PLAINTIFF'S EXHIBIT
DOW-2356

ITEM	SIZE	DESCRIPTION
N-60		FLAT FACE FLANGES SHALL BE USED WHEN BOLTING TO FLAT FACE CI FLANGES ON VALVES AND EQUIPMENT.
BRANCH CONNECTIONS		
BC-2S		FOR THREADED PIPING, USE STRAIGHT SIZE OR REDUCING TEE. WHEN BRANCH IS SMALLER THAN HEADER, A NIPPLE AND REDUCING COUPLING OR SWAGED NIPPLE MAY BE USED.
BC-16W		FOR WELDED PIPING, BRANCH LINES SHALL BE WELDED IN WITHOUT REINFORCEMENT REGARDLESS OF SIZE COMBINATION. FOR THREADED BRANCH CONNECTION, USE 3000-LB FULL COUPLING, THREDOLET, OR NIPOLET WELDED TO HEADER.
GASKETS		
G-9		STD FLAT RING GASKET, 1/16 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JOHNS-MANVILLE JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
G-9A		STD FLAT RING GASKET, 1/8 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JOHNS-MANVILLE JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
G-9B		FULL FACE GASKET, 1/8 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JOHNS-MANVILLE JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
N-206		USE 1/8 INCH GASKET WHERE POSSIBLE.
JOINT COMPOUND		
JC-15		TEFLON TAPE (1/2" X 3 MIL), 3M BRAND #48, JOHN CRANE THRED TAPE, FELPRO THREAD SEALING TAPE
JC-21		FELPRO C5-A, JOHN CRANE THRED-GARD COPPER, NEVER SEEZ REGULAR GRADE, JET LUBE SS30.
FLANGE BOLTS		
B-A307BG		ASTM A-307 GR B HEAVY HEX OR SQUARE HEAD GALV MACHINE BOLTS WITH HEAVY HEX GALV NUTS.

ITEM	SIZE	DESCRIPTION
N-231		APPLY BOLT LUBRICANT TO THE FULL LENGTH OF THREADS.
BOLT LUBRICANT		
BL-2		FEL PRO C5-A, JOHN CRANE THRED-GARD COPPER, NEVER SEEZ REGULAR, JET LUBE SS-30.
VALVES		
V-713	1/2 THRU 2	200-LB SCREWED BRONZE BALL VALVE, BUNA-N SEATS AND SEALS, 1" AND UNDER SHALL HAVE ROUND OR OVAL HANDLE, 1 1/4" AND OVER LEVER OPERATOR.
V-40	1/2 THRU 2	150-LB SCREWED, INSIDE SCREW, RISING STEM GATE VALVE, ALL BRONZE, UNION BONNET, SPLIT WEDGE DISC.
V-1	2 THRU 24	125-LB FLANGED OS/Y GATE VALVE, IBBM.
V-7	2 THRU 24	125-LB UNDERWRITERS TYPE FLANGED GATE VALVE WITH POST INDICATOR FLANGE AND 2 INCH SQUARE NUT FOR OPERATION, IBBM, NON-RISING STEM.
V-7A	2 THRU 24	125-LB FLANGED NON-RISING STEM IBBM GATE VALVE WITH 2 INCH SQUARE OPER NUT.
V-740	3 THRU 6	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, DUCTILE IRON BODY, STAINLESS STEEL STEM, ALUM. BRONZE DISC BUNA-N SEAT, W/ THROTTLING LEVER HANDLE.
V-740G	8 THRU 12	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, DUCTILE IRON BODY, STAINLESS STEEL STEM, ALUM. BRONZE DISC BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-945	6 THRU 24	125-LB UNDERWRITERS APPROVED WAFER TYPE BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR, WEATHERPROOF GEAR OPERATOR, FAIL SAFE

