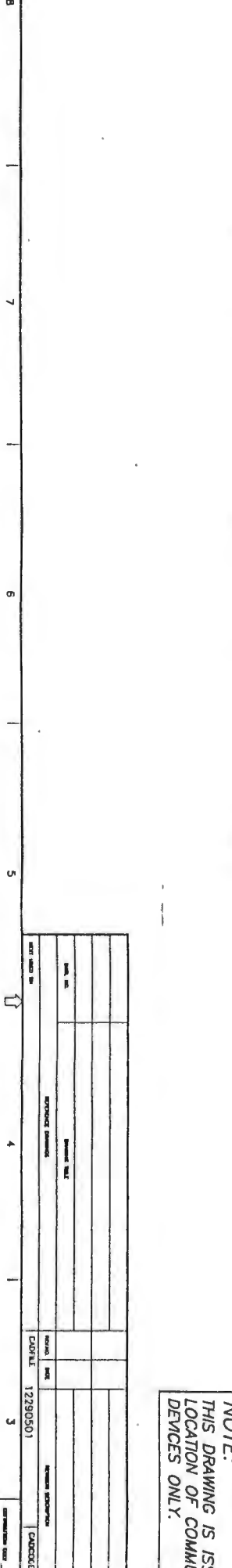
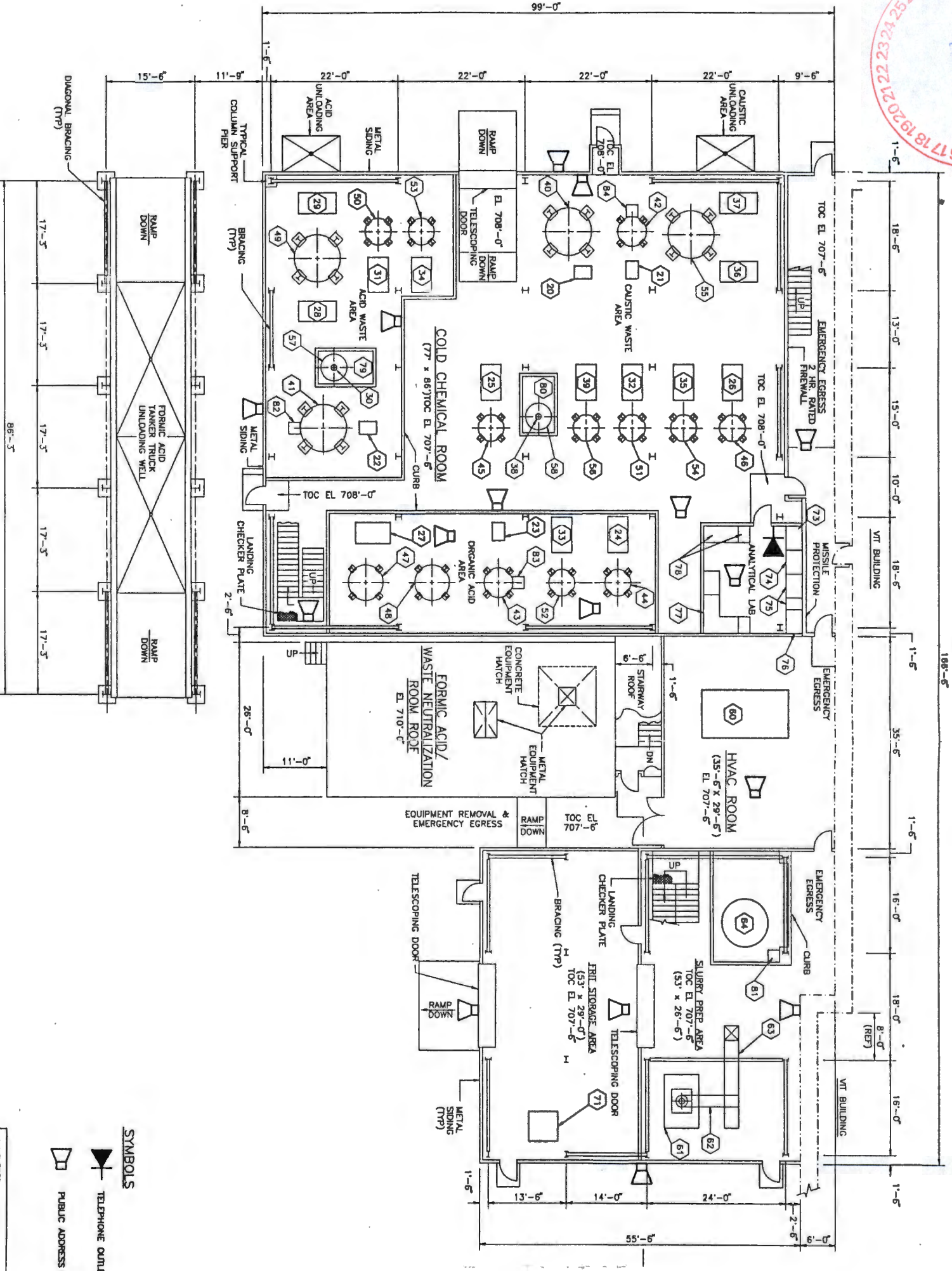


