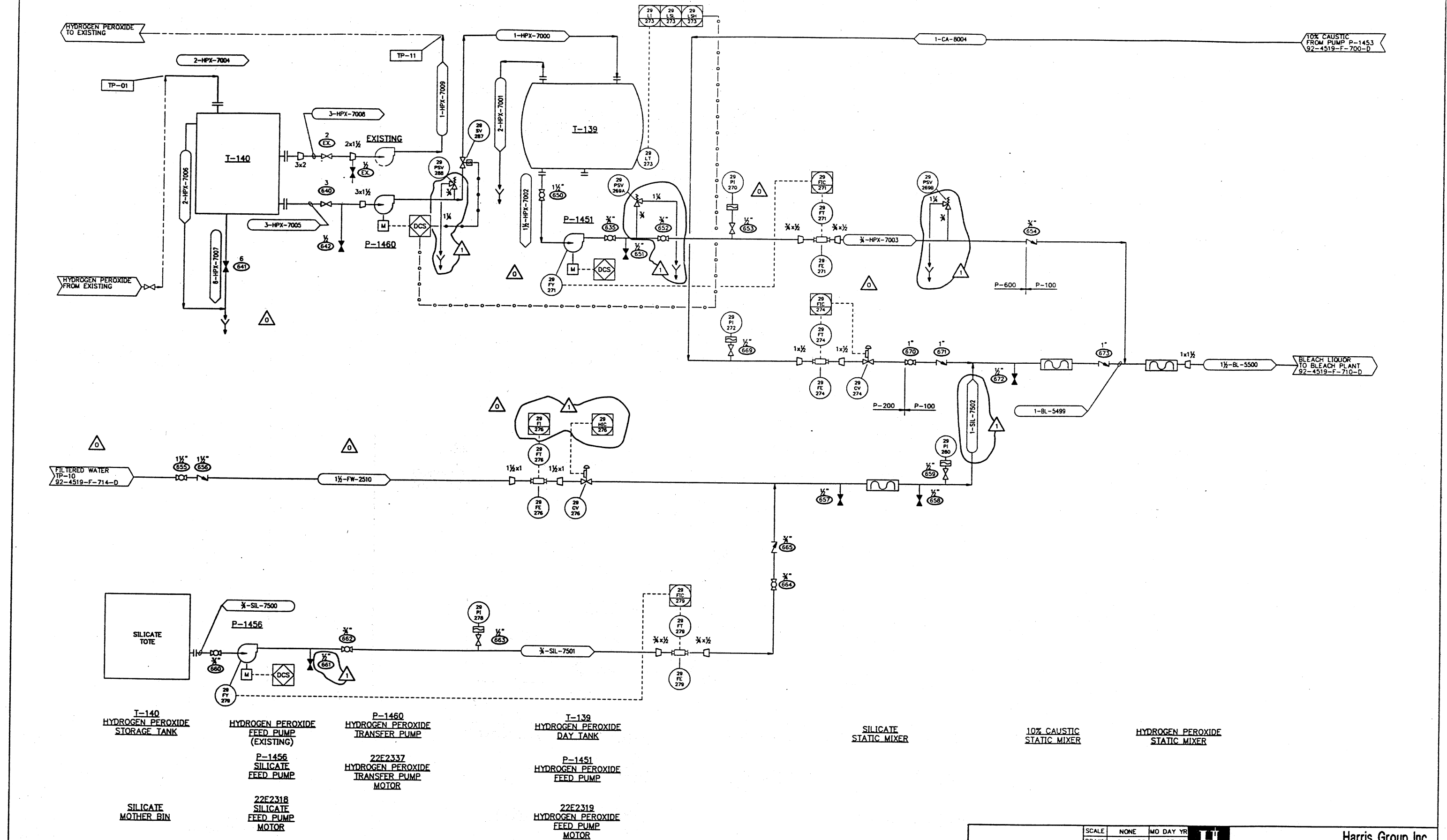
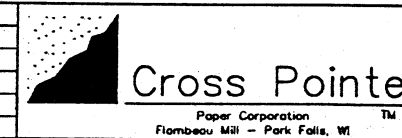




DRAWING NO.	TITLE	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION



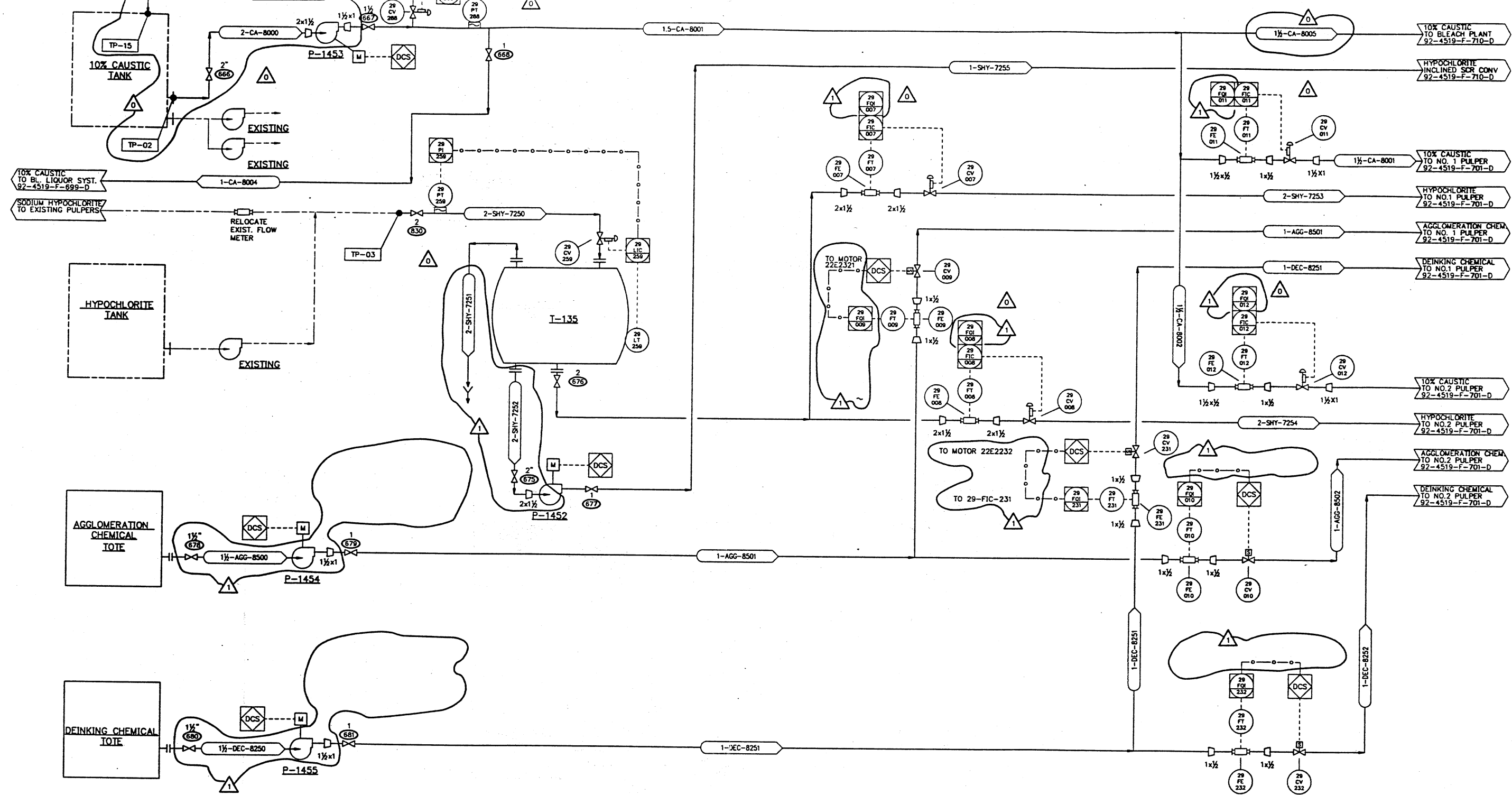
SCALE	NONE	MO DAY YR	JUL 23 92
DRAWN	MJS / ADS	DATE	OCT 29 92
CHK'D	WPH	DATE	OCT 29 92
APP'D	SJF	DATE	OCT 29 92
APP'D	JWM	DATE	OCT 30 92
APPROVED	GEORGE BERKEN	DATE	OCT 29 92
PROJECT	92-4519	DRAWING NUMBER	92-4519-F-699-D

Harris Group Inc.
APPLETON, WISCONSIN

FLAMBEAU MILL
PARK FALLS, WI

DEINK FIBER FACILITY
PROCESS & INSTRUMENTATION DIAGRAM
BLEACH LIQUOR SYSTEM

REV A



- 10% CAUSTIC TANK (EXISTING)
- SODIUM HYPOCHLORITE TANK (EXISTING)
- AGGLOMERATION CHEMICAL MOTHER BIN
- DEINKING CHEMICAL MOTHER BIN
- P-1453 10% CAUSTIC FEED PUMP
- SODIUM HYPOCHLORITE FEED PUMP (EXISTING)
- P-1454 AGGLOMERATION CHEMICAL FEED PUMP
- P-1455 DEINKING CHEMICAL FEED PUMP
- 22E2320 10% CAUSTIC FEED PUMP MOTOR
- 22E2321 AGGLOMERATION CHEMICAL FEED PUMP MOTOR
- 22E2322 DEINKING CHEMICAL FEED PUMP MOTOR
- T-135 HYPOCHLORITE DAY TANK
- P-1452 HYPOCHLORITE FEED PUMP
- 22E2323 HYPOCHLORITE FEED PUMP MOTOR

