

## PLUMBING AND HEATING

	PIPE BOTTOM TAKE-OFF		AUTOMATIC AIR ELIMINATOR / VENT
	SIMPLE CONNECTION		PUMP
	PIPE CAP		TWO WAY MOTORIZED VALVE
	PIPE CONTINUATION		PRESSURE GAUGE
	DRAIN ABOVE SLAB		FLOW METER
	DRAIN BELOW SLAB		DOMESTIC COLD WATER
	SANITARY DRAIN		DOMESTIC HOT WATER
	CHECK VALVE		VENT
	UNION TYPE JOINT		FUEL OIL SUPPLY
	FLEXIBLE JOINT		FUEL OIL RETURN
	STRAINER		FUEL OIL VENT
	BALL VALVE (OPEN)		CHEMICAL FEED, NORMAL OPERATION
	BALL VALVE (CLOSE)		CHEMICAL FEED, FIRE OPERATION
	GATE VALVE (OPEN)		EMERGENCY EYE WASH STATION
	GATE VALVE (CLOSE)		FIRE EXTINGUISHER
	FIRE VALVE		CHLORINE CONTROLLER
	BUTTERFLY VALVE (NORMALLY OPEN)		ELECTRIC THERMOSTAT
	BUTTERFLY VALVE (NORMALLY CLOSED)		
	SAFETY VALVE		

## HVAC

	UPWARD AND DOWNWARD SUPPLY DUCT
	UPWARD AND DOWNWARD RETURN OR EXHAUST DUCT
	SUPPLY DUCT UPWARD
	SUPPLY DUCT DOWNWARD
	RETURN OR EXHAUST DUCT UPWARD
	RETURN OR EXHAUST DUCT DOWNWARD
	MANUAL DAMPER (WITH ACCESS DOOR)
	MOTORIZED DAMPER (WITH ACCESS DOOR)
	GRILLES AND DIFFUSERS IDENTIFICATION TYPE (SEE SPECIFICATION)
	SIZE LITRES PER SECOND

## DRAWING LIST

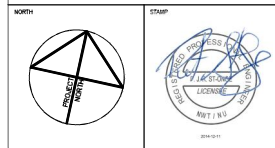
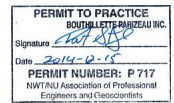
M100	MECHANICAL - LEGEND AND DRAWING LIST
M101	MECHANICAL - DETAILS
M200	MECHANICAL - PLUMBING LAYOUT
M201	MECHANICAL - PLUMBING ELEVATION DETAILS
M202	MECHANICAL - PLUMBING SCHEMATIC & ELEVATION DETAIL
M300	MECHANICAL - FUEL SYSTEM LAYOUT
M301	MECHANICAL - FUEL SYSTEM SCHEMATIC & SOUTH ELEVATION
M500	MECHANICAL - VENTILATION LAYOUT
M600	MECHANICAL - CONTROL SCHEMATICS
M601	MECHANICAL - CONTROL SCHEMATICS

## GENERAL

	UPWARD
	DOWNWARD
	TO REMAIN
	TO REMOVE
	DISMANTLING POINT
	CONNECTION POINT TO EXISTING
	CAPPED FOR FUTURE CONNECTION

## CONTROLS LEGEND

N.C.	NORMALLY CLOSED		NORMALLY OPEN CONTACT		THERMOSTAT
N.O.	NORMALLY OPEN		NORMALLY CLOSED CONTACT		ELECTRICAL THERMOSTAT
TR	TRANSFORMER		OVERLOAD RELAY		NORMALLY OPEN MOTORIZED BUTTERFLY VALVE
MD-X	MOTORIZED DAMPER		MANUAL SWITCH		NORMALLY CLOSED MOTORIZED BUTTERFLY VALVE
MV-X	MOTORIZED VALVE		NORMALLY OPEN PUSH-BUTTON		NORMALLY OPEN MOTORIZED BALL VALVE
FAD	FRESH AIR DAMPERS		NORMALLY CLOSED PUSH-BUTTON		NORMALLY CLOSED MOTORIZED BALL VALVE
EAD	EXHAUST AIR DAMPERS		* HAND-OFF-AUTO * SELECTOR		
RAD	RETURN AIR DAMPERS		MANUAL STARTER		
CAD	COMBUSTION AIR DAMPERS		GREEN PILOT LIGHT		
	FAN		RED PILOT LIGHT		
	PUMP		ELECTRICAL RELAY		
	DAMPER		CURRENT RELAY		
	ELECTRICITY BY CONTROLS DIVISION		ELECTRICAL MOTOR		
	ELECTRICITY BY ELECTRICAL DIVISION		FLOW SWITCH		
	TRANSFORMER WITH FUSE AND GROUND ON SECONDARY				



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION FOR CORRECTION. DO NOT SCALE THIS DRAWING.

No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O.
R E V I S I O N S				

Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
T.(613) 596-4454 F.(613) 596-3346  
www.bpa.ca

Gatineau : 430 de l'hôpital sq, suite 210, J6V 1T7  
T.(819) 778-2448 F.(819) 778-5031

Consulting Engineers



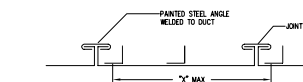
CLIENT: GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES

PROJECT: CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE: MECHANICAL  
LEGEND AND DRAWING LIST

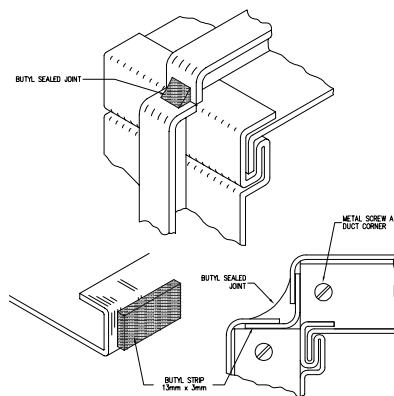
designed by	P.C.	project no.	8011-116
drawn by	V.G.	drawing no.	M100
checked by	P.C.		
date	DECEMBER 2014		
	N.T.S.		



