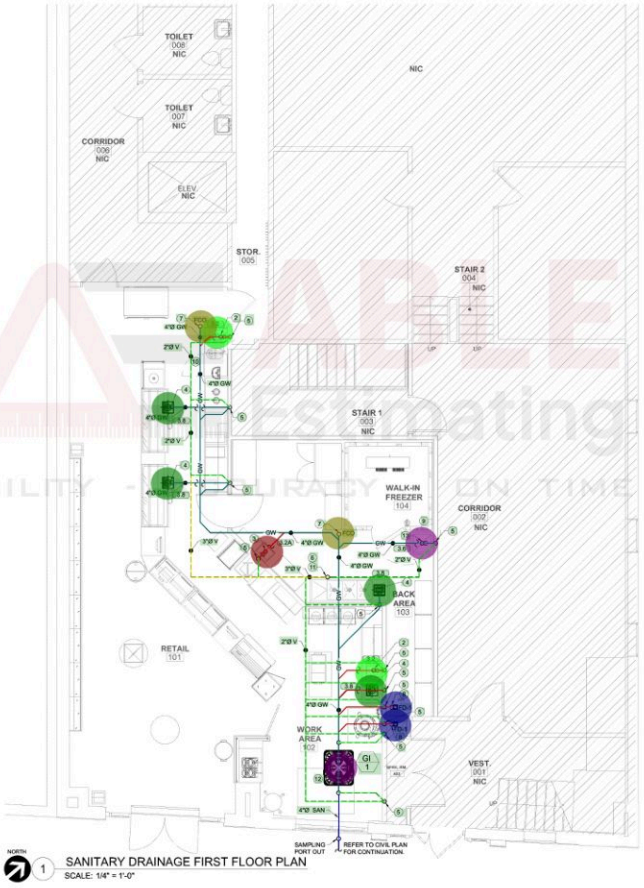
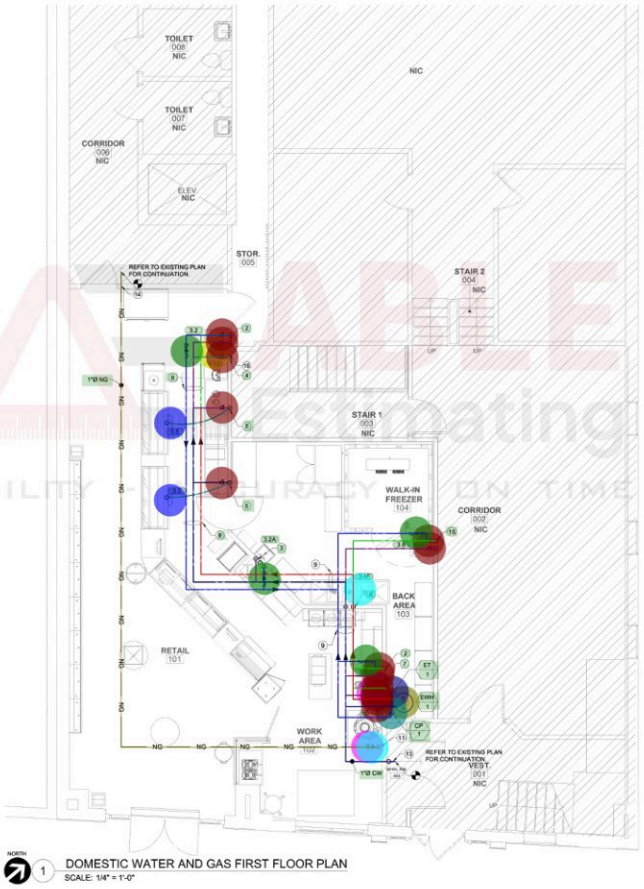


37" x 32-1/4" x 28-1/2" grea	1.0
4" dia grease waste pi...	83.9 FT
Floor drain FD-1.	2.0
Hand sink 3.2.-Manu: Re...	2.0
Floor clean out FCO.	2.0
Floor sink 3.8.	4.0
Hand sink 3.2A.-Manu: ...	1.0
Floor mounted MOP sink...	1.0
2" dia grease waste pi...	24.6 FT
2" vent piping. VIF	113.6 FT
3" vent piping. VIF	21.1 FT
4" sanitary piping. VIF	4.8 FT