DRAWING NO.	TITLE	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION



SCALE	NONE	MO DAY YR
DRAWN	MJS / ADS	JUL 20 92
CHK'D	WPH	OCT 29 92
APP'D	SJF	OCT 29 92
APP'D	JWM	OCT 30 92
APPROVED	GEORGE BERKEN	
DATE	OCT 29 92	
PROJECT	92-4519	

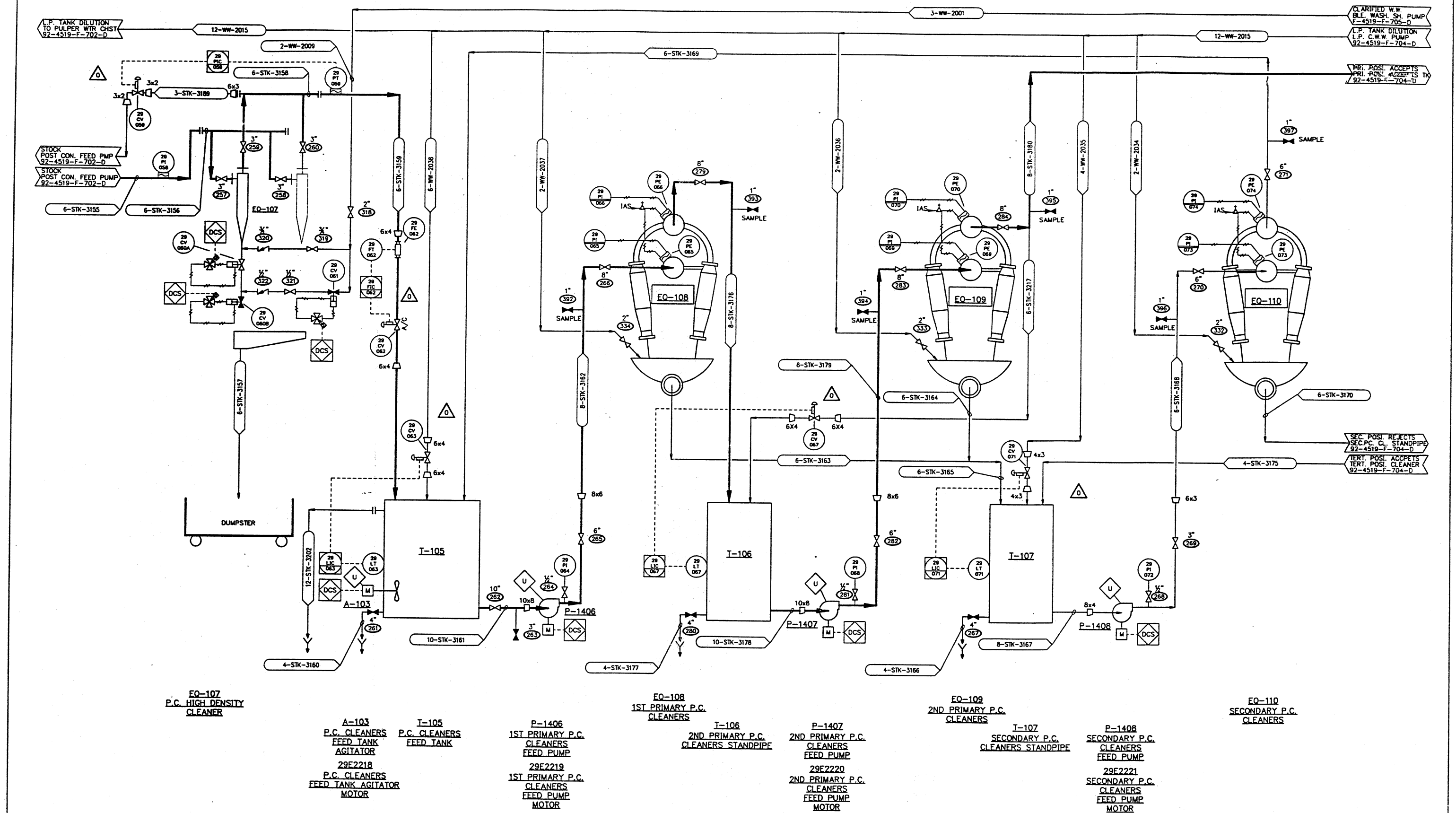
Harris Group Inc.	
APPLETON, WISCONSIN	
FLAMBEAU MILL	
PARK FALLS, WI	
DEINK FIBER FACILITY	
PROCESS & INSTRUMENTATION DIAGRAM	
CHEMICAL SYSTEM	
DRAWING NUMBER	92-4519-F-700-D

REV A



Paper Corporation
Inbeau Mill - Park Falls, Wis.

REV [illegible]

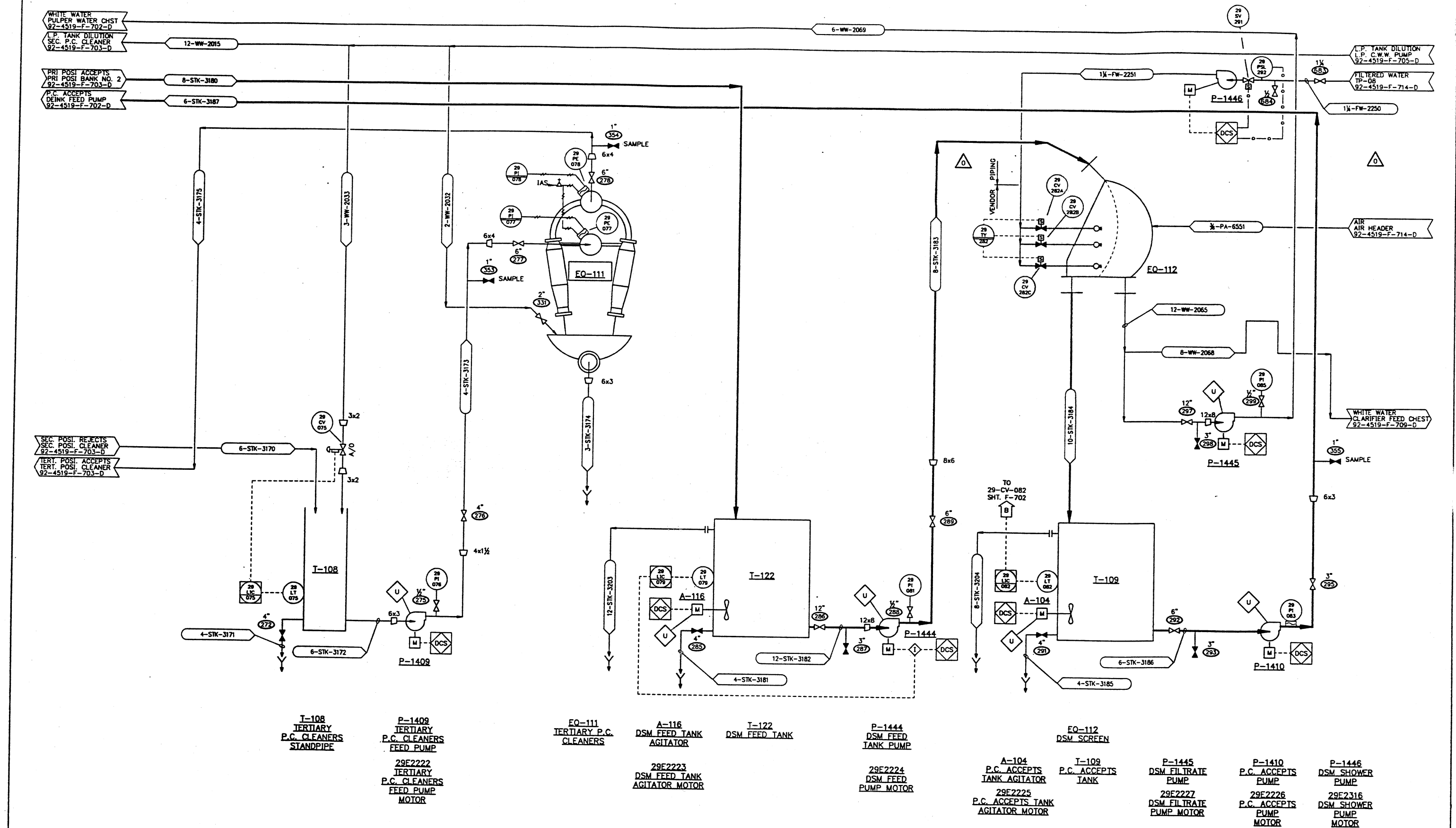


DRAWING NO.	TITLE	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION

Cross Pointe
Paper Corporation
Flambeau Mill - Park Falls, WI

SCALE	NONE	MO	DAY	YR	H	Harris Group Inc. APPLETON, WISCONSIN
DRAWN	RWP	MAR	16	92		
CHK'D	WPH	OCT	29	92		
APP'D	SJF	OCT	29	92		
APP'D	JWM	OCT	30	92	FLAMBEAU MILL PARK FALLS, WI DEINK FIBER FACILITY PROCESS & INSTRUMENTATION DIAGRAM POST CONSUMER CLEANERS	DRAWING NUMBER 92-4519-F-703-D
APPROVED	GEORGE BERKEN					
DATE	OCT	29	92			
PROJECT	92-4519					

