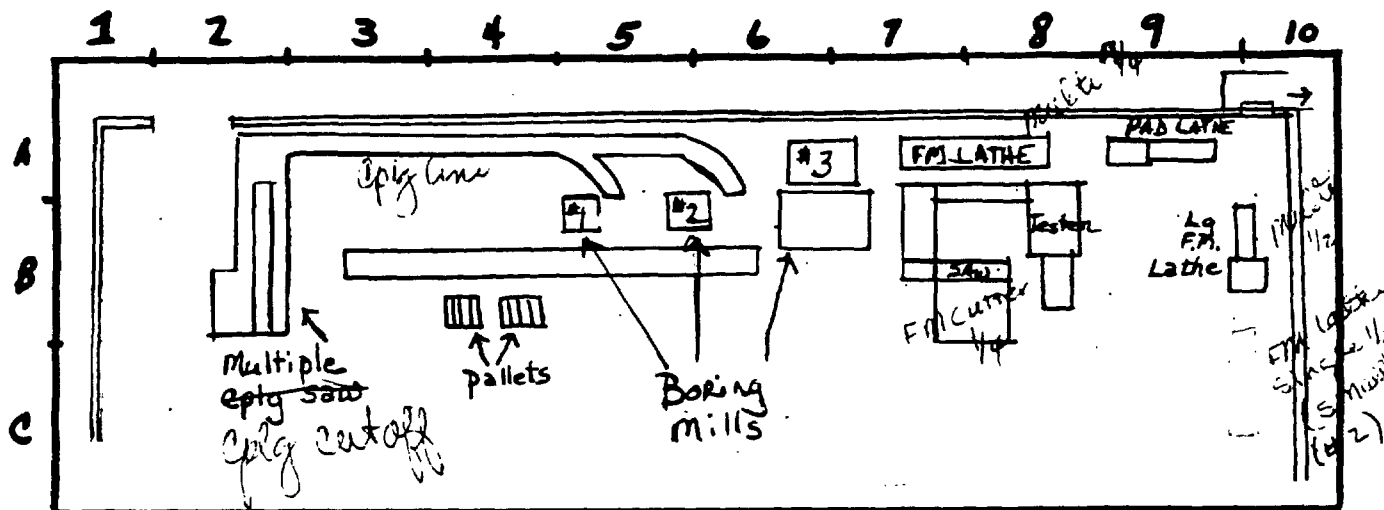


DATE
SHIFT

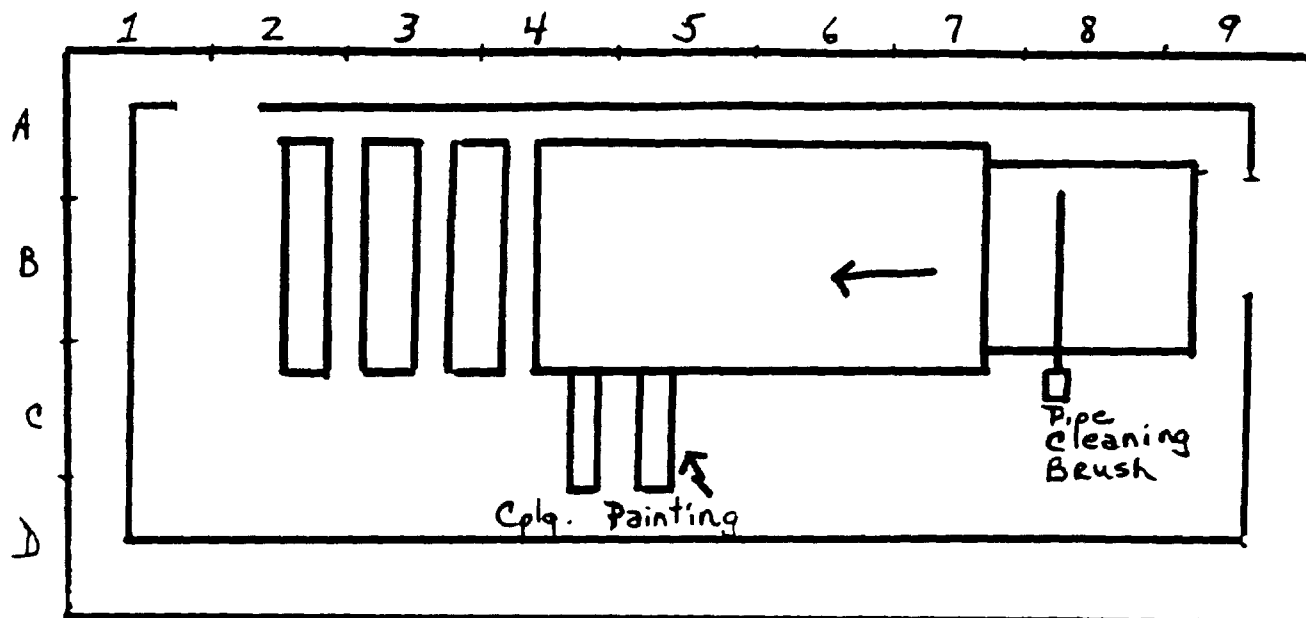
CTD016613

FIGURE 6



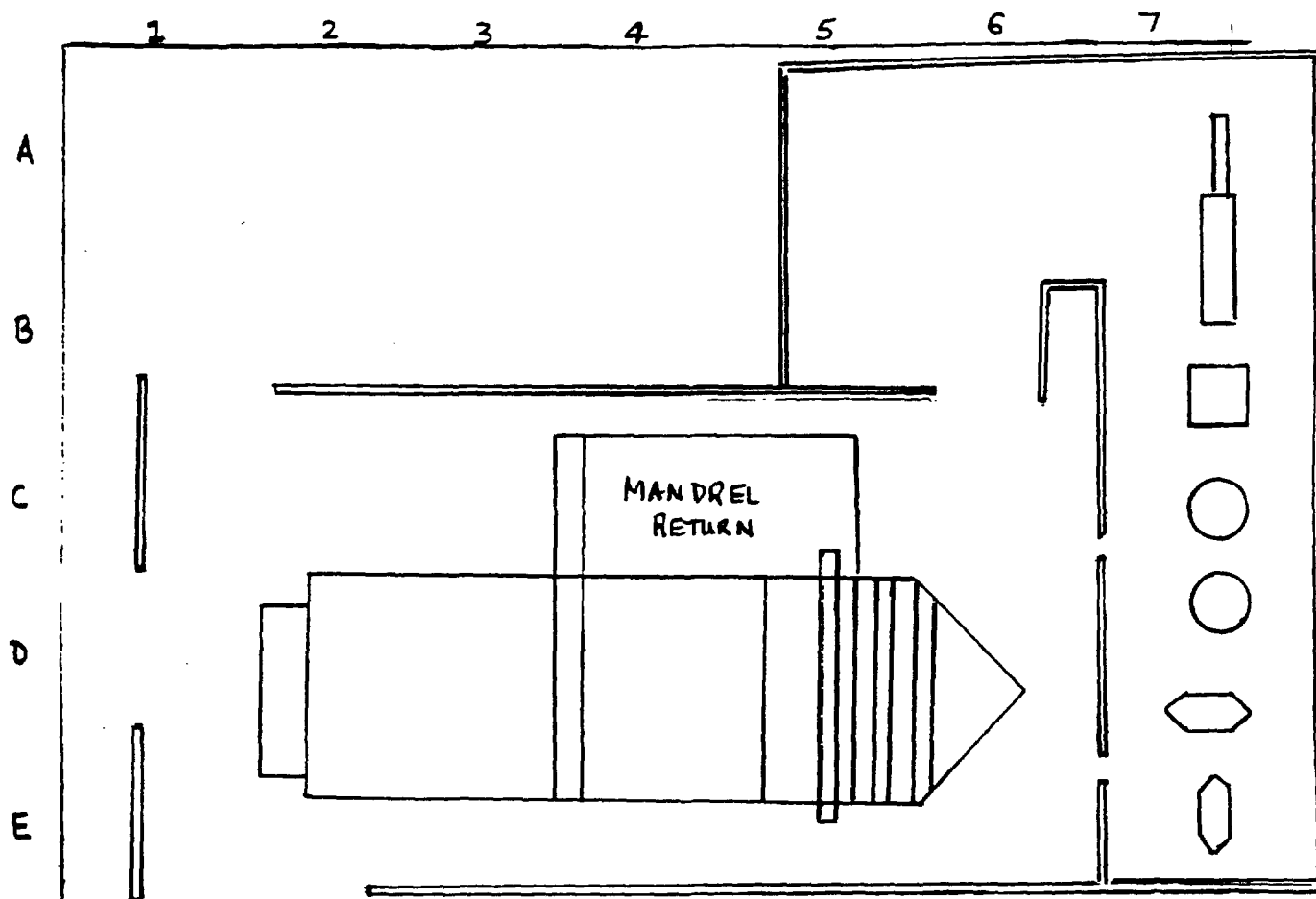
10/83							
POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
✓ Coupling Cut Off Saw Operator (1)	A-C 1-3	88-101		94.1			Consider all Mill Operators Exposed >90dBA
✓ Coupling Stacker	B 3-5	87-91		94.4			
✓ Boring Mill Operator #1 (1)	A-C 1-5	88-92		96.0			
✓ Boring Mill Operator #2 (1)	A-C 5-6	91		96.6			
✓ Boring Mill Operator #3	A-B 6-7	85-91		93.7			
✓ F.M. Lathe Operator (2)	A-C 7-8	91-97		101			
✓ FM Saw Operator (1)	A-C 7-8	88-96		96.6			
✓ Specialty Lathe Operator (1)	A-C 9-10	83-93		94.7			
CTD016614							

