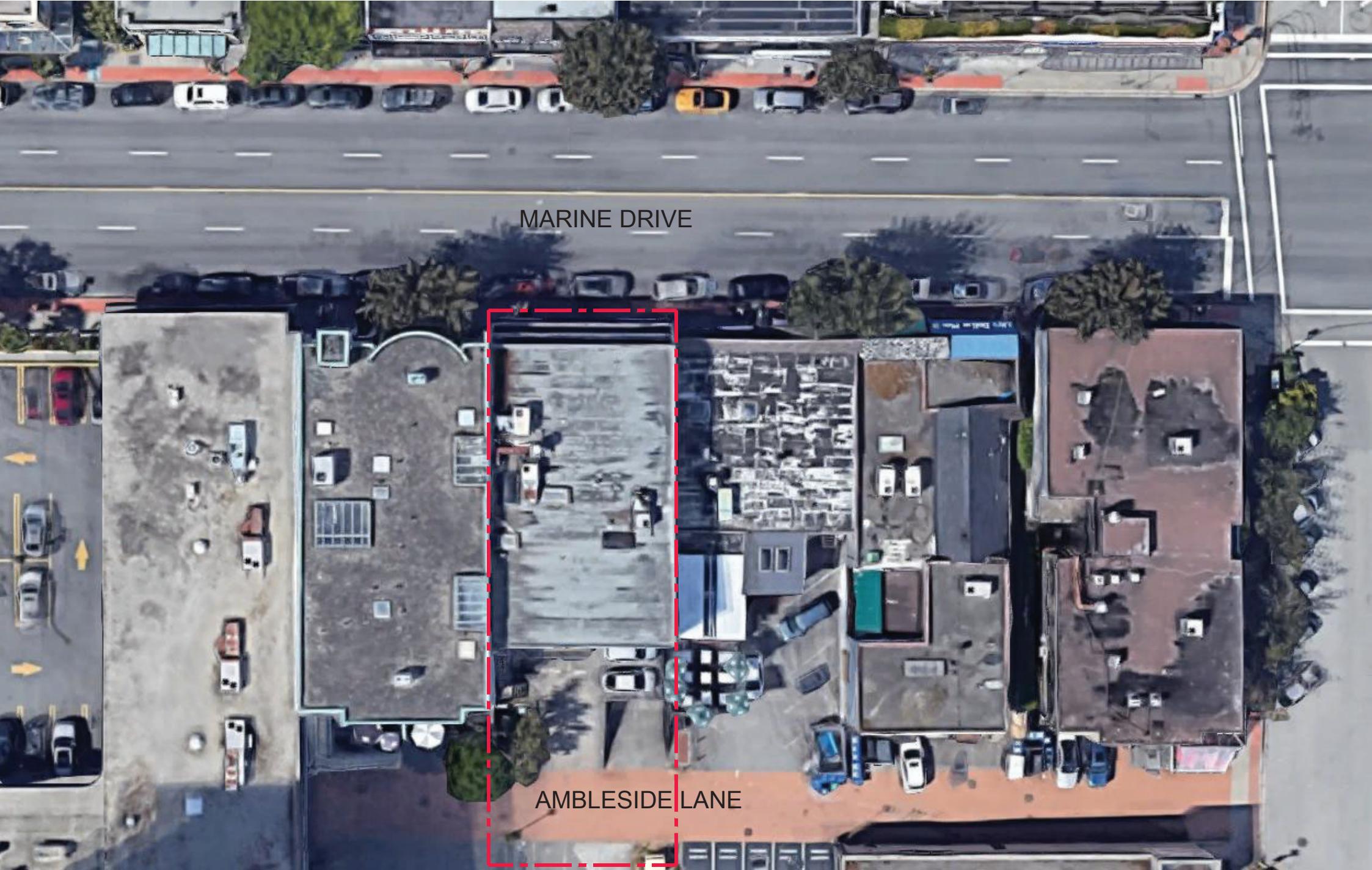


GRAB AND GO PLUS RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER, BC

MANSOURI
PEOPLE BUILD DESIGN



CONTEXT PLAN

GENERAL NOTES:

- ALL WORK TO COMPLY WITH BCBC 2018 AND AUTHORITIES HAVING JURISDICTION.
- VERIFY ALL SITE DIMENSIONS / CONDITIONS PRIOR TO STARTING CONSTRUCTION
- CONTRACTOR TO BE RESPONSIBLE TO SAFETY AND SECURITY OF ALL EQUIPMENT DURING THE CONSTRUCTION.
- ALL WORK MUST BE DONE TO BEST TRADE PRACTICES AND WORKMANSHIP.
- UNLESS OTHERWISE STATED, ALL DEBRIS AND EXCESS MATERIAL TO BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE.
- ROOM SIZES AS SHOWN ARE APPROXIMATE SIZES ONLY.

SUB-CONTRACTOR TO REFER TO WALL- TO -WALL DIMENSIONS FOR EXACT LOCATION OF ALL PARTITIONS NOT SHOWN ON T-BAR GRID LINES.

FASTENED TO EXISTING FLOOR/WALL/ CEILING.

CONSTRUCTION AS MAY BE APPLICABLE TO ENSURE SATIABILITY.

CONSTRUCTION IS ADEQUATELY BLOCKED/ BRACED/ TO ACCOMMODATE CUPBOARDS, SHELVING, FIXTURE. ETC.

REVISED

APR 26 2024

District of West Vancouver
Permits Dept.

REMOVAL OF CONSTRUCTION MATERIALS

- For buildings constructed prior to 1990
- Inspections will not be carried out until the Hazmat Survey and any related documents are received.
- These documents must be prepared by a Qualified Person.

Please refer to: www.worksafebc.ca and www.westvancouver.ca/permits

PROFESSIONAL ENGINEER APPROVAL REQUIRED FOR SEISMIC AND STRUCTURAL ADEQUACY OF ALL CEILING HUNG EQUIPMENT, CEILINGS AND BULKHEADS

ELECTRICAL, PLUMBING, SPRINKLERS AND SIGNAGE WILL REQUIRE SEPARATE PERMIT

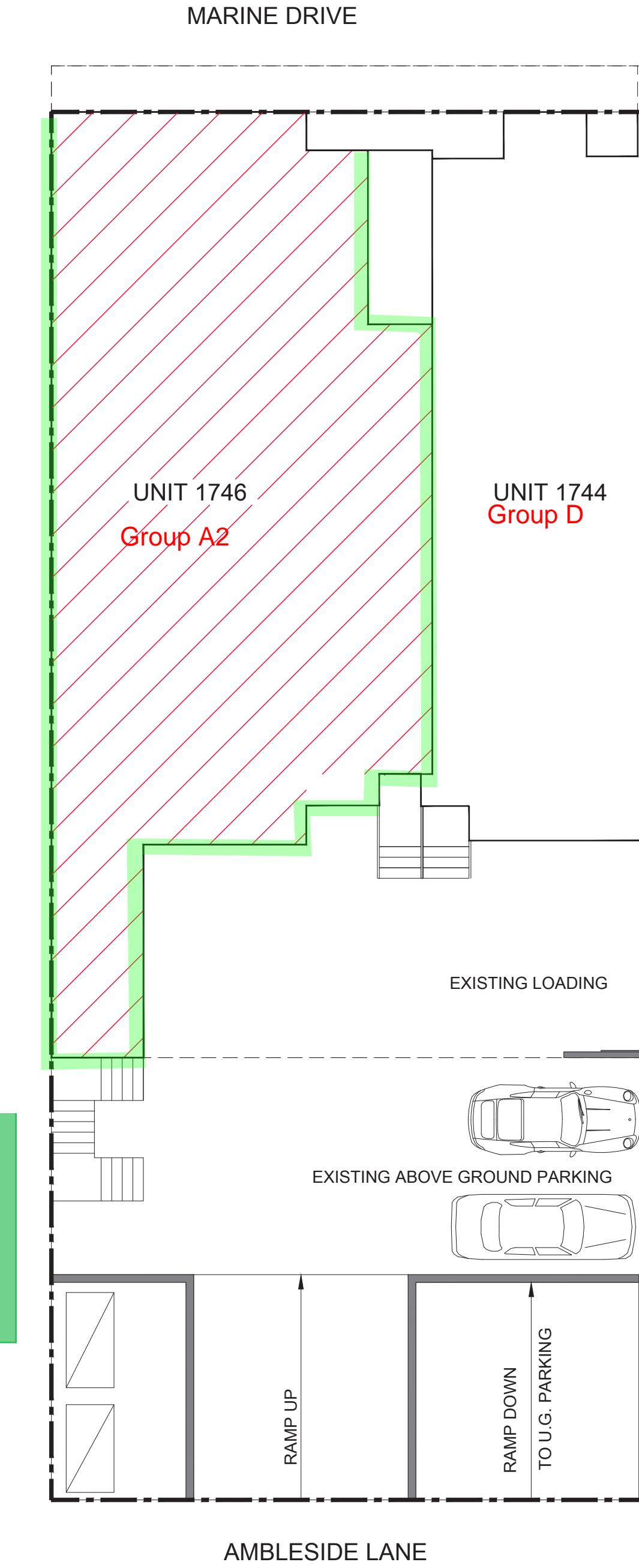
PLEASE CALL FOR FRAME INSPECTION PRIOR TO INSULATION OR DRYWALL (after Electrical and Plumbing rough-in)

STRUCTURAL ENGINEER DESIGN AND REVIEW REQUIRED FOR STORAGE RACKING/SHELVING IN EXCESS OF 8'-6"

STRUCTURAL ENGINEER REQUIRED TO REVIEW NEW OPENING IN REINFORCED SLAB. REFER TO BASE BUILDING CONSULTANTS

COMBUSTIBLE INTERIOR FINISHES IN NON-COMBUSTIBLE CONSTRUCTION

- Wall finishes, other than formed plastics, shall not be more than 25mm thick, and FSR 150 maximum on any exposed surface, or any surface that would be exposed by cutting through the material in any direction.
- Ceiling finishes, other than formed plastics, shall not be more than 25mm thick, and FSR 150 maximum on any exposed surface, or any surface that would be exposed by cutting through the material in any direction, except that not more than 10% of the ceiling area within each fire compartment is permitted to have FSR not more than 150.
- Combustible interior ceiling finishes of fire-retardant-treated wood are permitted provided they are not more than 25mm or are exposed fire-retardant-treated wood batten.



SITE PLAN

Door Handle Requirements
Section 3.8.3.6.(4)(a)
Door handles shall be graspable and operable with one hand in a closed position, without requiring tight grasping, pinching fingers, or twisting of the wrist.

THE OPERATION OF A BUSINESS MUST COMPLY WITH THE BUSINESS LICENCE BYLAW NO. 4455, 2005, PART 6 AS IT RELATES TO THE CONTROL OF ODORS EMANATING FROM A TENANCY (PLACE OF BUSINESS).

THIS PROPERTY IS LOCATED IN A DEVELOPMENT PERMIT AREA. ANY ALTERATION TO THE EXTERIOR OF THE BUILDING REQUIRES THE APPROVAL OF THE PLANNING DEPARTMENT OF WEST VANCOUVER.

Letters of Assurance on File

A CRP Emanuele Trinca Colonel, R.Arch.
B Arch Emanuele Trinca Colonel, R.Arch.
C Elec Abdul El-Haddad, P. Eng.
D Mech Satwik Shetty, P. Eng.
E Plumb Satwik Shetty, P. Eng.
F Fire Suppression Satwik Shetty, P. Eng.

Vancouver Coastal Health approved letter and stamped drawings received and on file.
Metro Vancouver grease interceptor compliance letter received and on file.

2018 BC Building Code

PROJECT ADDRESS:
1746 MARINE DRIVE, WEST VANCOUVER, BC
LEGAL DESCRIPTION:
PLAN 4140 DISTRICT LOT 775 BLOCK R LOT 5
SCOPE OF WORK:
THE TENANT IMPROVEMENT FOR THE FITTING OUT OF A RESTAURANT

BUILDING CODE SUMMARY	REFERENCE
GOVERNING BUILDING CODE: BCBC 2018	
MAJOR OCCUPANCY CLASS: D	3.2.2.56
	3.1.2.1
NUMBER OF STREETS: 2	3.2.2.10
BUILDING AREA: ABOVE GROUND APPROX. 6080 SQ. FT (650 M ²)	
UNDER GROUND APPROX. 5940 SQ. FT (696 M ²)	
UNIT AREA: 2078 SQ.FT. (193 M ²)	
BUILDING HEIGHT (STOREYS): 2 ABOVE GROUND + UNDERGROUND	
SUITE CLASSIFICATION: GROUP A, DIVISION 2,	3.2.2.25
SPRINKLER SYSTEM: NO	
STANDPIPE REQUIRED: NO	3.2.5.8
EXISTING BUILDING CONSTRUCTION: COMBUSTIBLE OR NON-COMBUSTIBLE	
REQUIRED FRR:	
FLOOR 45 MIN	3.2.2.25.A)
MEZZANINES 45 MIN	3.2.2.25.B)
SUPPORTING MEMBERS 45 MIN	3.2.2.25.D)
A2 - D 2 H existing(wall)per HP	3.1.3.1.
EXISTING FRR:	
WALLS 2 H	
FLOORS 12 H existing(floor above) per HP	
EXITS	3.4
CRITERIA FOR ONE EXIT: GROUP A MAX FLOOR AREA 150 M ²	
MAXIMUM TRAVEL DISTANCE 15M. (NOT SPRINKLERED)	
GROSS AREA 193 M ²	TABLE 3.4.2.1.-A
NO. OF EXITS REQUIRED - 2	EXISTING - 2
DISTANCE BETWEEN EXITS NOT LESS THAN 9M	3.4.2.3.1) B)
TRAVEL DISTANCE 27.17M (MAX 30M) (SEE FLOOR PLAN A05)	3.4.2.5.1) F)
EXIT WIDTH REQUIRED	3.4.3
EXIT WIDTH: 6.1MM/PERSON	3.4.3.2.1)A)
REQ'D WIDTH: 305 MM	
EXIT WIDTH PROVIDED: 1830MM	
EMERGENCY LIGHTING REQ'D: YES @ EXITS	3.2.7.3
OCCUPANT LOAD	3.1.17.2
AREA 52.8 M ²	AREA/PERSON 1.20
KITCHEN 55.8 M ²	44
TOTAL	6
50	
NUMBER OF SEATS PROVIDED:	44
STAFF (KITCHEN, RESTAURANT SERVICE AREA):	6
50	
LAVATORIES	TABLE 3.7.2.2.-A
NUMBERS OF PERSONS OF EACH SEX - 25	
REQUIRED MALE - 1	
FEMALE - 1	
EXISTING PROVIDED:	
MALE - 1 ACCESSIBLE	
FEMALE - 1 ACCESSIBLE	
STAFF 1 - UNISEX	
ACCESSIBLE LAVATORIES CONFORM TO 3.8.3.12 OF THE BCBC 2018	
NOTE: SEPARATE PERMIT REQUIRED FOR THE SIGNAGE.	

ACCEPTED
FOR BUILDING PERMIT ISSUANCE
BP119005

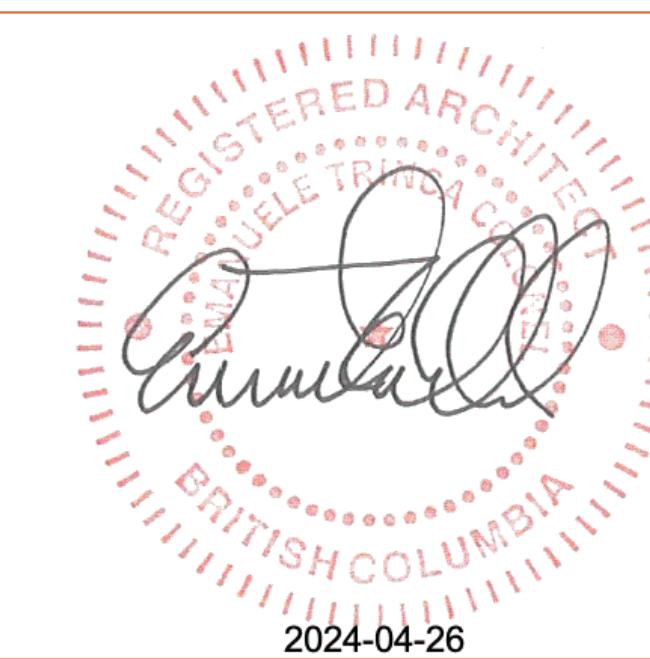
These drawings to be available on site
PERMITS & INSPECTIONS DEPT.
DISTRICT OF WEST VANCOUVER

COPYRIGHT RESERVED.

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.



TRINCA ARCHITECTURE INC
1645 West 5th Ave
Vancouver BC V6J 1N5
604.737.4766
info@trincaarchitecture.com



PROJECT :
GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

TITLE :
SITE AND CONTEXT PLANS
PROJECT DATA

DATE FEBRUARY, 2024
DRAWN CHECKED K. MEMARY MT
SCALE N.T.S.
REVISION APRIL. 25, 2024
DRAWING NO. A-01

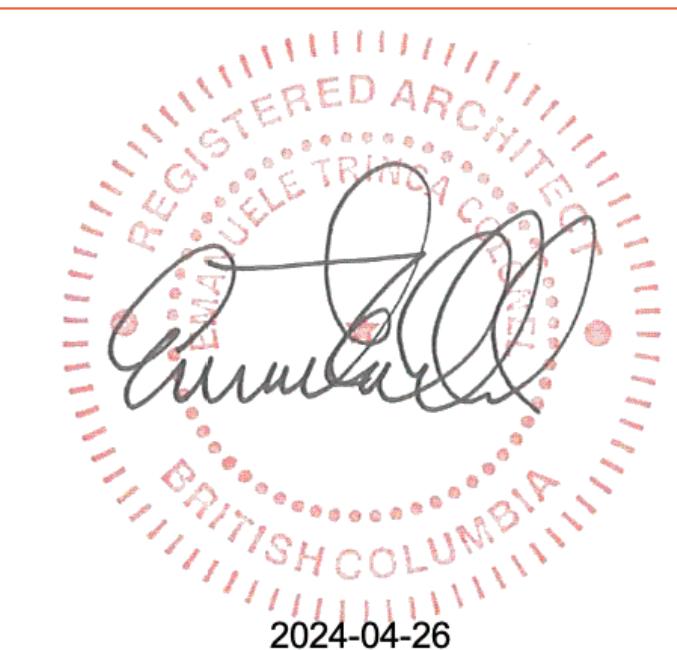
COPYRIGHT RESERVED.

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.



TRINCA ARCHITECTURE INC

1645 West 5th Ave
Vancouver BC V6J 1N5
604.737.4766
info@trincaarchitecture.com



2024-04-26

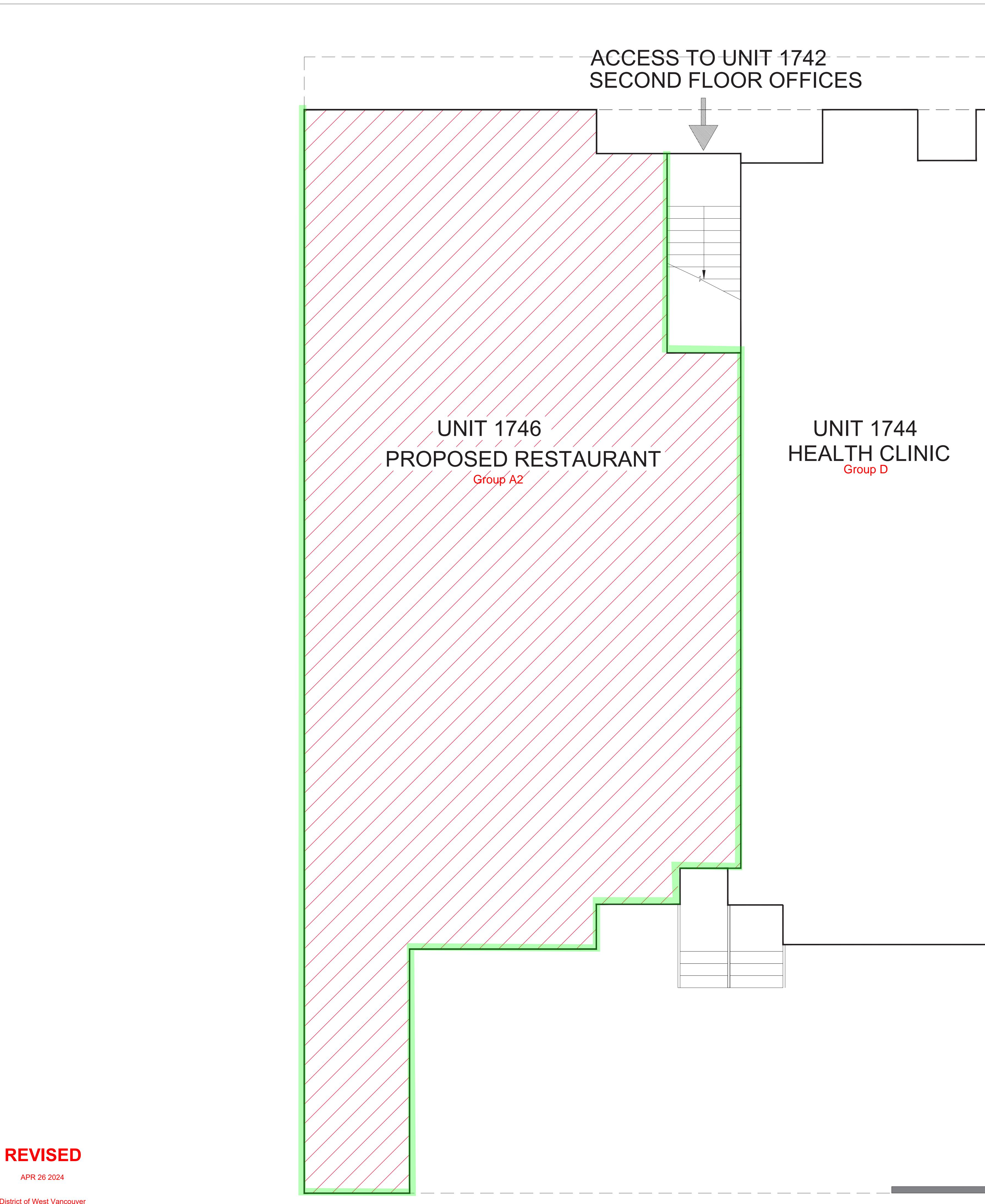
PROJECT :
GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

TITLE :
GROUND FLOOR KEY PLAN

DATE FEBRUARY, 2024
DRAWN K. MEMARY
CHECKED MT
SCALE 1/4" = 1'-0"
REVISION

DRAWING NO. A-02



BP 119005

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Parks and Environment Department
Tel: 604-432-6200 or via Email
regulationenforcement@metrovancouver.org

February 15, 2024

Grab and Go Plus
1805 Lonsdale Avenue
North Vancouver, BC V7M 2J8

VIA EMAIL: masoud_ashour2016@icloud.com
Attention: Masoud Ashourimovaghi, Owner

Dear Masoud Ashourimovaghi:

Proposed Installation and the Food Sector Grease Interceptor Bylaw

Metro Vancouver staff review proposed grease interceptor installations to provide interpretation on whether the installation will comply with current requirements in GV&DD Food Sector Grease Interceptor Bylaw No. 365, 2023 ("the Bylaw"). While we appreciate the opportunity to review your proposal, the Bylaw does not require this review. Please note that the responsibility to comply with the Bylaw falls upon the owner/operator.

Based on the information provided on February 12, 2024, we understand that you will install and connect the fixtures and grease interceptor at Grab and Go Plus, 1746 Marine Drive, West Vancouver, BC, as outlined in the table below:

Fixture	Dimensions (inches)	Assigned Flow Rate in gallons per minute (GPM)	Connection to Grease Interceptor
1. Three-compartment sink	3x(24 x 24 x 14)	78.6*	Zurn Proceptor GMC-100 USGPM
2. Dishwasher	-	14	
3. Floor Drain	3	37.5**	

*Assigned flow rate using 75% sink volume as per grease interceptor selection methodology.
**Flows from the floor drains and/or mop sink are considered non-simultaneous for the calculations.

RECEIVED
FEB 20 2024 66089315
District of West Vancouver
Permit Dept.

4515 Central Boulevard, Burnaby, BC, Canada V5H 0C6 | 604-432-6200 | metrovancouver.org
Metro Vancouver Regional District | Greater Vancouver Water District | Greater Vancouver Sewerage and Drainage District | Metro Vancouver Housing Corporation

Grab and Go Plus
Proposed Installation and the Food Sector Grease Interceptor Bylaw
Page 2 of 2

If you make any changes to the specifications noted in the table above, and would like us to reassess your proposal, please let us know as soon as possible.

Consistency with the MV Grease Interceptor Selection Methodology
We have reviewed the assigned flow rates of all plumbing fixtures connected to the grease interceptor detailed in the table above and have found that the proposed installation is consistent with Step 1 of the approved Metro Vancouver Grease Interceptor Selection Methodology and meets certification requirements in the Bylaw.

Future Compliance with the Bylaw
In addition to the requirement to install a grease interceptor that meets the standards requirements and is properly-sized (Part 8), there are grease interceptor maintenance requirements specified in the Bylaw (Part 10). The attached Grease and Commercial Kitchens brochure summarizes these requirements. Future compliance with the Bylaw will largely depend on proper maintenance of the grease interceptor, and we may request maintenance records or inspect the establishment's assets if the grease interceptor is operated properly.

There may be municipal or health authority requirements that are additional to the terms specified in the Bylaw.

If you have any questions, please contact me at 604-307-5216 or at Cynthia.Barros@metrovancouver.org.

Sincerely,

Cynthia Barros

Cynthia Barros
Officer
Environmental Regulation and Enforcement Division
CAB/HMHCab

CC: Norm Vito, Utilities, Engineering and Transportation Department, City of West Vancouver, vito@westvancouver.ca

Attachment: Grease and Commercial Kitchens Brochure

66089315

Vancouver Coastal Health
Promoting wellness. Ensuring care.

Coast Garibaldi Office, Box 1060, 5571 Inlet Ave., Sechelt, V0N 3R6 Tel: 604-885-6164
North Vancouver Office, 132 W Esplanade, North Vancouver, V7J 1A2 Tel: 604-983-0700
Richmond Office, 8100 Granville, Richmond, V6V 3T6 Tel: 604-233-3347
Surrey Office, Box 220 1140 Hunter Pl., Surrey, V3R 6A2 Tel: 604-595-2293
Vancouver Office, 1500-601 West Broadway, Vancouver, V6Z 4C2 Tel: 604-675-3590

FOOD PREMISES PLAN REVIEW

Date (Plan Reviewed)	Date (Plan Received)	Nearest
February 20, 2024		202402232336
Premises Name:	Grab and Go Plus Restaurant	EH/Work Area
Address:	1746 Marine Dr, West Vancouver	Building Permit #
Discussed with applicant: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Applicant Name: Sam Mansouri, Designer	Applicant Phone: 778.995.6838

Environmental Health has reviewed the plans for: FS1 **Program:** **Renovation by existing owner:**
Drawing No.:
Plans APPROVED subject to the following conditions:
 A copy of the VCH-approved plans with this review sheet must be kept on premises during construction and available for inspection by Environmental Health.
 Any revisions to the VCH-approved plans will require re-submission for health approval.
 No accumulation of smoke, grease, water vapour and objectionable odors permitted. Ventilation must comply with Municipal Fire and Building Code requirements.
 Final finish: floors, walls in food preparation, storage and display areas smooth and impervious.
 Finish: ceilings above food preparation, storage, display areas smooth & impervious, no exposed utility lines.
 Floor and walls painted to avoid staining.
 Floor drains in the food preparation area (as required).
 Adequately sized dry storage area.
 Building designed to prevent entry of pests.
 Adequate lighting with protective shields over food preparation and storage areas.
 Approved food preparation source.
 Adequate hot water supply.
 Hand wash sink located in food preparation area x3.
 Two-compartment pot sink with drain board.
 Approved commercial dishwasher.
 Three-compartment pot sink with drain board.
 Janitorial sink located in suitable area.

Operator Requirements:
 Final health inspection and approval required prior to opening for business.
 Complete and submit a food operating permit application form or Non-permitted facility application form.
 Provide copy of Food Safe certification or equivalent.
 Provide copy of Current Health Inspection plan.
 Provide copy of Certificate of Occupancy for corporately owned premises.
 Compliance or inspection of a food premises must follow requirements outlined in the Public Health Act, Food Premises Regulations, B.C. Reg. 210/99 and supporting documents.
 Contact other local government, Provincial or Federal inspection agencies for approval.

Plans NOT APPROVED:
 Require detailed floor/equipment plans of food preparation/storage areas.

Charlene Wood
EHO (Signature)
Food Premises Plan Review (Rev. 2022)

Reviewed By: (Print)

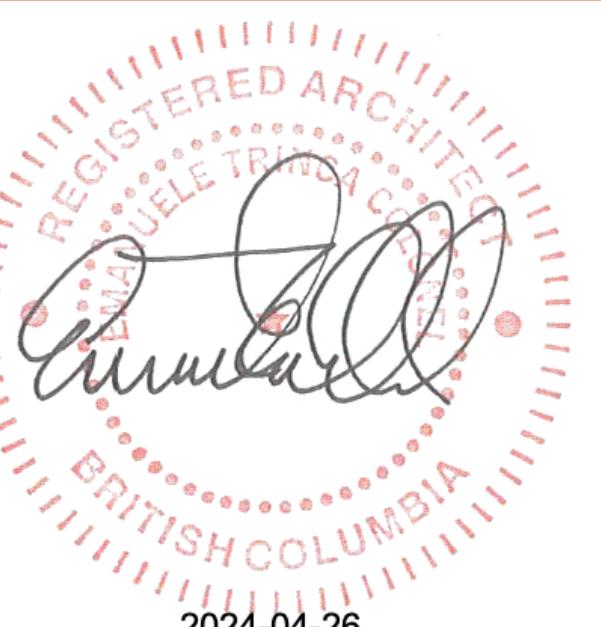
COPYRIGHT RESERVED.

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.



TRINCA ARCHITECTURE INC

1645 West 5th Ave
Vancouver BC V6J 1N5
604.737.4766
info@trincaarchitecture.com



2024-04-26

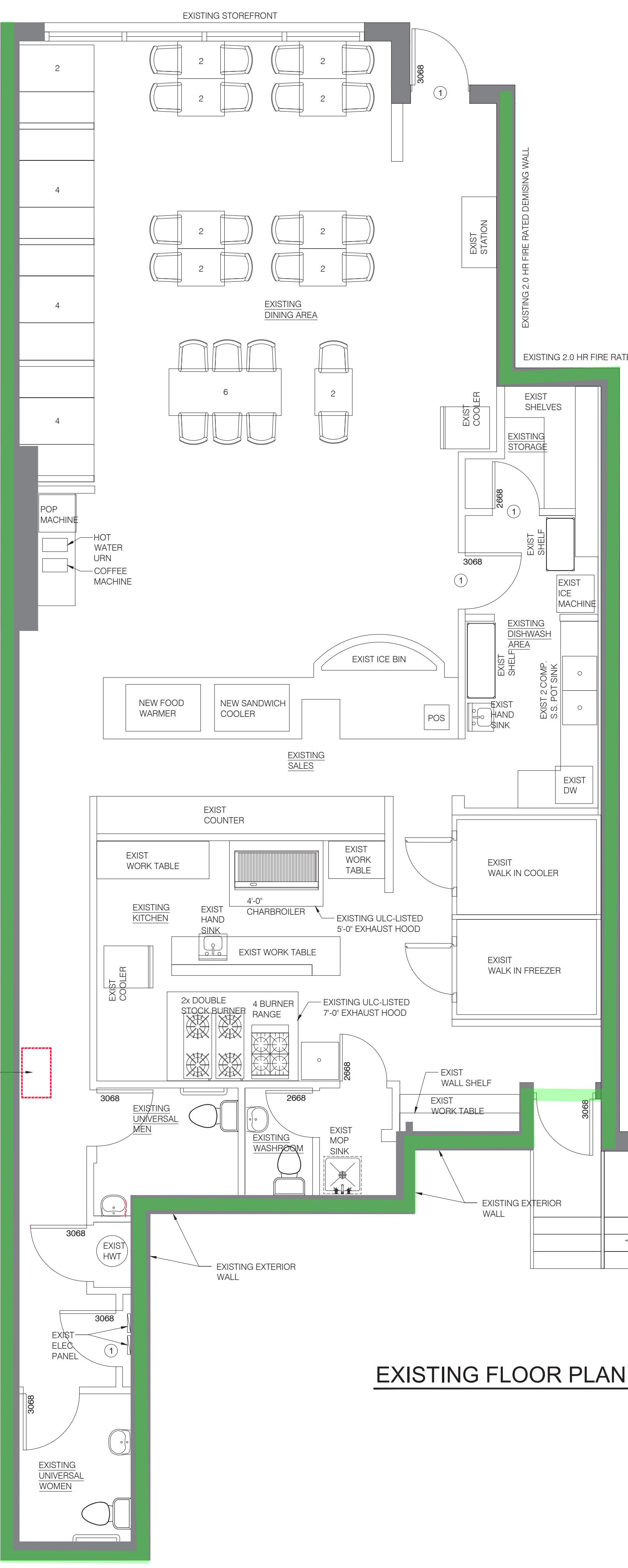
PROJECT :
GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

TITLE :
EXISTING AND DEMOLISH
FLOOR PLANS

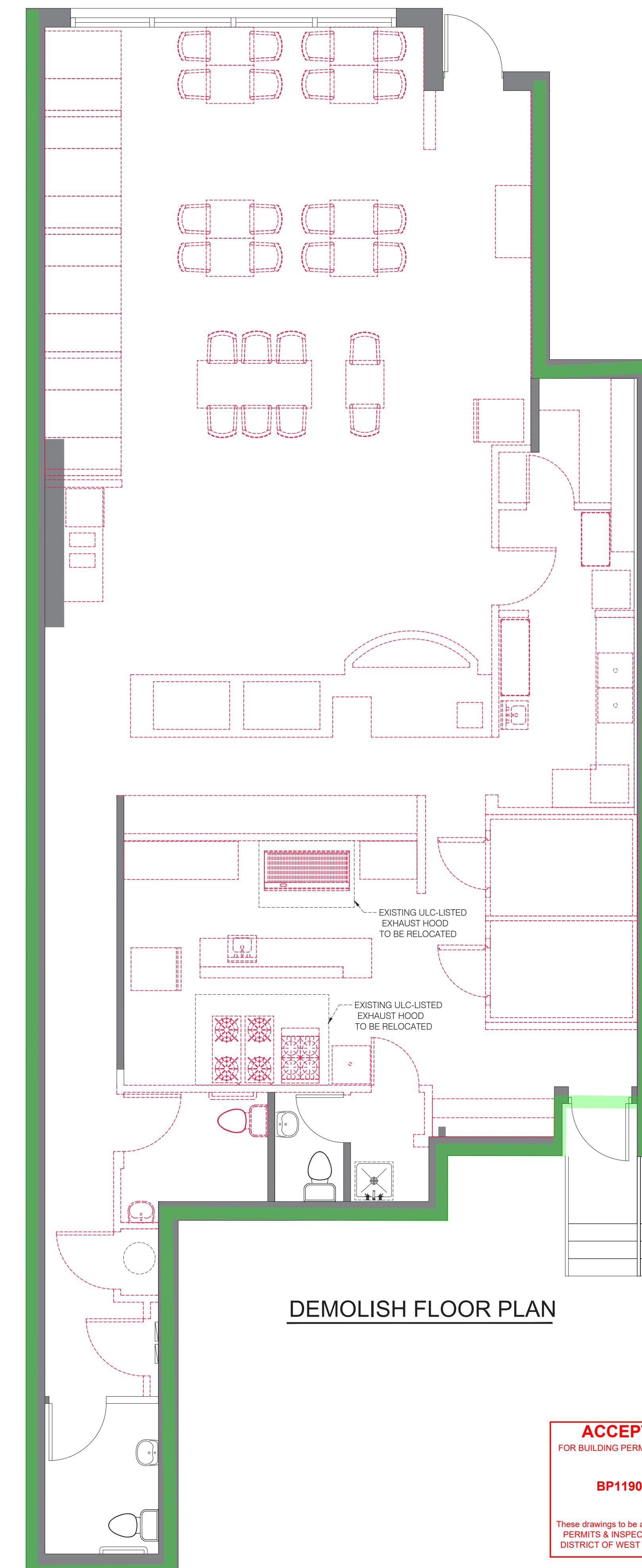
DATE FEBRUARY, 2024
DRAWN CHECKED K. MEMARY MT
SCALE 1/4" = 1'-0"
REVISION

DRAWING NO. A-03



LEGEND:

- EXISTING WALLS TO REMAIN
- EXISTING WALLS, DOORS, EQUIPMENT AND FURNITURE TO BE REMOVED



COPY RIGHT RESERVED.