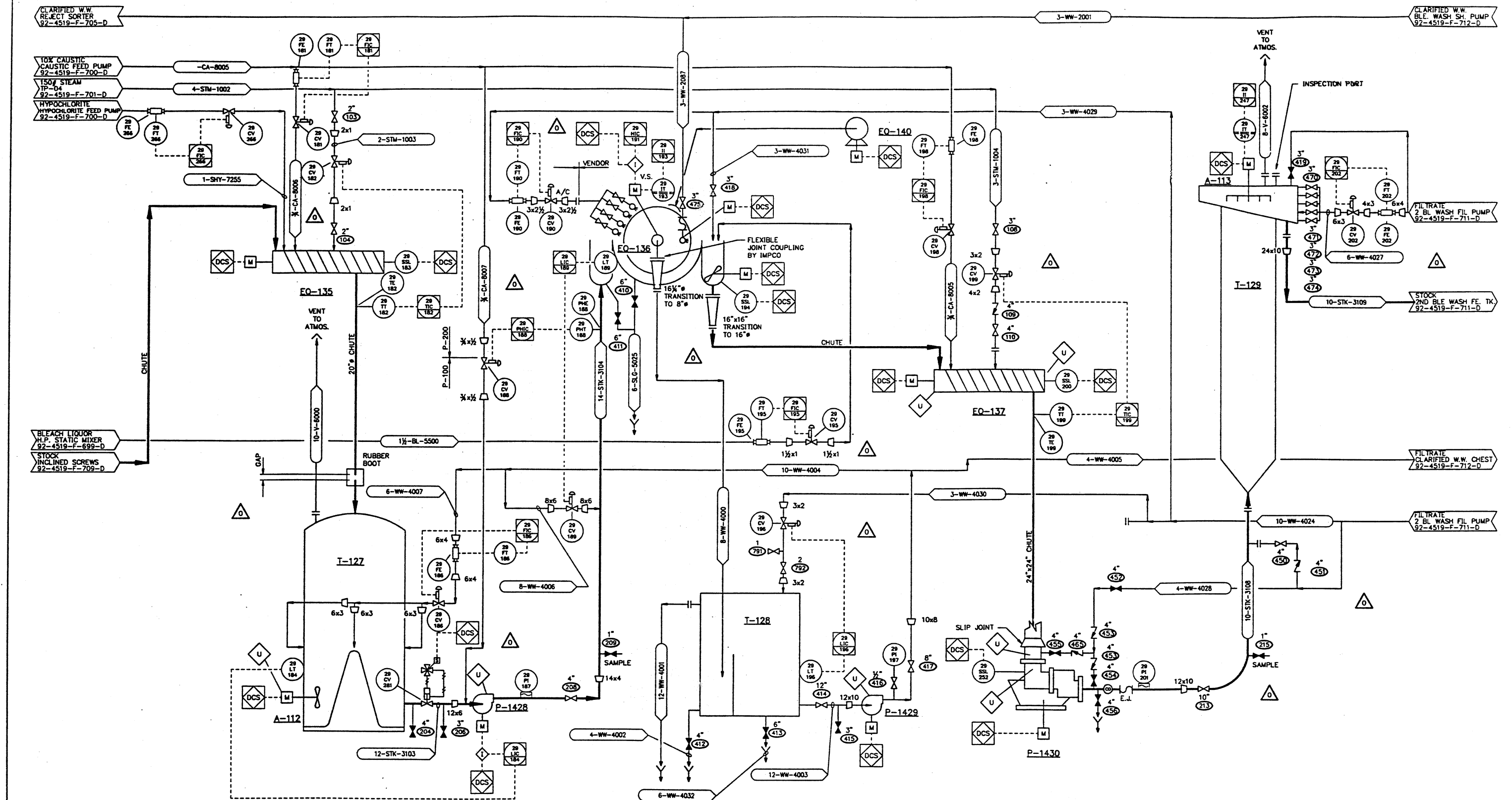
REV A



DRAWING NO.	TITLE	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION

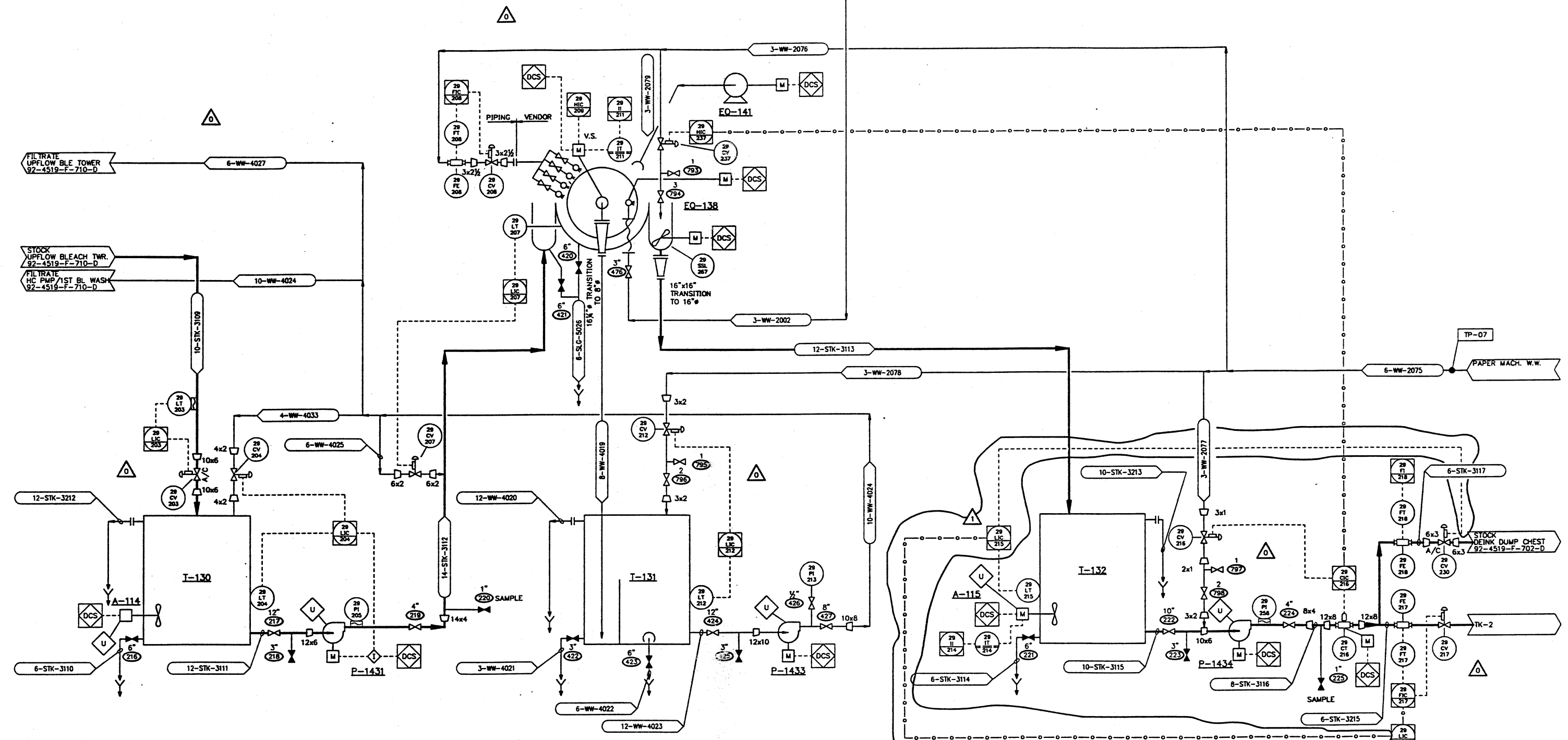
Cross Pointe
Paper Corporation
Flambeau Mill - Park Falls, WI

SCALE	NONE	MO DAY YR	H	Harris Group Inc. APPLETON, WISCONSIN
DRAWN	RWP	MAR 17 92		
CHK'D	WPH	OCT 29 92		
APP'D	S.F.	OCT 29 92		
APP'D	JWM	OCT 30 92		
APPROVED			FLAMBEAU MILL PARK FALLS, WI	
GEORGE BERKEN			DEINK FIBER FACILITY PROCESS & INSTRUMENTATION DIAGRAM POST CONSUMER CLEANERS & THICKENER	
DATE OCT 29 92			DRAWING NUMBER 92-4519-F-704-D	
PROJECT 92-4519			REV A	



EQ-135 INCLINED SCREW CONVEYOR		A-112 DOWNFLOW BLEACH TOWER AGITATOR		T-127 DOWNFLOW BLEACH TOWER		P-1428 1ST BLEACH WASH FEED PUMP		29E2268 1ST BLEACH WASH SHOWER OSCILLATOR MOTOR		EQ-136 1ST BLEACH WASH		T-128 1ST BLEACH WASH SEAL TANK		EQ-140 1ST BLEACH WASH AIR DOCTOR FAN		P-1429 1ST BLEACH WASH FILTRATE PUMP		EQ-137 STEAM MIXER		P-1430 HC PUMP		T-129 UPFLOW BLEACH TOWER		A-113 UPFLOW BLEACH TOWER SCRAPER	
29E2264 INCLINED SCREW CONVEYOR MOTOR		29E2265 DOWNFLOW BLEACH TOWER AGITATOR MOTOR				29E2266 1ST BLEACH WASH FEED PUMP MOTOR		29E2271 1ST BLEACH WASH REPULPER MOTOR		29E2267 1ST BLEACH WASH MOTOR				29E2272 1ST BLEACH WASH AIR DOCTOR FAN MOTOR		29E2270 1ST BLEACH WASH FILTRATE PUMP MOTOR		29E2273 STEAM MIXER MOTOR		29E2274 HC PUMP MOTOR		29E2275 UPFLOW BLEACH TOWER SCRAPER MOTOR			