ITEM	SIZE	DESCRIPTION
		SPRING.
V-945F	6 THRU 24	125-LB UNDERWRITERS APPROVED FLANGED BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR, WEATHERPROOF GEAR OPERATOR, FAIL SAFE SPRING.
V-944	8 THRU 24	125-LB FLANGED BUTTERFLY VALVE, IRON BODY AND DISC, STAINLESS STEEL STEM, NEPRENE OR BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-42	1/2 THRU 2	150-LB SCREWED RISING STEM GLOBE VALVE, BRONZE BODY, COMPOSITION DISC, UNION OR BOLTED BONNET.
V-3	2 THRU 12	125-LB FLANGED OS/Y GLOBE VALVE, IBBM.
V-4	1/2 THRU 2	125-LB SCREWED HORIZONTAL SWING CHECK VALVE, ALL BRONZE, SCREWED CAP.
V-5	2 THRU 24	125-LB FLANGED HORIZONTAL SWING CHECK VALVE, IBBM, BOLTED CAP .
V-794	2 THRU 24	125-LB WAFER CHECK VALVE, CAST IRON BODY, ALUMINUM BRONZE DISC, BUNA-N SEAL, STAINLESS STEEL SPRING.
V-596	1/2 THRU 2	125-LB SCREWED ECCENTRIC PLUG VALVE, GRAY IRON, RUBBER-FACED PLUG, W/ LEVER OPERATOR.
V-670	1/2 THRU 2	300-LB SCREWED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, W/ WRENCH OPERATOR.
V-597	2 THRU 6	125-LB FLANGED ECCENTRIC PLUG VALVE, GRAY IRON, RUBBER-FACED PLUG, W/ LEVER OPERATOR.

ITEM	SIZE	DESCRIPTION
V-671	2 THRU 4	150-LB FLANGED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, W/ WRENCH OPERATOR.

[redacted]

ITEM	SIZE	DESCRIPTION
ELTR-15B	1 THRU 24	STD WEIGHT SEAMLESS STEEL WELDING FITTINGS, ASTM A-234 GR WPB, ANSI B16.9.
PC-51B	1 THRU 24	STD WEIGHT SEAMLESS STEEL WELDING CAP, ASTM A-234 GR WPB, ANSI B16.9.
E-18A	3 THRU 24	90 DEG TWO WELD MITER ELBOW, RADIUS TO BE 1 1/2 NOM PIPE DIA.
L-18B	3 THRU 24	45 DEG SINGLE WELD MITER ELBOW.
N-66A		REDUCING FLANGES SHALL BE SLIP-ON TYPE.
N-66C		REDUCING FLANGES SHALL BE THREADED TYPE.
FLANGES		
F-19-RF	1/2 THRU 2	150-LB RAISED FACE THREADED FLANGE, ASTM A-105, ANSI B16.5.
F-2	2 THRU 4	150-LB LAP JOINT FLANGE, ASTM A-105, ANSI B16.5.
F-1-RF	3 THRU 24	150-LB RAISED FACE SLIP-ON FLANGE, ASTM A-105, ANSI B16.5.
F-24-RF	3 THRU 24	150-LB RAISED FACE WELDING NECK FLANGE, ASTM A-105, ANSI B16.5, BORE TO MATCH WELDING FITTINGS.
F-3-RF	1/2 THRU 24	150-LB RAISED FACE BLIND FLANGE, ASTM A-105, ANSI B16.5.
N-60		FLAT FACE FLANGES SHALL BE USED WHEN BOLTING TO FLAT FACE CI FLANGES ON VALVES AND EQUIPMENT.
BRANCH CONNECTIONS		
BC-2S		FOR THREADED PIPING, USE STRAIGHT SIZE OR REDUCING TEE. WHEN BRANCH IS SMALLER THAN HEADER, A NIPPLE AND REDUCING COUPLING OR SWAGED NIPPLE MAY BE USED.
BC-16W		FOR WELDED PIPING, BRANCH LINES SHALL BE WELDED IN WITHOUT REINFORCEMENT REGARDLESS OF SIZE COMBINATION. FOR THREADED BRANCH CONNECTION, USE 3000-LB FULL COUPLING, THREDOLET, OR NIPOLET WELDED TO HEADER.