FIGURE 9



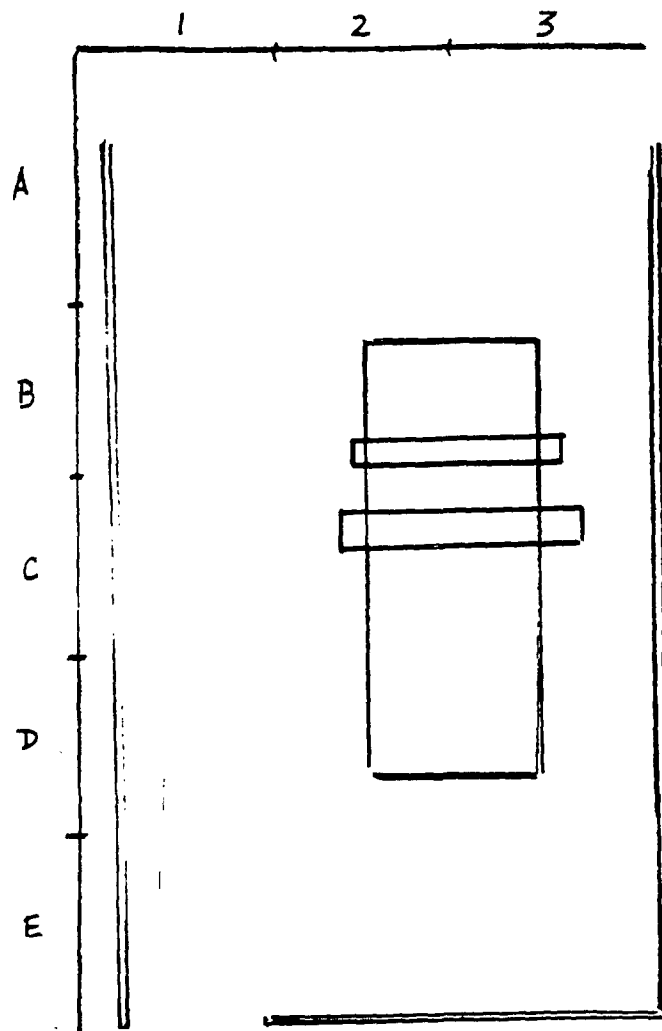
6/82							
POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
Pipe Cleaner	A-D 8					84.7	(1) Classified Person in Epoxy Department Not running at this time.
Coupling Painter	C-D 4-5		<85*				
CTD016615							