DRAWING NO.	TITLE					REVISIONS					REVISIONS					 Cross Pointe Paper Corporation Flambeau Mill - Park Falls, WI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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A-114
2ND BLEACH WASH
FEED TANK
AGITATOR

29E2276
2ND BLEACH WASH
FEED TANK AGITATOR
MOTOR

T-130
2ND BLEACH WASH
FEED TANK

P-1431
2ND BLEACH WASH
FEED PUMP

29E2277
2ND BLEACH WASH
FEED PUMP
MOTOR

29E2279
2ND BLEACH WASH
SHOWER OSCILLATOR
MOTOR

EQ-138
2ND BLEACH WASH
TANK

29E2282
2ND BLEACH
WASH REFLUPPER
MOTOR

29E2278
2ND BLEACH WASH
MOTOR

EQ-141
2ND BLEACH WASH
AIR DOCTOR FAN

29E2283
2ND BLEACH WASH
AIR DOCTOR FAN
MOTOR

P-1433
2ND BLEACH
WASH FILTRATE
PUMP

29E2281
2ND BLEACH
WASH FILTRATE
PUMP MOTOR

A-115
DEINK ACCEPTS
TANK AGITATOR

29E2285
DEINK ACCEPTS
TANK AGITATOR
MOTOR

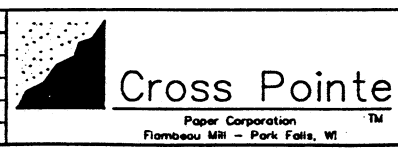
T-132
DEINK ACCEPTS
TANK

29E2286
DEINK ACCEPTS
TANK PUMP
MOTOR

29E2313
CONSISTENCY
TRANSMITTER
MOTOR
29-CT-216

29 LT 230
LOCATED ON EXIST.
TK-2

DRAWING NO.	TITLE	REV	DATE	BY	APP'D	DESCRIPTION	REV	DATE	BY	APP'D	DESCRIPTION



SCALE	NONE	MO	DAY	YR
DRAWN	RWP	APR	20	92
CHK'D	WPH	OCT	29	92
APP'D	SJF	OCT	29	92
APP'D	JWM	OCT	30	92

APPROVED
GEORGE BERKEN
DATE
OCT 29 92
PROJECT
92-4519

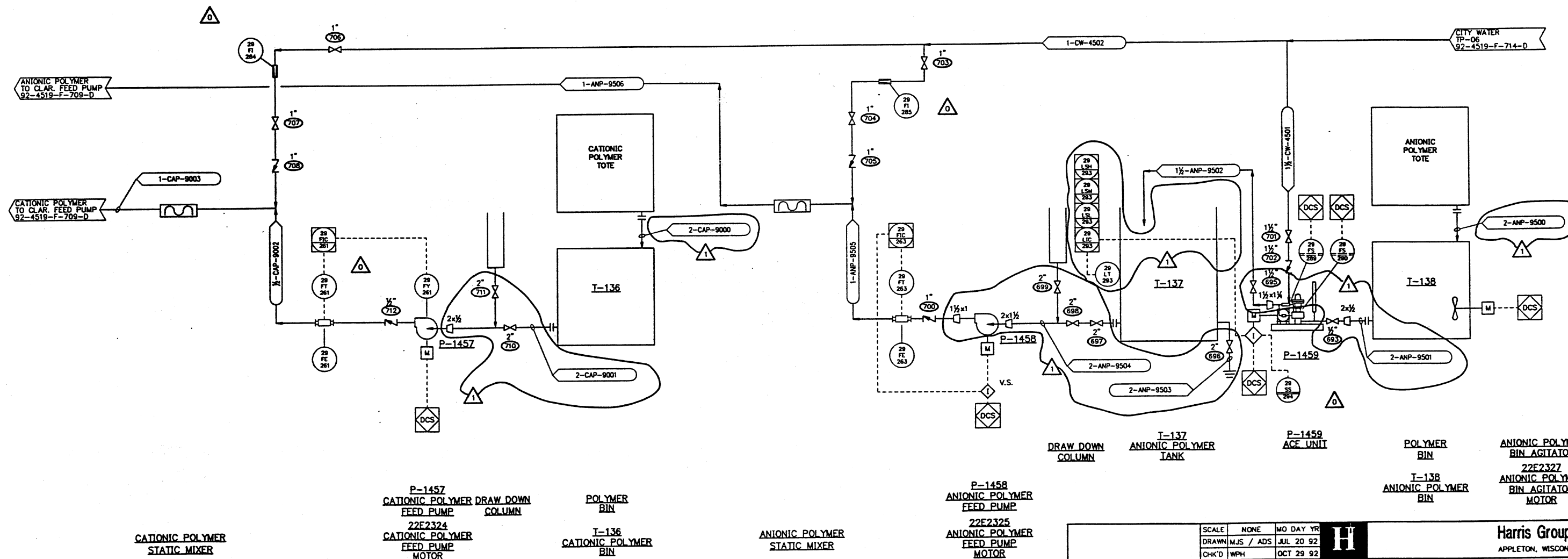
Harris Group Inc.
APPLETON, WISCONSIN

FLAMBEAU MILL
PARK FALLS, WI

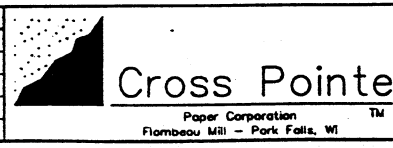
DEINK FIBER FACILITY
PROCESS & INSTRUMENTATION DIAGRAM
BLEACH WASHING

DRAWING NUMBER
92-4519-F-711-D

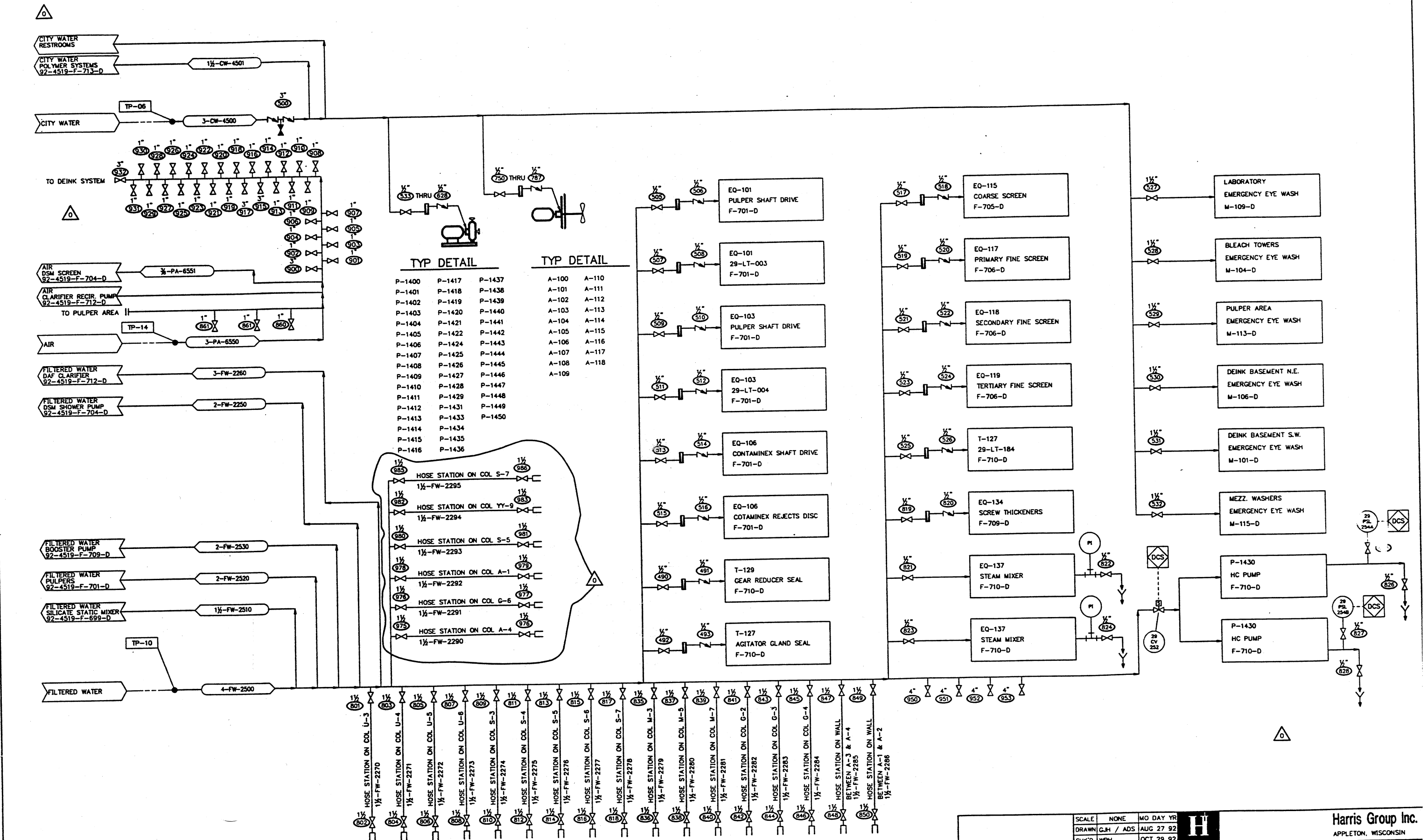
REV A



DRAWING NO.	TITLE	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION	REV	DATE	BY	APP'D	REVISIONS	DESCRIPTION



SCALE	NONE	MO DAY YR	H	Harris Group Inc APPLETON, WISCONSIN	
DRAWN	MJS / ADS	JUL 20 92			
CHK'D	WPH	OCT 29 92			
APP'D	SJF	OCT 29 92			
APP'D	JNM	OCT 30 92			
APPROVED			FLAMBEAU MILL PARK FALLS, WI DEINK FIBER FACILITY PROCESS & INSTRUMENTATION DIAGRAM POLYMER ADDITION		
GEORGE BERKEN					
DATE					
OCT 29 92					
PROJECT	92-4519		DRAWING NUMBER	92-4519-F-713-D	
					REV. 2



