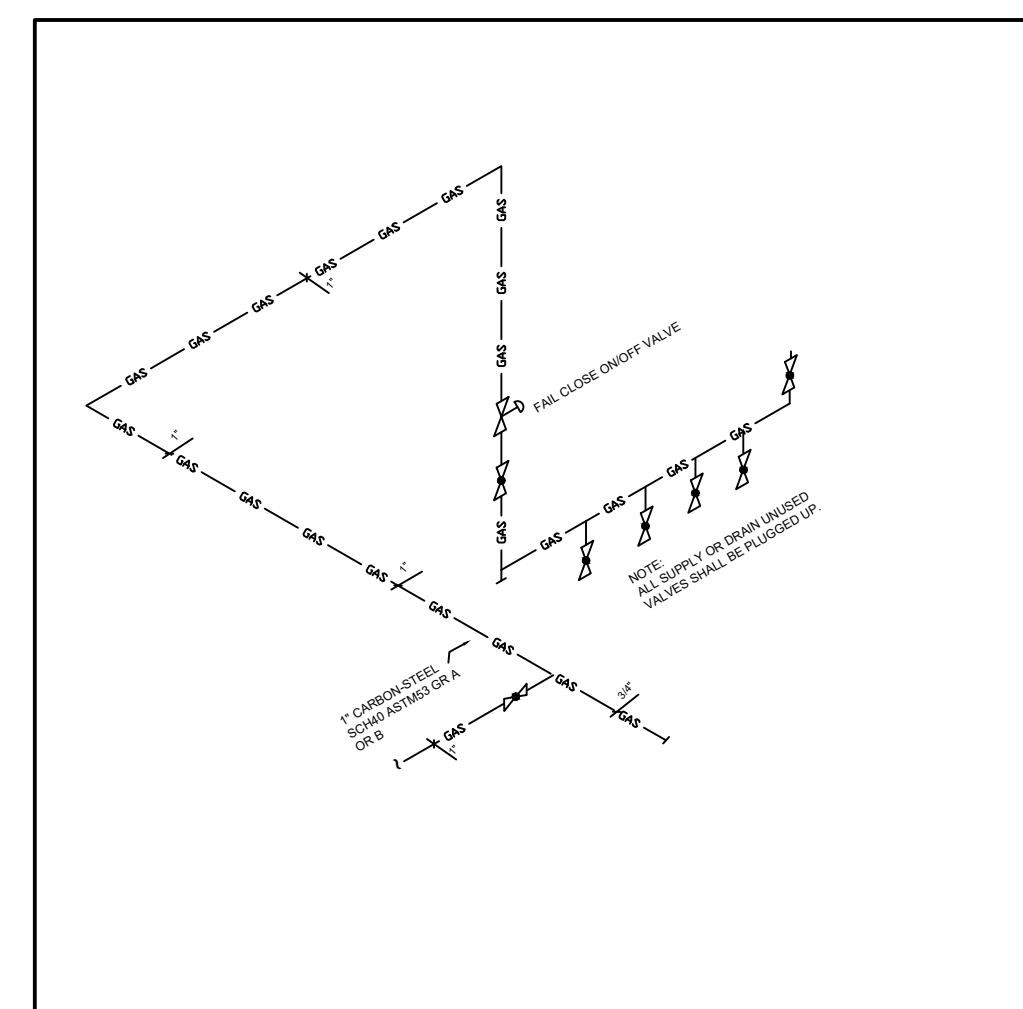
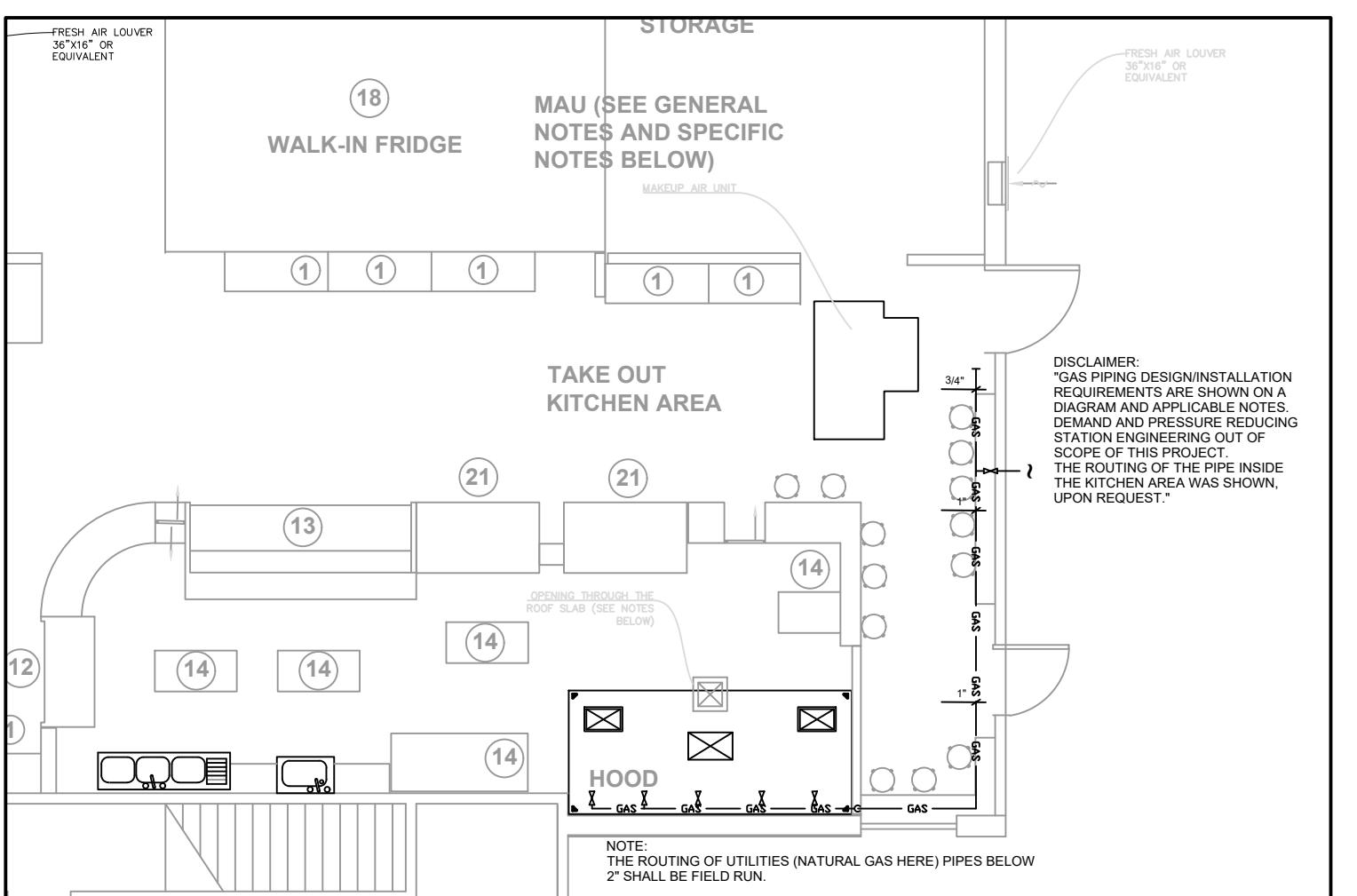
