

- TYPICAL: EXTEND NEW SANITARY AND STORM MAINS OUT TO 1.0 M OUTSIDE BUILDING WALL. CONTINUATION BY SITE SERVICES CONTRACTOR. COORDINATE INVERTS WITH SITE SERVICES AND PROVIDE CONNECTIONS TO PIPING INSTALLED BY SITE SERVICES CONTRACTOR. PROVIDE 2000/1500 TRANSITION AT CONNECTION OF NEW BUILDING SANITARY SEWER TO NEW SANITARY SERVICE OUTSIDE BUILDING.

- PROVIDE PRISON GRADE, S.S. TOILET AND LAVATORY COMBO WITH FACTORY INSTALLED VALVES AND INTERNAL PIPING CONNECTIONS, FLOOR MOUNTED, COMBINED WASTE, FLOOR DISCHARGE, FRONT ACCESS TYPE. PROVIDE ALL EXTERNAL PIPING CONNECTIONS AND INSTALL COMBO UNIT AS PER MANUFACTURER'S INSTRUCTIONS.

MECHANICAL NOTES:

- TYPICAL: D.H.W. TANK IN CEILING SPACE. PROVIDE HANGERS AND SUPPORTS AND SUSPEND FROM BUILDING STRUCTURE.
- STORM WATER RISER FROM ABOVE TO BELOW FLOOR. PROVIDE 500 HUB DRAIN WITH 320 P-TRAP, CONNECT TO STORM WATER RISER. PROVIDE 200 PIPING FROM HOT WATER TANK'S SAFETY RELIEF VALVE AND INDIRECT CONNECTION TO HUB DRAIN.
- PROVIDE 200 PIPING FROM HOT WATER TANK'S SAFETY RELIEF VALVE TO BELOW KITCHEN COUNTERTOP AND CONNECT TO SINK DRAIN PIPE UPSTREAM OF P-TRAP.
- 75ø VENT STACK INSIDE WALL.
- OFFSET VENT STACK IN CEILING SPACE AS REQUIRED TO INSTALL VENT PIPING INSIDE WALL AT SECOND FLOOR LEVEL.
- 75¢ SANITARY DOWN TO FLOOR BELOW. EXTEND TOP OF STACK WITH 75¢ VENT PIPING AND OFFSET IN CEILING SPACE AS REQUIRED TO INSTALL NEW VENT PIPING ON SECOND FLOOR LEVEL INSIDE WALL.

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15.10.05

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Professional Engineers

9 Holgate Court, Kanata, ON, K2K 1B4 Tel: 613—266—8226 Email: admin@jrpeng.com

Contractor to verify all dimensions & conditions on site and immediately

notify the engineer of all discrepancies.

GROUND FLOOR PLAN **PLUMBING**

TARMAC

Designed By	L.M.K.	Concu par
Date	2015/10	(yyyy/mm/dd)
Drawn By	L.M.K.	Dessine par
Date	2015/10	(yyyy/mm/dd)
Reviewed By	JRP	Examine par
Date	2015/10	(yyyy/mm/dd)
Approved By	JRP	Approuve par
Date	2015/10	(yyyy/mm/dd)
Tender		Soumission
	Departmental Representati	ve