START



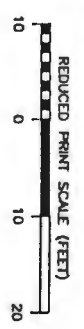
NOTE:
THIS DRAWING IS ISSUED FOR
LOCATION OF COMMUNICATIONS
DEVICES ONLY.

SYMBOLS

- TELEPHONE OUTLET
- PUBLIC ADDRESS SPEAKER

DATE	12/29/50	PROJECT NO.	12290501
DRAWN BY		CHECKED BY	
DESIGNED BY		APPROVED BY	
SCALE		TITLE	

JUL 30 1990



REFERENCE

ITEM NUMBER	DESCRIPTION	HEIGHT FEET
20	CAUSTIC WASTE HOLD TANK TRANSFER PUMP	X
21	CAUSTIC WASTE NEUT TANK TRANSFER PUMP	X
22	ACID WASTE HOLD TANK TRANSFER PUMP	X
23	ORG ACID WASTE NEUT TANK TRANSFER PUMP	X
24	SUGAR SOLUTION TRANSFER PUMP	X
25	OFFGAS TREATMENT CHEMICAL TRANSFER PUMP	X
26	KOH/FRT MODIFIER TRANSFER PUMP	X
27	DILUTE FORMALIC ACID TRANSFER PUMP	X
28	50% NITRIC ACID TRANSFER PUMP	X
29	50% NITRIC ACID UNLOADING PUMP	X
30	NITRIC ACID SLUMP PUMP	X
31	NITRIC ACID DECAN TRANSFER PUMP	X
32	DECAN SOLUTION TRANSFER PUMP	X
33	OXALIC ACID DECAN TRANSFER PUMP	X
34	POTASSIUM PERMANGANATE TRANSFER PUMP	X
35	SODIUM NITRITE TRANSFER PUMP	X
36	50% CAUSTIC UNLOADING PUMP	X
37	CAUSTIC SLUMP PUMP	X
38	DILUTE SODIUM HYDROXIDE TRANSFER PUMP	X
39	CAUSTIC WASTE HOLD TANK	X
40	CAUSTIC WASTE HOLD TANK	X
41	ACID WASTE HOLD TANK	X
42	CAUSTIC WASTE NEUTRALIZATION TANK	X
43	ORGANIC ACID WASTE NEUTRALIZATION TANK	X
44	SUGAR SOLUTION MAKE-UP TANK	X
45	OFFGAS TREATMENT CHEMICAL MAKE-UP TANK	X
46	KOH/FRT MODIFIER MAKE-UP TANK	X
47	FORMALIC ACID DILUTION TANK	X
48	DILUTE FORMALIC ACID FEED TANK	X
49	50% NITRIC ACID STORAGE TANK	X
50	NITRIC ACID DECAN MAKE-UP TANK	X
51	DECAN SOLUTION MAKE-UP TANK	X
52	OXALIC ACID DECAN MAKE-UP TANK	X
53	POTASSIUM PERMANGANATE MAKE-UP TANK	X
54	SODIUM NITRITE MAKE-UP TANK	X
55	50% CAUSTIC STORAGE TANK	X
56	DILUTE SODIUM HYDROXIDE MAKE-UP TANK	X
57	ACID WASTE SLUMP TANK	X
58	CAUSTIC WASTE SLUMP TANK	X
60	FRT STORAGE BLDG CHEM STOR SERV ARIU	X
61	BAG UNLOADER	X
62	SCREW CONVEYOR	X
63	BUCKET ELEVATOR	X
64	FRT SLURRY MAKE-UP TANK	X
71	WEIGH SCALE	X
73	COLD CHEMICAL LAB HOOD #1	X
74	COLD CHEMICAL LAB HOOD #2	X
75	COLD CHEMICAL LAB EQUIPMENT	X
76	LAB HOT WATER HEATER	X
77	LAB HOT WATER HEATER	X
78	ALCS TERMINAL	X
79	TOXIC GAS ANALYZER	X
80	ACID WASTE SLUMP	X
81	CAUSTIC WASTE SLUMP	X
82	FRT SLURRY MAKE-UP TANK	X
83	ACID WASTE HOLD TANK PH ANALYZER	X
84	ORGANIC WASTE NEUT TANK PH ANALYZER	X
	CAUSTIC WASTE NEUT TANK PH ANALYZER	X