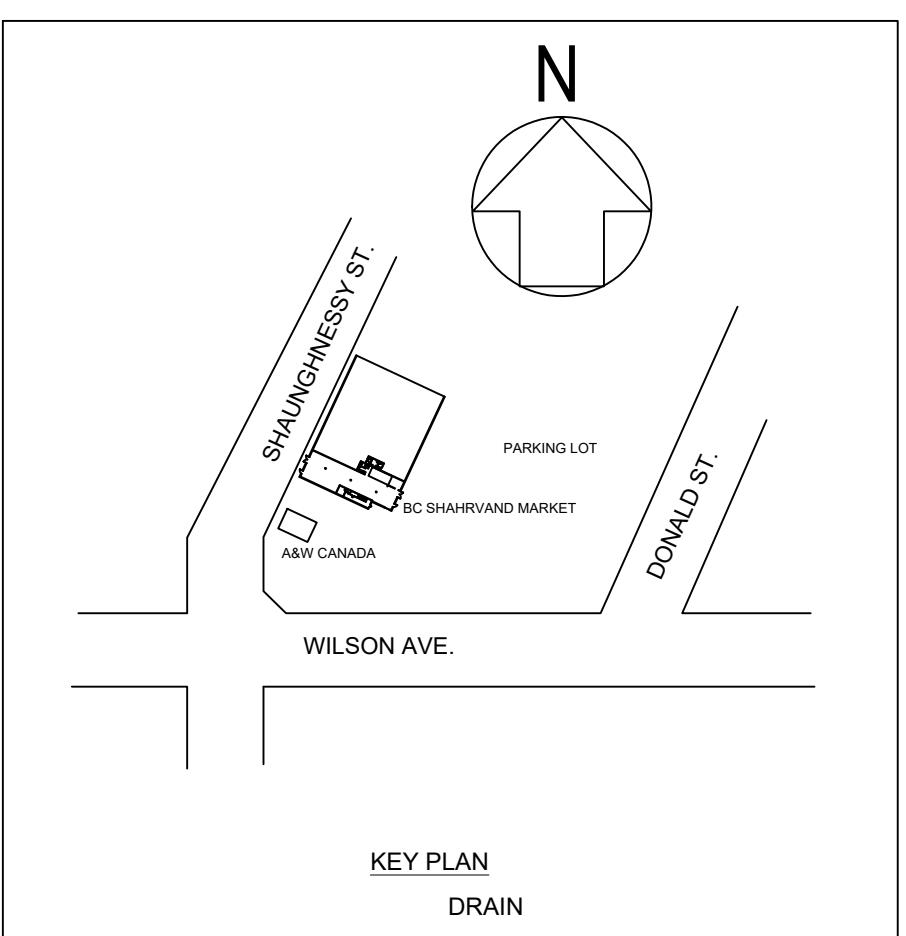


