BUILDING SITE INFORMATION

ADDRESS	
808 CANADA GAMES WAY, PRINCE GEORGE, BC.	

BUILDING ENERGY - MECHANICAL

HVAC DESIGN	
ENERGY STANDARD/CODE	ASHRAE 90.1-2016
COMPLIANCE PATH	PRESCRIPTIVE
DESIGN METHOD	MANDATORY PROVISIONS & PRESCRIPTIVE
IN ACCORDANCE WITH	SECTION 6
CLIMATE ZONE	7
VENTILATION	ASHRAE 62.1-2001 (EXCEPT ADDENDUM N)

GENERAL NOTES:

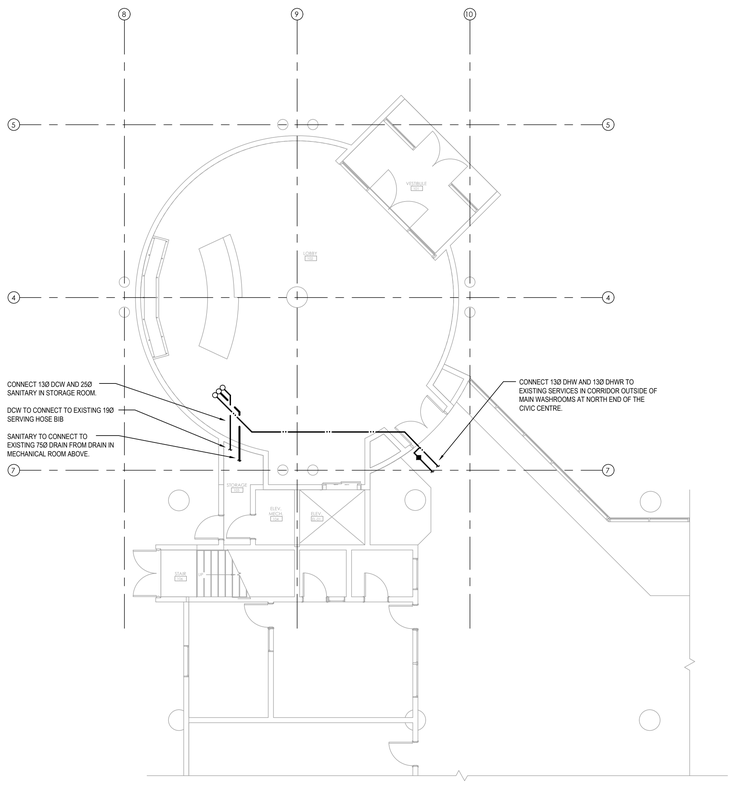
1. INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE BRITISH COLUMBIA BUILDING CODE 2018, BRITISH COLUMBIA PLUMBING CODE 2018, LOCAL BUILDING BYLAWS, MUNICIPAL GUIDELINES AND REQUIREMENTS WHERE APPLICABLE.
2. MECHANICAL SERVICES ARE SCHEMATIC REPRESENTATION ONLY. MECHANICAL CONTRACTOR SHALL FIELD MEASURE ALL MATERIAL PRIOR TO INSTALLATION. PROVIDE OFFSETS WHERE NECESSARY TO AVOID CONFLICT WITH STRUCTURAL AND ALL OTHER TRADES.

FIRE PROTECTION NOTES:

1. BUILDING SPRINKLERED TO NFPA-13, LIGHT HAZARD OCCUPANCY.
2. THESE DOCUMENTS ARE TO PROVIDE PERFORMANCE SPECIFICATION ONLY. CONTRACTOR SHALL RETAIN A SEPARATE FIRE PROTECTION ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA TO PERFORM DETAILED SPRINKLER DESIGN AND HYDRAULIC CALCULATIONS. THESE DRAWINGS SHALL BE SEALED AND SIGNED COMPLETE WITH LETTERS OF ASSURANCE SCHEDULE.
3. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO BE REVIEWED BY THE SEPARATE FIRE PROTECTION ENGINEER AND SUBMITTED TO THE MECHANICAL CONSULTANT FOR REVIEW PRIOR TO INSTALLATION.
4. ALL SPRINKLER PIPING IS TO BE COORDINATED WITH CEILING SPACE, STRUCTURAL WORK, AND OTHER TRADES.

