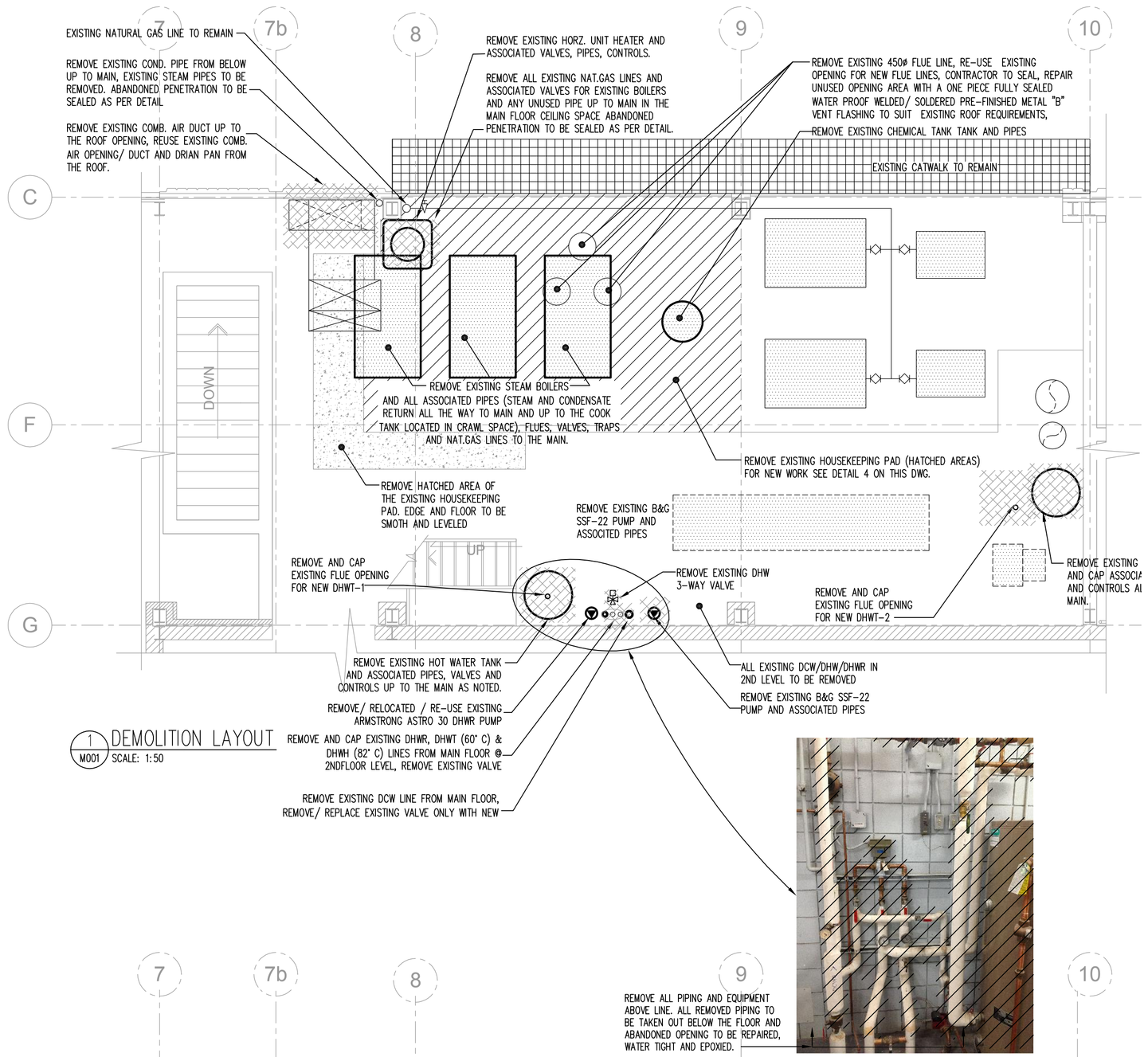
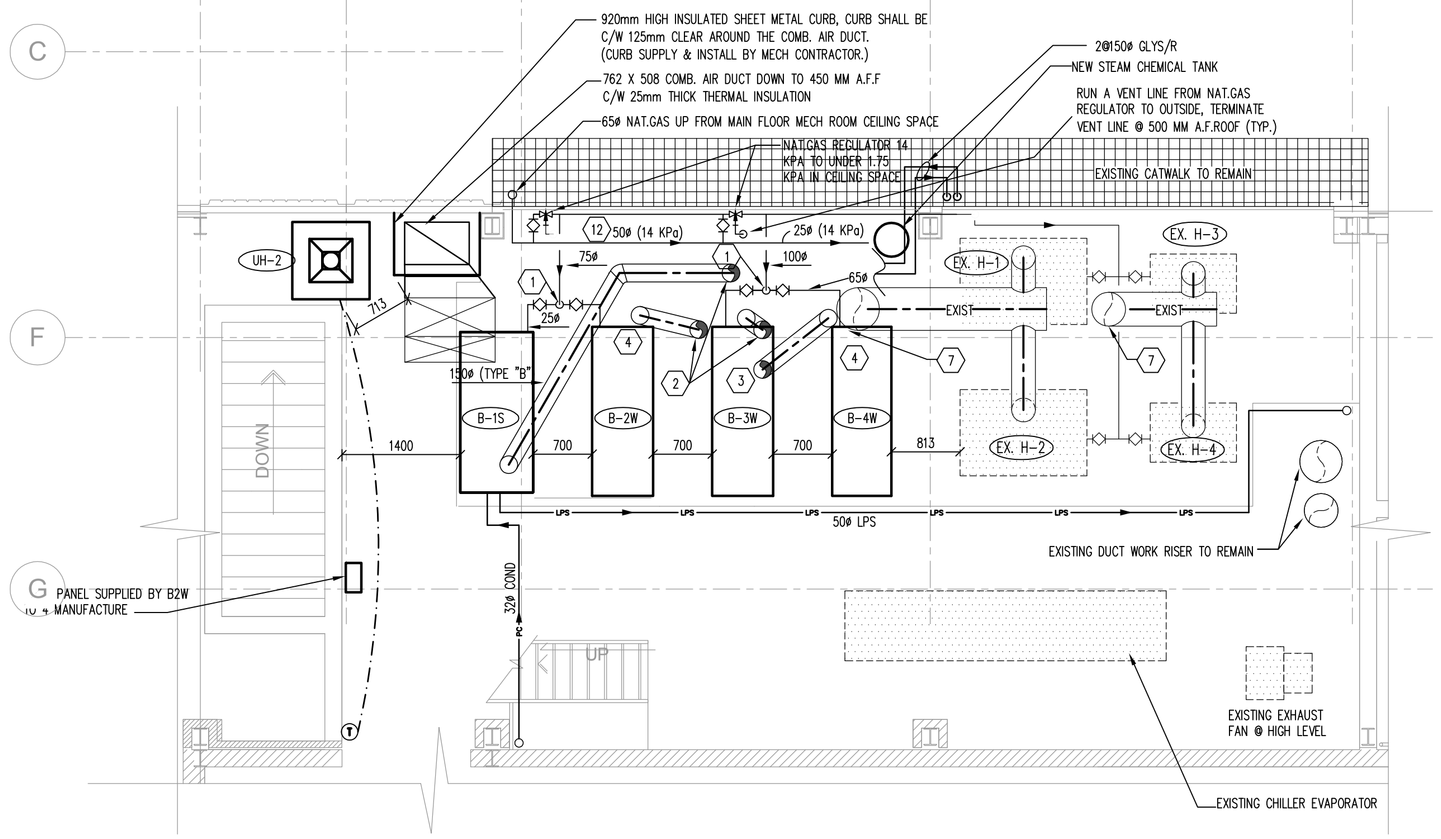