Administrateur de projets Project Manager

M-1

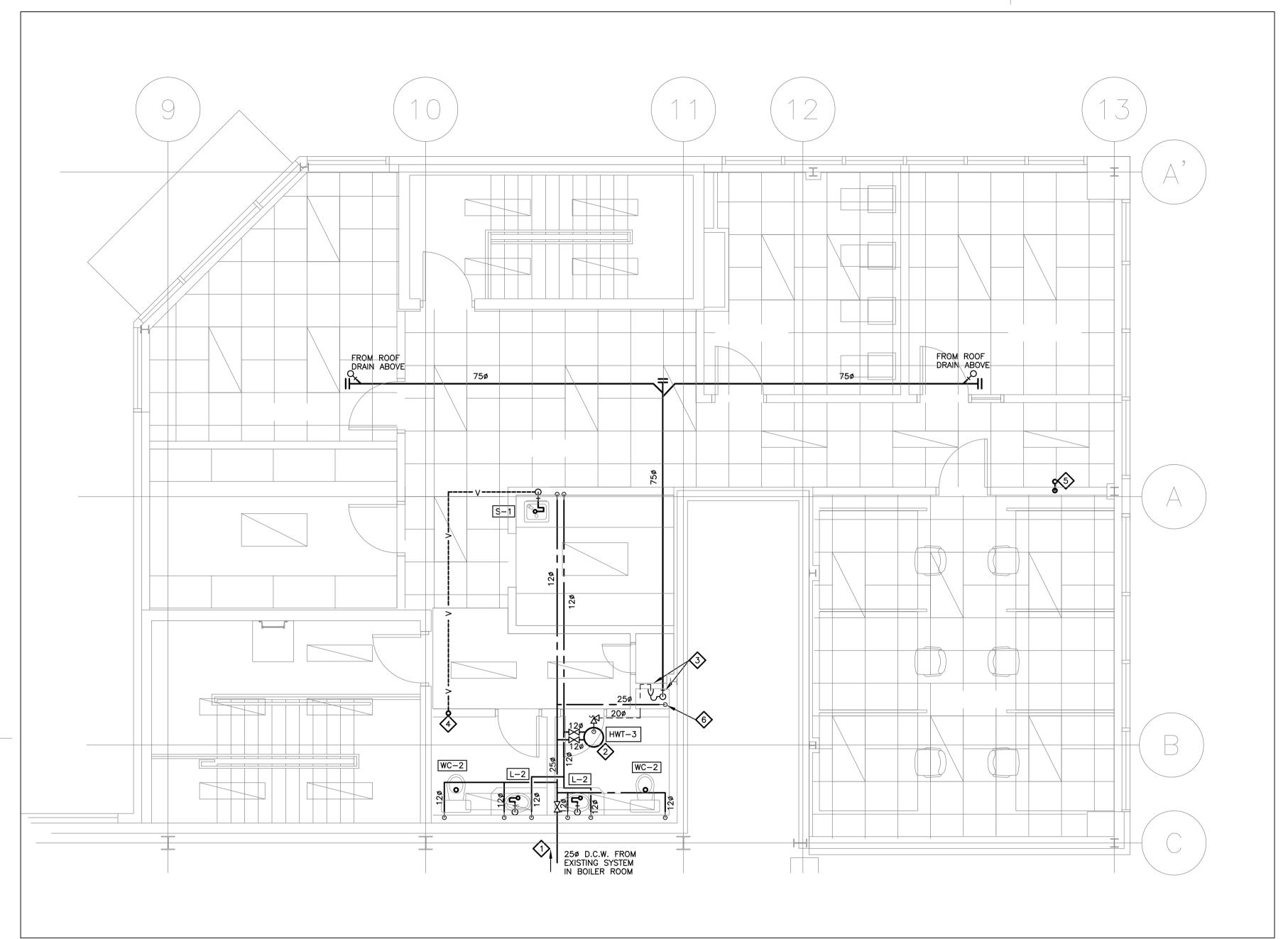
PTS 3043 No. du dessin

NEW ADDITION — GROUND FLOOR — PLUMBING
SCALE 1:50

	PLUMBING FIXTURE SCHEDULE											
No.*	51/47/105 D/05	PLUMBING CONNECTIONS			NS MAKE/		TRIM					
110.	FIXTURE TYPE	D.H.W.	D.C.W.	TRAP	VENT	MODÉL	MAKE	MODEL	ACCESSORIES	REMARKS		
WC-1	BARRIER FREE FLOOR MOUNTED WATER CLOSET	1	1/2"	INTERNAL	1-1/2"	AMERICAN STANDARD CADET, 2467-100	1	1	OPEN FRONT SEAT, WITH COVER	ELONGATED RIM, ULTRA LOW CONSUMPTION, FLUSH TANK. HANDICAPPED USE.		
WC-2	FLOOR MOUNTED WATER CLOSET	ı	1/2"	INTERNAL	1-1/2"	AMERICAN STANDARD CADET, 2462-100	-	_	OPEN FRONT SEAT, WITH COVER	ELONGATED RIM, ULTRA LOW CONSUMPTION, FLUSH TANK. PRESSURE ASSISTED.		
L-1	COUNTERTOP LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"	AMERICAN STANDARD CADET, 9491-001	POWERS	S1910	OFFSET P-TRAP, VALVED SUPPLIES.	HANDICAPPED USE INSTALLATION 2-HOLES, 4" CENTERS.		
L-2	COUNTERTOP LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"	AMERICAN STANDARD CADET, 9491-001	POWERS	S1910	P-TRAP, VALVED SUPPLIES.	2—HOLES, 4" CENTERS. —		
S-1	SS KITCHEN SINK SINGLE BOWL	1/2"	1/2"	1-1/2"	1-1/4"	ARISTALINE LBS2708-1	CAMBRIDGE BRASS	26T2124	P-TRAP, VALVED SUPPLIES, DRAIN ASSEMBLY.	WITH FAUCET LEDGE, SELF RIMMING, 3—HOLE DRILLING 204 mm WIDESPREAD.		
S-2	SERVICE SINK	1/2"	1/2"	3"	1-1/2"	FIAT PRODUCTS MSB-36x24	FIAT PRODUCTS	830-AA	MOP BRACKET, BUMPER GUARD, DRAIN CONNECT., HOSE AND BRACKET.	MOLDED STONE MOP BASIN WITH INTEGRAL S.S. DRAIN BODY, STRAINER, LINT BASKET.		
WC-L-1	BARRIER FREE TOILET/LAVATORY S.S. COMBO	1/2"	1"	INTERNAL	1-1/2"	ACORN – PENAL-WARE 1435-FA-LO-3-DMS-04M- -HET-FVH-CW-HS-PH-SW		-	PIPING PRE-INSTALLED.	STAINLESS STEEL, PENAL—WARE TOILET AND LAV COMBO WITH PAPER HOLDER & WALL SLEEVE		

*CONTRACTOR TO PROVIDE LISTED PLUMBING FIXTURES (REFER TO DRAWINGS FOR QUANTITY) OR CONSULTANT APPROVED EQUIVALENT

LEGEND										
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION							
SYMBOL SYMBOL	SUPPLY AIR DIFFUSER OR REGISTER RETURN AIR GRILLE LINEAR DIFFUSER GRILLE AND DIFFUSER MARKER: SIZE; CAPACITY (L/S); TYPE (REFER TO SCHEDULE) RELOCATED THERMOSTAT AS SHOWN SPEED CONTROLLER TEMPERATURE SENSOR TIME CLOCK BY DIV. 16. EXISTING DUCT NEW DUCTWORK THERMAL INSULATION ACOUSTIC INSULATION EXISTING FLEXIBLE DUCT NEW FLEXIBLE DUCT CAP DUCT OR PIPE AS INDICATED NEW CONICAL SIDE TAKE—OFF C/W BALANCING DAMPER	XMBOL	DESCRIPTION DENOTES NEW DENOTES EXISTING DENOTES REMOVAL DENOTES DRAIN PIPING BELOW SLAB DENOTES DRAIN PIPING ABOVE SLAB NEW D.C.W. PIPING EXISTING D.C.W. PIPING NEW D.H.W. PIPING EXISTING D.H.W. PIPING SANITARY VENT PIPING EXISTING HEATING WATER SUPPLY PIPE EXISTING HEATING WATER RETURN PIPE NEW HEATING WATER SUPPLY PIPE NEW HEATING WATER RETURN PIPE SATE OR BALL VALVE BALANCING VALVE FLOOR DRAIN WITH P—TRAP SAFETY RELIEF VALVE PRESSURE REDUCING VALVE BACKFLOW PREVENTER							
	NOT ALL SYMBOLS SHOWN IN LEGEND ARE	NECESSARILY US	SED IN THE DRAWING SET.							



NEW ADDITION — SECOND FLOOR — PLUMBING SCALE 1:50

	PLUMBING EQUIPMENT SCHEDULE												
No.*	FIXTURE TYPE	PLUMBING CONNECTIONS		MAKE/	TRIM								
110.		D.H.W.	D.C.W.	TRAP	VENT	MODEL	MAKE	MODEL	ACCESSORIES	REMARKS			
FD-1	ROUND TOP FLOOR DRAIN	_	1/2"	3 "	-	WATTS FD-103-C-5.1-5 TPT	_	_	5"Ø NICKEL BRONZE TOP, TRAP PRIMING SEDIMENT BUCKET	PRIME FROM COLD WATER SUPPLY TO NEAREST PLUMBING FIXTURE			
C.O1	ADJUSTABLE FLOOR CLEANOUT	-	-	-	_	WATTS CO-104-C	-	-	C/W ACCES COVER SUITABLE FOR FLOOR TYPE				
HWT-1	HOT WATER HEATER	3/4"	3/4"	ı	_	JOHN WOOD SS-12-SEB-15 12 GALLON TANK	1	_	1 HEATING ELEMENT, 1.5 kW, 120/1/60.	COMPLETE WITH ALL SAFETIES AND CONTROLS.			
HWT-2	HOT WATER HEATER	3/4"	3/4"	-	_	JOHN WOOD SS-06-SEB-15 6 GALLON TANK	-	_	1 HEATING ELEMENT, 1.5 kW, 120/1/60.	COMPLETE WITH ALL SAFETIES AND CONTROLS.			
HWT-3	HOT WATER HEATER	3/4"	3/4"	_	_	JOHN WOOD SS-06-SEB-15 6 GALLON TANK	_	_	1 HEATING ELEMENT, 1.5 kW, 120/1/60.	COMPLETE WITH ALL SAFETIES AND CONTROLS.			

*CONTRACTOR TO PROVIDE LISTED PLUMBING FIXTURES (REFER TO DRAWINGS FOR QUANTITY) OR CONSULTANT APPROVED EQUIVALENT

MECHANICAL NOTES:

- NEW 250 D.C.W. FROM EXISTING SYSTEM IN BASE BUILDING. REFER TO DRAWING M-6 FOR CONTINUATION THROUGH EXISTING BUILDING AND CONNECTION TO EXISTING SYSTEM.
- TYPICAL: D.H.W. TANK IN CEILING SPACE. PROVIDE HANGERS AND SUPPORTS AND SUSPEND FROM BUILDING STRUCTURE.
- STORM WATER RISER INSIDE CLOSET. PROVIDE 500 HUB DRAIN WITH 320 P-TRAP, CONNECT TO STORM WATER RISER. PROVIDE 200 PIPING FROM HOT WATER TANK'S SAFETY RELIEF VALVE AND INDIRECT CONNECTION TO HUB DRAIN.
- 75¢ VENT STACK INSIDE WALL AND UP TO NEW VENT THROUGH ROOF.
- OFFSET VENT STACK IN CEILING SPACE AS REQUIRED TO AVOID COLLISION WITH ROOF JOIST AND CONNECT TO NEW VENT THROUGH ROOF.
- 6 250 D.C.W. DOWN TO GROUND FLOOR CEILING SPACE.

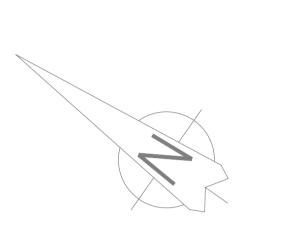
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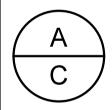
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1	ISSUED FOR TENDER	15.10.05
revisions	description	date



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drawing

SECOND FLOOR PLAN

PLUMBING

Designed By	L.M.K.	Concu par			
Date	2015/10	(yyyy/mm/dd)			
Drawn By	L.M.K.	Dessine par			
Date	2015/10	(yyyy/mm/dd)			
Reviewed By	J.R.P.	Examine par			
Date	2015/10	(yyyy/mm/dd)			
Approved By	J.R.P.	Approuve par			
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Tender		Soumission			

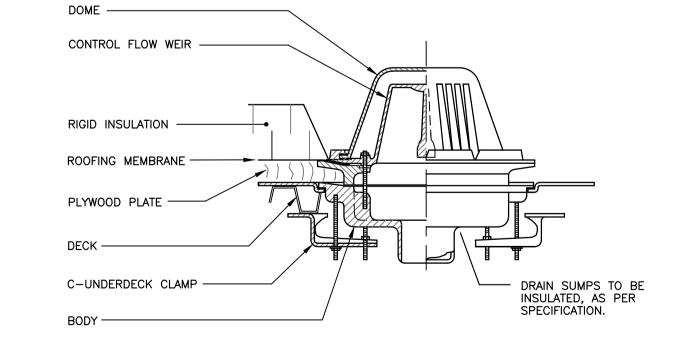
Departmental Representative Administrateur de projets Project Manager

Project no.

