



ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF SASKATCHEWAN
 CERTIFICATE OF AUTHORIZATION
 ASSOCIATED ENGINEERING (SASK.) LTD.
 NUMBER C116
 PERMISSION TO CONSULT HELD BY:
 ORIGINAL: G.S. SARAZIN, 14789
 13 06 14
 STRUCTURAL 10020 C. HOLMES

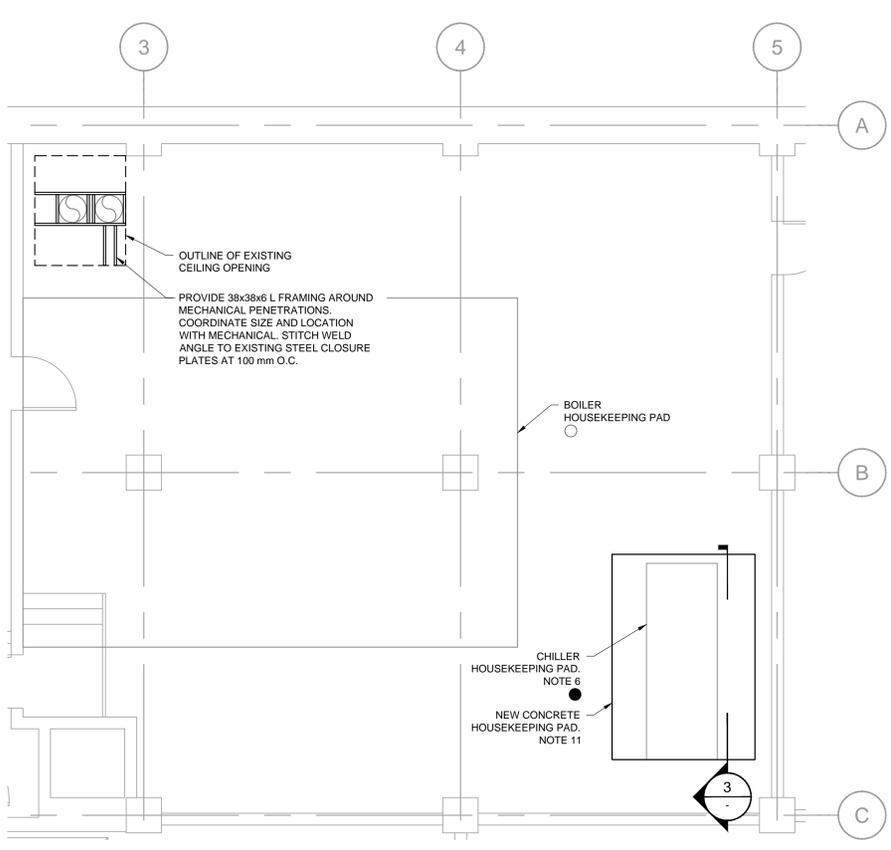
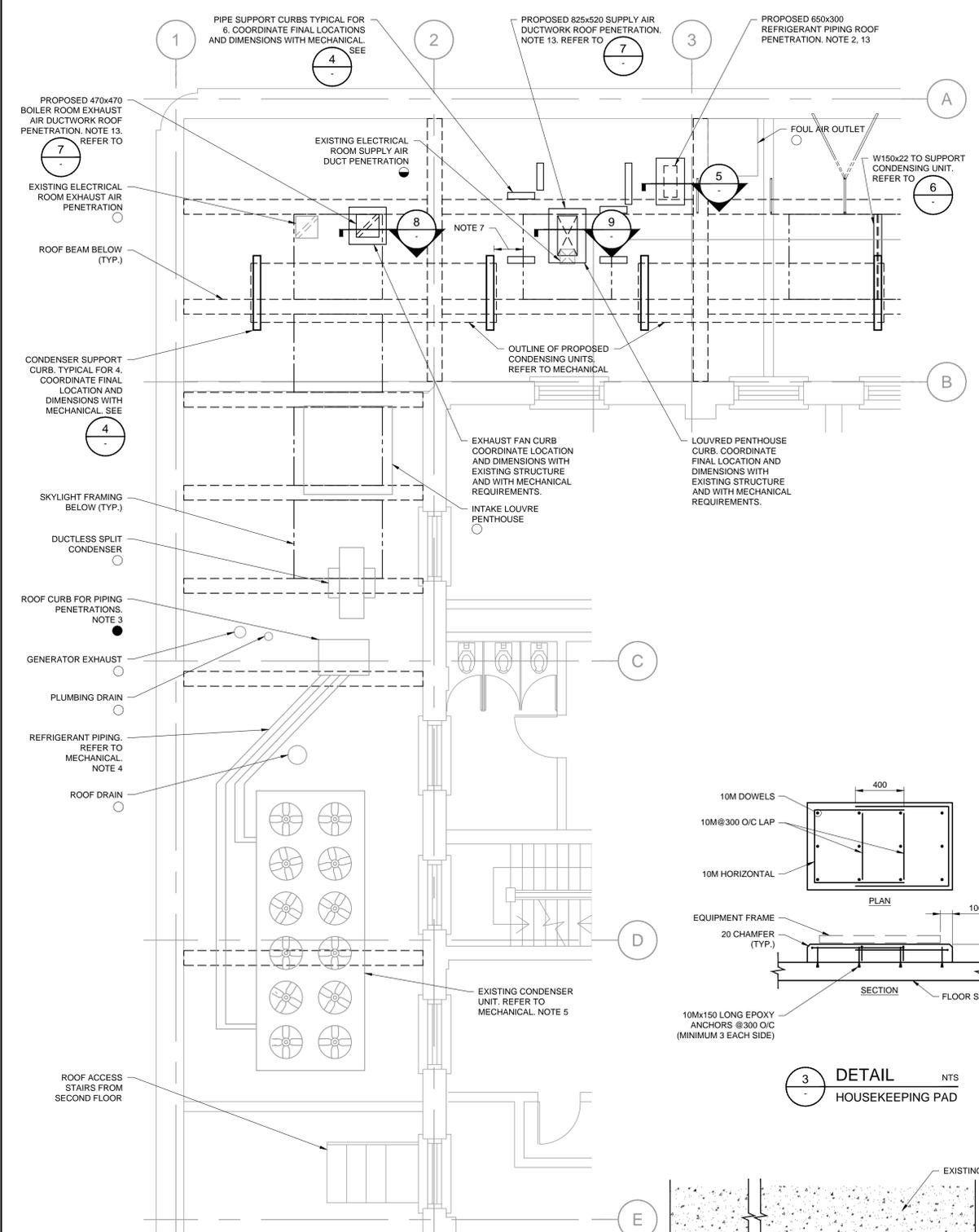