GENERAL NOTES:

1. SANITARY AND STORM DRAINAGE: CAST IRON PIPE AND FITTINGS TO CSA B70 - M1978, PVC-DWV ACCEPTABLE FOR BURIED INSTALLATION.
2. CONTRACTOR SHALL BE FAMILIAR WITH LOCAL CODE VARIANCES AND REQUIREMENTS.
3. ALL PLUMBING FIXTURES WHERE INDICATED ON PLAN SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE. FIXTURES SHALL BE PIPED WITH ALL NECESSARY APPURTENANCES (IE. VENTS, SANITARY, P-TRAP, DCV/DHV CONNECTIONS, CLEAN-OUT).
4. ALL CLEAN-OUTS SHALL BE PROVIDED AND ACCESSIBLE AS PER CODE.
5. CONTRACTOR TO LOCATE AND CONFIRM EXISTING SANITARY LINE CONNECTION AND CONFIRM THAT INVERTS AND GRADES CAN BE MET PRIOR TO COMMENCEMENT OF INSTALLATION. ANY INVERTS OR GRADES CAN NOT BE MET, CONTRACTOR MUST NOTIFY ENGINEER IMMEDIATELY.

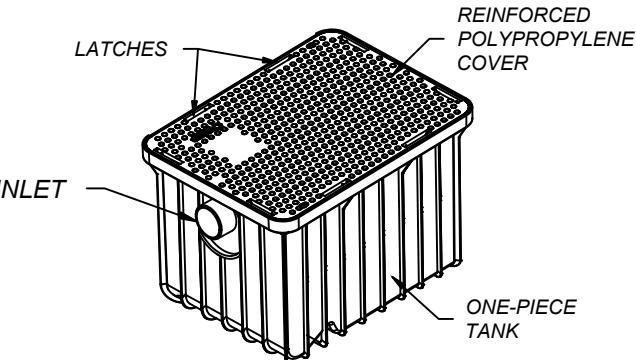
PLUMBING & MECHANICAL PIPING	
—	DOMESTIC COLD WATER
— SAN —	SANITARY DRAIN ABOVE
— V —	VENT
— D —	CONDENSATE DRAIN
— O —	ELBOW UP
— O —	TEE UP
U	P-TRAP
— → —	PIPE CONTINUATION
—	DOMESTIC HOT WATER
— SAN —	SANITARY DRAIN BELOW
— → —	FLOW DIRECTION
— → —	PIPE CAP
— + —	STRAINER
— → —	ELBOW DOWN
— X —	GATE VALVE
— II CO	LINE CLEANOUT PLUG
⊕	



SCALE 1 : 100 GAS LAYOUT

GREASE TRAP SPECIFICATION

UNIT NO.	SUPPLIER	UNIT MODEL #	GREASE CAPACITY (lb)	INLET & OUTLET SIZE (in.)	LENGTH (in.)	WIDTH (in.)	HEIGHT (in.)	NOTE
1	WATTS OR EQUIVALENT	WD-150	100	4"	32"	22"	22"	

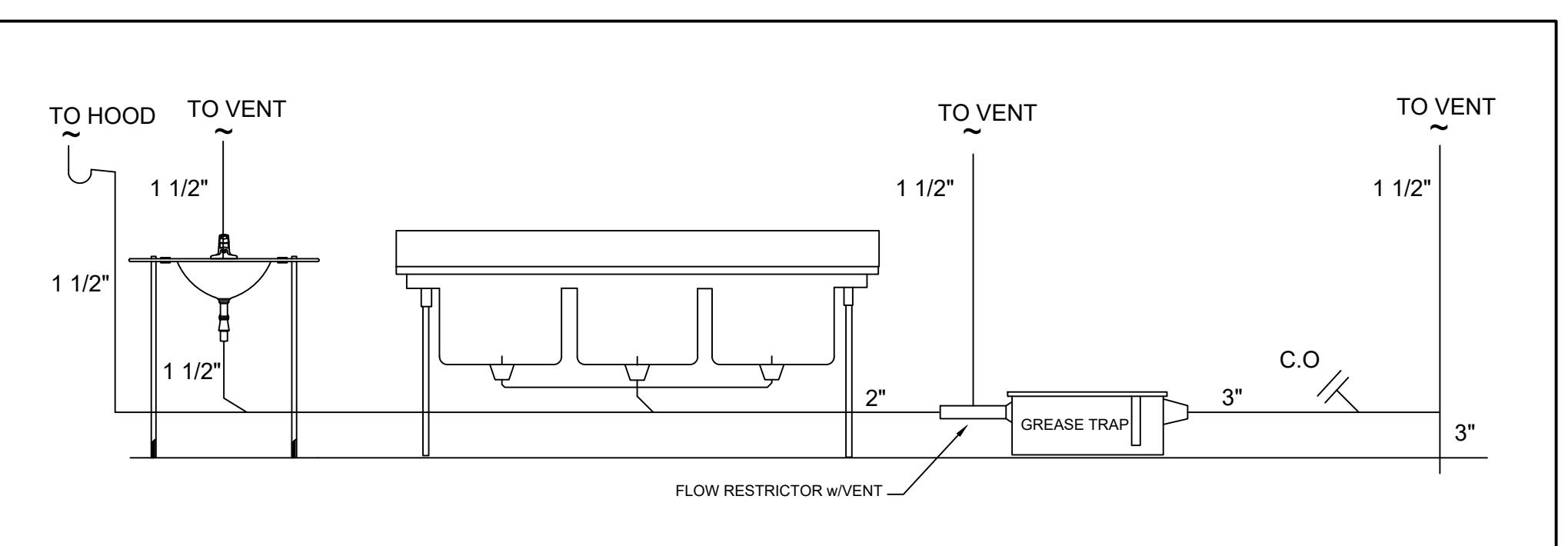
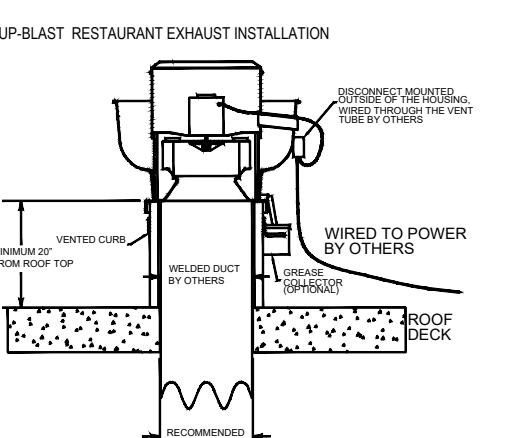