FIGURE 7



10/83							
POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
✓ Mixer Operator (4)	A-B 5-7	72-86		86.4			
✓ Machine Tender (5)	C-E 4-7	81-94		92.6			
✓ Press Operator (4)	E 4-6	86-94		92.1			
✓ Landrel Handler (5)	C-D 4-6	87-94		93.1			
✓ Trav Unloader (2)	C-E 1-2	79-82		88.4			
Manufacturing Supervisor (7)	A-E 1-7	79-94					
occlave Truck Driver	C-E 1-2	79-82					
✓ Relief Operator	A-E 1-7	79-94		90.9			
							CTD016616

FIGURE 8



10/83							
POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
✓ Lathe Operator	A-C 1-3	85-105		95.6			CTD016617
✓ Hydrotester	B-C 1-2	98-100		95.2			
✓ Finisher	C-E 1-3	87-97		94.2			
✓ Forklift Driver	A-E 1-3	87-94		94.3			

FIGURE 10

POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
X Fittings Maker (2)	Fittings Area	79-85		89.2			
Mechanic (11)	Maintenance			86.9			
Boiler Operator (3)	Plant B Boiler Rm.	77-87		86.1			1 Boiler running
X Machinist (3)	Maintenance	72-80			83.5		Doors closed
Electrician (1)	Maintenance			83.4			
Maintenance Supervisor (3)	Maintenance			82.4			
Equipment Operator (3)	Yard			88.8			
Bulk Cement Unloader (1)	Yard			89.8			
Warehouse Supervisor (1)	Yard		<85				
Pressure Operator (1)	Yard			78.4			
Loading Laborer (1)	Yard		<85				
Truck Driver (1)	Yard			89.5			
Shipping Supervisor (1)	Yard			78.0			
X Lab Technician (1)	Lab			85.7			

