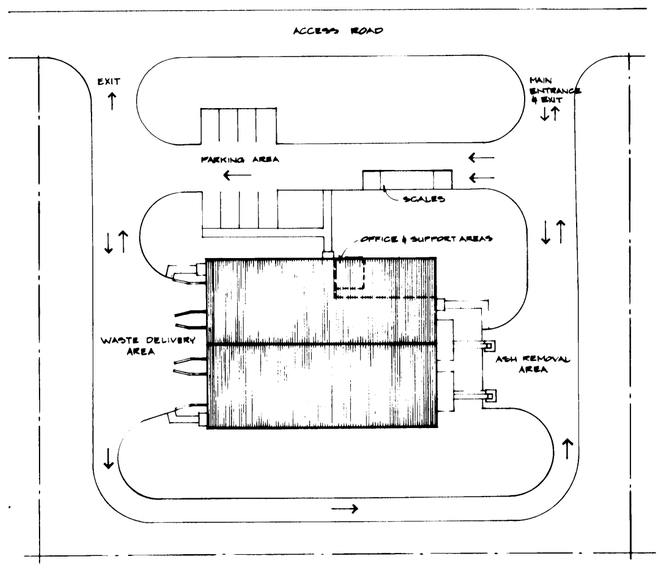
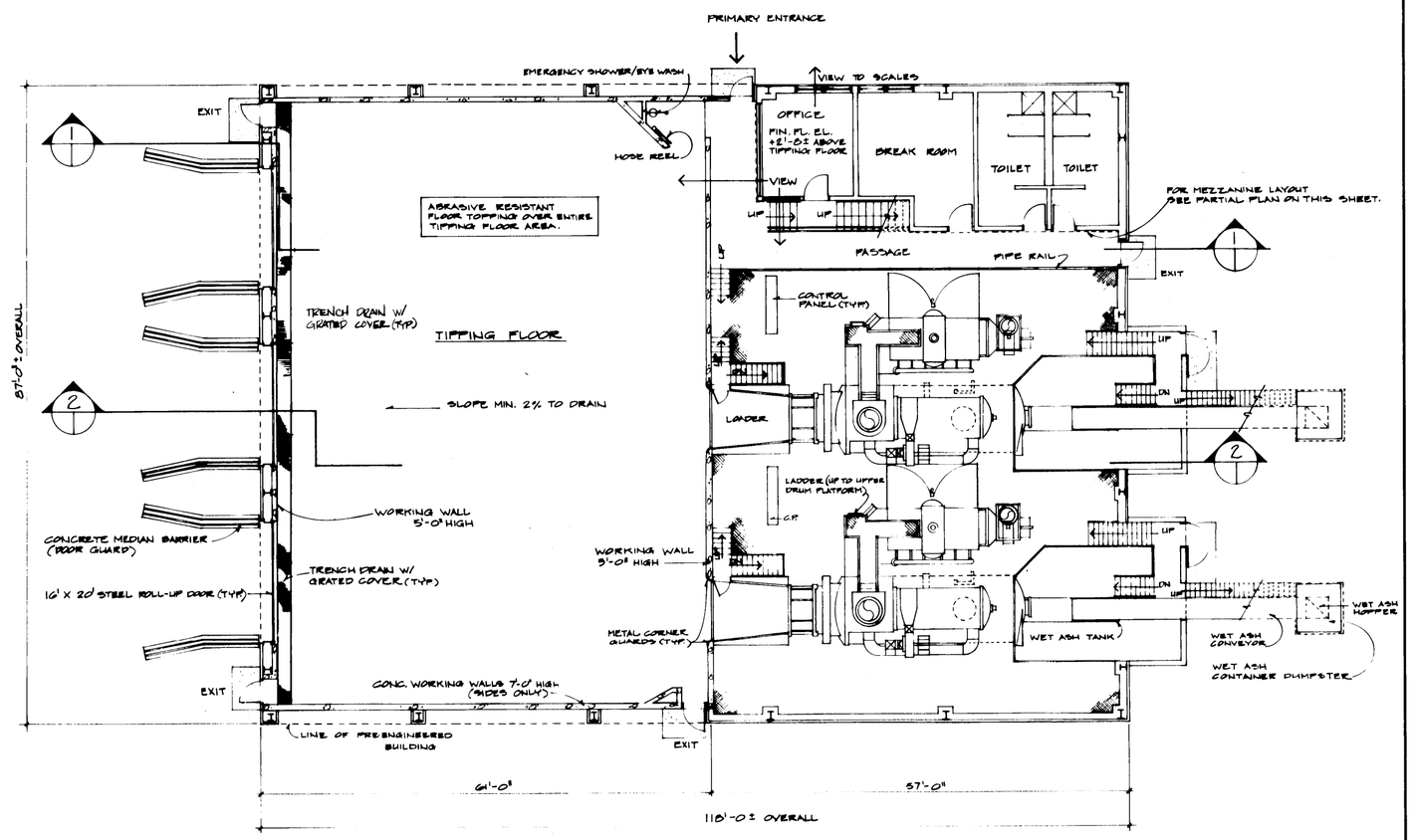