SYMBOL SCHEDULE

NEW	EXISTING	DEMOLITION	
			SUPPLY OR OUTDOOR AIR DUCT UP
			SUPPLY OR OUTDOOR AIR DUCT DOWN
			RETURN AIR DUCT UP
			RETURN AIR DUCT DOWN
			BALANCING DAMPER
			DUCT OR PIPE CAP-OFF
			SUPPLY AIR DIFFUSER
			SUPPLY AIR GRILLE
			EXHAUST AIR GRILLE
			RETURN AIR GRILLE
HWS	HWS	HWS	HEATING WATER SUPPLY
HWR	HWR	HWR	HEATING WATER RETURN
			DOMESTIC COLD WATER (DCW)
			DOMESTIC HOT WATER (DHW)
			DOMESTIC HOT WATER RECIRC. (DHWR)
V	V	V	SANITARY VENT
			SANITARY SEWER ABOVE GRADE
			SANITARY SEWER BELOW GRADE
			DIRECTION OF FLOW
			PIPE DROP
			PIPE RISE
			2-WAY CONTROL VALVE
			BALANCING VALVE
			PENDANT SPRINKLER HEAD
			UPRIGHT SPRINKLER HEAD
- - -	- - -	- - -	GRILLE TYPE NECK / GRILLE SIZE AIR VOLUME (L/s)
-	-	-	EQUIPMENT / FIXTURE TYPE



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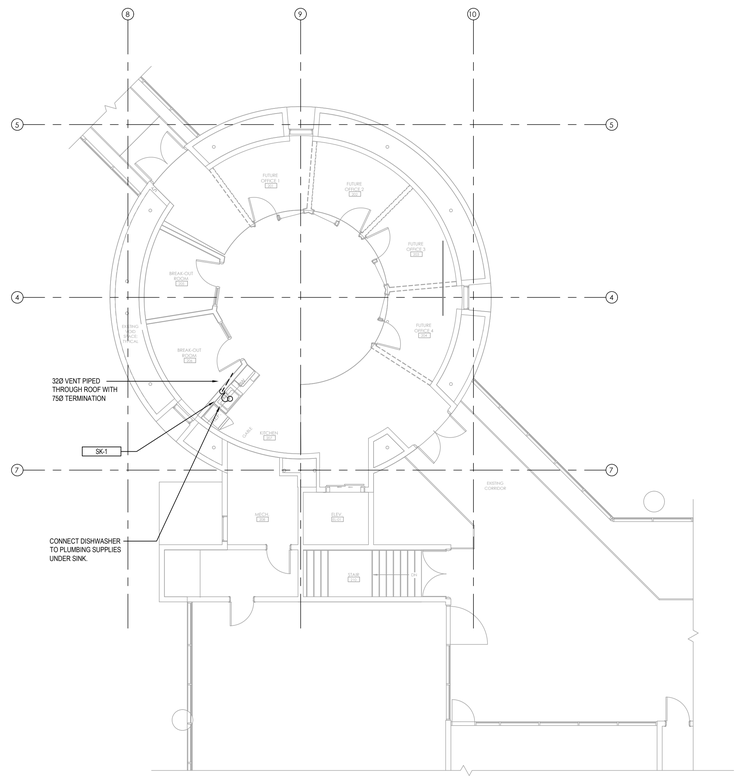

2 SECOND FLOOR
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ISSUES/REVISIONS

DATE	DESCRIPTION	#
2024-02-22	ISSUED FOR TENDER	1

Seal

2024-02-23
Association of Professional Engineers and Geoscientists of the Province of British Columbia
C. LANGEVIN
PROFESSIONAL LIFE SAFETY ENGINEERING
Licence 51214
Permit to Practice