NOTES

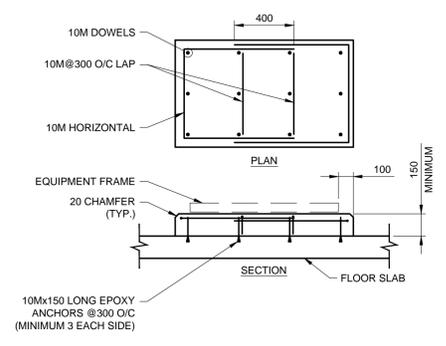
- PATCH AND MAKE GOOD ALL EXISTING BUILDING ELEMENTS THAT HAVE BEEN MODIFIED OR COMPROMISED BY THE WORK INCLUDED IN THIS PROJECT.
- CUT OPENING IN ROOF MEMBRANE TO SUIT CURB AND ROOF REPAIR REQUIREMENTS. MAKE OPENINGS THROUGH EXISTING CONCRETE ROOF SLAB BY CORING EACH END OF OPENING THEN SAW CUT EACH SIDE. CONSTRUCT ROOF CURB FOR PIPING PENETRATIONS. COORDINATE WITH MECHANICAL.
- REMOVE CURB AND CAP. PATCH RESULTING ROOF OPENING.
- REMOVE REFRIGERANT PIPING SUPPORTS. PATCH AND MAKE GOOD ROOFING MATERIAL EXPOSED BY REMOVAL OF PIPE SUPPORTS.
- REMOVE CONDENSER CURB AND SUPPORTS. PATCH AND MAKE GOOD BUILT-UP ROOFING EXPOSED BY REMOVAL OF CONDENSER. REMOVE EXISTING HOUSEKEEPING PAD COMPLETELY AND PREPARE SURFACE FOR NEW PAD.
- CONDENSER UNIT SUPPORT CURB TO BE MINIMUM OF 600 mm FROM UNSUPPORTED EDGE OF EXISTING OPENINGS. TYPICAL FOR 4.
- ROOFING SYSTEM TRANSITIONS FROM CONVENTIONAL BUILT-UP ASPHALT AND GRAVEL BALLAST ROOFING TO MODIFIED BITUMEN ROOFING (MBR) AT EXPANSION CURBS. MBR ROOFING IS INSTALLED BETWEEN LINES B AND D.
- ALL NEW ROOF CURBS AND ALL ROOFING REPAIRS ARE TO CONFORM WITH CANADIAN ROOFING CONTRACTOR'S ASSOCIATION (CRCA) ROOFING SPECIFICATIONS MANUAL.
- ROOF IS TO BE PATCHED WITH SIMILAR TYPE CONSTRUCTION. PROPOSED ROOF PATCHING SYSTEM:
 - VAPOUR RETARDER
 - ROOF INSULATION
 - COVER BOARD (AS REQUIRED)
 - BUILT-UP ROOFING MEMBRANE (2 OR 4 PLY)
 - AGGREGATE SURFACING (AS REQUIRED)
 CONTRACTOR TO NOTIFY ENGINEER IN WRITING IF EXISTING ROOF IS DIFFERENT THAN SYSTEM LISTED ABOVE.
- COORDINATE FINAL LOCATION AND DIMENSIONS OF CONCRETE PAD WITH MECHANICAL. ADJUST LAYOUT AND ANCHORAGE TO SUIT EQUIPMENT REQUIREMENTS.
- SET REFRIGERANT PIPING ELEVATION TO SUIT CONDENSER PIPING CONNECTION. MINIMUM 610 mm.
- ROOF PENETRATION DIMENSIONS ARE FINISHED SIZES ONLY.
- ALL FLASHINGS TO BE PRE-FINISHED BARRIER SERIES 10000 STANDARD COLOUR TO BE SELECTED AT SHOP DRAWING SUBMISSION.