ITEM	SIZE	DESCRIPTION
GASKETS		
G-9		STD FLAT RING GASKET, 1/16 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
G-9A		STD FLAT RING GASKET, 1/8 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JM-60, GARLOCK 7021 OR NICOLET 225 OR 245
G-9B		FULL FACE GASKET, 1/8 INCH THICK ASBESTOS WITH SILICONE RELEASING AGENT, JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
N-206		USE 1/8 INCH GASKET WHERE POSSIBLE.
JOINT COMPOUND		
JC-15		TEFLON TAPE 1/2 INCH BY 3 MIL THICKNESS.
JC-21		FEL PRO C5-A.
JC-23		JET-LUBE SS-30 COPPER ANTI-SEIZE COMPOUND
FLANGE BOLTS		
B-A307BG		ASTM A-307 GR B HEAVY HEX OR SQUARE HEAD GALV MACHINE BOLTS WITH HEAVY HEX GALV NUTS.
N-231		APPLY BOLT LUBRICANT TO THE FULL LENGTH OF THREADS.
BOLT LUBRICANT		
BL-2		FEL PRO C5-A.
BL-5		JET-LUBE SS-30 COPPER ANTI-SEIZE COMPOUND
VALVES		
V-713	1/2 THRU 2	200-LB SCREWED BRONZE BALL VALVE, BUNA-N SEATS AND SEALS, 1" AND UNDER SHALL HAVE ROUND OR OVAL HANDLE, 1 1/4" AND OVER LEVER OPERATOR.
V-40	1/2 THRU 2	150-LB SCREWED, INSIDE SCREW, RISING STEM GATE VALVE, ALL BRONZE, UNION BONNET, SPLIT WEDGE DISC.

ITEM	SIZE	DESCRIPTION
V-1	2 THRU 24	125-LB FLANGED OS/Y GATE VALVE, IBBM.
V-7	2 THRU 24	125-LB UNDERWRITERS TYPE FLANGED GATE VALVE WITH POST INDICATOR FLANGE AND 2 INCH SQUARE NUT FOR OPERATION, IBBM, NON-RISING STEM.
V-7A	2 THRU 24	125-LB FLANGED NON-RISING STEM IBBM GATE VALVE WITH 2 INCH SQUARE OPER NUT.
V-740	3 THRU 6	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, DUCTILE IRON BODY, STAINLESS STEEL STEM, ALUM. BRONZE DISC BUNA-N SEAT, THROTTLING LEVER HANDLE.
V-587L	6 THRU 12	175-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, 416 STAINLESS STEEL STEM, IRON DISC WITH WELDED NICKEL SEAT EDGE, BUNA-N SEAT, THROTTLING LEVER HANDLE.
V-740G	8 THRU 12	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, DUCTILE IRON BODY, STAINLESS STEEL STEM, ALUM. BRONZE DISC BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-587LG	8 THRU 18	175-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, 416 STAINLESS STEEL STEM, IRON DISC WITH WELDED NICKEL SEAT EDGE, BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-945	6 THRU 24	125-LB UNDERWRITERS APPROVED WAFER TYPE BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR, WEATHERPROOF GEAR OPERATOR, FAIL SAFE SPRING.
V-945F	6 THRU 24	125-LB UNDERWRITERS APPROVED FLANGED BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR,

ITEM	SIZE	DESCRIPTION
		WEATHERPROOF GEAR OPERATOR, FAIL SAFE SPRING.
V-944	8 THRU 24	125-LB FLANGED BUTTERFLY VALVE, IRON BODY AND DISC, STAINLESS STEEL STEM, NEPRENE OR BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-42	1/2 THRU 2	150-LB SCREWED RISING STEM GLOBE VALVE, BRONZE BODY, COMPOSITION DISC, UNION OR BOLTED BONNET.
V-3	2 THRU 12	125-LB FLANGED OS/Y GLOBE VALVE, IBBM.
V-4	1/2 THRU 2	125-LB SCREWED HORIZONTAL SWING CHECK VALVE, ALL BRONZE, SCREWED CAP
V-5	2 THRU 24	125-LB FLANGED HORIZONTAL SWING CHECK VALVE, IBBM, BOLTED CAP .
V-794	2 THRU 24	125-LB WAFER CHECK VALVE, CAST IRON BODY, ALUMINUM BRONZE DISC, BUNA-N SEAL, STAINLESS STEEL SPRING.
V-596	1/2 THRU 2	125-LB SCREWED ECCENTRIC PLUG VALVE, SEMISTEEL, RUBBER-FACED PLUG, LEVER OPERATED.
V-670	1/2 THRU 2	300-LB SCREWED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, WRENCH OPERATED.
V-597	2 THRU 6	125-LB FLANGED ECCENTRIC PLUG VALVE, SEMISTEEL, RUBBER-FACED PLUG, LEVER OPERATED.
V-671	2 THRU 4	150-LB FLANGED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, WRENCH OPERATED.

