

MECHANICAL LEGEND

PLUMBING/PIPING

DOMESTIC COLD WATER	
DOMESTIC HOT WATER	
DOMESTIC HOT WATER RECI.	
SANITARY WASTE ABOVE GROUND	
SANITARY WASTE BELOW SLAB	
STORM LINE	
SANITARY VENT	
DIRECTION OF FLOW	
GAS LINE	
REFRIGERANT LIQUID	
REFRIGERANT SUCTION	
HEATING WATER SUPPLY	
HEATING WATER RETURN	
CONDENSATE DRAIN	

VALVES

SHUT OFF VALVE	
CONTROL VALVE (MOTORIZED)	
ULC BACKFLOW PREVENTER	
CHECK VALVE	
CIRCUIT BALANCING VALVE	
STRAINER	
GAS COCK	
PRESSURE REDUCING VALVE	
CLEANOUT PLUG	
FLOOR	
NON-FREEZE HOSE BIBB	
HOSE BIBB	
FLOOR / SHOWER DRAIN	
PUMP	

AIR OUTLET TAG

SUPPLY GRILLE	SG	QUANTITY
RETURN GRILLE	RG	TYPE
EXHAUST GRILLE	EG	NECK SIZE (mm)
TRANSFER GRILLE	TG	FLOW (L/S)
LOUVRE	L	
S/A DIFFUSER	SD	

AIR DISTRIBUTION

SUPPLY AIR (S/A)	
RETURN AIR (R/A)	
EXHAUST AIR (E/A) / RELIEF AIR	
OUTDOOR AIR (O/A)	
COMBUSTION AIR (C/A)	
ACOUSTICALLY LINED DUCTWORK	
BALANCING DAMPER	
FIRE DAMPER (F.D.)	
BACKDRAFT DAMPER (BDD)	
ACOUSTICALLY INSULATED TRANSFER DUCT	
DOOR GRILLE	
ACCESS PANEL	
AIR TERMINAL BOX C/W HOT WATER REHEAT COIL	
12MM DOOR UNDERCUT (TYP. FOR ALL DOORS IN LIVING PODS & WASHROOMS)	

CONTROLS

SIGHT GLASS	
FLOW SENSOR	
TEMP. SENSOR	
THERMOMETER	
PRESSURE GAUGE	
THERMOSTAT	
FAN ON/OFF SWITCH	
VARIABLE SPEED CONTROLLER	
MOTORIZED DAMPER	