DRAWING NO.	TITLE	REV	DATE	BY	APP'D	DESCRIPTION
1	11-16-92	ADS				ISSUED FOR CONSTRUCTION
0	10-30-92	ADS				ADDED HOSE STATIONS ON OPER. FLOOR
0	10-30-92	ADS				ISSUED FOR CONSTRUCTION

Cross Pointe
 Paper Corporation
 Flambeau Mill - Park Falls, WI

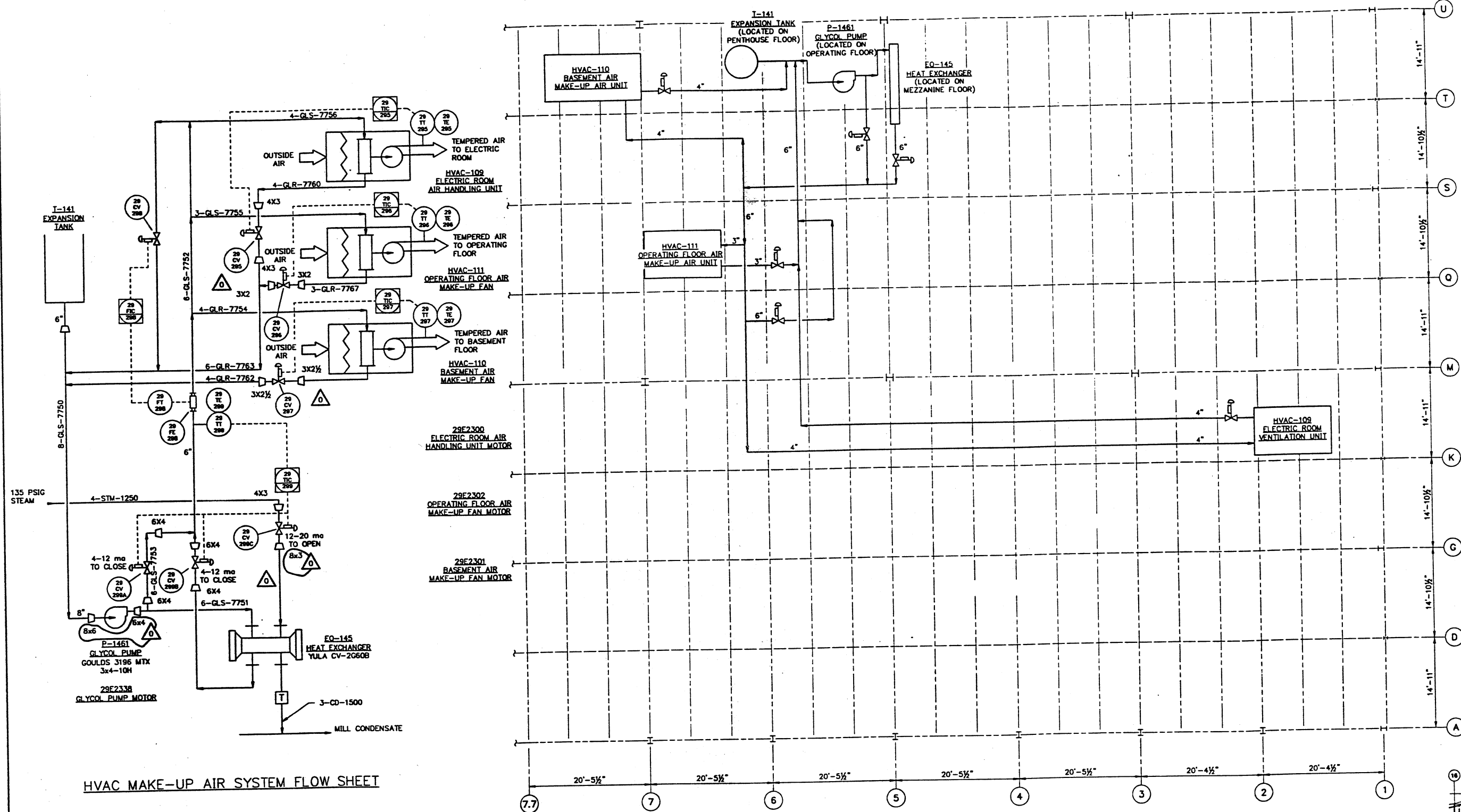
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DRAWN	GJM / ADS	DATE	OCT 29 92
CHK'D	WPH	DATE	OCT 29 92
APP'D	SJF	DATE	OCT 29 92
APP'D	JWM	DATE	OCT 30 92
APPROVED	GEORGE BERKEN	DATE	OCT 29 92
PROJECT	92-4519	DRAWING NUMBER	92-4519-F-714-D

Harris Group Inc.
 APPLETON, WISCONSIN

FLAMBEAU MILL
 PARK FALLS, WI

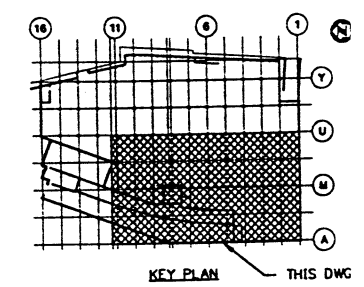
DEINK FIBER FACILITY
 PROCESS & INSTRUMENTATION DIAGRAM
 UTILITIES

REV:



HVAC MAKE-UP AIR SYSTEM FLOW SHEET

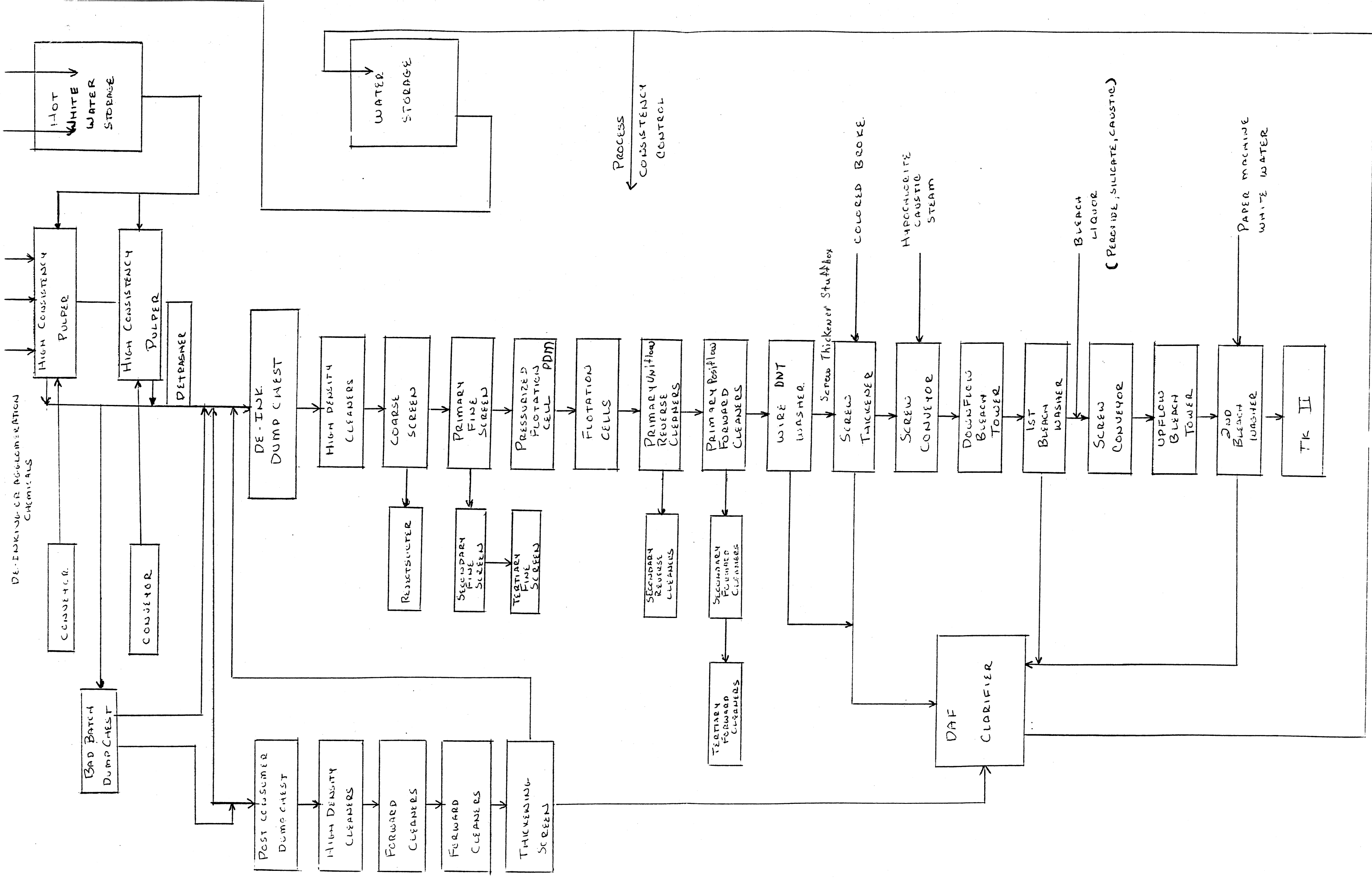
HVAC MAKE-UP AIR SYSTEM SCHEMATIC
SCALE: 1/8"=1'-0"