Client

CITY OF PRINCE GEORGE
PRINCE GEORGE CONFERENCE AND CIVIC CENTRE

Project Title
PG TOURISM OFFICE
808 CANADA GAMES WAY,
PRINCE GEORGE

Drawing Title
MAIN & SECOND FLOOR
PLUMBING PLAN

Drawing info		Project Number
Scale	1 : 100	24030-T
Date	2023-12-21	Drawing Number
Drawn	CL	M201
Checked	CL	
Partner	CL	

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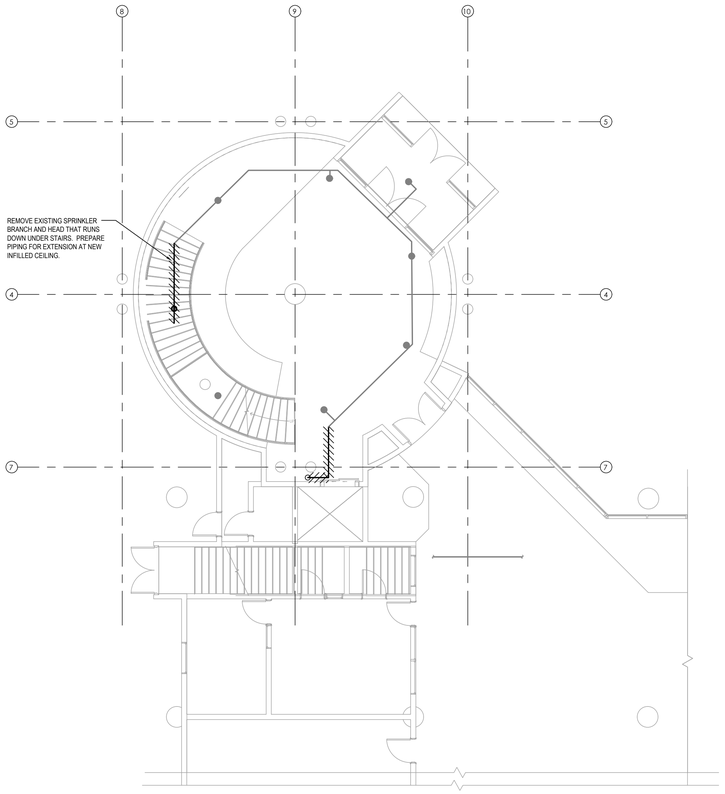

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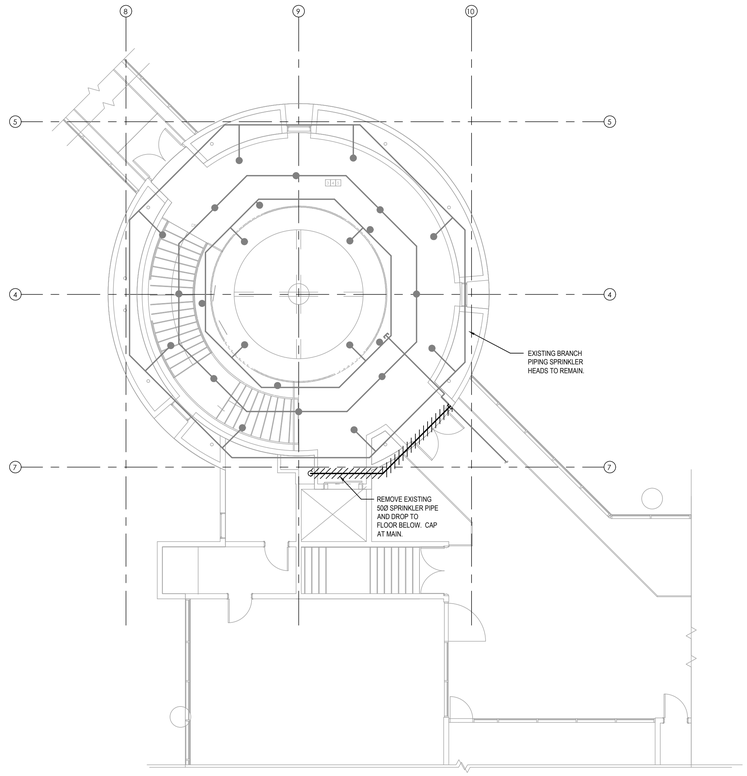