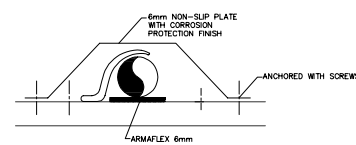


DIMENSIONS mm (h)	SHEET THICKNESS mm (CAL. 15)	JOINT TYPE	"s" mm (h)	"t" mm (h)	STEEL ANGLE mm	
					CENTER	END
C 300 (6 1/2)	0.551 (14)	"DRIVE SLIP"	—	2400 (60)	—	—
300 X 750 (14 X 30)	0.701 (24)	" + "	25 (1/2)	1140 (46)	—	—
300 X 1350 (14 X 53)	0.851 (22)	" + "	— (1-1/2)	1170 (46)	—	—
1400 X 1500 (56 X 60)	1.006 (25)	" + "	— (1-1/2)	1140 (46)	35 X 35 X 3	—
1400 X 2150 (62 X 84)	1.206 (30)	" + "	— (1-1/2)	1140 (46)	35 X 35 X 3	35 X 35 X 3
2200 ET PLUS (86 ET 100)	1.311 (33)	" + "	— (1-1/2)	1140 (46)	55 X 55 X 3	35 X 35 X 3

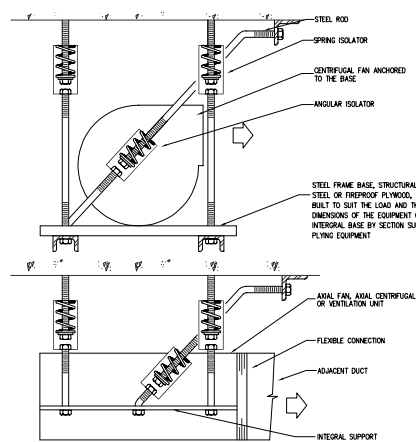
CROSS JOINT AND REINFORCEMENT FOR LOW  
PRESSURE RECTANGULAR DUCT  
(NTS)



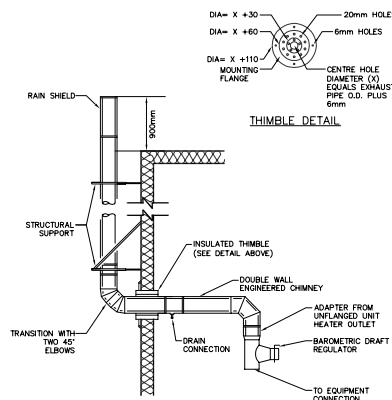
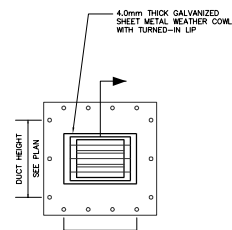
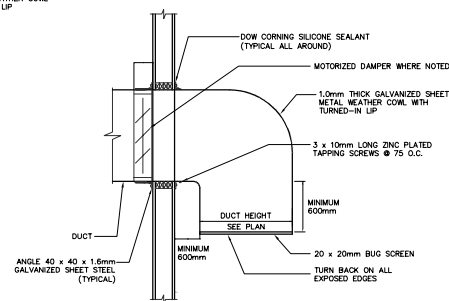
SEALED JOINT FOR LOW PRESSURE RECTANGULAR DUCT  
(NTS)



### INSTALLATION OF FLOOR MOUNTED PIPES



SUSPENDED EQUIPMENT (TYPE VI)  
(NTS)

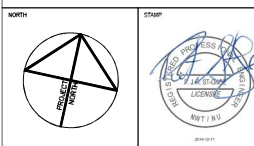
UNIT HEATER CHIMNEY DETAIL  
(NTS)ELEVATION

SECTION

REFER TO STRUCTURAL DRAWINGS  
FOR SPECIFIC SEALING DETAILS



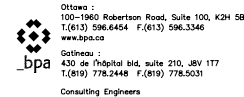
**PERMIT TO PRACTICE**  
BOUTHILLETTE-PARIZEAU  
Signature *[Signature]*  
Date *2014-12-15*  
**PERMIT NUMBER: P 717**  
NWTNU Association of Professional  
Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION FOR DIRECTION. DO NOT SCALE THIS DRAWING.

[illegible]

1	ISSUED FOR TENDER	2014/12/11	BPA
No.	DESCRIPTION	DATE	BY
R E V I S I O N S			



CLIENT  
GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY  
AND GOVERNMENT SERVICES

PROJECT  
CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE	MECHANICAL DETAILS
-------	-----------------------

design by	P.C.	project no. 8011-114  drawing no. M101
drawn by	Y.G.	
checked by	P.C.	
date	DECEMBER 2014	
	N.T.S.	



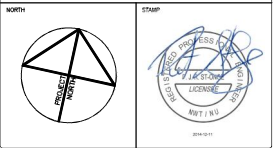
**GENERAL NOTES**

① LAYOUT OF CHEMICAL FEED PIPING (CF-N) IS SHOWN SCHEMATICALLY FOR CLARITY. COORDINATE FINAL LAYOUT ON SITE.

- DRAWING NOTES**
- ◇ PROVIDE NPS 1/2 DOW AND DRW PIPING TO EW-01, SK-01, & SK-02 C/W THERMOSTATIC MIXING VALVE NEAR OUTLET OF WH-01.
  - ◇ WH-01 SUSPENDED AT 2000MM ABOVE FLOOR PLATE. DWP-01 INSTALLED BELOW ON FLOOR PLATE. REFER TO SUSPENDED EQUIPMENT DETAIL M102.
  - ◇ INSTALL SP-02 DIRECTLY BENEATH SERVICE SINK SK-01. PROVIDE TRAP AND DRAIN SK-01 AND SK-02 DIRECTLY INTO SP-02 TANK.
  - ◇ PROVIDE NPS 1/2 HOSE BIB CONNECTION NEAR OUTLET OF DWP-01.
  - ◇ PIPE NPS 1/2 DRAIN FROM CC-01, CC-02 & CC-03 BACK TO SUMP PIT CONTAINING THE SUMP PUMP SP-02.
  - ◇ CONNECT PIPE TO TRUCK FILL ARM WITH FLEXIBLE JOINT. SEE DETAIL ON STRUCTURAL DRAWING S4.
  - ◇ SUPPLY AND INSTALL HIGH LEVEL INDICATOR SWITCH COMPLETE WITH RED LIGHT FOR EXTERIOR INSTALLATION. INSTALL SWITCH IN SEWAGE TANK.
  - ◇ LOCATION FOR THE INSTALLATION OF SEWAGE TANK LEVEL INDICATOR LIGHT.
  - ◇ TRENCH DRAIN
  - ◇ NPS 4 CAPPED FLANGE CONNECTION FOR FUTURE USE.
  - ◇ INTAKE SHUTT TO MAIN WATER PUMPS WP-01 & WP-02 FROM FLANGE.
  - ◇ SPACE AVAILABLE FOR FUTURE CARBON FILTRATION SYSTEM. CARBON FILTRATION SYSTEM MUST NOT PRECEDE CHLORINE ADDITION AFTER FILTRATION.
  - ◇ CHLORINE CONTACT PIPE.
  - ◇ FLANGED CONNECTION POINT TO CHLORINE CONTACT PIPE. REFER TO DETAIL A ON DRAWING M-201.
  - ◇ PROVIDE ADEQUATE SUPPORT FOR THE BASKET FILTER. FILTER TO BE ANCHORED TO THE FLOOR USING A SUPPORT STAND.
  - ◇ NPS 3 SEWAGE TANK DRAIN LINE WITH CAMLOCK CONNECTION.
  - ◇ VENT CAP TO BE REMOVED (FOR SEWAGE TANK VENTING PURPOSES).



