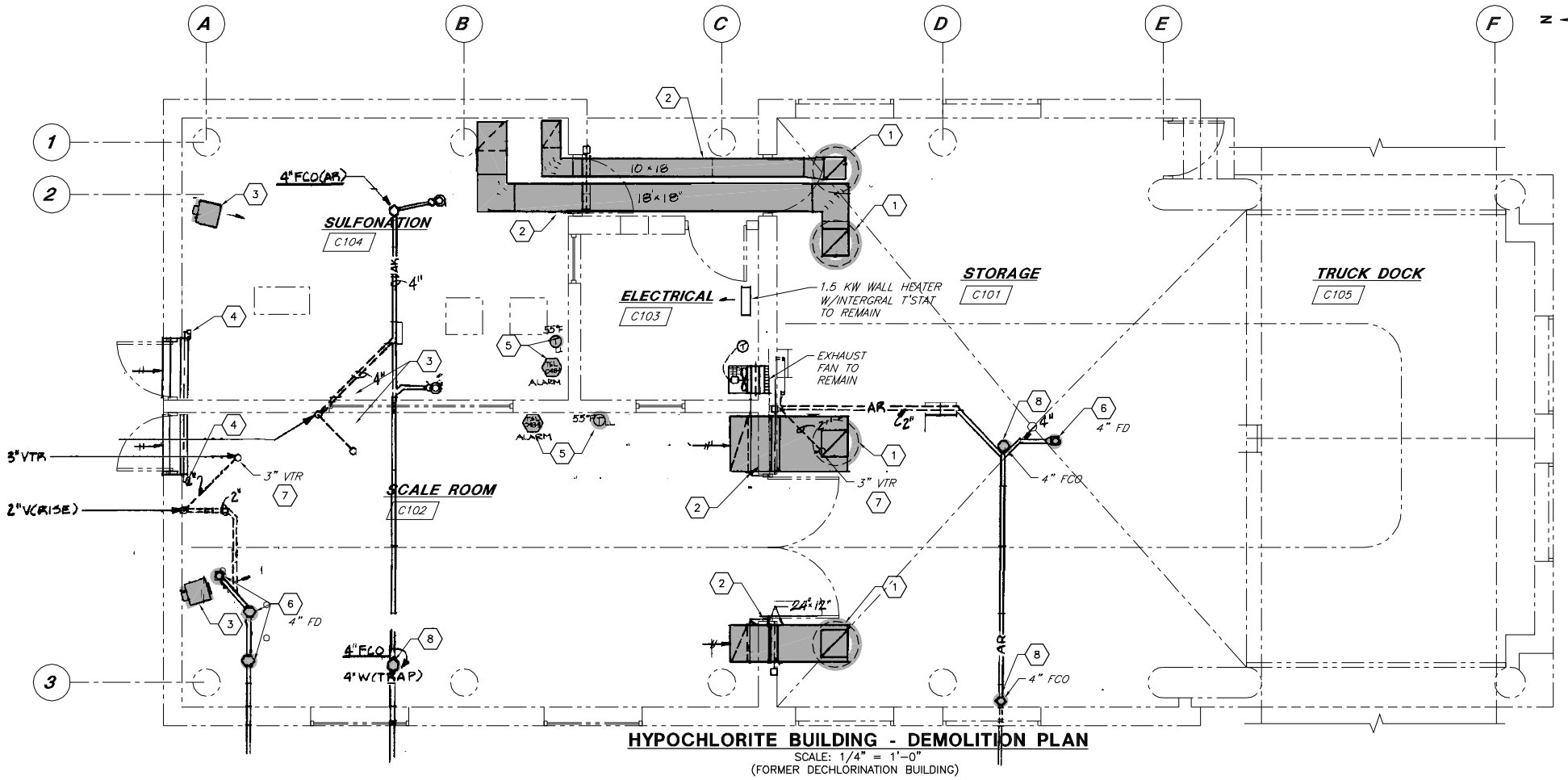
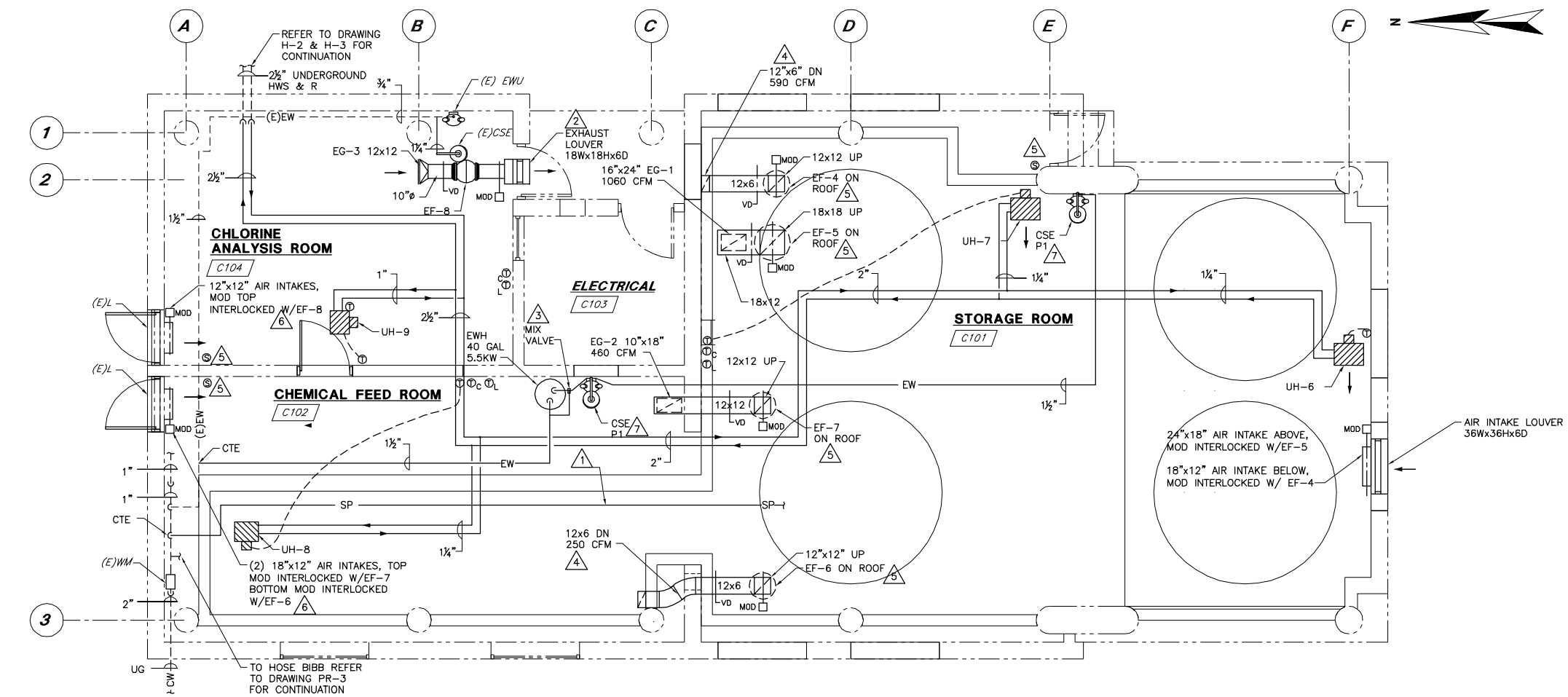