MAKE-UP AIR UNIT INFORMATION

UNIT NO.	FAN UNIT MODEL #	BLOWER	AIR FLOW CFM	ESP.	BLOWER OUTLET VELOCITY (RPM)	H.P.	B.H.P.	Ø	VOLT	MCA	WEIGHT (LBS.)	NOTE
2	HE-20	10/10	1600-2000	0.500	1568-1960	1.000	0.5-0.7	1	120	18	430	VARIABLE SPEED

EXHAUST FAN INFORMATION

FAN UNIT NO.	TAG	FAN UNIT MODEL #	AIR FLOW CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	NOTE
2		ALX165-UD-100EC	851-3004	0.500	1500	1.000	0.2640	1	208	10.2/6.1	100	VARIABLE SPEED



CONSTRUCTION GENERAL NOTES

1. GENERAL PROVISIONS

- 1.1. CODES: CONFORM TO REQUIREMENTS OF THE LATEST BC BUILDING CODE, BURNABY BUILDING BY-LAW AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- 1.2. ALL MATERIAL INSTALLED IN NON-COMBUSTIBLE BUILDINGS AND IN RETURN AIR CEILING PLENUMS SHALL MEET 25/50 FLAME/SMOKE SPREAD/DEVELOPMENT REQUIREMENTS.
- 1.3. GENERAL SCOPE AND COORDINATION
 - 1.3.1. SITE AUDIT: PERFORM A THOROUGH SITE AUDIT OF THE EXISTING SYSTEM INCLUDING, BUT NOT LIMITED TO, EXISTING EQUIPMENT SIZE/LOCATION, DUCT SIZE/LOCATION, PLUMBING PIPE SIZE/LOCATION/INVERT PRIOR TO ORDERING MATERIAL AND COMMENCING WORK. VERIFY ALL EXISTING SERVICES THAT ARE BEING EXTENDED/RECONNECTED. VERIFY ROUTING OF ALL PROPOSED NEW SERVICES. REPORT TO ENGINEER WITH ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SITE CONDITIONS. DETERMINE EXACT DIMENSIONS AND OTHER RESTRICTIVE CONDITIONS ON SITE, NOT FROM DRAWINGS.
 - 1.3.2. REPORT TO ENGINEER OF ANY EXISTING NON-CODE COMPLIANT INSTALLATIONS.
 - 1.3.3. BUILDING SYSTEM TIE-IN: COORDINATE WITH THE LANDLORD FOR ALL NECESSARY SHUTDOWN OF SYSTEMS. INCLUDE OVERTIME/AFTER-HOUR COSTS IN THE TENDER FOR SYSTEM TIE-INS AND WORK REQUIRED WITHIN ADJACENT TENANT SPACES.
 - 1.3.4. SITE UTILITY TIE-IN: COORDINATE WITH THE LANDLORD, UTILITY COMPANIES, AUTHORITIES, AND THE CONSULTANTS TO INTERRUPT, RE-ROUTE AND/OR CONNECT TO WATER, SEWER, WITH MINIMAL INTERRUPTIONS. CONTACT RESPECTIVE UTILITY COMPANY AND INFORM SERVICES INTERRUPTION TIMELINE TO PARTIES INVOLVED.
 - 1.3.5. NEW EQUIPMENT AND MATERIALS SHALL MATCH OR EXCEED BASE BUILDING STANDARDS. PROVIDE HIGHER STANDARD OF EQUIPMENT AND MATERIAL WHEN SPECIFIED. REMOVE UNACCEPTABLE MATERIALS AND INSTALL SUITABLE MATERIAL IN THEIR PLACE.
 - 1.3.6. PROVIDE ALL REQUIRED RIGGING, SUPPORT, DRILLING, APPROVED INSERTS, HANGERS AND AUXILIARY STRUCTURAL SUPPORT MEMBERS NECESSARY FOR MOUNTING AND HANGING EQUIPMENT.
 - 1.3.7. SUSPENSION FROM METAL DECK, OTHER DUCTS/PIPES, ONE HANGER FROM ANOTHER ARE NOT PERMITTED.