**PERMIT TO PRACTICE**  
 BOOTHLETT WAREHOUSE INC.  
 Signature: [Signature]  
 Date: 2014-12-11  
**PERMIT NUMBER: P-717**  
 NWT/NU Association of Professional Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND OR OMISSIONS PRIOR TO CONSTRUCTION FOR CORRECTION. DO NOT SCALE THIS DRAWING.

R E V I S I O N S				
No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O

Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
 T(613) 596-6454 F(613) 596-3346  
 www.bpa.ca  
 Gatineau : 430 de l'hôpital bid, suite 210, J8V 1T7  
 T(819) 778-2448 F(819) 778-5031  
 Consulting Engineers

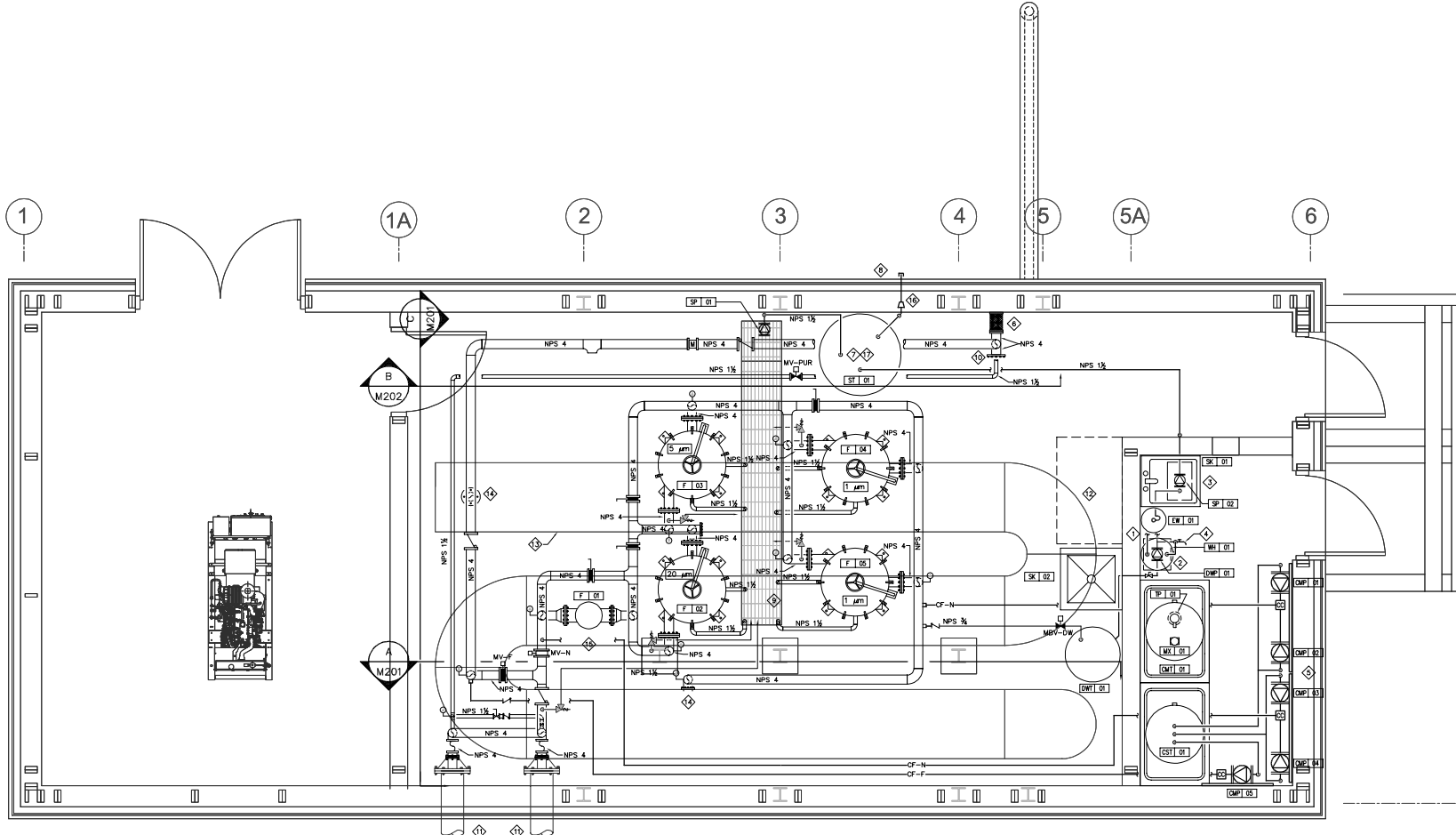


**CLIENT**  
 GOVERNMENT OF NUNAVUT  
 DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES

**PROJECT**  
 CORAL HARBOUR, NUNAVUT  
 NEW PUMPING STATION

**TITLE**  
 MECHANICAL  
 PLUMBING LAYOUT

design by	P.C.	project no.	8011-116
drawn by	Y.G.	drawing no.	M200
checked by	P.C.		
date	DECEMBER 2014		
	1:25		



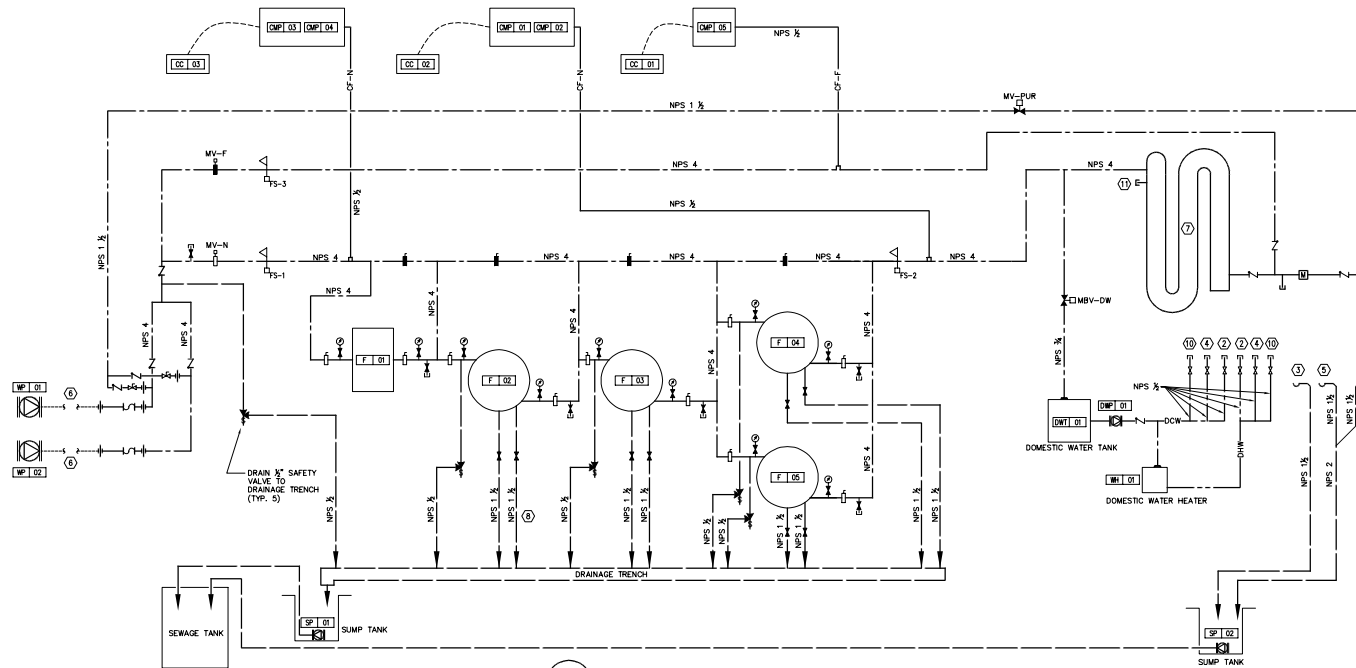
1 DOMESTIC WATER DELIVERY SYSTEM  
 M200  
 SCALE 1:25