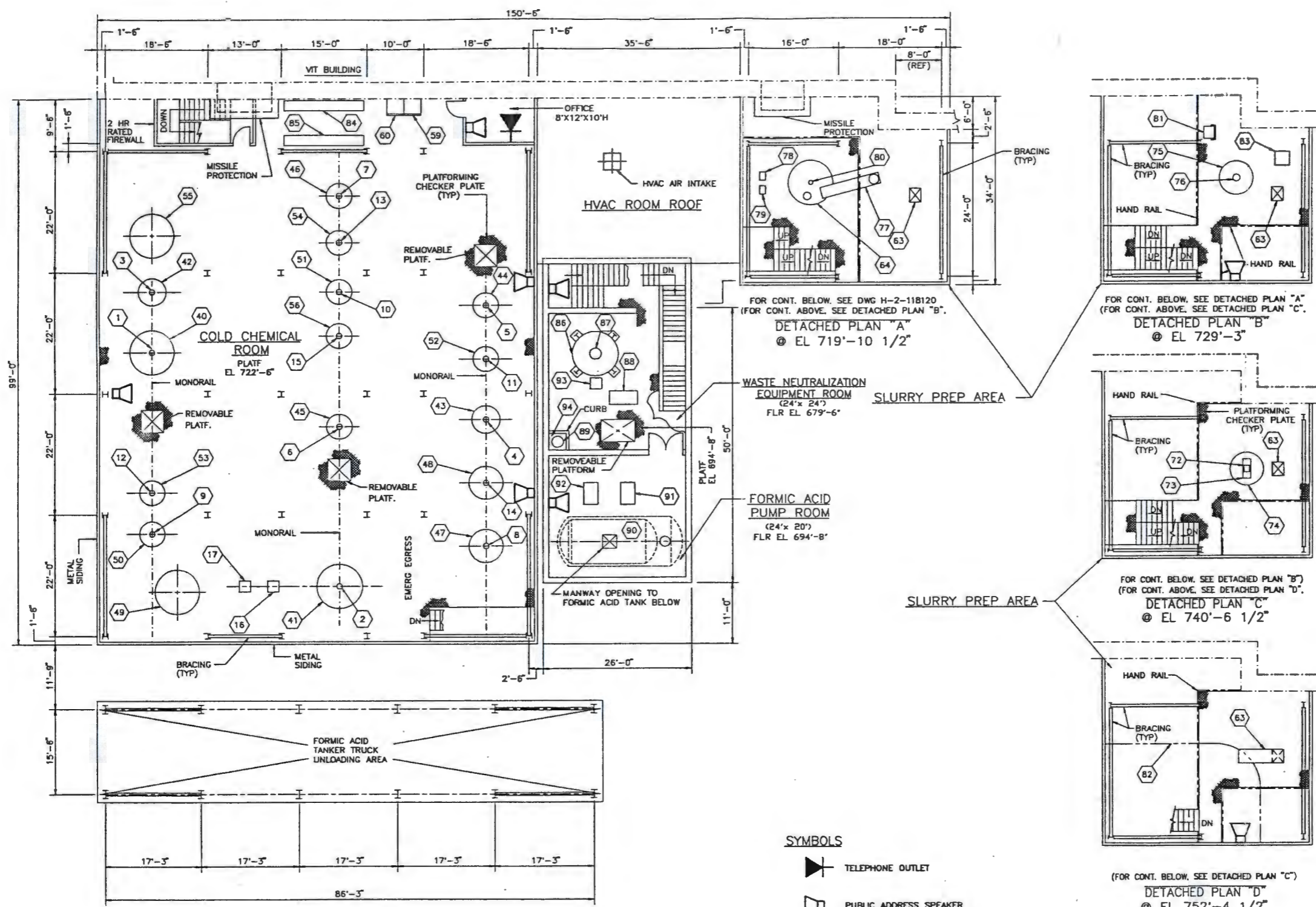
U.S. DEPARTMENT OF ENERGY			
FLUOR DANIEL, INC.			
ADVANCED TECHNOLOGY DIVISION			
ELECTRICAL COMMUNICATIONS			
SYSTEMS LAYOUT			
FRT STOR/COLD CHEM BLDG			
FLOOR			
REV	DATE	BY	CHKD
1	1/8" = 1'		
HAWFORD WASTE NEUTRICATION PLANT			
DATE: 8/4/74			
DRAWN BY: CAROLINE S. THAYER			
SCALE: 1/8" = 1'			
PROJECT NO: 12290501			
NOT RECD.			
1	2	1	A

