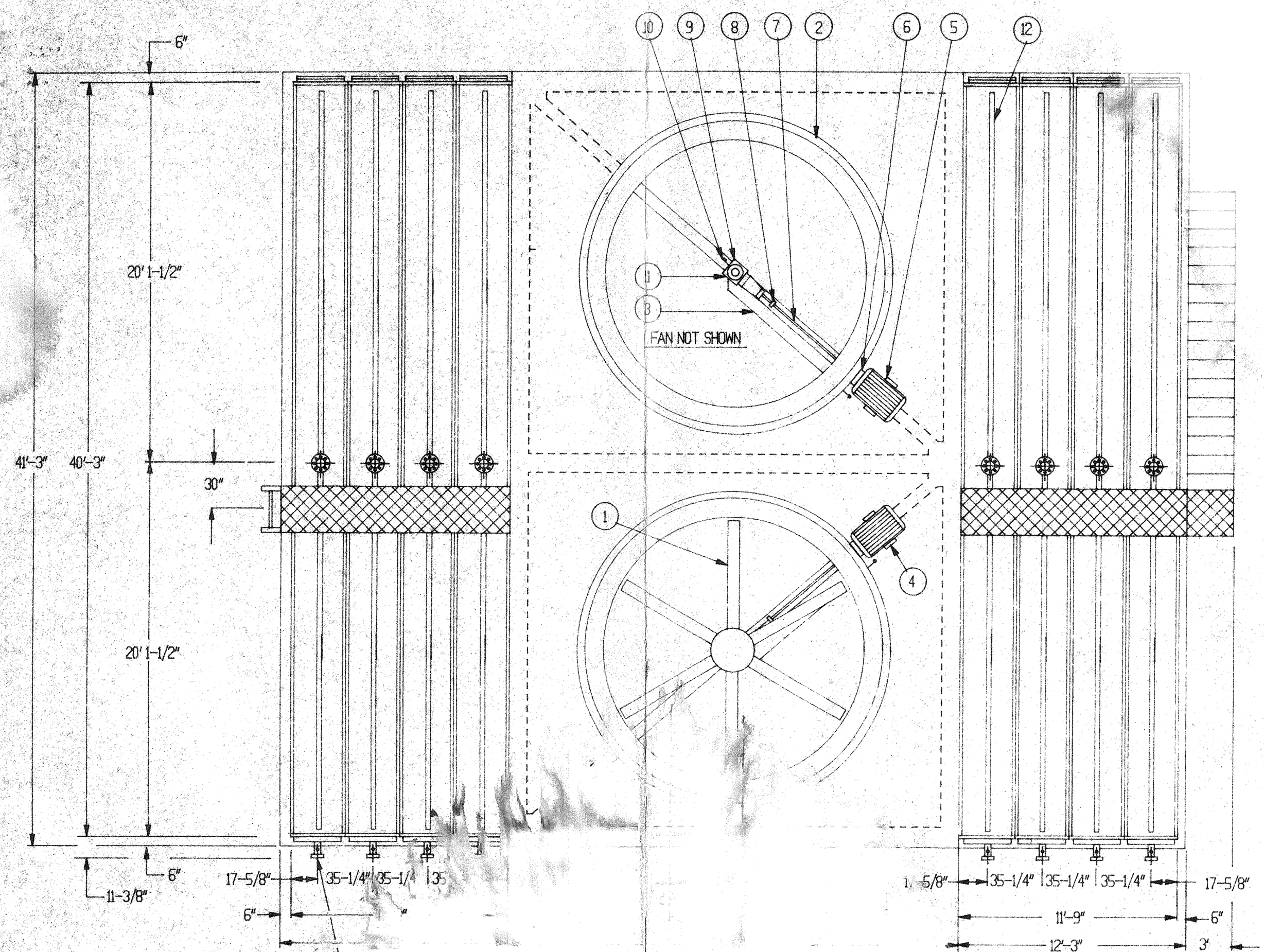