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.



TRINCA ARCHITECTURE INC

 1645 West 5th Ave
 Vancouver BC V6J 1N5
 604.737.4766
 info@trincaarchitecture.com


2024-04-26

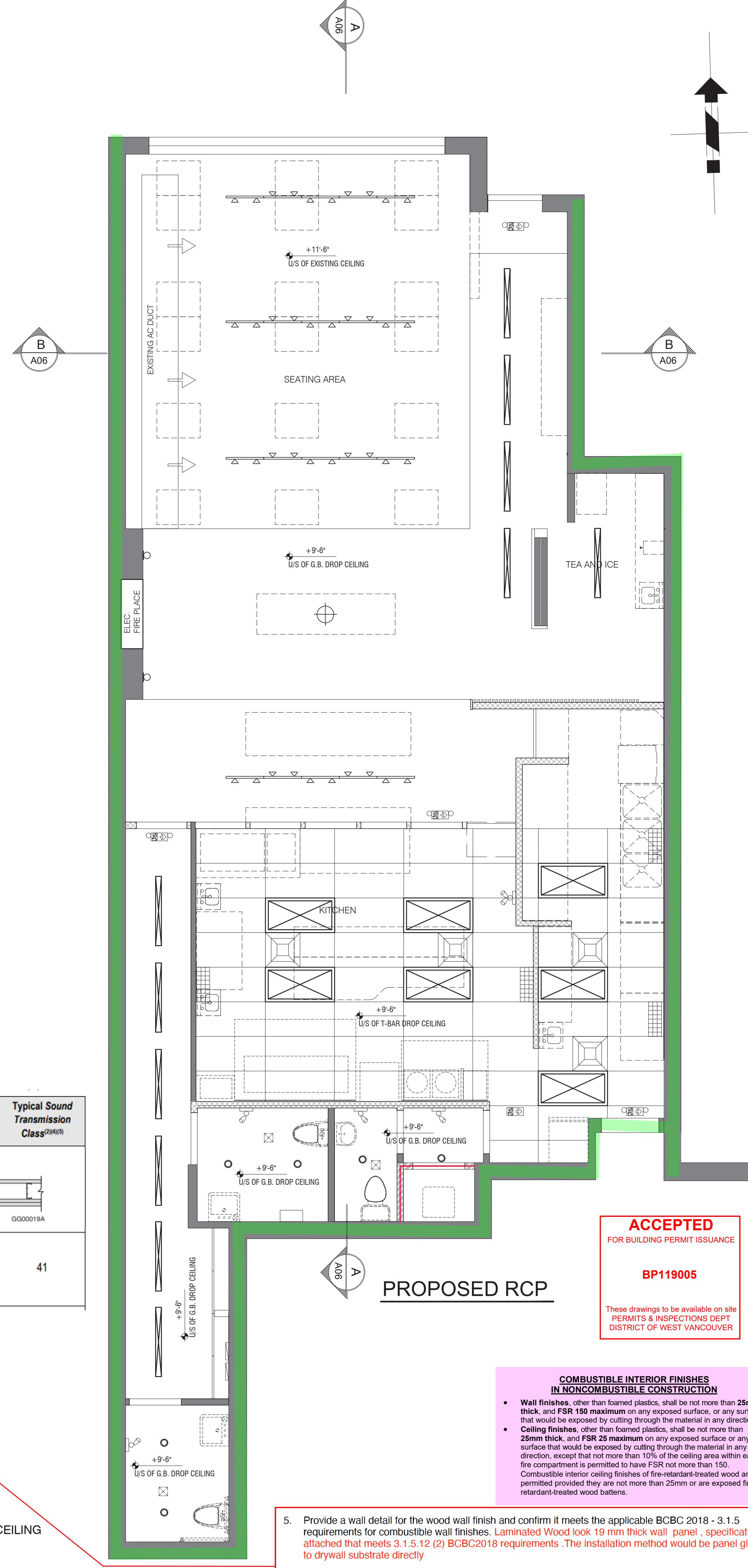
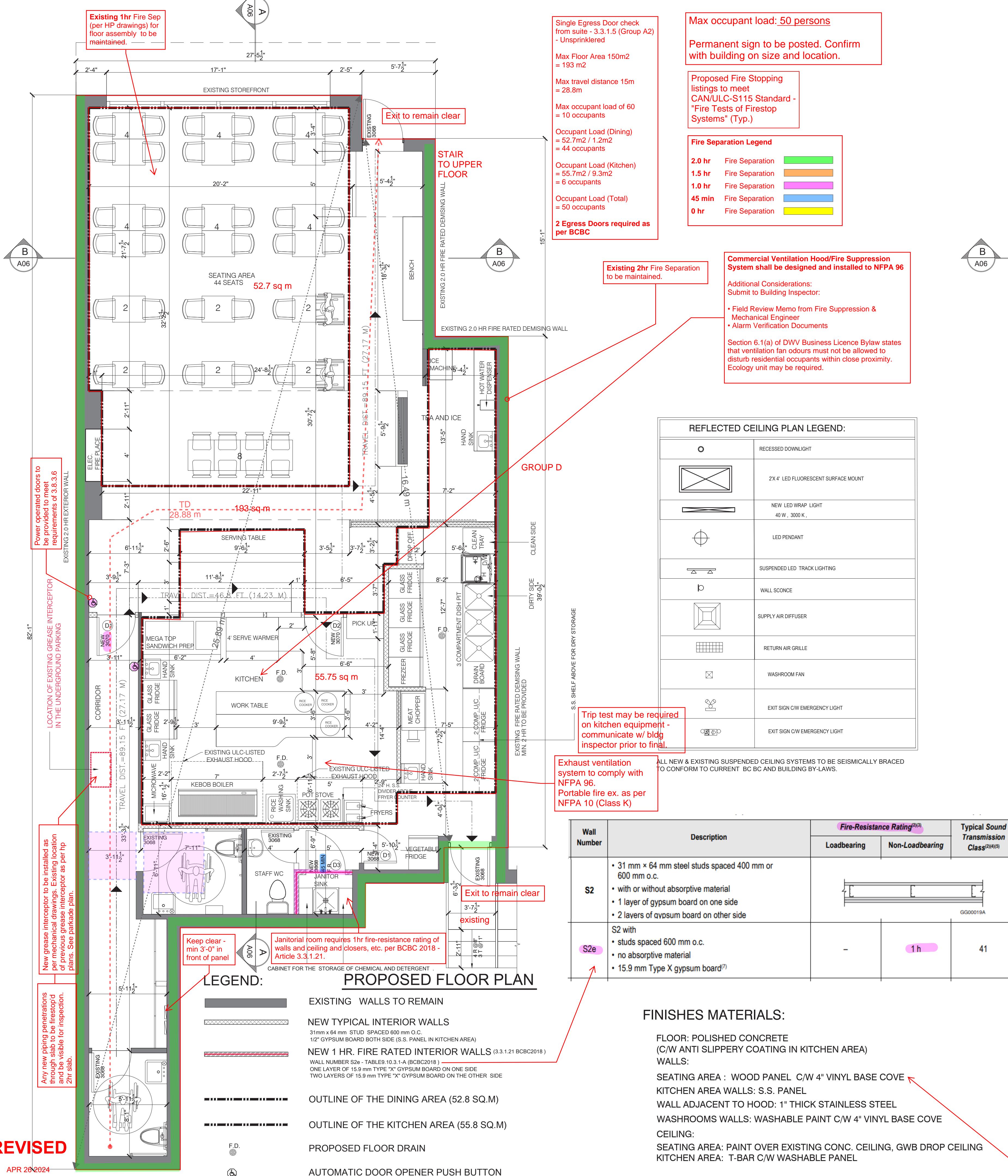
 PROJECT :
 GRAB AND GO PLUS
 RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

 TITLE :
 PROPOSED FLOOR PLAN
 PROPOSED RCP

 DATE FEBRUARY, 2024
 DRAWN K. MEMARY
 CHECKED MT
 SCALE 1/4" = 1'-0"
 REVISION APRIL. 25, 2024

DRAWING NO. A-05



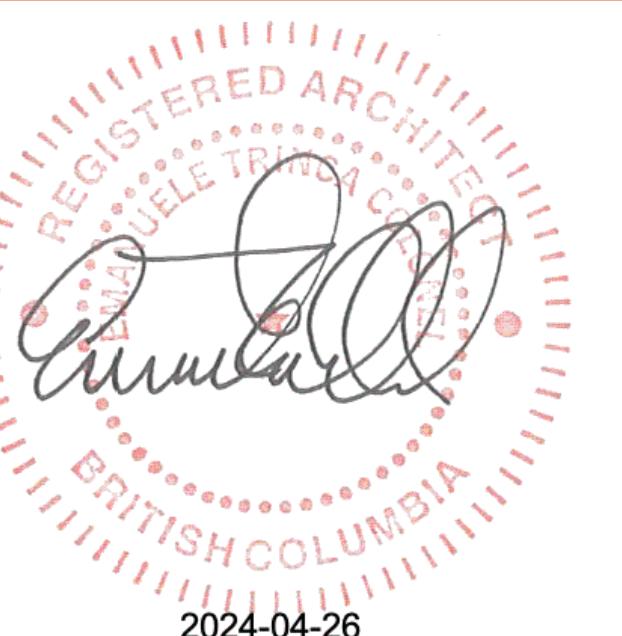
COPYRIGHT RESERVED.

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.



TRINCA ARCHITECTURE INC

1645 West 5th Ave
Vancouver BC V6J 1N5
604.737.4766
info@trincaarchitecture.com



2024-04-26

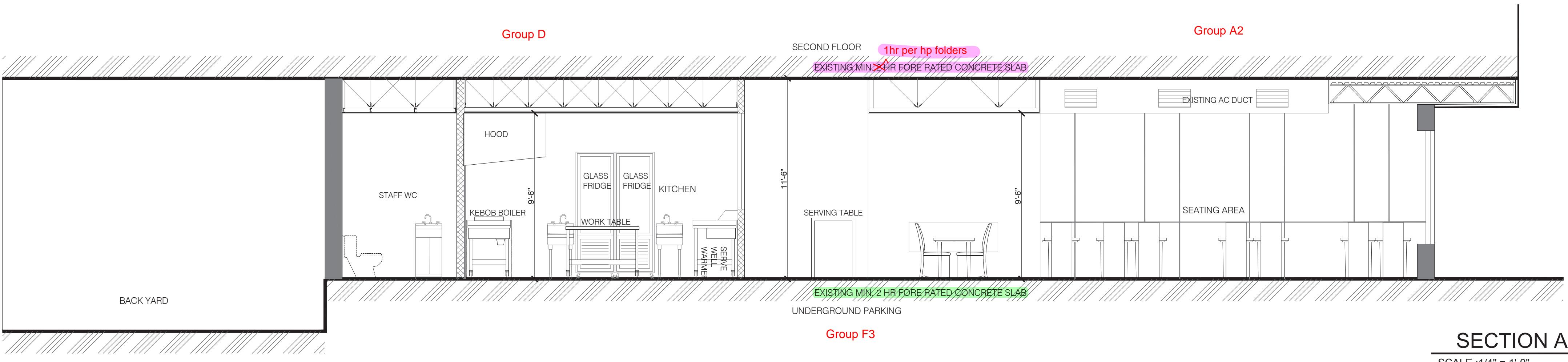
PROJECT :
GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

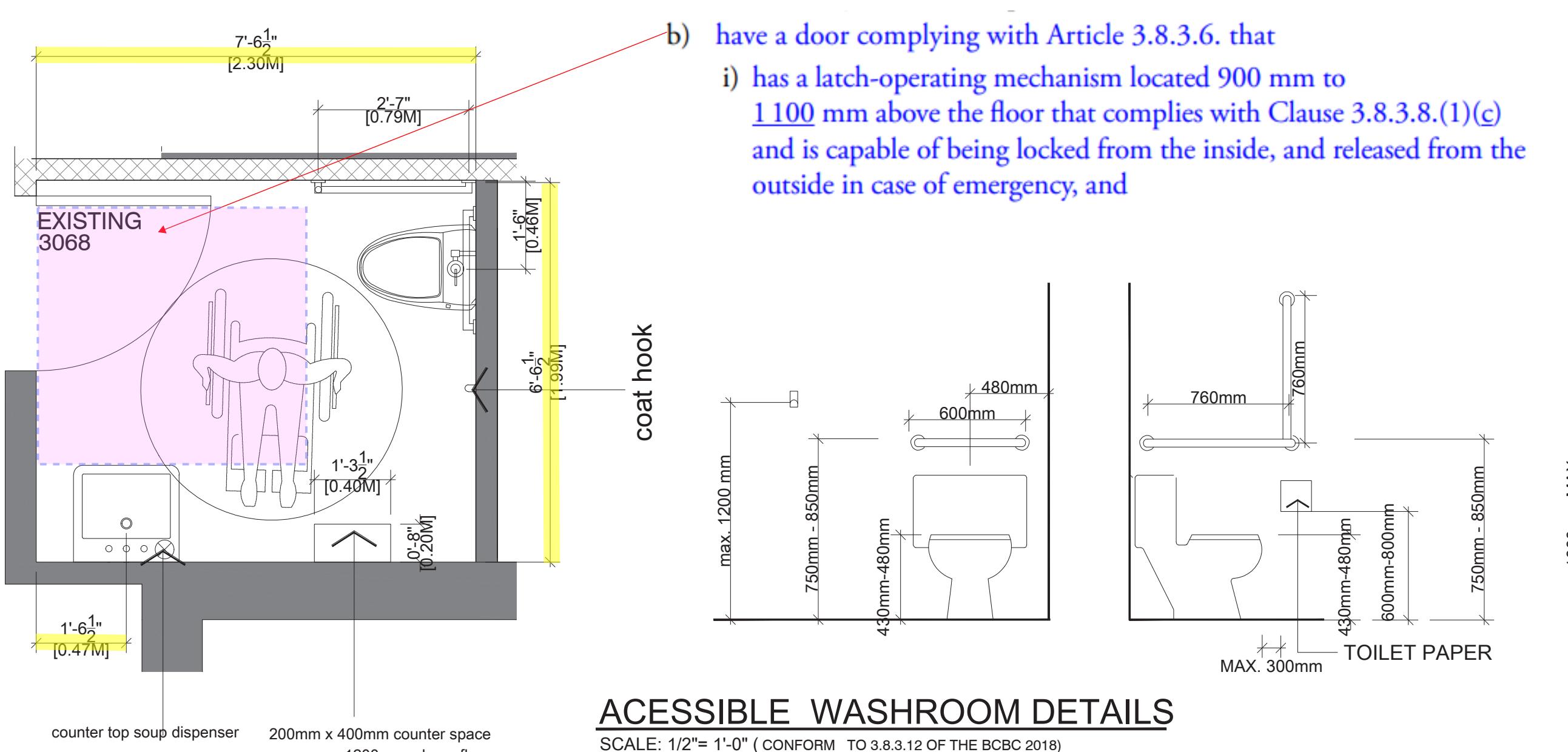
TITLE :
SECTIONS AND DETAILS

DATE FEBRUARY, 2024
DRAWN K. MEMARY
CHECKED MT
SCALE AS SHOWN
REVISION APRIL, 25, 2024

DRAWING NO. A-06

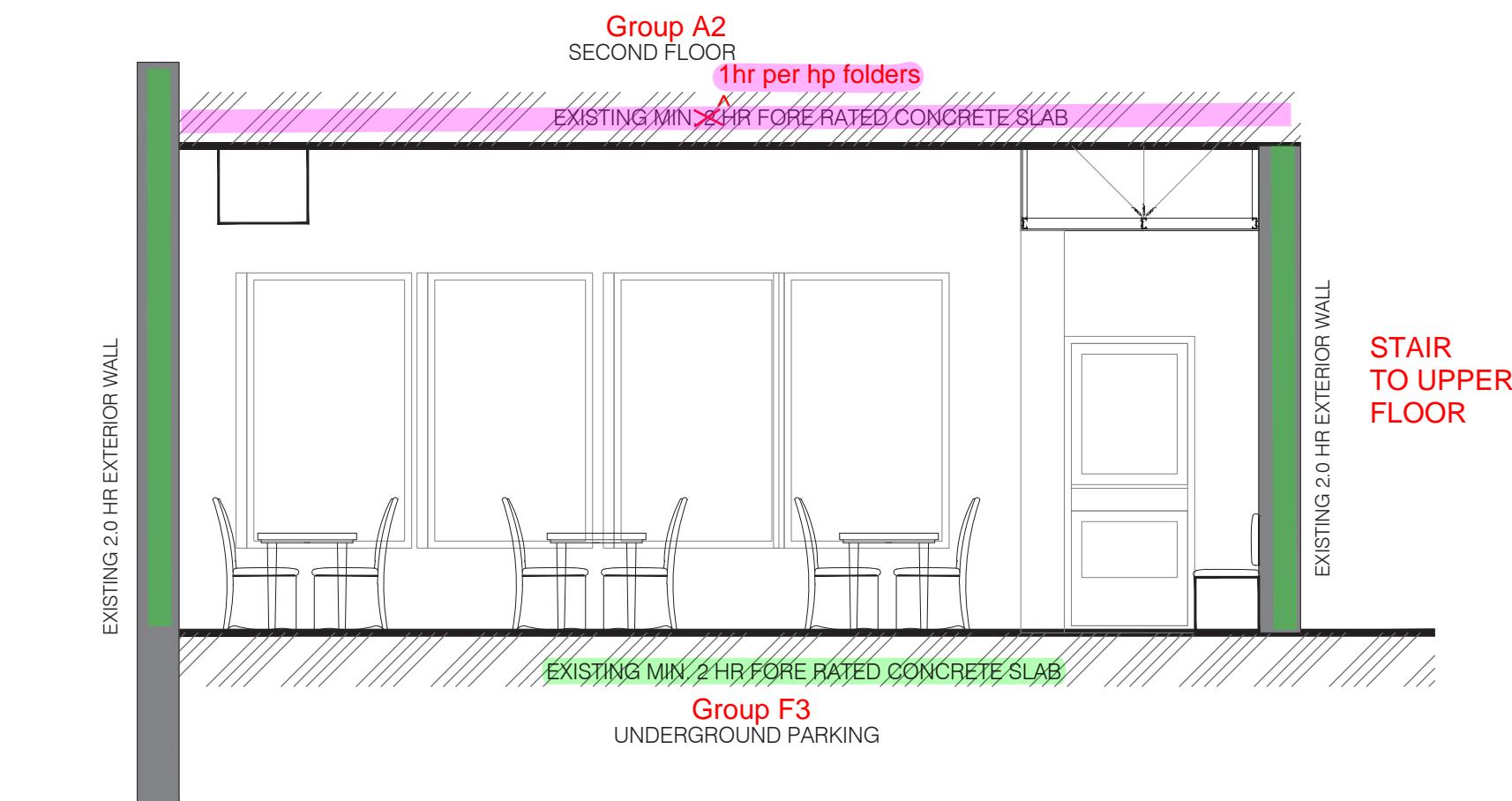
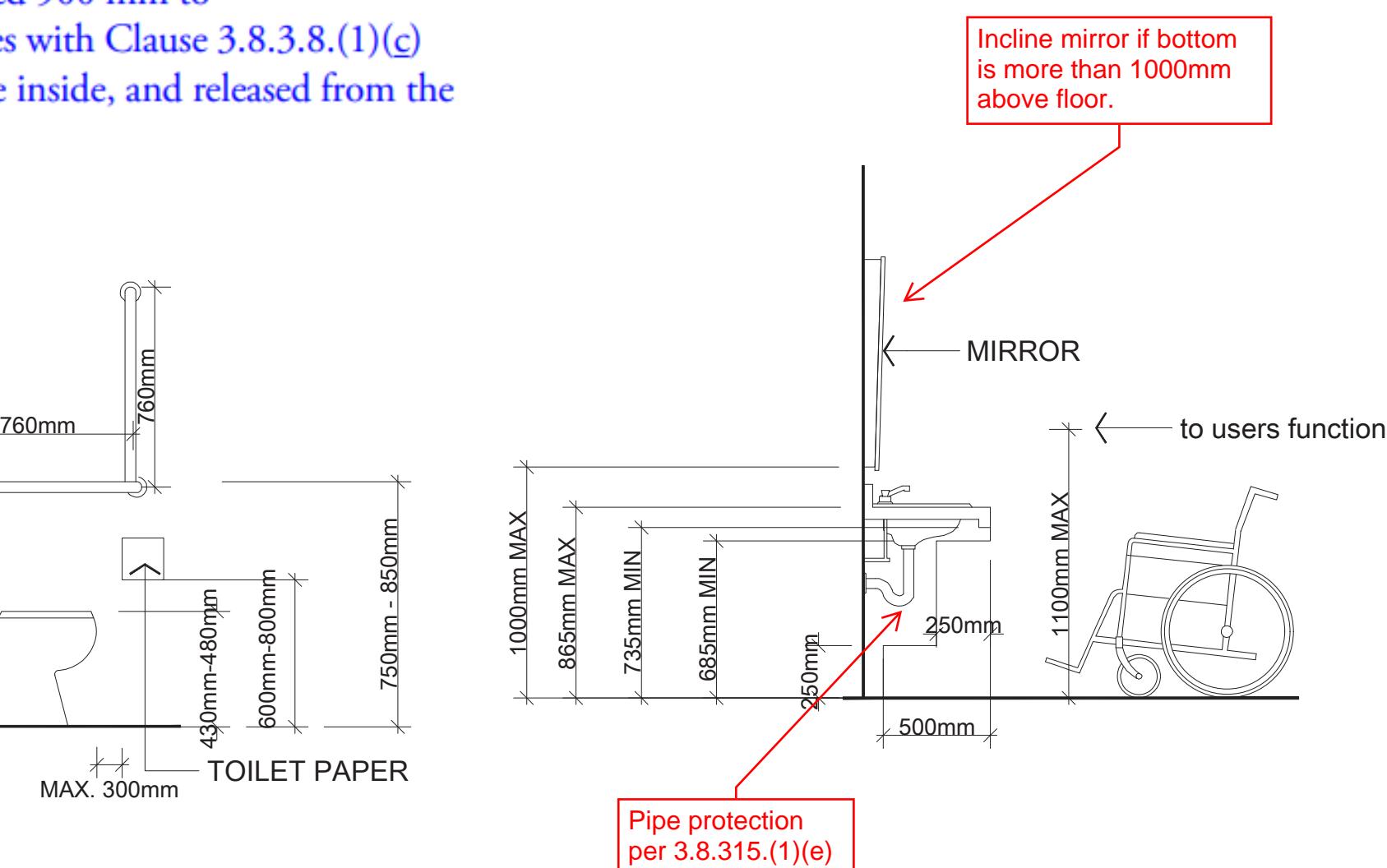


SECTION A
SCALE: 1/4" = 1'-0"



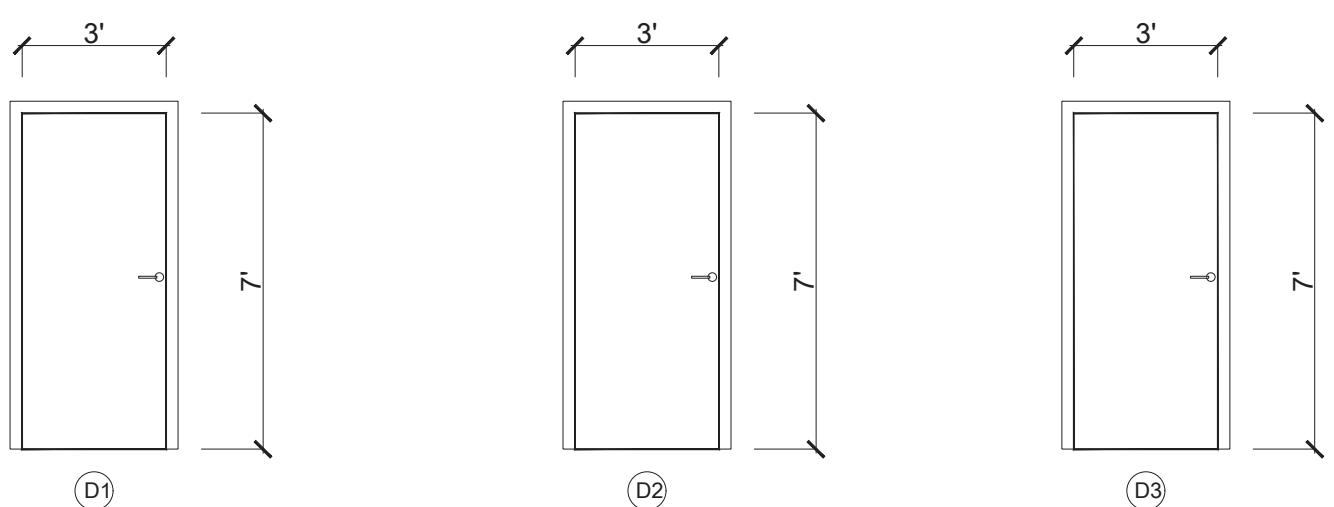
ACCESSION WASHROOM DETAILS

SCALE: 1/2" = 1'-0" (CONFORM TO 3.8.3.12 OF THE BCBC 2018)



SECTION B
SCALE: 1/4" = 1'-0"

NEW DOORS

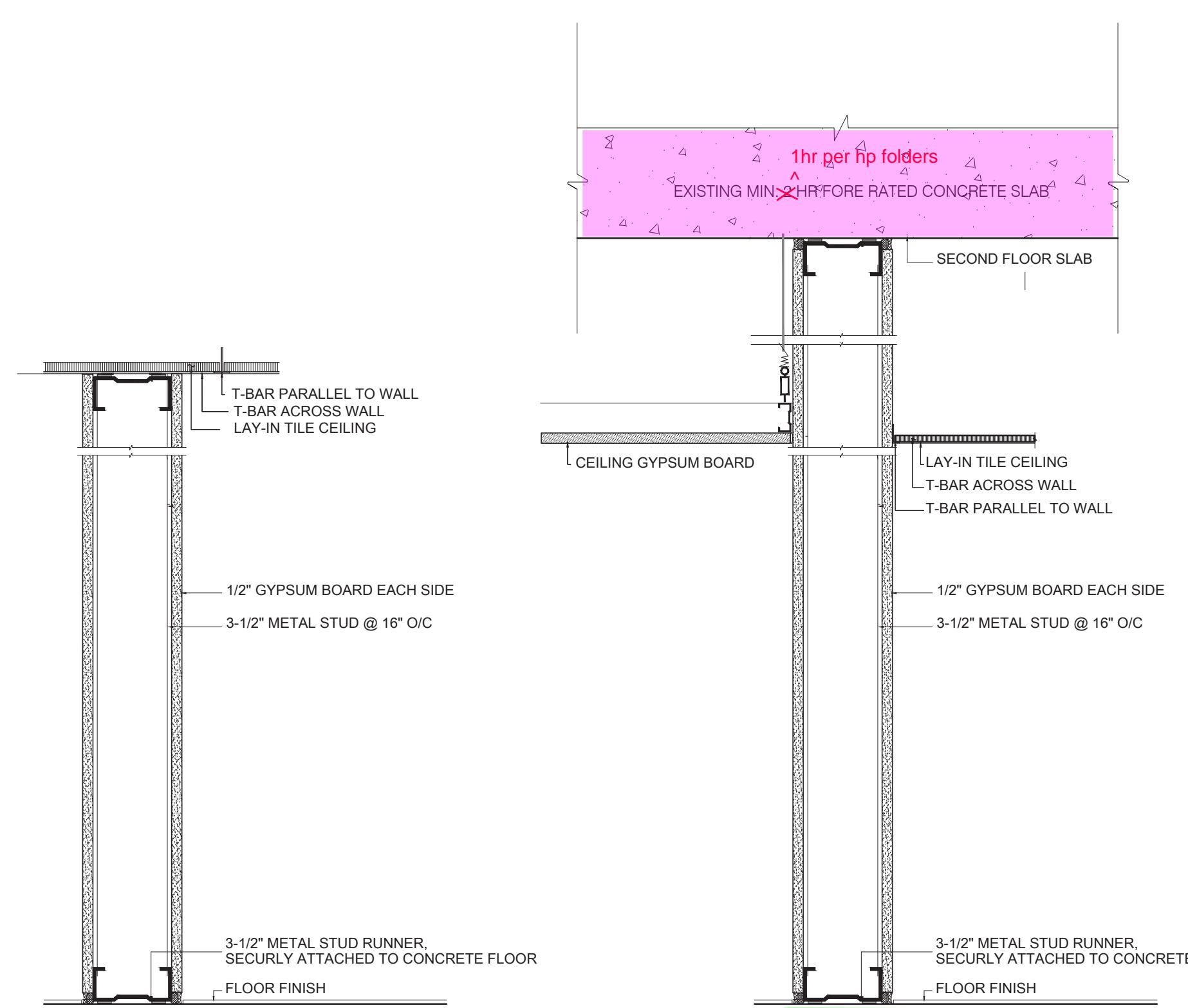
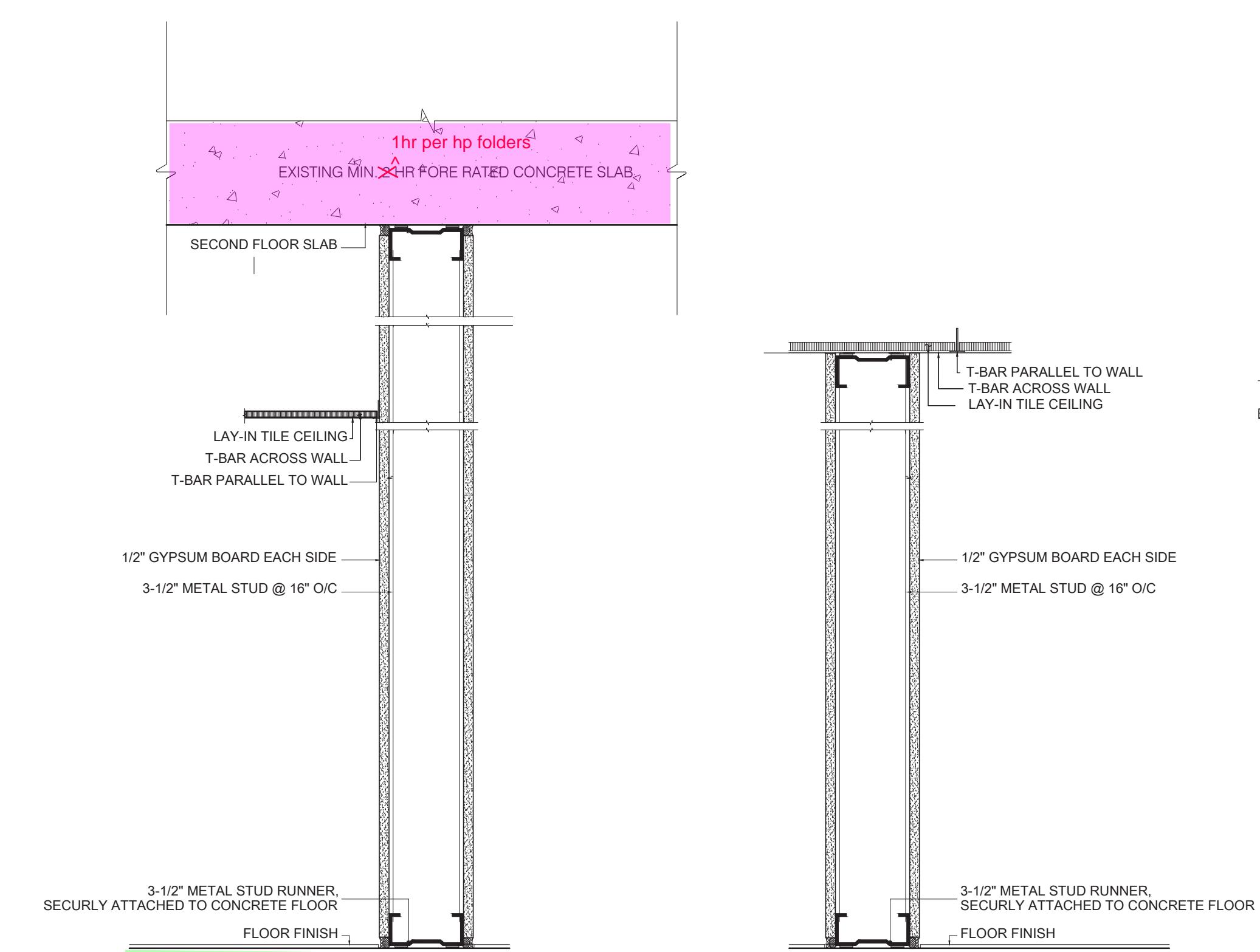


SOLID CORE WOOD
PASSAGE LEAVER

NEW SOLID CORE WOOD
(LATCH-LESS CW SPRING HINGE)
DUMMY LEAVER

45 MIN. FIRE RATED
METAL DOOR
PASSAGE LEAVER

must be equipped with
self-closing device.



