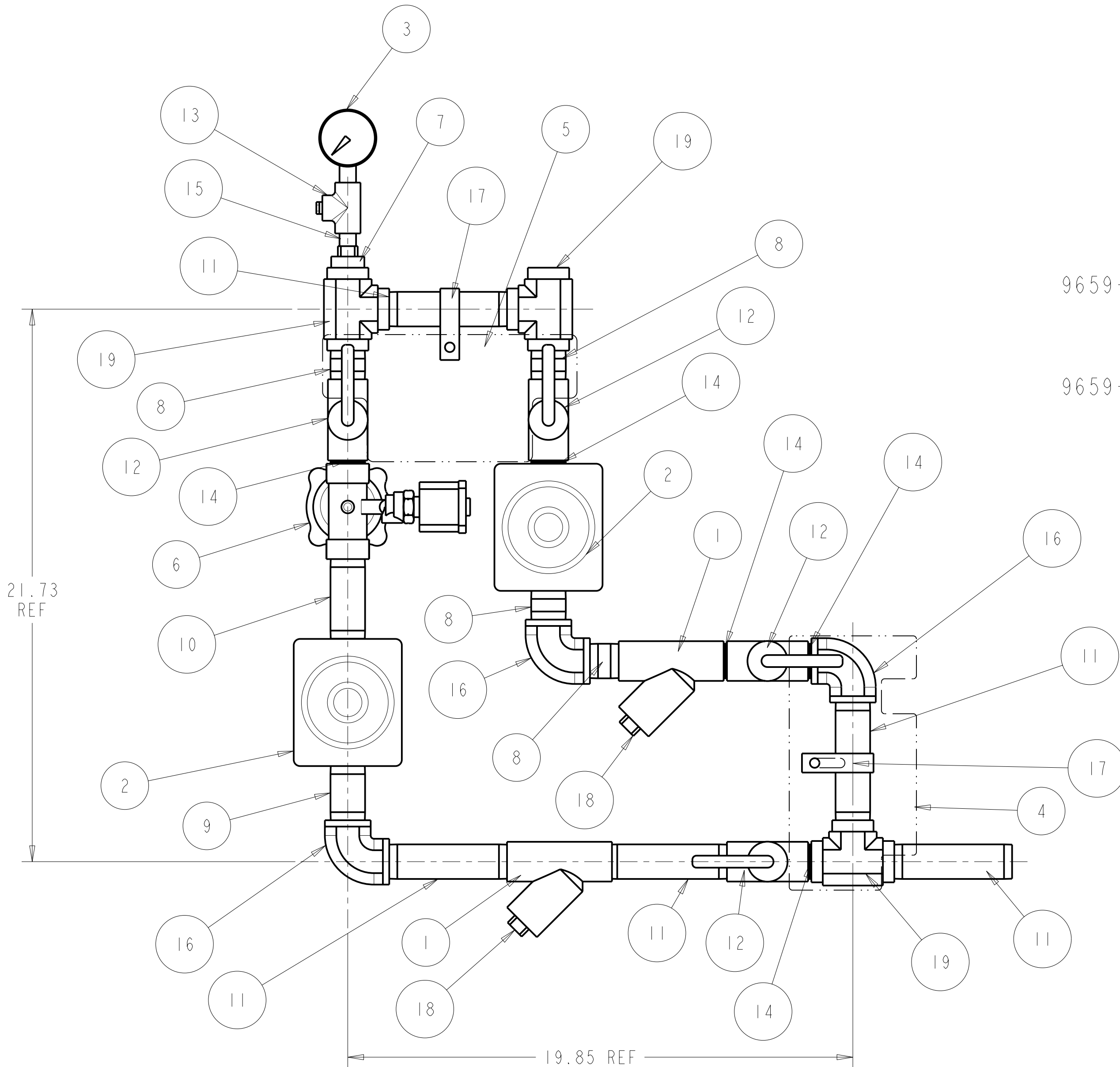


VALVES SHOWN OPEN - NOT IN OPERATING POSITION
FOLLOW HANDLE ORIENTATION

BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	PART NUMBER
1	2	STRAINER, WITH PLUG, 1" NPT	L_77SMI
2	2	REGULATOR, 1" NPT, 400 PSI MAX, 25 TO 75 PSI OUT	L_N45DBU
3	1	GUAGE, PRESSURE, 1/4" NPT, 0-100 PSI RANGE	8892
4	1	TAG, COOLANT LOOP LABEL, VERTICAL MTG	10965
5	1	NAME PLATE, COOLING LOOP VALVE LABEL, NORMAL/CLOSED , EMERGENCY OPEN	10966
6	1	VALVE, SOLENOID, 1" NPT, 12VDC, 150 PSI MAX	8210G4-12VDC
7	1	REDUCER BUSHING, BLK, 1" NPT x 1/4" NPT	BBGB
8	4	NIPPLE, BLK, 1 X 2-1/2	BNGL
9	1	NIPPLE, BLK, 1 X 3-1/2"	BNGN
10	1	NIPPLE, BLK, 1 X 4-1/2"	BNGR
11	5	NIPPLE, BLK, 1 X 6"	BNGU
12	4	VALVE, BALL, 1" NPT	FA60203-1
13	1	VALVE, BALL, 1/4" NPT	FA60204-1
14	5	NIPPLE, BLK, 1 X CLOSE	LTL-CPN1
15	1	NIPPLE, BLK, 1/4 X CLOSE	LTL-CPN14
16	3	ELBOW, BLK, 1" NPT	LTL-E190
17	2	CLAMP, 1-1/2"	LTL-SCPV24627
18	2	PLUG, BLK, 1" NPT	LTL-SCSPI
19	3	TEE, BLK, 1"	LTL-STI



9659-01 FOR VERTICLE TURBINE PUMP:
REMOVE VALVE 8210G4 AND 4.5" LG NIPPLE
REPLACE WITH 9" LG NIPPLE BNGY9

9659-02 FOR 24vdc OPERATION:
REMOVE VALVE 8210G4-12vdc AND REPLACE
WITH #8210G4-24vdc

UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE

ANGULAR DIMENSIONS ± 1°	IMPERIAL UNITS	METRIC UNITS
THIRD ANGLE PROJECTION	MACHINE TOLERANCES FRA: ± 0.005 DEC: ± 0.005 F&M TOLERANCES FRA: ± 0.005 DEC: ± 0.005	MACHINE TOLERANCES FRA: ± 0.012 DEC: ± 0.012 F&M TOLERANCES FRA: ± 0.012 DEC: ± 0.012

DWG UNITS: IN/LB/S
 EST WEIGHT: 53.400
 SCALE: 0.300
 DO NOT SCALE
 SHEET 10F1
 DATE: 06JAN2005
 DATE: -
 DRAWING NO: 9659
 REV: D

Fire Power
 CUMMINS NPPOWER, LLC
 CORPORATE OFFICE
 1600 BUEKLE ROAD
 WHITE BEAR LAKE, MN
 WWW.NPOWER.CUMMINS.COM
 NPPOWER SYSTEMS
 DESIGN CENTER
 875 LAWRENCE DRIVE
 DEPERE, WISCONSIN

TITLE 1: COOLING LOOP, 1", UPPER HX ORIENTATION
 TITLE 2: FIREPUMP

REV	DESCRIPTION OF REVISION	REV BY	DATE
D	REV PER PART NUMBERS	DAVE N	20SEP06