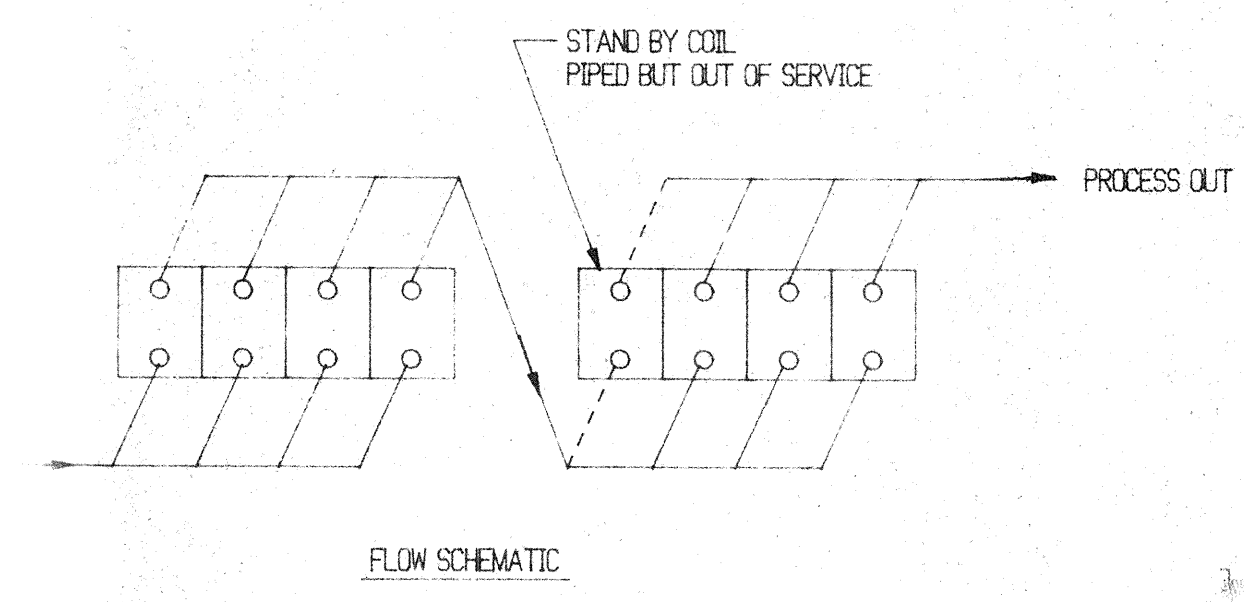


