PLUMBING GENERAL NOTES

- FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE
- ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS. WATER HAMMER ARRESTORS SHALL BE PROVIDED TO
- EACH WASHROOM AND FIXTURE GROUP. ALL PIPING SHALL BE INSULATED PER THE
- SPECIFICATION. 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
- ALL NEW CORING FOR PLUMBING SERVICES SHALL BE DONE BY MECHANICAL CONTRACTOR. COORDINATE
- WITH ALL OTHER TRADES. 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. EACH WASHROOM FIXTURE GROUP SHALL HAVE A SINGLE SHUT OFF VALVE. VALVES SHALL BE FULLY
- **ACCESSIBLE** REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT
- LOCATION OF PLUMBING FIXTURES. REFER TO STRUCTURAL DRAWINGS FOR RESTRICTIONS FOR ALL NEW FLOOR AND WALL PENETRATION
- LOCATIONS AND SIZES. THE CONTRACTOR SHALL SIZE AND COORDINATE PLUMBING VENTING WHERE NOT SHOWN ON THE DRAWINGS, REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS AND COORDINATION REQUIREMENTS
- PATCH AND MAKE GOOD ALL AREAS DAMAGED BY DEMOLITION WORK TO MATCH EXISTING FINISHES. REFER TO SITE FOR FINISHES. THE INTERRUPTION OF ANY SERVICES SHALL BE
- BE KEPT TO A MINIMUM. ASBESTOS CONTAINING MATERIALS MAY BE PRESENT WITHIN WORK AREAS IN EXISTING BUILDINGS. COORDINATE ALL ABATEMENT REQUIREMENTS WITH THE BUILDING OWNER.

COORDINATED WITH THE BUILDING OWNER AND SHALL

LINE TYPE LEGEND

 EXISTING
 NEW CONSTRUCTION
 DEMOLISHED

PLUMBING LINE TYPE

_____ P _____ PROPANE

	DOMESTIC COLD WATER	
	DOMESTIC HOT WATER RECIRCULATION LINE	
	DOMESTIC HOT WATER	
	RAIN WATER LEADER	
ss	STORM SEWER	
SAN	SANITARY WASTE ABOVE FLOOR OR GRADE	
— —SAN— —	SANITARY WASTE BELOW FLOOR OR GRADE	
VEN	SANITARY VENT	
IW	INDIRECT WASTE	
———PC——	PUMPED CONDENSATE	
c	CONDENSATE LINE	
—— G ——	NATURAL GAS	
——————————————————————————————————————	COMPRESSED AIR	
1	1	

PLUMBING SYMBOLS		
•	FLOOR DRAIN	
	ROOF DRAIN	
	PIPE RISE	
	PIPE DROP	
ઌ૰	TRAP	
	CLEAN OUT	
\longrightarrow	HOSE BIBB / WALL HYDRANT	
——————————————————————————————————————	UNION	
——————————————————————————————————————	FLANGE	
── ₩ ─	SHUT-OFF VALVE	
	CHECK VALVE	
	PUMP	
EQ - 1i	FIXTURE TAG	
EQ 1i	EQUIPMENT TAG	
?	KEY NOTE	
<u>^</u> ?	DEMOLITION NOTE	
1 M1.1	DRAWING HEADER	
WM	WATER METER	
CA	COMPRESSED AIR CONNECTION	
PW	PRESSURE WASHER CONNECTION	

FIRE PROTECTION GENERAL NOTES

- THE SPRINKLER CONTRACTOR SHALL INSTALL A COMPLETE SPRINKLER SYSTEM AS NOTED ON THE DRAWINGS AND SPECIFICATIONS.
- 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.
- 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.
- THE INSTALLATION OF SPRINKLER SYSTEMS SHALL NOT COMMENCE UNTIL THE COMPLETE SHOP DRAWINGS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION
- 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. IN AREAS WITH SUSPENDED TILE CEILINGS INSTALL SPRINKLER HEADS CENTRED ON THE TILES. ALLOW FOR ADDITIONAL HEADS IF NECESSARY TO MEET THIS REQUIREMENT.
- ADDITIONAL SPRINKLER HEADS SHALL BE INSTALLED UNDER DUCTS MORE THAN 1200mm (48") WIDE. 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. 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. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF SPRINKLER RISERS ON SITE. COORDINATE LOCATION OF RISERS AND FIRE
- DEPARTMENT CONNECTION WITH THE ARCHITECT. 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. FIRESTOP ALL NEW AND EXISTING PENETRATIONS.
- THE SPRINKLER PIPING SYSTEMS SHALL BE SIZED BASED ON EXISTING FIRE PUMPS. PROVIDE PROTECTIVE CAGES ON SPRINKLER HEADS LOCATED BELOW STAIRS.

