OCCUPANT LOAD FACTORS (NFPA 101B TABLE 5.3.1.2)

OCCUPANCY TYPE	AREA IN SQUARE FEET
SHOPS, LABS, VOCATIONAL ROOMS	50 NET
STORAGE	NA*
ASSEMBLY – LESS CONCENTRATED	1 PER FIXED SEAT
BUSINESS	100 GROSS
LOCKER ROOMS	50 NET
SPECIAL PURPOSE INDUSTRIAL	NA*

* NOT APPLICABLE. THE OCCUPANT LOAD SHALL BE NOT LESS THAN THE MAXIMUM PROBABLE NUMBER OF OCCUPANTS PRESENT AT ANY TIME.

GENERAL PLAN NOTES

1. OCCUPANCY = SPECIAL PURPOSE INDUSTRIAL, ORDINARY/MODERATE HAZARD
2. FIRE EXTINGUISHERS TO BE PLACED EVERY 75' MAX (NFPA 10 TABLE 6.2.1.1)
3. MINIMUM CORRIDOR WIDTH =36" (NFPA 5000 – 11.3.4)
4. CORRIDOR IS NOT FIRE RATED (NFPA 5000 – 11.1.3.1, 29.3.6)
5. MINIMUM STAIR WIDTH FOR LESS THAN 50 OCCUPANTS = 36" (NFPA 101 – 7.2.2.2.1.2)
6. UTILITY CHASES ARE NOT REQUIRED TO COMPLY WITH CHAPTER 7 (NFPA 101 – 40.2.1.2)
7. UNENCLOSED STAIRS PERMITTED (NFPA 5000 – 8.12)
8. COMMON PATH OF TRAVEL DISTANCE OF 100' (NFPA 5000 – TABLE 5.5.1.8)
9. ALLOWABLE TRAVEL DISTANCE OF 400' (NFPA 100B – TABLE 5.6.1)
10. MEZZANINE FLOOR IS NOT FIRE RATED (NFPA 5000 – 7.2.3.2.4)
11. NO FIRE RATED EXTERIOR WALLS WITH A HORIZONTAL SEPARATION GREATER THAN 10' (NFPA 5000 – TABLE 7.3.2.1)
12. DASHED FURNITURE IS NOT IN CONTRACT AND SHOWN FOR REFERENCE ONLY
13. THE 2 HOUR FIRE RATED WALL REPRESENTS AN OWNER REQUEST AND IS NOT A REQUIREMENT OF ANY CODE
14. THE MEZZANINE IS NOT REQUIRED TO COMPLY WITH THE ARCHITECTURAL BARRIERS ACT FOR FEDERAL BUILDINGS – F203–6.
15. WALL REINFORCING ONLY IS TO BE INSTALLED AT THE SHOWER GRAB BAR LOCATIONS. GRAB BARS MAY BE INSTALLED IN THE FUTURE AS THE NEED ARISES – 606.3 EXCEPTION 1.

DRAWING KEYNOTES (X)

1. EDGE OF SLAB ABOVE
2. SHIP'S LADDER
3. 2 EXISTING FUEL STORAGE TANKS TO REMAIN; TANKS ARE PARTIALLY BELOW FINISHED GRADE AND HAVE A CONCRETE CAP
4. GUARDRAIL AT FLOOR OPENING
5. EXISTING BOILER PLANT WALL (BASEMENT LEVEL)
6. ENCLOSED STAIR DOWN TO EXISTING BOILER PLANT
7. OVERHEAD COILING DOOR
8. GENERATOR EXHAUST AND ACCESS
9. CONTROL PANEL– SEE ELECTRICAL DRAWINGS
10. SURFACE MOUNTED FIRE EXTINGUISHER CABINET
11. RECESSED FIRE EXTINGUISHER CABINET

