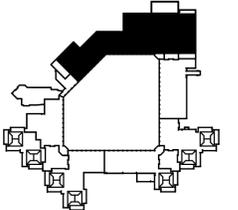




KEY PLAN



Association of Professional Engineers & Geoscientists of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
 WSP Canada Inc.  
 Number C0688  
 Permission to Consult held by:  
 Discipline: MECHANICAL 9159

0	ISSUED FOR TENDER	17/09/13
revisions	description	date

**PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**  
 SASKATOON SASKATCHEWAN

project title  
**SASKATOON, SK REGIONAL PSYCHIATRIC CENTRE**  
**ROOFTOP AIR HANDLING UNITS REPLACEMENT**

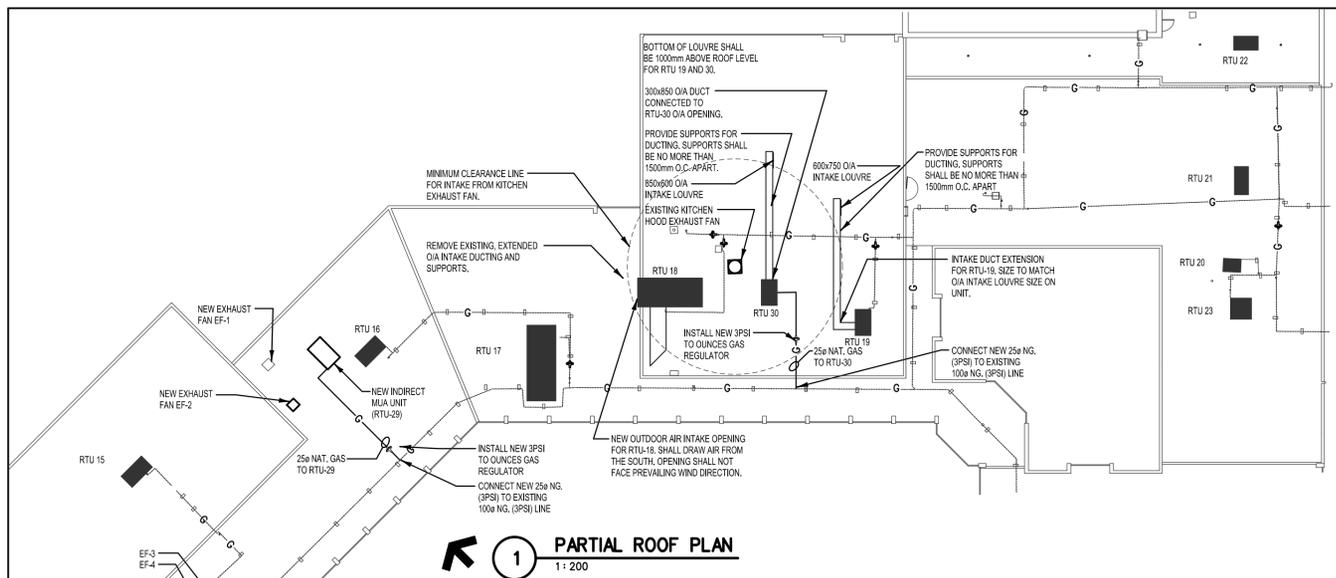
approved by  
**BND**  
 designed by  
**BP**  
 drawn by  
**ML/MB**  
 PWGSC Project Manager

