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Project Title:

INDIAN HEAD AAFC BUILDING B017 ADDITION

INDIAN HEAD, SASKATCHEWAN

Issue Record:

Revisions:

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Designed By: DJT Scale: AS INDICATED

Drawn By: JB Date: MAY 2015

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Date Plotted: 2015.06.15

RENOVATED PLUMBING PLAN

M6.2

PLUMBING GENERAL NOTES

- ALL PLUMBING LINES SHOWN SCHEMATICALLY.
- ALL WATER PIPING TO RUN EXPOSED. PAINT ALL EXPOSED PIPING AS PER BUILDING DESIGN. ALL SANITARY SEWER LINES TO RUN CONCEALED BELOW SLAB, WITHIN WALLS, OR WITHIN CEILING SPACE.
- ALL WATER LINES TO BE COVERED WITH 13mm (1/2") INSULATION AND CANVAS WRAPPED.
- ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- ALL PIPING TO FIXTURES AND EQUIPMENT TO RUN CONCEALED WHERE POSSIBLE.
- ALL WATER CONNECTIONS TO FIXTURES TO BE 13mm (1/2") UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR TO SUPPLY AND INSTALL PLUMBING VENTS, TRAP SEAL PRIMERS, CLEANOUTS, AND ISOLATION VALVES AS PER CODE.
- INSTALL ALL GAS FIRED EQUIPMENT AND PIPING IN ACCORDANCE WITH THE CANADIAN GAS CODE AND GAS UTILITY REQUIREMENTS.
- SOLDERS AND FLUXES HAVING A LEAD CONTENT IN EXCESS OF 0.2% SHALL NOT BE USED.
- PVC AND PLASTIC PIPING MAY BE USED WHERE PERMITTED BY CODE.
- ALL PLUMBING TO BE INSTALLED IN ACCORDANCE WITH THE CANADIAN PLUMBING CODE, PROVINCIAL PLUMBING CODES, AND MUNICIPAL BYLAWS.
- PROVIDE FIRESTOPS AT ALL PIPING THAT PASSES THROUGH FIRE SEPARATIONS.
- CO-ORDINATE LOCATION OF ALL EQUIPMENT WITH ELECTRICAL TO MAINTAIN 1 METER CLEARANCE IN FRONT OF ALL PANELS.
- ALL COMPRESSED AIR PIPING TO BE SCHEDULE 40 BLACK STEEL THREADED.