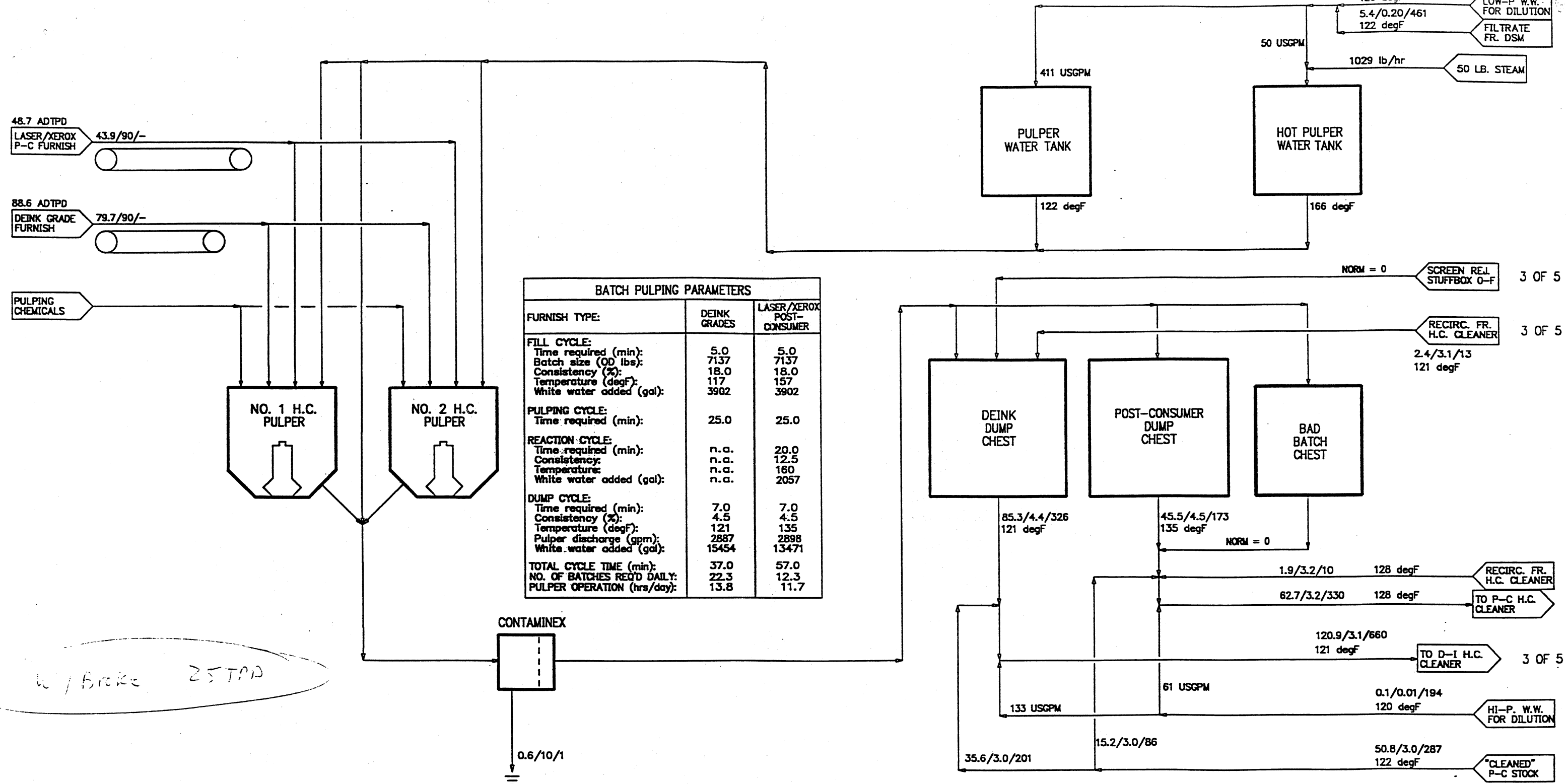


DRAWING NO.	TITLE	REVISIONS				REVISIONS			
		REV	DATE	BY	APP'D	DESCRIPTION	REV	DATE	DESCRIPTION
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		1	10-01-92	ADS		ISSUED FOR BID			
		4	11-16-92	ADS		ISSUED FOR CONSTRUCTION			
		3	10-30-92	ADS		ISSUED FOR CONSTRUCTION			

**Cross Pointe**
Paper Corporation
Flambeau Mill - Park Falls, WI

SCALE	1/8"=1'-0"	MO	DAY	YR	H	Harris Group Inc APPLETON, WISCONSIN
DRAWN	RWP	AUG	03	92		
CHK'D	WPH	OCT	29	92	FLAMBEAU MILL PARK FALLS, WI	
APP'D	SJF	OCT	29	92		
APP'D	JWM	OCT	30	92	DEINK FIBER FACILITY PROCESS & INSTRUMENTATION DIAGRAM HVAC SCHEMATIC LAYOUT	
APPROVED						
GEORGE BERKEN						
DATE OCT 29 92						
PROJECT 92-4519					DRAWING NUMBER 92-4519-F-715-D	REV





RESULTS FORMATS:

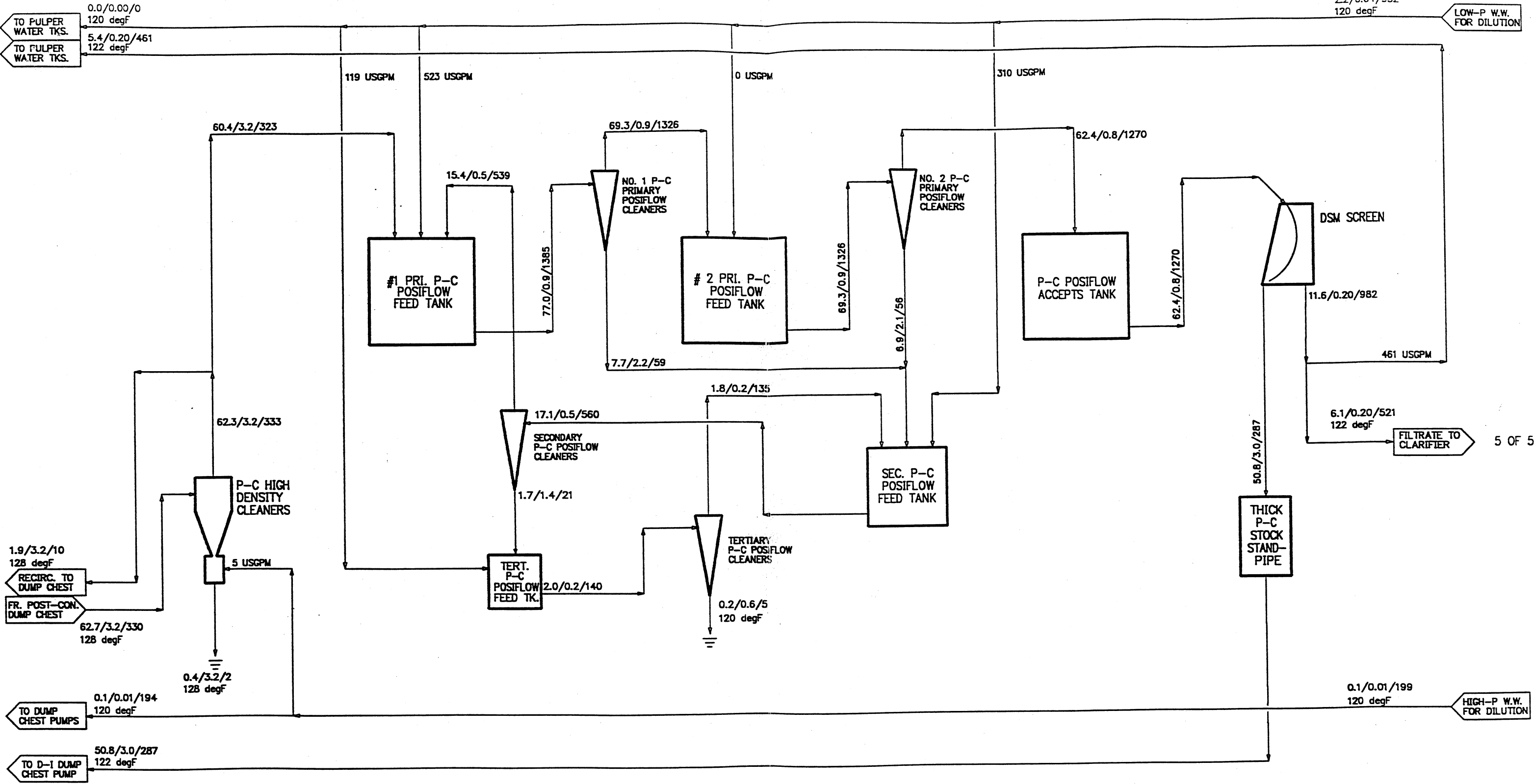
FLOW: O.D. TONS PER DAY / % CONSISTENCY / U.S. GALLONS PER MINUTE
TEMPERATURE: DEGREES FAHRENHEIT