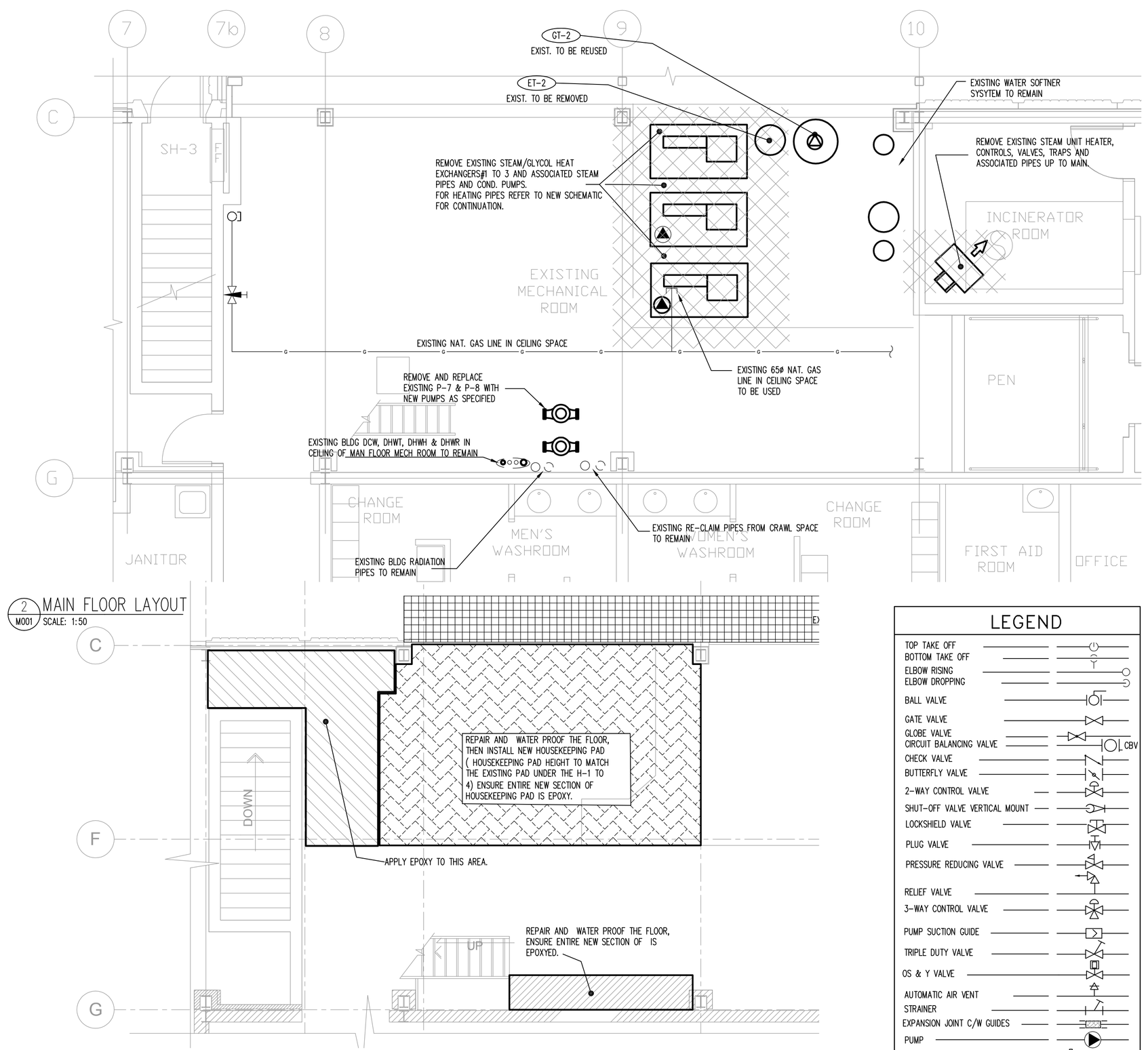