TWO 25-TON PER DAY UNITS / SITE PLAN

SCALE 1" = 30'-0"



GROUND FLOOR PLAN

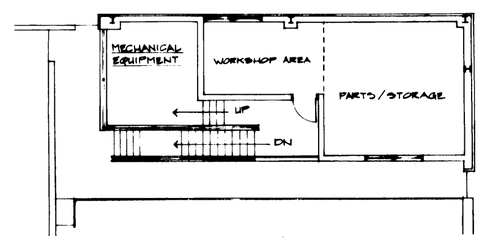
SCALE 1/8" = 1'-0"

GROSS AREA TABULATION: (GROUND FLOOR)

TIPPING FLOOR	5307 S.F.
INCINERATOR EQUIPMENT	3662 S.F.
OFFICE	215 S.F.
BREAK ROOM	300 S.F.
TOILETS	420 S.F.
CIRCULATION	490 S.F.
	10594 S.F. TOTAL GROSS AREA (APPROX)

GENERAL NOTES

1. FLOOR DRAINS SHOULD BE INCLUDED AT THE LOWER LEVEL OF THE PLANT TO PRECLUDE STANDING WATER.
2. INSTALL TWO INCH WATER LINES ON BOTH SIDES OF THE PLANT FOR WASHING.
3. ALL EQUIPMENT, SWITCHES, VALVES, ETC. SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE. CATWALKS SHOULD ENSURE ACCESSABILITY TO ELEVATED SECTIONS OF THE INCINERATOR.
4. A BOILER WATER CHEMICAL FEED SYSTEM SHOULD BE INCORPORATED INTO THE INITIAL DESIGN. WHEN PLANT IS LOCATED IN PROXIMITY OF A CENTRAL BOILER PLANT, CONSIDER USE OF THE BOILER FEED WATER SYSTEM IN LIEU OF ADDING CHEMICAL FEEDER.
5. SUSPENDED, REMOTE SWITCHES, ACCESSIBLE TO THE 'BOBCAT' OPERATOR, SHOULD BE PROVIDED FOR EACH CHARGING RAM TO EASE LOADING AND CHARGING.
6. ALL AUDIABLE ALARMS SHOULD BE VARY LOUD TO ENSURE THAT THEY ARE HEARD; THIS INCLUDES TELEPHONES, ETC.
7. ENSURE THAT THE TOP OF THE HYDRAULIC LOADER IS FLUSH WITH THE TIPPING FLOOR.
8. THE INCINERATOR SHOULD HAVE A MINIMUM OF TWO INTERNAL RAMS (IN ADDITION TO THE CHARGING RAM) WHICH WILL MIX THE REFUSE DURING COMBUSTION. THE FINAL RAM SHOULD ENSURE THAT THE WASTE IS PUSHED INTO THE ASH PIT AND DOES NOT ALLOW MOUNDING OF CLINKERS, ASH, ETC. ASH TANK SHOULD BE WET QUENCH TYPE.
9. PERFORMANCE TESTING SHOULD BE CONDUCTED UNDER THE MOST SEVERE OPERATIONAL CONDITIONS WHICH WILL ENSURE THAT ALL PARAMETERS ARE TESTED AND MET WITHOUT OPTIMIZING CONDITIONS FOR THAT PARTICULAR TEST (I.E. DO NOT REDUCE LOADING TO ENSURE MEETING AIR POLLUTION REQUIREMENTS).
10. ENSURE THAT CONVEYOR WIDTH MATCHES WIDTH OF ASH QUENCH TANK TO PREVENT RESIDUE BUILDUP. THE ASH CONVEYOR SHOULD EFFECTIVELY SWEEP THE ENTIRE QUENCH TANK.
11. SUMP PUMPS IN ASH PITS SHOULD BE SEWAGE EJECTOR PUMPS TO HANDLE SOLIDS WHEN TANKS ARE DRAINED FOR MAINTENANCE.
12. TRENCH DRAINS SHALL BE HEAVY DUTY MODULAR, PREFABRICATED UNITS.



MEZZANINE FLOOR PLAN

SCALE 1/8" = 1'-0"

REV.	DATE	DESCRIPTION	BY	APP.

DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
NORFOLK, VA.

DESIGNED MAC/JA
DRAWN JA
CHECKED MAC
SUBMITTED

DEFINITIVE DESIGN
REFUSE-FIRED HEAT RECOVERY INCINERATOR
(MODULAR INCINERATORS - USE CEGS-11171)

PLANT CAPACITY: 20-25 TONS/DAY

SCALE | TO ACCOMPANY SPECIFICATION NO. | PROJECT NO. | SHEET NO. 2 of 9

DATE MAY 1984 | DRAWING NO. DF# 833-11-01

NORFOLK DISTRICT FILE NO.