SPRINKLER LINE - PRE-ACTION

SPRINKLER LINE - WET

* REFER TO SPRINKLER COVERAGE SCHEDULE FOR HAZARD LEVEL.

—— FDC —— FIRE DEPARTMENT CONNECTION LINE

FIRE PROTECTION LINE TYPE

------ FPA ------

----- FPW -----

—— FPD —— SPRINKLER LINE - DRY

—— FPS ——	FIRE PROTECTION - SANITARY		SUPPLY AIR/OUTSIDE AIR DUCT RISER
			RETURN AIR/EXHAUST AIR DUCT RISE
SPRINKLER S	SYMBOLS		
0	UPRIGHT SPRINKLER		MANUAL BALANCING DAMPER
•	PENDENT SPRINKLER		FIRE DAMPER & ACCESS DOOR
×	SPRINKLER WITH GUARD		
∇	SIDEWALL SPRINKLER		SMOKE DAMPER & ACCESS DOOR
lacksquare	SIDEWALL SPRINKLER CONCEALED	SPRINKLER CONCEALED	
•	PENDENT SPRINKLER - CONCEALED HEAD		MOTORIZED DAMPER, BLADES PARAL W/ FLOOR UNLESS NOTED OTHERWIS
×	INSTITUTIONAL TAMPER RESISTANT SPRINKLER HEAD	BDD	BACK DRAFT DAMPER
WF	FLOW DETECTOR / SWITCH		
PS PRESSURE DETECTOR / SWITCH		1000	TURNING VANES
VS VALVE SUPERVISORY SWITCH			THERMAL INSULATION
	VALVE WITH VALVE SUPERVISORY SWITCH		THERWAL INSULATION
Ŋ	CHECK VALVE		ACOUSTIC INSULATION
W_I_W	BACKFLOW PREVENTER - DOUBLE CHECK TYPE		FIRE WRAP
\otimes	RISER	S-1i CFM	DIFFUSER TAG / GRILLE TAG
M	VALVES (GENERAL)	CFM	DIT USER TAG / GRIELE TAG
Φ	SITE GLASS	EQ 1i	EQUIPMENT TAG
M ————————————————————————————————————	OS&Y VALVE (RISING STEM)	?	KEY NOTE
Ŷ	SINGLE FIRE DEPARTMENT CONNECTION	2	DEMOLITION NOTE
<u> </u>	ALARM CHECK VALVE	<u> </u>	THERMOSTAT - LOW VOLTAGE
⊠	FIRE PROTECTION NOSE VALVE	T T	THERMOSTAT - LINE VOLTAGE
	PRESSURE GAUGE		CARBON DIOXIDE SENSOR
<u> </u>	TYPE ABC FIRE EXTINGUISHER	H	HUMIDISTAT
	CROWN DAY HAZARD (CROWN 1)	P P	PRESSURE SENSOR
	ORDINARY HAZARD (GROUP 1)		
	ORDINARY HAZARD (GROUP 2)		TEMPERATURE SENSOR
	EXTRA HAZARD (GROUP 1)	<u> </u>	CARBON MONOXIDE SENSOR
	EXTRA HAZARD (GROUP 2)	<u></u>	NITROGEN OXIDE SENSOR
DRY SPRINKLER SYSTEM *		<u> </u>	DUCT SMOKE DETECTOR - BY DIV. 28
	PRE-ACTION SPRINKLER SYSTEM *	co◎	CARBON MONOXIDE SENSOR - BY DIV

