PLUMBING GENERAL NOTES

A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
B. THE LOCATION AND ROUTING OF PIPES SHOWS THE INTENT OF THE DESIGN. THE CONTRACTOR SHALL ALLOW FOR THE POSSIBILITY OF INTERFERENCES AND SHALL RESOLVE WITH OTHER TRADES ON SITE. ANY CHANGES TO THE DESIGN INTENT REQUIRE APPROVAL BY THE ENGINEER.
C. ALL NEW CORING FOR PLUMBING SERVICES SHALL BE DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH ALL OTHER TRADES.
D. SANITARY PIPING THROUGH CONCRETE BEAMS SHALL BE THROUGH CAST-IN-PLACE STEEL SLEEVES. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR LOCATIONS. COORDINATE WITH GENERAL CONTRACTOR.
E. REFER TO STRUCTURAL DRAWINGS FOR RESTRICTIONS FOR ALL NEW FLOOR AND WALL PENETRATION LOCATIONS AND SIZES.
F. PATCH AND MAKE GOOD ALL AREAS DAMAGED BY DEMOLITION WORK TO MATCH EXISTING FINISHES. REFER TO SITE FOR FINISHES.
G. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.

FIRE PROTECTION GENERAL NOTES

A. THE SPRINKLER CONTRACTOR SHALL INSTALL A COMPLETE SPRINKLER SYSTEM AS NOTED ON THE DRAWINGS AND SPECIFICATIONS.
B. THE SPRINKLER CONTRACTOR SHALL PREPARE ALL NECESSARY DETAILED DESIGN DRAWINGS AND/OR DOCUMENTS AND SUBMIT TO THE ENGINEER FOR REVIEW AND COORDINATION. ENSURE COMPLETE SPRINKLER COVERAGE IN COMPLIANCE WITH NFPA 13 & NFPA 14, AND RELATED APPLICABLE NFPA CODES.
C. THIS SET OF CONTRACT DOCUMENTS INCLUDES PROJECT-SPECIFIC REQUIREMENTS NOTED IN THE DRAWINGS AND SPECIFICATIONS THAT MAY EXCEED MINIMUM REQUIREMENTS OF THE NFPA CODES. THESE ITEMS HAVE BEEN COORDINATED WITH THE ARCHITECT AND OWNER, AND SHALL BE INCLUDED IN THE CONTRACTOR'S WORK AND ON THE SPRINKLER CONTRACTOR'S DETAILED DRAWINGS.
D. THE INSTALLATION OF SPRINKLER SYSTEMS SHALL NOT COMMENCE UNTIL THE COMPLETE SHOP DRAWINGS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.).
E. THE SPRINKLER INSTALLATION SHALL COMPLY WITH THE APPLICABLE NPFA CODES AND REQUIRMENTS OF THE A.H.J. IF THERE IS A CONFLICT WITH THE PERCEIVED INTENT OF THIS DRAWING SET AND THE REQUIREMENTS OF NFPA OR THE A.H.J., NOTIFY THE ENGINEER TO RESOLVE. NO INCREASES TO THE CONTRACT WILL BE PERMITTED FOR COMPLIANCE WITH MINIMUM CODE REQUIREMENTS.
F. THE SPRINKLER CONTRACTOR SHALL CONFIRM ON SITE THE LOCATIONS OF EXISTING STRUCTURES, EQUIPMENT, AND SYSTEMS FOR INTERFERENCE AND COORDINATION PURPOSES. INCLUDE ALL OFFSETS, ADDITIONAL LOW-POINT DRAINS, ADDITIONAL HEADS AS REQUIRED. ROUTE BRANCH LINES AS REQUIRED.
G. GRADE ALL NEW PIPING TO ALLOW COMPLETE SYSTEM DRAINAGE. DRAINAGE SHALL BE ROUTED TO THE NEAREST SANITARY DRAIN OF SUFFICIENT SIZE. COORDINATE WITH PLUMBING CONTRACTOR. DRAINAGE TO STORM DRAINAGE PIPING OR SUMP PITS IS NOT PERMITTED.
H. THE SPRINKLER CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ALL CONCRETE WALLS OR FLOORS.
I. FIRESTOP ALL NEW AND EXISTING PENETRATIONS.

HVAC GENERAL NOTES

A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
B. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
C. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED ASSEMBLIES, COMPLETE WITH ACCESS DOORS, SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR FIRE RATINGS.
D. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
E. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
F. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
G. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.

MECHANICAL DRAWINGS

SYMBOLS & ABBREVIATIONS
M0.1 MECHANICAL SYMBOLS

DEMOLITION DRAWINGS
MD2.1 ARENA CRAWLSPACE - MECHANICAL PLAN
MD2.2 ARENA MAIN FLOOR - MECHANICAL PLAN

PLUMBING DRAWINGS
MP2.1 ARENA CRAWLSPACE - PLUMBING PLAN

FIRE PROTECTION DRAWINGS
MF2.1 ARENA CRAWLSPACE - FIRE PROTECTION PLAN

HVAC DRAWINGS
MH2.1 ARENA CRAWLSPACE - HVAC PLAN
MH2.2 ARENA MAIN FLOOR - HVAC PLAN

DETAILS
M4.1 MECHANICAL DETAILS
M4.2 MECHANICAL DETAILS

SCHEDULES
M7.1 MECHANICAL SCHEDULE

PLUMBING LINE TYPE

—— RWL ——	RAIN WATER LEADER
—— SS ——	STORM SEWER
——SAN——	SANITARY WASTE ABOVE FLOOR OR GRADE
— —SAN— —	SANITARY WASTE BELOW FLOOR OR GRADE

LINE TYPE LEGEND

	EXISTING
	NEW CONSTRUCTION
	DEMOLISHED

SPRINKLER SYMBOLS

∅	DRY SPRINKLER
	DRY SPRINKLER SYSTEM *

* REFER TO SPRINKLER COVERAGE SCHEDULE FOR HAZARD LEVEL.

PLUMBING SYMBOLS

	FLOOR DRAIN
	PIPE RISE
	PIPE DROP
	TRAP
	CLEAN OUT
	UNION
	FLANGE
	SHUT-OFF VALVE
	CHECK VALVE
	PUMP
EQ 1i	EQUIPMENT TAG
?	KEY NOTE
7	DEMOLITION NOTE
1 M1.1	DRAWING HEADER

HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	FIRE DAMPER & ACCESS DOOR
M	MOTORIZED DAMPER, BLADES PARALLEL W/ FLOOR UNLESS NOTED OTHERWISE
BDD	BACK DRAFT DAMPER
	TURNING VANES
EQ 1i	EQUIPMENT TAG
?	KEY NOTE
7	DEMOLITION NOTE
H	HUMIDITY SENSOR
S	TEMPERATURE SENSOR

FIRE PROTECTION LINE TYPE

—— FPD ——	SPRINKLER LINE - DRY

KEY PLAN
NTS

The General Contractor shall check & verify all dimensions andreport any errors or omissions to the designers.

0	2020-10-30	ISSUED FOR CONSTRUCTION	

APEGM
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

PROVINCE OF MANITOBA
SCHELLENBERG
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Project
SJCC RINK CRAWLSPACE
ARENA CRAWLSPACE RESTORATION
2055 NESS AVENUE
WINNIPEG, MANITOBA

Sheet Title
MECHANICAL SYMBOLS

File	Date
20057	2020-09-17
Design: JS	Drawn: DK

Revision

Sheet No.
M0.1