PLUMBING KEYNOTES

- EXISTING 2-COMPARTMENT SEPARATION PIT TO REMAIN.
- 75mm PLUMBING VENT UP FROM MAIN FLOOR CONCEALED IN WALL AND UP THRU ROOF. FLASH AND SEAL AT ROOF PENETRATION WEATHER TIGHT. SEE MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION.
- 13 COLD OR HOT WATER LINE DOWN TIGHT ALONG WALL TO 13 VALVED HOSE CONNECTION MOUNTED 1050mm ABOVE FLOOR.
- 25 BLACK STEEL SCHEDULE 40 COMPRESSED AIR DROP DOWN TIGHT AGAINST WALL/COLUMN TO COMPRESSED AIR QUICK CONNECT OUTLET. SEE DETAIL 3/M6.3. INSTALL AT 1050mm ABOVE FLOOR LEVEL. FILTER/OILER ON OUTLET BY OWNER.
- NEW 32mm GAS LINE CONTINUES ALONG U/S OF EXISTING SHOP ROOF BACK TO GAS METER (APPROXIMATELY 36.6m FROM GRID 5). CO-ORDINATE UPGRADE OF EXISTING GAS METER IF REQUIRED FOR AN ADDITIONAL GAS LOAD OF 8.5m³/HR AND A NEW TOTAL LOAD OF 28.3m³/HR.
- 38" PLUMBING VENT UP FROM BELOW SHOP FLOOR SLAB AND UP TIGHT ALONG WALL UP THRU ROOF. FLASH AND SEAL AT ROOF PENETRATION WEATHER TIGHT.
- CONNECT NEW 25 BLACK STEEL SCH 40 COMPRESSED AIR PIPE TO EXISTING RELOCATED AIR COMPRESSOR IN MEZZANINE.
- CUT FLOOR AND CONNECT NEW 100mm SANITARY SEWER LINE TO DIRTY SIDE OF EXISTING 2-COMPARTMENT SEPARATION PIT BELOW SLAB. PATCH FLOOR AND MAKE GOOD AND LEVEL TO EXISTING SURROUNDINGS.
- CUT FLOOR AND INSTALL NEW SANITARY SEWER LINE. PATCH FLOOR AND MAKE GOOD AND LEVEL TO EXISTING SURROUNDINGS AS REQUIRED.
- 13 COLD & HOT WATER LINES DOWN U/S OF ROOF CONCEALED IN WALL INTO LOWER MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION.
- 13 COLD & HOT WATER LINES DOWN U/S OF MEZZANINE CONCEALED IN WALL TO PLUMBING FIXTURE SEE MEZZANINE PLUMBING PLAN 2/M6.2 FOR CONTINUATION.
- 13" COLD & HOT WATER SUPPLIES DOWN FROM MEZZANINE CONCEALED IN WALL TO HOSEBIB CONNECTION TO CLOTHES WASHING MACHINE C/W VACUUM BREAKER 2" SANITARY SEWER STANDPIPE UP FROM BELOW FLOOR. CONCEAL WATER SUPPLIES & STANDPIPE WITHIN OATEY 387581 RECESSED WALL BOX.
- 75 PLUMBING VENT UP CONCEALED IN WALL TO MEZZANINE. SEE MEZZANINE PLAN 2/M6.2 FOR CONTINUATION.
- COMPRESSOR AIR LINE DOWN FROM U/S OF ROOF ALONG WALL TO RUN BELOW NEW MEZZANINE.
- 13 COLD & HOT WATER LINES DOWN FROM U/S OF ROOF ALONG WALL TO RUN BELOW NEW MEZZANINE.
- SEE MEZZANINE PLUMBING PLAN 2/M6.2 FOR CONTINUATION OF NEW COMPRESSED AIR LINE ALONG U/S OF ROOF.
- SEE MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION OF NEW COMPRESSED AIR ALONG U/S OF ROOF.
- SEE MEZZANINE PLUMBING PLAN 2/M6.2 FOR CONTINUATION OF NEW GAS LINE ALONG U/S OF ROOF.
- SEE MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION OF NEW GAS LINE ALONG U/S OF ROOF.
- SEE MEZZANINE PLUMBING PLAN 2/M6.2 FOR CONTINUATION OF NEW COLD & HOT WATER LINES ALONG U/S OF ROOF.
- SEE MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION OF NEW COLD & HOT WATER LINES ALONG U/S OF ROOF.
- CONNECT NEW 13 COLD & HOT WATER LINES TO EXISTING ALONG U/S OF ROOF AT APPROXIMATE LOCATION SHOWN. CONTRACTOR TO DETERMINE EXACT LOCATION ON SITE.
- RUN NEW 25 COLD WATER LINES BACK WITHIN EXISTING SHOP TO CONNECT TO NEAREST 25 OR LARGER WATER SUPPLIES. CONTRACTOR TO DETERMINE EXACT LOCATION ON SITE.
- 25 COMPRESSOR AIR LINE THROUGH EXTERIOR WALL TO QUICK CONNECT OUTLET. SEE DETAIL 1/M6.3. SEAL AT WALL PENETRATION WEATHER TIGHT CAULKING & ESCUTCHEON.
- 25 COMPRESSED AIR DROP FOR CONNECTION TO OWNER EQUIPMENT.
- 50 CONDENSATE DRAIN LINE DOWN WITHIN WALL FROM TO BELOW SLAB. SEE MAIN FLOOR PLUMBING PLAN 2/M6.2 FOR CONTINUATION.
- 50 CONDENSATE DRAIN LINE DOWN FROM MEZZANINE CEILING SPACE TIGHT ALONG WALL TO RUN WITHIN MAIN FLOOR CEILING SPACE.
- 50 CONDENSATE DRAIN LINE DOWN TO MAIN FLOOR. SEE MAIN FLOOR PLUMBING PLAN 1/M6.2 FOR CONTINUATION.
- EXISTING GAS FIRED RADIANT HEATER TO REMAIN AS IT IS.
- CONNECT NEW COMPRESSED AIR LINE TO EXISTING COMPRESSOR LOCATION IN EXISTING MECHANICAL ROOM. MATCH EXISTING PIPE SITE. SEE MEZZANINE PLAN 2/M6.2 FOR CONTINUATION.
- NEW COMPRESSED AIR CONTINUES TO CONNECT TO EXISTING COMPRESSED AIR MAIN. SEE MAIN FLOOR PLAN 1/M6.2 FOR CONTINUATION. MATCH EXISTING PIPE SITE.