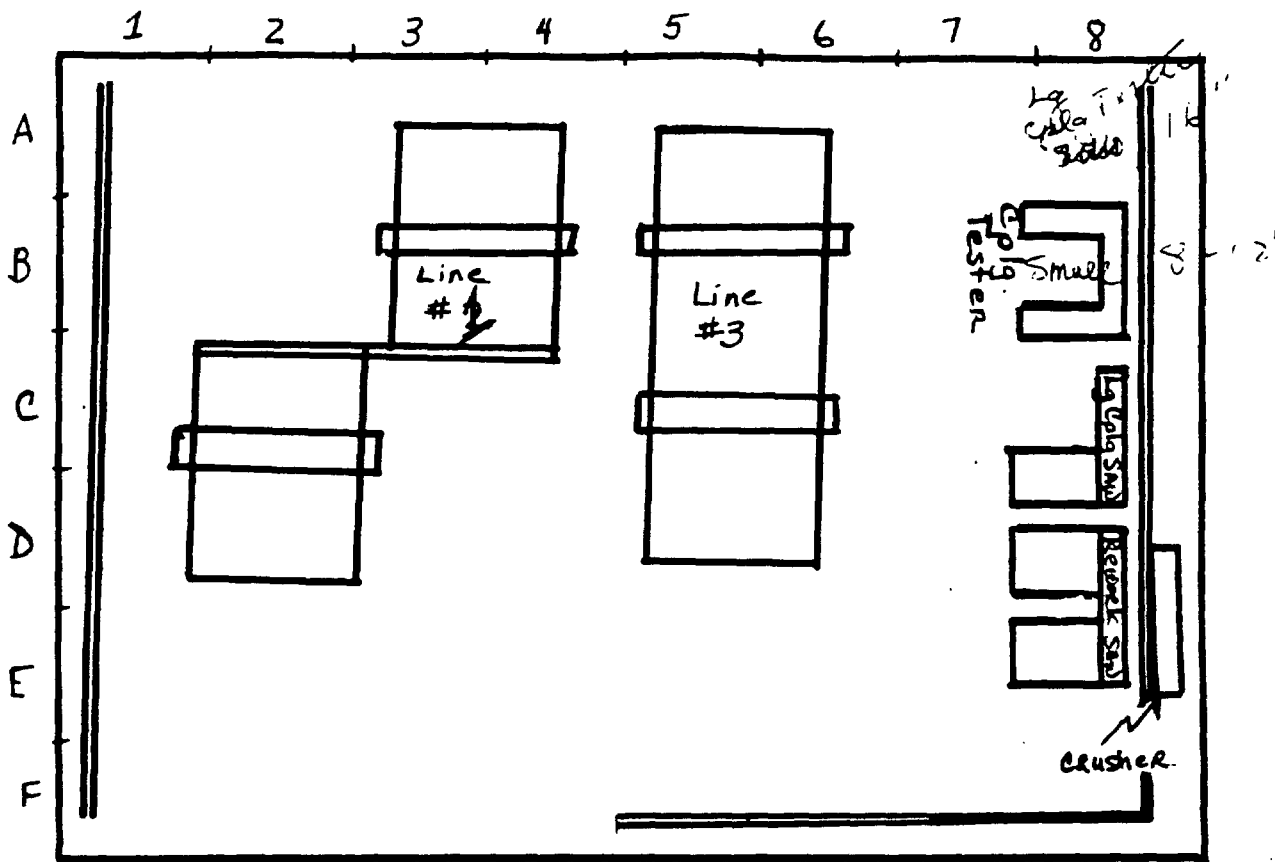
73 *[Signature]* 520

CTD016618

CTD016618

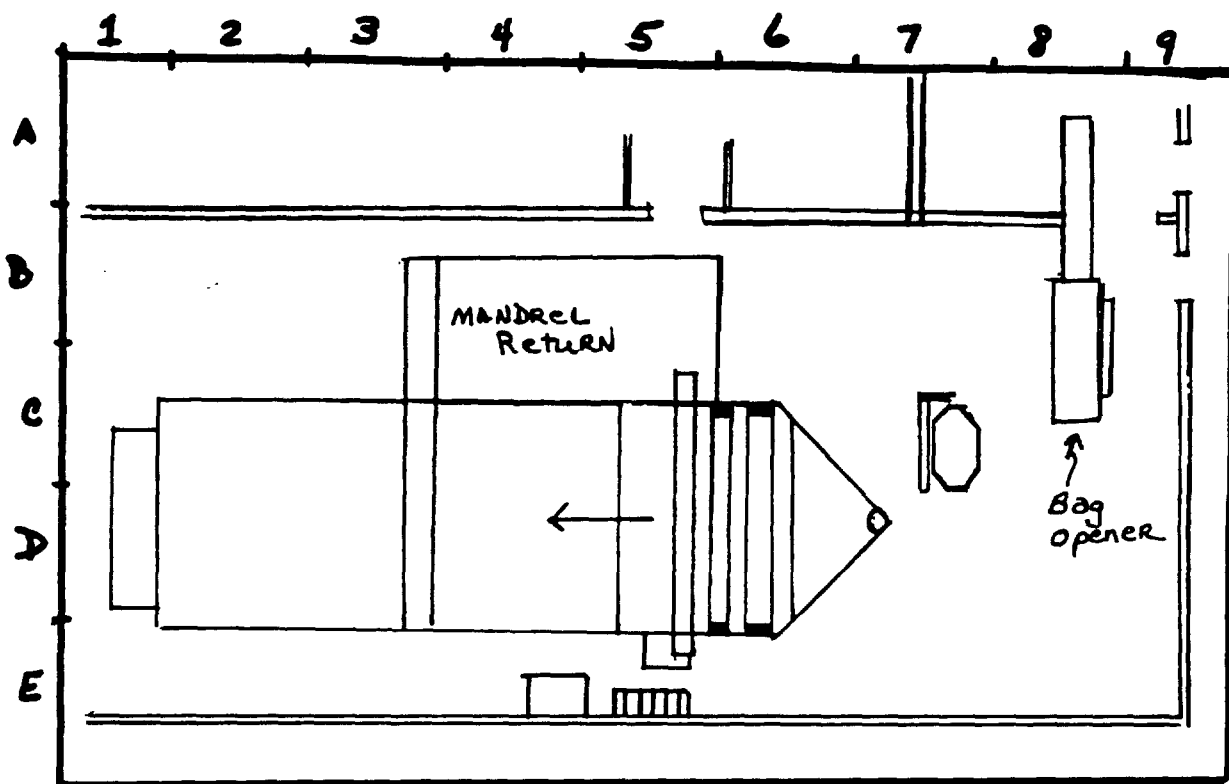
HILLSBORO 'A' PIPE PLANT
FINISHING DEPARTMENT