PTS 3043

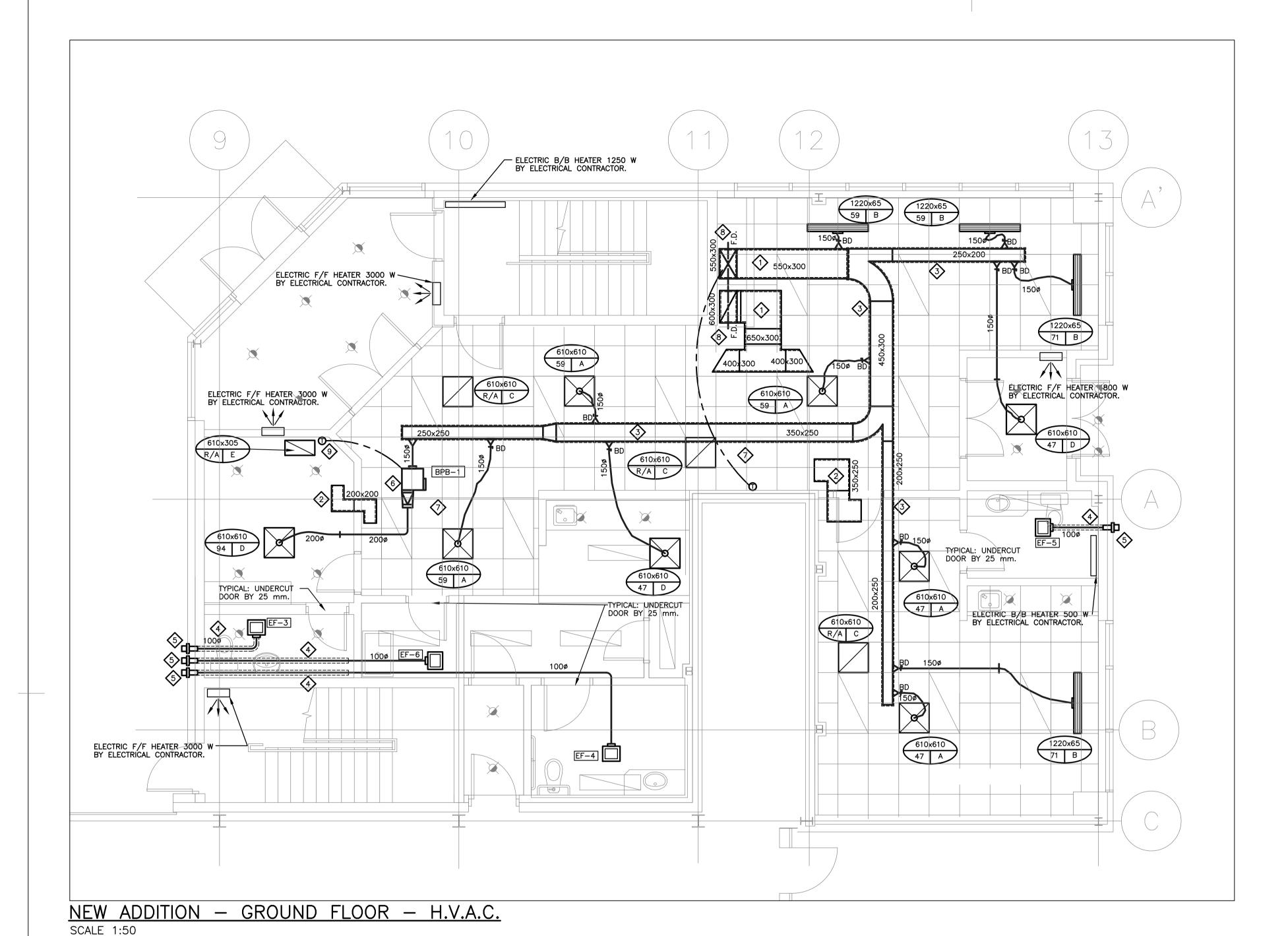
No. du dessin M-2

No. du projet



TYPICAL CONTROL FLOW ROOF DRAIN FOR REGULAR ROOF

SCALE _



MECHANICAL NOTES:

- TYPICAL: SUPPLY AND RETURN DUCTS C/W 25 mm THICK INTERNAL ACOUSTIC INSULATION AS
- TYPICAL: TRANSFER DUCT C/W 25 mm THICK ACOUSTIC INSULATION.
- TYPICAL: SUPPLY AIR DUCT MAIN C/W 25 mm THICK THERMAL INSULATION AND VAPOUR BARRIER.
- TYPICAL: ALL EXHAUST DUCTS TO BE THERMALLY INSULATED WITH 25 mm THICK THERMAL INSULATION AND VAPOUR BARRIER FOR MINIMUM 3.0 m FROM OUTSIDE WALL PENETRATION.
- TYPICAL: HOODED EXHAUST WALL CAP WITH ROUND CONNECTION TO BE PROVIDED WITH EXHAUST FAN AS PER FAN SCHEDULE NOTES.
- PROVIDE BY-PASS TERMINAL BOX WITH ELECTRONIC THERMOSTAT AND ACTUATOR FOR MODULATING CONTROL. BOX TO BE EQUAL TO EH PRICE, MODEL LGB, SIZE 6.
- TYPICAL: MECHANICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL CONTROL WIRING. WIRING TO EXISTING BASE BUILDING CENTRAL DDC SYSTEM TO BE BY BASE BUILDING CONTROLS CONTRACTOR.
- PROVIDE FIRE DAMPERS FOR SUPPLY AND RETURN AIR DUCTWORK WITHIN MECHANICAL SHAFT BETWEEN FIRST AND SECOND FLOORS.
- ELECTRONIC THERMOSTAT TO BE VANDAL-RESISTANT.

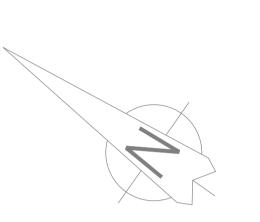
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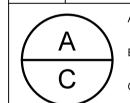
Professional Engineers

9 Holgate Court, Kanata, ON, K2K 1B4
Tel: 613-266-8226 Email: admin@jrpeng.com



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

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Project no.

Drawing no.

GROUND FLOOR PLAN

dessin

H.V.A.C.

Designed By	L.M.K.	Concu pa
Date	2015/10	(yyyy/mm/dd)
Drawn By	L.M.K.	Dessine pa
Date	2015/10	(yyyy/mm/dd)
Reviewed By	J.R.P.	Examine pa
Date	2015/10	(yyyy/mm/dd)
Approved By	J.R.P.	Approuve pa
Date	2015/10	(yyyy/mm/dd)
Tender		Soumission
	Departmental Representati	VA