DOW CHEMICAL U.S.A.

TEXAS DIVISION
FREEPORT, TEXAS 77541

DATE: 6-26-81

TO: B. H. Howard

BLDG. B-2401

Attached is a copy of Engineering Specification, 46-952

which is in form for issuing.

If this specification meets your approval, please sign below and return.

In order to meet our projected issue deadline this copy MUST be returned by July 1, 1981, to Lana Hendershott at B-2401.

APPROVED: B H H DATE: 6-29-81

APPROVED AS MARKED: _____ DATE: _____

Lana

Lana Hendershott
Engineering Specifications
B-2401
Phone: 1641

JES

ST0404493

ITEM	SIZE	DESCRIPTION
		KILLED, FLANGING AND BENDING QUALITY. J&L FLAREWELD SPEC JL-PP, REPUBLIC SPEC ST-202, OHIO ERW OR B&W FLARE BEND.
P-33W	5	ASTM A-53 OR API-5L GR B, STD WEIGHT SEAMLESS OR ELEC WELD STEEL PIPE.
P-43	8 THRU 18	ASTM A-53 OR API-5L GR B, 0.250 WALL SEAMLESS OR ELEC WELD STEEL PIPE.
P-23	20 THRU 24	ASTM A-53 OR API-5L GR B, 0.312 WALL SEAMLESS OR ELEC WELD STEEL PIPE.
FITTINGS		
ELTX-2G	1/2 THRU 2	150-LB THREADED GALV MALLEABLE IRON FITTINGS, ASTM A-197, ANSI B16.3.
R-22	1/2 THRU 2	EX STRONG STEEL SWAGED NIPPLE, ASTM A-106 OR A-53 GR B, OR ASTM A-696 GR B OR C BARSTOCK, THREADED, BEVELED, PLAIN, OR ANY COMBINATION OF ENDS.
C-3	1/2 THRU 2	3000-LB THREADED FORGED STEEL COUPLING, ANSI B16.11, OR 3000-LB THREDOLET, ASTM A-105, FOR WELDING IN.
C-54	1/2 THRU 2	3000-LB THREADED FORGED STEEL NIPOLET, ASTM A-105, DIMENSIONS PER BONNEY FORGE CATALOG W-8, PG. 29.
C-25G	1/2 THRU 2	150-LB THREADED GALV MALLEABLE IRON LINE COUPLING, ASTM A-197, ANSI B16.3.
PC-23G	1/2 THRU 2	150-LB THREADED GALV MALLEABLE IRON CAP, ASTM A-197, ANSI B16.3.
PC-2G	1/2 THRU 2	THREADED SOLID GALV STEEL HEX HEAD PLUG, ASTM A-105, ANSI B16.11.
J-83	1/2 THRU 2	150-LB THREADED GALV MALLEABLE IRON UNION, ASTM A-197, BRASS SEAT.
NOTE	2 THRU 4	PIPE BENDS MINIMUM 5 NOMINAL DIAMETER RADIUS, MAY BE USED FOR P-68.
ELTR-15B	1 THRU 24	STD WEIGHT SEAMLESS STEEL WELDING FITTINGS, ASTM A-234 GR WPB, ANSI B16.9.
PC-51B	1 THRU 24	STD WEIGHT SEAMLESS STEEL WELDING CAP, ASTM