HVAC GENERAL NOTES

- FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- 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 INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING
- FIRE RATED WALL ASSEMBLIES, COMPLETE WITH ACCESS DOORS, SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND
- FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION. 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 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. INSTALL ALL FLOOR-MOUNTED EQUIPMENT ON MINIMUM 100MM (4") THICK CONCRETE HOUSE KEEPING PADS. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS. REFER TO CONTROLS SCHEMATICS FOR REQUIREMENTS FOR SENSORS, ACTUATORS AND
- OTHER CONTROLS COMPONENTS. 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
- HIGH-LEVEL EXHAUST FANS SHALL BE HUNG FROM STRUCTURE COMPLETE WITH SPRING VIBRATION
- ISOLATION AND DUCT FLEX CONNECTIONS. ALL OPENINGS BETWEEN FIRE RATED FLOOR ASSEMBLIES AND FIRE RATED WALLS, PARTITIONS ETC. SHALL BE FIRE STOPPED. COORDINATE WITH ARCHITECTURAL. ABANDONED OPENINGS SHALL BE IN-
- FILLED, COORDINATE FINISH WITH ARCHITECTURAL. ALL THERMOSTATS LOCATED IN PUBLIC SPACES TO BE PROTECTED WITH A TRANSPARENT, LOCKABLE COVER.

<u>HVAC LEGEND</u>

	RETURN AIR/EXHAUST AIR DUCT RISER	
	MANUAL BALANCING DAMPER	
	FIRE DAMPER & ACCESS DOOR	
	SMOKE DAMPER & ACCESS DOOR	
* M	MOTORIZED DAMPER, BLADES PARALLEL W/ FLOOR UNLESS NOTED OTHERWISE	HYDRONI
BDD	BACK DRAFT DAMPER	O
2)))	TURNING VANES	
	THERMAL INSULATION	——————————————————————————————————————
	ACOUSTIC INSULATION	
	FIRE WRAP	
S-1i CFM	DIFFUSER TAG / GRILLE TAG	7
EQ 1i	EQUIPMENT TAG	
?	KEY NOTE	X
	DEMOLITION NOTE	
	THERMOSTAT - LOW VOLTAGE	
T)	THERMOSTAT - LINE VOLTAGE	MV
<u>@</u>	CARBON DIOXIDE SENSOR	
H	HUMIDISTAT	\
P	PRESSURE SENSOR	M
<u>§</u>	TEMPERATURE SENSOR	F
<u>©</u>	CARBON MONOXIDE SENSOR	RAD # LENGTH
M T	NITROGEN OXIDE SENSOR	TYP OF
<u>\$</u>	DUCT SMOKE DETECTOR - BY DIV. 28	#

HYDRONIC GENERAL NOTES

- PIPING SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASME B31.9 CODE FOR BUILDING SERVICES PIPING.
- INSULATE ALL HYDRONIC PIPING IN ACCORDANCE WITH THE SPECIFICATIONS COORDINATE PIPE RUNS IN THE BULKHEAD WITH OTHER
- TRADES TO AVOID CONFLICTS.
 SUPPORT PIPING IN ACCORDANCE WITH THE