HYPOCHLORITE BUILDING - DEMOLITION PLAN

SCALE: 1/4" = 1'-0"
(FORMER DECHLORINATION BUILDING)



HYPOCHLORITE BUILDING - MODIFICATION PLAN

SCALE: 1/4" = 1'-0"
(FORMER DECHLORINATION BUILDING)

DEMOLITION NOTES:

1. REMOVE EXISTING ROOF FANS AND ASSOCIATED ROOF CURBS.
2. REMOVE DUCTWORK AND ACCESSORIES.
3. REMOVE ELECTRIC UNIT HEATERS AND ASSOCIATED POWER SUPPLY BACK TO SOURCE.
4. REMOVE MOTOR OPERATED DAMPERS.
5. REMOVE LOW LIMIT TEMPERATURE THERMOSTAT AND ASSOCIATED ALARM.
6. REMOVE EXISTING FLOOR DRAIN & CAP. COVER THE CAP WITH A MINIMUM OF 2 INCHES OF NON-SHRINK GROUT FLUSH WITH FLOOR
7. REMOVE VENT LINE FROM ROOF TO A POINT JUST BELOW THE CONCRETE FLOOR SLAB, PATCH THE ROOF TO MATCH EXISTING AND CAP THE VENT BELOW THE CONCRETE. COVER CAP WITH A MINIMUM OF 2 INCHES OF NON-SHRINK GROUT FLUSH WITH FLOOR.
8. REMOVE THE EXISTING CLEAN OUTS & CAP. COVER THE CAP WITH A MINIMUM OF 2 INCHES OF NON-SHRINK GROUT FLUSH WITH FLOOR

MODIFICATION NOTES:

1. PROVIDE A LIMITED AREA WET SPRINKLER SYSTEM SERVING THE CHEMICAL FEED ROOM AND STORAGE ROOM. DESIGN FOR LIGHT HAZARD COVERAGE. INTERLOCK THE FLOW SWITCH WITH THE CHLORINE CONTROL PANEL.
2. LOCATE ALL LOUVERS AS HIGH AS POSSIBLE.
3. INSTALL A EMERGENCY MIXING VALVE ON THE OUTLET FROM THE ELECTRIC HOT WATER HEATER. SET SUPPLY TEMPERATURE @ 70°F. LEONARD MODEL TM 850 WITH TEMPERATURE OVERRIDE PROTECTION.
4. RUN DUCT DOWN ON WALL INSIDE CONTAINMENT TO 18 INCHES ABOVE THE CONCRETE FLOOR. INCREASE THE OPENING AREA BY 50% AND COVER WITH ½ INCH ALUMINUM MESH SCREEN WITH REMOVABLE FRAME.
5. INSTALL NEW FANS AND NEW ROOF CURBS OVER THE EXISTING ROOF CURBS. PROVIDE A WEATHER TIGHT ALUMINUM TRANSITION PIECE BETWEEN CURBS. SUBMIT SHOP DRAWINGS OF THE TRANSITION PIECE FOR REVIEW.
6. BLANK OFF EXISTING LOUVER AS REQUIRED AND INSTALL NEW DAMPER MOTOR.
7. COMBINATION SHOWER & EYEWASH STATION, HAWS 8300 SERIES OR EQUAL. PROVIDE AN INLINE FLOW SWITCH. THE FLOW SWITCH SHALL BE CONNECTED TO THE CHLORINE CONTROL PANEL.
8. FILED VERIFY THE LOCATION OF THE EXSITING LIGHT SWITCHES & CIRCUITS. INTERLOCK CIRCUITS WITH FANS AS INDICATED IN THE SEQUENCE OF OPERATIONS ON DRAWING H-3.

GENERAL NOTES:

1. ALL DUCTWORK AND ACCESSORIES SHALL BE ALUMINUM UNLESS OTHERWISE NOTED.
2. ALL T'STATS SHALL HAVE NEMA 4 ENCLOSURES.
3. ALL ACT DEVICES SHALL HAVE NEMA 4X ENCLOSURES
4. ALL LOUVERS AND GRILLS SHALL BE ALUMINUM.
5. ALL MOTOR OPERATED DAMPERS SHALL BE THE INSULATED TYPE.
6. INSULATE DUCTWORK 12 INCHES BEYOND THE MOD ON ALL INTAKE & EXHAUST. PROVIDE JACKET OVER INSULATION.
7. ALL FANS TO BE EQUIPED WITH LOCK DISCONNECTS FOR SERVICE.
8. PROVIDE ACCESS DOORS TO ALLOW INSPECTION OF DAMPERS.
9. THE OWNER SHALL PROVIDE THE PORTABLE FIRE EXTINGUISHER.
10. LOCATE AIR INTAKE AS HIGH AS POSSIBLE.

ABBREVIATIONS

AD	ACCESS DOOR
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROLS
BHP	BRAKE HORSE POWER
BLR	BOILER
BOD	BOTTOM OF DUCT
CP	CIRCULATING PUMP
C	COPPER PIPE
CSE	COMBINATION SHOWER/EYEWASH
CTE	CONNECT TO EXISTING
CW	CITY WATER
D	DEEP
(E)	EXISTING
EG	EXHAUST GRILLE
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EW	EMERGENCY WATER
EWU	EYE WASH UNIT
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
H	HEIGHT
HP	HORSE POWER
L	LOUVER
P	PROCESS
PW	POTABLE WATER
(R)	REMOVAL
SP	SPRINKLER PIPE
UG	UNDERGROUND
UH	ELECTRIC UNIT HEATER
VTR	VENT THRU ROOF
W	WIDTH
WM	WATER METER

SYMBOLS

- MOD — MOTOR OPERATED DAMPER (MOD)
- VD — VOLUME DAMPER
- T — HEAT THERMOSTAT
- T_C — COOLING ONLY THERMOSTAT
- T_L — SPACE LOW TEMP ALARM THERMOSTAT
- S — LIGHT SWITCH

PROGRESS PRINTS
ISSUED FOR REVIEW: 12-15-04
ISSUED FOR BIDDING: 2-18-05

VAULT LOCATION: FF 34
LAST WORKED ON:

FILENAME:

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			

DRAWN BY BAO/CJB
CHECKED BY GPO/PFB
DATE 2-18-05
APPROVED BY GPO/PFB
DATE 2-18-05
BOOK NO. –
PROJECT NO. 103011C
SCALE AS NOTED

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PORTLAND, MAINE
EAST END WWTF DISINFECTION AND DECHLORINATION SYSTEMS UPGRADE

HYPOCHLORITE BUILDING PLANS AND SCHEDULES

DWG H-1
18 OF 33

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