TYPICAL NEW WALL BETWEEN KITCHEN
AND WASHROOMS / CORRIDOR

ACCEPTED
FOR BUILDING PERMIT ISSUANCE
BP119005

These drawings to be available on site
PERMITS & INSPECTIONS DEPT
DISTRICT OF WEST VANCOUVER

REVISED

APR 26 2024

District of West Vancouver
Permits Dept.



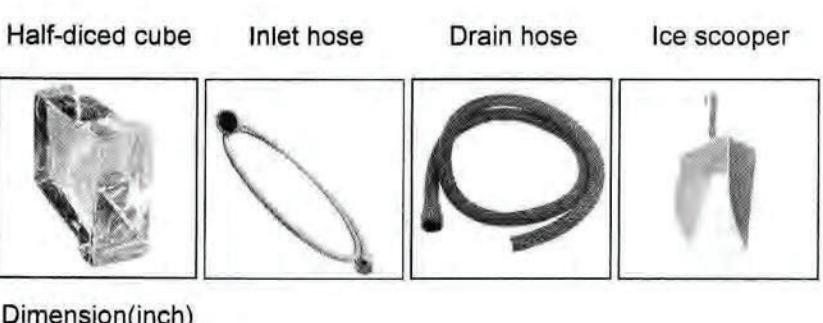
"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

280 lb. Ice Machine

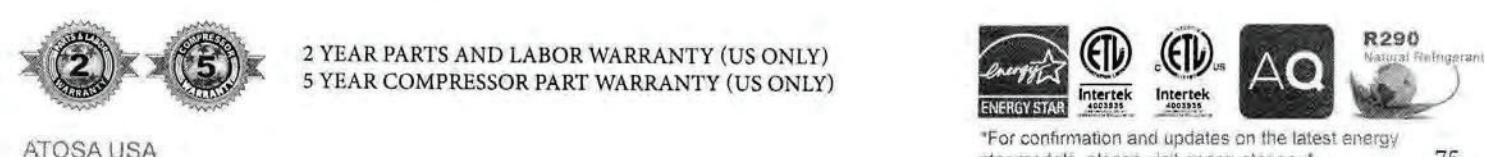
Standard Features

- Up to 283 lb. production ice machine (per 24 hrs)
- Built-in storage capacity of 88 lbs. (under counters)
- Durable stainless steel exterior
- Slanted black plastic bin door
- Ice scoop included
- Height includes leg levelers
- Air cooled condenser
- Removable air filter
- Power switch accessible without panel removal
- For freestanding or built-in applications
- Requires use of a drain
- ETL Listed and ETL Sanitation Listed

Water filter recommended -
maintenance and cleaning are not
covered under warranty



1. Don't forget to leave the unit some room to breathe!
2. Please clean the condenser frequently to give the unit more fresh air.



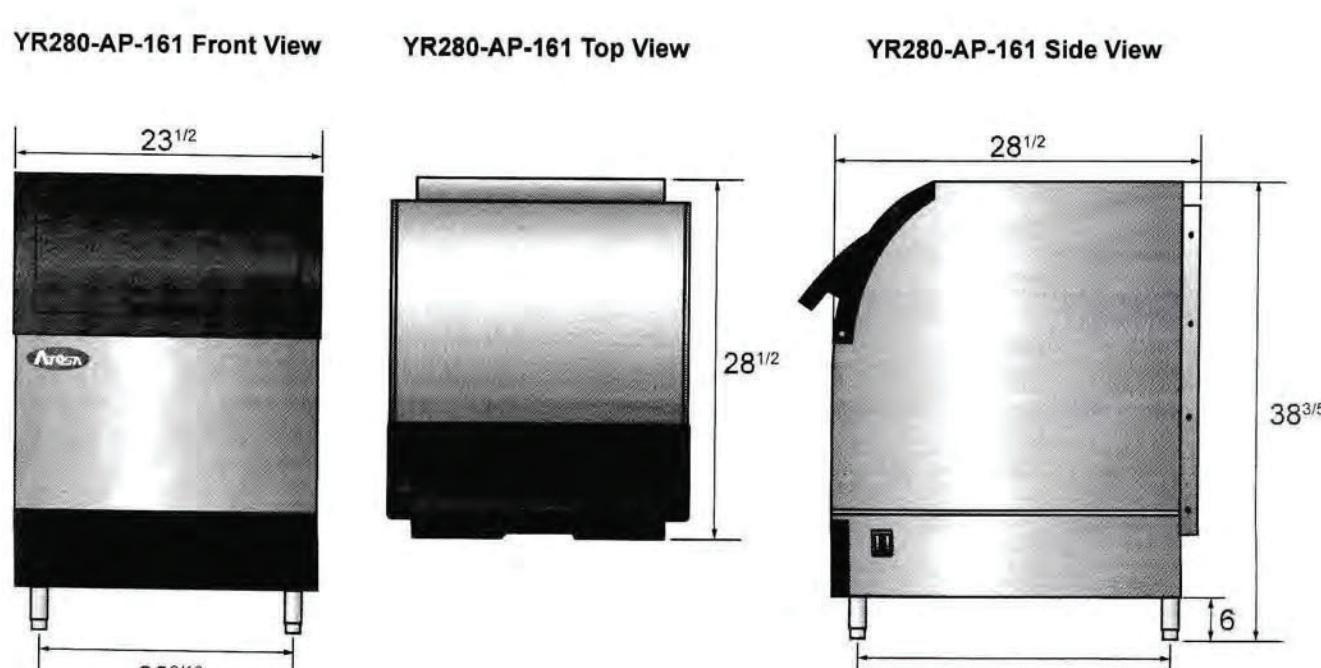
Atosa USA 75

"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

SPECIFICATIONS

Model	Type	Refrigerant	Voltage (V/Hz/Ph)	Amps(A)	Watts(W)	kWh/100 lbs Ice	Ice-Making Capacity (lbs/hr)	Leg (inch)	Exterior Dimensions (inch)	Gross Weight (lbs)
YR280-AP-161	Cube ice	R290	115/60/1	7.2	704	5.97	283/24	6	23 ^{1/2} x 28 ^{1/2} x 38 ^{3/5}	187

PLAN VIEW



Ice machine comparison

Models	Type	Refrigerant	Voltage (V/Hz/Ph)	Amps(A)	Watts(W)	kWh/100 lbs Ice	Ice-Making Capacity (lbs/hr)	Leg (inch)	Exterior Dimensions (inch)	Gross Weight (lbs)
YR140-AP-161	Cube ice	R290	115/60/1	3.1	363	6.13	142/24	6	23 ^{1/2} x 28 ^{1/2} x 38 ^{3/5}	176
YR450-AP-161	Cube ice	R290	115/60/1	9.6	965	5.04	460/24	6	30 ^{1/2} x 24 ^{1/2} x 21 ^{1/2}	158
YR800-AP-261	Cube ice	R-404a	220/60/1	7.5	1750	5.18	810/24	6	30 ^{1/2} x 24 ^{1/2} x 31 ^{1/2}	231

Atosa International | Atosa USA
www.atosa.com | www.atosausa.com

Atosa is continuously improving products. Specifications are subject to change without notice.

RECEIVED

FEB 29 2024

District of West Vancouver
Permits Dept.



"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
New Jersey, Ohio, Texas, Washington

Mega Top Sandwich Prep Tables

Standard Features

- Stainless steel exterior & interior
- Rear mount compressor with environmentally friendly R290 refrigerant
- Dixell digital controller
- Maintains temperatures between 33°F - 40°F
- Pre-installed 4" deep stainless steel pans
- 10" cutting board
- Recessed door handle(s)
- Self-closing door(s) with stay open feature
- Magnetic door gasket(s) standard for positive door seal
- One(1) pre-installed shelf per section
- Pre-installed casters

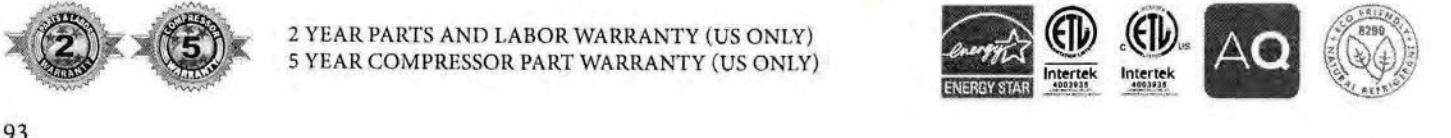
Optional Accessories

- Double overshelf for 48", 60" and 72" models



For the best results of food preservation we recommend setting your refrigerator between 33 °F to 38 °F

1. Don't forget to leave the unit some room to breathe!
2. Please clean the condenser frequently to give the unit more fresh air.



93 1/20



"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
New Jersey, Ohio, Texas, Washington

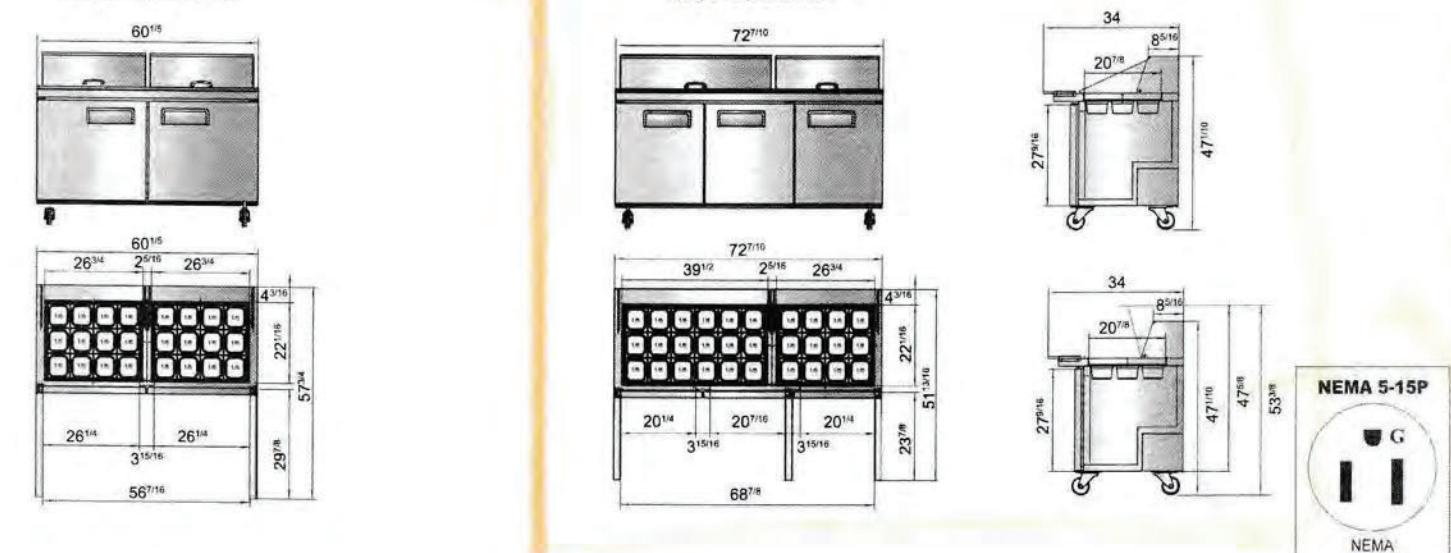
SPECIFICATIONS

Models	Door	Capacity (Cu.Ft.)	Shelves	Casters (inch)	Amps (A)	Voltage (V/Hz/Ph)	HP	Refrigerant	Exterior Dimensions (inch)	Net Weight (lbs)	Gross Weight (lbs)
MSF8305GR	1	7.2	1	5	2.3	115/60/1	1/7	R290	27 ^{1/2} x 34 x 47 ^{1/2}	170	212
MSF3615GR	2	8.7	2	5	2.3	115/60/1	1/7	R290	36 ^{5/8} x 34 x 47 ^{1/2}	174	240
MSF8306GR	2	13.4	2	5	2.3	115/60/1	1/7	R290	48 ^{5/8} x 34 x 47 ^{1/2}	243	293
MSF8307GR	2	17.2	2	5	2.8	115/60/1	1/5	R290	60 ^{5/8} x 34 x 47 ^{1/2}	284	340
MSF8308GR	3	21.1	3	5	2.8	115/60/1	1/5	R290	72 ^{5/8} x 34 x 47 ^{1/2}	331	401

PLAN VIEW



MSF8307GR



Atosa is continuously improving products. Specifications are subject to change without notice.



DIGITAL HOT WATER DISPENSER

MODEL: WB5GT

ITEM NO _____

PROJECT _____

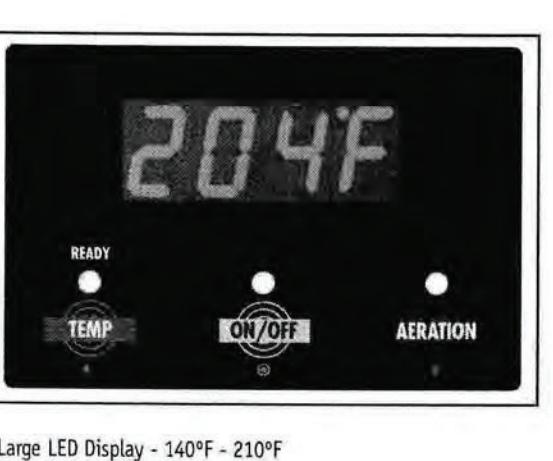
DATE _____

FEATURES AT A GLANCE

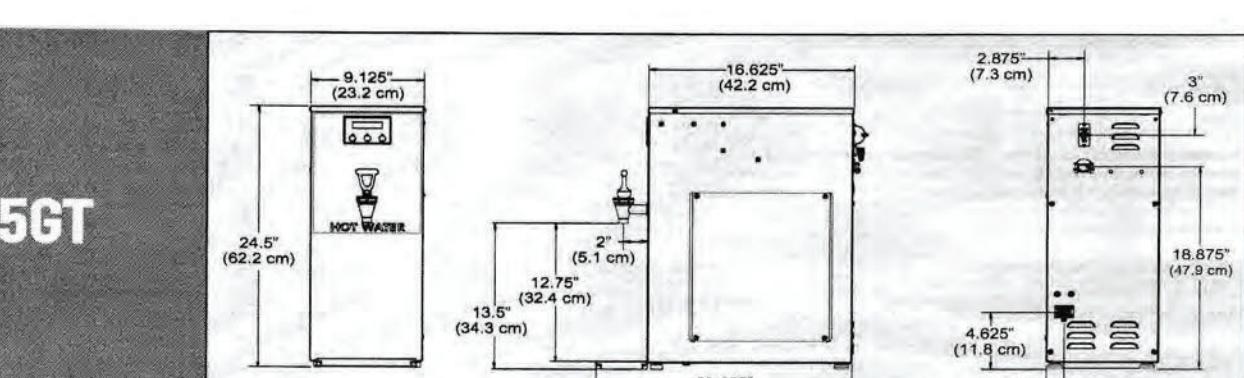
- G3 Digital Control Module - Provides precise control of temperature and aeration.
- Agitation Pump - Continuous or on demand aeration improves tea extraction and food flavor.
- Large LED Display - Easy to read, displays constant water dispense temperature.
- Easy-to-Operate - Simple graphic design with color coded buttons for all operating functions and ready lights.
- Automatic Refill System
- Thermostatic Controls - Programmable temperature range of 140°F to 210°F.
- On Board Diagnostics - Continually senses water level & temperature for proper operation.
- Common Parts and Side Access - Creates an easy to service unit.
- Standard 120/220VAC Dual Voltage Operation.

The Curtis G3 Water Boiler
- Perfect for tea, soup,
freeze-dried products,
cleaning jobs and more!

With the latest in digital technology, these water boilers offer precise control over all critical functions. Curtis' digital Water Boilers deliver large volumes of piping hot water right at the preparation site. They are constructed of heavy gauge stainless steel and feature thermostatic controls and solid-state automatic refill systems.



Large LED Display - 140°F - 210°F



WB-5GT	Specifications	Tank Capacity	Volume	Voltage	Power Requirements	Cord & Plug	Water Inlet	Dimensions (HxWxD)	Shipping Weight	Cube
WB5GT	5 Gallons	120VAC-4.6 gal/hr 220VAC-15.5 gal/hr	120/220VAC 60Hz 2W/3W-60°	1500W/12.5A 5000W/22.7A	6 ft. NEMA 5-15P 120V 15A	1/4" Flan	24.5" x 9.125" x 16.625"	39 lbs.	5.7	

*Optional 200VAC/3Phase - Specify 3 Wire or 4 Wire Plus Ground.

ACCESSORY ITEMS

CSC10	CSC15	CSCOOH
Specifications	Application/Description	
CSC10A with Head	Chlorine & Sediment Removal, Scale Prevention/ICS	10,000 3.65 10 35-125psi 3/8" FNPT 17 1.23
CSC10C Dosing Refill	Chlorine & Sediment Removal, Scale Prevention/ICS	10,000 1.65 10 35-125psi 3/8" FNPT 15 1.03
CSC10A with Head	Chlorine & Sediment Removal, Scale Prevention/ICS	15,000 2.0 10 35-125psi 3/8" FNPT 23 1.69
CSC10C Cartridge Only	Chlorine & Sediment Removal, Scale Prevention/ICS	15,000 2.0 10 35-125psi 3/8" FNPT 21 1.69

*Rated Life is for Chlorine Removal. To ensure proper control of scale, filters should be replaced every 6 months.

** Shipping Weight and Cube are per cases of 6.

CSC10 - Water Filter

CSC15 - Water Filter

Curtis
WILBUR CURTIS COMPANY, INC.
6913 Acco Street, Montebello, CA 90640-5403
Telephone: 800-421-6150 • 323-837-2300
Fax: 323-837-2406
www.wilburcurtis.com

Printed In U.S.A. - DEC/07 - 15047 F-3561 rev. C

© 2007 Wilbur Curtis Company, Inc.

These drawings to be available on site
PERMITS & INSPECTIONS DEPT
DISTRICT OF WEST VANCOUVER

ACCEPTED
FOR BUILDING PERMIT ISSUANCE

BP119005

MAN
SOURI

PEOPLE BUILD DESIGN

COPYRIGHT RESERVED



PROJECT :

GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

TITLE :



"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

Bottom Mount Reach-In Freezers

Standard Features

- Bottom mount compressor units with environmentally friendly R290 refrigerant
- Stainless steel exterior & interior
- Left hand hinge model available (MBF8501GRL)
- Dixell digital controller
- Maintains temperatures between -8°F - 0°F
- LED interior light(s)
- Recessed door handle(s)
- Door lock(s) standard
- Magnetic door gasket(s) standard for positive door seal
- Pre-installed casters
- Three(3) pre-installed shelves per section
- Down duct refrigeration to ensure even distribution of air

Optional Accessories

- Extra shelves - includes 4 shelf clips per shelf
- MBF8501GR(L) shelf part #: W0402393
- MBF8503GR shelf part #: W0402387
- MBF8504GR left and right shelf part #: W0402387
- MBF8504GR middle shelf part #: W0402388



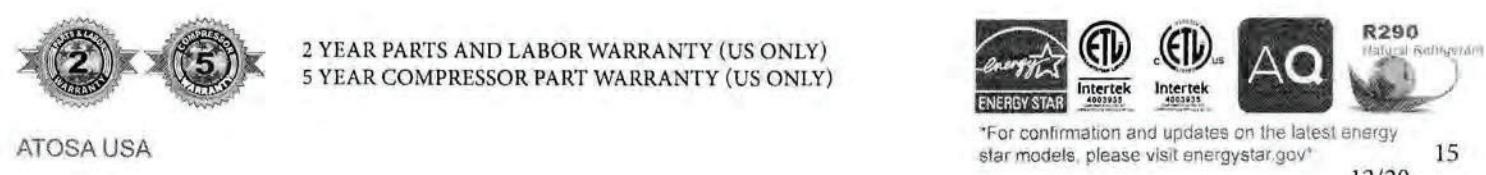
For the best results of food preservation we recommend setting your freezer between -8°F to 0°F

- Don't forget to leave the unit some room to breathe!
- Please clean the condenser frequently to give the unit more fresh air.

2 YEAR PARTS AND LABOR WARRANTY (US ONLY)
5 YEAR COMPRESSOR PART WARRANTY (US ONLY)

MODELS:

MBF8501GR / MBF8501GRL
MBF8503GR / MBF8504GR



ENERGY STAR

*For confirmation and updates on the latest energy star models, please visit energystar.gov

15

ATOSA USA

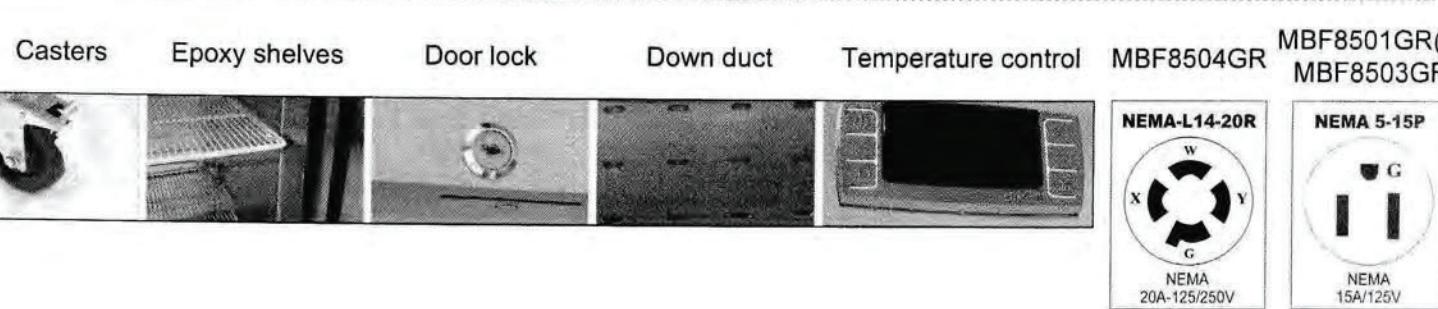
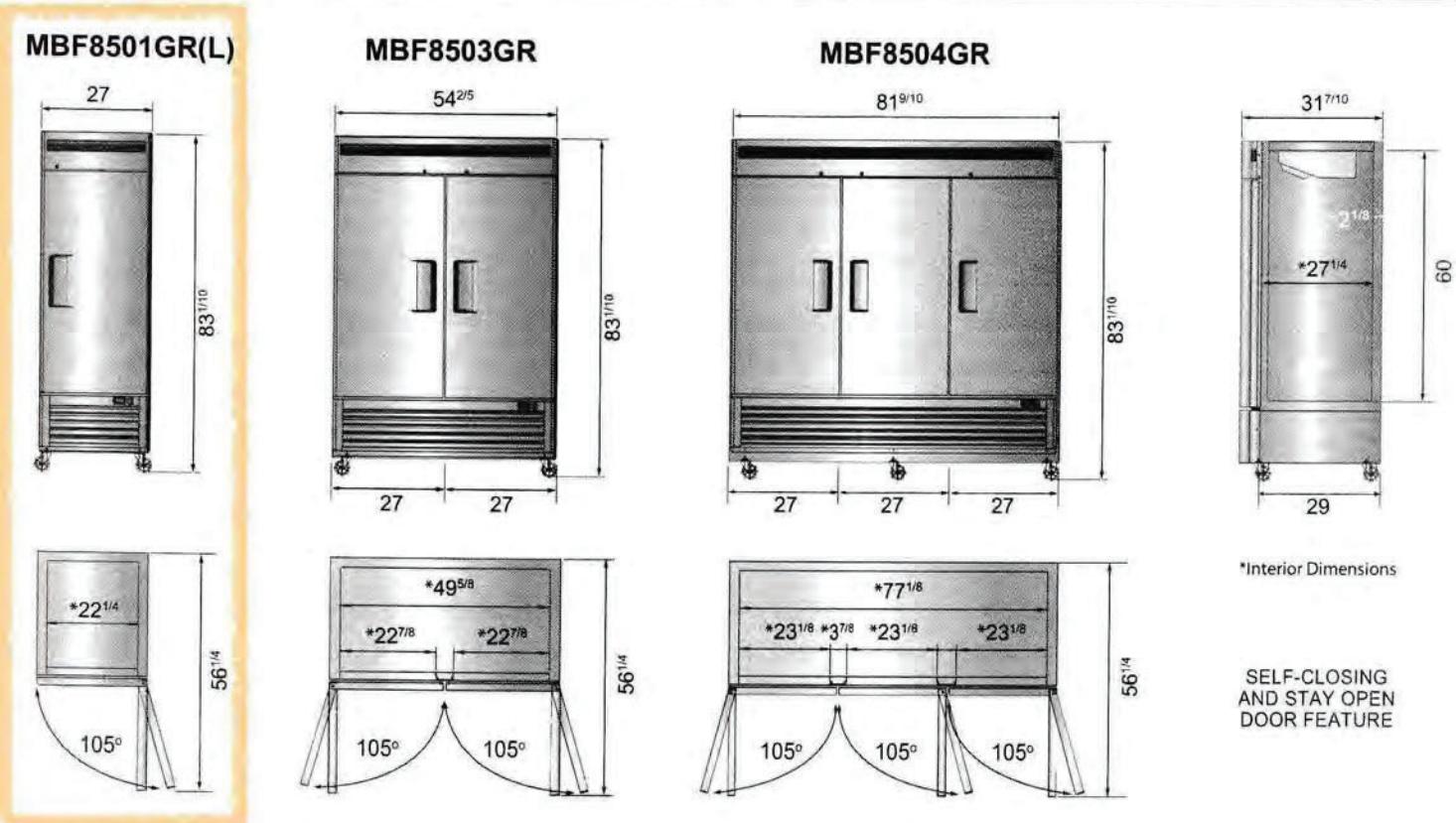


"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

SPECIFICATIONS

Models	Door	Capacity (Cu.Ft.)	Shelves	Casters (inch)	Amps (A)	Voltage (V/Hz/Ph)	HP	Refrigerant	Exterior dimensions	Net weight (lbs)	Gross weight (lbs)
MBF8501GR(L)	1	19.1	3	4	6.3	115/60/1	1/2	R290	27 ^{11/16} x 31 ^{11/16} x 83 ^{11/16}	265	298
MBF8503GR	2	44.8	6	4	8.6	115/60/1	3/4	R290	54 ^{13/16} x 31 ^{11/16} x 83 ^{11/16}	410	465
MBF8504GR	3	68	9	4	6.2	208-30/115/60/1	1	R290	81 ^{11/16} x 31 ^{11/16} x 83 ^{11/16}	551	628

PLAN VIEW



RECEIVED

FEB 29 2024 Atosa International | Atosa USA
www.atosa.com | www.atosausa.com

*Atosa is continuously improving products. Specifications are subject to change without notice.

16



"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
New Jersey, Ohio, Texas, Washington

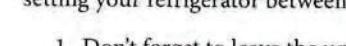
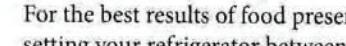
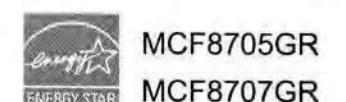
Glass Door Reach-In Refrigerators

Standard Features

- Stainless steel exterior & interior
- LED interior lights
- Heavy duty Embraco compressor with environmentally friendly R290 refrigerant
- Dixell digital controller
- Maintains temperatures between 33°F - 38°F
- Self-closing door(s) with automatic stay open feature
- Recessed door handle(s)
- Magnetic door gasket
- Double pane glass door
- Pre-installed casters
- NEMA-5-15P plug standard
- Four(4) pre-installed shelves per section
- Door locks standard on MCF8705GR and MCF8707GR (not available on sliding glass door model MCF8709GR)

Optional Accessories

- Extra shelves - includes 4 shelf clips per shelf



For the best results of food preservation we recommend setting your refrigerator between 33°F to 38°F

- Don't forget to leave the unit some room to breathe!
- Please clean the condenser frequently to give the unit more fresh air.

2 YEAR PARTS AND LABOR WARRANTY (US ONLY)
5 YEAR COMPRESSOR PART WARRANTY (US ONLY)

ENERGY STAR

*For confirmation and updates on the latest energy star models, please visit energystar.gov

19

MODELS:
MCF8705GR / MCF8707GR / MCF8709GR



ENERGY STAR

*For confirmation and updates on the latest energy star models, please visit energystar.gov

15



"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
New Jersey, Ohio, Texas, Washington

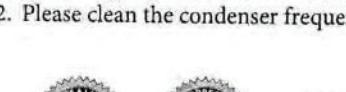
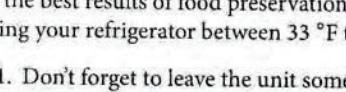
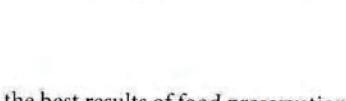
Undercounter Refrigerators

Standard Features

- Stainless steel exterior & interior with reinforced stainless steel top
- Environmentally friendly R290 refrigerant
- Left hand hinge model available (MGF8401GRL)
- Electronic temperature controller
- Maintains temperatures between 33°F - 45°F
- Recessed door handle(s)
- Self-closing door(s) with stay open feature
- Magnetic door gasket(s) standard for positive door seal
- Pre-installed casters
- One(1) pre-installed shelf per section

Optional Accessories

- Extra shelves - includes 4 shelf clips per shelf



For the best results of food preservation we recommend setting your refrigerator between 33°F to 45°F

- Don't forget to leave the unit some room to breathe!
- Please clean the condenser frequently to give the unit more fresh air.

2 YEAR PARTS AND LABOR WARRANTY (US ONLY)
5 YEAR COMPRESSOR PART WARRANTY (US ONLY)

ENERGY STAR

*For confirmation and updates on the latest energy star models, please visit energystar.gov

79

MODELS:
MGF8401GR / MGF8401GRL / MGF36RGR
MGF8402GR / MGF8403GR / MGF8404GR



For the best results of food preservation we recommend setting your refrigerator between 33°F to 45°F

- Don't forget to leave the unit some room to breathe!
- Please clean the condenser frequently to give the unit more fresh air.

ENERGY STAR

*For confirmation and updates on the latest energy star models, please visit energystar.gov

15

MAN S
OUR I

PEOPLE BUILD DESIGN

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7P 1B3
WWW.MANSOURIDESIGN.COM

COPYRIGHT RESERVED

THE COPYRIGHT TO THIS DRAWING AND ITS CONTENTS IS RESERVED, AND REMAINS AT ALL TIMES THE EXCLUSIVE PROPERTY OF MANSOURI ENTERPRISES INC., AND SHALL NOT BE USED, MODIFIED, OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.

TA

TRINCA ARCHITECTURE INC

1645 West 5th Ave
Vancouver BC V6J 1N5
604.737.4766
info@trincaarchitecture.com

REGISTERED ARCHITECTURE
PRACTICE IN BRITISH COLUMBIA

2024-02-09
PROJECT :
GRAB AND GO PLUS
RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER BC

ACCEPTED
FOR BUILDING PERMIT ISSUANCE
BP119005

DATE
DRAWN
CHECKED
SCALE
REVISION

FEBRUARY, 2024
K. MEMARY
MT
N.T.S.
A-07

RECEIVED

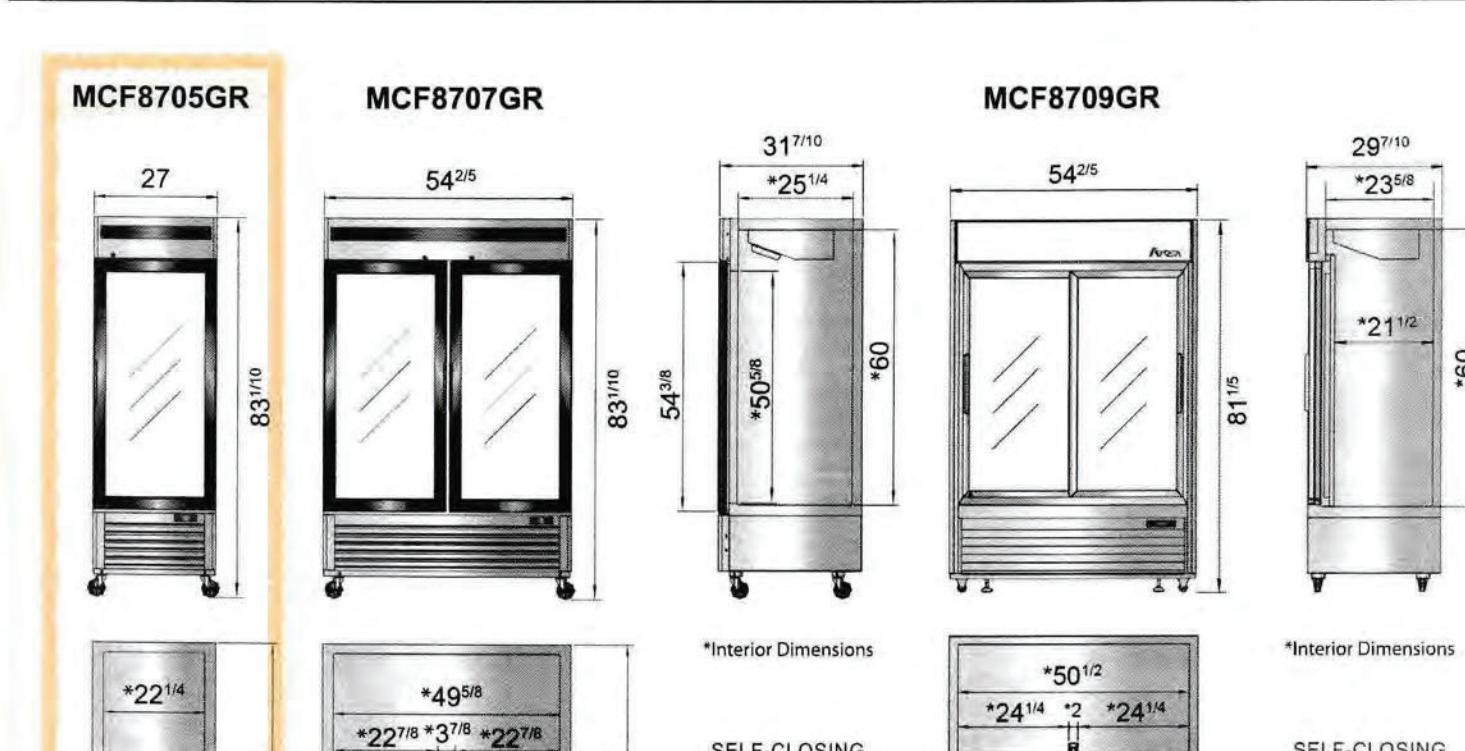
DRAWING NO.