Departmental Representative Administrateur de projets Project Manager

> No. du projet PTS 3043

No. du dessin M-3

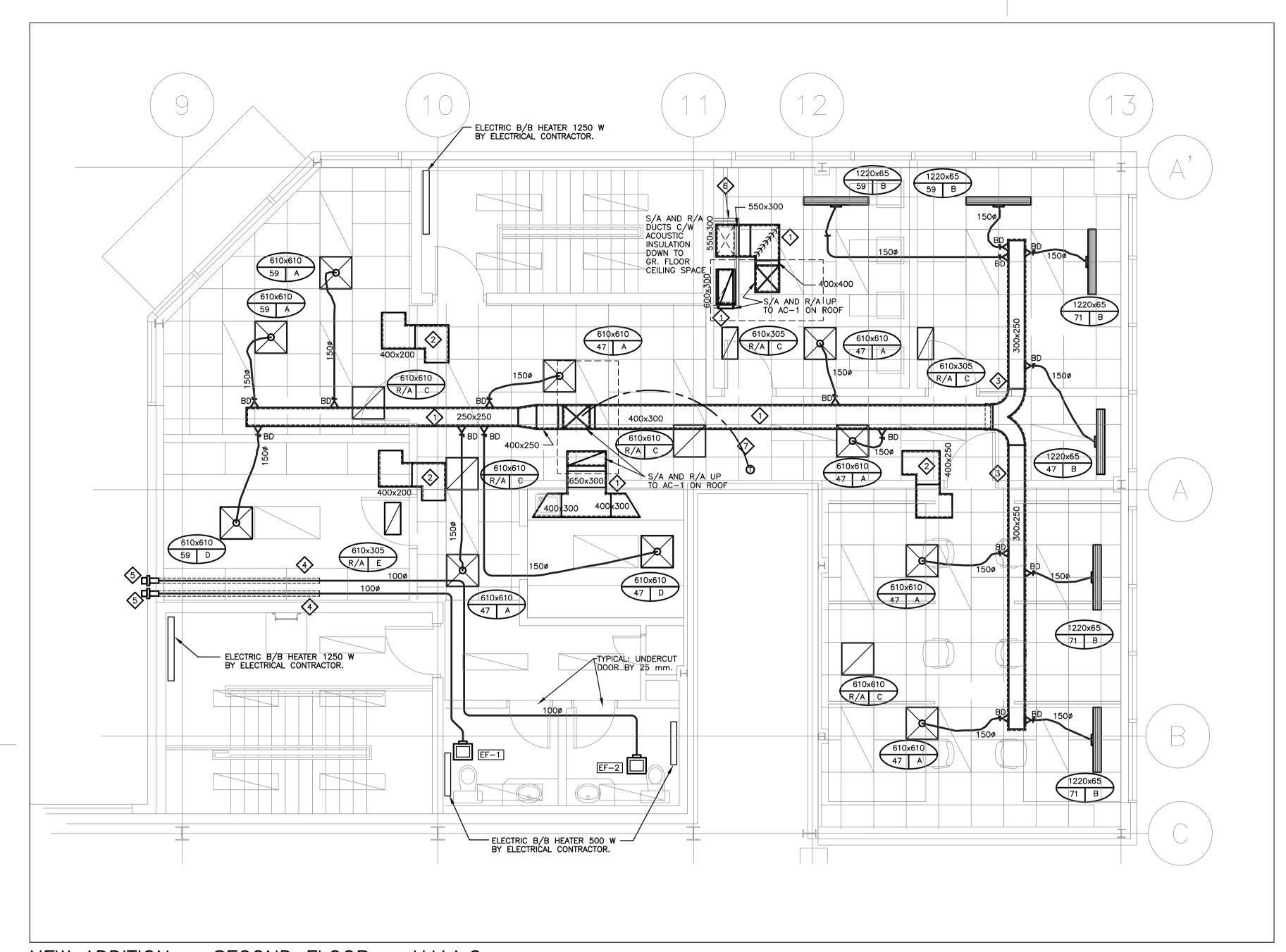
FAN SCHEDULE E.S.P. ELECTRICAL Pa. VOLT/PHASE CAPACITY L/S HP or WATTS SERVICE REMARKS LOCATION MODEL WASHROOM GREENHECK SP-B-80 C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND WASHROOM EF-1 94.0 115/1/60 WATT **EXHAUST** HOODED WALL CAP, 6x4 ROUND DUCT REDUCER. CEILING 54.3 WATT C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND HOODED WALL CAP, 6×4 ROUND DUCT REDUCER. WASHROOM GREENHECK SP-B-80 WASHROOM 115/1/60 EF-2 94.0 29 **EXHAUST** CEILING WASHROOM C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND GREENHECK SP-B-80 WASHROOM EF-3 94.0 115/1/60 29 WATT **EXHAUST** HOODED WALL CAP, 6x4 ROUND DUCT REDUCER. CEILING WASHROOM GREENHECK SP-B-80 C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND WASHROOM EF-4 94.0 115/1/60 29 WATT EXHAUST CEILING HOODED WALL CAP, 6x4 ROUND DUCT REDUCER. WASHROOM GREENHECK SP-B-80 C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND WASHROOM EF-5 94.0 115/1/60 29 WATT **EXHAUST** HOODED WALL CAP, 6x4 ROUND DUCT REDUCER. CEILING 54.3 WATT GREENHECK SP-B-80 JANITOR ROOM JANITOR ROOM C/W CEILING GRILLE, INTERNALLY MOUNTED SPEED CONTROLLER, WC-4 ROUND 29 94.0 115/1/60 EF-6

HOODED WALL CAP, 6x4 ROUND DUCT REDUCER.

*CONTRACTOR TO PROVIDE LISTED FANS (REFER TO DRAWINGS FOR QUANTITY) OR CONSULTANT APPROVED EQUIVALENT

EXHAUST

CEILING



NEW ADDITION — SECOND FLOOR — H.V.A.C. SCALE 1:50

	GRILLES AND DIFFUSERS SCHEDULE												
* TYPE SERVICE		S	IZE	BALANC.	FINISH	* MODEL	REMARKS						
	SERVICE	DUCT COLLAR	FACE	DAMPER	1 1141311	WODEL	TALIAN INTO						
Α	SUPPLY	SAME AS BRANCH DUCT	610x610	NO	OFF-WHITE	SCD /3	FOR T-BAR CEILING						
В	SUPPLY	SAME AS BRANCH 1220x65		NO	OFF-WHITE	SDS/SDA-50	LINEAR SLOT DIFFUSER WITH PLENUM. 1220 LONG, 2-SLOTS AT 13 mm SPACING. C/W TYPE 14 BORDER FOR T-BAR CEILING.						
С	RETURN	_	AS SHOWN	NO	OFF-WHITE	CORE 80	FOR T-BAR CEILING						
D	SUPPLY	_	610x610	NO	OFF-WHITE	SCD /1	FOR DRYWALL CEILING						
E	RETURN	_	AS SHOWN	NO	OFF-WHITE	80 F/D/A	FOR DRYWALL CEILING						

* SELECTION BASED ON "E.H. PRICE" EQUIPMENT

MECHANICAL NOTES:

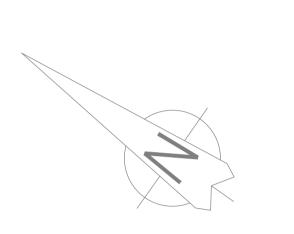
- TYPICAL: SUPPLY AND RETURN DUCTS C/W 25 mm THICK INTERNAL ACOUSTIC INSULATION AS INDICATED.
- TYPICAL: TRANSFER DUCT C/W 25 mm THICK ACOUSTIC INSULATION.
- TYPICAL: SUPPLY AIR DUCT MAIN C/W 25 mm THICK THERMAL INSULATION AND VAPOUR BARRIER.
- TYPICAL: ALL EXHAUST DUCTS TO BE THERMALLY INSULATED WITH 25 mm THICK THERMAL INSULATION AND VAPOUR BARRIER FOR MINIMUM 3.0 m FROM OUTSIDE WALL PENETRATION.
- TYPICAL: HOODED EXHAUST WALL CAP WITH ROUND CONNECTION TO BE PROVIDED WITH EXHAUST FAN AS PER FAN SCHEDULE NOTES.
- 6 DUCT SHAFT TO BE PROVIDED BY GENERAL CONTRACTOR.
- TYPICAL: MECHANICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL CONTROL WIRING.

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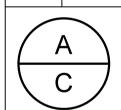
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drawing

SECOND FLOOR PLAN

H.V.A.C.

Designed By	L.M.K.	Concu par				
Date	2015/10	(yyyy/mm/dd)				
Drawn By	L.M.K.	Dessine par				
Date	2015/10	(yyyy/mm/dd)				
Reviewed By	J.R.P.	Examine par				
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Approved By	J.R.P.	Approuve par				
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Tender		Soumission				
Departmental Representative						

Project no.

