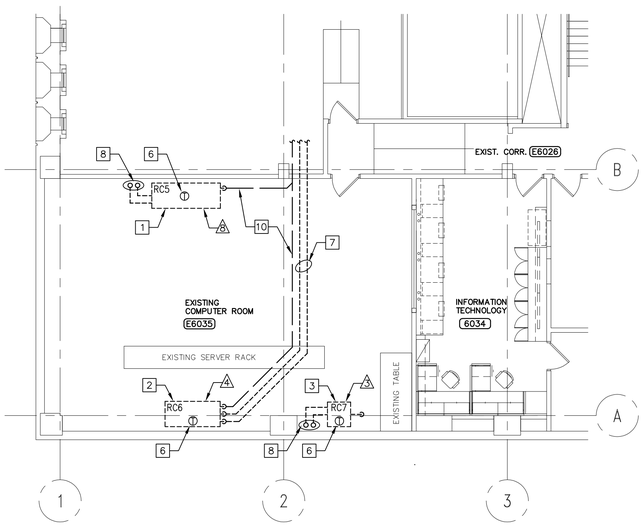
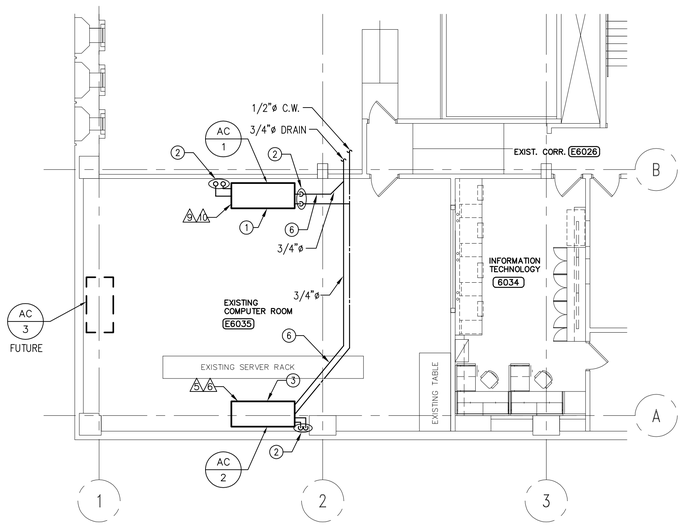


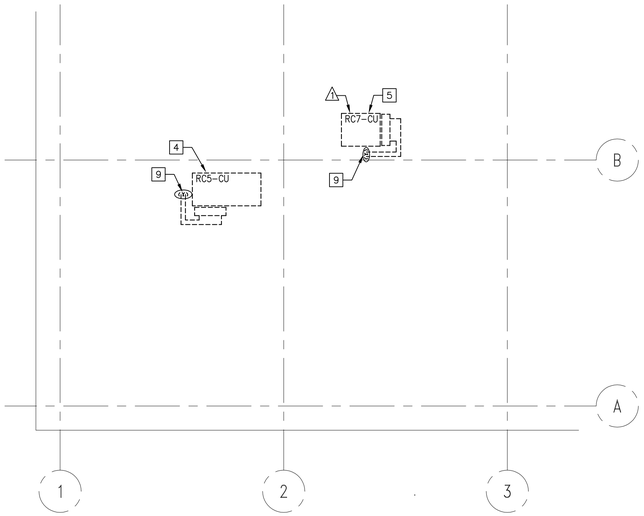
PARTIAL SIXTH FLOOR PLAN - DEMO MECHANICAL

SCALE: 1/8"=1'-0"



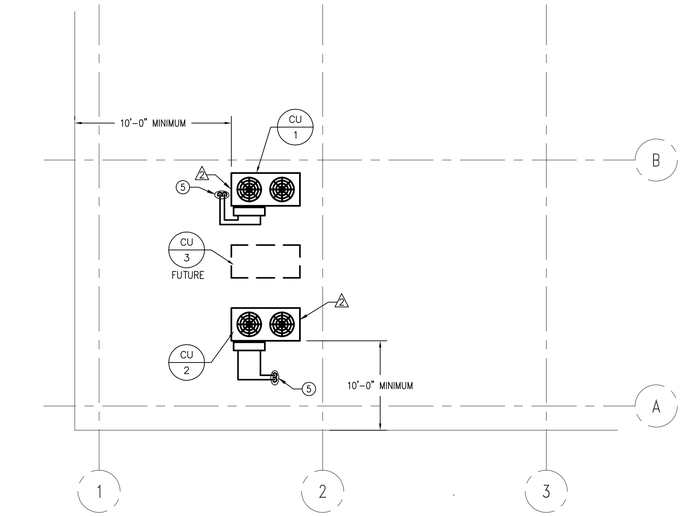
PARTIAL SIXTH FLOOR PLAN - NEW MECHANICAL

SCALE: 1/8"=1'-0"



PARTIAL ROOF PLAN - DEMO MECHANICAL

SCALE: 1/8"=1'-0"



PARTIAL ROOF PLAN - NEW MECHANICAL

SCALE: 1/8"=1'-0"

EXISTING DRAWING NOTES:

1. EXISTING MAIN AIR CONDITIONING UNIT# RC5, 15 TONS, AIR COOLED.
2. EXISTING BACK-UP AIR CONDITIONING UNIT# RC6, 13 TONS, WATER COOLED.
3. EXISTING AUXILLIARY AIR CONDITIONING UNIT# RC7, 5TON, AIR COOLED.
4. EXISTING CONDENSING UNIT ON ROOF SERVING UNIT# RC5.
5. EXISTING CONDENSING UNIT ON ROOF SERVING UNIT# RC7.
6. EXISTING TEMPERATURE SENSOR SUSPENDED ABOVE RETURN AIR (TYPICAL).
7. COLD WATER SUPPLY AND RETURN (DRAIN) LINES BELOW RAISED FLOOR TO EXISTING UNIT# RC6.
8. EXISTING REFRIGERANT LINES UP TO CONDENSING UNIT ON ROOF (TYPICAL).
9. EXISTING REFRIGERANT LINES DOWN TO AIR CONDITIONING UNIT ON 6TH FLOOR.
10. EXISTING CONDENSATE DRAIN LINE BELOW RAISED FLOOR.