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CITY OF PRINCE GEORGE
PRINCE GEORGE CONFERENCE AND CIVIC CENTRE

Project Title
PG TOURISM OFFICE
808 CANADA GAMES WAY,
PRINCE GEORGE

Drawing Title
MAIN & SECOND FLOOR
FIRE PROTECTION
DEMOLITION PLAN

Drawing info	
Scale	1 : 100
Date	2023-12-21
Drawn	CL
Checked	CL
Partner	CL

Project Number
24030-T

Drawing Number
M202

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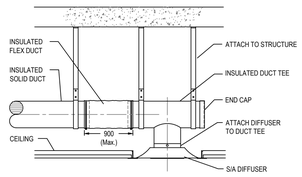
GRILLES & DIFFUSER SCHEDULE								
UNIT MARK	MANUFACTURER	MODEL	SERVICE	NOMINAL	CONNECTION	FINISH	MOUNTING	REMARKS
S-1	PRICE	SPD	SUPPLY	24"x24"	SEE DWG	MATCH EXISTING	T-BAR OR SURFACE	
R-1	PRICE	80	RETURN	SEE DWG	SEE DWG	B12	CEILING	

RE-HEAT COIL SCHEDULE												
UNIT	MANUFACTURER	MODEL	AREA SERVED	AIR SIDE				WATER SIDE				
				OUTPUT	FLOW	ENT AIR	LEAV AIR	AIR PRESS	FLOW	ENT WATER	LVG WATER	PD
				(MBH)	(CFM)	(DEG F)	(DEG F)	DROP (in H2O	(GPM)	(DEG F)	(DEG F)	(ft H2O)
RHC-1	GREENHECK	HWSS8501A-6x8-RH	SECOND FLOOR	9.8	260	55.0	3	0.32	1.0	200	180	0.356

NOTE: SEISMIC RESTRAINTS AS PER SPECIFICATIONS



SUPPLY AIR DIFFUSER DETAIL
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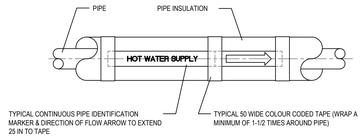
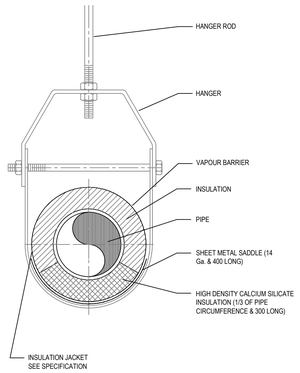