PLUMBING EQUIPMENT SCHEDULE

CO1 - FLOOR CLEANOUTS - MEDIUM LOAD TRAFFIC FINISHED AREAS
SUPPLY AND INSTALL A WADE MODEL 6000-1 FLOOR CLEANOUT C/W ALL DUCCO COATED CAST IRON BODY W/ FLASHING FLANGE, REMOVABLE POSITIVE GASKET SEAL CLOSURE PLUG AND HEAVY DUTY 150mm(6") ROUND ADJUSTABLE NICKEL BRONZE FRAME AND COVER FOR WATER PROOFED AREAS PROVIDE FC FLANGE WITH FLASHING CLAMP.

CO2 - FLOOR CLEANOUTS - UNFINISHED AREAS AND OUTSIDE AREAS
SUPPLY AND INSTALL A WADE MODEL 6000-2 FLOOR CLEANOUT C/W ALL DUCCO COATED CAST IRON BODY W/ FLASHING FLANGE, REMOVABLE POSITIVE GASKET SEAL CLOSURE PLUG AND HEAVY DUTY 150mm(6") ROUND ADJUSTABLE SCORRIATED CAST IRON COVER WITH "COT" CAST IN COVER. FOR WATER PROOFED AREAS PROVIDE FC FLANGE WITH FLASHING CLAMP.

TD - TRENCH DRAIN
SUPPLY AND INSTALL AN ABT INC. POLY DRAIN TRENCH DRAIN SYSTEM. UNIT TO BE INSTALLED IN 1 METER SECTIONS SLOPED AT 0.6% AS PER PLAN. POLYMER CONCRETE TRENCH TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 17.250psi, MAXIMUM TENSILE STRENGTH OF 2310psi, AND A MAXIMUM BENDING STRENGTH OF 4016psi. TRENCH DRAIN SECTIONS TO BE COMPLETE WITH GALVANIZED STEEL GRATING MODEL 2422 SUITABLE FOR 300psi LOADING COMPLETE WITH 2811A LOCKING DEVICE.

US - UTILITY SINK
SUPPLY AND INSTALL A FIAT MODEL SF-1-F SINGLE TUB FLOOR MOUNTED UTILITY SINK OR EQUAL. TUB TO BE COMPLETE WITH INTEGRAL MOLDED BACK LEDGE, WHITE BAKED ENAMEL STEEL SUPPORT LEGS, INTEGRAL MOLDED DRAIN, OPTIONAL 100mm(4") CENTER SET DECK FAUCET A-1, 38mm(1 1/2") OPTIONAL OVERFLOW PIPE A-15, 38mm(1 1/2") WASTE, 38mm(1 1/2") P-TRAP WITH CLEANOUT, RIGID/FLEX WATER SUPPLIES WITH LOCKSHIELD STOPS, FLEXIBLE RISERS, SELF RIMMING FLANGE, AND FOUR LOCKING CORNER BARS.