DEMOLITION LEGEND

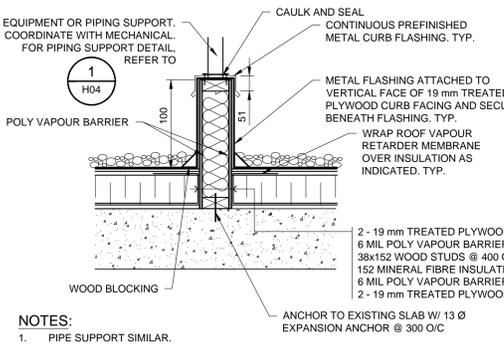
- EXISTING TO REMAIN
- ◐ EXISTING TO BE MODIFIED
- EXISTING TO BE REMOVED



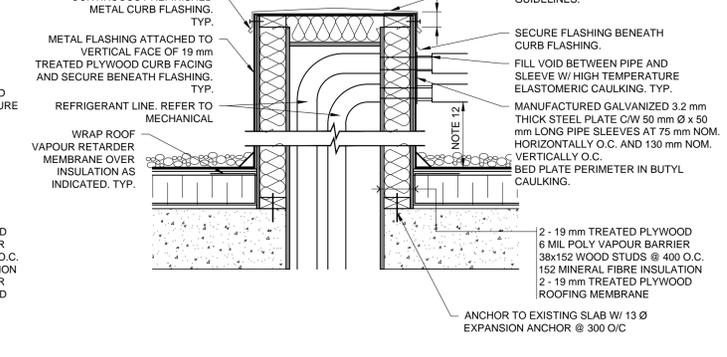
2 PLAN 1:50
 BOILER ROOM



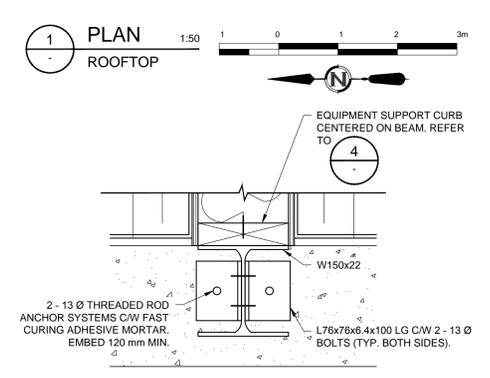
3 DETAIL NTS
 HOUSEKEEPING PAD



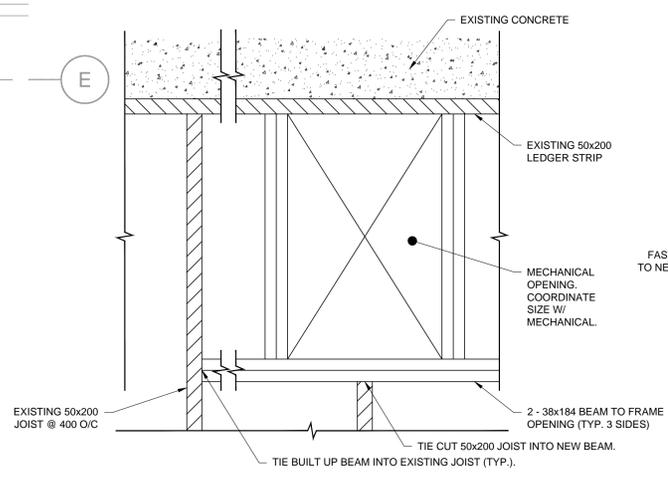
4 DETAIL NTS
 EQUIPMENT SUPPORT CURB



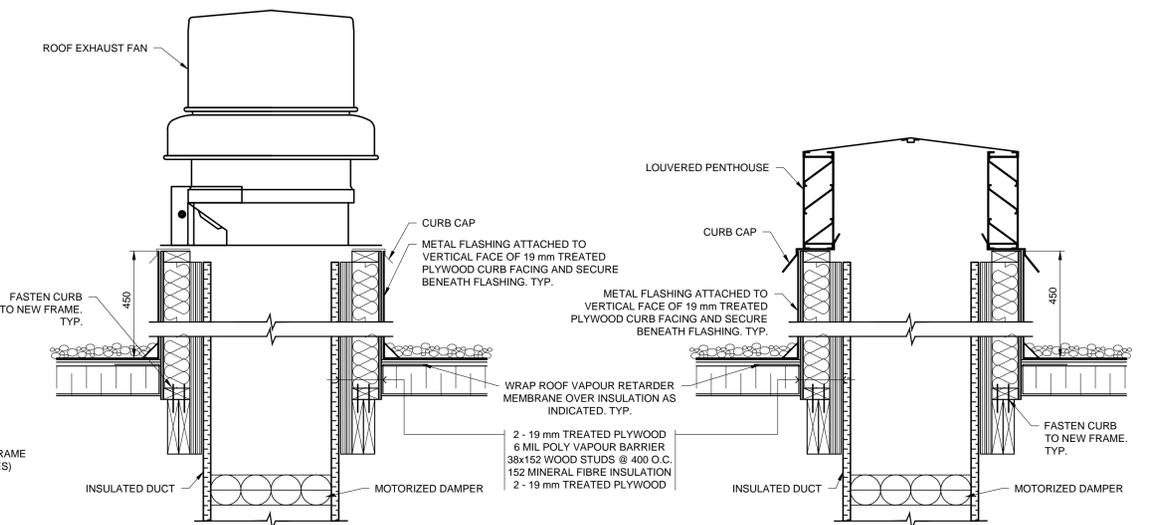
5 DETAIL NTS
 ROOF PENETRATION



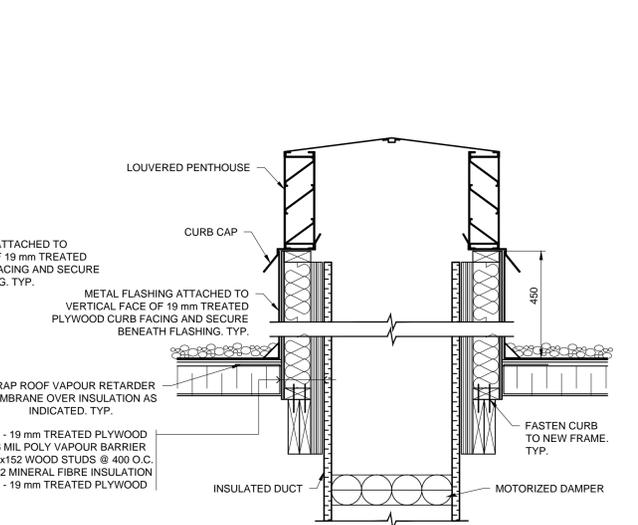
1 DETAIL 1:5
 SKYLIGHT CURB SUPPORT



7 DETAIL NTS
 DUCT PENETRATION



8 DETAIL 1:10
 EXHAUST FAN CURB



9 DETAIL 1:10
 LOUVERED PENTHOUSE CURB

REVISIONS	DESCRIPTION	DATE
0	ISSUED FOR TENDER	14/JUN/2013

A detail number number du detail
 B source drawing no. de dessin no.

**CHILLER REPLACEMENT
 GOC BUILDING**

PLANS AND DETAILS

designed by G. SARAZIN / conceu par
 drawn by K. ERKER / dessiné par
 approved by M. AKISTER / approuvé par
 PWSC Project Manager / Administrateur de Projets TPSC
 DAVE CHERKEWICH
 scale AS NOTED / échelle sheet / feuille
 project no. R.058058.001 / projet no. S01
 date 14/JUN/2013 / date 1 OF 7