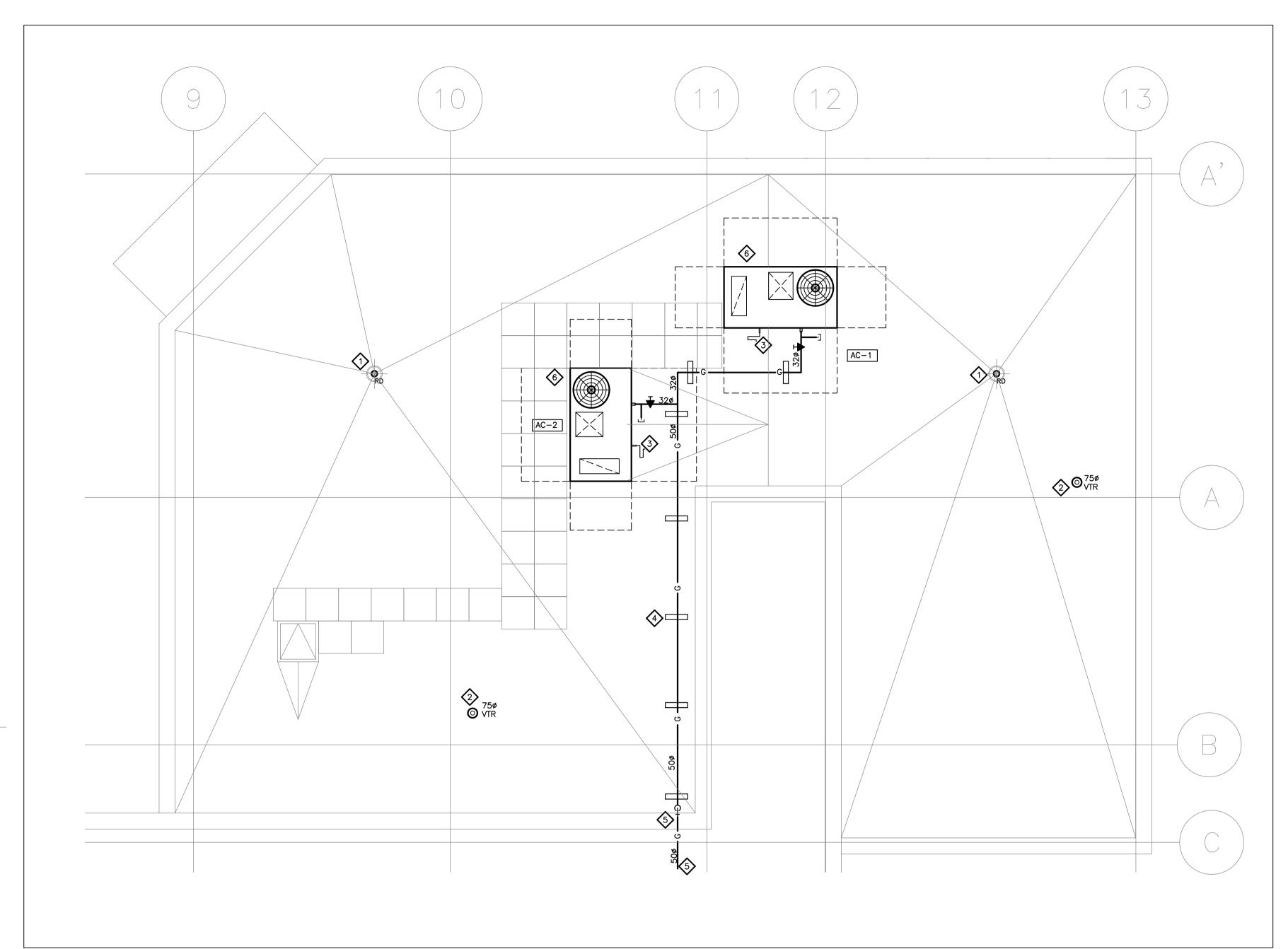
PTS 3043

No. du dessin M-4

No. du projet

PWGSC A1 (841x594)

^{*} CONTRACTOR TO PROVIDE LISTED GRILLES AND DIFFUSERS (REFER TO DRAWINGS FOR QUANTITY) OR CONSULTANT APPROVED EQUIVALENT



NEW ADDITION - ROOF PLAN

SCALE 1:50

AIR CONDITIONING UNIT SCHEDULE												
No.	MAKE/ MODEL	AIR FLOW L/S	E.S.P. Pa.	HEATING INPUT kW	TYPE	TEMP. RISE ('C)	COOLING kW	COOLING TYPE	FAN HP	ELECTR. SERVICE	M.C.A./ BREAKER (Amps)	REMARKS
AC-1	LENNOX LGH-048- H4T	755	125	43.9 2-STAGE	NATURAL GAS	46.3	14.7	DX	0.75	575/3/60	11/15	HIGH EFFICIENCY, BELT DRIVEN 2—SPEED, HIGH HEAT 2—STAGE.
AC-2	LENNOX LGH-048- H4T	802	125	43.9 2-STAGE	NATURAL GAS	69.4	14.7	DX	0.75	575/3/60	11/15	HIGH EFFICIENCY, BELT DRIVEN 2—SPEED, HIGH HEAT 2—STAGE.

EACH UNIT TO BE COMPLETE WITH FOLLOWING:

- TWO STAGE HEATING;

- STAINLESS STEEL HEAT EXCHANGER,

- PRODIGY UNIT CONTROLLER WITH DDC COMMUNICATION PROVISIONS;

- CRANKCASE HEATERS;

- DUAL ENTHALPY ECONOMIZER CONTROL C/W DAMPERS AND HOODS;

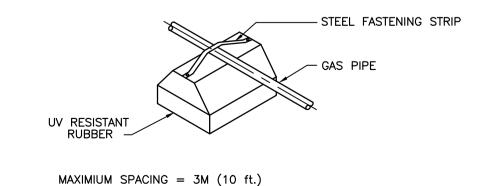
- CO2 DETECTOR WITH MOUNTING KIT,

- 450 mm ROOF CURB,

- SAFETY CONTROLS, INCLUDING HIGH LIMIT, FREEZESTAT, AIR PROVING SWITCH, FLAME SENSING,

- LOW AMBIENT CONTROLS;

- WEATHERPROOF DISCONNECT SWITCH,



GAS PIPING SUPPORT ON ROOF

MECHANICAL NOTES:

CONNECT TO ROOFTOP UNIT'S CONDENSATE DRAIN PAN OUTLET, PROVIDE P-TRAP AND PIPED DRAIN TO ROOF SURFACE.

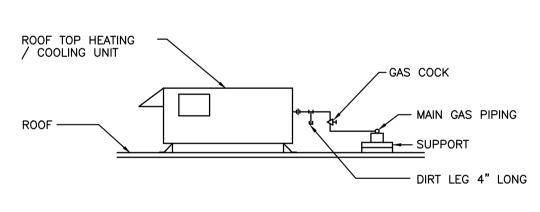
TYPICAL: ALL GAS PIPING ON ROOF TO BE INSTALLED ON SUPPORTS AS PER TYPICAL DETAIL.

TYPICAL: PROVIDE NEW CONTROLLED FLOW ROOF DRAIN AS PER SPECIFICATIONS.

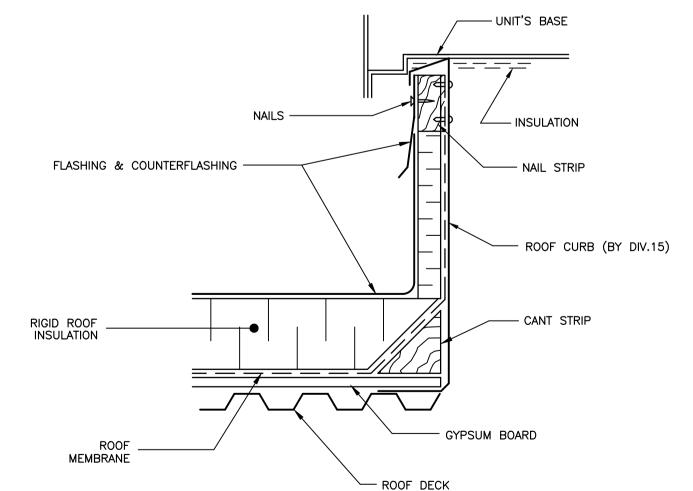
TYPICAL: PROVIDE 750 VENT THROUGH ROOF ASSEMBLY WITH FLASHING AND COUNTER-FLASHING.

