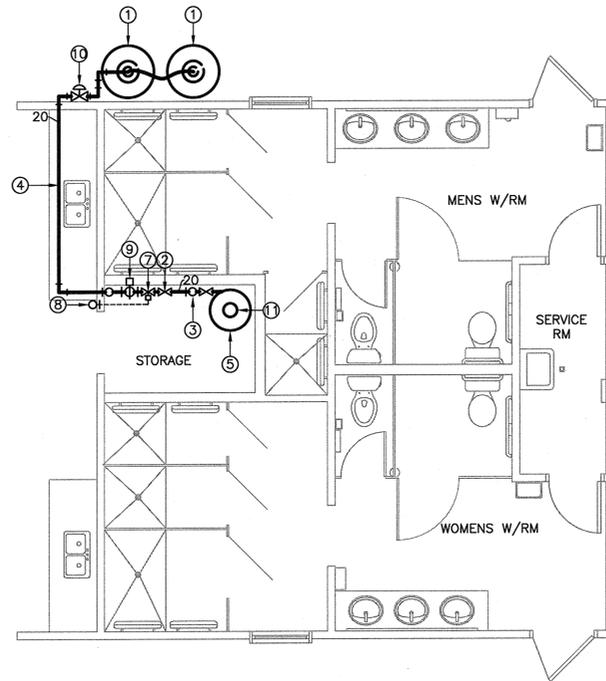


FLOOR PLAN BUILDING #32 & #34 - PROPANE LAYOUT
SCALE: 1:50



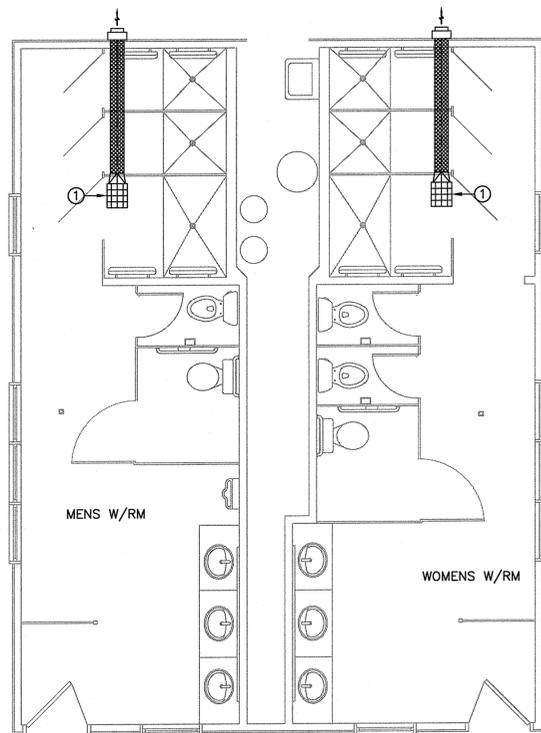
FLOOR PLAN BUILDING #38 - PROPANE LAYOUT
SCALE: 1:50

NEW PROPANE NOTES:

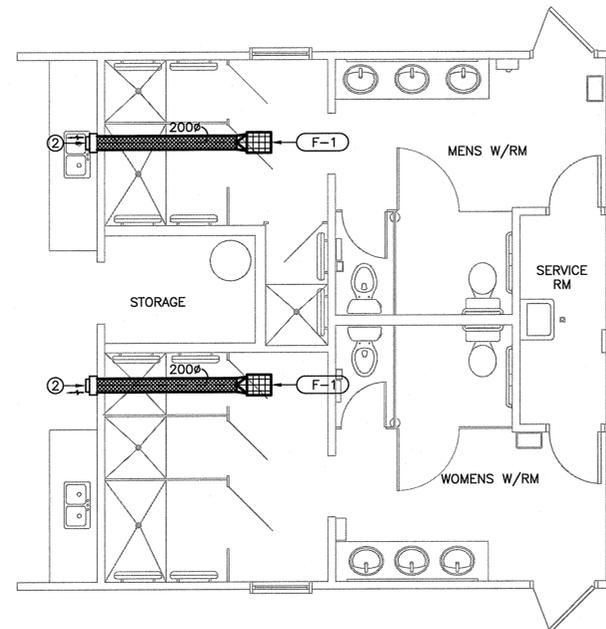
- ① PROPANE CONTRACTOR SHALL PROVIDE TWO 420L PROPANE TANKS ON PATIO BLOCK PADS AS SHOWN. C/W PRV AND VENTS TO PROVIDE 11" W.C. PRESSURE (2.7kPa).
- ② GAS PIPING CONTRACTOR SHALL PROVIDE INTERIOR AND EXTERIOR GAS SHUT-OFF VALVES C/W LABELS TO CSA B149.1 LATEST EDITION. ALL PIPING SHALL BE PAINTED GREY BY GAS CONTRACTOR. APPLY YELLOW IDENTIFICATION STICKERS AT 2M INTERVALS ON ALL PIPING.
- ③ PROVIDE 20# DRIP LEG AND SHUT-OFF AT TANK WITH FLEX CONNECTION.
- ④ 20#mm GAS LINE FROM TANKS TO HWT. TOTAL LENGTH 30' MAX. (9M); LOAD 360MBH (106kW) PRESSURE 11" W.C. (2.7kPa) BASED ON A PRESSURE DROP OF 1" W.C. (250Pa) TAKEN FROM TABLE B.I.(c) OF CAN/CSA-B149.1-05.
- ⑤ NEW HOT WATER TANKS TO BE RHEEM-RUUD HEATER MODEL R71-360C(A) FOR 11" W.C. (2.7kPa) PROPANE. RECONNECT HEATER TO EXISTING SERVICES AS SHOWN IN ISOMETRIC ON THIS SHEET. TIE INTO EXISTING RECIRC PUMP AND ADD NEW ACCESSORIES. ELECTRICAL SHALL WIRE HWT-1. HEATER CAPACITY 65 GALLONS (322L).
- ⑥ EXISTING (420L) PROPANE TANKS TO REMAIN.
- ⑦ NEW LOW PRESSURE REGULATOR, C/W VENT TO ATMOSPHERE.
- ⑧ VENT TO OUTSIDE, ELBOW DOWN WITH INSECT SCREEN.
- ⑨ CO₂ VALVE. ASCO OR EQUIVALENT CRN: OC0551.90
- ⑩ NEW HIGH PRESSURE REGULATOR.
- ⑪ NEW 200#mm DOUBLE LINED STAINLESS STEEL FLUE KIT C/W THIMBLE AT ROOF, FLASHING, RAIN RING AND WEATHER PROOF CAP TERMINATION AS RECOMMENDED BY UNIT MANUFACTURER. TERMINATE FLUE AT 1M ABOVE RIDGE LINE OF ROOF (FLOOR TO RIDGE IS APPROXIMATELY 4.8M). ALL CUTTING, PATCHING AND ROOFING BY ARCHITECTURAL TRADES.