**BILL OF MATERIAL**

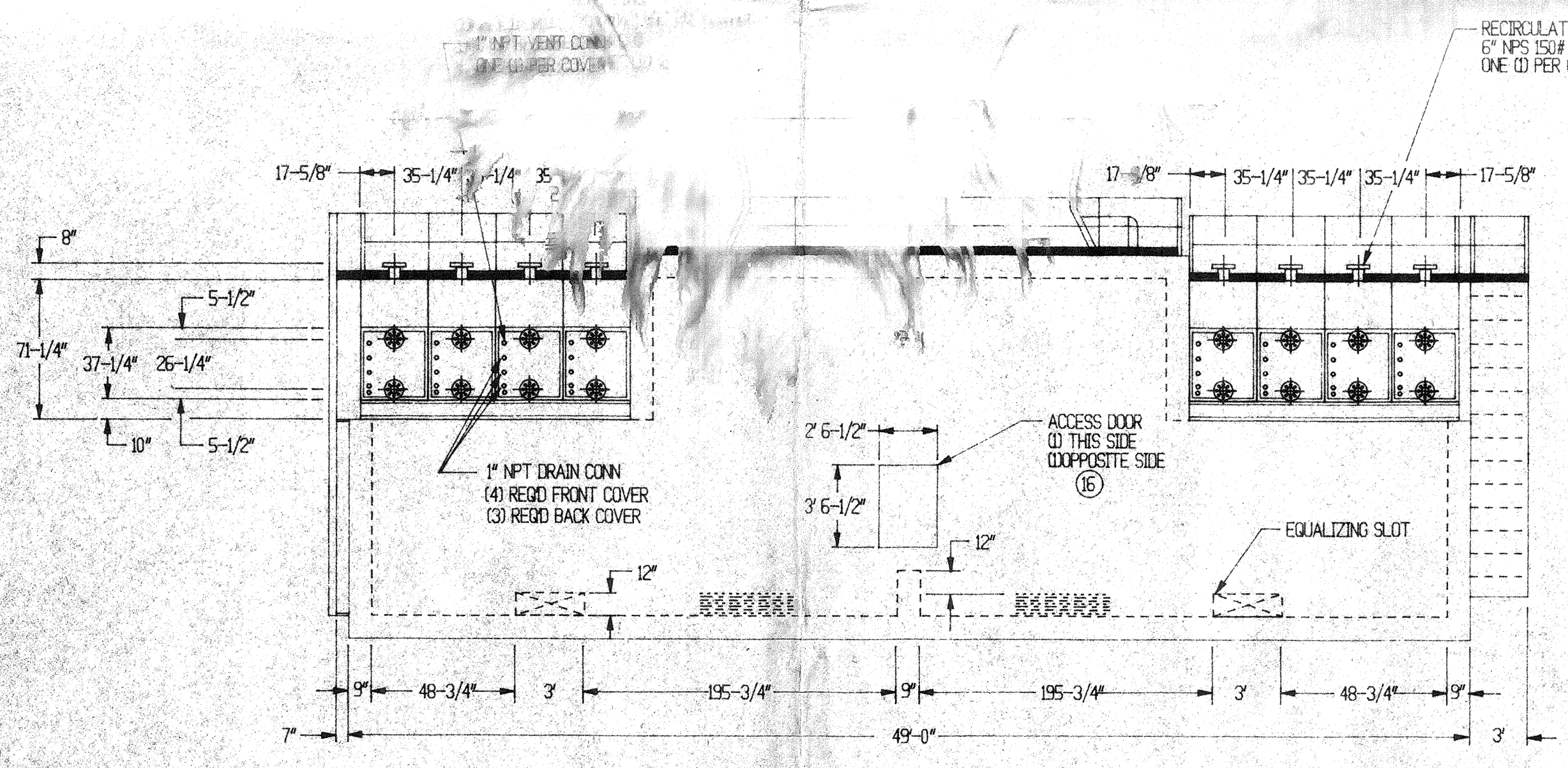
ITEM NO.	NO. REQUIRED PER UNIT		DESCRIPTION
1	2	PF-168-6	PROPELLER FAN - 14 FT. DIA., SIX (6) FAN BLADES, MANUAL ADJ. PITCH, GALV. STL. H.D.G.A.F.
2	2	EP-14 X 6	FAN STACK - 14 FT. DIA. (NOM.) FORM FILLED EP 6 FT. HIGH, TAPERED VENTURI & EXHAUST
3	2		EXTENDED LUBR. FILL/DRAIN & BREATHER LINE FOR ITEM #11 GAL'V. PIPE W/ GLASS LEVEL GAGE
4	2		FAN MOTOR - 60 HP, 1800/900 RPM, 480/3/400 VOLT, 3 PHASE, 365T FRAME, TEFC, CL F INSUL., CL.B TEMP. RISE, 1.15 S.F.
5	2		MOUNTING BASE - (FAN MOTOR) FAB & STEEL, H.D.G.A.F.
6	2		COUPLING GUARD - STEEL H.D.G.A.F.
7	2	FS-226-SN	DRIVE SHAFT - STN. STL. W/ZN PL. HUBS, FLEXIBLE NON-LUB, DYN. BALANCED
8	2		SHAFT GUARD - STEEL, H.D.G.A.F.
9	2		MOUNTING BASE-(GEAR REDUCER) FABR. STL. H.D.G.A.F.