MANUFACTURER'S RECOMMENDATIONS AND THE

- SPECIFICATIONS. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE
- OF RATINGS ALL EXPOSED PIPING IN MECHANICAL ROOMS, CRAWLSPACES, AND OCCUPIED AREAS SHALL BE ENCLOSED WITH PVC JACKET.
- REFER TO SCHEMATIC AND DETAILS FOR PIPING AND EQUIPMENT ARRANGEMENT. WHEN USED IN RETURN-AIR PLENUMS, INSULATION MATERIALS FOR DOMESTIC, HYDRONIC, AND REFRIGERANT PIPING TO MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION. PROVIDE A MINIMUM OF TWO 90-DEGREE CHANGES IN
- DIRECTION AT EACH BRANCH CONNECTION TO ALLOW FOR PIPE MOVEMENT CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FIELD-FABRICATED EXPANSION LOOPS INCLUDING ANCHORS
- LAYOUTS ARE SCHEMATIC AND ROUTING IS SHOWN TO CONVEY THE DESIGN INTENT. ADDITIONAL OFFSETS, STEAM TRAPS, AND ELBOWS SHALL BE INSTALLED AS REQUIRED TO ACCOMMODATE ALL EXISTING CONDITIONS. INSTALL VALVES WITH THE STEMS VERTICAL. WHEN
- THIS IS NOT POSSIBLE, THEY MAY BE INSTALLED ROTATED BUT NEVER LESS THAN HORIZONTAL UNDER ANY CIRCUMSTANCE ARRANGE ISOLATION VALVES STAGGERED WHERE THEY ARE INSTALLED IN A COMMON LOCATION SO THEY ARE COMPLETELY AND CONVENIENTLY ACCESSIBLE
- INSTALL VALVES WITH ADEQUATE ROOM TO PERMIT REMOVAL OF THE BONNET, DISK, AND TRIM WITHOUT REMOVING THE VALVE FROM THE LINE. ALL PIPE TAKE-OFFS SHOULD BE FROM THE TOP OF
- PIPE. WHERE THIS IS NOT POSSIBLE PROVIDE A TAKE-OFF AT A MINIMUM OF 45 DEGREE ABOVE HORIZONTAL. INSTALLATION SHALL PROVIDE MINIMUM 2050mm (80") OF CLEAR HEAD ROOM THROUGHOUT ALL MECHANICAL PATCH AND MAKE GOOD ALL AREAS DAMAGED BY
- DEMOLITION WORK TO MATCH EXISTING FINISHES. REFER TO SITE FOR FINISHES. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM
- ASBESTOS CONTAINING MATERIALS MAY BE PRESENT WITHIN WORK AREAS IN EXISTING BUILDINGS. COORDINATE ALL ABATEMENT REQUIREMENTS WITH THE BUILDING OWNER. ALL OPENINGS BETWEEN FIRE RATED FLOOR

ASSEMBLIES AND FIRE RATED WALLS PARTITIONS ETC.

REFRIGERANT HOT GAS

MASS FLOW METER

EQUIPMENT TAG

RADIATION ELEMENT TAG

PRESSURE INDEPENDENT VALVE

SHALL BE FIRE STOPPED. COORDINATE WITH

REFRIGERANT LINE TYPE

		.т.	
— RL ——	REFRIGERATION LIQUID	· M·	GATE VALVE
—RS——	REFRIGERATION SUCTION	· - -	GATE VALVE HOSE-END ADAPTOR WITH CAP
		· 🔼 ·	GLOBE VALVE
		$\cdot \times \cdot$	HOSE BIB
		· • · •	IN-LINE FILTER
		· Ţ ·	INSTRUMENT TEST WELL
		· O	LOW WATER CUT OFF
RONIC SY	MBOLS	. 🗖 .	OS&Y VALVE
	PIPE RISE	. 1⊈1 .	PLUG VALVE
—)	PIPE DROP	· P .	PRESSURE GAUGE
		· 🛱 ·	PRESSURE REDUCING VALVE
	PUMP	· <u>⊠</u> ??•PSI	PRESSURE RELIEF VALVE
	SHUT-OFF VALVE	. 🖁 .	PRESSURE SENSOR
	SHUT-OFF VALVE NORMALLY CLOSED	·BFP·	REVERSE FLOW BACK FLOW PREVENTER
<u> </u>	CONTROL VALVE	· 早.	SHOCK ABSORBER
-\$	THREE WAY CONTROL VALVE		SIGHT GLASS
	CHECK VALVE	. 👸 .	SOLENOID VALVE
	AUTOMATIC FLOW CONTROL VALVE	· \rightarrow ·	SQUARE HEAD COCK
→ >>=	HOSE END VALVE	· P·	
×	PIPE ANCHOR		STEAM SEPARATOR
	PIPE GUIDE	. 1	STRAINER
—	DIRECTION OF FLOW	· h ·	TEMP & PRESSURE RELIEF VALVE
₩V	MANUAL AIR VENT	. 🎖 .	THERMAL WELL
	EXPANSION JOINT		THERMOMETER
<u> </u>	AUTOMATIC AIR VENT	· 🔀 ·	THERMOSTATIC MIXING VALVE
	VOLUME METER	· 🛭 ·	THERMOSTATIC STEAM TRAP