NEW GAS PIPING FROM EXISTING GAS METER AND FROM EXISTING BUILDING'S ROOF DOWN TO NEW ROOF LEVEL. SEE DRAWING M-6 FOR CONTINUATION AND CONNECTION TO EXISTING METER.

TYPICAL: PROVIDE ROOFTOP UNIT AS INDICATED. REFER TO AIR CONDITIONER EQUIPMENT SCHEDULE. NEW ROOFTOP UNIT TO BE CONNECTED TO EXISTING BACS, MECHANICAL CONTRACTOR TO CARRY COST OF BASE BUILDING CONTROLS CONTRACTOR.



GAS CONNECTION TO UNIT ON ROOF



ROOF CURB INSTALLATION DETAIL

GENERAL NOTE: COORDINATE ROOF ASSEMBLY WITH ARCHITECTURAL DIVISION. TYPE OF ROOF SHOWN HERE IS FOR GENERAL INFORMATION ONLY AND DOES NOT NECCESSARILY RESEMBLE ACTUAL ROOF TYPE.

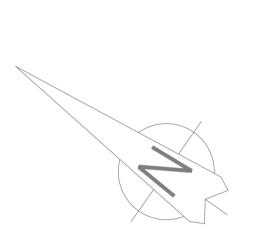
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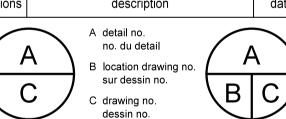
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Drawing no.

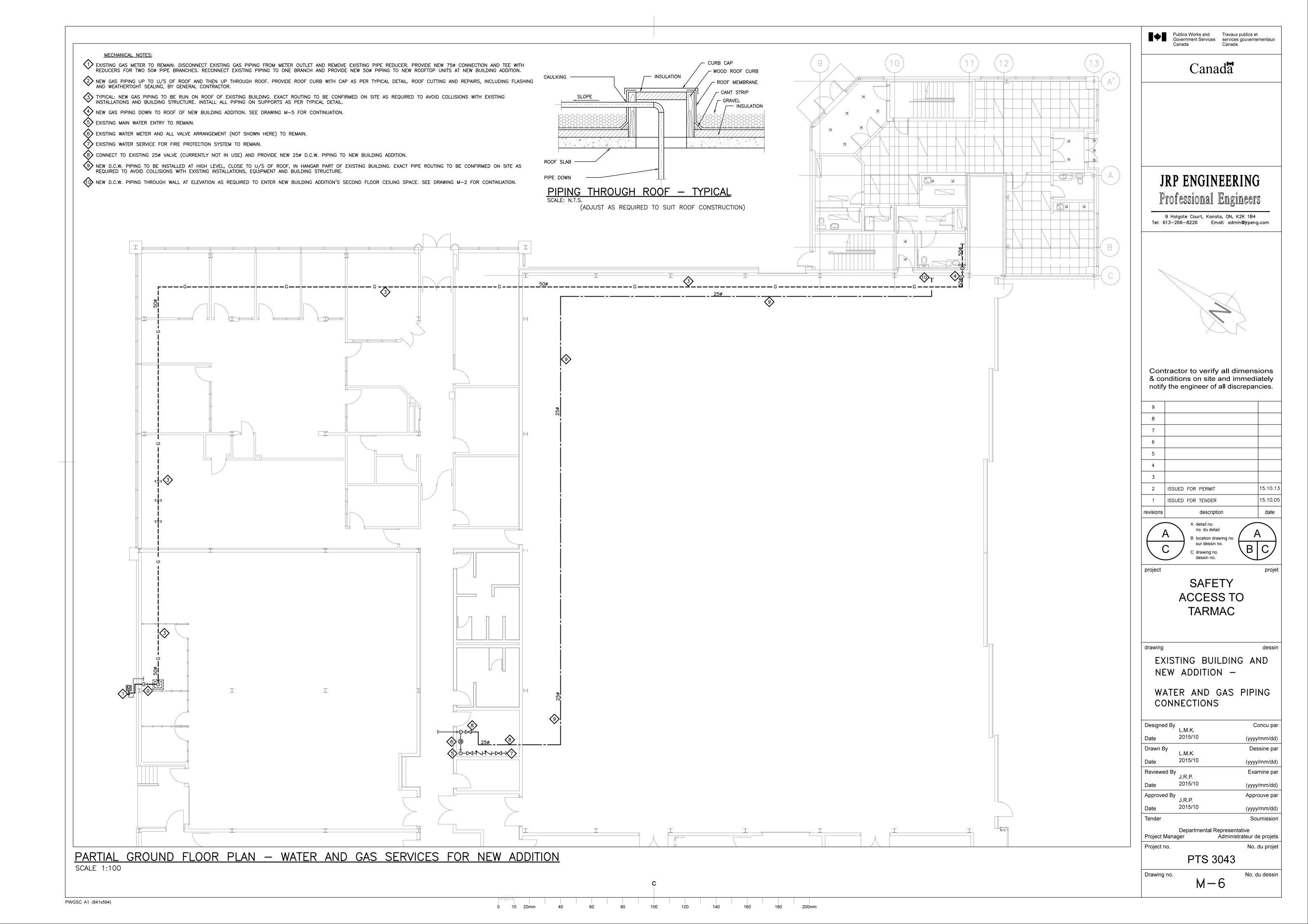
ROOF PLAN AND DETAILS

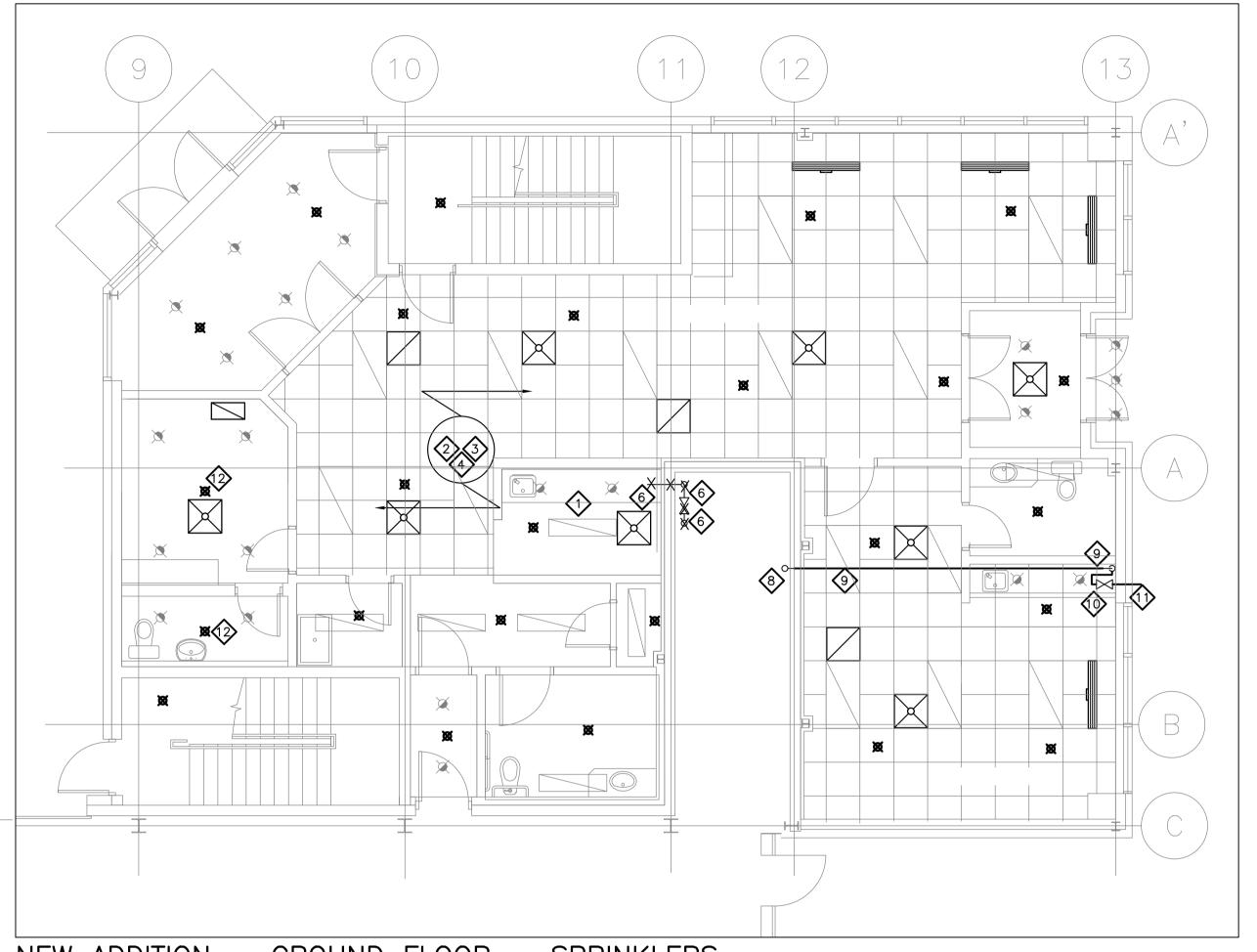
Designed By	L.M.K.	Concu pa
Date 2015/10		(yyyy/mm/dd
Drawn By	L.M.K.	Dessine pa
Date	2015/10	(yyyy/mm/dd
Reviewed By	J.R.P.	Examine pa
Date	2015/10	(yyyy/mm/dd
Approved By	J.R.P. 2015/10	Approuve pa
Date		(yyyy/mm/dd)
Tender		Soumission
Departmenta Project Manager		Representative Administrateur de projets

