

KEY PLAN  
PLAN-REPÈRE

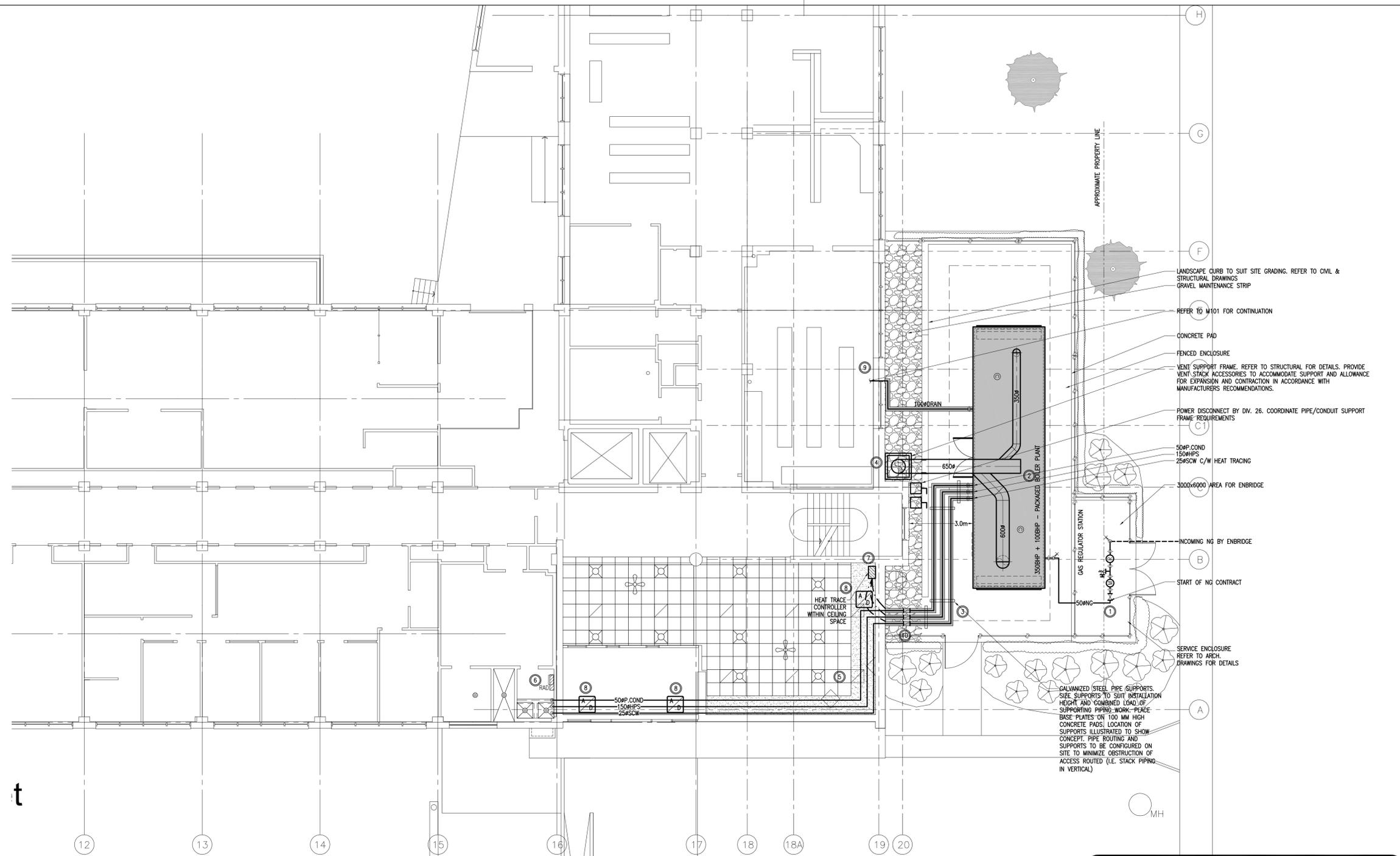
revision	date
05	ISSUED FOR TENDER 2014/12/10
04	ISSUED FOR REVIEW 2014/10/09
03	ISSUED FOR 99% REVIEW 2014/07/14
02	ISSUED FOR 66% REVIEW 2014/05/30
01	ISSUED FOR 33% REVIEW 2014/02/28