HYDRONIC SYMBOLS

·BFP·

- I\\ |

· 11 ·

3-WAY VALVE

AQUASTAT

BALL VALVE

BUTTERFLY VALVE

F & T STEAM TRAP

FLEX CONNECTION

TRIPLE DUTY VALVE

VACUUM BREAKER

NATURAL GAS METER

WATER METER

UNION

FLANGE

AIR SEPARATOR

AUTO REFILL VALVE

BACK FLOW PREVENTER

BY-PASS CHEMICAL FEEDER

CALIBRATED BALANCING VALVE

DOUBLE CHECK VALVE ASSEMBLY

CONCENTRIC AND ECCENTRIC REDUCER

MECHANICAL DRAWINGS

SYMBOLS & ABBREVIATIONS M0.1 MECHANICAL SYMBOLS

- PLUMBING DRAWINGS MP2.0 BASEMENT DEMOLITION - PLUMBING PLAN
- MP2.1 LEVEL 1 DEMOLITION PLUMBING PLAN MP2.2 LEVEL 2 DEMOLITION - PLUMBING PLAN
- MP2.3 BASEMENT RENOVATION PLUMBING PLAN
- MP2.4 LEVEL 1 RENOVATION PLUMBING PLAN

- MF2.0 BASEMENT FIRE PROTECTION RENOVATION PLAN MF2.1 LEVEL 1 RENOVATION - FIRE PROTECTION PLAN

- MF2.5 ARENA SOUTH FIRE PROTECTION PLAN
- MF2.6 ARENA NORTH- FIRE PROTECTION PLAN

- HYDRONIC DRAWINGS MY2.0 BASEMENT DEMOLITION - HYDRONIC PLAN
- MY2.2 LEVEL 2 DEMOLITION HYDRONIC PLAN
- MY2.3 BASEMENT RENOVATION HYDRONIC PLAN
- MY2.4 LEVEL 1 RENOVATION HYDRONIC PLAN
- MY3.1 LEVEL 2 LARGE SCALE PLANS HYDRONIC

- MP2.5 LEVEL 2 RENOVATION PLUMBING PLAN

MP4.1 DETAILS - PLUMBING

- FIRE PROTECTION DRAWINGS
- MF2.2 LEVEL 2 RENOVATION FIRE PROTECTION PLAN
- MF2.3 ARENA SOUTH FIRE PROTECTION PLAN
- MF2.4 ARENA NORTH FIRE PROTECTION PLAN

MF4.1 DETAILS - FIRE PROTECTION PLAN

- MY2.1 LEVEL 1 DEMOLITION HYDRONIC PLAN

- MY4.1 DETAILS HYDRONIC

- **HVAC DRAWINGS** MH2.0 BASEMENT DEMOLITION - HVAC PLAN
- MH2.1 LEVEL 1 DEMOLITION HVAC PLAN
- MH2.2 LEVEL 2 DEMOLITION HVAC PLAN MH2.3 BASEMENT RENOVATION - HVAC PLAN
- MH2.4 LEVEL 1 RENOVATION HVAC PLAN
- MH2.5 LEVEL 2 RENOVATION HVAC PLAN
- MH2.6 ROOF RENOVATION HVAC PLAN
- MH3.1 LEVEL 2 LARGE SCALE PLANS HVAC MH3.2 3D LAYOUTS AND SECTIONS - HVAC
- MH4.1 DETAILS HVAC

MH4.2 DETAILS - HVAC

SCHEMATICS & RISER DIAGRAMS

- MECHANICAL SCHEMATICS HVAC MECHANICAL SCHEMATICS - HYDRONIC
- MECHANICAL SCHEMATICS CONTROLS MECHANICAL SCHEMATICS - CONTROLS

MECHANICAL SCHEMATICS - CONTROLS

SCHEDULES HVAC SCHEDULES

M7.2 HYDRONIC SCHEDULES

Certificate of Authorization

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Revision Notes

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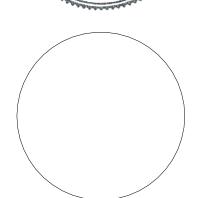
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Rev. No. Date

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MECHANICAL SYMBOLS

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Review By Tender No NTS 1176-2019

11/06/19