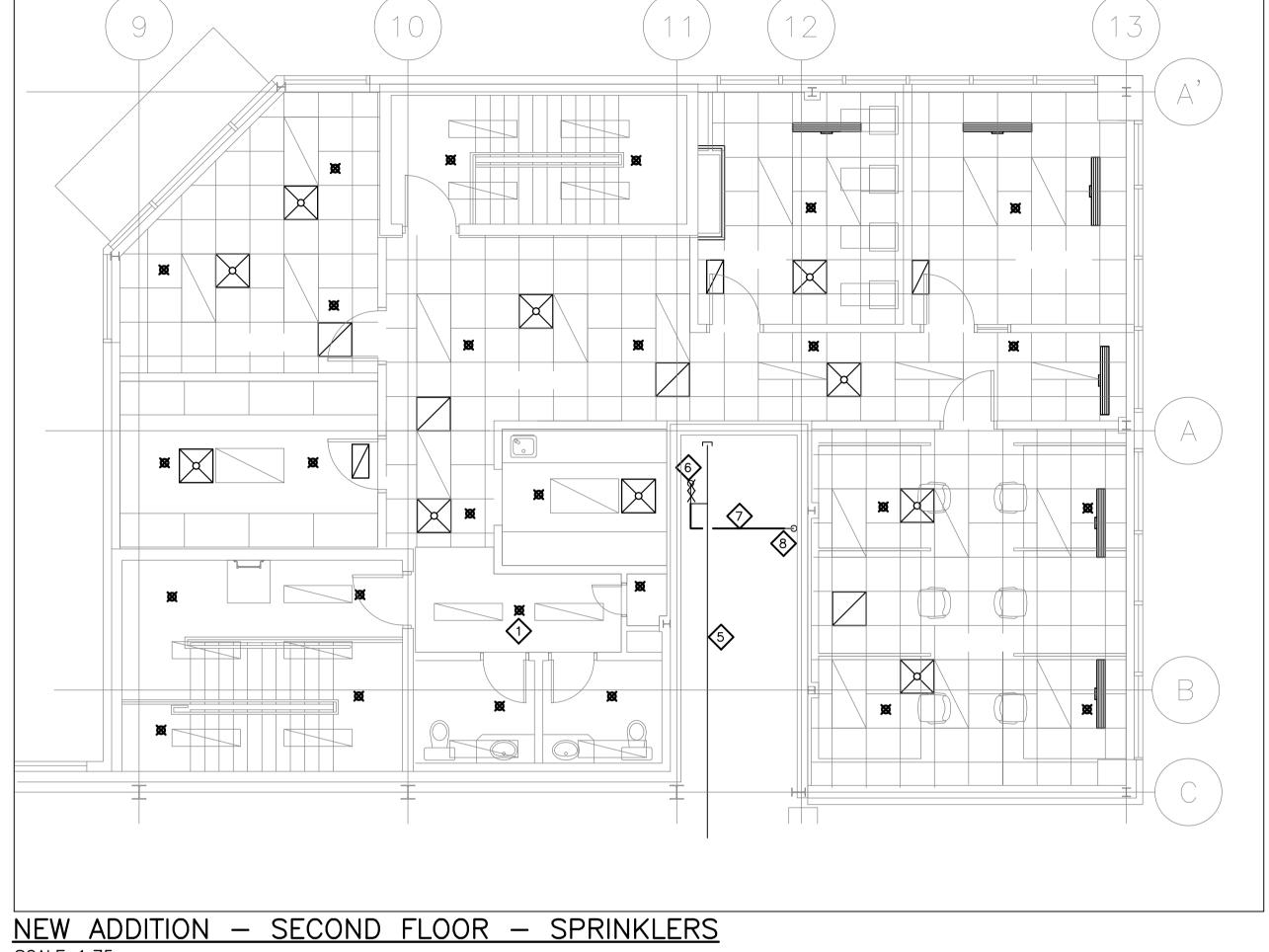
Project no. No. du projet

PTS 3043

No. du dessin M-5







NEW ADDITION - GROUND FLOOR - SPRINKLERS

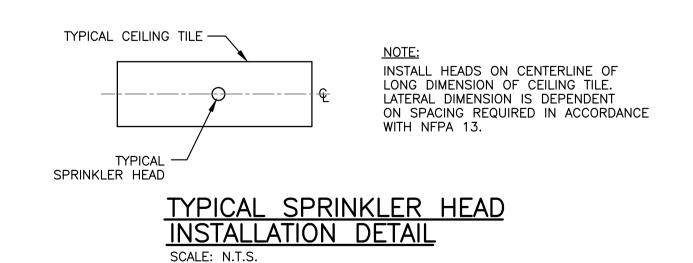
SCALE 1:75

DRAWING NOTES:

- TYPICAL: PROVIDE NEW PENDANT SPRINKLER HEAD AT PROPOSED LOCATION. FIRE PROTECTION CONTRACTOR TO CONFIRM EXACT LOCATION AS REQUIRED FOR COMPLIANCE WITH NFPA-13.
- TYPICAL: SPRINKLER SYSTEM DISTRIBUTION PIPING (NOT SHOWN HERE) TO BE DESIGNED BY CERTIFIED FIRE PROTECTION CONTRACTOR AS BASED ON HYDRAULIC CALCULATIONS. COPY OF HYDRAULIC CALCULATIONS TO BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER AND TO BE PROVIDED TO THE OWNER.
- 3 ALL NEW SPRINKLER DISTRIBUTION PIPING TO BE INSTALLED IN JOIST SPACE WHERE POSSIBLE. ALL PIPING LAYOUT AND LOCATIONS TO BE COORDINATED WITH NEW AND EXISTING INSTALLATIONS AND BUILDING
- REFER TO DRAWING M-6 FOR LOCATION OF MAIN WATER ENTRY AND WATER SUPPLY TO FIRE PROTECTION SYSTEM IN BOILER ROOM OF EXISTING BUILDING. EXACT POINT OF CONNECTION OF NEW SPRINKLER SYSTEM SERVING BUILDING ADDITION AND OF ROUTING OF NEW PIPING MAIN THROUGH EXISTING BUILDING TO BE
- 5 EXISTING SPRINKLER PIPE LOCATED AT HIGH LEVEL IN HANGAR AREA TO REMAIN.
- REMOVE EXISTING SPRINKLER TEST VALVE, DISCHARGE PIPING CURRENTLY PENETRATING EXISTING WALL TO OUTSIDE OF EXISTING BUILDING AND PART OF EXISTING PIPING CONNECTION TO TO EXISTING SPRINKLER MAIN
- CONNECT TO EXISTING PIPE BRANCH AND PROVIDE NEW 250 INSPECTOR TEST PIPING AS INDICATED. EXACT ROUTING OF NEW PIPING TO BE COORDINATED AS REQUIRED TO AVOID COLLISIONS WITH HANGAR DOORS, EXISTING SYSTEMS AND BUILDING STRUCTURE.
- BRING NEW INSPECTOR TEST PIPING DOWN ALONG WALL TO APPROXIMATELY 3 m A.F.F. AND THROUGH EXISTING WALL TO INSIDE OF GROUND FLOOR CEILING SPACE OF NEW BUILDING ADDITION. EXACT LOCATION AND ELEVATION TO BE CONFIRMED ON SITE.
- PRUN NEW PIPING IN GROUND FLOOR CEILING SPACE AND DOWN ALONG OUTSIDE WALL TO BELOW KITCHEN COUNTER. PIPE FURRING BETWEEN CEILING SPACE AND COUNTERTOP BY GENERAL CONTRACTOR.
- PROVIDE NEW 25¢ INSPECTOR TEST VALVE WITH ALL TAGS, LABELS AND PROTECTION AS REQUIRED TO COMPLY WITH NFPA-13. LOCATE NEW VALVE IN SPACE BELOW KITCHEN COUNTER.
- PROVIDE NEW PIPING DISCHARGE TO OUTSIDE THROUGH NEW BUILDING ADDITION WALL AS PER NFPA-13. WALL CUTTING AND REPAIRS BY GENERAL CONTRACTOR.
- 12 TYPICAL OF TWO: PROVIDE INSTITUTIONAL SPRINKLER HEAD WITH LOCKING ESCUTCHEON RING.