10	2		VIBRATION SWITCH - IRD 5802 MONITOR, 2 CHANNEL, NEMA 4 CLOSURE (HEATED) WITH 941 PICK UPS (4) 110-130 VAC, 50-60 HZ
11	2	SR-135-6.5	RT. ANGLE GEAR REDUCER - SPIRAL BEVEL GEARS SINGLE REDUCTION, 6.5:1 RATIO, AGMA RATING: 2.0 S.F. 59 BHP, 1750 RPM W/LOW OIL LEVEL S.W. SPDT 120 VAC
12	8		RECIRC. SPRAY ARRGT. SCH 40 PVC PIPE & FIG'S ABS NOZZLES
13	8		TUBE BUNDLE - 3540 STRAIGHT-THRU CLEANABLE CONSTRUCTION W/REMOVABLE COVER PLATE 1.25" OD X .049 WALL, SA-249, .049 S.S. TUBES C. STL. HDR. H.D.G.A.F., C. STL. COVERS - 2N RICH FINISH, NON ASBESTOS GASKET - ALL ASME CERTIFIED MATERIAL
	8		CASING ASSY-12 GA. BOLTED STL. PANEL H.D.G.A.F. WITH 316 S.S. HARDWARE
	2		ADAPTOR BASE-STRUCTURAL ASSEMBLY, H.D.G.A.F.
	2		ACCESS DOOR 2'-6" X 3'-6" S.S. WITH CARBON STEEL FRAME (H.D.G.A.F.)
	1 LOT		ACCESS LADDER, (1) FAN DECK HANDRAILS, (1) ACCESS LADDER, (1) STAIRWAY AND (2) STAIRWAYS