EQUIPMENT/PLUMBING FIXTURE TAG

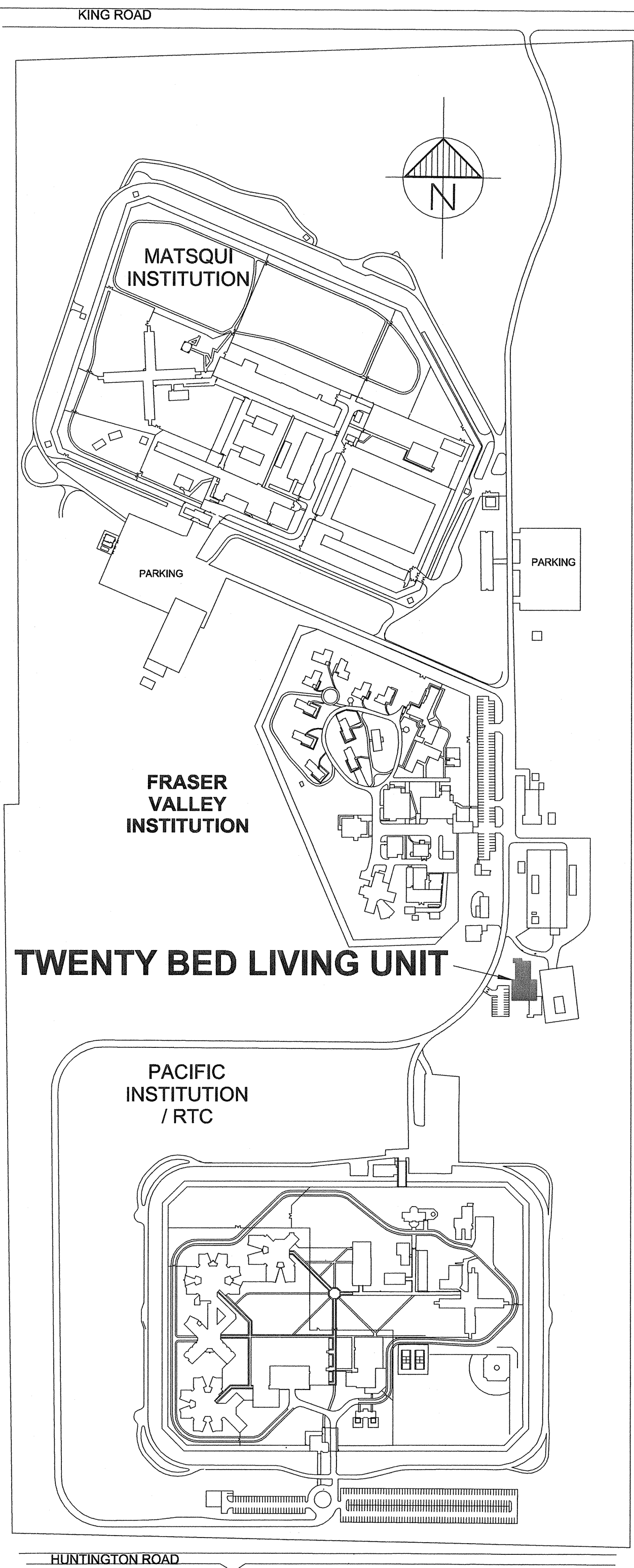
TRANSFER AIR	TA	WATER CLOSET	WC
FANS EXHAUST	EF	WATER CLOSET & LAV. COMBO	WC/LAV
FORGE FLOW HEATER	FFH	LAVATORY	LAV
PUMP	P	URINAL	UR
DOMESTIC HOT WATER TANK	DHWT	SINK	SK
COOLING COIL	CC	MOP/JANITOR SINK	JS
FURNACE	FU	SHOWER	SH
EXPANSION TANK	ET	TEMPERATURE MIXING VALVE	TMV
BOILER	B	FLOOR DRAIN	FD
AIR CONDITIONER	AC	RAIN WATER LEADER	RWL
AIR-COOLED CONDENSER UNIT	CU	ABOVE FINISHED FLOOR LEVEL	AF
AIR HANDLING UNIT	AHU	AUTOMATIC AIR VENT	AAV
HEAT RECOVERY VENTILATOR	HRV	NON-FREEZE HOSE BIBB	NFHB
RANGE HOOD	RH	REDUCED PRESSURE BACKFLOW PREVENTER	RBPB
CABINET UNIT HEATER	CUH	EXPANSION TANK	ET
UNIT HEATER	UH	AIR SEPARATOR	AS
VARIABLE SPEED DRIVE	VSD	NORMALLY CLOSED	NC
HEAT RECOVERY VENTILATOR	HRV	NORMALLY OPEN	NO
AIR HANDLING UNIT	AHU		
AIR TERMINAL BOX (VAV)	ATB		
RADIANT PANEL			

FIRE PROTECTION/PIPING

UPRIGHT SPRINKLER HEAD	
RECESSED SPRINKLER HEAD	
SIWALL SPRINKLER HEAD	
DRY SIWALL SPRINKLER HEAD	
SIAMESE LINE	
SPRINKLER LINE	
FIRE EXTINGUISHER	
ULC SUPERVISED VALVE	