SEQUENCE OF WORK: ⚠

1. REMOVE EXISTING CONDENSING UNIT# RC7-CU AND ALL ASSOCIATED PIPING.
2. HOIST NEW CONDENSING UNIT TO ROOF AND MOUNT AS PER DETAIL MD-1 AND MD-2 IN THE MECHANICAL SPEC. CONNECT TO ELECTRICAL, RUN NEW REFRIGERANT LINES DOWN TO 6TH FLOOR. PREPARE ALL ELECTRICAL AND MECHANICAL CONNECTIONS SUCH THAT NEW INTERIOR UNIT INSTALLATION TIME IN MINIMIZED.
3. REMOVE EXISTING AIR CONDITIONING UNIT# RC7 AND ALL ASSOCIATED PIPING.
4. REMOVE EXISTING AIR CONDITIONING UNIT# RC6 AND ALL ASSOCIATED PIPING.
5. MOVE INTO PLACE AND INSTALL NEW AIR CONDITIONING UNIT AC-2, CONNECT TO PIPING UP TO CU-2, CONNECT CONDENSATE DRAIN TO EXISTING DRAIN LINE UNDER RAISED FLOOR.
6. START UP AC-2 AND ENSURE PROPER OPERATION.
7. REMOVE EXISTING CONDENSING UNIT# RC5-CU AND ALL ASSOCIATED PIPING.
8. REMOVE EXISTING AIR CONDITIONING UNIT#RC5 AND ALL ASSOCIATED PIPING.
9. MOVE INTO PLACE AND INSTALL NEW AIR CONDITIONING UNIT AC-1, CONNECT TO PIPING UP TO CU-1, CONNECT CONDENSATE DRAIN TO EXISTING DRAIN LINE UNDER RAISED FLOOR.
10. START UP AC-1 AND ENSURE PROPER OPERATION.

NEW DRAWING NOTES:

1. NEW AIR CONDITIONING UNIT AC-1 IN 6TH FLOOR COMPUTER ROOM. REFER TO GENERAL NOTES & MECHANICAL SPECIFICATIONS FOR DETAILS.
2. CONNECT NEW ½"ø LIQUID, ⅝"ø SUCTION, ¼"ø C.W. AND ¾"ø CONDENSATE DRAIN LINES AS SHOWN.
3. NEW AIR CONDITIONING UNIT AC-2 IN 6TH FLOOR COMPUTER ROOM. REFER TO GENERAL NOTES & MECHANICAL SPECIFICATIONS FOR DETAILS.
4. CONNECT NEW ½"ø LIQUID, ⅝"ø SUCTION, ¼"ø C.W. AND ¾"ø CONDENSATE DRAIN LINES AS SHOWN.
5. ½"ø LIQUID, ⅜"ø SUCTION LINES THRU ROOF (TYPICAL).
6. NEW ¾"ø CONDENSATE DRAIN LINE BELOW RAISED FLOOR.

GENERAL NOTES:

1. AC-1 & AC-2
   LIEBERT MODEL DSO35AUBOE1 AIR CONDITIONING UNIT:
   120 MBH TOTAL CAPACITY, 103 MBH SENSIBLE CPACITY, 5500 CFM
   C/W OPTIONAL 12" FLOOR STAND AND INFRARED HUMIDIFIER.
2. CU-1 & CU-2:
   LEE-TEMP LOW-AMBIENT KIT
3. ALL ITEMS SHOWN HIDDEN LINETYPE ON DEMO PLAN TO BE REMOVED.
4. REFER TO MECHANICAL SPECIFICATIONS FOR PIPING AND EQUIPMENT MOUNTING DETAILS.

LEGEND:

- EXISTING
- NEW
- EXISTING TO BE REMOVED
- FUTURE

No.	Revisions	By	Date
1	ISSUED FOR TENDER	DS	6/28/05
0	ISSUED FOR CLIENT REVIEW	DS	6/3/05

PROVINCE OF MANITOBA
H. J. WAEDT
REGISTERED PROFESSIONAL ENGINEER

APEGM
Certificate of Authorization
SMS Engineering Ltd.
No. 166 Expiry: April 30, 2006

SMS ENGINEERING
SMS Engineering Ltd. Consulting Engineers
770 Bradford Street Winnipeg MB Canada R3H 0N3
Telephone 204.775.0291 Fax 204.772.2153
sms@smseng.mb.ca

REVIEWED AND APPROVED BY CITY OF WINNIPEG.

Project Title

THE CITY OF WINNIPEG
COMPUTER ROOM COOLING UPGRADE
151 PRINCESS ST. WINNIPEG, MB

Drawing Title

151 PRINCESS ST.
SIXTH FLOOR COMPUTER ROOM
AIR CONDITIONING UPGRADE

Drawn By	Checked By	Approved By
RNS	DAS	HJW
Scale: AS NOTED	Date: JUNE 2005	File No.: 04-169-01
Revision Number: 1	Drawing Number: M-1	OF 1