LIFE SAFETY SYMBOL LEGEND

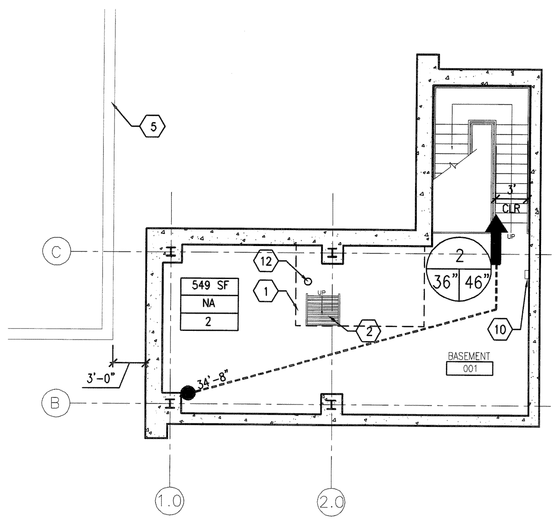
- 670 / 20 NET / 34 PEOPLE — AREA OF ROOM; AREA PER OCCUPANT (NET OR GROSS); OCCUPANT LOAD PER ROOM
- 100' — START OF EGRESS ROUTE (WITH TRAVEL DISTANCE NOTED)
- END OF EGRESS ROUTE (EXIT)
- DIRECTION OF TRAVEL
- # PERSON — EGRESS OCCUPANT LOAD
- REQ. / PROV — PROVIDED EGRESS WIDTH; MINIMUM REQUIRED EGRESS WIDTH = OCC. LOAD X 0.2 HORIZONTAL, OCC. LOAD X 0.3 AT STAIRS
- 2 HOUR FIRE RATED WALL