NOTES
APPLY A CONTINUOUS COATING OF CONTACT CEMENT TO THE LABEL TO ENSURE PERMANENT ADHESION

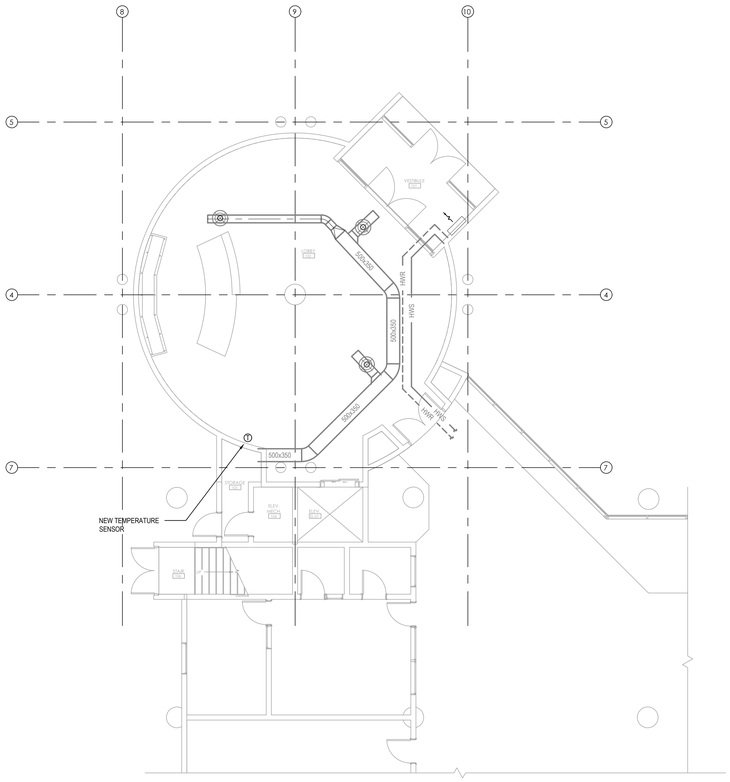
REFER TO SPECIFICATION FOR COLOUR CODING OF SERVICES

INSTALL AT 15000 INTERVALS (MAXIMUM) AND AT EACH CHANGE DIRECTION.

PIPE IDENTIFICATION DETAIL
N.T.S.



INSULATED PIPE HANGER DETAIL
N.T.S.



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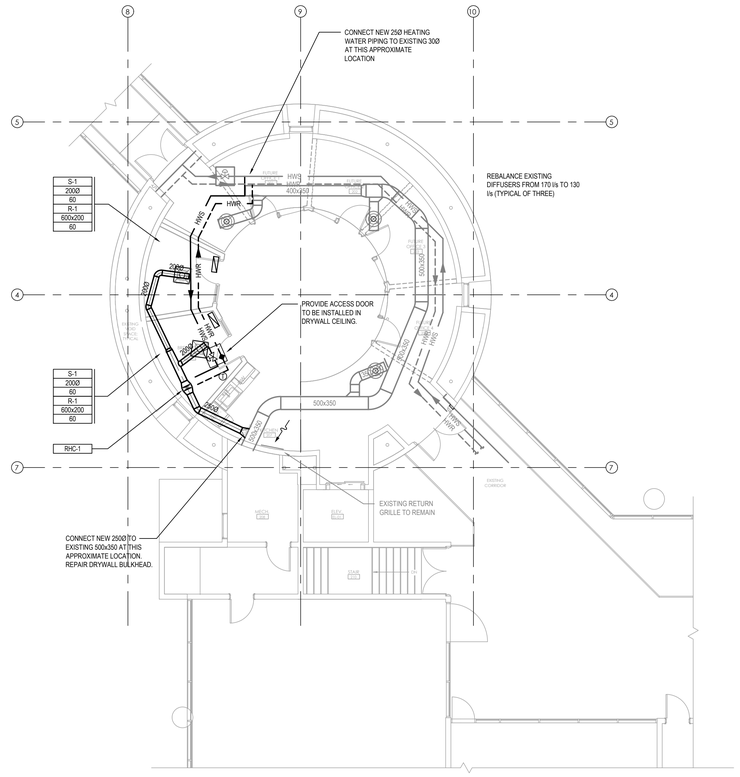