0010206

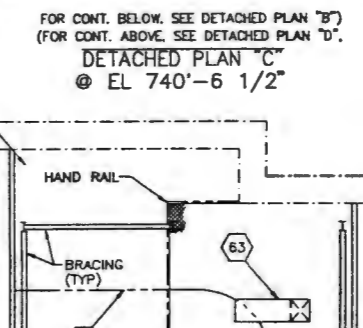
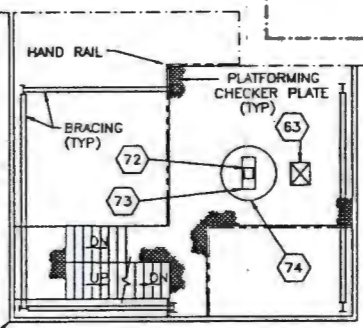
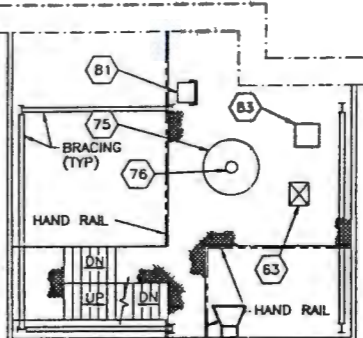
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0010206
2042

91118901766



EQUIPMENT LIST			
ITEM NO.	EQUIPMENT NUMBER	HEIGHT FEET	DESCRIPTION
1	AG-530-001	X	CAUSTIC WASTE HOLD TANK AGITATOR
2	AG-530-003	X	ACID WASTE HOLD TANK AGITATOR
3	AG-530-005	X	CAUSTIC WASTE NEUT TANK AGITATOR
4	AG-530-006	X	ORGANIC ACID WASTE NEUT TANK AGITATOR
5	AG-540-001	X	SUGAR SOLUTION MAKE-UP TANK AGITATOR
6	AG-540-002	X	OFFGAS TREATMENT CHEM MKUP TANK AGITATOR
7	AG-540-004	X	KOH/FRIT MODIFIER MAKE-UP TANK AGITATOR
8	AG-540-006	X	FORMIC ACID DILUTION TANK AGITATOR
9	AG-540-007	X	NITRIC ACID DECON MAKE-UP TANK AGITATOR
10	AG-540-008	X	DECON SOLUTION MAKE-UP TANK AGITATOR
11	AG-540-009	X	OXALIC ACID DECON MAKE-UP TANK AGITATOR
12	AG-540-010	X	POTASSIUM PERMANGANATE MKUP TANK AGITATOR
13	AG-540-011	X	SODIUM NITRITE MAKE-UP TANK AGITATOR
14	AG-540-013	X	DILUTE FORMIC ACID FEED TANK AGITATOR
15	AG-540-017	X	DILUTE SODIUM HYDROXIDE MKUP TANK AGITATOR
16	BL-550-001A	X	ACID VENT BLOWER
17	BL-550-001B	X	ACID VENT BLOWER
40	TK-530-001	X	CAUSTIC WASTE HOLD TANK
41	TK-530-003	X	ACID WASTE HOLD TANK
42	TK-530-005	X	CAUSTIC WASTE NEUTRALIZATION TANK
43	TK-530-006	X	ORGANIC ACID WASTE NEUTRALIZATION TANK
44	TK-540-001	X	SUGAR SOLUTION MAKE-UP TANK
45	TK-540-003	X	OFFGAS TREATMENT CHEMICAL MAKE-UP TANK
46	TK-540-005	X	KOH/FRIT MODIFIER MAKE-UP TANK
47	TK-540-009	X	FORMIC ACID DILUTION TANK
48	TK-540-010	X	DILUTE FORMIC ACID FEED TANK
49	TK-540-011	X	50% NITRIC ACID STORAGE TANK
50	TK-540-013	X	NITRIC ACID DECON MAKE-UP TANK
51	TK-540-015	X	DECON SOLUTION MAKE-UP TANK
52	TK-540-016	X	OXALIC ACID DECON MAKE-UP TANK
53	TK-540-018	X	POTASSIUM PERMANGANATE MAKE-UP TANK
54	TK-540-020	X	SODIUM NITRITE MAKE-UP TANK
55	TK-540-022	X	50% CAUSTIC STORAGE TANK