GENERAL NOTES:

- 1. ALL SPRINKLER WORK TO BE IN ACCORDANCE WITH LATEST EDITION OF NFPA 13.
- 2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN COMPLIANCE WITH LATEST EDITION OF NFPA-13.
- 3. ALL WORK SHALL BE DONE BY A CERTIFIED FIRE PROTECTION CONTRACTOR.
- 4. ALL FINAL LOCATIONS OF SPRINKLER HEADS SHALL COMPLY WITH THE NFPA-13 REQUIREMENTS.



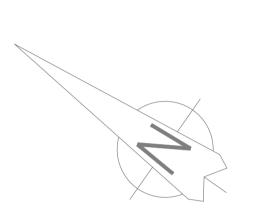
Publics Works and
Government Services
Canada

Travaux publics et services gouvernementaux
Canada

Canada

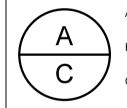
JRP ENGINEERING Professional Engineers

9 Holgate Court, Kanata, ON, K2K 1B4
Tel: 613-266-8226 Email: admin@jrpeng.com



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

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1	ISSUED FOR TENDER	15.10.05
revisions	description	date



drawing

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SAFETY **ACCESS TO**

dessin

TARMAC

NEW BUILDING ADDITION

SPRINKLER SYSTEM

Designed By L.M.K.		Concu par
Date 2015	2015/10	(yyyy/mm/dd)
Drawn By L.M.K.	Dessine par	
Date	2015/10	(yyyy/mm/dd)
Reviewed By J.R.P.	Examine par	
Date	2015/10	(yyyy/mm/dd)
Approved By J.R.P. Date 2015/10	Approuve par	
	(yyyy/mm/dd)	
Tender		Soumission

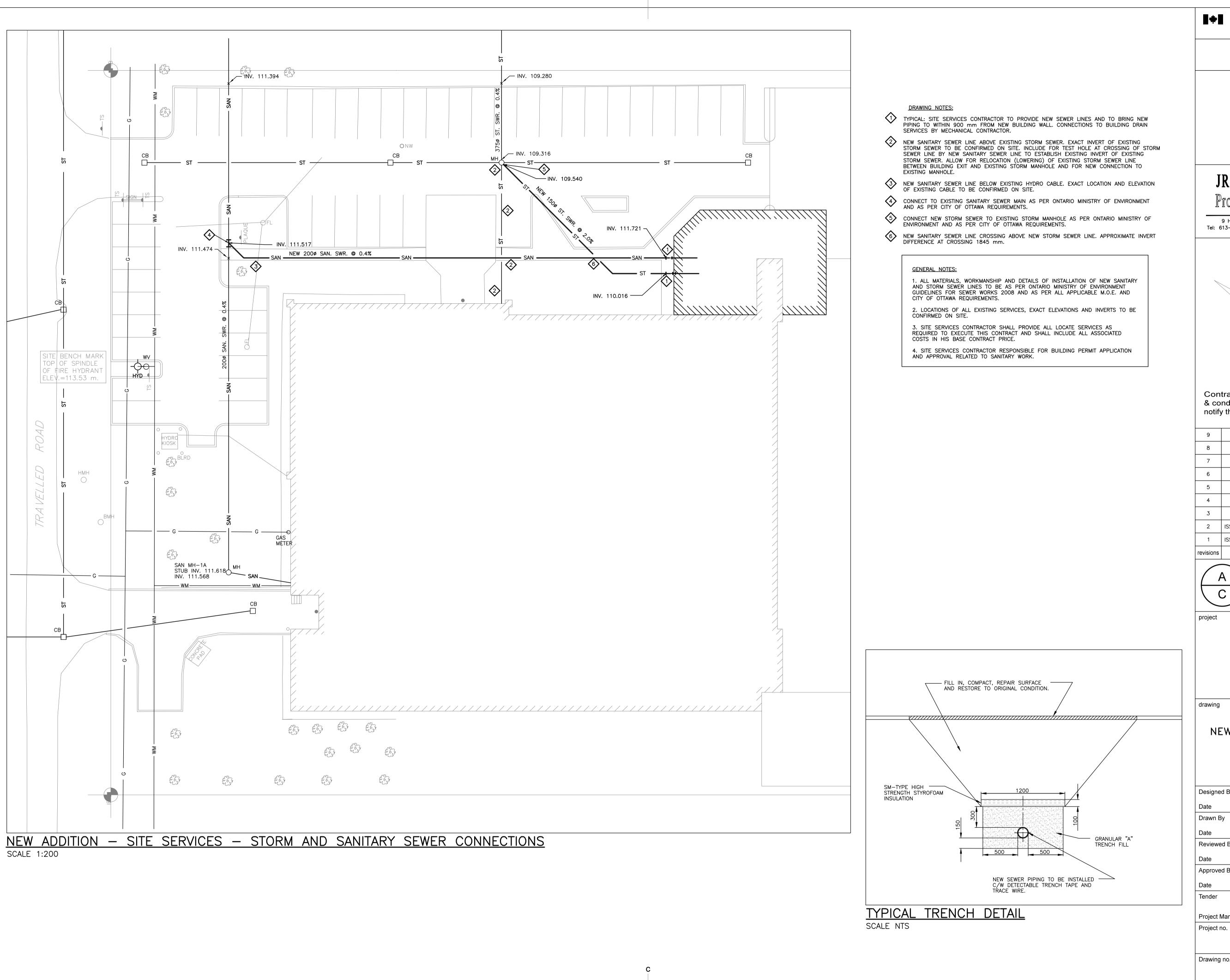
Departmental Representative Administrateur de projets Project Manager

Project no.

No. du projet PTS 3043

Drawing no. No. du dessin M-7

PWGSC A1 (841x594)



Publics Works and Travaux publics et Services gouvernementaux

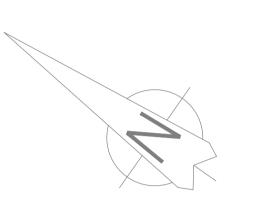
Canada

JRP ENGINEERING

Professional Engineers

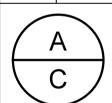
9 Holgate Court, Kanata, ON, K2K 1B4

Tel: 613-266-8226 Email: admin@jrpeng.com



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

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SAFETY ACCESS TO **TARMAC**

NEW BUILDING ADDITION

dessin

SITE SERVICES

Designed By	L.M.K.	Concu par
Date	2015/10	(yyyy/mm/dd)
Drawn By	L.M.K.	Dessine par
Date	2015/10	(yyyy/mm/dd)
Reviewed By J.R.P.	Examine par	
Date	2015/10	(yyyy/mm/dd)
Approved By	proved By J.R.P.	Approuve par
Date 2015/10	2015/10	(yyyy/mm/dd)
Tender		Soumission
Departmental Representative		Penresentative

Departmental Representative Administrateur de projets Project Manager No. du projet

PTS 3043

No. du dessin SS-1

PWGSC A1 (841x594)