EW - EYEWASH
SUPPLY AND INSTALL A BRADLEY MODEL S19224 EYE/FACE WASH FIXTURE OR EQUAL. UNIT TO BE COMPLETE WITH YELLOW IMPACT-RESISTANT HINGED DUST COVER AND BOWL. WALL BRACKET, 32mm(1 1/4") WASTE, 32mm(1 1/4") C.P. "P" TRAP, CHROME PLATED BRASS 13mm(1/2") IPS STAY OPEN BALL VALVE MANUALLY OPERATED BY STAINLESS STEEL PUSH FLAG HANDLE, CHROME PLATED BRASS SPRAY HEAD ASSEMBLY WITH TWIN SOFT FLOW EYEWASH HEADS WITH PROTECTIVE SPRAY HEAD COVERS, CHROME PLATED CIRCULAR SPRAY RING, AND SYMMONS 5-102 13mm(1/2") IPS MIXING VALVE WITH MOUNTING BRACKET.

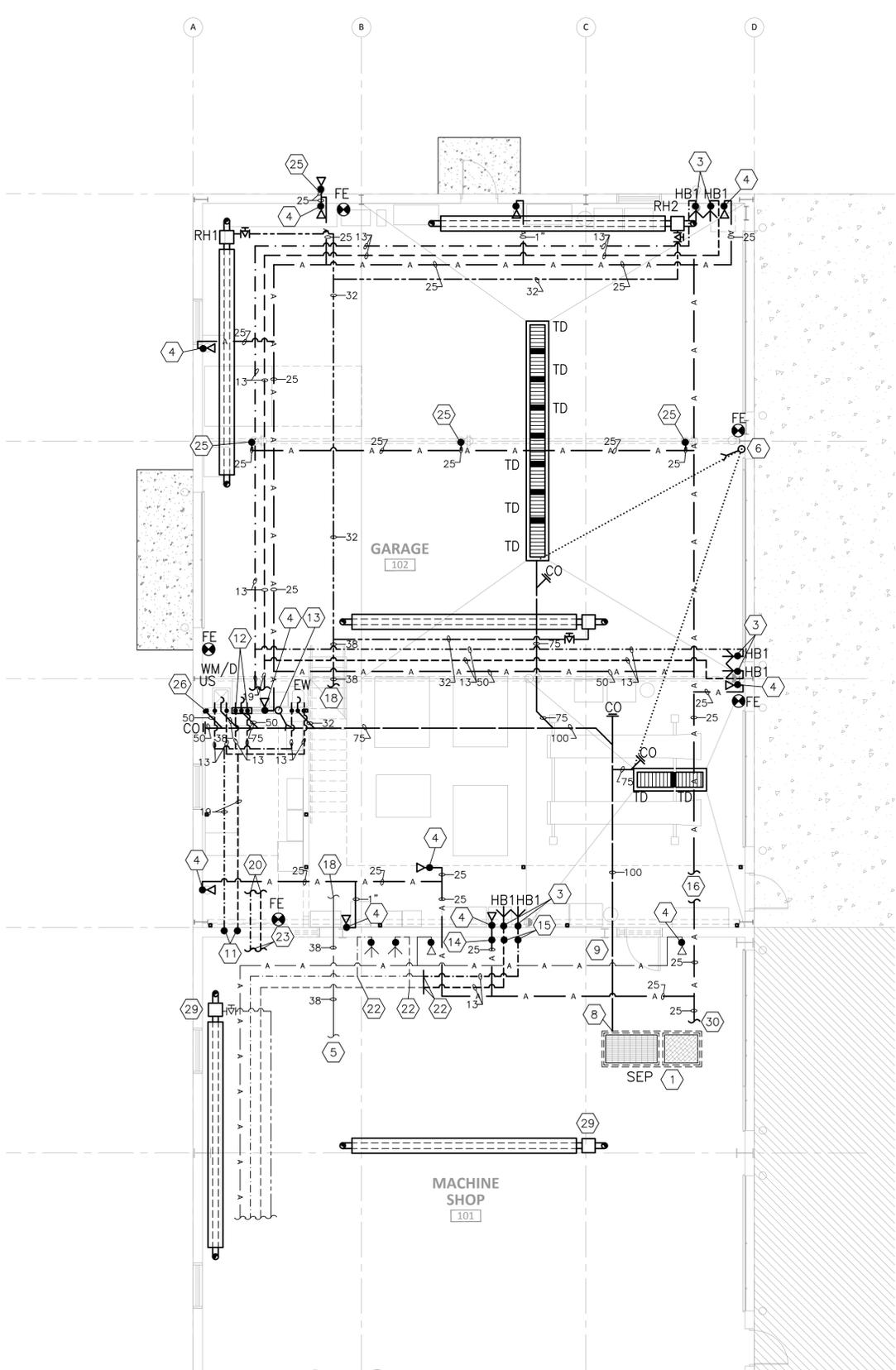
RH1, RH2, & RH3 - GAS-FIRED RADIANT HEATER #1, #2, & #3
SEE DRAWING M6.1 FOR SPECIFICATIONS.