PWGSC, Architectural and Engineering Resources Manager

client  
**CORRECTIONAL SERVICE CANADA**

drawing title  
**MECHANICAL**  
**ROOFTOP UNIT PLANS & SECTIONS**

project no.	sheet	revision no.
R.079699.001	M2.4	0

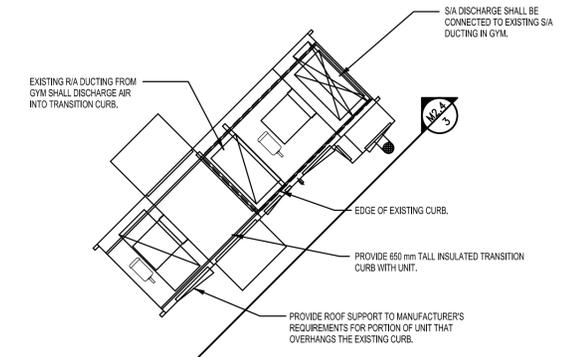


**1 PARTIAL ROOF PLAN**  
 1:200

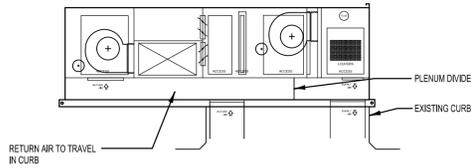
- NOTES:
- ALL EXISTING ROOFTOP UNIT ROOF CURBS TO REMAIN. NEW REPLACEMENT ROOFTOP UNITS SHALL BE MANUFACTURED TO BE MOUNTED ON EXISTING CURBS. VERIFY DIMENSIONS OF CURBS AND ROOF OPENINGS PRIOR TO ORDERING UNITS. SUPPLY TRANSITION CURBS AS REQUIRED. MAXIMUM HEIGHT OF CURBS SHALL BE 600mm.
  - ALL DISTRIBUTION DUCTWORK SHALL REMAIN AS IS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. EXISTING SUPPLY AND RETURN DUCTWORK TO BE DISCONNECTED FROM EXISTING ROOFTOP UNITS. VERIFY ALL ZONE DUCTWORK SIZES AND QUANTITIES BEFORE ORDERING NEW UNITS. RECONNECT ALL SUPPLY AND RETURN DUCTWORK TO NEW ROOFTOP UNITS ONCE INSTALLED. MAKE ALL MODIFICATIONS REQUIRED BY SITE CONDITIONS TO MAKE CONNECTIONS.
  - DISCONNECT ALL NATURAL GAS, ELECTRICAL AND CONTROL WIRING. RECONNECT ALL UTILITIES INCLUDING CONTROLS TO NEW UNITS. ENSURE NEW UNIT CONTROL COMPONENTS ARE COMPATIBLE WITH THE EXISTING BUILDING CONTROL SYSTEM.
  - DISCHARGE HEAD OF ALL MULTI-ZONE UNITS TO HAVE THE SAME SIZE AND NUMBER OF DISCHARGE OPENINGS AS THE EXISTING UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION AND RECONNECTION OF MD DAMPERS TO MATCH AND MAINTAIN EXISTING ZONES.
  - RTU 19, RTU 20, RTU 21, RTU 22, RTU 23 REPLACEMENT UNITS TO MATCH EXISTING UNITS CAPACITIES. PROVIDE TRANSITION CURBS AS REQUIRED TO RE-USE EXISTING CURBS AND ROOF OPENINGS.
  - RTU 29 AND RTU 30 TO COME ON NEW ROOF CURBS. CURBS SHALL BE 610mm TALL AND SUITED TO NEW UNIT. ROOFING SHALL BE MODIFIED TO MATCH EXISTING USING ONLY COMPARABLE PRODUCTS AND METHODS BY CAPABLE ROOFING CONTRACTOR. NEW ROOF CURB INSTALLATION SHALL MATCH OR EXCEED INSTALLATION QUALITY OF OTHER CURBS ON SITE. REFER TO MANUFACTURER'S INSTALLATION DETAILS.

REUSE EXISTING ROOF CURBS FROM EXISTING EXHAUST DISCHARGE CAPS. COORDINATE EXACT SIZE ON SITE. PROVIDE TRANSITION CURB IF REQUIRED.