"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-855-0399 Email: info@atosausa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
New Jersey, Ohio, Texas, Washington

SPECIFICATIONS

Models	Door	Capacity (Cu.Ft.)	Shelves	Casters (inch)	Amps (A)	Voltage (V/Hz/Ph)	HP	Refrigerant	Exterior dimensions	Net weight (lbs)	Gross weight (lbs)
MCF8705GR	1	19.1	4	4	2.1	115/60/1	1/7	R290	27 ^{11/16} x 31 ^{11/16} x 83 ^{11/16}	293	326
MCF8707GR	2	44.8	8	4	3.2	115/60/1	1/5	R290	54 ^{13/16} x 31 ^{11/16} x 83 ^{11/16}	485	540
MCF8709GR	2	44.9	8	2	4.2	115/60/1	1/4	R290	54 ^{13/16} x 29 ^{11/16} x 81 ^{11/16}	456	511

PLAN VIEW



16

Atosa International | Atosa USA
www.atosa.com | www.atosausa.com

*Atosa is continuously improving products. Specifications are subject to change without notice.

20

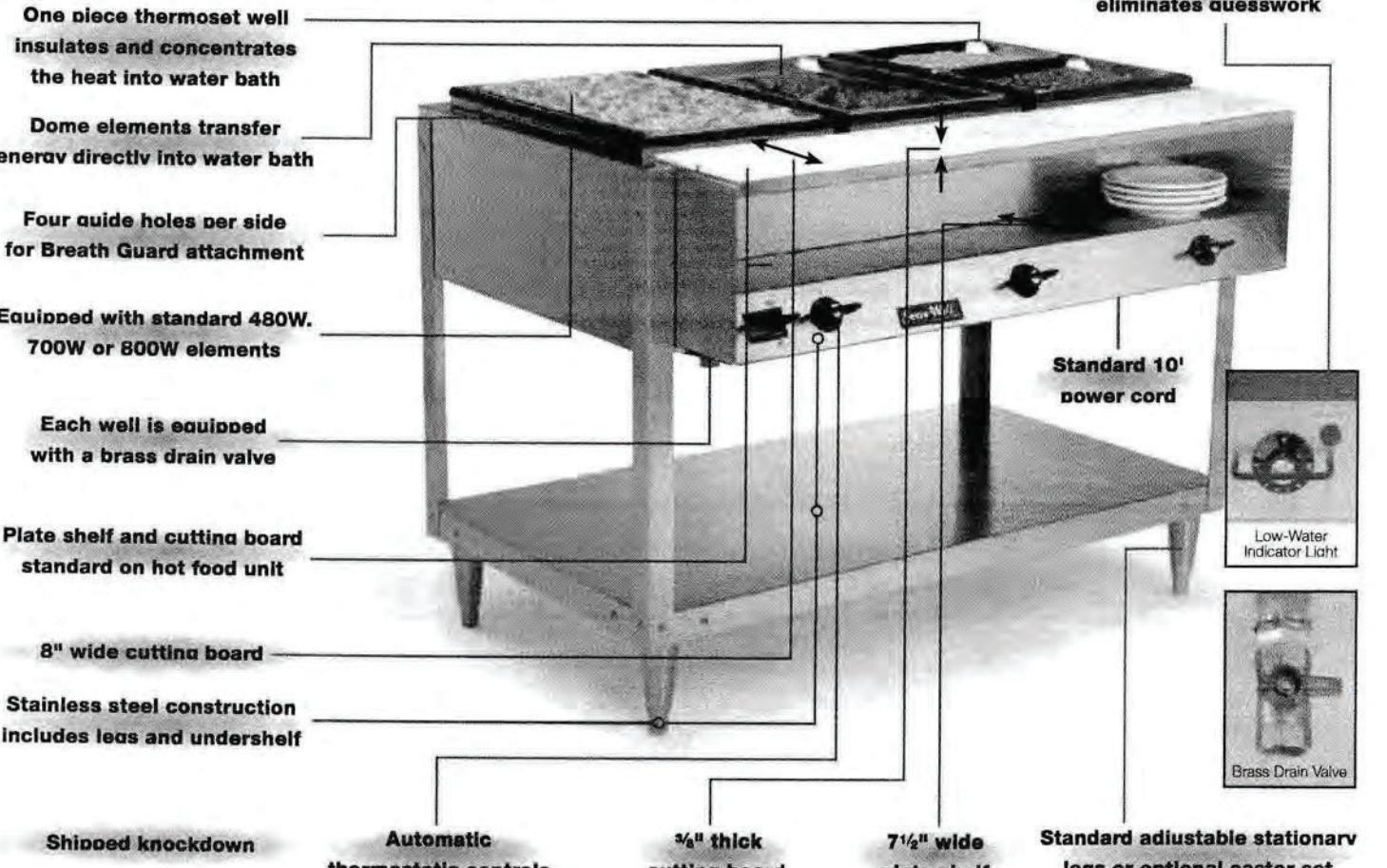
"WE MAKE THE KITCHEN BETTER!"
Toll Free: 855-85

Mobile Servina Eauipment

The Vollrath Company, LLC

ServeWell® Food Stations

ServeWell® stations offer innovative design in value-priced mobile servina eauipment.



ServeWell® Hot Food Tables*

- Thermoset wells cannot tilt or rust
- Recommended for use with up to 4" (10.2 cm) deep full or fractional size cans. Well depth is 6 1/4"
- Use standard adactor plates and insets for servina flexibility
- 38099: Optional Caster Set has four 4" (10.2 cm) swivel wheels — two with brakes

ITEM	DESCRIPTION	DIMENSIONS: IN (CM)	VOLTS**	WATTS PER WELL	WATTS TOTAL	ELECTRICAL SERVICE (A)	AMPS	PLUG
700W/120V								
38102	2-well hot food table	32 x 32 x 34 (81.3 x 81 x 86)	120V	700	1400	15	11.7	5-15P
38103	3-well hot food table	46 x 32 x 34 (116.8 x 81 x 86)	120V	700	2100	30	17.5	5-30P
38104	4-well hot food table	61 1/4 x 32 x 34 (155.6 x 81 x 86)	120V	700	2800	30	23.3	5-30P
38105	5-well hot food table	76 x 32 x 34 (193 x 81 x 86)	120V	700	3500	50	29.2	5-50P
500W/208/240V								
38116	2-well hot food table	32 x 32 x 34 (81.3 x 81 x 86)	208-240V	600-800	1200-1600	15	6.7	6-15P
38117	3-well hot food table	46 x 32 x 34 (116.8 x 81 x 86)	208-240V	600-800	1800-2400	15	10	6-15P
38118	4-well hot food table	61 1/4 x 32 x 34 (155.6 x 81 x 86)	208-240V	600-800	2400-3200	20	13.3	6-20P
38119	5-well hot food table	76 x 32 x 34 (193 x 81 x 86)	208-240V	600-800	3000-4000	30	16.6	6-30P

*Dedicated circuit may be required for higher currents. **Single phase only.

Note: ServeWell® Hot Food Table orders cannot be cancelled or returned.

5-45



RICE WARMER SC - 1650

INDUCTION COOKER
HOT WATER POT
KETTLE
COMMERCIAL BOILER
RICE COOKER
COMMERCIAL COOKER



Copyright © 2014 Suppentown Electric Co., Ltd. All rights reserved.

RECEIVED

FEB 29 2024

District of West Vancouver
Permits Dept.



4732-4732A
MEAT CHOPPERS

STANDARD FEATURES

- 3 H.P. motor
- Compact design
- Steel gears
- Oil bath transmission
- Double lip seal
- 14 gauge stainless steel pan

MODEL

- 4732 - Meat Chopper
- 4732A - Meat Chopper

Specifications, Details and Dimensions on Reverse Side.



OPTIONS

- Removable pan

ACCESSORIES

- Floor mount legs
- #32 Stay-Sharp knife & plates
- #32 stuffing tubes



4732A
MEAT CHOPPERS

SPECIFICATIONS

Motor: 3 H.P., with ball bearings, in a sealed enclosure. Front bearing lubricated by transmission, rear bearing is grease packed, sealed for life.

Electrical: 200/60/1 (4732 model only), 230/60/1, 200/60/3 and 230/50/3 - UL Listed, 380/50/3 (4732 model only) - Not submitted to UL for listing.

TRANSMISSION: Double reduction, oil-lubricated hardened helical cut steel gears. Worm speed is only 151 RPM. Thrust from chopper worm is taken by a tapered roller bearing mounted in a housing on top of the transmission housing. Double lip seal prevents loss of oil or entrance of moisture.

STANDARD EQUIPMENT: Consists of working power unit, magnetic-type contractor wired to water-proof junction box on rear of machine; chopping end; stainless steel pan with guard; stainless steel meat deflector mounted to chopping end; plastic feed strips; cylinder nuts (for loosening cylinder nuts, adjusting ring, or removing worm).

GRINDER END: This unit includes a #32 wide mouth grinding end. The cylinder is spiral fluted, equipped with a deep fluted worm, and is designed to use #32 plates. The cylinder, worm, and adjusting ring are heavily heat treated cast iron.

STAY-SHARP KNIFE & PLATES: Stay-Sharp knife & plates are made from an alloy steel that holds its edge longer than standard carbon steel. Stay-Sharp plates also can be resharpened many more times than regular plates. These two features allow for substantial lifetime cost benefit with the Hobart Stay-Sharp plates.

CAPACITY: Fresh meat capacity of 35 to 40 pounds per minute, first cutting, through a 1/8 plate - and 25 to 30 pounds of beef per minute on second cutting through a 1/8 plate.

FEED PAN: Feed pan features large capacity, measures 34" long, 21" wide and 4 1/4" deep inside. Furnished in 14 gauge stainless

steel. A cast aluminum guard is permanently mounted to the front and sides of the pan with hardened steel drive screws. The pan is secured to the top of the housing with screws. It is separated from the motor area by a heavy sheet of stainless steel insulation to reduce heat transfer to the motor and to protect the meat.

LEGS: Leg length on these standard table models provides 8" clearance between table and lowest point on adjusting ring. Legs in two different lengths (18" and 21") are available at extra cost to accommodate fitting a floor model. The floor model can be leveled by adjusting the legs.

STANDARD EQUIPMENT: Consists of working power unit, magnetic-type contractor wired to water-proof junction box on rear of machine; chopping end; stainless steel pan with guard; stainless steel meat deflector mounted to chopping end; plastic feed strips; cylinder nuts (for loosening cylinder nuts, adjusting ring, or removing worm).

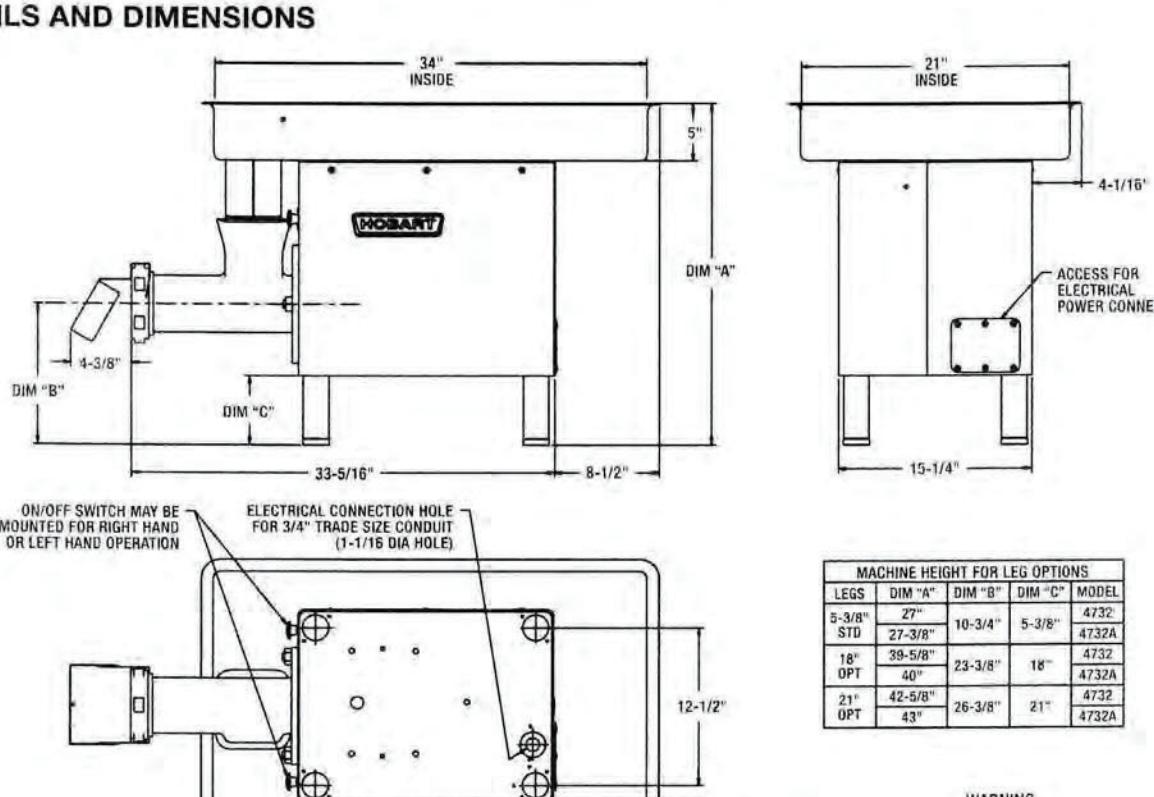
GRINDER END: This unit includes a #32 wide mouth grinding end. The cylinder is spiral fluted, equipped with a deep fluted worm, and is designed to use #32 plates. The cylinder, worm, and adjusting ring are heavily heat treated cast iron.

STAY-SHARP KNIFE & PLATES: Stay-Sharp knife & plates are made from an alloy steel that holds its edge longer than standard carbon steel. Stay-Sharp plates also can be resharpened many more times than regular plates. These two features allow for substantial lifetime cost benefit with the Hobart Stay-Sharp plates.

CAPACITY: Fresh meat capacity of 35 to 40 pounds per minute, first cutting, through a 1/8 plate - and 25 to 30 pounds of beef per minute on second cutting through a 1/8 plate.

FEED PAN: Feed pan features large capacity, measures 34" long, 21" wide and 4 1/4" deep inside. Furnished in 14 gauge stainless

DETAILS AND DIMENSIONS



Page 2 of 2

F7546 - 4732-4732A Meat Choppers

Litho in U.S.A. (H-01)

Printed on Recycled Paper

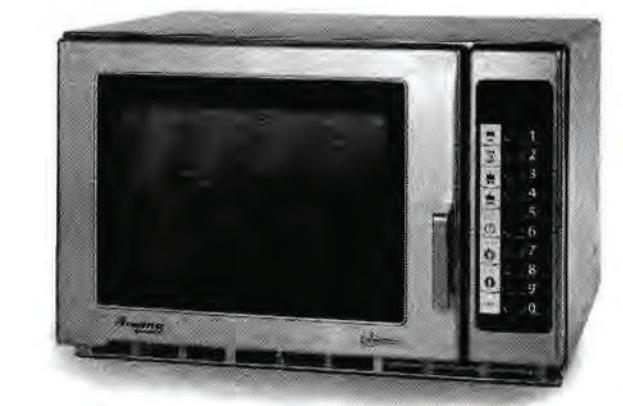


Commercial

Project #: _____

Item #: _____

AIA File #: _____



Medium Volume

Amana® Commercial Microwave Models:
RFS12TS, RFS18TS, AF5518TS

Power Output

- Available in 1200 or 1800 watts of power.
- Five power levels for consistent, delicious results for frozen, refrigerated and fresh foods - from the freezer to table in minutes.

Easy to Use

- Up to 100 programmable menu items simplifies cooking and ensures consistent results.
- Four stage cooking option with one-touch programming. Reduces prep time, labor and food waste while providing consistent results.

Medium Volume

This category of microwave is ideal for...

- Pizza restaurants
- Casual dining
- Clubs
- Deli
- Prep stations
- Pubs, Bars & Grill
- Family restaurants
- Fast casual restaurants

Defrost

- Defrosts most frozen food products
- See-through door and lighted interior for monitoring without opening the door.
- 34 Liter (1.2 cubic ft) capacity accommodates a 356 mm (14") platter, prepackaged foods and single servings.

Stackable

- Stainless steel exterior and interior for easy cleaning and a professional look.
- Removable air filter protects oven components.
- Constructed to withstand the foodservice environment.
- ETL Listed.

Service

- All products are backed by the ACP, Inc. 24/7 ComServ Support Center



866-426-2621

Specification #: _____

Drawings available from KCL CADlog - techs@kclcad.com

4732-4732A MEAT CHOPPERS

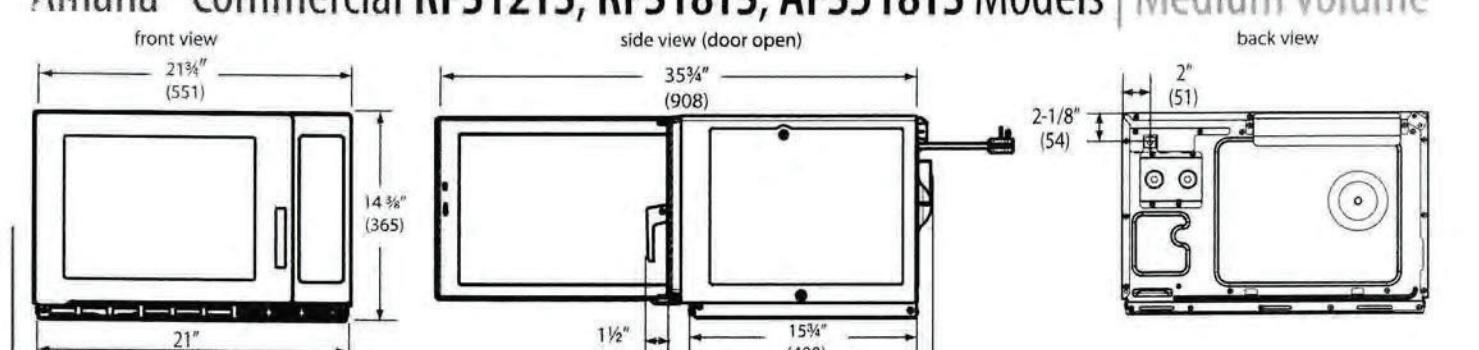
225 49th Ave. Dr. SW Cedar Rapids, IA 52404 U.S.A. | 800-233-2366 | 319-368-8120 | Fax: 319-368-8198 | www.acpsolutions.com

Amana is a trademark of Maytag Properties, LLC or its related companies. Manufactured under license by ACP, Inc. Limited warranty provided by manufacturer. © 2017 ACP, Inc.

Specification #: _____

Drawings available from KCL CADlog - techs@kclcad.com

Amana® Commercial RFS12TS, RFS18TS, AF5518TS Models | Medium Volume



Installation Clearances - Top: 51" (2"), Sides: 25" (1"), Back: None

Drawings available from KCL CADlog - techs@kclcad.com

Dimensions

Exterior H 365 (14 1/4") W 226 (8 7/8") D 226 (14 1/4") D** 533 (21")

Cavity W 359 (14 1/4") D 413 (16 1/4")

Door Depth 864 (34"), 90° - door open

Shipping Carton H 467 (18 1/2") W 663 (26 1/8") D 581 (22 7/8")

Weight

Model Product Weight Ship weight (approx.) UPS Shipable

RFS12TS 30 kg. (66 lbs.) 33 kg. (73 lbs.) Yes

RFS18TS 32 kg. (70 lbs.) 35 kg. (77 lbs.) Yes

AF5518TS 32 kg. (70 lbs.) 35 kg. (77 lbs.) Yes

Features

Configuration Countertop

Stackable Yes

Display LED

Control System Touch

Programmable Control 10 pads

Braille Yes

Settings Programmable 100



"TO COOK NICELY!"
Toll Free: 855-855-0399 Email: info@atosusa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

Single & Double Stock Pot Stoves

Standard Features

- Stainless steel sides and front valve cover
- Full width, removable stainless steel drip pan for easy cleanup
- Heavy duty cast iron top grates
- Heavy duty cast iron three-ring burner, rated at a total of 80,000 BTU/hr
- Cast iron burners and top grates
- Stainless steel tubing for pilots and pilot tips per burner ring
- Each burner is equipped with two continuous pilots
- Two manual controls to operate the inner and outer rings independently
- Stainless steel legs standard
- 3/4" NPT rear gas connection and regulator standard



ATSP-18-1L



ATSP-18-2



ATSP-18-2L



1 YR WARRANTY ON ALL PARTS AND LABOR (US ONLY)

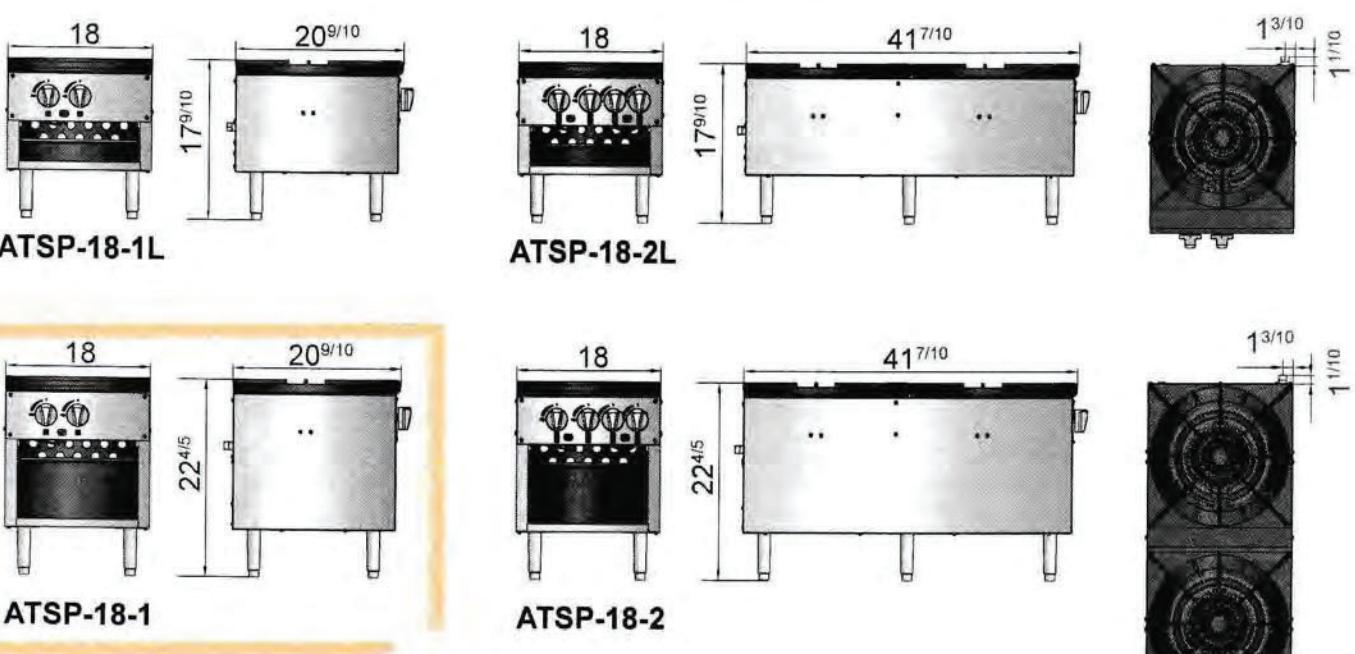


"TO COOK NICELY!"
Toll Free: 855-855-0399 Email: info@atosusa.com
www.atosa.com | www.atosausa.com
California, Colorado, Florida, Georgia, Illinois,
Massachusetts, New Jersey, Ohio, Texas, Washington

SPECIFICATIONS

Models	Burners and Control Method	Gas Type	Intake-Tube Pressure (in.W.C.)	Per BTU B.T.U./h	Total BTU B.T.U./h	Regulator	Exterior Dimensions (inch)	Net Weight (lbs)	Gross Weight (lbs)
ATSP-18-1	2 Burners, Independent Manual Control	NG 4	40,000	80,000	4" w.c.		18" x 20" x 22"	106	119
		LP 10	40,000	80,000	10" w.c.				
ATSP-18-2	4 Burners, Independent Manual Control	NG 4	40,000	160,000	4" w.c.		18" x 41" x 22"	202	222
		LP 10	40,000	160,000	10" w.c.				
ATSP-18-1L	2 Burners, Independent Manual Control	NG 4	40,000	80,000	4" w.c.		18" x 20" x 17"	104	117
		LP 10	40,000	80,000	10" w.c.				
ATSP-18-2L	4 Burners, Independent Manual Control	NG 4	40,000	160,000	4" w.c.		18" x 41" x 17"	198	221
		LP 10	40,000	160,000	10" w.c.				

PLAN VIEW



Heavy duty burners Stainless steel legs Cast iron top grates Stainless steel knobs Stainless steel drip pan



Gas Ranges

RECEIVED

Atosa International | Atosa USA
www.atosa.com | www.atosausa.com

Atosa is continuously improving products. Specifications are subject to change without notice. 100

FEB 29 2024

District of West Vancouver
Permits Dept.

AMERICAN RANGE

QUALITY LINE OF COOKING EQUIPMENT

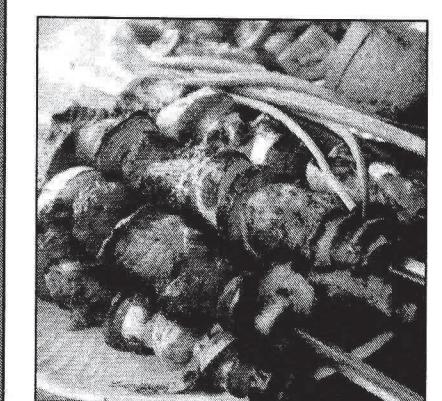
ARKB HEAVY DUTY KEBOB BROILERS

STANDARD FEATURES

- Individually controlled Stainless Steel 30,000 BTU/hr. burners placed every 6", providing maximum output, flexibility and low maintenance.
- Heavy duty radiant bars for optimum heat distribution.
- Radiant bars individually removable for easy cleaning.
- Heavy gauge supports are spaced to hold skewers.
- 14 ga. all welded heavy duty reinforced fire box.
- Stainless Steel polished front and trim for easy cleaning, with fully-insulated double-layered all-welded steel chassis.
- Full length removable crumb tray for easy cleaning.
- Optional 4" legs or equipment stand available.
- One year limited warranty, parts and labor.



ARKB-36



The American Range Heavy Duty Kebob Broiler is engineered to provide reliable performance for many years. This Broiler allows juices from the meat to drip down onto the radiants, resulting in searing flames and smoke flavor.

The innovative design features heavy gauge steel support bars specially spaced to allow support of the "shish" skewers. Individually controlled 30,000 BTU/hr. burners located every six inches provide complete coverage of a large cooking area. Front control valves flexibility to operate chosen burners as needed thus saving energy. All our quality counter appliances come standard with a Stainless Steel exterior and the best warranty in the business.

Look to American Range for innovation, reliable performance, quality and attention to your equipment needs and delivery, now and in the future.

DESIGNED & BUILT IN USA

www.americanrange.com



COUNTERTOP ELECTRIC DEEP FRYERS



Cover(s) for well(s) included

MODEL	VOLTAGE	POWER (W)	AMPS (A)	CAPACITY	DIMENSIONS (INCHES)
EFS-16	120V ~ 60Hz	1750W	15A	16 lb / 8L / 2.3 gal	11.75" x 16" x 13.625"
EFT-32	120V ~ 60Hz	1750W (x2)	15A (x2)	32 lb / 16L / 4.8 gal	21.25" x 16" x 13.625"

- Commercial fry basket(s) with safe secure handle
- Expedient heat-up
- Removable stainless steel fry well(s) for easy cleaning: fry well cover(s) included
- Removable power head(s)
- ETL listed for electrical safety in US and Canada, conforms to UL-197 and CSA C22.2
- ETL listed for sanitation, conforms to NSF-4
- One year parts and labor warranty

ELECTRIC COUNTERTOP SINGLE WELL DEEP FRYER

ITEM	DESCRIPTION	UOM	CASE
EFS-16	Single Well Fry Basket	Set	1
EFS-160	Fry Basket	Each	1

ELECTRIC COUNTERTOP TWIN WELL DEEP FRYER

ITEM	DESCRIPTION	UOM	CASE
EFT-32	Double Well Fry Basket	Set	1
EFT-320	Fry Basket	Each	1

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578



= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

East Coast: Tel. 1.888.946.2682 Fax. 1.888.946.2632
West Coast: Tel. 1.888.946.2652 Fax. 1.562.926.5578

= Cash & Carry / Retail Packaging

Winco www.winco.com

GRAB AND GO PLUS RESTAURANT

1746 MARINE DRIVE, WEST VANCOUVER, BC



COPYRIGHT RESERVED. THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED, OR REVISED WITHOUT WRITTEN CONSENT OF AQUAVOLT ENGINEERING LTD. THE DRAWINGS ARE NOT TO BE SCALED

CONTRACTOR:

MANSOURI
PEOPLE BUILD DESIGN

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7P 1B5
WWW.MANSOURIDESIGN.COM

KEY PLAN

CLIENT:

GENERAL DEMOLITION NOTES

- A. FOR ALL ITEMS NOTED TO BE REMOVED, REMOVE ITEMS INCLUDING CONDUIT AND WIRING BACK TO THE SOURCE AND MAKE IT SAFE. THE CONTRACTOR IS TO ALLOW FOR SITE VISITS, PRIOR TO SUBMITTING TENDER, TO VERIFY ALL ITEMS THAT ARE TO BE REMOVED.
- B. CONTRACTOR SHALL REVIEW AND COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO DETERMINE THE EXACT EXTENT OF THE BUILDING DEMOLITION WORK BEING DONE.
- C. ALL REDUNDANT, UNUSED WIRING AND JUNCTION BOXES INCLUDING ANY UNUSED WIRING IN THE CEILING SPACE IS TO BE REMOVED BACK TO SOURCE.
- D. FOR ALL EXISTING DEVICES INDICATED TO REMAIN, REMOVE AND REINSTALL AS NECESSARY TO ALLOW CONSTRUCTION.
- E. DO NOT REMOVE ANY CABLEING/WIRING FOR OUTLETS THAT ARE NOT WITHIN THE CURRENT CONSTRUCTION SCOPE OF WORK AREA.

LIGHTING GENERAL NOTES (APPLIES TO ALL LIGHTING DRAWINGS)

- A. ALL NEW AND RELOCATED 120V LIGHTING IS TO BE CONNECTED TO ELECTRICAL PANEL. 80% CIRCUIT LOADING IS NOT TO BE EXCEEDED, PROVIDE NEW CIRCUITS AND BREAKERS AS REQUIRED.
- B. PROVIDE NEW EXIT SIGNS AS SHOWN ON THE DRAWING. CONNECT TO LOCAL FLOOR EXIT SIGN CIRCUIT (FOR STANDALONE EXIT SIGNS). NEW EXIT SIGNS TO BE EQUAL TO PLASTIC GREEN PICTOGRAM UNIVERSAL MOUNT. PROVIDE DIRECTIONAL ARROWS AS REQUIRED.
- C. CONTRACTOR TO PROVIDE EMERGENCY LIGHTING LAYOUT SIMILAR TO WHAT IS SHOWN ON THE DRAWINGS. EXTEND CONDUIT AND WIRING AS REQUIRED AND CONNECT TO EXISTING LOCAL LIGHTING CIRCUIT.
- D. ALL EXIT LIGHTS TO BE GREEN RUNNING MAN TYPE.
- E. ALL EMERGENCY LIGHTING TO BE IN WORKING ORDER.

POWER GENERAL NOTES (APPLIES TO ALL POWER DRAWINGS)

- A. ELECTRICAL CONTRACTOR TO CO-ORDINATE ALL MOUNTING HEIGHTS & LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- B. CONTRACTOR TO REVIEW INTERIOR DESIGNER'S DRAWINGS AND NOTES.
- C. ALL ELECTRICAL PANELS ARE TO HAVE 1M CLEARANCE IN FRONT.
- D. ALL CONVENIENCE OUTLET IN CLOSE PROXIMITY (1.5m) TO SINKS ARE TO HAVE A GFI OUTLET.
- E. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS FOR ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
- F. SUPPLY AND INSTALL PULLSTRINGS IN ALL NEW EMPTY CONDUIT.
- G. ALL NEW WIRING TO BE CONCEALED.
- H. ALL RECEPTACLES TO BE MOUNTED TO CABINETRY/MILLWORK WHERE THERE IS NO WALL PRESENT. ALLOW FOR FLOOR TRENCHING AND RECESS RECEPTACLES IN MILLWORK.
- I. FOR ANY FLOOR PENETRATIONS, CONTRACTOR IS TO ALLOW FOR SCANNING AND OBTAIN APPROVAL FROM BASE BUILDING AND STRUCTURAL ENGINEER FOR PENETRATION THROUGH STRUCTURAL FLOOR/WALL ETC. FIRESTOP ALL PENETRATIONS WITH 2 HOUR FIRE STOPPING MATERIAL.
- J. ALL RECEPTACLES DENOTED WITH A 'D' ARE TO BE DEDICATED CIRCUITS.
- K. ALL FIRE WALL/BARRIER PENETRATIONS ARE TO BE FIRE STOPPED.
- L. ALL POWER AND DATA FEEDS ARE TO BE FED FROM THE CEILING AND DOWN COLUMN UNLESS OTHERWISE NOTED.
- M. ALL EXPOSED WIRING (POWER AND DATA) ARE TO BE RUN IN CONDUIT. PROVIDE SEPARATE CONDUITS FOR POWER AND DATA.
- N. ALL DATA AND POWER CABLES WITHIN A PLENUM CEILING SPACE ARE TO BE PLENUM RATED. DATA TO BE FT6 RATED. NO EXCEPTIONS.
- O. ANY CHANGES TO THE CIRCUITING OR LAYOUT FOR COST SAVINGS IS TO BE APPROVED BY THE OWNER AND ENGINEER.
- P. OWNER MAY CHANGE LOCATION OF OUTLETS PRIOR TO INSTALLATION WITH NO CHANGE TO CONTRACT PRICE, PROVIDED DISTANCE DOES NOT EXCEED 10' FROM ORIGINAL LOCATION.
- Q. COORDINATE EXACT LOCATION AND ROUGH-IN REQUIREMENTS FOR SECURITY, CCTV, AND CARD ACCESS DEVICES WITH TENANT'S FORCES.
- R. ALL RECEPTACLES EXPOSED TO THE WEATHER SHALL BE PROVIDED WITH COVER PLATES SUITABLE FOR WET LOCATIONS WHETHER OR NOT A PLUG IS INSERTED INTO THE RECEPTACLE.
- S. FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES USING AN APPROVED MATERIAL AND PROVIDE SHOP DRAWINGS OF APPROVED METHOD(S).
- T. FOR MAINTENANCE OF ROOF TOP UNITS SUPPLY AND INSTALL CSA CONFIGURATION 5-208 CLASS A GFI TYPE RECEPTACLE IN A WEATHER PROOF ENCLOSURE MOUNTED WITHIN 24.5' (7.5m) OF MECHANICAL EQUIPMENT. MOUNTING HEIGHT SHALL NOT BE LESS THAN 29.5' (7.5m) ABOVE FINISHED ROOF.
- U. WORKMANSHIP SHALL BE IN ACCORDANCE WITH WELL ESTABLISHED PRACTICE AND STANDARDS ACCEPTED AND RECOGNIZED BY THE CONSULTANT AND THE TRADE.
- V. THE CONSULTANT SHALL HAVE THE RIGHT TO REJECT ANY ITEM OF WORK THAT DOES NOT CONFORM TO THE CONTRACT DOCUMENTS AND ACCEPTED STANDARDS OF PERFORMANCE, QUIETNESS OF OPERATION, FINISH AND APPEARANCE.
- W. EMPLOY ONLY TRADESMEN HOLDING VALID PROVINCIAL TRADE QUALIFICATION CERTIFICATES. TRADESMEN SHALL PERFORM ONLY WORK THAT THEIR CERTIFICATE PERMITS.
- X. MAKE AND QUALITY OF MATERIALS USED ARE SUBJECT TO APPROVAL BY THE ENGINEER. REMOVE UNACCEPTABLE MATERIALS AND INSTALL SUITABLE MATERIALS IN THEIR PLACE.
- Y. MATERIALS SHALL BE NEW AND OF UNIFORM PATTERN THROUGHOUT, UNLESS NOTED OTHERWISE.