HB1 - INTERIOR HOSEBIB #1
SUPPLY AND INSTALL AN INTERIOR HOSE BIBB WOOD FORD 26CD OR EQUAL COMPLETE WITH VACUUM BREAKER.

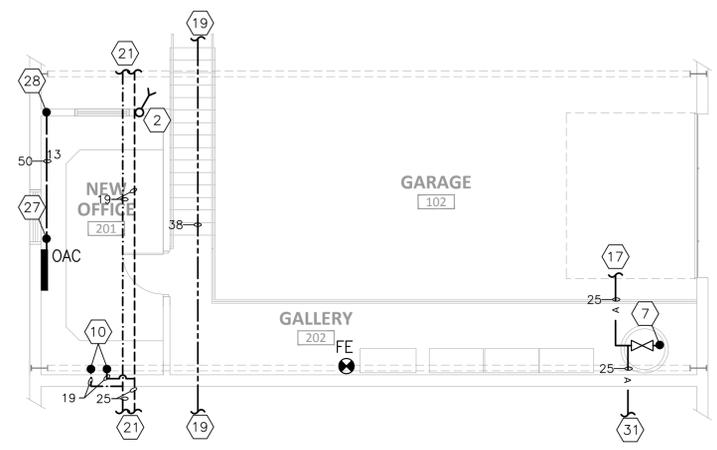
FE - FIRE EXTINGUISHER
SUPPLY AND INSTALL A NATIONAL FIRE EQUIPMENT MODEL ABC-10G LB. DRY CHEMICAL FIRE EXTINGUISHER OR EQUAL. EXTINGUISHER WITH A RATING OF 4-A, 60-B-C. UNIT TO BE MOUNTED ON WALL WITH STEEL MOUNTING BRACKET.

WM/D - STACKABLE WASHING MACHINE/DRYER
STACKABLE CLOTHES WASHER AND DRYER SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE 13mm COLD, 13mm HOT, AND 50mm STANDPIPE DRAIN CONNECTIONS WITHIN OATEY 38751 WALL RECESSED COMBINATION DRAIN/SUPPLY BOX. PROVIDE 13mm HOT AND COLD WATER HOSEBIBS WITH VACUUM BREAKERS AND FLEX CONNECTIONS TO WASHING MACHINE. PROVIDE WASHING MACHINE CONNECTION TO STANDPIPE. SEE DRAWING M6.1 FOR DRYER VENTING.

PLUMBING LEGEND		
EXISTING	PROPOSED	
---	---	COLD WATER
---	---	HOT WATER
---	---	SANITARY SEWER
---	---	NATURAL GAS
---	---	VENT LINE
---	---	COMPRESSED AIR
---	---	GAS REGULATOR
---	---	CLEANOUT
---	---	FLOOR DRAIN
---	---	PIPE DOWN
---	---	PIPE UP
---	---	ISOLATION VALVE
---	---	GAS COCK
---	---	PLUMBING VENT
---	---	BACKFLOW PREVENTOR
---	---	HOSEBIB
---	---	COMPRESSED AIR QUICK CONNECT



1 MAIN FLOOR PLAN
M6.2 SCALE: 1:75



2 MEZZANINE FLOOR PLAN
M6.2 SCALE: 1:75