GENERAL NOTES:

1. PROVIDE ADEQUATE CLEARANCES FROM ANY COMBUSTIBLES AS PER MANUFACTURERS RECOMMENDATIONS.
2. THIS DRAWING ONLY INCLUDES DESIGN OF PROPANE STORAGE TANKS AND PROPANE PIPING/FITTINGS.



FLOOR PLAN BUILDING #32 & #34 - VENTILATION LAYOUT
SCALE: 1:50



FLOOR PLAN BUILDING #38 - VENTILATION LAYOUT
SCALE: 1:50

MECHANICAL VENTILATION LEGEND:

- VENTILATION
- EXISTING DUCTWORK (DIMENSION = mm/mm)
 - NEW DUCTWORK (DIMENSION = mm/mm)
 - ACOUSTIC INSULATED DUCTWORK (DIMENSION = mm/mm)
 - CIRCULAR DUCTWORK (DIMENSION = mm#)

NEW VENTILATION NOTES:

- ① EXISTING FANS TO REMAIN.
- ② GREENHECK MODEL WALL CAP. C/W BIRDSCREEN. PAINT TO MATCH EXISTING EXTERIOR WALL COLOR.

LIST OF MATERIALS

ITEM	QUANTITY *	DESCRIPTION	MANUFACTURER **
1.	2	420 LITRE PROPANE STORAGE CYLINDER	SUPPLIED BY OWNER
2.	20M	20mm# B.I. PROPANE PIPING	STELCO
3.	4	SHUT-OFF VALVES	REGO
4.	2	HIGH PRESSURE REGULATOR SET @34.45KPa (5 psig)	REGO
5.	2	LOW PRESSURE REGULATOR SET @2.74kPa (11 IN.W.C)	REGO
6.	AS REQ'D	SCH. 40 B.I. ELBOWS	JINAN
7.	AS REQ'D	SCH. 40 B.I. NIPPLES	JINAN
8.	AS REQ'D	SCH. 40 B.I. TEES	JINAN
9.	AS REQ'D	SCH. 40 B.I. CAPS	JINAN
10.	2	CO ₂ VALVE	ASCO,CRN: OC0551.90
11.	7.5M	200mm# DOUBLE WALLED TYPE B VENT C/W VENT HOOD	DURAVENT

* QUANTITIES SHOWN TO BE CONSIDERED APPROXIMATE. PROVIDE ADDITIONAL MATERIALS AS NECESSARY FOR A COMPLETE WORKING SYSTEM.
** OR EQUIVALENT.

Stamp: REGISTERED PROFESSIONAL ENGINEER, PROVINCE OF NEWFOUNDLAND, DAVID A. SMITH, 17/09/10, CIVIL ENGINEERING LIMITED.

Permit: PROVINCE OF NEWFOUNDLAND PERMIT HOLDER Class "A", This Permit Allows CROSS ENGINEERING LIMITED to practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEC-NS, 00123 which is valid for the year 2016.

2.	ISSUED FOR TENDER	2016/03/04
1.	ISSUED FOR TENDER REVIEW	2015/09/11
revisions		date

project: WASHROOM BUILDING RECAPITALIZATION BUILDING 32, 34, & 38 NEWMAN SOUND CAMPGROUND TERRA NOVA NATIONAL PARK, NL

EXISTING AND NEW FLOOR PLAN BUILDING #32, #34, & #38 - PROPANE & VENTILATION LAYOUT

designed: conq

date:

drawn: dessin

date:

approved: approuv

date:

Tender: 22 April 2016, Submission

PWGSC Project Manager: Administrateur de projets TPSCG

project number: no. du projet

R-079272-001

drawing no.: no. du dessin