REQUIRED FIELD REVIEWS

THE CONTRACTOR SHALL PROVIDE MINIMUM 1 WEEK NOTICE IN ORDER FOR CONSULTANT TO COMPLETE A FIELD REVIEW AT THE FOLLOWING PROJECT STAGES:

1. AT ROUGH IN STAGE - BEFORE BOARDING OF CEILING AND WALLS
11. BOTH POWER AND DATA TO BE ROUGHED IN
12. FIRE STOPPING SHALL BE COMPLETE
2. UPON SUBSTANTIAL COMPLETION OF WORK
21. SUBMIT ALL SUBSTANTIAL COMPLETION DOCUMENTS.
3. UPON COMPLETION OF RECTIFYING ALL DEFICIENCIES NOTED DURING PREVIOUS FIELD REVIEWS

DRAWING LIST

- E0 - COVER PAGE AND LEGEND
- E1 - POWER AND DATA PLAN
- E2 - LIGHTING AND LIFE SAFETY PLAN
- E3 - SCHEDULES AND DETAILS
- E4 - ELECTRICAL SPECIFICATIONS

RECEIVED
FEB 29 2024

District of West Vancouver
Permits Dept.

SUBSTANTIAL COMPLETION CHECKLIST

- A. THE SEISMIC BRACING OF ELECTRICAL LIGHT FIXTURE INSTALLATION SHALL BE REVIEWED AND APPROVED BY A SEISMIC ENGINEER. SUPPORTING SCHEDULES SB & SC FROM A SEISMIC ENGINEER WILL BE REQUIRED.
- B. FIRE STOPPING CERTIFICATE.
- C. FINAL ELECTRICAL INSPECTION CARD FROM AHJ.
- D. FIRE ALARM VERIFICATION REPORT.

POWER, DATA & FIRE ALARM LEGEND

	SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM SPEAKER
	FIRE ALARM GONG BELL
	FIRE ALARM PULL STATION
	FIRE ALARM BUZZER
	ELECTRICAL PANEL
	JUNCTION BOX
	DIRECT CONNECTION
	3 PHASE ELECTRICAL CONNECTION
	FAN WITH DISCONNECT SWITCH
	DISCONNECT SWITCH
	SECURITY CAMERA
	FURNITURE POWER CONNECTION
	FURNITURE DATA CONNECTION
	FLOORBOX
STANDARD HEIGHT	ABOVE COUNTER HEIGHT
	FOURPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	T-SLOT 20A RECEPTACLE
	208V IP RECEPTACLE
	GFCI RECEPTACLE
	TELEPHONE (ANALOG) OUTLET
	DATA OUTLET
	TEL/DATA OUTLET
	EQUIPMENT TAG

LIGHTING LEGEND

	CEILING MOUNTED OCCUPANCY SENSOR
	EXIT/EMERGENCY LIGHT COMBO. MINIMUM 2 HOUR OPERATION REQUIRED.
	EMERGENCY LIGHT WITH BATTERY PACK. MINIMUM 2 HOUR OPERATION REQUIRED.
	EMERGENCY LIGHT DUAL REMOTE HEADS. MINIMUM 2 HOUR OPERATION REQUIRED.
	EXIT SIGN (GREEN RUNNING MAN)
	LIGHT SWITCH (MASTER)
	LIGHT SWITCH
	LIGHT SWITCH (3 WAY)
	WALL OCCUPANCY SENSOR SWITCH
	2X4 LIGHT FIXTURE
	4' POT LIGHT
	TIMECLOCK

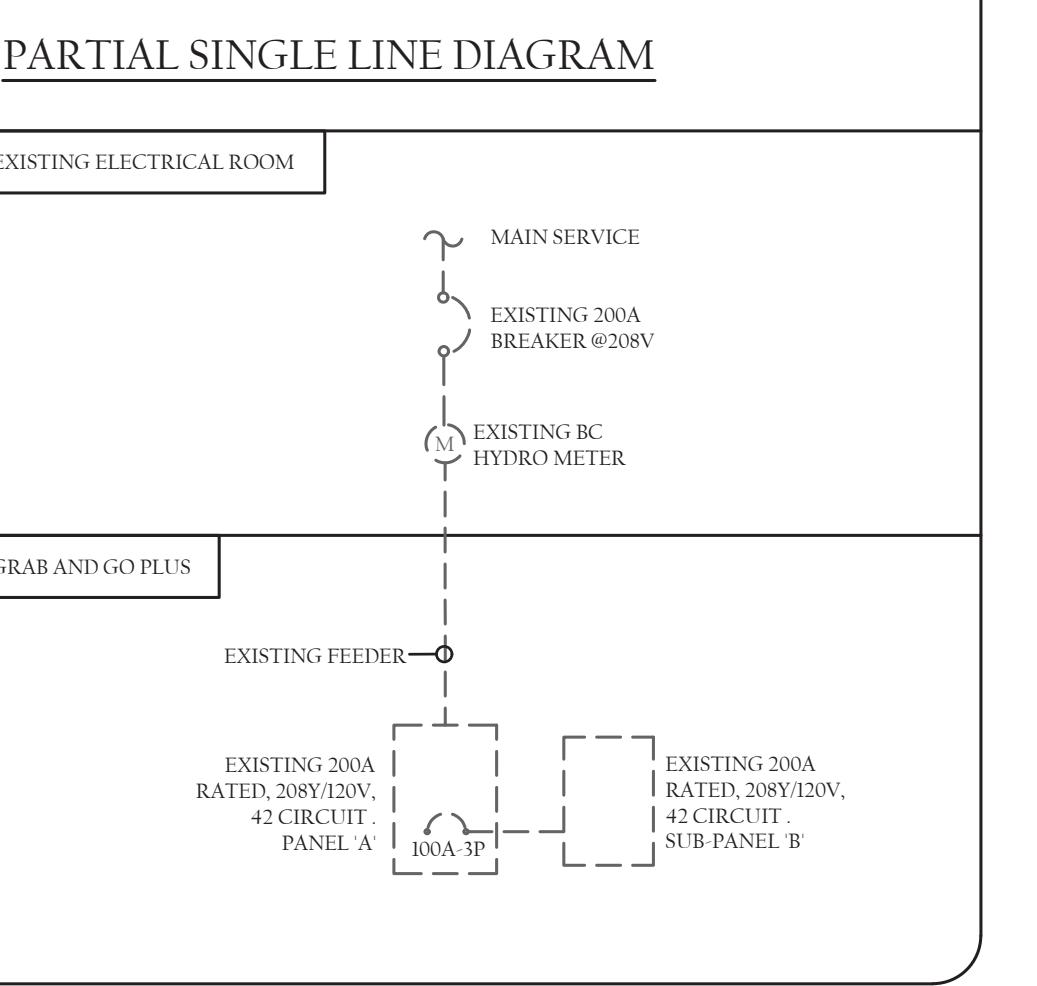
NOT ALL LIGHT SYMBOLS APPEAR ON LEGEND. REFER TO TAGS BESIDE LIGHT SYMBOLS AND CROSS REFERENCE WITH LIGHTING SCHEDULE.

ABBREVIATIONS

(D)	DEDICATED RECEPTACLE
ID, IV	1X DATA OUTLET, 1X VOICE OUTLET
RR	REMOVE AND RELOCATE ITEM
RE	RELOCATED ITEM
E	EXISTING ITEM TO REMAIN
BP	BATTERY PACK

TENANT SPACE LOAD CALCULATION

PER TABLE 14 OF THE CEC
BASIC PROPOSED LOAD (STORE/RESTAURANT)
PANEL A (120/208V PANEL)
CONNECTED LOAD AREA: 17.1m²
30W/m² @ 10 DEMAND FACTOR
SPECIAL EQUIPMENT LOADS @ 10 DEMAND FACTOR
EXISTING MECHANICAL LOADS @ 10 DEMAND FACTOR
TOTAL WATTS: 50.99
TOTAL AMPS (208V, 3p) 141.6 A
TOTAL AMPS AVAILABLE (80% OF 200A BREAKER) 160.0 A



ELECTRICAL, POWER, LIGHTING, AND OTHER EQUIPMENT DESIGN(ENERGY)

BCRC ELECTRICAL STANDARD CODE POWER COMPLIANCE PATH: IN ACCORDANCE WITH:	2018 ASHRAE 90.1-2016 PREScriptive N/A PREScriptive BUILDING AREA METHOD
POWER COMPLIANCE PATH: IN ACCORDANCE WITH: OTHER EQUIPMENT PATH: IN ACCORDANCE WITH:	N/A (NO OTHER EQUIP WORK) N/A
AREA DESCRIPTION	LPD (W/ft ²)
DINING/FAST FOOD (L863 ft ²)	0.76
	1.416W
TOTAL INSTALLED WATTS:	1,298W

ELECTRICAL SHOP DRAWINGS

1. SUBMIT SHOP DRAWINGS TO CONSULTANT FOR REVIEW PRIOR TO ORDERING ANY ELECTRICAL/LIGHTING EQUIPMENT OR FIXTURES.	ACCEPTED FOR BUILDING PERMIT ISSUANCE BP11905
These drawings to be available on site PERMITS & INSPECTIONS DEPT DISTRICT OF WEST VANCOUVER	EGBC PERMIT # 1000411



2024-02-12

EGBC PERMIT # 1000411

SCALE: PER DWG | DESIGNED BY: AN
DATE: FEB 2024 | CHECKED BY: AH

PROJECT NUMBER: 24032

E0

DESIGNATION	BKR	CCT	φA	φB	φC	CCT	BKR	DESIGNATION
LIGHTS - FRONT OF HOUSE	15A	1	<input type="checkbox"/>			2	100A	EXISTING SUB-PANEL 'B'
LIGHTS - BACK OF HOUSE	15A	3		<input type="checkbox"/>		4	100A	EXISTING SUB-PANEL 'B'
ICE MACHINE	15A	5			<input type="checkbox"/>	6	100A	EXISTING SUB-PANEL 'B'
SANDWICH TABLE	15A	7	<input type="checkbox"/>			8	30A	SERVE WELL FOOD STATION
BOTTOM REACH IN FREEZER	15A	9		<input type="checkbox"/>		10	30A	SERVE WELL FOOD STATION
GLASS DOOR REACH IN FRIDGE	15A	11			<input type="checkbox"/>	12	15A	RICE MAKER
GLASS DOOR REACH IN FRIDGE	15A	13	<input type="checkbox"/>			14	15A	RICE MAKER
GLASS DOOR REACH IN FRIDGE	15A	15		<input type="checkbox"/>		16	15A	RICE MAKER
MEAT CHOPPER	20A	17			<input type="checkbox"/>	18	20A	ELECTRIC DEEP FRYER
MEAT CHOPPER	20A	19	<input type="checkbox"/>			20	20A	ELECTRIC DEEP FRYER
DISHWASHER	30A	21		<input type="checkbox"/>		22	EX.	EXISTING OCCUPIED CIRCUIT
DISHWASHER	30A	23			<input type="checkbox"/>	24	EX.	EXISTING OCCUPIED CIRCUIT
DISHWASHER	30A	25	<input type="checkbox"/>			26	EX.	EXISTING OCCUPIED CIRCUIT
DISHWASHER BOOSTER	30A	27		<input type="checkbox"/>		28	EX.	EXISTING OCCUPIED CIRCUIT
DISHWASHER BOOSTER	30A	29			<input type="checkbox"/>	30	EX.	EXISTING OCCUPIED CIRCUIT
DISHWASHER BOOSTER	30A	31	<input type="checkbox"/>			32	EX.	EXISTING OCCUPIED CIRCUIT
		33		<input type="checkbox"/>		34	EX.	EXISTING OCCUPIED CIRCUIT
		35			<input type="checkbox"/>	36	EX.	EXISTING OCCUPIED CIRCUIT
		37	<input type="checkbox"/>			38	EX.	EXISTING OCCUPIED CIRCUIT
		39		<input type="checkbox"/>		40	EX.	EXISTING OCCUPIED CIRCUIT
		41			<input type="checkbox"/>	42	EX.	EXISTING OCCUPIED CIRCUIT

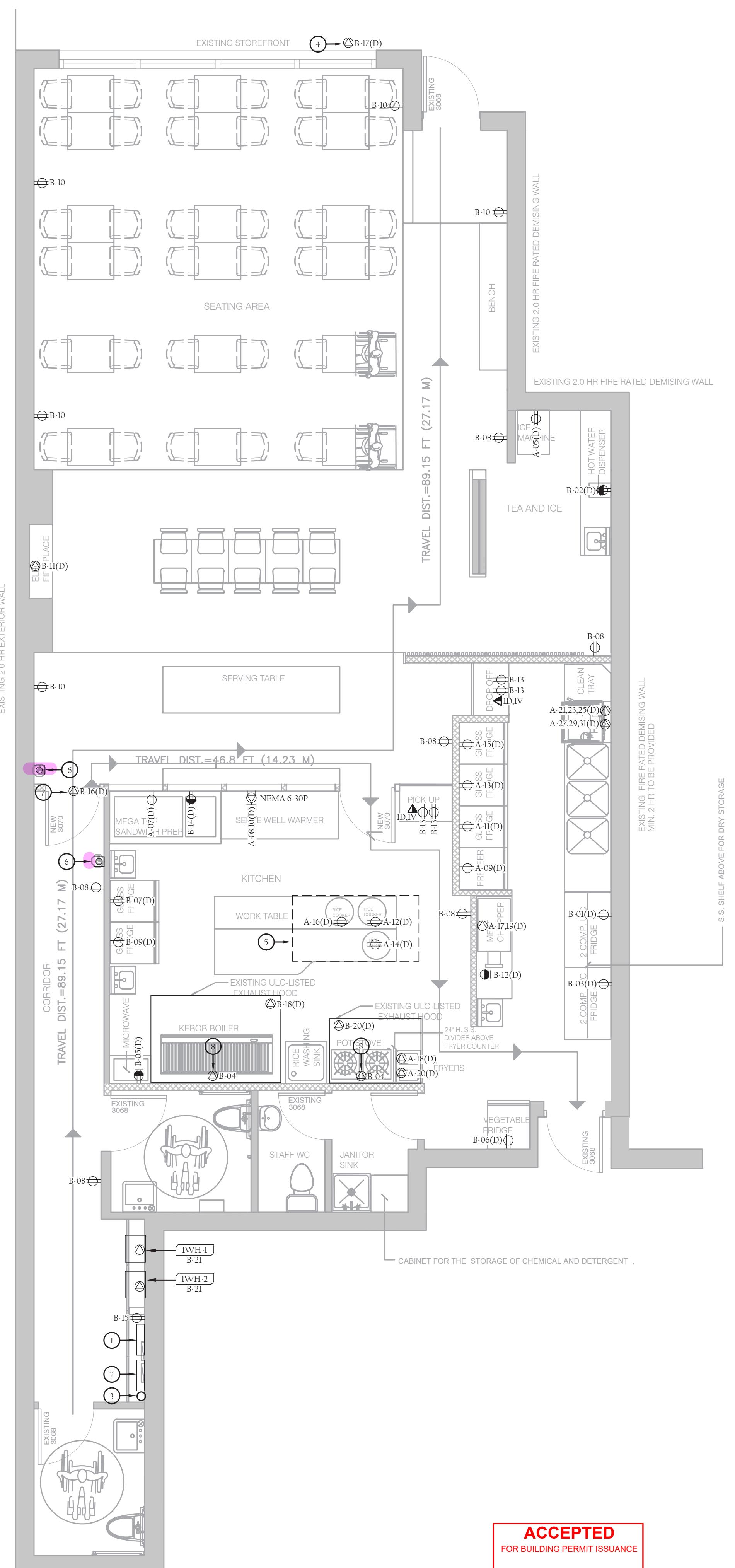
DESIGNATION	BKR	CCT	φA	φB	φC	CCT	BKR	DESIGNATION
UNDERCOUNTER FRIDGE	15A	1	<input type="checkbox"/>			2	20A	HOT WATER DISPENSER
UNDERCOUNTER FRIDGE	15A	3		<input type="checkbox"/>		4	15A	IGNITER
MICROWAVE	20A	5			<input type="checkbox"/>	6	15A	FRIDGE
GLASS DOOR REACH IN FRIDGE	15A	7	<input type="checkbox"/>			8	15A	CONVENIENCE RECEPTACLES
GLASS DOOR REACH IN FRIDGE	15A	9		<input type="checkbox"/>		10	15A	CONVENIENCE RECEPTACLES
ELECTRIC FIREPLACE	20A	11			<input type="checkbox"/>	12	20A	ABOVE COUNTER RECEPTACLE
POS STATIONS	15A	13	<input type="checkbox"/>			14	20A	ABOVE COUNTER RECEPTACLE
RECEPTACLE	15A	15		<input type="checkbox"/>		16	15A	AUTO DOOR OPENER
SIGNAGE	15A	17			<input type="checkbox"/>	18	15A	KITCHEN HOOD
KITCHEN SUPPRESSION SYSTEM CONTROL PANEL	15A	19	<input type="checkbox"/>			20	15A	KITCHEN HOOD
IWH 1 & 2 IGNITER	15A	21		<input type="checkbox"/>		22		
		23			<input type="checkbox"/>	24		
		25	<input type="checkbox"/>			26		
		27		<input type="checkbox"/>		28		
		29			<input type="checkbox"/>	30		
		31	<input type="checkbox"/>			32		
		33		<input type="checkbox"/>		34		
		35			<input type="checkbox"/>	36		
		37	<input type="checkbox"/>			38		
		39		<input type="checkbox"/>		40		
		41			<input type="checkbox"/>	42		

GENERAL NOTES

- A. AREA IN FRONT OF ELECTRICAL PANELS TO REMAIN CLEAR AT ALL TIMES (MINIMUM 1m CLEARANCE).
- B. ALL RECEPTACLE HEIGHTS TO BE REFERENCED FROM ARCHITECTURAL DRAWINGS.
- C. SCAN SLAB PRIOR TO ANY TRENCHING OR CORING.
- D. THE TENANT CONTRACTOR SHALL FILL IN SLAB DEPRESSIONS AND CRACKS AND COVER WITH APPROPRIATE FLOOR FINISH.
- E. ELECTRICAL CONTRACTOR TO REVIEW MECHANICAL DRAWINGS FOR EXACT LOCATION/MOUNTING HEIGHT OF ALL MECHANICAL EQUIPMENT.
- F. DESIGN DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, DISCREPANCIES TO BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH ANY WORK.
- G. LIST OF ELECTRICAL DEFECTS OR DEFICIENCIES IN THE WORK OF THE BASE BUILDING CONTRACTOR PRIOR TO COMMENCING WORK IN THE PREMISES. PRESENT A COPY OF THESE ITEMS TO THE INTERIOR DESIGNER, ENGINEER AND BUILDING OWNER.
- H. ANY MATERIAL NOT SPECIFIED IN THESE SPECIFICATIONS SHALL BE THE SAME THAT OF THE EXISTING BUILDING.
- I. PROVIDE A MINIMUM OF 96 HOURS NOTICE PRIOR TO ANY NECESSARY SHUTDOWN OF BUILDING SERVICES. ARRANGE AND CO-ORDINATE WITH BUILDING OWNER.
- J. KEEP A PERMANENT RECORD OF EACH INSPECTION MADE BY THE INSPECTING AUTHORITY SHOWING THE DATE, INSPECTOR'S NAME, SCOPE OF THE INSPECTION AND STATEMENT OF SPECIAL DECISIONS OR PERMISSIONS GRANTED. THESE RECORDS SHALL BE AVAILABLE TO THE ENGINEER AT ALL TIMES, AND TURNED OVER TO HIM AFTER COMPLETION OF THE WORK.
- K. TENANT CONTRACTOR TO COORDINATE WITH LANDLORD AS TO SALVAGING ANY EXISTING LIGHTING AND DISTRIBUTION EQUIPMENT.
- L. CONTRACTOR SHALL REVIEW AND COORDINATE WITH INTERIOR DESIGN AND MECHANICAL DRAWINGS TO DETERMINE THE EXACT EXTENT OF THE BUILDING DEMOLITION WORK BEING DONE.
- M. ALL REDUNDANT, UNUSED WIRING AND JUNCTION BOXES INCLUDING ANY UNUSED WIRING IN THE CEILING SPACE IS TO BE REMOVED BACK TO SOURCE.
- N. FOR ALL EXISTING DEVICES INDICATED TO REMAIN, REMOVE AND REINSTALL AS NECESSARY TO ALLOW CONSTRUCTION.
- O. DO NOT REMOVE ANY CABLING/WIRING FOR OUTLETS THAT ARE NOT WITHIN THE CURRENT CONSTRUCTION SCOPE OF WORK AREA.
- P. PROVIDE STAINLESS STEEL COVER PLATES FOR ALL RECEPTACLES LOCATED UNDER THE KITCHEN EXHAUST HOODS.
- Q. COORDINATE EXACT MOUNTING HEIGHT FOR SIGNAGE POWER WITH PROJECT MANAGER ON SITE.
- R. PROVIDE FIRE STOPPING OF ALL ELECTRICAL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES MEETING APPROVED MATERIALS AND METHODS FOR APPLICATIONS.
- S. PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH LATEST EDITION OF ELECTRICAL CODE.
- T. DOWNSTREAM FUSES AND BREAKERS MAY BE SERIES RATED FOR REQUIRED FAULT INTERRUPTING RATINGS. PANELS ARE TO BE LISTED AS SUCH BY MANUFACTURER.
- U. COORDINATE ALL NEUTRAL CONDUCTOR REQUIREMENTS FOR MECHANICAL EQUIPMENT WITH SHOP DRAWINGS.
- V. PROVIDE LAMICOID LABELS FOR EACH PANEL INDICATING: PANEL NAME, VOLTAGE, FED FROM: (PARENT PANEL/SWITCHBOARD), FEEDER SIZE AND FEEDER BREAKER SIZE.

KEYED NOTES

- ① EXISTING 200A RATED ELECTRICAL PANEL 'A'. SEE SINGLE LINE DIAGRAM ON E0 FOR ADDITIONAL DETAILS.
- ② EXISTING 200A RATED ELECTRICAL SUB-PANEL 'B'. SEE SINGLE LINE DIAGRAM ON E0 FOR ADDITIONAL DETAILS.
- ③ EXISTING BASE BUILDING DATA DEMARCTION POINT. DATA RACK TO BE INSTALLED AT THIS LOCATION. CONTRACTOR TO ALLOW FOR PATCH PANELS, DATA RACK, DATA CABLES AND ANY OTHER EQUIPMENT FOR A FULLY FUNCTIONING SYSTEM.
- ④ PROVIDE POWER FOR OUTDOOR SIGNAGE. EXACT LOCATION TO BE COORDINATED ON SITE. SIGNAGE TO BE TIED TO TIMECLOCK ON SEPARATE RELAY. COORDINATE TIMES WITH CLIENT.
- ⑤ POWER TO BE FED UNDER TABLE FROM NEAREST WALL. ALLOW FOR CORING OF SLAB. ENSURE THAT SLAB IS SCANNED PRIOR TO ANY CORING TAKING PLACE.
- ⑥ ALLOW FOR ROUGH IN CONDUIT FOR AUTO DOOR OPENER PUSH BUTTON. EXACT HEIGHT TO BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH IN.
- ⑦ ALLOW FOR 120V POWER FOR AUTO DOOR OPENER.
- ⑧ POWER FOR IGNITER. ENSURE THAT THIS SHUTS OFF WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED.



POWER AND DATA PLAN

SCALE: 1/4" = 1'-0"

ACCEPTED
FOR BUILDING PERMIT ISSUANCE

BP119005

Aquavolt Engineering Ltd.
CONSULTING MECHANICAL AND ELECTRICAL ENGINEERS

A: Unit 202 - 828 Harbourside Drive,
North Vancouver, BC
E: info@aquavolt.ca
P: (778)-360-2153
www.aquavoltengineering.ca

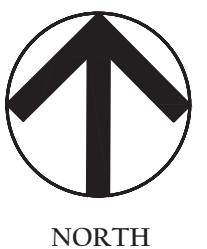
RIGHT RESERVED. THIS DRAWING AND DESIGN SHALL NOT BE
REPRODUCED, OR REVISED WITHOUT WRITTEN CONSENT OF
DLT ENGINEERING LTD. THE DRAWINGS ARE NOT TO BE

CONTRACT

M A N S
O U R

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7P 1B3
WWW.MANSOURIDESIGN.COM

KEY PLAN



CLIENT:

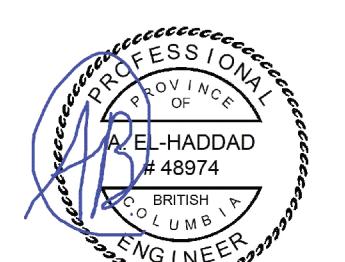
1	ISSUED FOR PERMIT	2024/02/12 AN
D.	DESCRIPTION	DATE (YYYY/MM/DD) BY
PROJECT NAME AND ADDRESS		

PROJECT NAME AND ADDRESS:

GRAB AND GO PLUS RESTAURANT
1746 MARINE DRIVE,
WEST VANCOUVER, BC

TITLE: POWER AND DATA PLAN

SEAI



2024-02-10

EG-BC PERMIT #1000411

SCALE: PER DWG	DESIGNED BY: AN
DATE: FEB 2024	CHECKED BY: AH

PROJECT NUMBER: 24032

E1



Aquavolt Engineering Ltd.
CONSULTING MECHANICAL AND ELECTRICAL ENGINEERS

A: Unit 202 - 828 Harbourside Drive,
North Vancouver, BC
E: info@aquavolt.ca
P: (778)-360-2153
www.aquavoltengineering.ca

COPYRIGHT RESERVED. THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED, OR REVISED WITHOUT WRITTEN CONSENT OF AQUAVOLT ENGINEERING LTD. THE DRAWINGS ARE NOT TO BE SCALED

CONTRACT

M A N S
O U R |

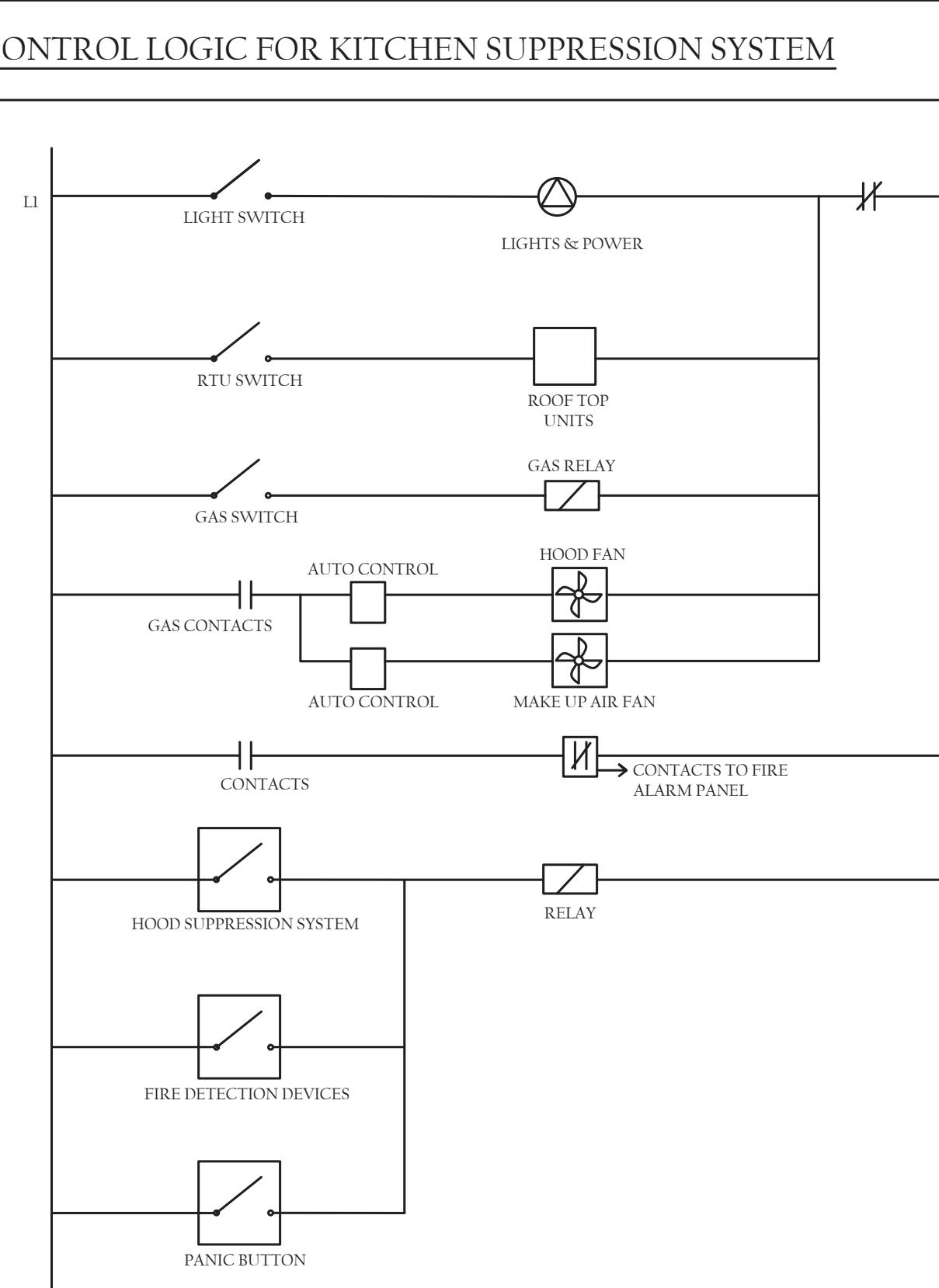
109-1303 WELCH STREET, NORTH VANCOUVER, BC,
V7P 1B3
WWW.MANSOURIDESIGN.COM

KEY PLAN

CLIENT:

ACCEPTED
FOR BUILDING PERMIT ISSUANCE

BP119005



CONTROL LOGIC FOR KITCHEN SUPPRESSION SYSTEM

INSTANT WATER HEATER SCHEDULE											
Tag	Make	Model	Location	Capacity	Gas Input	FLA	BRK	Electrical	Dimensions	Weight	Notes
IWH-1 & 2	NAVIEN	NPE-240S	ABOVE MOP SINK - SEE PLAN	3.8 GPM @ 100°F ΔT	200 MBH	4 A	15 A	120V/1Φ/60Hz	17.3" W x 13.2" D x 27.4" H	75 LBS	ALL
NOTES:											
1. FACTORY SUPPLIED NEUTRALIZING KIT			2. REFER TO DETAIL 3. 0.97 EF CANADA RATED			4. INLINE MODULAR CONFIGURATION			5. ALTERNATE EQUAL RINNAI CUI99IN		

ELECTRICAL CONTRACTOR TO PROVIDE POWER TO ALL MECHANICAL EQUIPMENT AS SHOWN. DISCONNECT SWITCHES TO BE PROVIDED BY ELECTRICAL CONTRACTOR AS PER REQUIREMENTS AND SYMBOLS SHOWN ON DRAWINGS. ALL MECHANICAL EQUIPMENT TO BE SUPPLIED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.

RECEIVED

FEB 29 2024

District of West Vancouver Permits Dept.

PROJECT NAME AND ADDRESS:
GRAB AND GO PLUS RESTAURANT
746 MARINE DRIVE,

TITLE:

1000



2024-02-12

EGBC PERMIT # 1000411

SCALE: PER DWG DESIGNED BY: AN

DATE: FEB 2024 CHECKED BY: AH

PROJECT NUMBER: 24032

E3

ELectrical specifications

1. GENERAL ELECTRICAL REQUIREMENTS AND STANDARDS

1.1 RESPONSIBILITY AS TO WHICH TRADE PROVIDES REQUIRED ARTICLES OR MATERIALS RESTS ENTIRELY WITH THE GENERAL CONTRACTOR. EXTRAS WILL NOT BE CONSIDERED BASED ON GROUNDS OF DIFFERENCE OF INTERPRETATION OF SPECIFICATIONS AS TO WHICH TRADE INVOLVED SHALL PROVIDE CERTAIN SPECIALTIES OR MATERIALS.

1.2 ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH OTHER CONSULTANT DRAWINGS, INCLUDING BUT NOT LIMITED TO THE MECHANICAL, STRUCTURAL, CIVIL ENGINEERS AS WELL AS INTERIOR DESIGNERS AND ARCHITECTS. CONTRACTOR IS TO CONSULT WITH AQUAVOLT ENGINEERING LTD IF THE ELECTRICAL DRAWINGS DO NOT MATCH THAT OF THE OTHER CONSULTANTS.

1.3 COORDINATE WITH AND GET APPROVAL FROM THE LANDLORD FOR ALL DRILLING, CORING AND CUTTING OF BUILDING STRUCTURE COORDINATE LOCATIONS ON SITE PRIOR TO CARRYING OUT THE WORK. ALLOW FOR ALL COSTS FOR X RAYING/SCANNING. CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE LANDLORD STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF THE WORK.

1.4 THE CONTRACTOR IS TO PROVIDE A CERTIFICATE OF GUARANTEE OF WORKMANSHIP AND MATERIAL FOR ONE YEAR FROM THE DATE OF ACCEPTANCE.