PRODUCTION BASIS: 75 AIR-DRY TONS PER DAY TO FINAL STORAGE

80 PERCENT DEINK PROCESS AVAILABILITY
25 O.D. TONS PER DAY COLORED BROKE ADDITION

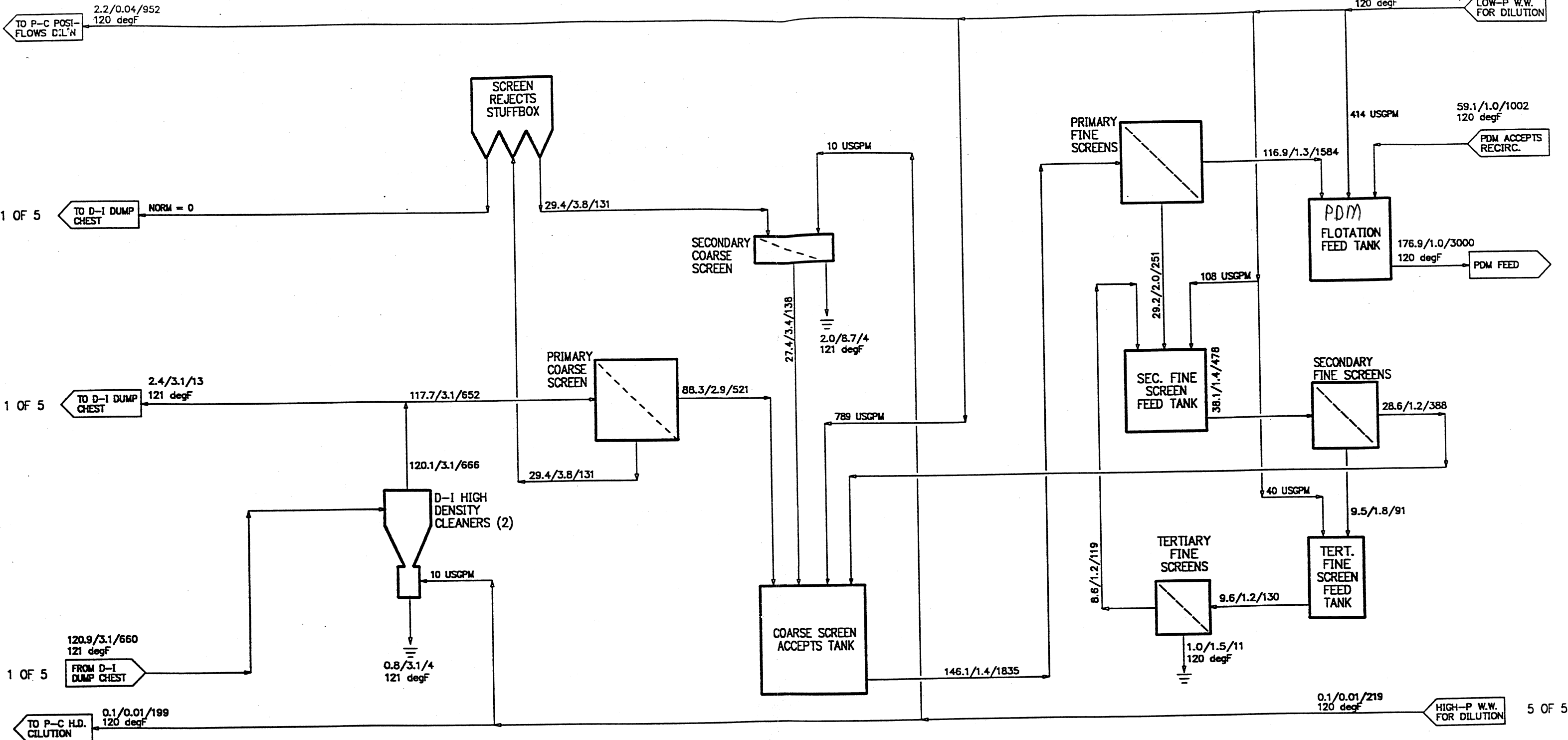
CADSIM FILES: 4519PC21.ext and 4519DI21.ext

REV	DATE	BY	APP'D	DESCRIPTION	SCALE	None	MO-DAY-YR	H Harris Group Inc. APPLETON, WISCONSIN	
.		.		.	DRAWN	BAM	05-12-92		
.		.		.	CHK'D			DEINK SYSTEM W/ COLORED BROKE SIMULATION FLOWSHEET 1 OF 5 BATCH PULPING & DUMP CHESTS	
.		.		.	APP'D				
.		.		.	APP'D				
.		.		.	APPROVED			CROSS POINTE PAPER CO. Park Falls, Wisconsin	
.		.		.	DATE				
2	06-10-92	<i>[Signature]</i>		General Revisions				DRAWING NUMBER 92-4519-F601-B REV <i>[Signature]</i>	
1	06-01-92	BAM		General Revisions	PROJECT	92-4519			



RESULTS FORMATS:
FLOW: O.D. TONS PER DAY / % CONSISTENCY / U.S. GALLONS PER MINUTE
TEMPERATURE: DEGREES FAHRENHEIT
PRODUCTION BASIS: 75 AIR-DRY TONS PER DAY TO FINAL STORAGE
80 PERCENT DEINK PROCESS AVAILABILITY
25 O.D. TONS PER DAY COLORED BROKE ADDITION
CADSIM FILES: 4519PC21.ext and 4519DI21.ext

REV	DATE	BY	APP'D	DESCRIPTION	SCALE	None	MO-DAY-YR	H	Harris Group Inc. APPLETON, WISCONSIN		
.		.		.	DRAWN	BAM	05-12-92		DEINK SYSTEM W/ COLORED BROKE SIMULATION FLOWSHEET 2 OF 5 POST-CONSUMER LINE - CLEANERS		
.		.		.	CHK'D						
.		.		.	APP'D						
.		.		.	APP'D						
.		.		.	APPROVED			CROSS POINTE PAPER CO. Park Falls, Wisconsin			
.		.		.	DATE						
2	06-10-92	BAM		General Revisions	PROJECT 92-4519			DRAWING NUMBER	92-4519-F601-B	REV	2
1	06-01-92	BAM		General Revisions							