1 DEMOLITION LAYOUT
M001 SCALE: 1:50

REMOVE ALL PIPING AND EQUIPMENT ABOVE LINE, ALL REMOVED PIPING TO BE TAKEN OUT BELOW THE FLOOR AND ABANDONED OPENING TO BE REPAIRED, WATER TIGHT AND EPOXIED.

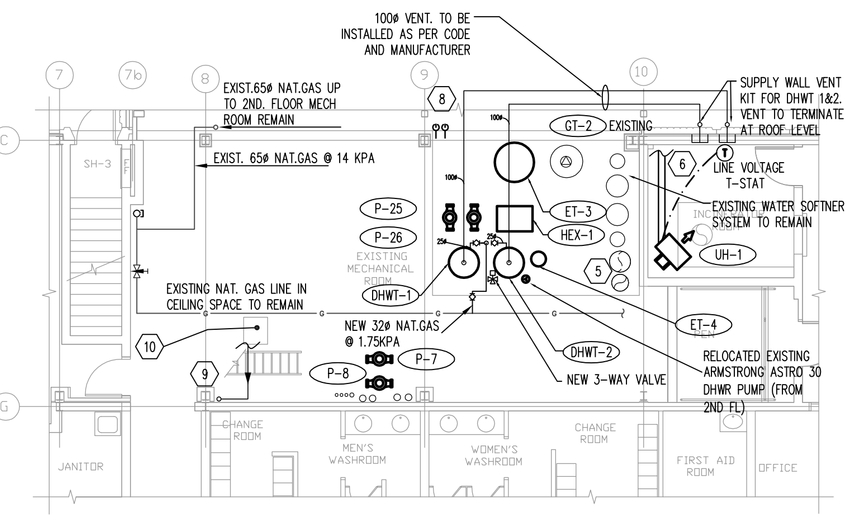


3 RENOVATION LAYOUT
M001 SCALE: 1:50



2 MAIN FLOOR LAYOUT
M001 SCALE: 1:50

4 AREA OF FLOOR REPAIR & EPOXY
M001 SCALE: 1:50



5 MAIN FLOOR LAYOUT
M001 SCALE: 1:100

GENERAL NOTES:

1. DROP NAT. GAS (1.75 KPA) DOWN TO FLOOR LEVEL, THEN RUN ON THE FLOOR C/W FLOOR HANGER.
2. RE-USE EXISTING FLUE OPENING, CAP UNUSED AREA AND REPAIR THE ROOF.
3. NEW FLUE LINE THROUGH NEW OPENING.
4. 200ø FLUE FROM B-2W, 3W OR 4W SUPPLIED BY BOILER SUPPLIER.
5. 50ø LPS STEAM LINE FROM 2ND FLOOR MECH ROOM DOWN TO CRAWL SPACE AND TO COOK TANK EXISTING HEX SYSTEM.
6. 2ø20ø GLWS/GLWR LINE FROM NEAREST HEATING (70° C) SYSTEM INSIDE THE NEW MECHANICAL ROOM.
7. EXISTING HUMIDIFIER COMBINED FLUE TO REMAIN
8. 2ø150ø MAIN GLYS/R HEATING LINES FROM HEATING SYSTEM
9. 32ø COND STEAM LINE FROM CRAWL SPACE UP TO 2ND FLOOR MECH ROOM.
10. REMOVE THE EXISTING CONDENSATE RETURN TANKS, PUMPS#P-5/6, ASSOCIATED PIPES, CONTROLS, VALVES IN THE CRAWL SPACE, ALSO INSTALL NEW FIRE RATED FLOOR ACCESS DOOR (ACCESS DOOR SHALL BE WATERTIGHT AND C/W SAFETY HOLDING ARM AND OPERABLE HINGE HANDLE ON BOTH SIDE) , SIZE OF THE ACCESS DOOR TO BE SAME AS EXISTING.
11. REMOVE EXISTING ET-2 AND RETURN TO CFIA.
12. RUN THE NAT. GAS LINE CLOSE TO U/S OF THE STRUCTURE.

LEGEND

TOP TAKE OFF	
BOTTOM TAKE OFF	
ELBOW RISING	
ELBOW DROPPING	
BALL VALVE	
GATE VALVE	
GLOBE VALVE	
CIRCUIT BALANCING VALVE	CBV
CHECK VALVE	
BUTTERFLY VALVE	
2-WAY CONTROL VALVE	
SHUT-OFF VALVE VERTICAL MOUNT	
LOCKSHIELD VALVE	
PLUG VALVE	
PRESSURE REDUCING VALVE	
RELIEF VALVE	
3-WAY CONTROL VALVE	
PUMP SUCTION GUIDE	
TRIPLE DUTY VALVE	
OS & Y VALVE	
AUTOMATIC AIR VENT	
STRAINER	
EXPANSION JOINT C/W GUIDES	
PUMP	
THERMOMETER / THERMOMETER WELL	
PRESSURE GAUGE / PRESSURE TAP	
FLOW METER / FLOW SWITCH	FM
UNION OR FLANGE	
GLYCOL HEATING SUPPLY (GLYS)	
GLYCOL HEATING RETURN (GLYR)	
SUPPLY DUCT (UP & DOWN)	
RETURN DUCT (UP & DOWN)	
EXHAUST DUCT (UP & DOWN)	
ROUND DUCT (UP & DOWN)	
FLEXIBLE DUCT CONNECTION	
EXHAUST,RETURN AIR DIFFUSER (CEILING TYPE)	
FIRE DAMPER OR SMOKE DAMPER	FD SD
MECHANICAL ITEMS TO BE REMOVED	
EXTERNAL LINED DUCTWORK	
FROM ABOVE	F.A.
SUPPLY AIR	S/A
OUTSIDE AIR	O/A
RETURN AIR	R/A
EXHAUST AIR	E/A

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SEAL:

CLIENT:
CFIA ACIA
CANADIAN FOOD INSPECTION AGENCY
AGENCE CANADIENNE D'INSPECTION DES ALIMENTS

CLIENT REF. #:

PROJECT:
CANADIAN FOOD INSPECTION AGENCY
BOILER REPLACEMENT
SASKATOON, SASKETCHEWAN

KEY PLAN:

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ISSUED FOR – REVISION:

IS	RE	DATE	DESCRIPTION
B	AJ	06.25.13	ISSUED (ONLY DWG M-001) "GENIVAR ADDME-1"
A	AJ	01.25.13	ISSUED FOR TENDER

PROJECT NO: CFIA / GENIVAR
L0683 / 121-26464
DATE: 2013-01-25
ORIGINAL SCALE: AS NOTED
DESIGNED BY: AJ
DRAWN BY: AJ
CHECKED BY: EL
IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE. 1"

DISCIPLINE: MECHANICAL

TITLE: PARTIAL MECHANICAL ROOM AND EQUIPMENT LAYOUT

SHEET NUMBER: M001
SHEET #: 1 OF 4

ISSUE: ISSUED FOR TENDER
DATE OF: JAN. 25, 2013
REV #: B