1.5 FIRE PROOF ALL FIRE RATED PENETRATIONS AFTER INSTALLATION.

1.6 ALL DATA CABLES WITHIN THE CEILING PLENUM ARE TO BE FITTED.

1.7 TRANSFORMERS ARE NOT PERMITTED TO BE INSTALLED IN A RETURN AIR PLENUM.

1.8 REMOVE AND REINSTALL EXISTING DEVICES AS REQUIRED TO FACILITATE CONSTRUCTION.

1.9 CONFIRM OUTLET LOCATIONS AND MOUNTING HEIGHT WITH PROJECT COORDINATOR ON SITE PRIOR TO INSTALLATION.

1.10 ALL RECEPTACLES AND JUNCTION BOXES ARE TO HAVE VISIBLE P-TOUCH LABELS.

1.11 PROVIDE WORK IN STRICT ACCORDANCE WITH THE LATEST EDITION OF APPLICABLE CODES INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING CODES AND STANDARDS.

- CANADIAN ELECTRICAL CODE
- BCBC 2018
- MUNICIPAL BYLAWS
- CSA/UL STANDARDS
- ASHRAE 90.1-2019

2. MATERIALS AND EQUIPMENT

2.1 UNLESS SPECIFICALLY INDICATED OTHERWISE PROVIDE (FURNISH AND INSTALL) ALL SPECIFIED AND DRAWN EQUIPMENT, RACEWAY, BOXES, LUMINAIRES, CONTROLS, WIRING, CABLES, SUPPORTS AND OTHER MATERIALS AS REQUIRED TO RENDER ALL ELECTRICAL AND ELECTRICALLY OPERATED EQUIPMENT, LUMINAIRES, DEVICES, ETC. FULLY OPERATIONAL.

2.2 ALL MATERIALS ARE TO BE NEW AND OF THE QUALITY SPECIFIED. MATERIALS SHALL BE APPROVED BY CSA OR EQUIVALENT AGENCY RECOGNIZED IN APPLICABLE PROVINCIAL BUILDING REGULATIONS, LOCAL CODES AND CITY BYLAWS.

2.3 MAINTAIN SAFETY AND GOOD CONDITION OF THE MATERIALS AND EQUIPMENT INSTALLED UNTIL FINAL ACCEPTANCE BY THE OWNER. STORE MATERIALS TO PREVENT DAMAGE AND WEATHERING PRIOR TO INSTALLATION.

2.4 WHEN SEVERAL MATERIALS, PRODUCTS OR ITEMS OF EQUIPMENT ARE SPECIFIED BY NAME FOR ONE USE, SELECT ONE OF THOSE SPECIFIED.

3. DRAWINGS AND SPECIFICATIONS

3.1 DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. WHAT IS CALLED FOR BY ONE IS BINDING AS IF CALLED FOR BY BOTH.

3.2 SHOULD ANY DISCREPANCY OR INCONSISTENCY APPEAR BETWEEN DRAWINGS AND SPECIFICATIONS THAT LEAVES THE ELECTRICAL CONTRACTOR IN DOUBT AS TO THE MEANING/INTENT, OBTAIN RULING FROM THE ENGINEER BEFORE SUBMITTING TENDER, OR ALLOW FOR THE MOST EXPENSIVE ALTERNATIVE.

4. BASIC ELECTRICAL MATERIALS AND METHODS

4.1 GENERAL

A. FURNISH AND INSTALL ALL LABOR AND MATERIAL, TOOLS AND EQUIPMENT NECESSARY TO RENDER ALL SYSTEMS COMPLETE AND OPERATIONAL, AND READY FOR TURNOVER TO OWNER.

4.2 ELECTRICAL INSTALLATIONS

A. INSTALL WORK CONDUIT, WIRING, OUTLET BOX TYPE WORK IN FINISHED AREAS CONCEALED. SUCH WORK INSTALLED IN UNFINISHED AREAS MAY BE EXPOSED AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE.

B. WHERE OUTLET BOXES ARE TO BE INSTALLED IN EXTERIOR WALLS, THE ELECTRICAL CONTRACTOR IS TO ENSURE THAT THERE IS INSULATION BEHIND THE OUTLET BOXES TO PREVENT CONDENSATION THROUGH THE BOXES.

C. PROVIDE NO WIRE SIZE SMALLER THAN NO. 12 FOR BRANCH CIRCUITS UNLESS OTHERWISE NOTED. PLANS FOR CONTROL CIRCUITS ARE TO BE PROVIDED BY THE CONTRACTOR. WHERE THE CONTRACTOR PROVIDES CONTROL EQUIPMENT, PROVIDE NEUTRAL CONDUCTOR FOR ALL MULTIPOL FEEDERS, PROVIDE NEUTRAL CONDUCTOR(S) FOR ALL MULTIPOL FEEDERS AND BRANCH CIRCUITS UNLESS THIS CONTRACTOR DETERMINES IN FIELD THAT THE AFFECTED LOAD(S) WILL NEVER HAVE NEED FOR A NEUTRAL CONDUCTOR. CEC DOES NOT MANDATE OTHERWISE.

4.3 COORDINATION

A. PARTICIPATE IN COORDINATION MEETINGS AND IN PREPARATION OF COORDINATION DRAWINGS PRIOR TO FABRICATION OR INSTALLATION OF EQUIPMENT, MATERIALS, ETC. COORDINATE ACTUAL CLEARANCES OF INSTALLED EQUIPMENT, COORDINATE EXACT LOCATION OF ELECTRICAL OUTLETS, LIGHTING FIXTURES, CONDUITS, RACEWAYS, EQUIPMENT, CABLE ASSEMBLIES, APPLICABLE DEVICES, ETC. WELL IN ADVANCE OF INSTALLATION SO THERE WILL BE NO INTERFERENCES AT INSTALLATION BETWEEN THE VARIOUS TRADES.

B. WHERE WORK DONE BY THE ELECTRICAL CONTRACTOR DAMAGES THE WORK OF OTHER TRADES, THE ELECTRICAL CONTRACTOR SHALL REPAIR AND MAKE GOOD SUCH DAMAGE TO THE SATISFACTION OF EACH TRADE CONCERNED AS WELL AS THE ENGINEER.

4.4 IDENTIFICATION

A. SUBMIT MANUFACTURER'S DATA ON ELECTRICAL IDENTIFICATION MATERIALS AND PRODUCTS. SUBMIT DETAILED NAMEPLATE SCHEDULE INDICATING PROPOSED NOMENCLATURE, COLORS, TEXT HEIGHTS, FASTENING METHODS, ETC.

B. PROVIDE TYPEWRITTEN DIRECTORIES IN ALL PANELS.

C. PROVIDE MANUFACTURER'S STANDARD VINYL CLOTH SELF ADHESIVE CONDUCTOR MARKERS OR WRAP AROUND TYPE, EITHER PRE-NUMBERED PLASTIC COATED TYPE, OR WRITEN ON TYPE WITH CLEAR PLASTIC SELF ADHESIVE COVER FLAP, NUMBERED TO SPECIFY CABLE IDENTIFICATION. COLOR CODED CLOTH SELF ADHESIVE CONDUCTOR MARKERS FOR CONTRACTORS. PROVIDE COLOR CODED JACKETS FOR CABLES. MATCH COLOR SCHEMES WITH MARKING SYSTEM USED IN SUBMITTALS. CONTRACT DOCUMENTS, INDUSTRY STANDARDS, ETC. APPLY CABLE CONDUCTOR IDENTIFICATION ON EACH CABLE IN EACH BOX/ENCLOSURE/ CABINET FOR CABLES THAT ARE NOT AVAILABLE WITH COLOR CODED INSULATION OR JACKETS.

D. FIRE ALARM BREAKER TO BE PAINTED RED AND CLEARLY IDENTIFIED

5. LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

5.1 GENERAL

A. PROVIDE WIRE AND CABLE SUITABLE FOR THE TEMPERATURE, CONDITIONS, AND LOCATION WHERE INSTALLED.

5.2 CONDUCTORS

A. PROVIDE COPPER CONDUCTOR MATERIAL FOR WIRES AND CABLES UNLESS SPECIFICALLY INDICATED OTHERWISE ON SINGLE-LINE DIAGRAM ON DRAWINGS.

B. ALL BUILDING WIRING IS TO BE RW90, 600V, COPPER, EXCEPT WHERE NOTED OTHERWISE.

C. CONDUCTOR SIZES INDICATED ARE BASED ON COPPER UNLESS SPECIFICALLY INDICATED OTHERWISE ON SINGLE-LINE DIAGRAM ON DRAWINGS.

6. WORKMANSHIP

6.1 ALL WORK SHALL BE EXECUTED IN A NEAT MANNER BY QUALIFIED TRADESMEN. THE ELECTRICAL CONTRACTOR SHALL KEEP A COMPETENT FOREMAN AND NECESSARY ASSISTANTS ON THE SITE DURING THE DURATION OF THE PROJECT.

6.2 ALL MATERIAL AND INSTALLATION SHALL MATCH BUILDING STANDARD UNLESS NOTED OTHERWISE ON THE DRAWINGS.

7. EXIT AND EMERGENCY LIGHTING

7.1 EMERGENCY LIGHTS SHALL OPERATE FOR A MINIMUM OF 1 HOUR.

7.2 ALL EMERGENCY LIGHTING IS TO OPERATE AUTOMATICALLY WITHOUT DELAY UPON FAILURE OF NORMAL POWER SUPPLY.

7.3 EXIT SIGNS TO BE OF THE RUNNING GREEN MAN PICTORIAL TYPE.

7.4 EXIT SIGNAGE SHALL BE CONNECTED TO A DEDICATED EXIT SIGNAGE CIRCUIT.

7.5 CONNECT EMERGENCY LIGHTING UNITS TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.

7.6 PROVIDE TRANSFORMER WHERE REQUIRED FOR EMERGENCY POWER FROM 347V TO 120V.

8. RECORD PLANS

8.1 THE ENGINEER WILL FURNISH TO THE ELECTRICAL CONTRACTOR ONE SET OF DRAWINGS TO BE USED FOR RECORD PURPOSES. THE ELECTRICAL CONTRACTOR IS TO ACCURATELY RECORD ON THESE PRINTS ALL REVISIONS TO THE ORIGINAL PLANS THAT ARE MADE ON SITE DURING CONSTRUCTION.

8.2 THE ELECTRICAL CONTRACTOR IS TO PRODUCE A SET OF RED LINE MARK-UP DRAWINGS, INCLUDING ALL CHANGES TO THE ORIGINAL TENDER DRAWINGS COVERED BY CHANGE ORDERS, FIELD CHANGES, ADDENDA, AND JOB CONDITIONS, AND PROVIDE THESE TO THE ENGINEER IN HARD COPY FORM. COMPLETED RECORD DRAWINGS ARE TO BE CLEARLY MARKED "RECORD DRAWINGS". THE COST OF WHICH WILL LIE WITH THE ELECTRICAL CONTRACTOR.

8.3 THE CONTRACTOR SHALL ALLOW FOR A COST OF \$300 PER DRAWING PAGE FOR TRANSFERRING RED LINE MARK-UPS TO ELECTRONIC CAD RECORD DRAWINGS FOR AQUAVOLT ENGINEERING CAD SERVICES. THIS AMOUNT SHOULD BE INCLUDED IN THE TENDER BID.

9. MECHANICAL EQUIPMENT

PART 1 - GENERAL

9.1 RELATED WORK

A. PROVIDE ALL NECESSARY ELECTRICALLY RELATED WORK AS REQUIRED TO RENDER ALL MECHANICAL EQUIPMENT (INCLUDING PLUMBING, HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT) FULLY OPERATIONAL AND FULLY COMPLIANT WITH CEC. THIS INCLUDES, PRIOR TO ORDERING MATERIALS OR COMMENCING WITH ROUGH-IN, REVIEWING EQUIPMENT SUBMITTAL DATA AND COORDINATING WITH INSTALLING CONTRACTORS TO ENSURE THE CORRECT SIZE, RATING AND QUANTITY OF CONDUCTORS ARE PROVIDED.

PART 2 - EXECUTION

9.2 INSTALLATION

A. GENERAL

1. PROVIDE DISCONNECT SWITCH AHEAD OF ALL EQUIPMENT, INCLUDING CONTROLS, UNLESS THE MECHANICAL EQUIPMENT COMES WITH INTEGRAL CEC COMPLIANT DISCONNECTS. PROVIDE NEMA 3R ENCLOSURES WHERE INSTALLED OUTDOORS AND WHERE INSTALLED INDOORS IN AREAS SUBJECT TO MOISTURE. GROUND METAL FRAMES OF EQUIPMENT BY CONNECTING FRAMES TO THE GROUNDED METAL RACEWAY OR TO A FULL SIZE GREEN GROUND CONDUCTOR OR BOTH. PROVIDE THE NECESSARY ELECTRICAL CONNECTIONS BETWEEN THE SPECIFIED EQUIPMENT AND THE JUNCTION BOX NEAR EQUIPMENT WITH FLEXIBLE METALLIC CONDUIT, LIQUID TIGHT, OR EQUIVALENT CONNECTIONS.

2. SPECIFIC ELECTRICAL OUTINGS, ETC. OF EQUIPMENT AND WIRING SHOWN ON DRAWINGS ARE BASED ON THE RESPECTIVE EQUIPMENT DESIGN BASE MANUFACTURERS. IF DIFFERENT MANUFACTURER(S) OR MODEL(S) ARE ACTUALLY SUPPLIED, PROVIDE NECESSARY COORDINATION IN FIELD (PRIOR TO ORDERING MATERIALS AND PRIOR TO ROUGH-IN) AND PROVIDE THE NECESSARY SIZE OF RELATED ELECTRICAL EQUIPMENT, WIRING, CONDUIT, ETC.

3. PRIOR TO FURNISHING SUBMITTALS AND PRIOR TO ROUGH-IN, DETERMINE EXACT ELECTRICALLY RELATED CHARACTERISTICS, LOADS, VOLTAGES, DISCONNECT AND STARTER REQUIREMENTS, LOCATIONS, MOUNTING HEIGHTS, CONNECTION POINTS, ETC. OF MECHANICAL EQUIPMENT.

4. LOCATIONS OF DISCONNECTS AND STARTERS SHOWN ON DRAWINGS ARE INDICATED FOR SCHEMATIC PURPOSES ONLY. DETERMINE EXACT LOCATIONS IN FIELD SO THAT THEY ARE COMPLIANT WITH CEC REQUIREMENTS.

10. OCCUPANCY SENSORS

PART 1 - GENERAL

10.1 RELATED WORK

A. PROVIDE LABOR, MATERIALS, TOOLS, APPLIANCES, CONTROL HARDWARE, SENSOR, WIRE, JUNCTION BOXES AND EQUIPMENT NECESSARY FOR INCIDENTAL TO THE DELIVERY, INSTALLATION AND FURNISHING OF COMPLETELY OPERATIONAL OCCUPANCY SENSOR LIGHTING CONTROLS, AS DESCRIBED HEREIN.

B. PROVIDE OCCUPANCY SENSORS FOR ENTIRE PROJECT THAT ARE ALL MADE BY THE SAME MANUFACTURER. PROVIDE COMPONENTS THAT ARE ALL MADE BY THE SAME MANUFACTURER IN CASES WHERE OCCUPANCY SENSOR COMPONENTS ARE ALSO CONNECTED TO A BUILDING LIGHTING CONTROL SYSTEM, REGARDLESS OF WHERE THE MATERIALS ARE SPECIFIED IN DIVISION 26 DOCUMENTS.

PART 2 - SPECIFIC REQUIREMENTS

10.2 ACCEPTABLE MANUFACTURERS

A. BASIS OF DESIGN MANUFACTURER IS WATTSTOPPER. OTHER ACCEPTABLE MANUFACTURERS ARE HUBBELL, SENSOR SWITCH, LEVITON AND LUTRON IN AS MUCH AS THE SYSTEMS MEET THE INTENT AND FUNCTIONALITY AND SUSTAINABILITY OF THE DESIGN.

11. PANELBOARDS

11.1 EXCEPT AS OTHERWISE INDICATED, PROVIDE PANELBOARDS, ENCLOSURES AND ANCILLARY COMPONENTS, OF TYPES, SIZES, AND RATINGS INDICATED, WHICH COMPLY WITH MANUFACTURER'S STANDARD MATERIALS, WITH THE DESIGN AND CONSTRUCTION IN ACCORDANCE WITH PUBLISHED PRODUCT INFORMATION.

11.2 PROVIDE PANELBOARDS WITH PROPER NUMBER OF UNIT PANELBOARD DEVICES AS REQUIRED FOR COMPLETE INSTALLATION, WHERE TYPES, SIZES, OR RATINGS ARE NOT INDICATED, COMPLY WITH CEC, AND ESTABLISHED INDUSTRY STANDARDS FOR THOSE APPLICATIONS INDICATED.

11.3 PROVIDE PANELBOARDS THAT ARE NEW AND MANUFACTURER'S LATEST STANDARD CATALOG DESIGN.

11.4 PROVIDE PANELBOARDS SUITABLE FOR SERVICE VOLTAGE WITH NUMBER OF BRANCH CIRCUITS OF CAPACITY SCHEDULED.

11.5 IN THE EVENT THAT TANDEM BREAKERS ARE BEING USED, ENSURE THAT THE INSTALLED PANEL SUPPORTS THE USE OF TANDEM BREAKERS.

11.6 PROVIDE ELECTRICAL DISTRIBUTION RELATED EQUIPMENT WITH APPROPRIATELY BRAZED BUSING AND PROPERLY RATED BREAKERS, FUSES, ETC. FOR THE AVAILABLE FAULT CURRENTS.

A. IN EXISTING BUILDINGS WHERE FAULT CURRENT VALUES ARE NOT INDICATED ON DRAWINGS, COORDINATE WITH EXISTING "UPSTREAM" DISTRIBUTION EQUIPMENT, AND PROVIDE EQUIPMENT AIC RATINGS THAT MEET OR EXCEED SAME.

B. PROVIDE ENCLOSURES FASTENED FIRMLY TO WALLS AND STRUCTURAL SURFACES, ENSURING THAT THEY ARE PERMANENTLY AND MECHANICALLY ANCHORED.

C. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

D. BALANCE PANEL LOAD FOR EACH PHASE A, B, C. ALLOW FOR RELOCATING CIRCUITS WITHIN PANEL BOARD TO BALANCE THE LOAD.

11.7 HANGARS, FASTENING AND SEISMIC BRACING

A. ELECTRICAL EQUIPMENT SHALL BE ADEQUATELY SUPPORTED WITH HANGERS AND FASTENINGS TO STRUCTURAL BUILDING MEMBERS ONLY.

B. WHERE WOOD SCREWS ARE USED, THEY SHALL PENETRATE WOOD AT LEAST 25°.

C. PERFORATED PIPE HANGER IRONS SHALL NOT BE USED.

D. LIGHTING FIXTURES ARE TO BE ADEQUATELY SUPPORTED. ONLY FIRST CLASS METHODS OF SUPPORT WILL BE ACCEPTED. FASTEN FLUORESCENT FIXTURES AT A MINIMUM OF 3 LOCATIONS, INCLUDING NO. 12 FASTENINGS AT EACH END. FASTEN EXTERIOR FIXTURES WITH A MINIMUM OF 4 1/4" FASTENINGS.

E. RECESSED FIXTURES SHALL BE SUPPORTED INDEPENDENT FROM T BAR CEILING BY WIRE TO BUILDING STRUCTURE FROM TWO DIAGONAL ENDS TO MEET SEISMIC REQUIREMENTS.

F. ALL EQUIPMENT MUST BE SEISMICALLY SECURED TO CODE REQUIREMENTS. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A SEISMIC ENGINEER TO REVIEW/DESIGN ALL SUPPORT METHODS AND PROVIDE A STAMP/SEAL ON ALL SUPPORT SHOP DRAWINGS.

G. COORDINATE WITH A REGISTERED SEISMIC PROFESSIONAL TO REVIEW/SCOPE, ASSIST WITH BRACING INSTALLATION REQUIREMENTS AND COMPLETE REVIEW OF THE ELECTRICAL INSTALLATION AT COMPLETION OF WORK. THE SEISMIC ENGINEER SHALL PROVIDE SEALED LETTER OF ASSURANCE AND COMPLIANCE PRIOR TO SUBSTANTIAL COMPLETION.

13. FIre STOPPING

A. ALL OPENINGS IN FLOORS AND WALLS FOR ELECTRICAL SYSTEMS CONDUITS, DUCTS, CABLE SHALL BE SEALED WITH FIRE STOPPING MATERIAL AFTER FINAL INSTALLATION OF THE SYSTEMS.

B. FIRE STOPPING SHALL BE DESIGNED AND INSTALLED TO SUIT THE APPLICATION; INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND THE FINAL INSTALLATION SHALL BE IN FULL CONFORMANCE TO CAN4-SI01.

14. CONDUIT INSTALLATION

A. CONDUIT SHALL BE CONCEALED IN ALL LOCATIONS SUCH AS SUSPENDED CEILINGS, STUD WALLS ETC.

B. CONDUIT SHALL BE INSTALLED NEATLY IN A WORKMANSHIP MANNER. ALL HORIZONTAL RUNS OF CONDUIT IN SUSPENDED CEILING SPACE SHALL BE RUN TIGHT TO UNDERSIDE OF FICING AND SOLID STRUCTURAL MEMBERS. CONDUITS MUST ALWAYS BE RUN A MINIMUM OF 1" (30 MM) ABOVE SUSPENDED CEILINGS.

C. RACEWAYS ARE TO BE INSTALLED FREE FROM DENTS AND BRUISES AND SHALL HAVE THEIR ENDS CAPPED, PLUGGED, OR SEALED AS NECESSARY TO PREVENT ENTRANCE OF DIRT OR MOISTURE.

D. CONDUIT SHALL BE SECURELY FASTENED TO STRUCTURAL CEILING. LOCATE CONDUITS CLEAR OF MECHANICAL UNITS, COMMUNICATION CABLE TRAY AND OTHER AREAS REQUIRING ACCESS. CONDUIT OR WIRING SHALL NOT BE FASTENED TO ANY SPRINKLERS, MECHANICAL DUCTS OR ANY OTHER EQUIPMENT IN CEILING SPACE (OR THEIR SUPPORTS).

E. CONDUIT SIZE SHALL BE AS CALLED FOR ON THE DRAWINGS OR TABLE 6 OF THE ELECTRICAL CODE, UNLESS OTHERWISE NOTED. RUNNING THREADS SHALL NOT BE USED. CONDUIT REQUIRING GROUND WIRES SHALL BE INCREASED TO COMPLY WITH THE CODE WHERE REQUIRED.

F. INSTALL A CONTINUOUS NYLON CORD (PULLSTRING) IN EACH CONDUIT LEFT EMPTY.

15. OUTLET LOCATIONS

A. THE ENGINEER RESERVES THE RIGHT TO CHANGE THE LOCATION OF OUTLETS (BOTH POWER AND DATA) TO WITHIN 3 M OF POINTS INDICATED ON PLANS WITHOUT EXTRA CHARGE, PROVIDED THE ELECTRICAL CONTRACTOR IS ADVISED BEFORE INSTALLATION IS MADE.

16. FIre ALARM SYSTEM

A. THE ELECTRICAL TRADE SHALL TIE INTO THE EXISTING FIRE ALARM SYSTEM. FURNISH ALL LABOR, SERVICES, AND MATERIALS NECESSARY TO PROVE AND INSTALL A COMPLETE, FUNCTIONAL LIFE SAFETY FIRE SYSTEM. THE SYSTEM SHALL COMPLY IN EVERY RESPECT WITH ALL PERTINENT CODES, RULES, AND REGULATIONS, AND WITH THE LAWS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.

B. PROVIDE NEW FIRE ALARM SPEAKERS/BELLS/PULL STATIONS OR OTHER FIRE ALARM DEVICES AS SHOWN ON THE DRAWINGS.

C. NEW DEVICES MUST MATCH EXISTING MANUFACTURER AND MODELS.

D. NEW DEVICES SHALL BE CONNECTED TO EXISTING ZONES AND SHALL BE PROVIDED AS SHOWN.

E. DEVICES TO BE INSTALLED AS REQUIRED TO ACHIEVE A FULLY OPERATIONAL FIRE ALARM SYSTEM.

F. THE CONTRACTOR MUST ALLOW FOR A SUFFICIENT AMOUNT OF TIME BETWEEN FIRE ALARM VERIFICATION TESTING AND FINAL OCCUPANCY.

G. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF AN ADDITIONAL FIRE ALARM AUDIBLE DEVICES ABOVE AND BEYOND WHAT IS SHOWN ON THE DRAWINGS, PER FLOOR IN THE EVENT THEY ARE REQUIRED TO INCREASE FIRE ALARM AUDIBILITY LEVELS.

17. COMMUNICATIONS

A. SUPPLY AND INSTALL ALL WIRE AND JACKS FOR TELEPHONE, FAX AND POS CONNECTIONS FROM THE SERVICE PROVIDER'S DEMARCACTION POINT TO LOCATIONS AS SPECIFIED IN THE DRAWINGS.

B. INSTALL EMT CONDUITS FROM EACH WALL OR FLOOR MOUNTED COMMUNICATION OUTLET (UNLESS NOTED OTHERWISE) TO THE ACCESSIBLE CEILING SPACE ABOVE COMPLETE WITH BUSHING AT BOTH ENDS.

C. CAT 6 UTP CABLE SHALL BE FOUR PAIR, UNSHIELDED, TWISTED, 22 AWG TO 24 AWG, 100 OHM FT6. TRANSMISSION REQUIREMENTS SHALL MEET OR EXCEED ALL REQUIREMENTS OF TIA/EIA 568-B.2 FOR CATEGORY 6 CABLEING AND COMPONENTS.

D. TERMINATE ALL FIBER PATCH PANELS. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED COMPONENTS INCLUDING PATCH PANELS, SPLICING TRAY, ADAPTERS, CONNECTORS, AND CABLE GLIDES AS PART OF AN INTEGRATED CABLE MANAGEMENT SYSTEM. CONNECTOR TYPE TO BE APPROVED BY CLIENT IT DEPARTMENT/CONTRACTOR.

E. ALL PATCH CORDS ARE TO BE SUPPLIED BY THIS CONTRACTOR. PATCH CORDS TO BE CAT 6, 4-PAIR, STP, 24AWG, 8P/8W, RJ45 ON BOTH ENDS, 2.1M IN LENGTH.

18. ALTERNATIVES

A. ALTERATIONS ENTAILING ADDITIONAL WORK OR DELETIONS ARE TO BE CARRIED OUT ONLY UPON THE WRITTEN REQUEST OF THE PRIME CONSULTANT INVOLVED IN THE PROJECT.

B. ANY PRICES SUBMITTED BY THE ELECTRICAL CONTRACTOR FOR ADDITIONAL WORK OR ALTERATIONS ARE TO INCLUDE A PRICE BREAKDOWN FOR ALL LABOUR AND MATERIALS. NO EXTRAS WILL BE ALLOWED WITHOUT PRIOR WRITTEN AUTHORIZATION.

19. GROUNDING

A. PROVIDE ALL GROUNNING AND BONDING IN ACCORDANCE WITH SECTION 10 OF THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE.

20. SHOP DRAWINGS

A. COMPLETE AND DETAILED SHOP DRAWINGS OF EACH ELECTRICAL COMPONENT AND SYSTEM SHALL BE SUBMITTED TO THE CONSULTANT FOR APPROVAL BEFORE FABRICATION OF MATERIALS OR EQUIPMENT. SUBMIT COPIES OF PDF THEREOF AS DRAWINGS TO THE CONSULTANT, FOR REVIEW FOR ALL ITEMS AS REQUIRED IN THIS SPECIFICATION.

B. SHOP DRAWINGS SUBMITTED SHALL BE CERTIFIED BY THE MANUFACTURER, BE CHECKED BY THE CONTRACTOR AND SHALL BEAR THEIR APPROVAL STAMP AND SIGNATURE. DRAWINGS NOT PREVIOUSLY CHECKED BY THE CONTRACTOR WILL NOT BE REVIEWED.

C. CONTRACTOR TO SUBMIT DRAWINGS TO THE CONSULTANT FOR APPROVAL. THE CONTRACTOR SHALL NOT BEAR THE COST OF THE GENERAL DESIGN CONCEPT. THIS REVIEW SHALL NOT MEAN THAT THE CONSULTANT APPROVES THE DETAIL INHERENT IN THE SHOP DRAWINGS, RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR SUBMITTING SAME, AND SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR OF THEIR RESPONSIBILITY FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE.

D. DEVIATIONS FROM THE SPECIFIED LUMINAIRE AND CONTROL PACKAGE WILL REQUIRE ASHRAE 90.1 2016 COMPLIANCE FORMS TO BE REVISED AND RESUBMITTED TO THE AUTHORITY HAVING JURISDICTION BY THE ELECTRICAL ENGINEER OF RECORD FOR THE PROJECT. THE COST OF REVISING AND RESUBMITTING THESE FORMS WILL BE AT THE EXPENSE OF THE CONTRACTOR. ALLOW FOR THE FOLLOWING TO BE PAID TO THE APPROVING AUTHORITY (TIA/EIA 568-B) TO BE COMPLETED \$300 PER ALTERNATE PACKAGE. SUBMISSION TO REVIEW AND ENSURE ENERGY AND CONTROL TARGETS ARE NOT DEVIATED FROM. \$5,000 TO COMPLETE THE COMPLIANCE FORMS WITH THE ACCEPTED ALTERNATE LUMINAIRE/CONTROL PACKAGE.

21. FIELD REVIEWS

A. PROVIDE SUFFICIENT NOTICE (2 WORKING DAYS) TO THE ENGINEER TO COMPLETE FIELD REVIEWS AT THE FOLLOWING STAGES OF WORK.

ROUGH-IN
SUBSTANTIAL
FINAL

B. FAILURE TO COMPLETE REVIEW PRIOR TO CONCEALING OF WORK MAY REQUIRE THE WORK TO BE EXPOSED AT CONTRACTOR COST AND THE INSTALLATION APPROVED BY THE ENGINEER.

22. Substantial Completion Checklist

A. THE FOLLOWING ITEMS MUST BE COMPLETED FOR SUBSTANTIAL COMPLETION OF THE PROJECT (PRIOR TO OCCUPANCY):

- FIRE ALARM INSTALLATION IS COMPLETE AND VERIFICATION REPORT IS SUBMITTED FOR REVIEW.
- ELECTRICAL INSPECTION CARD FROM THE AUTHORITY HAVING JURISDICTION IS RECEIVED AND SHOWS PASSED.
- FIRE STOPPING IS COMPLETE, REVIEWED AND APPROVED.
- THE SEISMIC BRACING OF THE ELECTRICAL INSTALLATION HAS BEEN REVIEWED AND APPROVED BY A SEISMIC ENGINEER. A LETTER OF ASSURANCE FROM A SEISMIC ENGINEER WILL BE REQUIRED.
- THE ELECTRICAL INSTALLATION HAS BEEN MADE SAFE WITH COVERS INSTALLED.

B. FAILURE TO COMPLETE ITEMS NOTED ABOVE MAY RESULT IN NO ISSUANCE OF THE ELECTRICAL LETTER OF ASSURANCE AND ADDITIONAL FIELD REVIEWS WILL NEED TO BE COMPLETED AT \$400 PER VISIT OR AS SPECIFIED ON THE ACCEPTED FEE PROPOSAL.

23. Shop Drawings

A. PROVIDE ALL GROUNNING AND BONDING IN ACCORDANCE WITH SECTION 10 OF THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE.

24. Shop Drawings

A. COMPLETE AND DETAILED SHOP DRAWINGS OF EACH ELECTRICAL COMPONENT AND SYSTEM SHALL BE SUBMITTED TO THE CONSULTANT FOR APPROVAL BEFORE FABRICATION OF MATERIALS OR EQUIPMENT. SUBMIT COPIES OF PDF THEREOF AS DRAWINGS TO THE CONSULTANT, FOR REVIEW FOR ALL ITEMS AS REQUIRED IN THIS SPECIFICATION.

B. SHOP DRAWINGS SUBMITTED SHALL BE CERTIFIED BY THE MANUFACTURER, BE CHECKED BY THE CONTRACTOR AND SHALL BEAR THEIR APPROVAL STAMP AND SIGNATURE. DRAWINGS NOT PREVIOUSLY CHECKED BY THE CONTRACTOR WILL NOT BE REVIEWED.

C. CONTRACTOR TO SUBMIT DRAWINGS TO THE CONSULTANT FOR APPROVAL. THE CONTRACTOR SHALL NOT BEAR THE COST OF THE GENERAL DESIGN CONCEPT. THIS REVIEW SHALL NOT MEAN THAT THE CONSULTANT APPROVES THE DETAIL INHERENT IN THE SHOP DRAWINGS, RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR SUBMITTING SAME, AND SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SHOP DRAWINGS OR OF THEIR RESPONSIBILITY FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE.

D. DEVIATIONS FROM THE SPECIFIED LUMINAIRE AND CONTROL PACKAGE WILL REQUIRE ASHRAE 90.1 2016 COMPLIANCE FORMS TO BE REVISED AND RESUBMITTED TO THE AUTHORITY HAVING JURISDICTION BY THE ELECTRICAL ENGINEER OF RECORD FOR THE PROJECT. THE COST OF REVISING AND RESUBMITTING THESE FORMS WILL BE AT THE EXPENSE OF THE CONTRACTOR. ALLOW FOR THE FOLLOWING TO BE PAID TO THE APPROVING AUTHORITY (TIA/EIA 568-B) TO BE COMPLETED \$300 PER ALTERNATE PACKAGE. SUBMISSION TO REVIEW AND ENSURE ENERGY AND CONTROL TARGETS ARE NOT DEVIATED FROM. \$5,000 TO COMPLETE THE COMPLIANCE FORMS WITH THE ACCEPTED ALTERNATE LUMINAIRE/CONTROL PACKAGE.

E. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

F. BALANCE PANEL LOAD FOR EACH PHASE A, B, C. ALLOW FOR RELOCATING CIRCUITS WITHIN PANEL BOARD TO BALANCE THE LOAD.

G. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

H. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

I. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

J. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

K. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

L. PROVIDE NEATLY TYPEWRITTEN CIRCUIT DIRECTORY CARD FOR EACH PANELBOARD UPON COMPLETION OF INSTALLATION WORK. INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

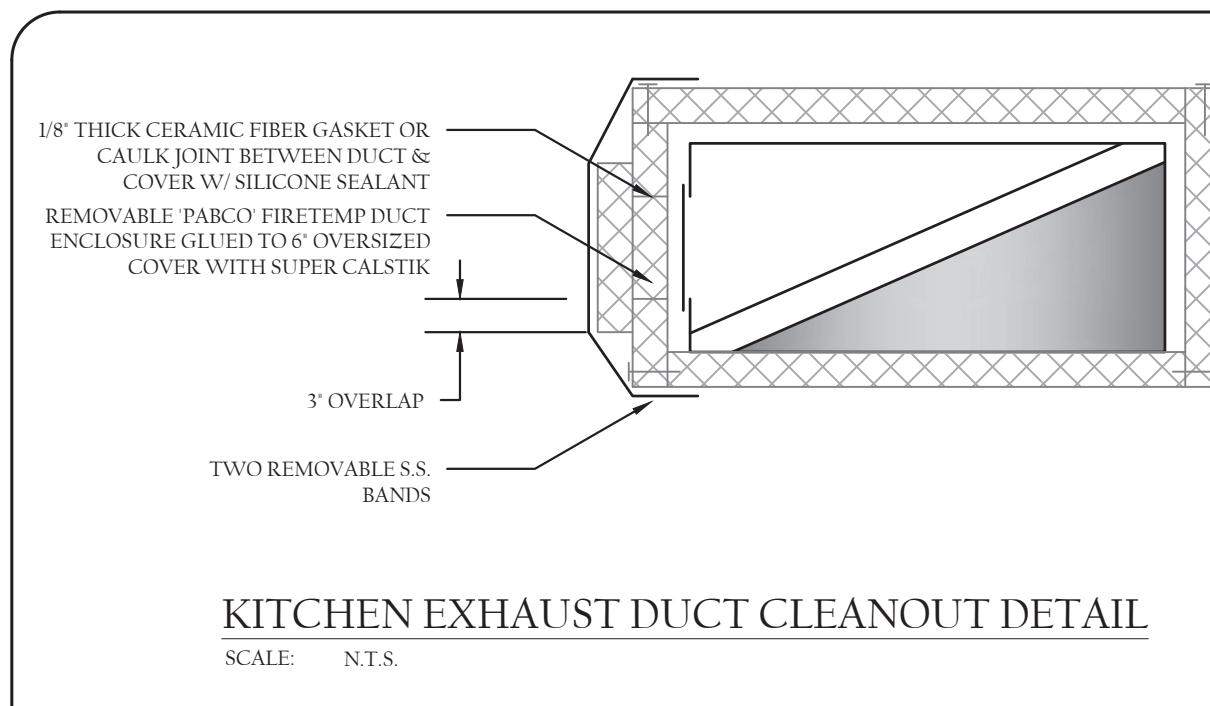
M. PROVIDE NEATLY TYPEWRITTEN CIRCUIT

HVAC GENERAL NOTES	
A. VERIFY WITH LANDLORD'S REPRESENTATIVE THE SCOPE OF LANDLORD AND TENANT'S CONTRACTOR'S WORK BEFORE PRICING. USE LANDLORD APPROVED BASE BUILDING CONTRACTORS WHERE REQUIRED AT TENANT'S EXPENSE.	
B. ALL SPECIFICATIONS TO ADHERE TO LEASE AGREEMENT AND TENANT DESIGN CRITERIA.	
C. PROVIDE ACCESS PANELS OF SUFFICIENT SIZE WHERE REQUIRED.	
D. PROVIDE/MAINTAIN ACCESS TO BASE BUILDING EQUIPMENT ABOVE THE CEILING THAT MAY REQUIRE PERIODIC SERVICE OR MAINTENANCE.	
E. CONTRACTOR TO ENGAGE A STRUCTURAL ENGINEER TO VERIFY AND SIGN OFF ON STRUCTURAL CAPACITY OF ALL MECHANICAL COMPONENTS (INCLUDE DUCT, DIFFUSERS, GRILLES, FANS, MAIL HOODS, ETC.) INCLUDING ANCHORAGE AND SEISMIC RESTRAINT. SUBMIT SUPPORTING SCHEDULES.	
F. CONTRACTOR TO PROVIDE MINIMUM 10' 0" SEPARATION FROM INTAKE AND EXHAUST AIR DUCTS AND 12' 0" SEPARATION FROM INTAKE AIR TO PLUMBING VENT.	
G. ALL SUPPLY AIR & RETURN AIR DUCTS SHALL BE THERMALLY INSULATED AS PER ASHRAE 90.1-2019 (TABLE 6.8.2).	
H. PROVIDE ACCESS PANEL TO MOTORIZED DAMPERS, BALANCING DAMPERS AND MECHANICAL EQUIPMENT FOR MAINTENANCE AND SERVICE.	
I. DUCT SIZES ARE ALLOWED TO ALTERED IF THERE IS LESS CEILING SPACE AVAILABLE. ENSURE TO KEEP THE VOLUME AS PER DRAWINGS.	
J. CONTRACTOR TO CONDUCT LEAKAGE TEST ON WELDED GREASE DUCT PRIOR COVERING AS PER ASHRAE STANDARD 134 & NFPA 96. LEAKAGE TEST SHALL BE PERFORMED BY SEALING THE GREASE DUCT FROM THE HOOD EXHAUST OPENING TO GREASE DUCT TERMINATION ONCE THE TEST IS COMPLETED. CONTRACTOR SHALL PROVIDE THE LETTER CONFIRMING THE TEST RESULTS.	

SUBSTANTIAL COMPLETION CHECKLIST	
A. AIR BALANCING REPORT AND COMMISSIONING REPORT PREPARED BY CERTIFIED AIR BALANCING TECHNICIAN. SYSTEM SHALL BE BALANCED TO $\pm 10\%$.	
B. SUPPORTING SHEET UESB & SC FROM A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER SIGNING OFF FOR STRUCTURAL CAPACITY OF ALL MECHANICAL COMPONENTS (INCLUDE DUCT, DIFFUSERS, GRILLES, FANS, MAIL HOODS, ETC.) INCLUDING ANCHORAGE AND SEISMIC RESTRAINT.	
C. GREASE DUCT LEAK TEST CERTIFICATE FROM RED SEAL HVAC TRADE AND THEIR CURRENT INSURANCE. LEAKAGE TEST REPORT ON TO ENSURE WELDED JOINTS AND SEAMS ARE LIQUID TIGHT.	

GREASE DUCT LEAKAGE TEST	
AQUAVOLT ENGINEERING WILL NEED TO WITNESS WATER PRESSURE LEAKAGE TEST ON ALL GREASE DUCTS TO ENSURE THERE IS NO LEAKAGE IN THE GREASE DUCT AND SEAMS/JOINTS ARE LIQUID TIGHT. CONTRACTOR TO GIVE ONE WEEK NOTICE TO AQUAVOLT ENGINEERING PRIOR TO ARRANGING THE WATER PRESSURE LEAKAGE TEST.	

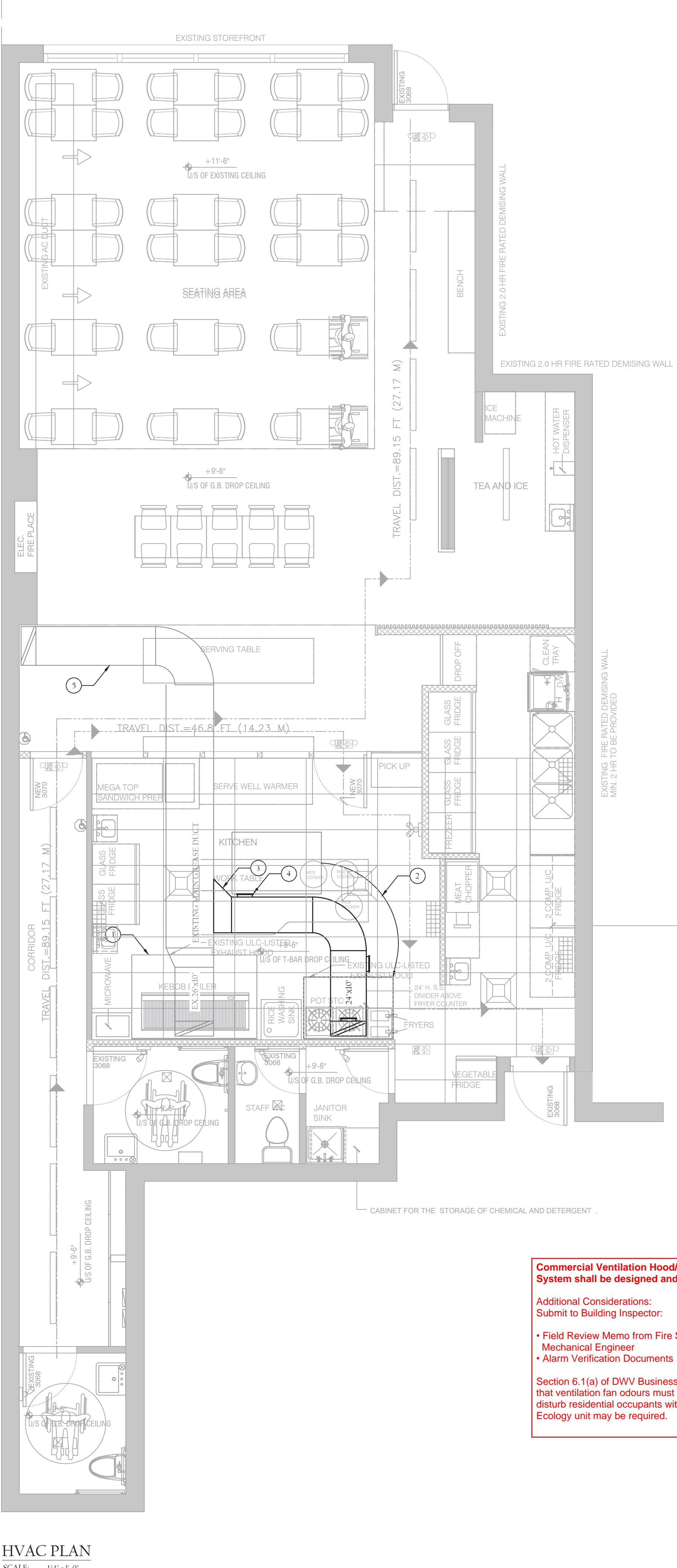
KEYED NOTES	
① APPROXIMATE LOCATION OF EXISTING LISTED COMMERCIAL KITCHEN HOOD TO REMAIN AS IT IS. CONTRACTOR TO VERIFY THE LOCATION, ORIENTATION, SPECIFICATIONS AND SYSTEM OPERATION PRIOR TO COMMENCING NEW WORK.	
② RELOCATED EXISTING LISTED COMMERCIAL KITCHEN HOOD AS SHOWN. CONTRACTOR TO VERIFY THE LOCATION, ORIENTATION, SPECIFICATIONS AND SYSTEM OPERATION PRIOR TO COMMENCING NEW WORK.	
③ CONNECT NEW 24"x10' GREASE DUCT FROM EXISTING KITCHEN HOOD TO EXISTING MAIN GREASE DUCT. REFER HOOD ELEVATION DETAIL.	
④ NEW ACCESS PANEL FOR INSPECTION AND CLEANING PURPOSES AT ANY CHANGE OF DIRECTION AT 12 FT INTERVALS ON HORIZONTAL DUCT & EVERY LEVEL/STORY ON VERTICAL DUCT. TYPICAL OF ALL. MINIMUM 3 FT CLEARANCE REQUIRED IN FRONT.	
⑤ EXISTING MAIN GREASE DUCT TO REMAIN AS IT IS. CONTRACTOR TO VERIFY DUCT RUN TO EXISTING EXHAUST FAN LOCATED ON THE ROOF. CONTRACTOR TO REPORT BACK ANY DISCREPANCIES TO CONSULTANT, COORDINATE WORK WITH GENERAL CONTRACTOR AS REQUIRED.	



RECEIVED

FEB 29 2024

District of West Vancouver
Permits Dept.

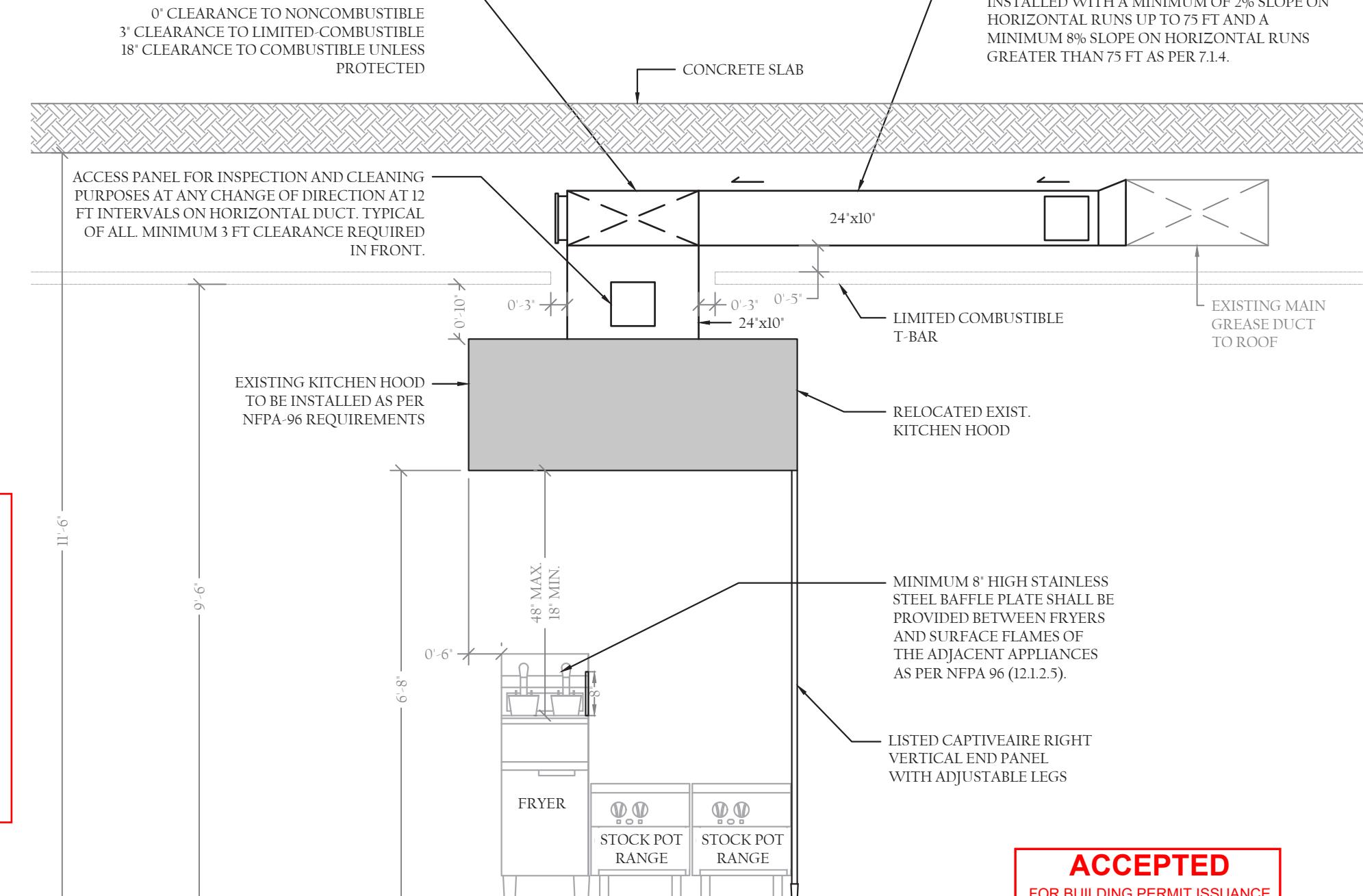
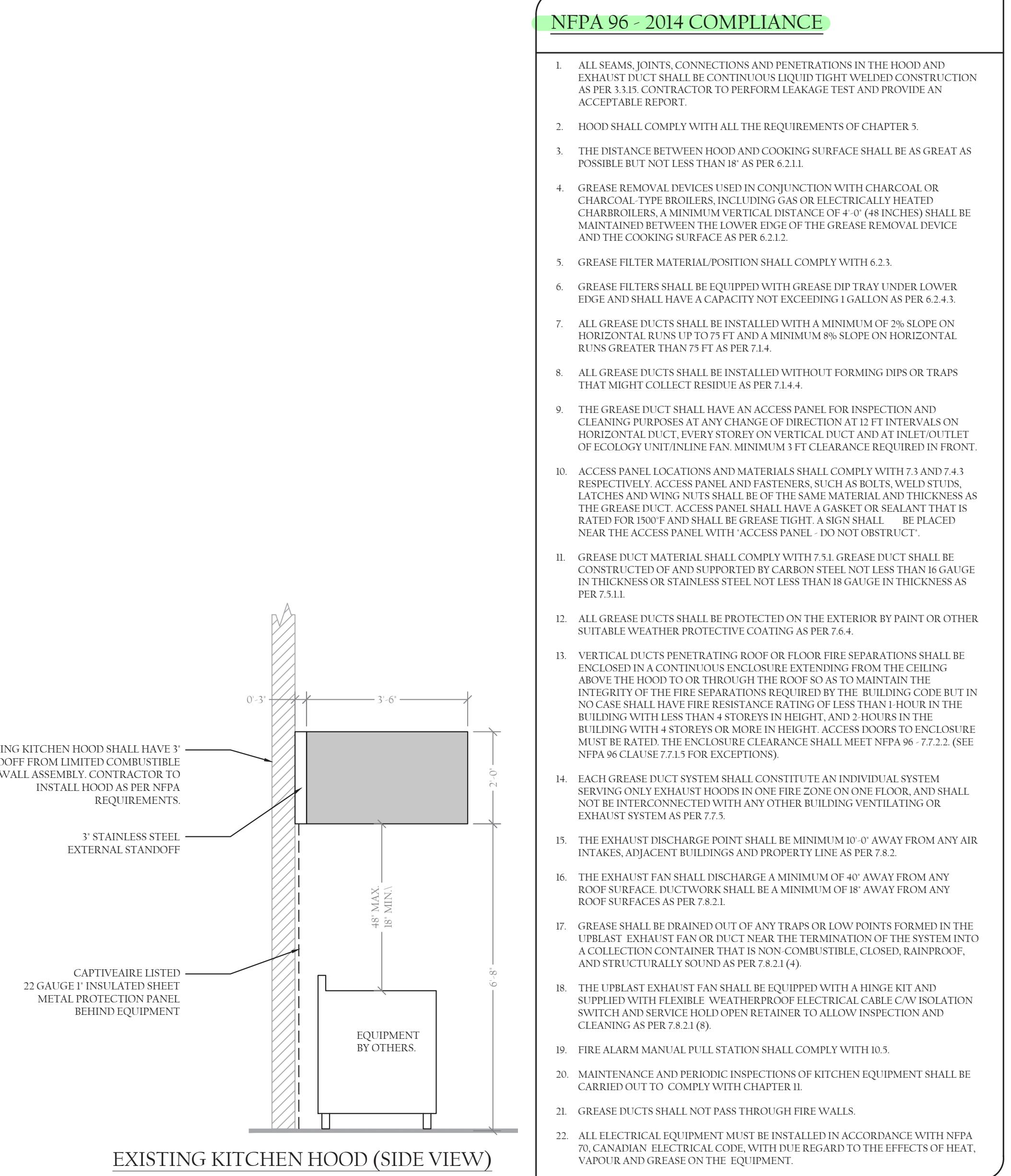


Commercial Ventilation Hood/Fire Suppression System shall be designed and installed to NFPA 96

Additional Considerations:
Submit to Building Inspector:

- Field Review Memo from Fire Suppression & Mechanical Engineer
- Alarm Verification Documents

Section 6.1(a) of DVW Business Licence Bylaw states that ventilation fan odours must not be allowed to disturb residential occupants within close proximity. Ecology unit may be required.



EXISTING KITCHEN HOOD (FRONT VIEW)

SCALE: 1/2'-0"

ACCEPTED
FOR BUILDING PERMIT ISSUANCE
BP119005

These drawings to be available on site
PERMITS & INSPECTIONS DEPT.
DISTRICT OF WEST VANCOUVER

Aquavolt Engineering Ltd.
CONSULTING MECHANICAL AND ELECTRICAL ENGINEERS
A: Unit 202 - 828 Harbourside Drive, North Vancouver, BC
E: info@aquavolt.ca
P: (778) 360-2153
www.aquavoltengineering.ca

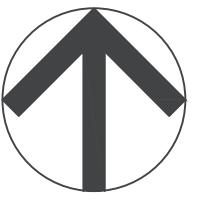
COPYRIGHT RESERVED. THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED, OR REVISED WITHOUT WRITTEN CONSENT OF AQUAVOLT ENGINEERING LTD. THE DRAWINGS ARE NOT TO BE SCALED

CONTRACTOR:

MANSOUR
PEOPLE BUILD DESIGN

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7B 1B3
WWW.MANSOURDESIGN.COM

KEY PLAN



CLIENT:

01 ISSUED FOR PERMIT 2024/02/26 AN
NO. DESCRIPTION DATE (YYYY/MM/DD) BY

PROJECT NAME AND ADDRESS:
GRAB AND GO PLUS RESTAURANT
1746 MARINE DRIVE,
WEST VANCOUVER, BC

TITLE:
HVAC PLAN & HOOD SECTION DETAILS

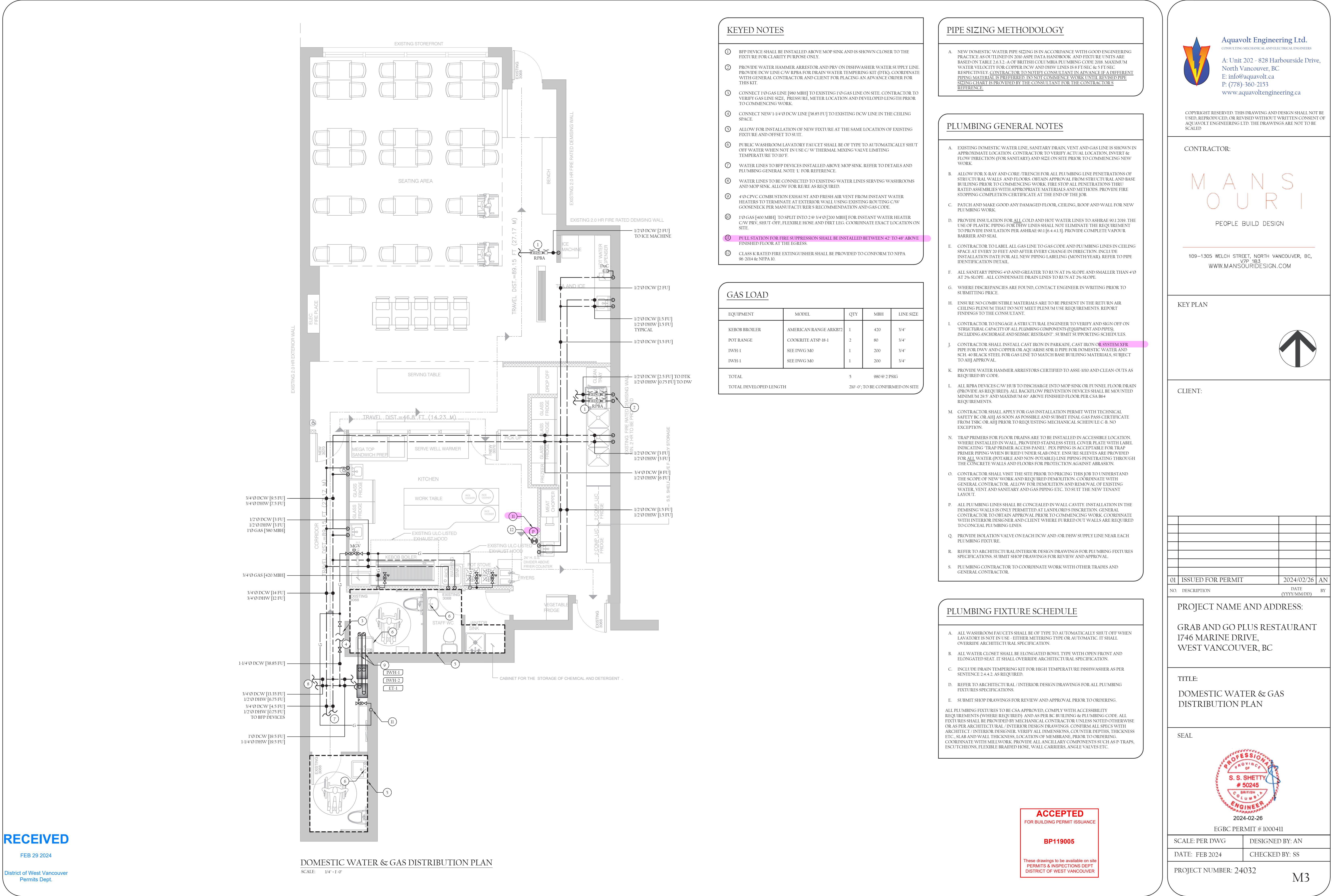
SEAL

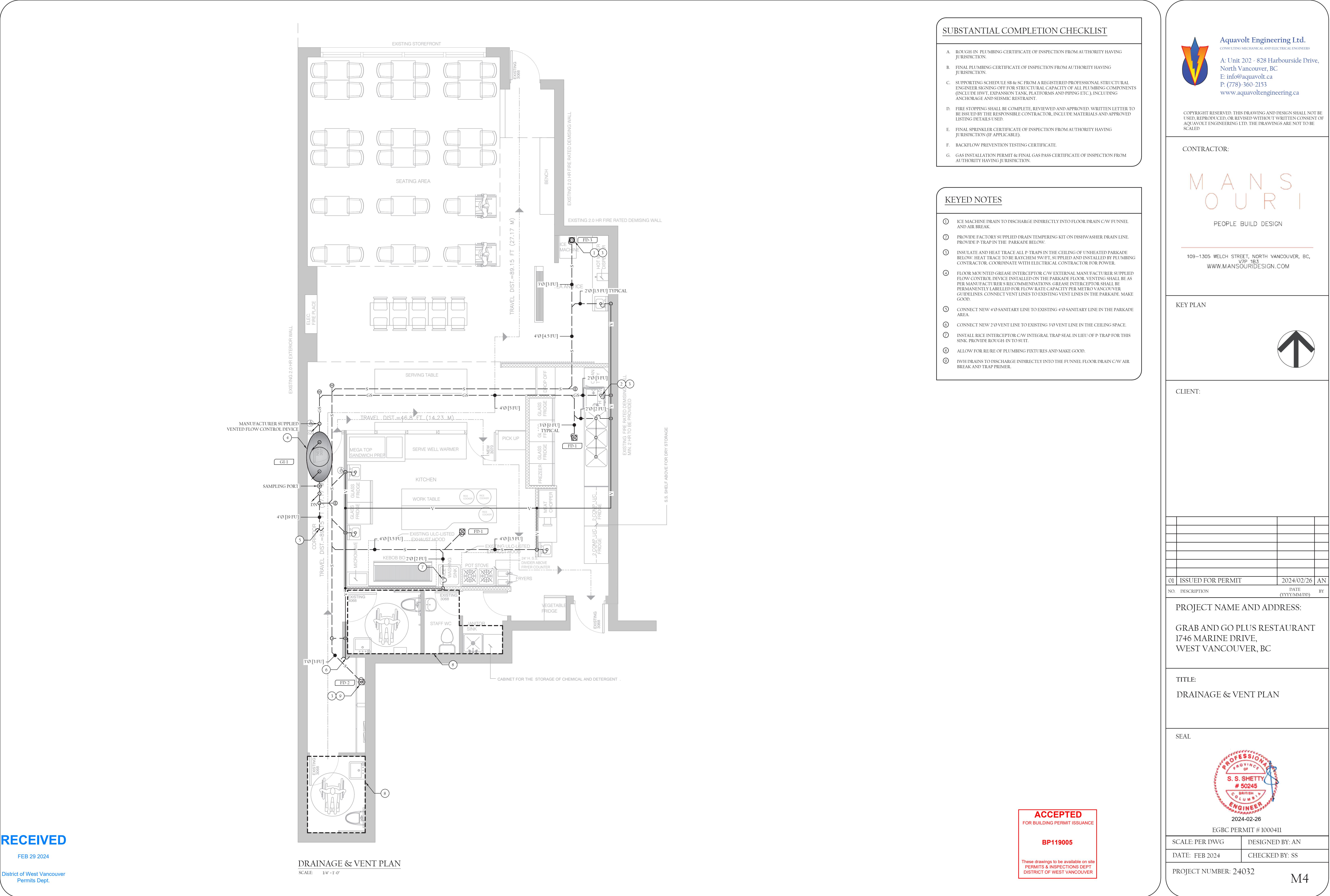


EGBC PERMIT # 1000411
SCALE: PER DWG DESIGNED BY: AN

DATE: FEB 2024 CHECKED BY: SS

PROJECT NUMBER: 24032 M1





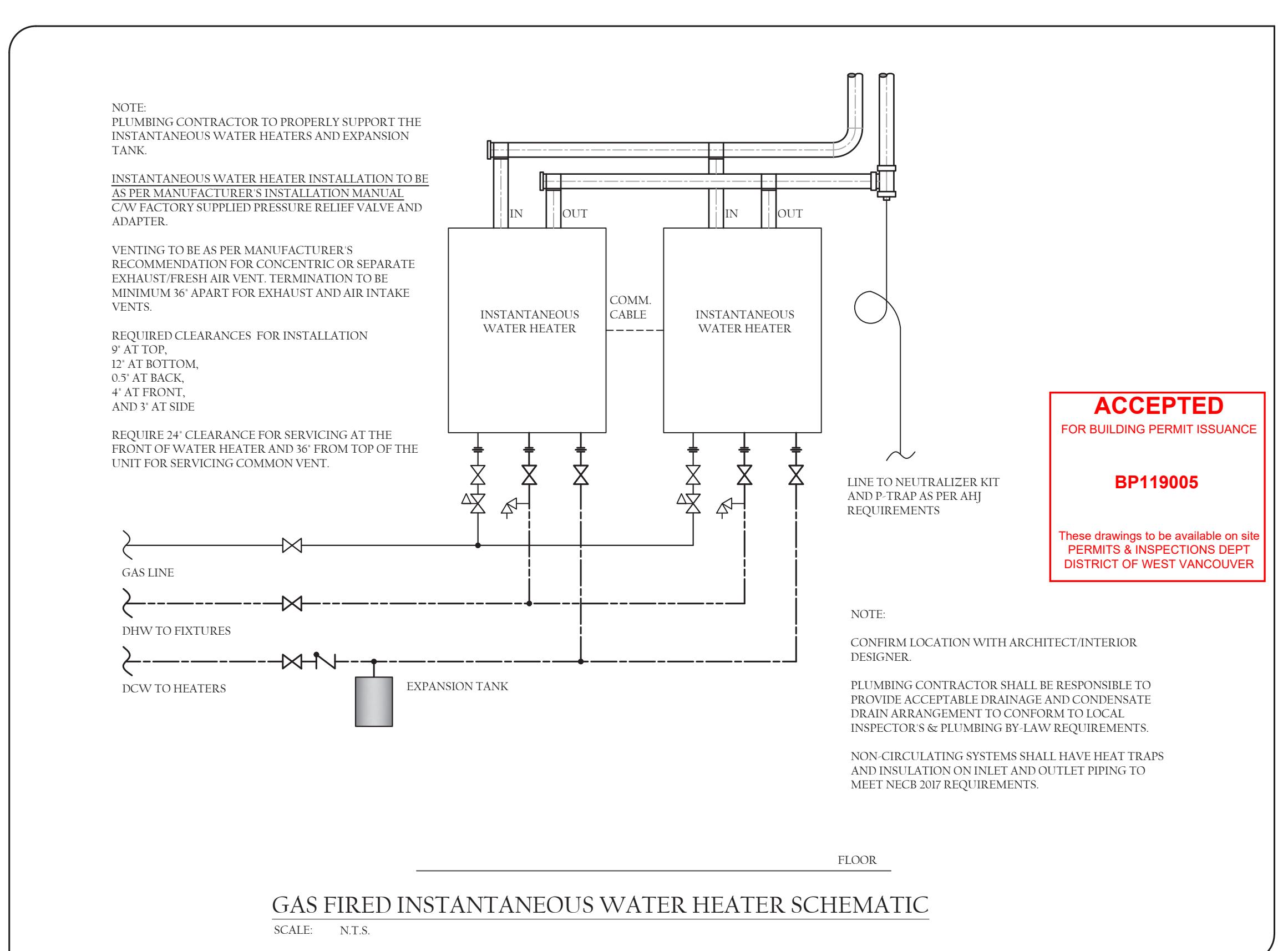
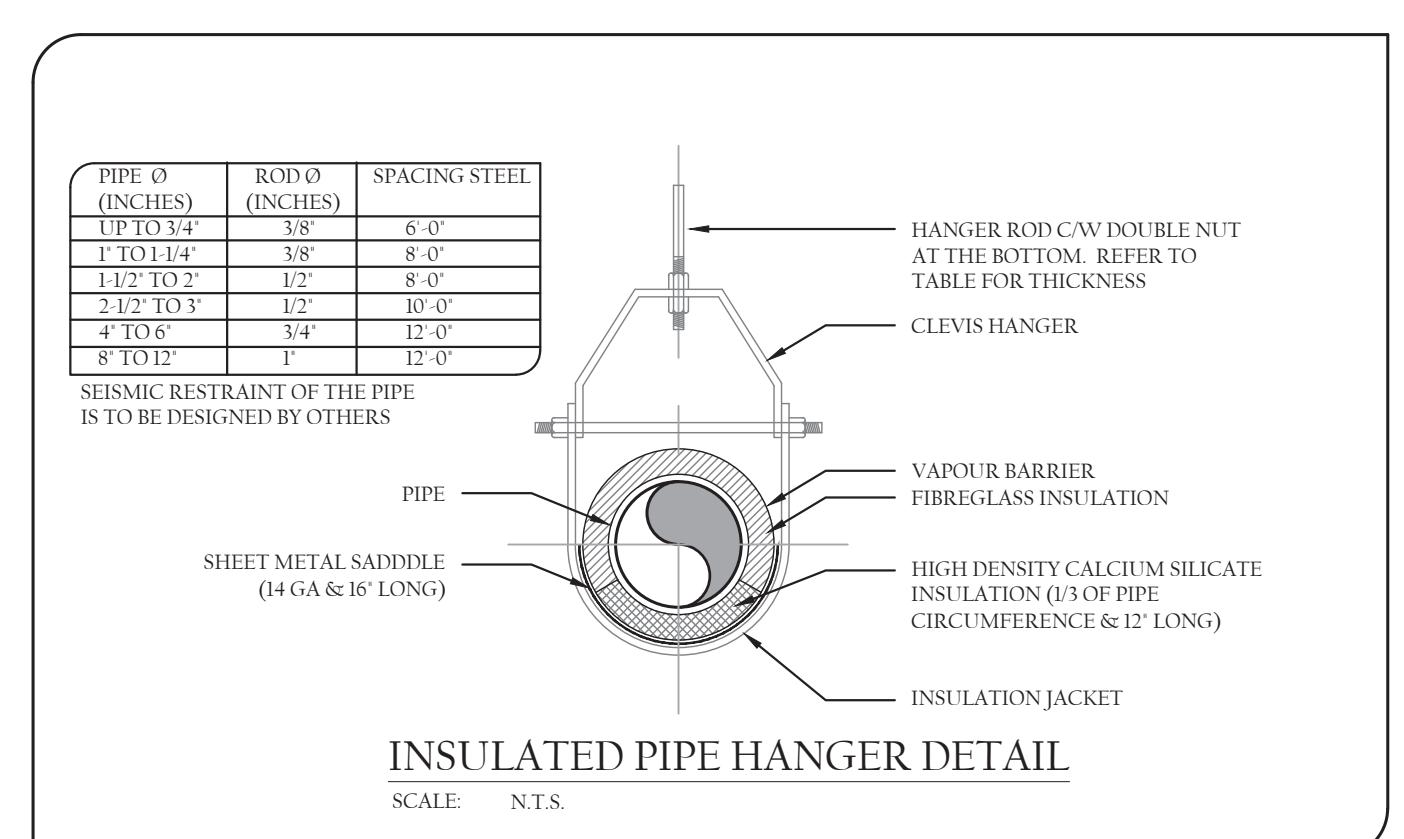
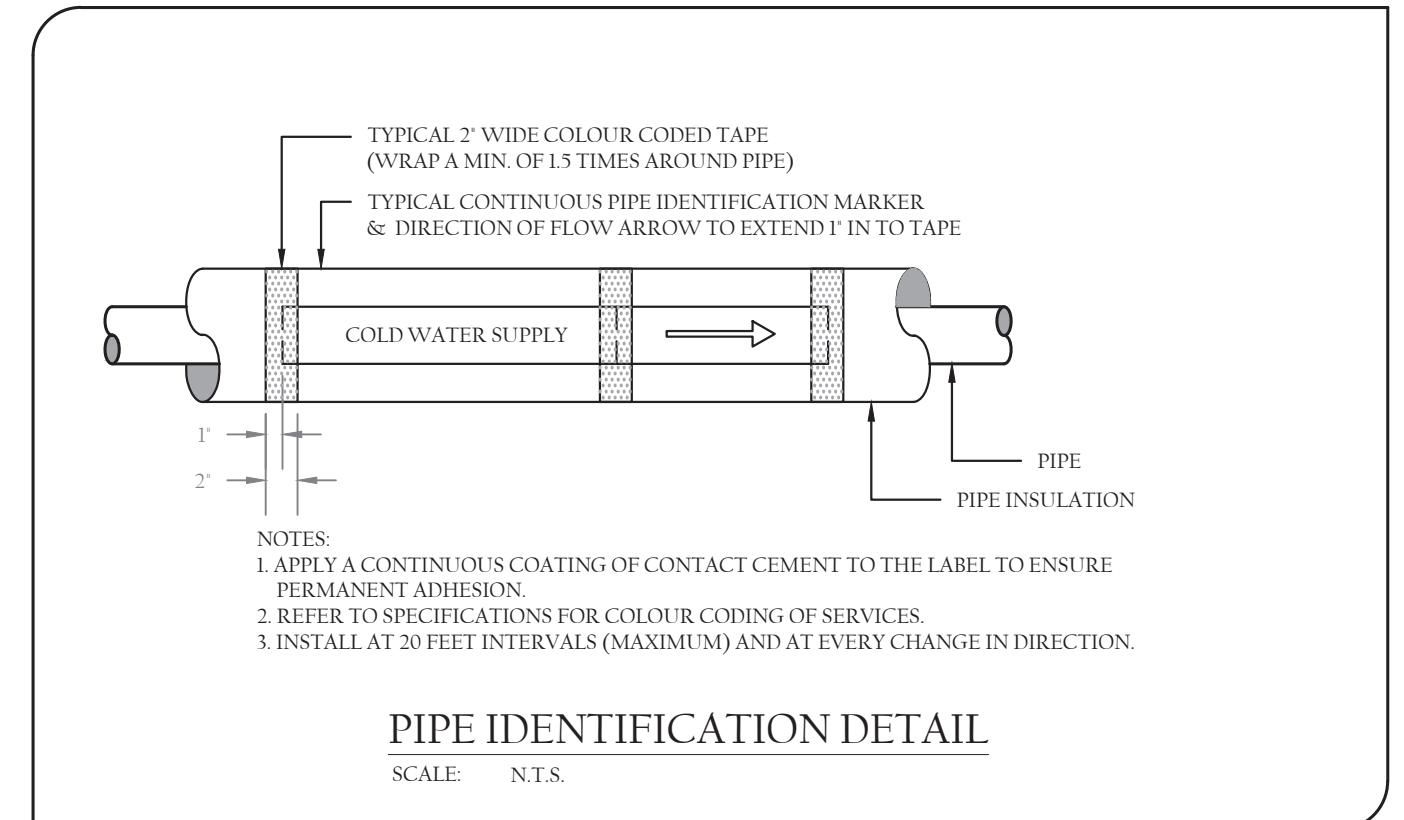
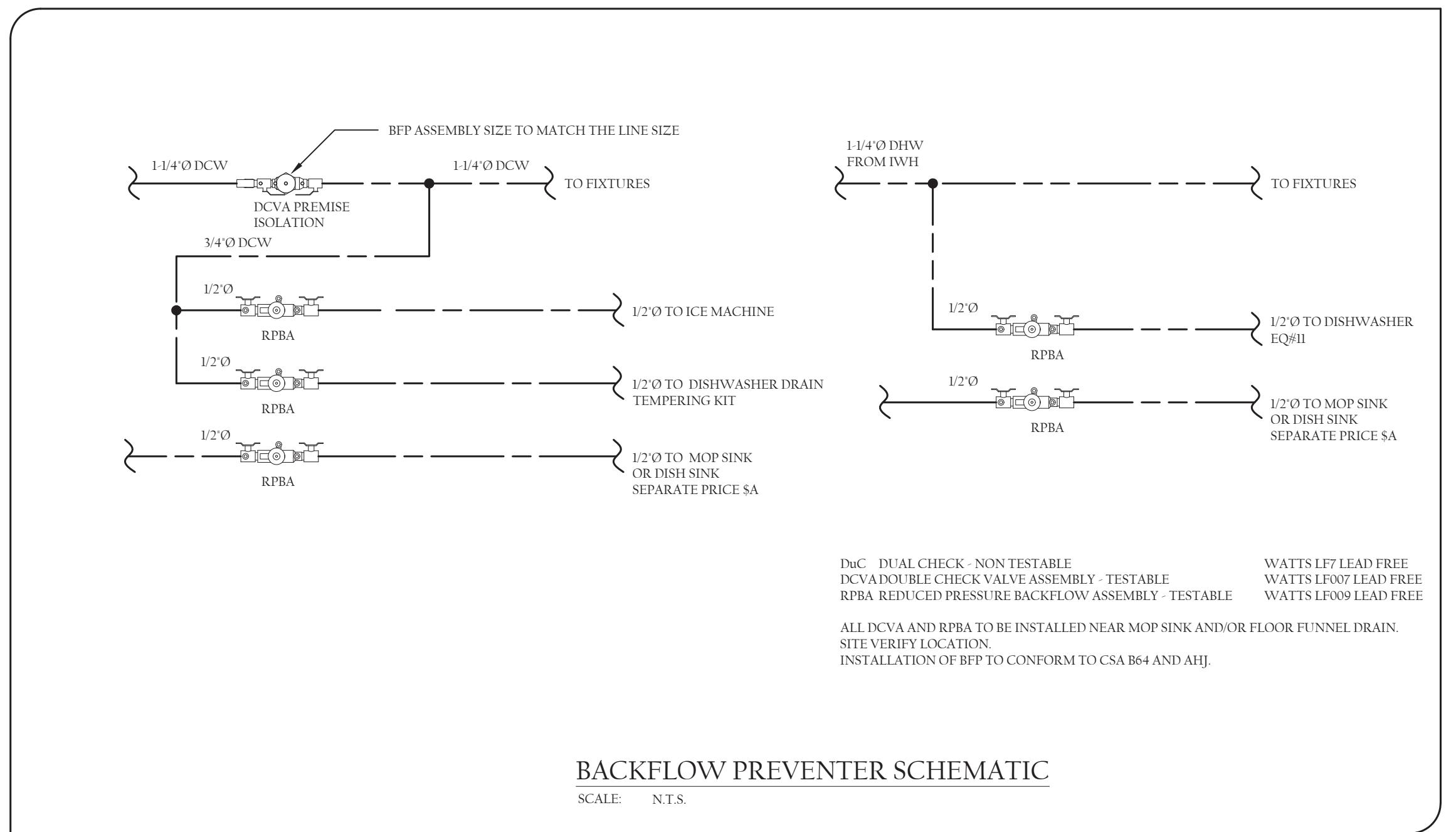
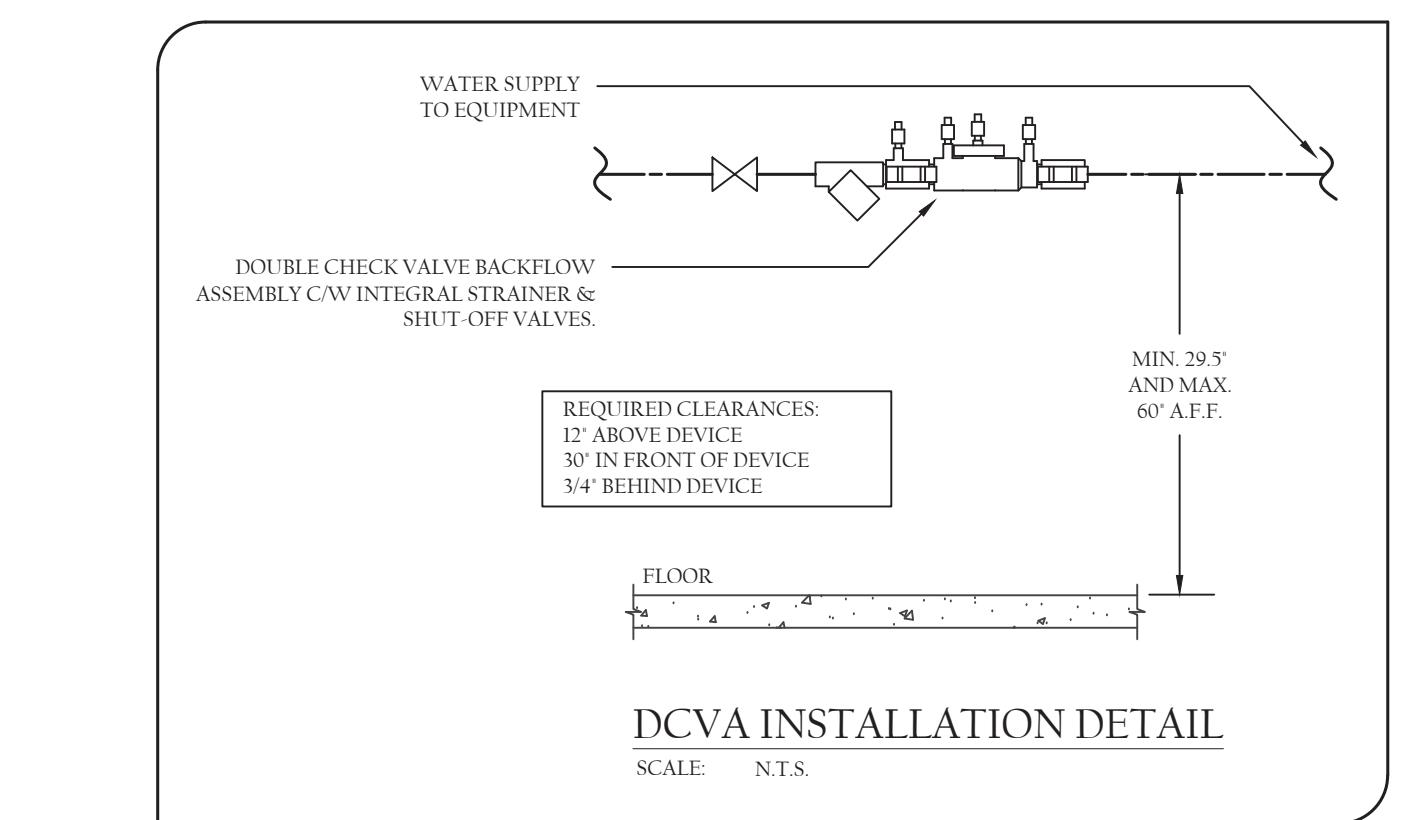
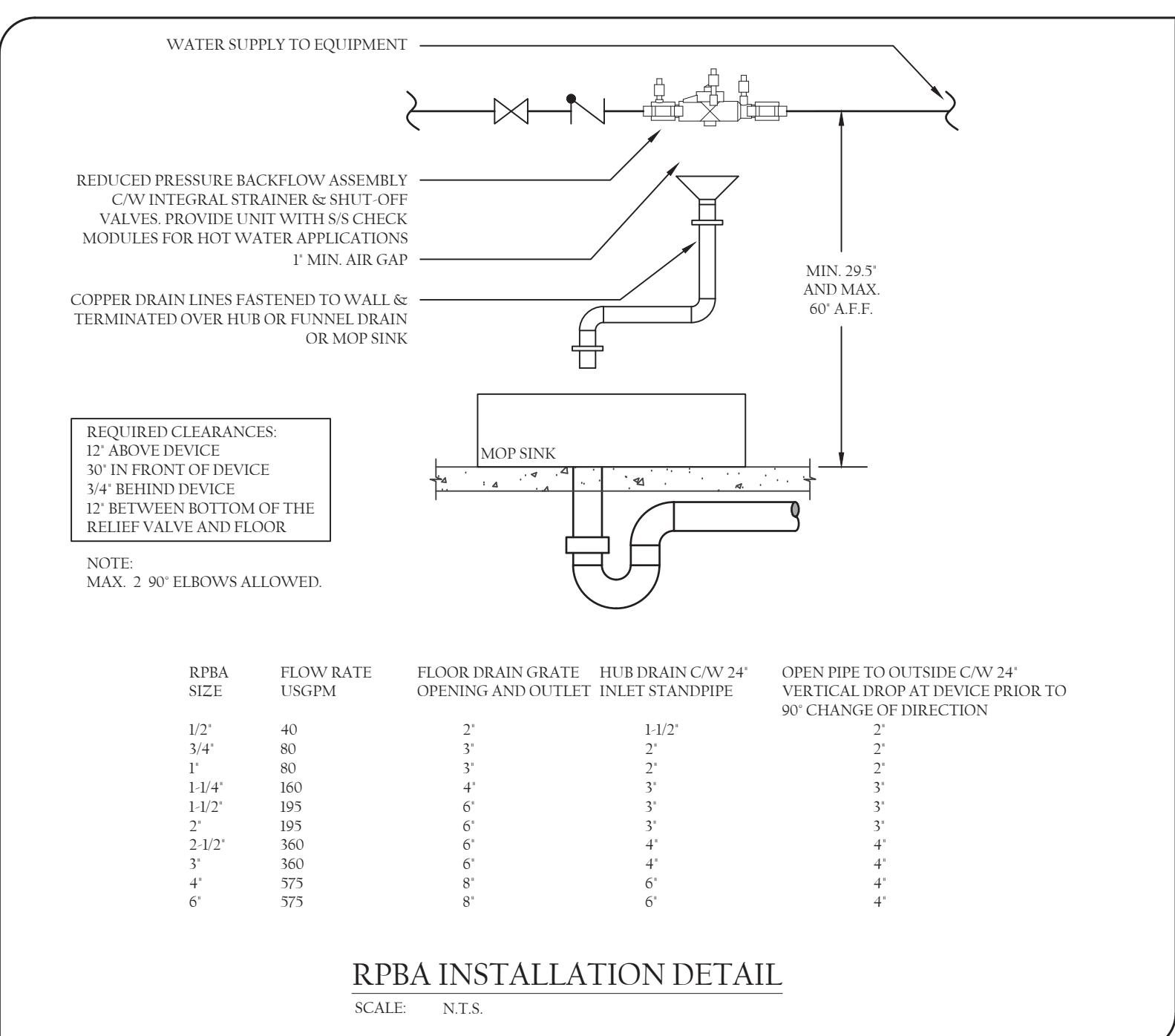
CONTRACTOR:

MANSOURI
PEOPLE BUILD DESIGN

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7P 1B3
WWW.MANSOURIDESIGN.COM

KEY PLAN

CLIENT:



MECHANICAL SPECIFICATIONS

1.0 GENERAL REQUIREMENTS AND STANDARDS:

- RECOMMENDED MAINTENANCE PRACTICES AND PRECAUTIONS
- COMPLETE WORKING AND INSPECTION DRAWINGS
- 1.0.1. EXAMINE THE SITE AND DETERMINE ALL CONDITIONS AFFECTING THE WORK OF THIS DIVISION.
- 1.0.2. EACH CONTRACTOR, BEFORE TENDERING, SHALL EXAMINE ALL DRAWINGS, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL AND SHALL FAMILIARIZE THEMSELVES WITH THE BUILDING CONSTRUCTION AND FINISH IN ORDER THAT TENDER MAY INCLUDE EVERYTHING NECESSARY FOR THE PROPER COMPLETION OF THE WORK AND REPORT ANY DISCREPANCIES AT ONCE AND IN TIME FOR VERIFICATION AND CORRECTION.
- 1.0.3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT ANY MATERIAL AND EQUIPMENT BE BROUGHT INTO THE BUILDING IN SUCH A STATE AND SIZE AS TO NOT DAMAGE THE PLACES WHERE THEY ARE TO BE LOCATED AND TO BE SMALL ENOUGH TO BE HOISTED INTO THE BUILDING WITHOUT INFECTING ANY DRAINS, PATCHING, ETC., INVOLVED IN GETTING LARGE ASSEMBLIES INTO PLACE, SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- 1.0.4. SCOPE OF WORK:
- 1.0.5. COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE BUILDING CODE, ALL OTHER APPLICABLE CODES, REGULATIONS, BY LAWS, AND OFFICIAL STANDARDS ACCORDING TO THE REQUIREMENTS AND INTERPRETATIONS OF THE AUTHORITIES HAVING JURISDICTION. THESE CODES & STANDARDS CONSTITUTE AN INTEGRAL PART OF THESE SPECIFICATIONS IN CASE OF CONFLICT, THE CODES TAKE PRIORITY OVER THE CONTRACT DOCUMENTS.
- 1.0.6. SUPPLY ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES TO COMPLETE THE WORK OF THE MECHANICAL DIVISION AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.
- 1.0.7. ADJUST AND BALANCE THE SYSTEMS TO MAKE FULLY OPERATIONAL PRIOR TO TURN OVER TO THE OWNER.
- 1.0.8. AT TURN OVER TO THE OWNER, DEMONSTRATE THE SYSTEMS AND THEIR OPERATION TO THE OWNERS OPERATING PERSONNEL. PROVIDE DETAILED INSTRUCTIONS COMPLETE WITH MANUALS, WRITTEN DESCRIPTION AND SEMINARS.
- 1.0.9. OBTAIN WRITTEN ACCEPTANCE FROM THE OWNER THAT THE OWNER OPERATING PERSONNEL ARE FULLY CONVERSANT WITH ALL SYSTEMS.
- 1.0.10. PURPOSE OF THE DRAWINGS AND SPECIFICATIONS:
- 1.0.11. INFORMATION REQUIRED IN LAYING OUT THE WORK SHALL BE OBTAINED BY REFERENCE TO ALL CONTRACT DOCUMENTS.
- 1.0.12. DRAWINGS SHOW THE GENERAL LOCATION AND ROUTE OF EQUIPMENT, PIPING, DUCTWORK, ETC., BUT MAY NOT SHOW ALL NECESSARY OFF-SETS; IT IS THE INTENT, HOWEVER, THAT THE INSTALLATION BE NEAT, STRAIGHT, ETC., MAKING BEST USE OF THE SPACE, CONSERVING HEADROOM AND PROVIDING SPACE FOR FURRING.
- 1.0.13. THE CONTRACTOR IS TO REVIEW THE LOCATIONS FOR ALL MECHANICAL SYSTEMS AND EQUIPMENT PRIOR TO INSTALLATION AND COORDINATE WITH ALL OTHER TRADES. CONFLICTS THAT CANNOT BE RESOLVED THROUGH SITE COORDINATION SHOULD BE IDENTIFIED AND REFERRED TO THE MECHANICAL CONSULTANT PRIOR TO INSTALLATION.
- 1.0.14. CONFIRMATION OF INSTALLATION: CONTRACTOR SHALL PROVIDE WRITTEN/EMAIL CONFIRMATION TO THE DESIGN ENGINEER FOR SITE REVIEWS ON THE FOLLOWING:
- 1.0.15. THE DATE OF UNDERGROUND PIPING COMPLETION START FOR INSTALLATION OF MECHANICAL, PLUMBING AND FIRE SUPPRESSION SYSTEMS.
- 1.0.16. THE DATE OF UNDERGROUND PIPING COMPLETION PRIOR TO BACKFILLING. PRESSURE TEST SHOULD BE APPLIED AT THIS PHASE. INFORM THE ENGINEER 2 WORKING DAYS PRIOR TO COMPLETION AND ARRANGE FOR A SITE REVIEW OF THE UNDERGROUND PIPING INSTALLATION PRIOR TO COVERING.
- 1.0.17. THE DATE OF COMPLETION OF PLUMBING AND SHEET METAL ROUGH IN. MECHANICAL SYSTEMS PARTICULARLY PLUMBING SYSTEMS, MUST NOT BE COVERED WITHOUT THE CONSENT OF THE ENGINEER. INFORM THE ENGINEER 2 WORKING DAYS PRIOR TO COMPLETION AND ARRANGE FOR A SITE REVIEW OF THE ROUGH IN INSTALLATION PRIOR TO COVERING.
- 1.0.18. THE DATE OF EQUIPMENT START: INFORM THE ENGINEER 2 WORKING DAYS PRIOR TO START DATE AND TIME.
- 1.0.19. THE DATE OF FINAL FINISHING: INFORM THE ENGINEER 2 WORKING DAYS PRIOR TO COMPLETION AND ARRANGE FOR A REVIEW OF THE INSTALLATION.
- 1.0.20. THE DATE OF TURN OVER TO THE OWNER.
- 1.0.21. REQUIREMENTS OF INSPECTION DEPARTMENTS:
- 1.0.22. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL BY LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION IN EACH CASE, PARTICULARLY ALL AFFECTED DEPARTMENTS OF THE MUNICIPALITY AND PROVINCE. ANYTHING NECESSARY TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS SHALL BE PROVIDED BY THIS CONTRACTOR WITHOUT AN ADDITIONAL CHARGE. THE CONTRACTOR IS TO COORDINATE WITH THE INSPECTION DEPARTMENT AS REQUIRED.
- 1.0.23. IN THE EVENT THAT THE INSPECTION DEPARTMENT REQUEST DEVIATIONS FROM THE ENGINEER'S LAYOUT, CONTRACTOR SHALL COMMUNICATE IT TO THE ENGINEER BEFORE PROCEEDING WITH THE SAME. IT SHALL BE NOTED THAT ENGINEER'S DRAWING ARE GENERALLY ACCEPTABLE TO INSPECTION DEPARTMENTS AND MINOR SUPPLEMENTS NEED ONLY BE MADE BY SUBCONTRACTORS.
- 1.0.24. PERMITS, CERTIFICATES AND FEES:
- 1.0.25. THIS CONTRACTOR SHALL PROVIDE ALL NOTICES, OBTAIN THE NECESSARY PERMITS AND PAY ALL FEES WHICH ARE REQUIRED TO COMPLETE THE WORK SPECIFIED HEREIN.
- 1.0.26. PROVIDE CERTIFICATE AS EVIDENCE THAT THE WORK INSTALLED CONFORMS TO THE CODES AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION. ALL CHARGES REQUESTED BY THE AUTHORITY SHALL BE MADE AT NO EXTRA CHARGE.
- 1.0.27. CODES, REGULATIONS & BYLAWS:
- 1.0.28. ALL WORK IS INTENDED TO COMPLY WITH THE LATEST APPLICABLE PROVINCIAL BUILDING REGULATIONS, LOCAL CODES AND CITY BYLAWS. IF THE DOCUMENT INDICATES CONSTRUCTION METHODS OR MATERIALS OF A LESSER STANDARD, THE WORK SHALL BE DONE TO CONFORM TO CODE STANDARDS. HOWEVER, IN NO INSTANCE SHALL THE STANDARDS ESTABLISHED BY THE DOCUMENTS BE REDUCED.
- 1.0.29. THE FOLLOWING CODES/REFERENCE STANDARDS SHALL BE APPLIED:

 - 2008 BRITISH COLUMBIA BUILDING CODE
 - 2008 BRITISH COLUMBIA PLUMBING CODE
 - 2008 BRITISH COLUMBIA FIRE CODE
 - MUNICIPAL BYLAWS
 - CSA/ULC STANDARDS
 - ASHRAE 62 - 2001
 - ASHRAE 90.1 - 2019
 - SMACNA STANDARDS

- 1.0.30. COORDINATION WITH CONSULTANTS:
- 1.0.31. OBTAIN CLARIFICATION FROM THE ENGINEER OR OTHER CONSULTANTS WHERE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS NOT CLEAR.
- 1.0.32. QUALITY OF MATERIALS AND WORKMANSHIP:
- 1.0.33. ALL THE MATERIALS AND EQUIPMENT SHOULD BE NEW, UNIFORM AND OF FIRST GRADE QUALITY. THEY SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHALL CONFORM TO ALL APPLICABLE CODES, FIRE CODES, REGULATIONS AND TO THE REQUIRED STANDARDS OF CSA, ULC, ETC. ASHRAE, ASME, NEPA, ASTM, CUA, CGA, ETC. WHERE THE LATEST EDITION SHALL APPLY, UNLESS IT IS RESTRICTED BY BUILDING CODE, EQUIPMENT AND MATERIAL NOT OF THIS STANDARD SHALL BE REMOVED AND REPLACED.
- 1.0.34. SUBMITTAL OF SHOP DRAWINGS:
- 1.0.35. ALL SHOP DRAWINGS MUST BE SUBMITTED FOR ALL EQUIPMENT AND SYSTEMS TO BE INSTALLED.
- 1.0.36. THE ENGINEER'S REVIEW OF SHOP DRAWINGS AND MANUFACTURER'S SPECIFICATIONS OF ANY EQUIPMENT IS GENERAL FOR PERFORMANCE AND IS NOT INTENDED TO SERVE AS A FINAL CHECK. THE ENGINEER'S REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ERRORS OR OF THE NECESSITY OF CHECKING THE DRAWING, OR OF FURNISHING ANY OF THE MATERIALS OR PERFORMING THE WORK REQUIRED BY THE DRAWINGS AND SPECIFICATIONS TO THE FULL INTENT OF THE CONTRACT DOCUMENTS.
- 1.0.37. THE GENERAL AND THE SUB-CONTRACTORS ARE TO REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMISSION TO THE CONSULTANT FOR REVIEW. CONTRACTOR REVIEWS SHALL BE BASED ON COMPLIANCE WITH DESIGN EQUIPMENT AND SPECIFIED ACCESSORIES (COMPLIANCE WITH APPROVED EQUIPMENT LIST, CAPACITY, DIMENSIONS, WEIGHT, POWER REQUIREMENTS, ETC.) THE CONTRACTOR SHALL FLAG, FOR APPROVAL DEVIATIONS FROM THE ORIGINALLY SPECIFIED EQUIPMENT, NO EQUIPMENT IS TO BE APPROVED UNTIL THE DRAWINGS HAVE BEEN REVIEWED AND APPROVED IF A SHOP DRAWING OF AN ALTERNATE APPROVED EQUIPMENT IS SUBMITTED AS BEING APPROVED THREE TIMES FOR FAILURE TO COMPLY WITH THE SPECIFICATIONS, THE CONTRACTOR WILL FURNISH THE ORIGINALLY SPECIFIED EQUIPMENT AT NO ADDITIONAL COST.
- 1.0.38. REFER TO THE ARCHITECTURAL/INTERIOR DESIGNERS DRAWINGS FOR ALL PLUMBING FIXTURES SPECIFICATIONS AND PRODUCE PLUMBING FIXTURE SHOP DRAWINGS.
- 1.0.39. GUARANTEE:
- 1.0.40. CONTRACTOR SHALL GUARANTEE ALL LABOR, MATERIALS, EQUIPMENT, WORKMANSHIP ETC. USED IN THE WORK TO BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS, OF BEST QUALITY AND EFFICIENT OPERATION UNDER THIS CONTRACT FOR A PERIOD OF 12 MONTHS AFTER FINAL ACCEPTANCE OF THE COMPLETED CONTRACT. ANY DEFECTS WHICH MAY APPEAR IN ANY OF THE WORK WITHIN ONE YEAR AFTER WRITTEN ACCEPTANCE OF WORK, SHALL BE REPAIRED AND REPLACED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- 1.0.41. EXTENDED WARRANTY AS PROVIDED BY SOME EQUIPMENT SUPPLIERS SHALL IN NO WAY BE VOIDED BY THIS CLAUSE.
- 1.0.42. FOREMAN'S SUPERVISION:
- 1.0.43. THE WORK SHALL BE CARRIED OUT UNDER THE CONTINUOUS SUPERVISION AND RESPONSIBILITY OF A COMPETENT FULL-TIME SUPERINTENDENT WITH EXPERIENCE IN WORK OF THIS CLASS AND SIZE.
- 1.0.44. MAINTENANCE OF A CLEAN AND SAFE PROJECT:
- 1.0.45. REMOVE ALL DEBRIS PERTAINING TO THIS PORTION OF THE CONTRACT, AT REGULAR INTERVALS TO MAINTAIN A CLEAN AND SAFE PROJECT.
- 1.0.46. ABIDE BY ALL PROVINCIAL AND FEDERAL SAFETY REGULATIONS.
- 1.0.47. UPON COMPLETION OF WORK, CONTRACTOR SHALL LEAVE PREMISES IN A BROOM-CLEAN CONDITION.
- 1.0.48. RECORD AS BUILT DRAWINGS:
- 1.0.49. PROVIDE THE OWNER WITH TWO SETS OF RECORD DRAWINGS.
- 1.0.50. SHOW CONDITIONS WITH RESPECT TO MATERIALS, SIZES, ROUTES AND LOCATIONS. PLOT LOCATIONS OF ACCESS DOORS, VALVES, DAMPERS ETC.
- 1.0.51. RECORD ACCURATELY ALL UNDERGROUND PIPING, DUCTWORK, ETC., SHOWING INVERT ELEVATIONS, CLEAN OUTS, ETC.
- 1.0.52. CONTRACTOR SHALL MAINTAIN ALL BUILTS DURING CONSTRUCTION AND MAY BE CHECKED BY THE ENGINEER.
- 1.0.53. RECORD DRAWING MUST BE CLEARLY LABELED AS SUCH, WITH NAME OF COMPANY WHO COMPLETED THE WORK AND THE DATE INCLUDED. RECORD DRAWINGS NOT COMPLETED TO INDUSTRY STANDARD AND TO THE SATISFACTION OF THE ENGINEER WILL BE REJECTED.
- 1.0.54. PROVIDE ONE FULL SIZE HARD COPY AND SOFT COPY PDF OF RECORD DRAWINGS TO THE LANDLORD.
- 1.0.55. OPERATING AND MAINTENANCE MANUALS AND INSTRUCTIONS.
- 1.0.56. PREPARE THREE COMPLETE SETS OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR THE MECHANICAL EQUIPMENT AND SYSTEMS AND PRESENT FOR APPROVAL TO THE ARCHITECT AT LEAST ONE MONTH PRIOR TO PROJECT COMPLETION. THESE SHALL INCLUDE:

 - GENERAL ARRANGEMENT SHOP DRAWINGS
 - COMPLETE EXPLANATION OF OPERATING PRINCIPLES AND SEQUENCES
 - COMPLETE PART LISTS WITH NUMBERS.

- 1.0.57. ALL DUCT INSULATION SHALL BE CONTINUOUS THROUGHOUT WALL AND CEILING OPENINGS AND SLEEVES.

- 2.1.5. JACKETS, COVERINGS, SEALANTS, ADHESIVES, ETC SHALL HAVE SMOKE DEVELOPED RATING NOT EXCEEDING 50 AND FLAME SPREAD RATINGS NOT EXCEEDING 25.

(FILTERED AND UNFILTERED)

- 2.1.6. INSULATION WITH ALL SERVICE JACKETS SEAL ALL EXPOSED ENDS WITH VAPOUR BARRIER MASTIC.



Aquamolt Engineering Ltd.
CONSULTING MECHANICAL AND ELECTRICAL ENGINEERS
A: Unit 202 - 828 Harbourside Drive,
North Vancouver, BC
E: info@aquamolt.ca
P: (778) 360-2153
www.aquamoltengineering.ca

COPYRIGHT RESERVED. THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED, OR REVISED WITHOUT WRITTEN CONSENT OF AQUAMOLT ENGINEERING LTD. THE DRAWINGS ARE NOT TO BE SCALED

CONTRACTOR:

MANSOUR
PEOPLE BUILD DESIGN

109-1305 WELCH STREET, NORTH VANCOUVER, BC,
V7H 1B5
WWW.MANSOURDESIGN.COM

KEY PLAN

CLIENT:

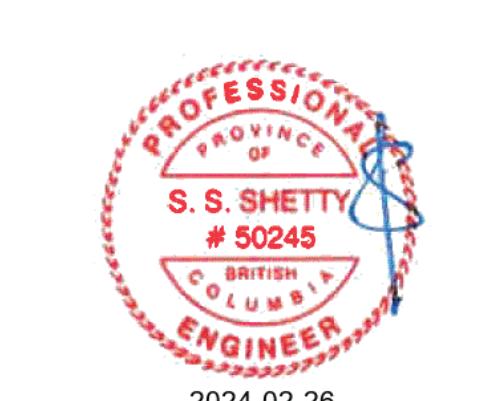
01	ISSUED FOR PERMIT	2024/02/26	AN
NO.	DESCRIPTION	DATE (YYYY/MM/DD)	BY

PROJECT NAME AND ADDRESS:
GRAB AND GO PLUS RESTAURANT
1746 MARINE DRIVE,
WEST VANCOUVER, BC

TITLE:

MECHANICAL SPECIFICATIONS

SEAL



2024-02-26
EGBC PERMIT # 1000411

SCALE: PER DWG | DESIGNED BY: AN

DATE: FEB 2024 | CHECKED BY: SS

PROJECT NUMBER: 24032

M6

ACCEPTED
FOR BUILDING PERMIT ISSUANCE
BP119005
RECEIVED
FEB 29 2024
These drawings to be available on site
PERMITS & INSPECTIONS DEPT
DISTRICT OF WEST VANCOUVER
Permits Dept.