ITEM	SIZE	DESCRIPTION
		A-234 GR WPB, ANSI B16.9.
E-13A	3 THRU 24	90 DEG TWO WELD MITER ELBOW, RADIUS TO BE 1 1/2 NOM PIPE DIA.
L-13B	3 THRU 24	45 DEG SINGLE WELD MITER ELBOW.
N-66A		REDUCING FLANGES SHALL BE SLIP-ON TYPE.
N-66C		REDUCING FLANGES SHALL BE THREADED TYPE.
FLANGES		
F-19-RF	1/2 THRU 2	150-LB RAISED FACE THREADED FLANGE, ASTM A-105, ANSI B16.5.
F-2	2 THRU 4	150-LB LAP JOINT FLANGE, ASTM A-105, ANSI B16.5.
F-1-RF	3 THRU 24	150-LB RAISED FACE SLIP-ON FLANGE, ASTM A-105, ANSI B16.5.
F-24-RF	3 THRU 24	150-LB RAISED FACE WELDING NECK FLANGE, ASTM A-105, ANSI B16.5, BORE TO MATCH WELDING FITTINGS.
F-3-RF	1/2 THRU 24	150-LB RAISED FACE BLIND FLANGE, ASTM A-105, ANSI B16.5.
N-60		FLAT FACE FLANGES SHALL BE USED WHEN BOLTING TO FLAT FACE CI FLANGES ON VALVES AND EQUIPMENT.
BRANCH CONNECTIONS		
BC-2S		FOR THREADED PIPING, USE STRAIGHT SIZE OR REDUCING TEE. WHEN BRANCH IS SMALLER THAN HEADER, A NIPPLE AND REDUCING COUPLING OR SWAGED NIPPLE MAY BE USED.
BC-16W		FOR WELDED PIPING, BRANCH LINES SHALL BE WELDED IN WITHOUT REINFORCEMENT REGARDLESS OF SIZE COMBINATION. FOR THREADED BRANCH CONNECTION, USE 3000-LB FULL COUPLING, THREDOLET, OR NIPOLET WELDED TO HEADER.
GASKETS		
G-9		STD FLAT RING GASKET, 1/16 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT,

ITEM	SIZE	DESCRIPTION
		JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
G-9A		STD FLAT RING GASKET, 1/8 INCH THICK ASBESTOS WITH SILICON RELEASING AGENT, JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
G-93		FULL FACE GASKET, 1/8 INCH THICK ASBESTOS WITH SILICONE RELEASING AGENT, JM-60, GARLOCK 7021 OR NICOLET 225 OR 245.
N-206		USE 1/8 INCH GASKET WHERE POSSIBLE.
JOINT COMPOUND		
JC-15		TEFLON TAPE 1/2 INCH BY 3 MIL THICKNESS.
JC-21		FEL PRO C5-A.
JC-23		JET-LUBE SS-30 COPPER ANTI-SEIZE COMPOUND.
FLANGE BOLTS		
B-A307GR		ASTM A-307 GR B HEAVY HEX OR SQUARE HEAD GALV MACHINE BOLTS WITH HEAVY HEX GALV NUTS.
N-231		APPLY BOLT LUBRICANT TO THE FULL LENGTH OF THREADS.
BOLT LUBRICANT		
BL-2		FEL PRO C5-A.
BL-5		JET-LUBE SS-30 COPPER ANTI-SEIZE COMPOUND.
VALVES		
V-713	1/2 THRU 2	200-LB SCREWED BRONZE BALL VALVE, BUNA-N SEATS AND SEALS, 1" AND UNDER SHALL HAVE ROUND OR OVAL HANDLE, 1 1/4" AND OVER LEVER OPERATOR.
V-40	1/2 THRU 2	150-LB SCREWED, INSIDE SCREW, RISING STEM GATE VALVE, ALL BRONZE, UNION BONNET, SPLIT WEDGE DISC.
V-1	2 THRU 24	125-LB FLANGED OS/Y GATE VALVE, IBBM.