# WATER SYSTEM HYDRAULIC DIAGRAM

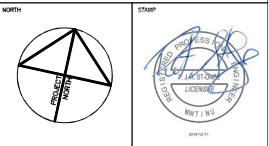


- NOTES:**
- TO TRUCKFILL ARM
  - CONNECTION FOR WATER FAUCET (SK-01)
  - SINK DRAIN (SK-01)
  - CONNECTION FOR EMERGENCY EYEWASH STATION
  - EYEWASH STATION DRAIN
  - INTAKE SHUT AND HOPE PIPING TO LAKE BY OTHERS
  - NPS 30 CHLORINE CONTACT PIPE
  - TYPICAL DRAIN INSTALLATION: ONE FOR FILTER PURGE AND THE OTHER FOR AIR VENT.
  - SINK DRAIN (SK-02)
  - CONNECTION FOR WATER FAUCET (SK-02)
  - NPS 3 DRAIN CONNECTION (CAMLOCK PIPE CONNECTION)

1 DOMESTIC WATER DELIVERY SYSTEM - SCHEMATIC DIAGRAM  
M201



**PERMIT TO PRACTICE**  
NORTH ATLANTIC PROVINCE INC.  
Signature: [Signature]  
Date: 2014-12-11  
PERMIT NUMBER: P-717  
NWT/NU Association of Professional Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND OR OMISSIONS PRIOR TO CONSTRUCTION FOR CORRECTION. DO NOT SCALE THIS DRAWING.

REVISIONS				
No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O

Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
T(613) 596-4454 F(613) 596-3346  
www.bpa.ca  
Gatineau : 430 de l'hôpital bid, suite 210, J6V 1T7  
T(819) 778-2448 F(819) 778-5531  
Consulting Engineers

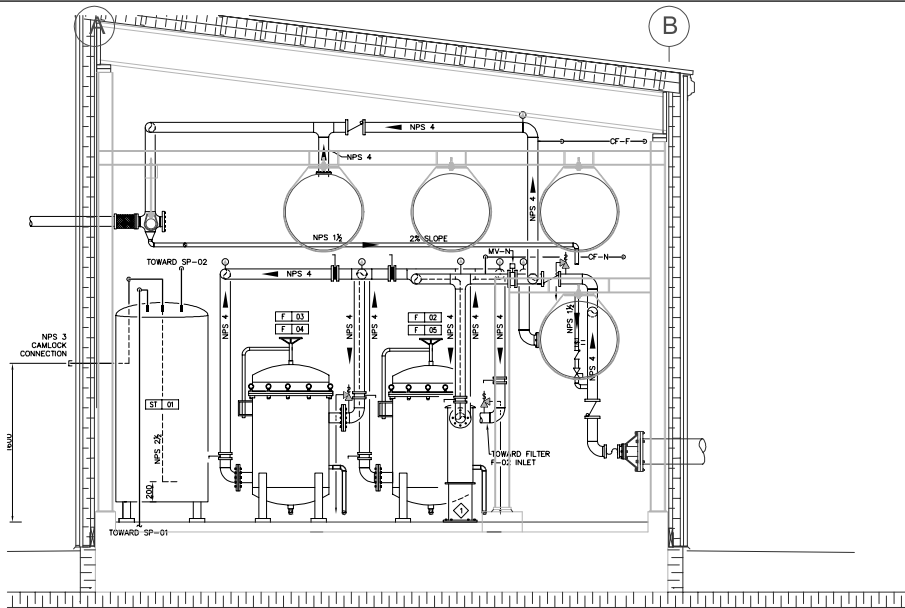


CLIENT: GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES

PROJECT: CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE: MECHANICAL  
PLUMBING SCHEMATIC  
& ELEVATION DETAIL

designed by: P.C.	project no.: 8011-116
drawn by: Y.G.	drawing no.: M202
checked by: P.C.	
date: DECEMBER 2014	
AS SHOWN	



**DRAWING NOTES:**  
1 FLANGED SUPPORT STRUCTURE FOR THE SUPPORT OF F-01

C SECTION DETAIL - DOMESTIC WATER DELIVERY SYSTEM  
M202  
SCALE: 1:20

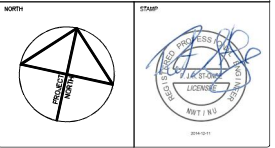


- GENERAL NOTES:**
- 1 REFER TO FUEL SYSTEM SCHEMATIC ON DRAWING M-301, FOR ALL OIL ACCESSORIES.
  - 2 REFER TO ELEVATION DETAIL ON DRAWING M-301, FOR THE MAIN FUEL TANK PIPING LAYOUT.
  - 3 GATHER NEXT TO EACH OTHER ALL PIPING PENETRATING THE EXTERIOR WALL IN ORDER TO REDUCE THE WALL OPENING. REFER TO STRUCTURAL PLANS FOR DETAIL.

- DRAWING NOTES:**
- 1 REFER TO STRUCTURAL PLANS FOR EXTERIOR PIPE SUPPORT STRUCTURE. ALL SUPPORT RINGS, HANGERS AND ACCESSORIES TO BE PROVIDED BY PRESENT SECTION.
  - 2 INSTALL EXTERIOR LEVELMETER WIRING INSIDE A NPS 2 BLACK STEEL PIPE.
  - 3 CONCRETE SLAB TO BE PROVIDED BY PRESENT SECTION. REFER TO DETAIL ON DRAWING M-100.
  - 4 VACUUM BREAKER / VENT AS REQUIRED BY MANUFACTURER.
  - 5 INSTALL EXTERIOR CONTROL WIRING INSIDE A NPS 2 BLACK STEEL PIPE. INSIDE TO BE EMT ALL THE WAY TO CONTROL ALARM PANEL.