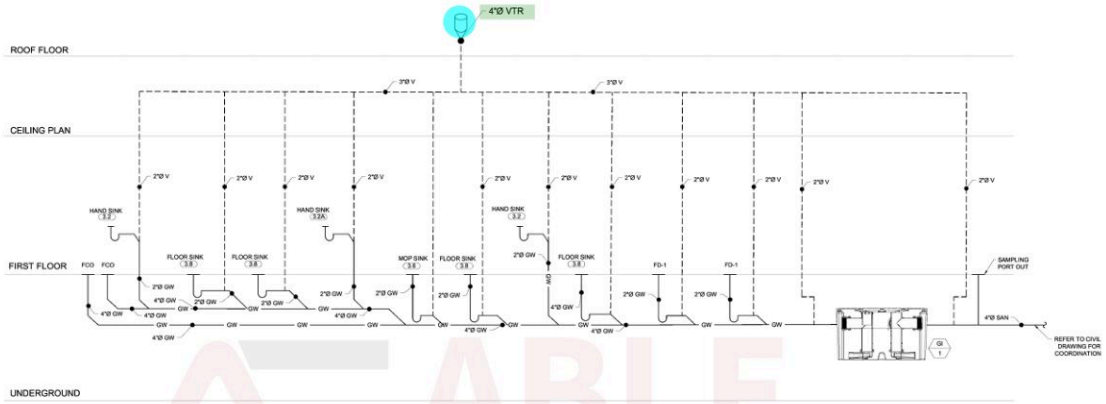
Sample takeoff prepared by ABLE Estimating | ableestimating.com | Client details removed

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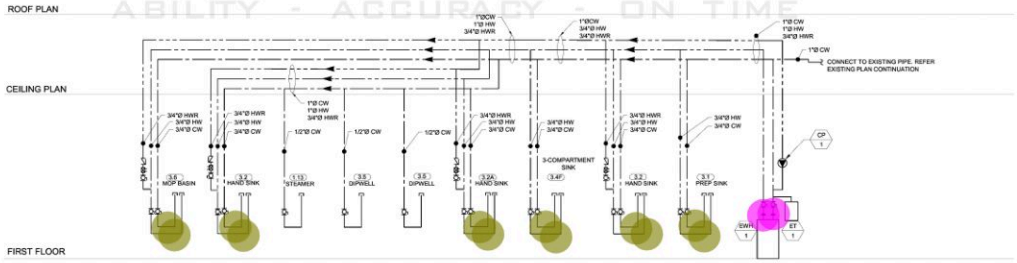
Circulating pump CP-1.	1.0
Electrical water heatrer EW	1.0
8" x 13" diaphragm type xpa	1.0
Floor mounted prep-sink 3.1	1.0
Floor mounted 3-compartm	1.0
Dipwell 3.5.	2.0
Sreamer 1.13.	1.0
Gas pressure reducing v...	1.0
Isolation valve.	1.0
Ball valve.	13.0
Balancing valve/circuit se...	4.0
1" natural gas piping. ...	64.6 FT
1" cold water piping. VIF	57.8 FT
3/4" cold water piping. ...	32.1 FT
1/2" cold water piping. ...	14.7 FT
1" hot water piping. VIF	42.8 FT
3/4" hot water piping. ...	25.8 FT
3/4" hot water return pi...	75.8 FT



NORTH 1 DOMESTIC WATER AND GAS FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



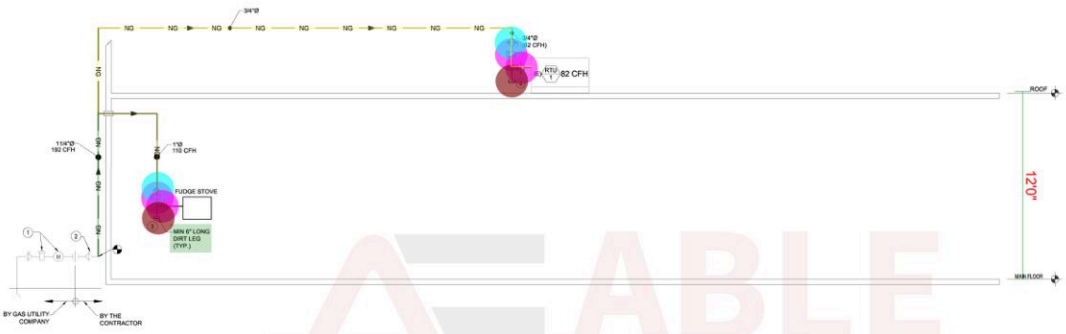
2 SANITARY DRAINAGE RISER DIAGRAM
SCALE: N.T.S.



1 DOMESTIC WATER RISER DIAGRAM
SCALE: N.T.S.

- Union. 2.0
- 4" ventthrough roof. 1.0
- Water hammer arrest... 12.0

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NATURAL GAS CONSUMPTION SCHEDULE
SCHEDULE 40 METALLIC PIPE REFER TABLE 402.4(1) FROM INTERNATIONAL FUEL GAS CODE 2021
INLET PRESSURE :7" W.C.
PRESSURE DROP : 0.3 INCH W.C.