ITEM	SIZE	DESCRIPTION
V-7	2 THRU 24	125-LB UNDERWRITERS TYPE FLANGED GATE VALVE WITH POST INDICATOR FLANGE AND 2 INCH SQUARE NUT FOR OPERATION, IBBM, NON-RISING STEM.
V-74	2 THRU 24	125-LB FLANGED NON-RISING STEM IBBM GATE VALVE WITH 2 INCH SQUARE OPER NUT.
V-740	3 THRU 5	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, STAINLESS STEEL STEM ALUM. BRONZE DISC, BUNA-N SEAT, THROTTLING LEVER HANDLE.
V-537L	5 THRU 12	175-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, 416 STAINLESS STEEL STEM, IRON DISC WITH WELDED NICKEL SEAT EDGE, BUNA-N SEAT, THROTTLING LEVER HANDLE.
V-740G	3 THRU 12	150-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, STAINLESS STEEL STEM, ALUM. BRONZE DISC, BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-537LG	8 THRU 18	175-LB TAPPED LUG TYPE BUTTERFLY VALVE, IRON BODY, 416 STAINLESS STEEL STEM, IRON DISC WITH WELDED NICKEL SEAT EDGE, BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-945	6 THRU 24	125-LB UNDERWRITERS APPROVED WAFER TYPE BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR, WEATHERPROOF GEAR OPERATOR, FAIL SAFE SPRING.
V-945F	6 THRU 24	125-LB UNDERWRITERS APPROVED FLANGED BUTTERFLY VALVE, CAST IRON BODY, NI-RESIST DISC, 304 STAINLESS STEEL STEM, BUNA-N SEAT BONDED TO BODY, POST WITH INDICATOR, WEATHERPROOF GEAR OPERATOR, FAIL SAFE SPRING.
V-944	8 THRU 24	125-LB FLANGED BUTTERFLY VALVE, IRON BODY AND DISC, STAINLESS STEEL STEM, NEPRENE OR

ITEM	SIZE	DESCRIPTION
		BUNA-N SEAT, WEATHERPROOF GEAR OPERATOR.
V-42	1/2 THRU 2	150-LB SCREWED RISING STEM GLOBE VALVE, BRONZE BODY, COMPOSITION DISC, UNION OR BOLTED BONNET.
V-3	2 THRU 12	125-LB FLANGED OS/Y GLOBE VALVE, IBBM.
V-4	1/2 THRU 2	125-LB SCREWED HORIZONTAL SWING CHECK VALVE, ALL BRONZE, SCREWED CAP.
V-5	2 THRU 24	125-LB FLANGED HORIZONTAL SWING CHECK VALVE, IBBM, BOLTED CAP.
V-794	2 THRU 24	125-LB WAFER CHECK VALVE, CAST IRON BODY, ALUMINUM BRONZE DISC, BUNA-N SEAL, STAINLESS STEEL SPRING.
V-596	1/2 THRU 2	125-LB SCREWED ECCENTRIC PLUG VALVE, SEMISTEEL, RUBBER-FACED PLUG, LEVER OPERATED.
V-670	1/2 THRU 2	300-LB SCREWED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, WRENCH OPERATED.
V-597	2 THRU 6	125-LB FLANGED ECCENTRIC PLUG VALVE, SEMISTEEL, RUBBER-FACED PLUG, LEVER OPERATED.
V-671	2 THRU 4	150-LB FLANGED PLUG VALVE, DUCTILE IRON BODY AND PLUG, TEFLON SLEEVE, WRENCH OPERATED.

DOW CHEMICAL U.S.A.

TEXAS DIVISION
FREEPORT, TEXAS 77541

DATE: 11-29-79

TO: Benny Howell

BLDG. B-2401

Attached is a copy of Engineering Specification, 46-952 which is in form for issuing.

If this specification meets your approval, please sign below and return.

In order to meet our projected issue deadline this copy MUST be returned by 12-10-79, to Reva Young - B-2401.

APPROVED: B. H. H DATE: 11-30-79

APPROVED AS MARKED: _____ DATE: _____

Reva

Reva Young
Engineering Specifications
B-2401
Tel. 1641

LIFE IS FRAGILE
HANDLE WITH CARE

ST0404500