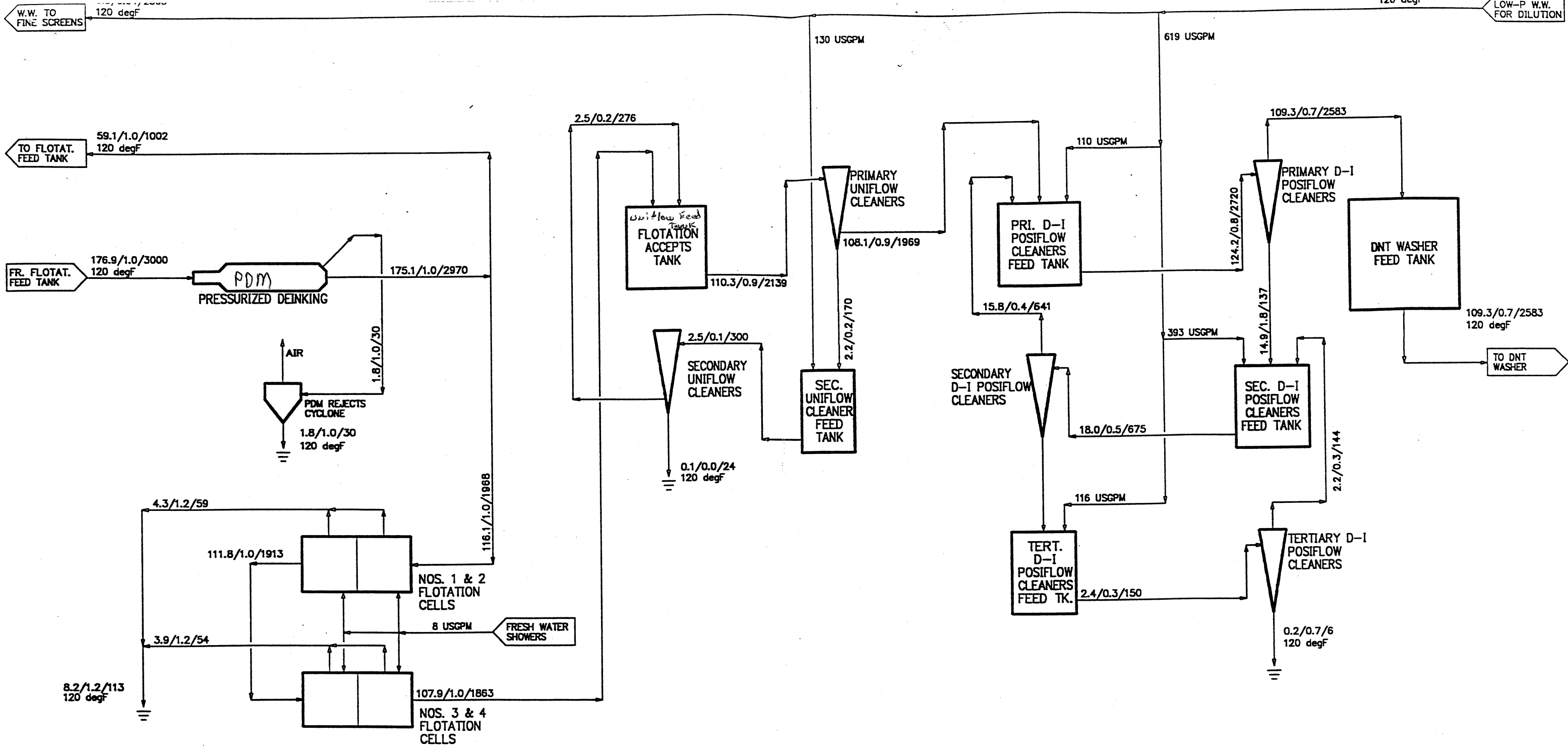


RESULTS FORMATS:
FLOW: O.D. TONS PER DAY / % CONSISTENCY / U.S. GALLONS PER MINUTE
TEMPERATURE: DEGREES FAHRENHEIT

PRODUCTION BASIS: 75 AIR-DRY TONS PER DAY TO FINAL STORAGE
80 PERCENT DEINK PROCESS AVAILABILITY
25 O.D. TONS PER DAY COLORED BROKE ADDITION

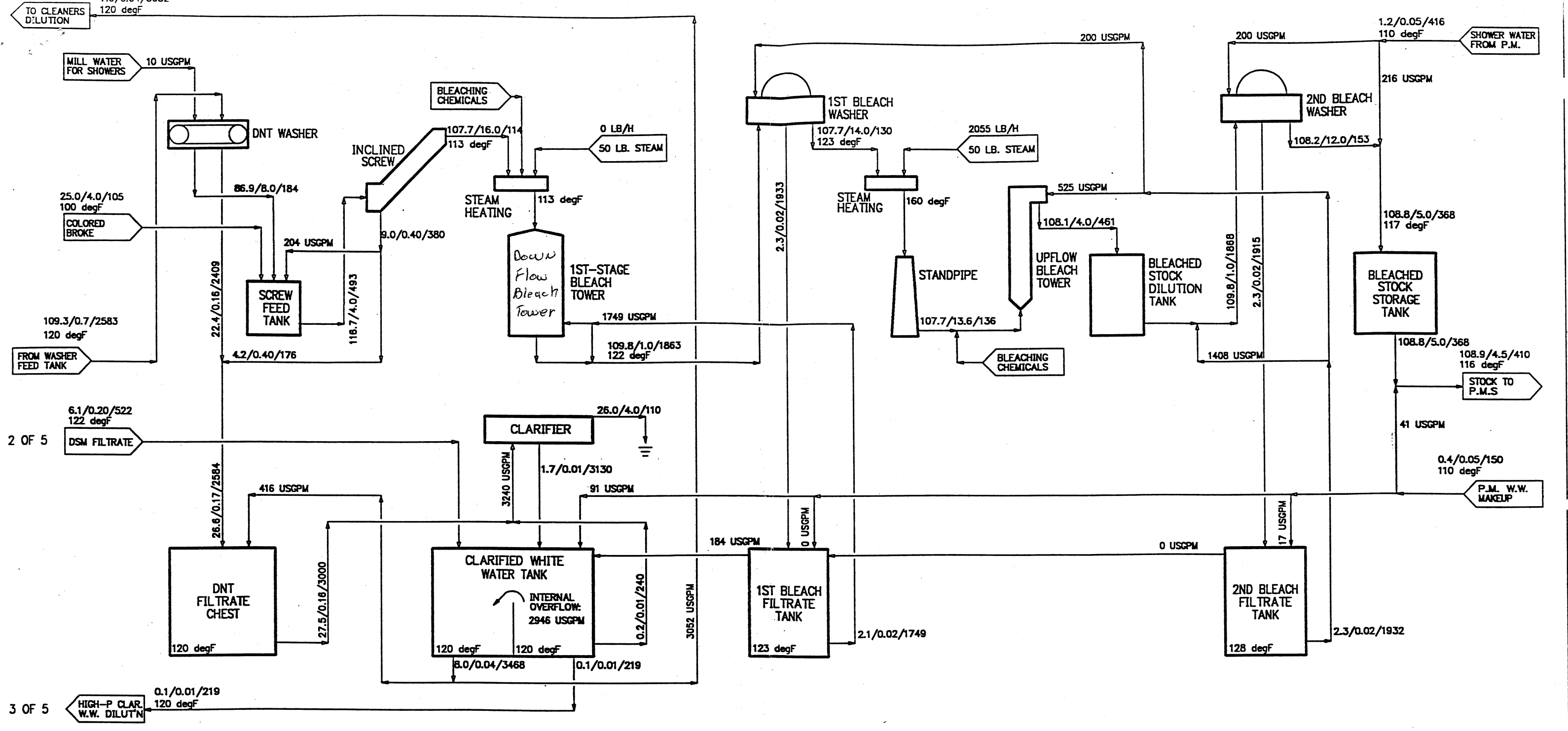
CADSIM FILES: 4519PC21.ext and 4519DI21.ext

REV	DATE	BY	APP'D	DESCRIPTION	SCALE	None	MO-DAY-YR	Harris Group Inc. APPLETON, WISCONSIN DEINK SYSTEM W/ COLORED BROKE SIMULATION FLOWSHEET 3 OF 5 DEINK LINE - HD CLEANERS & SCREENS CROSS POINTE PAPER CO. Park Falls, Wisconsin DRAWING NUMBER 92-4519-F601-B REV	
.	.	.	.	.	DRAWN	BAM	05-12-92		
.	.	.	.	.	CHK'D				
.	.	.	.	.	APP'D				
.	.	.	.	.	APP'D			CROSS POINTE PAPER CO. Park Falls, Wisconsin	
.	.	.	.	.	APPROVED				
.	.	.	.	.	DATE				
2	06-10-92	BAM		General Revisions	PROJECT	92-4519			
1	06-01-92	BAM		General Revisions				DRAWING NUMBER 92-4519-F601-B REV	



RESULTS FORMATS:
FLOW: O.D. TONS PER DAY / % CONSISTENCY / U.S. GALLONS PER MINUTE
TEMPERATURE: DEGREES FAHRENHEIT
PRODUCTION BASIS: 75 AIR-DRY TONS PER DAY TO FINAL STORAGE
80 PERCENT DEINK PROCESS AVAILABILITY
25 O.D. TONS PER DAY COLORED BROKE ADDITION
CADSIM FILES: 4519PC21.ext and 4519DI21.ext

REV	DATE	BY	APP'D	DESCRIPTION	SCALE	None	MO-DAY-YR	Harris Group Inc. APPLETON, WISCONSIN	
.		.		.	DRAWN	BAM	05-12-92		
.		.		.	CHK'D			DEINK SYSTEM W/ COLORED BROKE SIMULATION FLOWSHEET 4 OF 5 DEINK LINE - FLOTATION & CLEANERS	
.		.		.	APP'D				
.		.		.	APP'D			CROSS POINTE PAPER CO. Park Falls, Wisconsin	
.		.		.	APPROVED				
.		.		.	DATE			DRAWING NUMBER 92-4519-F601-B REV 2	
2	06-10-92	BAM		General Revisions	PROJECT	92-4519			
1	06-01-92	BAM		General Revisions					



RESULTS FORMATS:

FLOW: O.D. TONS PER DAY / % CONSISTENCY / U.S. GALLONS PER MINUTE
TEMPERATURE: DEGREES FAHRENHEIT

PRODUCTION BASIS: 75 AIR-DRY TONS PER DAY TO FINAL STORAGE
80 PERCENT DEINK PROCESS AVAILABILITY
25 O.D. TONS PER DAY COLORED BROKE ADDITION

CADSIM FILES: 4519PC21.ext and 4519DI21.ext

REV	DATE	BY	APP'D	DESCRIPTION	SCALE	None	MO-DAY-YR
.		.	.	.	DRAWN	BAM	05-12-92
.		.	.	.	CHK'D		
.		.	.	.	APP'D		
.		.	.	.	APP'D		
.		.	.	.	APPROVED		
.		.	.	.	DATE		
2	06-10-92	BAM		General Revisions	PROJECT	92-4519	
1	06-01-92	BAM		General Revisions			



Harris Group Inc.
APPLETON, WISCONSIN

DEINK SYSTEM W/ COLORED BROKE
SIMULATION FLOWSHEET 5 OF 5
DEINK LINE - HD CLEANERS & SCREENS

CROSS POINTE PAPER CO.
Park Falls, Wisconsin

DRAWING NUMBER 92-4519-F601-B REV 