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Client

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PRINCE GEORGE CONFERENCE AND CIVIC CENTRE

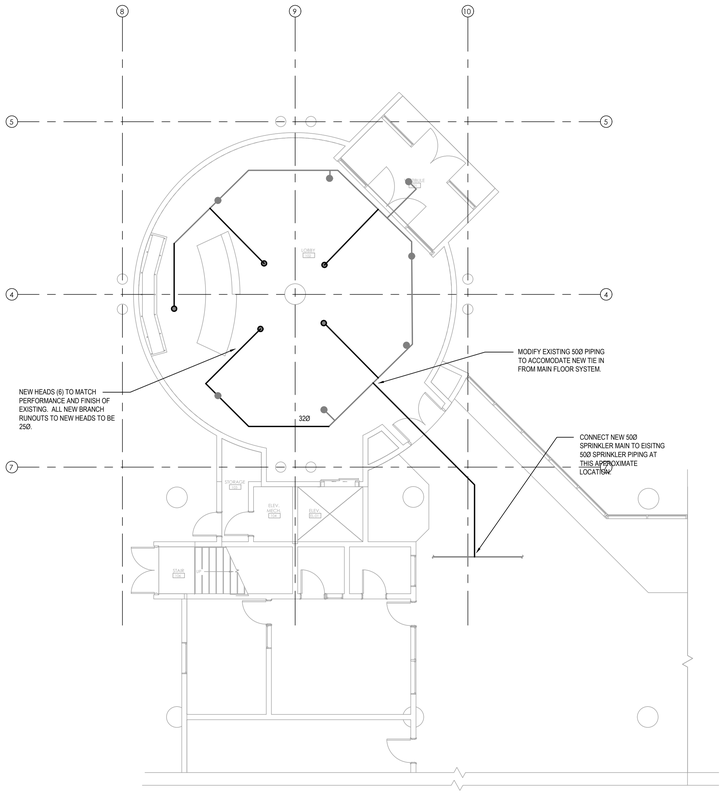
Project Title
PG TOURISM OFFICE
808 CANADA GAMES WAY,
PRINCE GEORGE

Drawing Title
MAIN & SECOND FLOOR
HVAC PLAN

Drawing info	
Scale	1 : 100
Date	2023-12-21
Drawn	CL
Checked	CL
Partner	CL

Project Number
24030-T

Drawing Number
M203



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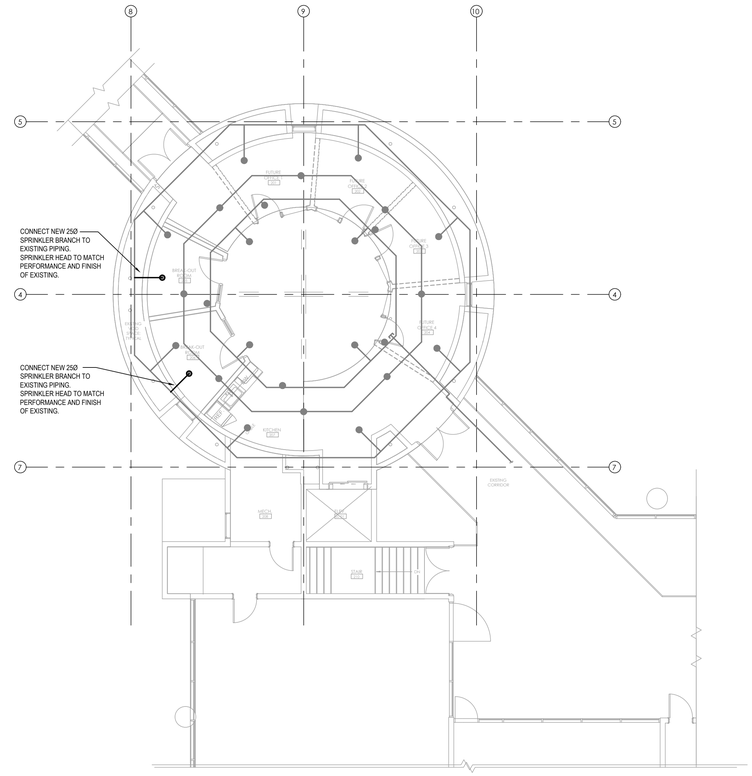

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PRINCE GEORGE CONFERENCE AND CIVIC CENTRE

Project Title
PG TOURISM OFFICE
808 CANADA GAMES WAY,
PRINCE GEORGE

Drawing Title
MAIN & SECOND FLOOR
FIRE PROTECTION
RENOVATION PLAN

Drawing info		Project Number
Scale	1 : 100	24030-T
Date	2023-12-21	Drawing Number
Drawn	CL	M204
Checked	CL	
Partner	CL	

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