56	TK-540-030	X	DILUTE SODIUM HYDROXIDE MAKE-UP TANK
59	LP-540-004	X	COLD CHEMICAL AREA LOCAL CONTROL PANEL
60	LP-530-001	X	LIQUID WASTE AREA LOCAL CONTROL PANEL
63	HD-580-003	X	BUCKET ELEVATOR
64	TK-580-001	X	FRIT SLURRY MAKE-UP TANK
72	HD-580-004	X	MAGNETIC CHUTE
73	HD-580-005	X	LUMP BREAKER
74	HD-580-006	X	SCALPING SCREEN
75	HD-580-007V	X	FRIT WEIGH BIN W/BIN ACTIVATOR
76	HD-580-008	X	DIVERter VALVE
77	HD-580-009	X	SCREW CONVEYOR
78	PX-580-001	X	FRIT SLURRY MAKE-UP TANK TRANSFER PUMP
79	PX-580-002	X	FRIT SLURRY MAKE-UP TANK SAMPLE PUMP
80	AG-580-001	X	FRIT SLURRY MAKE-UP TANK AGITATOR
81	FL-580-001	X	VENT FILTER
82	72-41NR-4615	X	MONORAIL HOIST
83	SE-580-001V	X	DUST COLLECTOR W/BLOWER BAGHOUSE
84	MC-32A-302	X	MOTOR CONTROL CENTER
85	MC-32B-302	X	MOTOR CONTROL CENTER
86	TK-530-004	X	ORGANIC ACID WASTE HOLD TANK
87	AG-530-004	X	ORGANIC ACID WASTE HOLD TANK AGITATOR
88	PX-530-008	X	ORGANIC ACID WASTE HOLD TANK TRANSFER PUMP
89	PX-530-007	X	ORGANIC ACID WASTE HOLD TANK SUMP PUMP
90	TK-540-007	X	FORMIC ACID STORAGE TANK
91	PX-540-034	X	FORMIC ACID DILUTION TRANSFER PUMP
92	PX-540-007	X	FORMIC ACID FEED TRANSFER PUMP
93	FG-530-001	X	ORGANIC ACID WASTE HOLD TANK HEPA FILTER
94	SU-530-002	X	ORGANIC ACID WASTE HOLD TANK SUMP



REFERENCE

JUL 30 1990



- SYMBOLS**
- TELEPHONE OUTLET
 - PUBLIC ADDRESS SPEAKER

NOTE:
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ENGINEERING RELEASE		U.S. DEPARTMENT OF ENERGY	
REV.	DATE	Advanced Technology Office DE - AC00-88R.108.30	
ERD		FLUOR DANIEL, INC.	
DESIGNED BY		ADVANCED TECHNOLOGY DIVISION	
DRAWN BY		ELECTRICAL COMMUNICATIONS SYSTEMS LAYOUT	
CHECKED BY		FRIT STOR/COLD CHEM BLDG	
APPROVED BY		MISC FLOOR PLAN	
PROJECT NO.		HANFORD WASTE VITRIFICATION PLANT	
DATE		PROJECT NO. B-595	
		DRAWING NO. 845724	
		SCALE 1/8" = 1'	
		REVISIONS	
NONE	NOT REQ'D	H-2-122905	2 2 A

NO.	DATE	DESCRIPTION	BY	CHKD