**PERMIT TO PRACTICE**  
 NOTUALLYTUNNEAU INC.  
 Signature: [Signature]  
 Date: 2014-12-11  
 PERMIT NUMBER: P-717  
 NWT/NU Association of Professional Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND OR OMISSIONS PRIOR TO CONSTRUCTION FOR CORRECTION. DO NOT SCALE THIS DRAWING.

R E V I S I O N S				
No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O

Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
 T:(613) 596-6454 F:(613) 596-3346  
 www.bpa.ca  
 Gatineau : 430 de l'hôpital sq, suite 210, J8V 1T7  
 T:(819) 778-2448 F:(819) 778-5031  
 Consulting Engineers

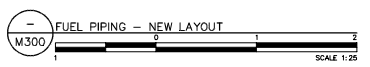
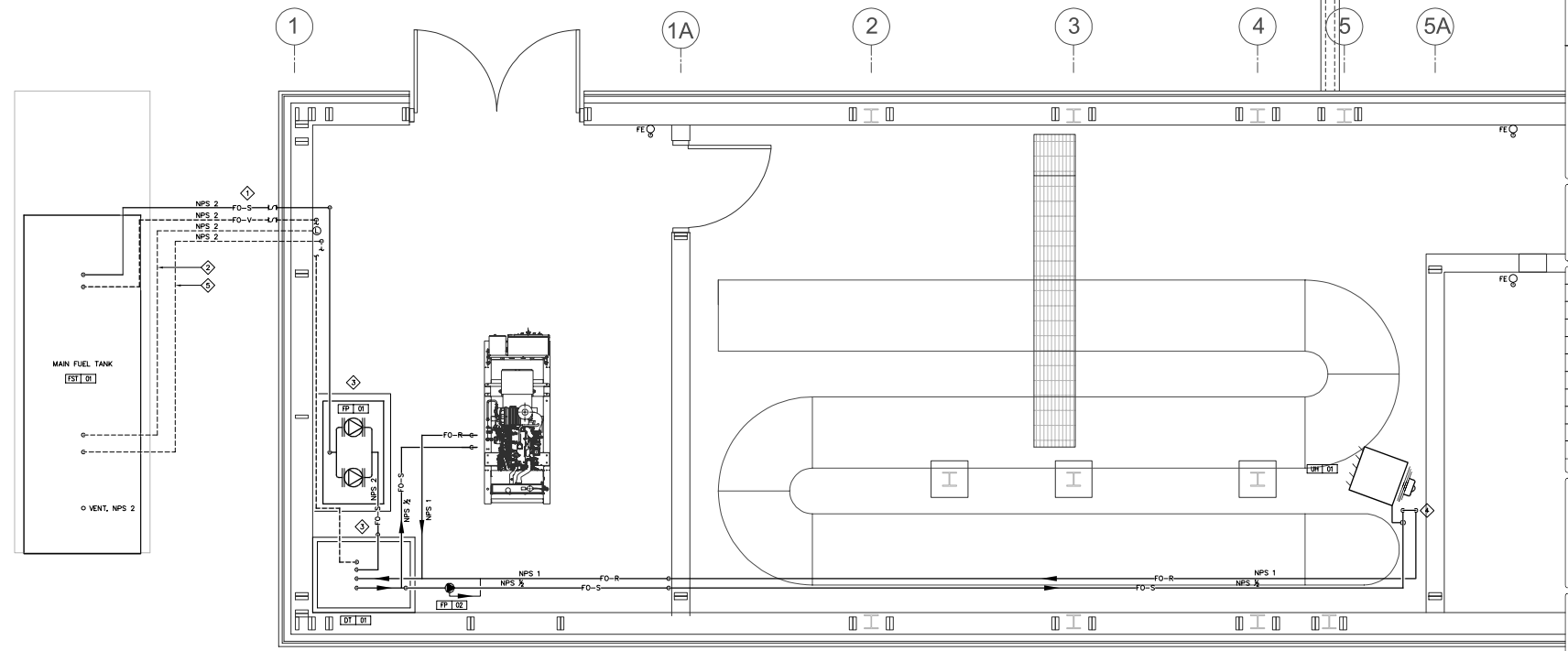


**CLIENT**  
 GOVERNMENT OF NUNAVUT  
 DEPARTMENT OF COMMUNITY  
 AND GOVERNMENT SERVICES

**PROJECT**  
 CORAL HARBOUR, NUNAVUT  
 NEW PUMPING STATION

**TITLE**  
 MECHANICAL  
 FUEL SYSTEM LAYOUT

designed by	P.C.	project no.	8011-116
drawn by	Y.G.	drawing no.	M300
checked by	P.C.		
date	DECEMBER 2014		
	1:25		

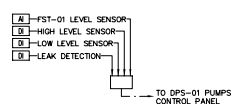




## PIPING AND CONTROLS SCHEMATICS

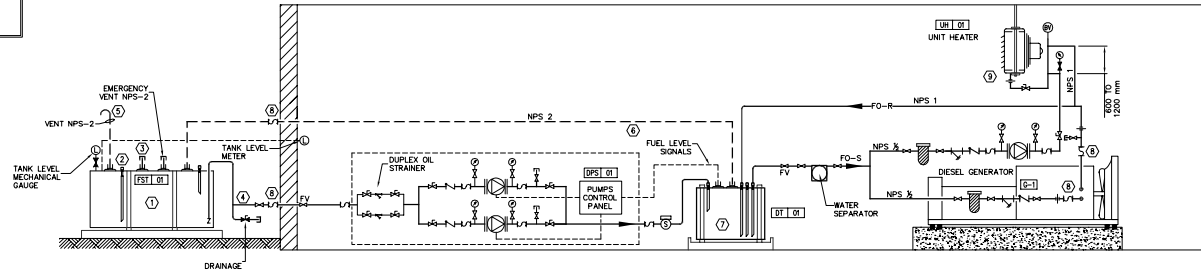
- ① DOUBLE WALL MAIN FUEL STORAGE TANK
- ② FST-011 FILL/VENT CONNECTION C/W LOOKING CAP (NPS-2)
- ③ FST-01 INSPECTION PORT
- ④ FUEL SUPPLY LINE TO GENERATOR'S DAY TANK (ALL NPS-2)
- ⑤ FUEL TANK VENT C/W VENT WHISTLE (NPS-2)
- ⑥ FUEL VENT LINE FROM GENERATOR'S DAY TANK (ALL NPS-2)
- ⑦ DAY TANK
- ⑧ STAINLESS STEEL FLEXIBLE CONNECTION, CONNECT TO FUEL SUPPLY AND RETURN CONNECTIONS ON ENGINE.
- ⑨ REFER TO MANUFACTURER INSTRUCTIONS FOR THE SUPPLY OF OIL TO THE UNIT HEATER.