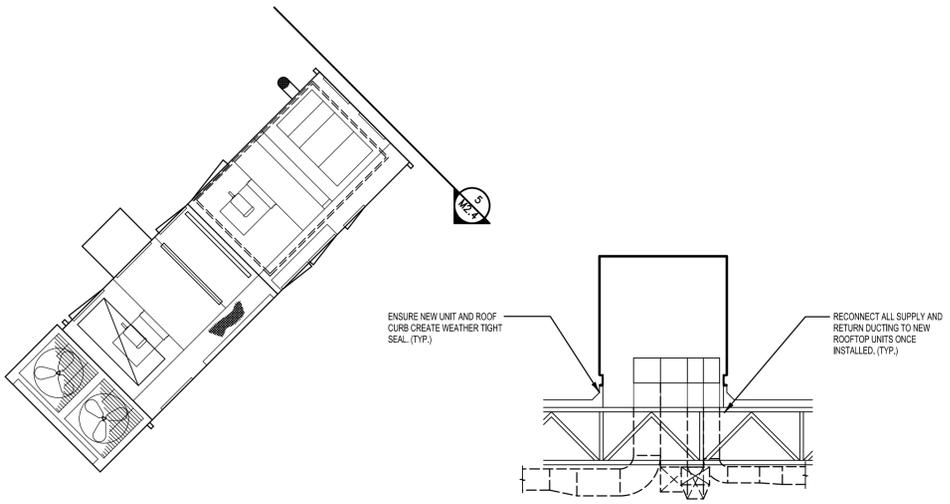
**NOTE:**  
 THIS DRAWING IS DUPLICATED FROM A SET OF RECORD DRAWINGS DATED SEPTEMBER 2000. ANY REVISIONS SINCE THIS DATE ARE NOT NECESSARILY INDICATED ON THESE DRAWINGS.  
 MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM DUCT CONNECTIONS TO ZONE DAMPERS IN UNITS. NEW UNITS SHALL MATCH EXISTING UNIT ZONE DAMPER QUANTITY AND LOCATIONS UNLESS INDICATED OTHERWISE.  
 FIELD LOCATE AND VERIFY EXISTING SERVICES BEFORE INSTALLATION.



**2 RTU 15 PLAN-SINGLE ZONE**  
 1:50

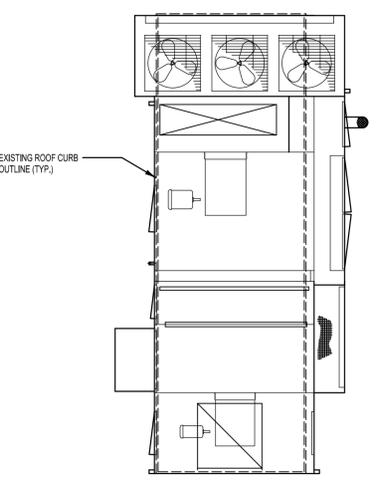


**3 RTU 15 SECTION**  
 1:50

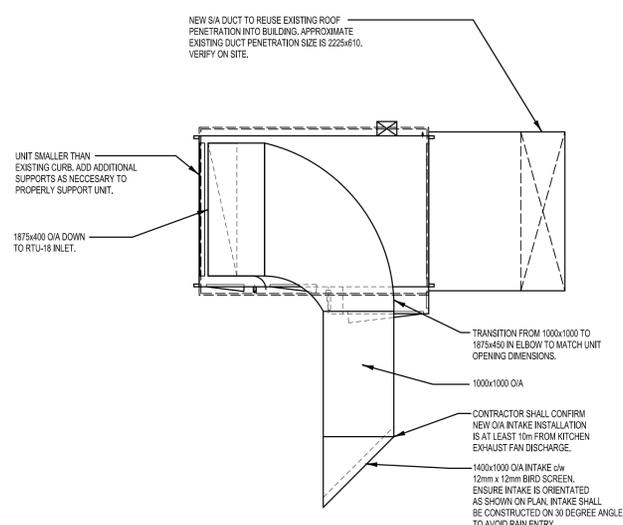


**4 RTU 16 PLAN-MULTIZONE**  
 1:50

**5 RTU 16 SECTION**  
 1:50



**6 RTU 17 PLAN-SINGLE ZONE**  
 1:50



**7 RTU 18 PLAN-SINGLE ZONE**  
 1:50