KEY PLAN

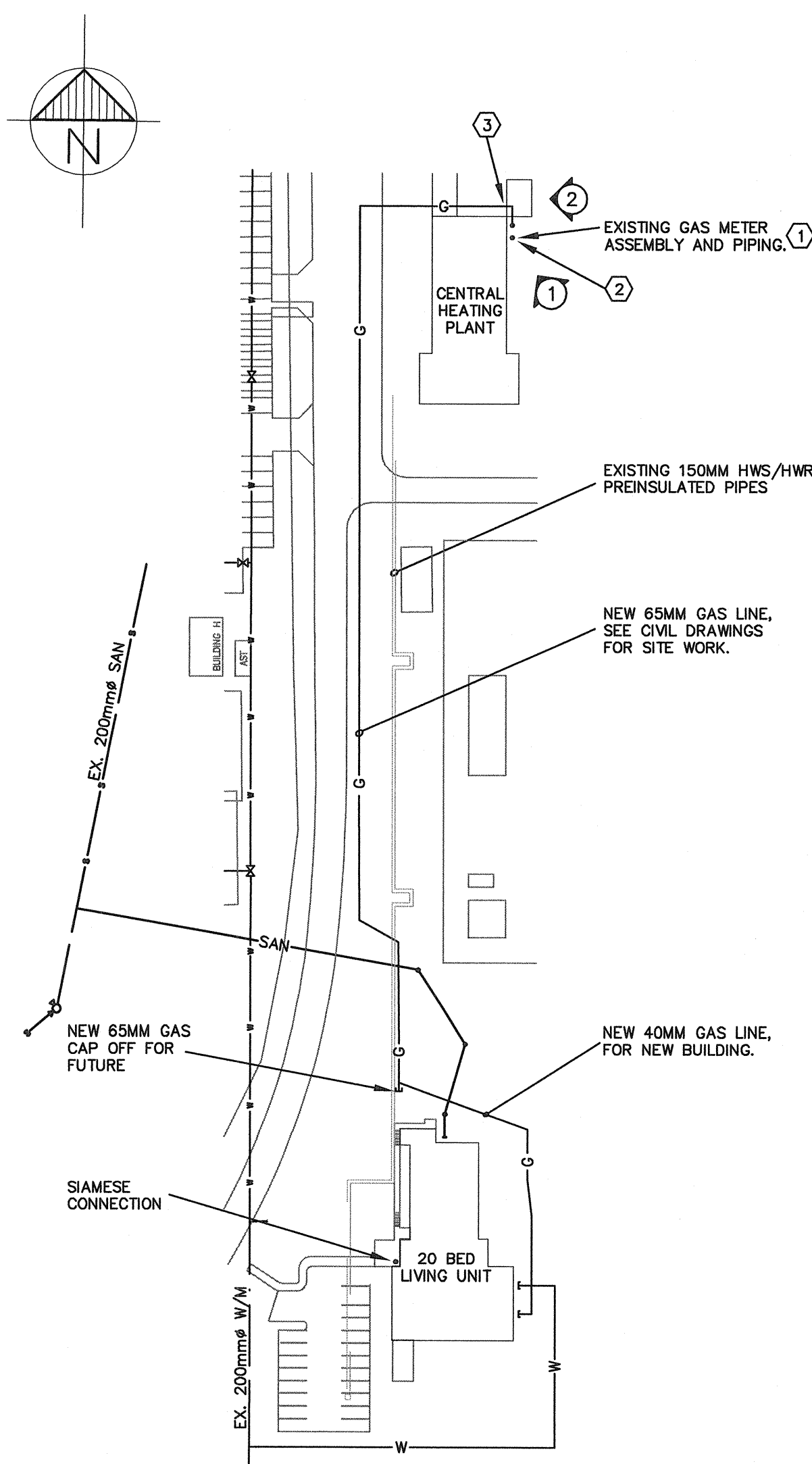
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DRAWING LIST:

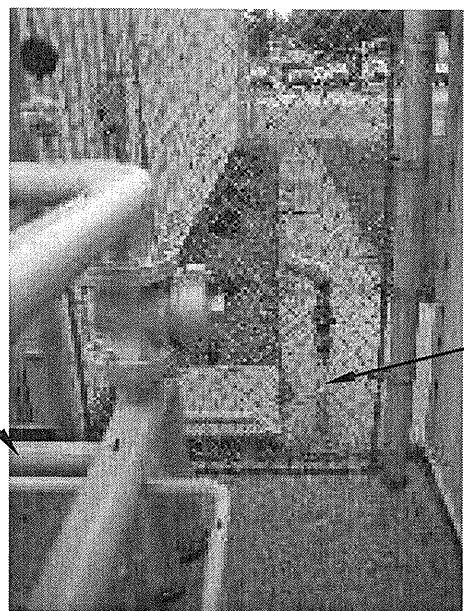
- M1 LEGEND/KEY PLAN/DRAWING LIST
- M2 FOUNDATION PLAN/DRAINAGE
- M3 FLOOR PLAN - MAIN LEVEL HVAC
- M4 FLOOR PLAN - MAIN LEVEL PLUMBING
- M5 FLOOR PLAN - FIRE PROTECTION
- M6 FLOOR PLAN - LEVEL 2 HVAC
- M7 FLOOR PLAN - LEVEL 2 PLUMBING
- M8 FLOOR PLAN - LEVEL 2 FIRE PROTECTION
- M9 ROOF PLAN
- M10 SECTIONS
- M11 SECTIONS
- M12 DETAILS
- M13 SCHEMATICS & DETAILS
- M14 SCHEMATICS

SITE PLAN - GAS CONNECTION

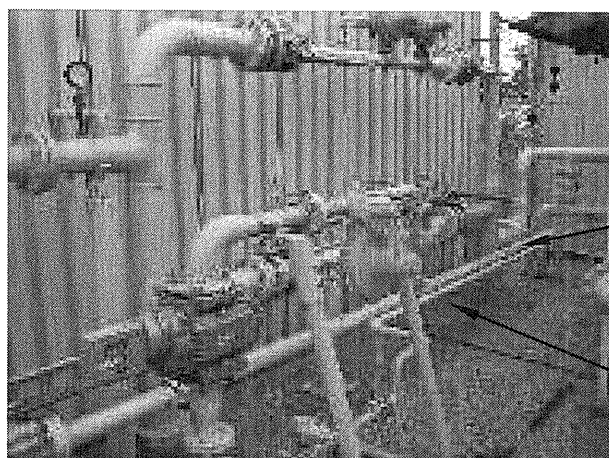


GAS LOADS
NEW BUILDING

BOILER:	B-1	250 CFH
	B-2	250 CFH
FURNACE:	F-1	100 CFH
	F-2	100 CFH
DHWH:	DHWT-1	200 CFH
	DHWT-2	200 CFH
SUBTOTAL:		1,100 CFH
FUTURE EXPANSION ALLOWED:		700 CFH
TOTAL:		1,800 CFH



EXISTING SITE PHOTO
NTS



EXISTING GAS SERVICE PHOTO
NTS

SPECIFIC NOTES:

- EXISTING 75MM GAS LINE AT 5 PSI.
- CONNECT NEW 65MM GAS LINE TO EXISTING 75MM GAS LINE WITH ISOLATION VALVE AND HOT TAP CONNECTION. EXACT LOCATION OF CONNECTION TO BE COORDINATED WITH CHP ENGINEER. RUN NEW GAS LINE TO OUTSIDE FENCE AT APPROX. 75MM AFF, AND DROP DOWN TO UNDERGROUND AT PAVED AREA.
- DROP NEW 65MM GAS LINE TO UNDERGROUND AT PAVED SIDEWALK AREA. RUN NEW GAS LINE UNDERGROUND AT GRASS AREA WITH A MINIMUM 2400MM FROM BUILDING. MAKE GOOD/REPAIR PAVED SIDEWALK AND SITE SURFACE TO MATCH WITH EXISTING. SEE CIVIL DRAWING.



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5	ISSUED FOR COORDINATION	SEPT 4 2012
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3	COORDINATION PROGRESS SET	MAY 23 2012
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Revision/Revision	Description/Description	Date/Date
Client/client		

CORRECTIONAL SERVICE OF CANADA

Project title/Titre du projet
FRASER VALLEY INSTITUTION
33344 KING ROAD, ABBOTSFORD, BC
TWENTY BED LIVING UNIT

Consultant Approval Box Only
Designed by/Concept par
PHILIP FUNG
Drawn by/Dessiné par
ACE
PWGSC Project Manager/Administrateur de Projets TPSGC
Patrick Truong
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architectural et de génie, TPSGC

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LEGEND/KEY PLAN/DRAWING LIST

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