THE SCHEMATIC DRAWING SHOWS DETAILS OF THE CONTROLS LAYOUT, EQUIPMENT CONNECTIONS AND PIPING COMPONENTS OF THE SYSTEM. REFER TO DRAWING M300 FOR DETAILS ON THE PIPING LAYOUT AND LOCATION OF EQUIPMENT.

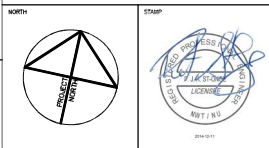


```

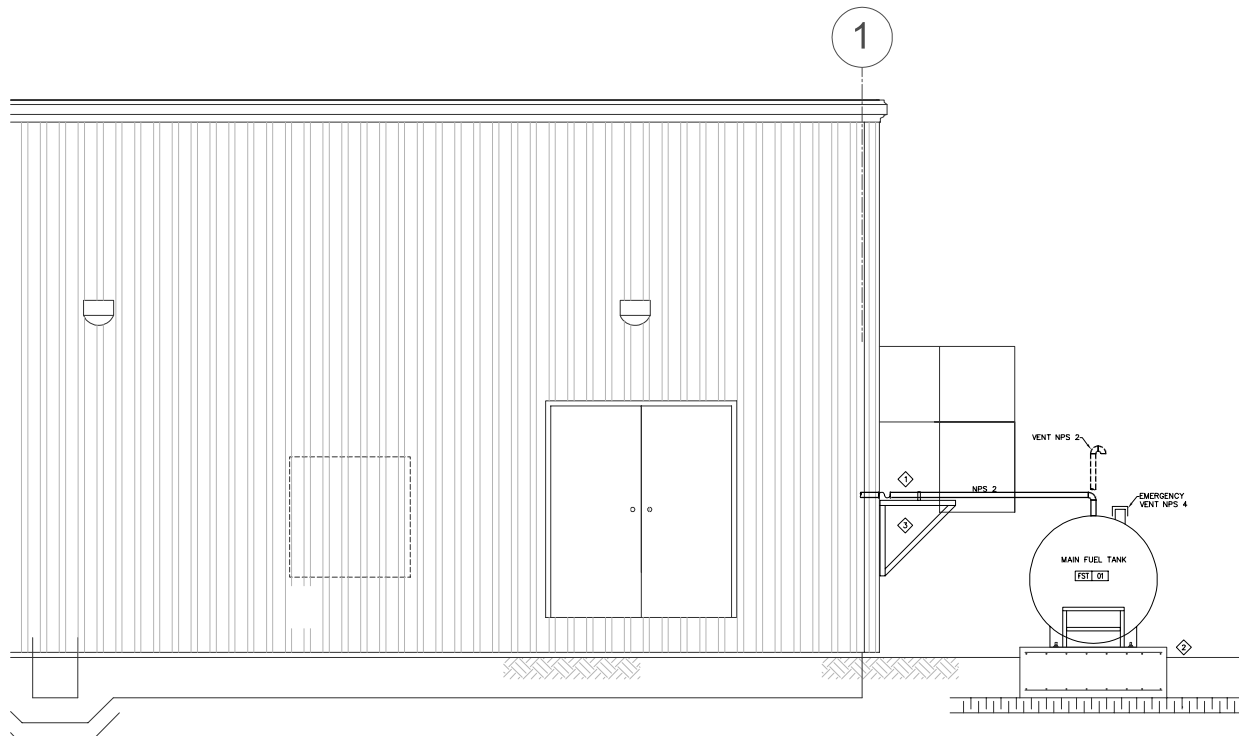
graph LR
    DI1[DI-HIGH LEVEL SENSOR] --- TB
    DI2[DI-LOW LEVEL SENSOR] --- TB
    DI3[DI-LEAK DETECTION] --- TB
    TB --- DPS[TO DPS-01 PUMPS CONTROL PANEL]
    style TB fill:none,stroke:none
  
```



**PERMIT TO PRACTICE**  
BOUTHELLETTE PARIZEAU INC.  
Signature [Signature]  
Date 2014-12-15  
**PERMIT NUMBER: P 717**  
NWT/NU Association of Professional  
Engineers and Geoscientists




NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS  
WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS.  
NOTIFY THE ENGINEERS OF ANY ERRORS AND/OR  
OMISSIONS PRIOR TO CONSTRUCTION FOR DIRECTION.  
DO NOT SCALE THIS DRAWING.



- 1 REFER TO DRAWING M-300 FOR PIPING LAYOUT. ALL PIPING INSTALLED AT SAME HEIGHT. PROVIDE NECESSARY STEEL CLAMPS TO SECURE PIPING TO THE SUPPORT STRUCTURE PROVIDED BY STRUCTURAL.
- 2 CONCRETE SLAB PROVIDE BY STRUCTURE.
- 3 REFER TO STRUCTURAL PLANS FOR THE PIPE SUPPORT STRUCTURE.

[illegible]

1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.C
No.	DESCRIPTION	DATE	BY	APP'D
R E V I S I O N S				

 **bpa**

Ottawa :  
100-1960 Robertson Road, Suite 100, K2H 5N9  
T.(613) 596.6454 F.(613) 596.3346  
[www.bpa.ca](http://www.bpa.ca)

Gatineau :  
430 de l'hôpital bld, suite 210, J8V 1T7  
T.(819) 778.2448 F.(819) 778.5031

Consulting Engineers



CLIENT  
GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY  
AND GOVERNMENT SERVICES

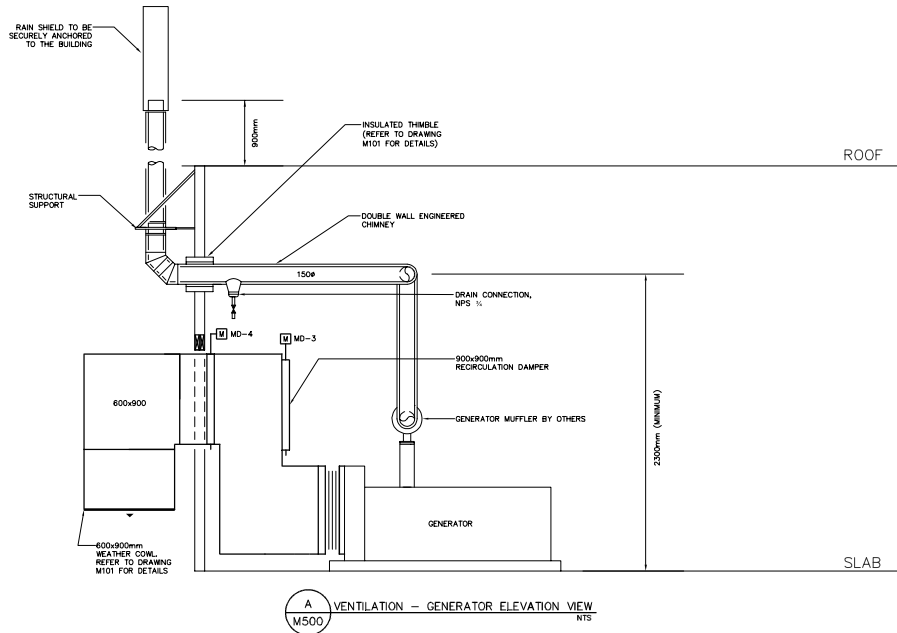
PROJECT  
CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE	MECHANICAL FUEL SYSTEM SCHEMATIC & SOUTH ELEVATION
-------	--

design by	P.C.	project no. 8011-116  drawing no. M301
drawn by	Y.G.	
checked by	P.C.	
date	DECEMBER 2014	
	AS SHOWN	