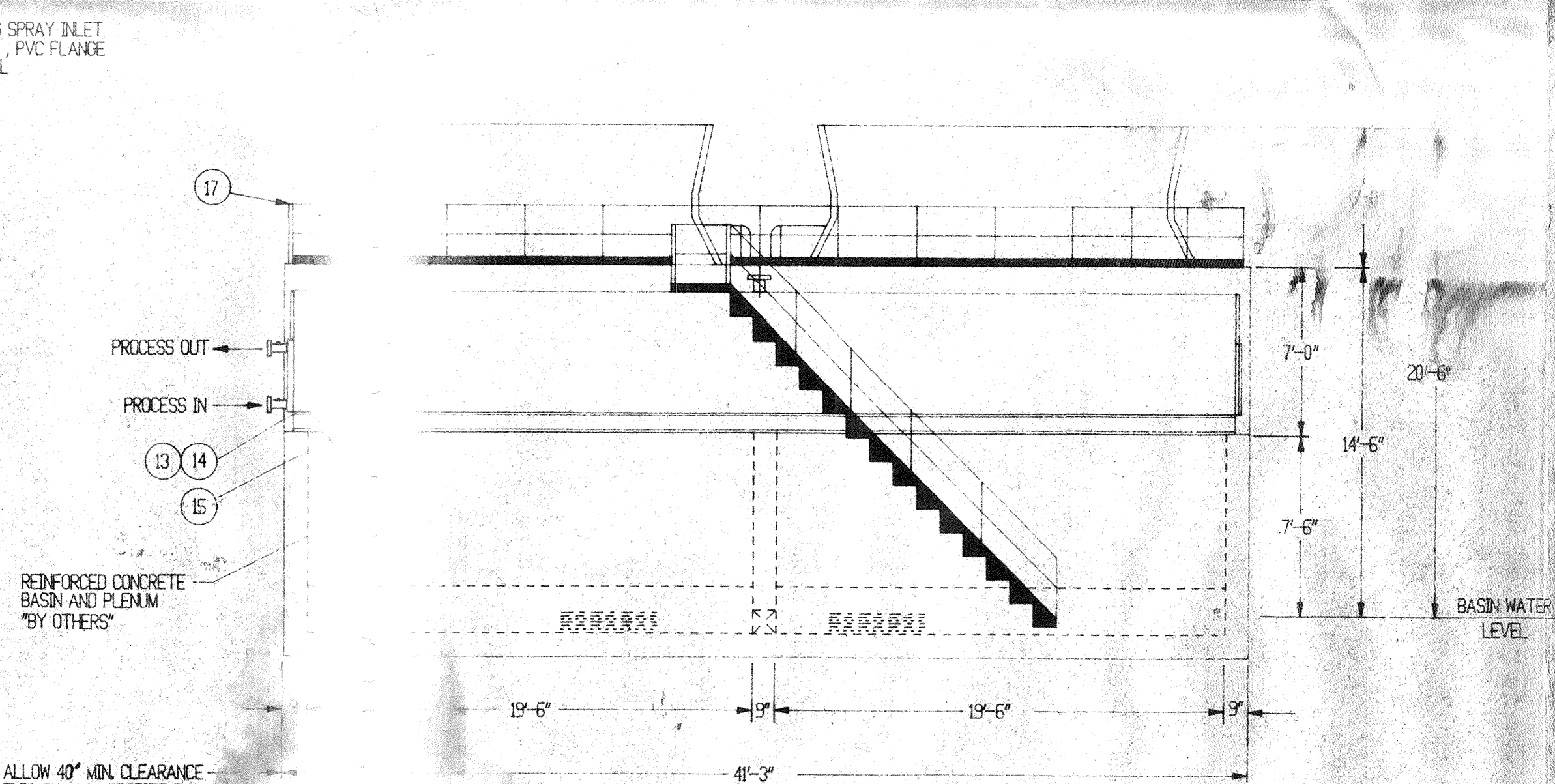
PLAN VIEW



FLOW SCHEMATIC



FRONT ELEVATION



SIDE ELEVATION

**APPROVAL DRAWING ONLY**  
BY \_\_\_\_\_ DATE \_\_\_\_\_

REV.	LOC.	MADE BY	CHK. BY	DATE	REVISION OR ADDITION

DESIGN DATA	TECHNICAL DATA
DUTY: SECOND WATER COOLING	FAN: EACH FAN TO HANDLE 320,000 CFM @ 48.6 BHP
PROCESS TEMP: 121 DEGREES F	SPRAY: 504 GPM PER SPRAY INLET @ 4 PSIG REQ'D @ SPRAY INLET
PROCESS TEMP: 82.4 DEGREES F	30' HEAD APPROX. SPRAY PUMPS ARE BY OTHERS
FLOW: 844 GPM	COIL: 125 PSIG DESIGN, 188 PSIG TEST PRESSURE
DESIGN WET BULB: 76 DEGREES F	250 DEGREES F DESIGN TEMPERATURE
TOTAL HEAT: 16,300,000 BTU/HR	1.2 PSIG PRESSURE DROP (SEVEN COILS IN SERVICE)
FOULING FACTOR: INSIDE .004	LIFTING WEIGHT WITH BEAM - 13,900 LBS/COIL

APPROVAL SIGNATURES	DATE	CUST. P.O. NO.
DRAWN BY: JFH	8-17-90	21-795-45-90
CHECKED BY: B.R.W.	8/21/90	SERIAL NO.: 1588
ENGINEER:		SHOP ORDER NO.: 9486
RELEASED BY:		DIMENSIONS IN: MILLIMETRES
APPLICABLE SPECIFICATIONS:		INCHES
		TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS .XX ± .015, .XXX ± .010
		ANGLES: ± 1/4", FRACTIONS: ± 1/16"
		SCALE:

**RESORCON Inc.**  
A Niagara Blower Company  
PITTSBURGH, PA  
BUFFALO, NY

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TITLE: RWC 83540 - 2F14 WET SURFACE AIR COOLER

CUSTOMER: ACME STEEL COMPANY

DWG. NO. R14-1794  
SHEET 1 OF 1

SEE SHEET 1 REV. RECORD FOR LATEST DRAWING REV.