2. SHEET METAL AND DUCTWORK

- 2.1. PROVIDE DUCTWORK IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING, BUT NOT LIMITED TO, LATEST SMACNA AND ASHRAE STANDARDS, LOCAL SEISMIC ZONE REQUIREMENTS, NFPA 90A AND NFPA 90B, AND NFPA 96 FOR KITCHEN EXHAUST DUCTS. DUCTS SHALL BE CONSTRUCTED TO MATCH PRESSURE RATING OF SPECIFIED EQUIPMENT. COORDINATE ALL INTERFERENCES WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

3. PLUMBING MATERIALS:

- 3.1. PIPING TO COMPLY WITH BCBC 2018 AND LOCAL BY LAWS AND ORDINANCES. DOMESTIC COLD HOT AND RE-CIRCULATING WATER PIPING TO BE: ABOVE GRADE DISTRIBUTION PIPE TO BE TYPE L COPPER, FITTING TO BE WROUGHT COPPER AND JOINTS TO BE LEAD-FREE SOLDER USING FLUX.
- 3.1.2. ABOVE/Below GRADE PEX PIPING TO BE UPON AQUAPEX LISTED TO CSA-B 137.10 FOR PIPE SIZES 1-1/2" AND SMALLER. PEX, PIPING THAT IS BURIED IS TO BE ONE CONTINUOUS PIPE NO FITTINGS IN SLEEVES.
- 3.1.3. SANITARY AND STORM PIPING TO BE: ABOVE GRADE DWV CAST IRON PIPE WITH IRON FITTINGS LISTED TO CSA B 70. JOINTS ARE TO BE MJ (MECHANICAL FASTENERS).