M301

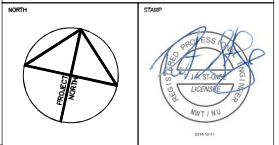




- DRAWING NOTES**
- INSTALL COMBUSTION AIR AND EXHAUST CONDUITS AS PER MANUFACTURER'S RECOMMENDATION. PROVIDE AND INSTALL COMBUSTION AIR ADAPTOR AND FINISH INTAKE WITH GOOSENECK.
- GENERAL NOTES**
- PROVIDE INSULATION ON ALL INTAKE AND EXHAUST DUCTWORK, AS WELL AS ALL DUCTWORK LOCATED IN THE CHLORINE ROOM.



**PERMIT TO PRACTICE**  
 NUNAVUT ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS  
 Signature: [Signature]  
 Date: 2014-12-11  
 PERMIT NUMBER: P-717  
 NWT/NU Association of Professional Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND/OR OMISSIONS PRIOR TO CONSTRUCTION FOR CLARIFICATION. DO NOT SCALE THIS DRAWING.

No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O.
R E V I S I O N S				

**bpa**  
 Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
 T(613) 596-4454 F(613) 596-3346  
 www.bpa.ca  
 Gatineau : 430 de l'hôpital st-d, suite 210, J6V 1T7  
 T(819) 778-2448 F(819) 778-5031  
 Consulting Engineers