FIGURE 5



10/83		SOUND PRESSURE LEVEL (dBA)		ESTIMATED dBA		DOSIMETER-TWA dBA			REMARKS
POSITION	LOCATION					80	85	90	
✓ Lathe Operator Line #1	A-B 3-4	85-99				98.1			(4) Lathe Operator Rotate Between Lines
✓ Lathe Operator Line #3	A-B 5-6	92-95				95.0			
✗ Inspector Line #1	A-D 1-4	82-99				91.2			(5) Inspectors Rotate Between Lines
Inspector Line #3	A-D 5-6					93.4			
✓ Hydrotester Operator Line #1	C-D 1-3	85-98				92.4			(2) Hydrotester Rotate Between Lines
Hydrotester Operator Line #3	C-D 5-6					93.8			
✓ Coupling Tester Operator	A-B 7-8	82-99				95.7			
Lg. Coupling Saw Operator	C-D 7-8					92.5			CTD016619
✓ Rework Saw Operator	D-E 7-8	87-96				95.3			
✓ Material jib Operator (10)	C-D 1-6	85-90				91.6			Work as Bellers/ Handlers & Stackers on Lines
Truck Driver (4)	A-F 1-8					92.5			Rebanding Pipe
Laborer (1)	A-F 1-8					87.5			
Finish Supervisor (4)	A-F 1-8					91.0			
Crusher Operator	D-F 8	95-101				94.3			Also Operates Wood Saw & Drives Truck to Dump

FIGURE 4



10/83							
POSITION	LOCATION	SOUND PRESSURE LEVEL (dBA)	ESTIMATED dBA	DOSIMETER-TWA dBA			REMARKS
				80	85	90	
✓ Mixer Operator (4)	A-C 8-9	72-86		87.5			
✓ Machine Tender (5)	B-E 6-9	84-89		91.6			
✓ Press Operator (4)	D-E 6-9	85-88		90.5			
✓ Pipe Handler (5)	B-E 1-2	86-94		92.6			
✓ Laborer (2)	A-E 1-9	76-79		84.2			Tray Loader
Manufacturing Supervisor (7)	A-E 1-9	72-94		84.2			
Autoclave Truck Driver	A-E 1-3	76		92.7			180 Hyster
✓ Relief Operator	A-E 1-9	72-94		88.8			

CTD016620