WALL TYPES LEGEND

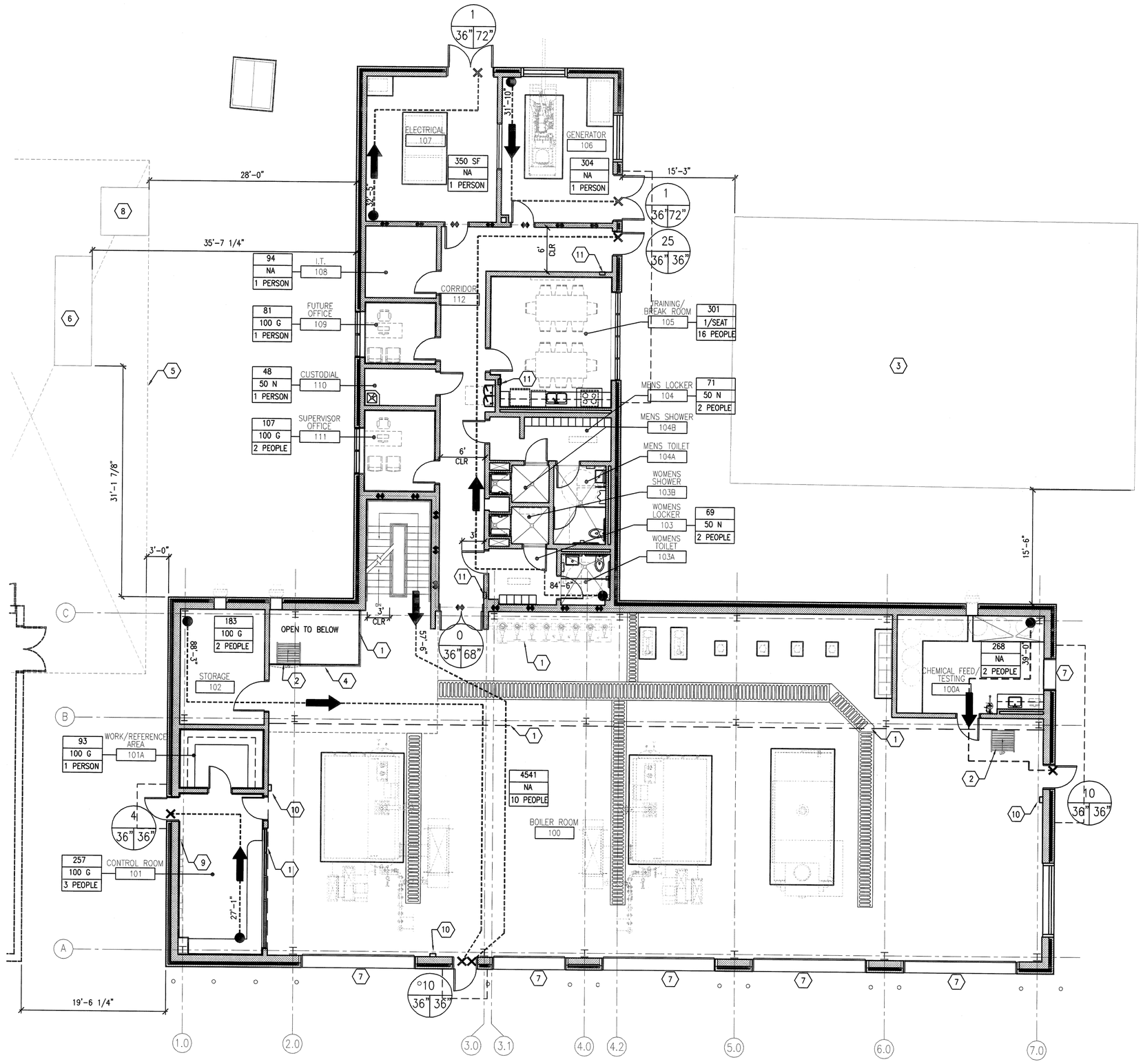
- (2) HOUR FIRE BARRIER
- CMU, SEE ARCHITECTURAL PLANS FOR SIZES

COORDINATION DRAWINGS

THE MECHANICAL CONTRACTOR SHALL TAKE THE LEAD IN PREPARATION OF COORDINATION DRAWINGS. SUCH DRAWINGS SHALL BE ARRANGED AND DESIGNED THROUGH AND FROM COORDINATION WITH ALL OTHER MAJOR AND MINOR SUBCONTRACTORS AND THE GENERAL CONTRACTOR. PROVIDE PLAN VIEWS, SECTIONS AND ELEVATIONS AS REQUIRED TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS. DRAW TO SCALE (AT NOT LESS THAN 3/8" = 1'–0"). DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO: ALL WALL RATINGS; ALL DUCTWORK; ALL AIR DISTRIBUTION; MECHANICAL EQUIPMENT; MECHANICAL PIPING; FIRE PROTECTION PIPING; ALL PLUMBING PIPING; CABLE TRAYS (WITH ELEVATIONS NOTED); LIGHTING FIXTURES (WHEN CEILING MOUNTED); CEILING GRID AND CEILING HEIGHT; MAJOR BEAMS AND JOISTS (WITH ELEVATIONS MARKED); FIRE ALARM DEVICES AND SPEAKERS (WHERE CEILING MOUNTED); ELECTRICAL CONDUITS LARGER THAN 2–INCH DIAMETER; ELECTRICAL BUSWAY AND REQUIRED CLEARANCES; EQUIPMENT PROVIDED BY OTHERS THAT PROTRUDE INTO CEILING CAVITIES OR IMPEDE THE LOCATION OR ACCESS TO ABOVE CEILING PIPING, DUCTWORK OF OTHER EQUIPMENT. SECTIONS SHALL BE CUT THROUGH AREAS SHOWING MATERIALS AND SYSTEMS OF ALL CONTRACTS. IF THERE ARE ANY OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH THE ARCHITECT AND/OR ENGINEER (THROUGH THE VA COTR) FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN. IT IS IMPORTANT TO NOTE THAT FABRICATION CANNOT BEGIN UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED. ANY MATERIAL, EQUIPMENT, SYSTEMS, ETC., PROCUREMENT OR INSTALLATION COMMENCED PRIOR TO APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK AND MAY HAVE TO BE MODIFIED, MOVED AND/OR RECONFIGURED AT THE CONTRACTORS COST.



F2 LIFE SAFETY PLAN – BASEMENT
1/8" = 1'–0"



F7 LIFE SAFETY PLAN – FIRST FLOOR
1/8" = 1'–0"

PLAN NORTH

100% CONSTRUCTION DOCUMENTS

REVISION NO.	REVISION DESCRIPTION	By	Date

Revisions

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Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: LIFE SAFETY PLANS - BASEMENT AND FIRST FLOOR

★ BUILDING IS FULLY SPRINKLERED ★

Project Title: REPLACE BOILER PLANT/ COGEN/CHP

Date: APRIL 30, 2012

Project Number: 544-11-101

Drawn	Building Number	AutoCAD File Name	DRAWING No.
	21	MJF/RLS	GI004
Checked	Reviewed	Const. Contract No.	

Veterans Affairs