DESCRIPTION / TAG	BASIS OF DESIGN	MODEL	WORKING PRESSURE	QTY.	CFH	TOTAL CFH
(ERTU-1	CARRIER	48HC07	4" W.C.- 14" W.C.	1	82	82
FUDGE STOVE	SAVAGE BROS CO.	#20 GAS STOVE	4" W.C.- 14" W.C.	1	110	110
					TOTAL	192

GAS PRESSURE REGULATOR VENT NOTE

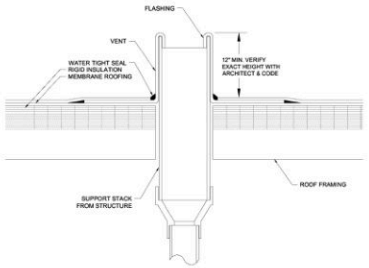
GAS PRESSURE REGULATORS INSTALLED INDOORS SHALL HAVE VENT-LIMITING DEVICE. VENT-LIMITING DEVICE SHOULD BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS

1 NATURAL GAS RISER DIAGRAM
SCALE: N.T.S.

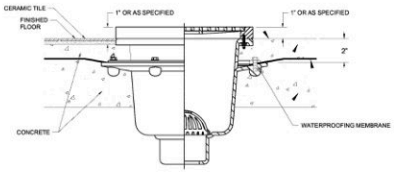
- Gas pressure reducing ... 2.0
- Isolation valve. 2.0
- Union. 2.0
- Main 6" long dirt leg. 2.0
- 1" natural gas piping.... 11.4 FT
- 1-1/4" natural gas pipi... 9.1 FT
- 3/4" natural gas pipin... 35.7 FT

Sample takeoff prepared by ABLE Estimating | ableestimating.com | Client details removed

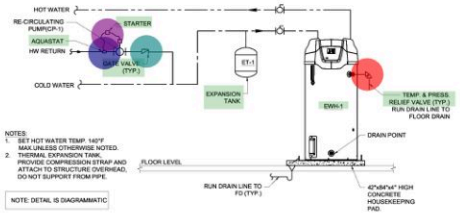
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ABILITY - ACCURACY - ON TIME



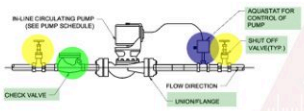
1 VENT THROUGH ROOF (VTR) DETAIL
SCALE: N.T.S.



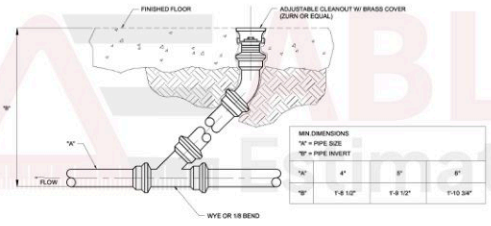
2 FLOOR SINK DETAIL
SCALE: N.T.S.



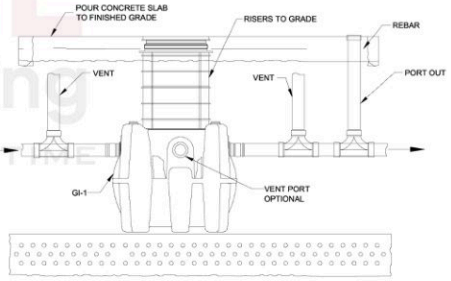
3 ELECTRIC STORAGE WATER HEATER DETAIL
SCALE: N.T.S.

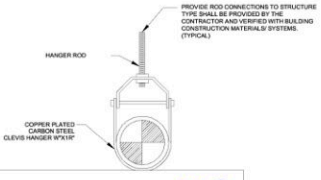


4 CIRCULATING PUMP
SCALE:N.T.S

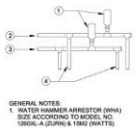


5 TYPICAL CLEANOUT TO FINISHED FLOOR
SCALE: N.T.S.





6 PIPE HANGER SUPPO
SCALE: N.T.S.



KEY NOTES:
1. WATER HAMMER ARRESTOR (WHA)
INSTALL AHEAD OF LAST FIXTURE
SERVED BY BRANCH. (TYP)
2. CW PIPE
3. HW PIPE
4. CONNECT TO FIXTURE

WATER ARRESTOR SCHEDULE

P.D.I. SYMBOL	FIXTURE UNIT RATING	SIZE (INCH.)
A	1-11	1/2"
B	12-32	3/4"
C	33-60	1"
D	61-113	1"

7 WATER HAMMER ARRESTOR DETAIL
SCALE: N.T.S.

NOTES:
1. GREASE INTERCEPTORS SHALL BE INSTALLED BELOW THE FROST DEPTH.
2. INSTALLING CONTRACTOR SHALL CONFIRM THAT GREASE INTERCEPTOR MODEL/MANUFACTURER IS APPROVED BY CITY, SEWAGE DEPARTMENT, AND HEALTH DEPARTMENT BEFORE PROCUREMENT.

8 BURIED GREASE INTERCEPTOR DETAIL
SCALE: N.T.S.

- Aquastat. 2.0
- Starter. 1.0
- Gate valve. 1.0
- Temperature & pressure... 1.0
- Check valve. 1.0
- Shut off valve. 2.0