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NORR ARCHITECTS ENGINEERS PLANNERS
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Project title	Project
JASPER STAFF HOUSING CONSTRUCTION	

5 PLEX

902 PATRICIA STREET
JASPER, AB, T0E 1E0

Designed by	Conçu par
H. HUANG	

Drawn by D. GREGOIRE Dessiné par _____

Approved by Approuvé par
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FWGSC Project Manager Administrateur de Projects TPSGC
ROB HAFFER

FOUNDATION PLAN AND LOWER LEVEL PLUMBING PLAN

Age Group	Total (%)	Male (%)	Female (%)	Overall (%)
18-24	15	18	12	15
25-34	25	28	22	25
35-44	30	32	28	30
45-54	20	22	18	20
55-64	10	12	8	10
65+	5	6	4	5

Project No./No. do Projekt	Drawing No./No. do Rysunku	Revision No.
P.100430.001	M2.1	6



1. WEEPING TILE LAYOUT IS FOR REFERENCE ONLY. WEEPING TILE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. WEEPING TILE FINAL DESIGN, LAYOUT, SIZING, AND FLOW RATE MUST BE CONFIRMED BY GEOTECH. ENGINEER AND WILL HAVE TO BE COORDINATED AT THAT TIME.

1. BACK WATER VALVE CW ACCESS LID REFER TO M1.2 DETAIL 13.	I. SLOPE ALL 100% SANITARY PIPING @ 1% AND SLOPE ALL SANITARY PIPING LESS THAN 100% @ 2%.
2. PROVIDE 100mm PVC VENT PIPE FOR RADON EXTRACTION SYSTEM. REFER TO DRAWING M1.2. CONTRACTOR TO ALLOW FOR RADON VENT PIPE TO DISCHARGE THROUGH EXTERIOR WALL, INCLUDING ROUGH-IN PIPING FOR RADON EXHAUST PLANT TO BE INSTALLED TO MECHANICAL ROOM, INCLUDING ALLOWANCE FOR PIPING INSULATION TO PREVENT FREEZING.	J. ENSURE ALL MECHANICAL EQUIPMENT ARE INSTALLED AT A MINIMUM HEAD HEIGHT OF 2.1M.
3. (600X600X2000 DEEP RESIDENTIAL PLASTIC STORM SUMP WITH REMOVABLE COVER WITH GASKET C/W SUMP PUMP P-4.	K. OFFSET SOIL OR WASTE RISERS FROM EACH OTHER AS REQUIRED AND AS PER THE PLUMBING CODE.
4. PROVIDE P-TRAP.	L. ALL PIPING TO BE IN BULKHEAD OR PENETRATING ACROSS THE BEAM. COORDINATE HOLES LOCATION WITH STRUCTURAL PRIOR TO DRILLING.
5. 50% PUMPED WEEPIING TILE UP AND DISCHARGE TO LANDSCAPE.	M. PROVIDE LOCAL ISOLATION VALVES AT EACH FIXTURE FOR DCW AND DHW.



- A. SUPPLY AND INSTALL ALL FIRE STOPPING MATERIAL AND ENSURE THAT ALL FIRE PENETRATIONS ARE PROTECTED AS REQUIRED BY THE NATIONAL BUILDING CODE AND THE LOCAL AUTHORITIES.
- B. PROVIDE PLUMBING VENTING AS REQUIRED AND AS PER CODE.
- C. PROVIDE P-TRAP C/W TRAP PRIMER FOR ALL FLOOR DRAINS AS REQUIRED AND AS PER CODE.
- D. COORDINATE SANITARY RISERS AND VENT LINES WITH STRUCTURAL.
- E. PROVIDE SLEEVES AS REQUIRED THRU FOOTINGS, PADS AND STRUCTURAL SLABS FOR MECHANICAL.
- F. COORDINATE AND SLEEVE FOR ALL PLUMBING FIXTURES.
- G. PROVIDE SHUT-OFF VALVES C/W ACCESS PANELS IN ALL SUITES FOR COLD WATER, HOT WATER LINES.
- H. PROVIDE CLEANOUTS ON EVERY LEADER, SOIL OR WASTE STACK AS REQUIRED AND AS PER CODE.
- I. SLOPE ALL 100s SANITARY PIPING @ 1% AND SLOPE ALL SANITARY PIPING LESS THAN 100s @ 2%.
- J. ENSURE ALL MECHANICAL EQUIPMENT ARE INSTALLED AT A MINIMUM HEAD HEIGHT OF 2.1M.
- K. OFFSET SOIL OR WASTE RISERS FROM EACH OTHER AS REQUIRED AND AS PER THE PLUMBING CODE.
- L. ALL PIPING TO BE IN BULKHEAD OR PENETRATING ACROSS THE BEAM, COORDINATE LOCAL COLOCATION WITH STRUCTURAL PRIOR TO DILLING.
- M. PROVIDE LOCAL ISOLATION VALVES AT EACH FIXTURE FOR C/DW AND D/HW.

1. 50Ø DCW UP THROUGH GROUND TO MECHANICAL ROOM. INSTALL BACKFLOW PREVENTER AT 50Ø DCW IN WATER METER ROOM TO SUPPLY TO THE SUITES.
2. RUN DCW,DHW,SAN PIPING IN JOIST SPACE TO/FROM PLUMBING FIXTURE.
3. GAS METERS WITH PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE TO 3.5 KPA/PSI. INSTALL 30Ø GAS LINE UP AND INTO BASEMENT FLOOR CEILING SPACE. CLEAR, UNOBSTRUCTED AREA NEAR GAS METERS REQUIRE 2.2M X 9M CLEARANCE. GAS PIPING SHALL BE 1/2" NPS 40 STEEL, SCHEDULE 40,ASTM A53/A53M, GRADE B. INSTALLATIONS SHALL COMPLY WITH CSA 149.1.
4. 15Ø GAS LINE @ 3.5KPA TO CONNECT TO BOILER IN MECHANICAL ROOM AS PER MANUFACTURER'S RECOMMENDATIONS.
5. 20Ø GAS LINE @ 3.5KPA TO CONNECT TO DOMESTIC WATER HEATER IN MECHANICAL ROOM AS PER MANUFACTURER'S RECOMMENDATIONS.
6. 20Ø DCW FROM MECHANICAL ROOM TO NON FREEZE HOSE BIBB.
7. DISHWASHER DRAIN LINE. CONNECTED TO THE CLOSED KITCHEN SINK DRAIN LINE. DISHWASHER DOMESTIC HOT WATER LINE CONNECTED TO THE CLOSED KITCHEN SINK DOMESTIC HOT WATER LINE. REFER TO M1.2 DETAIL 05.
8. RUN DCW,DHW,DHWR PIPING IN JOIST SPACE TO/FROM SUITE TO PLUMBING FIXTURE.
9. 75ø SANITARY PIPE FROM ABOVE