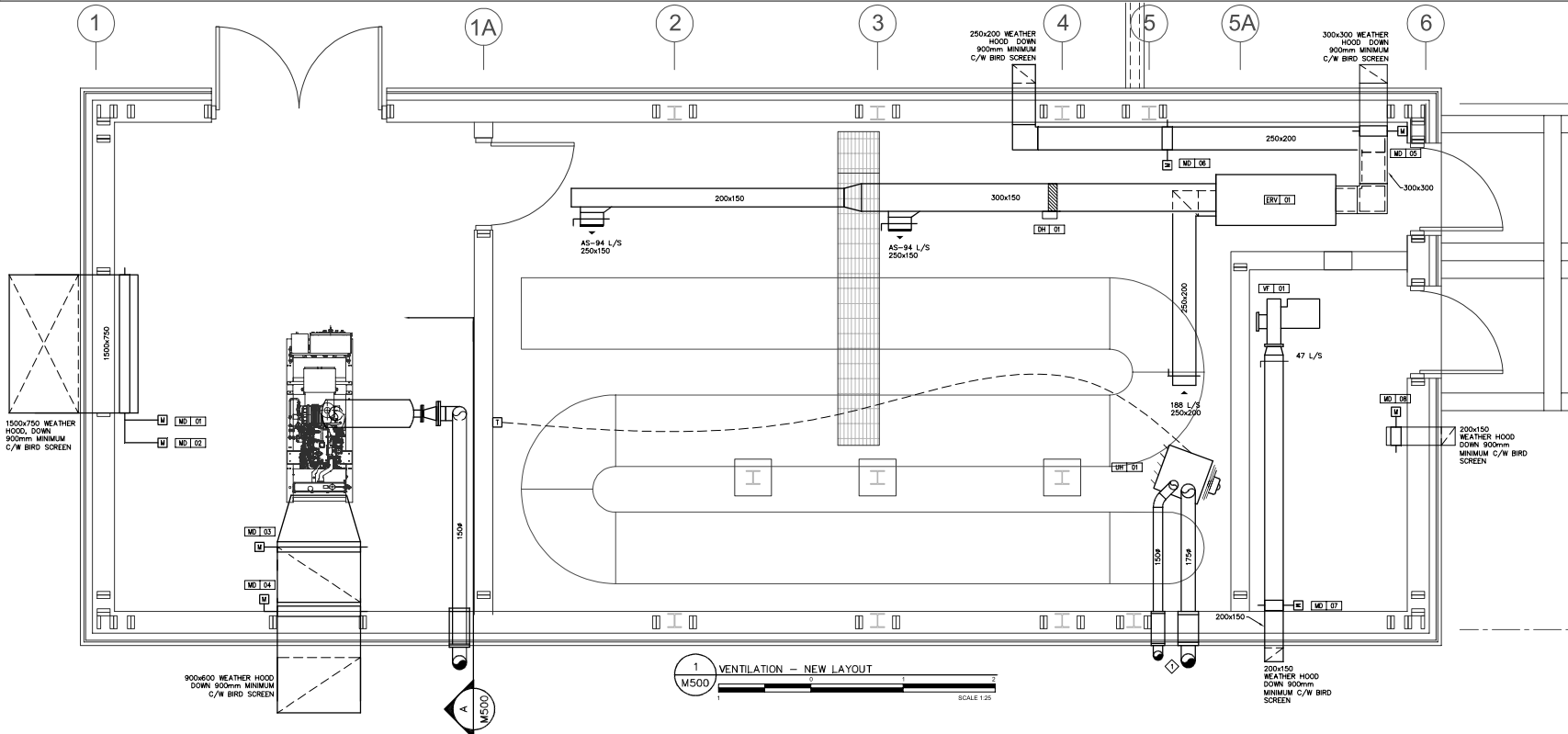


CLIENT: GOVERNMENT OF NUNAVUT  
 DEPARTMENT OF COMMUNITY  
 AND GOVERNMENT SERVICES

PROJECT: CORAL HARBOUR, NUNAVUT  
 NEW PUMPING STATION

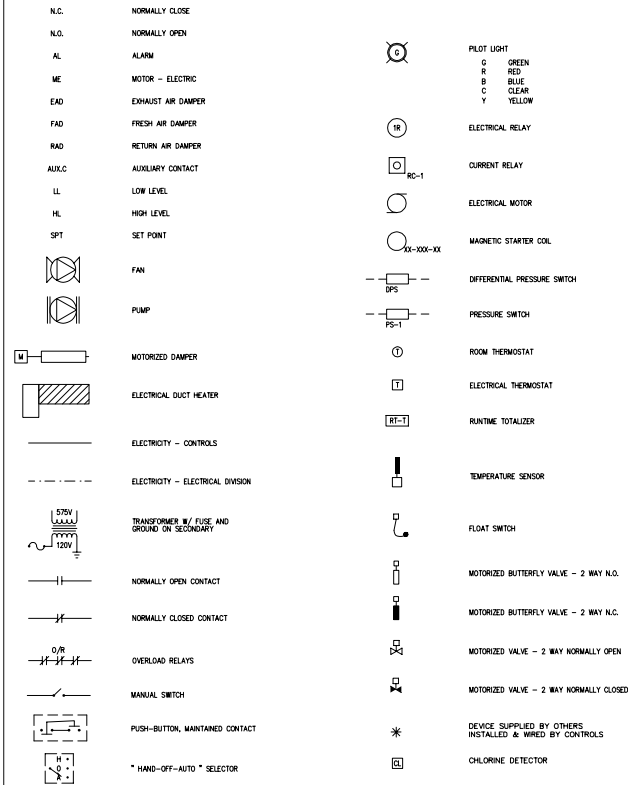
TITLE: MECHANICAL  
 VENTILATION LAYOUT

Design by: P.C. Project no.: 8011-116  
 Drawn by: Y.G. Drawing no.:  
 Checked by: P.C.  
 Date: DECEMBER 2014  
 AS SHOWN

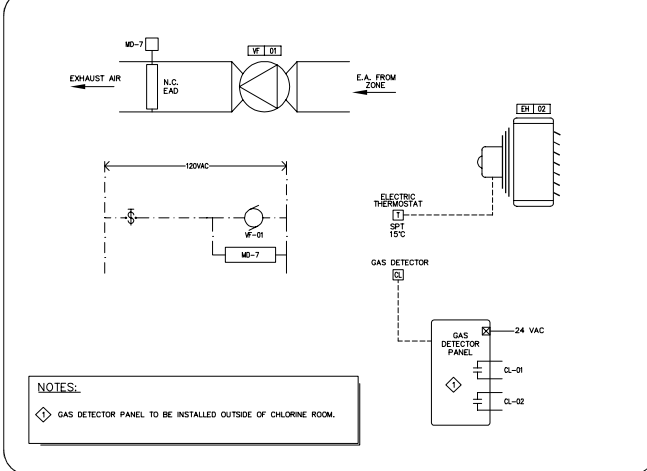




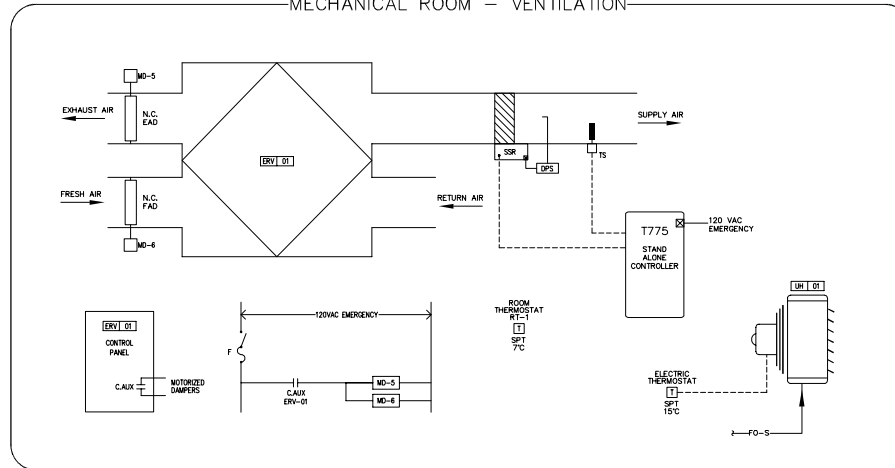
## CONTROLS



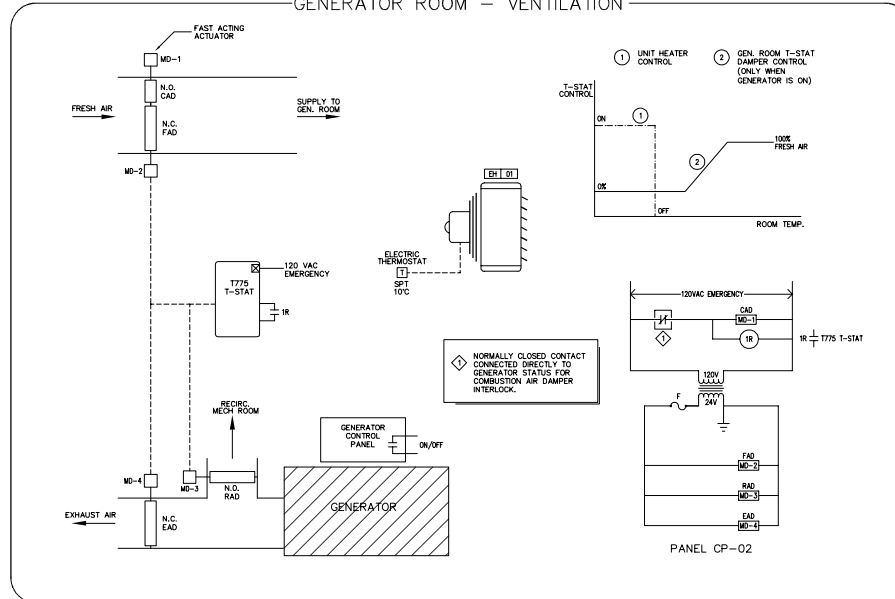
## CHLORINE ROOM - VENTILATION



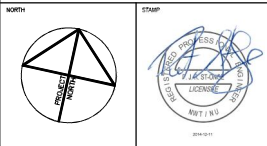
## MECHANICAL ROOM - VENTILATION



## GENERATOR ROOM - VENTILATION



PERMIT TO PRACTICE  
NORTHWESTERN ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS  
Signature: [Signature]  
Date: 2014-12-11  
PERMIT NUMBER: P-717  
NWT/NU Association of Professional Engineers and Geoscientists



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS WITH FINAL ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ENGINEERS OF ANY ERRORS AND OR OMISSIONS PRIOR TO CONSTRUCTION FOR CORRECTION. DO NOT SCALE THIS DRAWING.

No.	DESCRIPTION	DATE	BY	APP'D
1	ISSUED FOR TENDER	2014/12/11	BPA	P.S.O.

R E V I S I O N S				
-------------------	--	--	--	--

Ottawa : 100-1960 Robertson Road, Suite 100, K2H 5B9  
T(613) 596-4454 F(613) 596-3346  
www.bpa.ca  
Gatineau : 430 de l'hôpital, suite 210, J6V 1T7  
T(819) 778-2448 F(819) 778-5031  
Consulting Engineers



CLIENT: GOVERNMENT OF NUNAVUT  
DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES

PROJECT: CORAL HARBOUR, NUNAVUT  
NEW PUMPING STATION

TITLE: MECHANICAL  
CONTROLS SCHEMATICS

designed by	L.P.	project no.	8011-116
drawn by	L.P.	drawing no.	M600
checked by	P.S.O.		
date	DECEMBER 2014		