4. PLUMBING SUPPORT

- 4.1. HORIZONTAL SUPPORT LENGTH AND LIMITS BELOW. FOLLOW MANUFACTURERS RECOMMENDED INSTALLATION GUIDELINES WHICHEVER IS MORE RESTRICTIVE.
- 4.2. CI PIPE 9'-10" (3 M) MAX AND AT EACH JOINT / HUB. 3'-3" (1 M) MAX WHEN ADJACENT MECHANICAL JOINTS LESS THAN 12'.
- 4.3. COPPER / BRASS PIPE 9'-10" (3 M) MAX WHEN HARD TEMPER AND >1", 8'-2" (2.5 M) MAX WHEN HARD TEMPER AND <=1", 8'-2" MAX WHEN SOFT (2.5 M).
- 4.4. PEX / AL / PEX 3'-3" (1 M) MAX. PEX PLASTIC PIPE 2'-7" (0.8 M) MAX. 2 HANGERS THAT SUPPORT PIPING BY METAL RODS ARE TO HAVE THE FOLLOW SIZES: 1/4" ROD FOR 2" PIPE OR LESS. 5/16" ROD FOR 4" PIPE OR LESS 1/2" ROD FOR PIPE GREATER THAN 4".

5. TESTING

- 5.1. TESTING OF ALL MECHANICAL AND PLUMBING SYSTEMS ARE TO COMPLY WITH THE AHJ AND THE MINIMUM REQUIREMENTS SET OUT BELOW. HYDRAULIC TESTS ARE TO BE HELD OUT FOR A 24-HOUR PERIOD IN WHICH NO SIGNIFICANT PRESSURE DROP IS TO BE OBSERVED. IF THERE IS A LEAK, REPAIR AND RETEST.
- 5.2. DOMESTIC WATER PIPING TO BE PRESSURIZED TO 150 PSIG AT SYSTEM LOW POINT.
- 5.3. DRAINAGE PIPING TO BE PRESSURIZED BY A STANDING WATER COLUMN OF 10 FT MIN TO 25 FT MAX. BALL TEST TO BE USED TO TEST SLOPE AND BLOCKAGES.

6. GREASE INTERCEPTORS (GI)

- 6.1. PRIOR TO PURCHASING THE GREASE INTERCEPTOR, THE OWNER AND CONTRACTOR ARE TO CONFIRM IN WRITING TO THE ENGINEER THAT: VOLUME OF BASINS IS CORRECT AS STATED IN "GREASE INTERCEPTOR TABLE", LOCATION AND SIZE OF GI IS ACCEPTABLE, STRUCTURAL ENGINEER AND LANDLORD HAS APPROVED THE INSTALLATION.
- 6.2. GI COMPLIES WITH BYLAW GVRD #268-2012 AS A MINIMUM. LARGER SIZE IS AT THE DISCRETION OF THE ENGINEER.
- 6.3. CONFIRM WITH AHJ (AUTHORITY HAVING JURISDICTION) ABOUT GPM FOR DISH GLASS WASHER AND ESPRESSO MACHINE OCCASIONALLY THE AHJ WILL HAVE DIFFERENT GPM.
- 6.4. 4" SAMPLING TEE DOWNSTREAM OF GI AND BEFORE OTHER CONNECTIONS PORT TO BE VERTICALLY PERPENDICULAR AND DIRECTLY ABOVE PIPE. CLEAN OUTS AND VENTING ON BOTH SIDES.
- 6.5. GREASE TRAP TO BE CERTIFIED TO CSA B 461. ALTERNATIVELY, PDI G 101, IAPMO / ANSI Z 1001 CONFIRM WITH AHJ.

1 R/H 09.08.20 FOR BP ACQUIS MP JH
0 R/H 29.07.20 FOR BP ACQUIS MP JH
B R/H 15.07.20 FOR BP ACQUIS MP JH
A R/H 07.06.20 FOR BP ACQUIS MP JH
RV BY DATE REVISION DETAILS CHKD APPR

CLIENT/LOT/ADDRESS: Mr. Jamshid Haidari
DAY TO DAY HALAL MARKET
2540 SHAUGHNESSY ST.
PORT COQUITLAM BC

MECHANICAL ENGINEER: MORTEZA POURBAKHT,
P.ENG. (BC & AB)

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DRAWING TITLE:

GENERAL NOTES AND SPECIFICATIONS

PROJECT NAME: DAY TO DAY HALAL MARKET

PROJECT#: 2020065

DWG#: A101-P2

REV#: 1

