



200 Tesma Way, Unit 9
Concord, ON L4K 0J9
(905)-738-1400

Submittal 23-038-005

PROJECT NAME

THE LANDING 1614 CHARLES ST. 23-038

PROJECT ADDRESS DATE SUBMITTED

1614 CHARLES ST. Jul 26, 2024

TO

Frank Zhang

COMPANY

MALFAR MECHANICAL INC.

EMAIL

f.zhang@dmscorp.ca

ADDRESS

144 WOODSTREAM BLVD WOODBRIDGE, ON L4L 7Y3

FROM

System Admin

COMPANY

Consult Mechanical Inc.

EMAIL

sysadmin@consultmechanical.com

ADDRESS

200 Tesma Way, Unit 9
Concord, ON L4K 0J9

Title

Ground Fault Interrupter

Description

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable. If you are going to use a passage of Lorem Ipsum

Package Items

SPEC	SUBSECTION	ITEM	TYPE
Mechanical	Plumbing	Non-Network OC Sensors	Shop Drawings
Mechanical	Electrical	Switchboards	Shop Drawings

BLOCK 22 – REDEVELOPMENT

BASIC MECHANICAL MATERIALS AND METHODS

- .2 Suspended:
 - .1 Cast iron pipe and fittings to CSA B70.
 - .2 DWV copper to ASTM B306 with 50/50 soldered cast brass drainage fittings to CSA B158.1 or wrought copper fittings to ANSI B16.29.
- .10 Sanitary Drainage External:
 - .1 Cast iron or approved ABS or PVC with solvent weld or ring gasket joints as specified for internal buried pipe.
 - .2 Concrete to CSA Standard A257.
- .11 Vent Piping:
 - .1 DWV Grade copper to ASTM B306 76 with 50/50 soldered cast brass or wrought copper drainage fittings to CSA B158.1 and ANSI B16.29 respectively or cast iron pipe and fittings to CSA B70.
- .12 Domestic Water:
 - .1 System pressure rated for 2070 kPa or (300 psi)].
 - .2 Code and Standards:
 - .1 ASTM B88 Standard Specification for Seamless Copper Water Tube.
 - .2 ASME B16.15 Cast Bronze Threaded Fittings, Class 150 and 250
 - .3 ASME B16.18 Cast Copper Alloy Solder Joint Pressure Fittings
 - .4 ASME B16.22 Wrought Copper and Copper Alloy Solder Joint Pressure Fittings.
 - .5 ASME B16.24 Cast Copper Alloy Pipe Flanges and Flanged fittings Class 150, 300, 400 and 600.
 - .6 CSA B242 Groove and Shouldered Type Mechanical Couplings
 - .7 AWS A5.8 Brazing Filler Material
 - .8 ASTM B32 Specification for Solder Metal
 - .9 ASTM B-312 Standard Specification for Stainless Steel Piping.
 - .3 Type L copper, hard drawn, marked certified for compliance with ASTM B88 Standard, with 95/5 soldered, wrought copper or cast bronze pressure solder fittings to ANSI B16.22 and ANSI B16.18 respectively.
 - .4 Brass or bronze threaded fittings to ASME B16.15. Brass or bronze flanges or flanged fittings to ASME B16.24. Flanged joints to AWWA C111 and bolts to ASTM A307 and nuts to ASTM 563. Silver brazing alloy to AWS Classification BCuP-5.
 - .5 Method of joint connection:
 - .1 Soldered for pipes up to 65mm (2 1/2").
 - .2 Brazed for pipes 75mm (3") or higher
 - .3 Grooved fittings may be used for exposed area.
 - .6 Buried piping: soft temper type K with soldered fittings to the previously mentioned standards.
 - .7 For pressure above 2070 kPa (300 psi) and up to 3450 kPa (500 psi), ASTM A312 Schedule 40, Type 316/316L stainless steel seamless piping and fittings with welded joints for pipe size up to 200 mm (8"). Welders to be certified in accordance with ASME Boiler and Pressure Vessel code Section IX Welding and Brazing Qualifications.

ARLINC HVAC AND CONSULTING INCORPORATED

Kyle O'Brien

P: 289-231-5905

Email: kyleobrien@rogers.com

Bill To: Robust HVAC

HST #: 75526 2938 RT0001

Address: 50 Four Valley Drive

Invoice Date: 2024-07-28

Concord, ON, L4K 4T9

Invoice For:

Description	Qty	Lot Number	Price
Road Supervisor	1		\$ 2,755.60
	Rate	Hours	
Road Supervisor	\$ 68.89	0	\$ -
	\$ 65.28	0	\$ -
	\$ 57.08	0	\$ -
		Invoice Subtotal	\$ 2,755.60
		HST)	13.00%

Description	Qty	Lot Number	Price
		Sales Tax	\$ 358.23
		TOTAL	\$ 3,113.83