A	A detail no. / no. du détail
B	B location drawing no. / no. de localisation
C	C drawing no. / no. du dessin

project 555/601/615 BOOTH  
STAND ALONE  
HEATING PLANT

drawing 555 BOOTH  
FIRST FLOOR  
MECHANICAL WORK

designed	R. LEONARD	conçu
date	2014/01/22	
drawn	S. VALLIER	dessiné
date	2014/01/22	
revised	R. LEONARD	révisé
date	2014/01/22	
approved	R. LEONARD	approuvé
date	2014/01/22	
tender	C. CAMPBELL	soumission
PWC Project Manager	Administrateur de projets TPC	
project no.	R.060128.002	no. du projet
drawing no.	M102	no. du dessin



FIRST PART PLAN  
UTILITIES - NEW WORK  
1 M102 1:100

- DRAWING NOTES:**
- NEW 34.5KPA HIGH PRESSURE GAS REGULATOR STATION AND METER STATION PROVIDED BY ENBRIDGE. REFER TO ARCHITECTURAL DRAWINGS FOR PAD AND FENCE DETAILS. COORDINATE WITH ENBRIDGE TO VERIFY EXACT LOCATION, ROUTING, ENCLOSURE CONFIGURATION AND SITE PREP WORK TO ACCOMMODATE GAS SERVICE.
  - PROVIDE NEW PACKAGED BOILER PLANT AS DESCRIBED IN SPECIFICATIONS AND PLACE IN FENCED ENCLOSURE. REFER TO ARCHITECTURAL DRAWINGS FOR FENCED ENCLOSURE DETAILS. COORDINATE EXACT DIMENSIONS ON SITE TO ACCOMMODATE PACKAGED BOILER PLANT DIMENSIONS AND ASSOCIATED INSTALLATION REQUIREMENTS.
  - PROVIDE NEW 25SCW 150WHP, 100MP COND AND 50MP PIPING C/W VALVES, HEAT TRACING INSULATION AND ASSOCIATED SUPPORTS AS INDICATED. SLOPE STEAM PIPING EXTERIOR OF BUILDING (IN THIS CASE ONLY) AGAINST FLOW OF STEAM TO COLLECT CONDENSATE FROM OUTDOOR PIPING BACK AT HEADER WITHIN PACKAGED BOILER PLANT.
  - PROVIDE NEW VENTING AS INDICATED C/W ASSOCIATED SUPPORTS. VERIFY EXACT DIMENSIONS ON SITE AND IN ACCORDANCE WITH DRAFT CALCULATIONS REQUIRED BY PACKAGED BOILER. REFER TO M103 FOR VENT ROUTING AND STRUCTURAL DRAWINGS FOR SUPPORT FRAME AND BRACKET DETAILS FOR ATTACHMENT TO BUILDING.
  - RELOCATE EXISTING DIFFUSERS TO ACCOMMODATE NEW BULKHEADS REQUIRED TO CONCEAL PIPE WORK. REFER TO ARCHITECTURAL FOR BULKHEAD WORK.
  - EXTEND PIPING THROUGH WALL INTO EXISTING ROOM. PIPING TO BE ROUTED EXPOSED WITHIN ABANDONED SHOWER STALL AND ROUTED DOWN TO MECHANICAL ROOM BELOW. DISCONNECT ASSOCIATED C/W AND D/HW SERVICES AND ABANDON EXISTING FLOOR DRAIN (TYPICAL OF 2) IN PLACE. CAP SERVICES BELOW. FILL FLOOR DRAIN HUB WITH CONCRETE.
  - PROVIDE NEW HEAT TRACE CONTROLLER TO THREE (3) SELF REGULATING FREEZE PROTECTION HEAT TRACE LOOPS INDICATED. PROVIDE HEAT TRACING ON DRAIN PIPE FROM HEAT TRACE CONTROLLER WITHIN PACKAGED BOILER PLANT.
  - PROVIDE NEW 750x750 ACCESS DOORS TO PROVIDE ACCESS TO NEW WORK WITHIN GYPSUM CEILINGS.
  - PROVIDE 100P DRAIN PIPE C/W INSULATION AND HEAT TRACING. ROUTE THROUGH FOUNDATION WALL BELOW GRADE APPROXIMATELY 600 MM AND PENETRATE FOUNDATION WALL. PROVIDE WEATHER SEAL AROUND PIPE PENETRATION.
  - PROVIDE FLEXIBLE CONNECTION ON PIPING PASSING FROM BUILDING TO NEW ENCLOSURE AS INDICATED.