



FATBURGER: CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

PROJECT INFORMATION

22.1872 FATBURGER CHILLIWACK MALL

MUNICIPAL ADDRESS: UNIT # B1  
45610 LUCKAKUCK WAY CHILLIWACK, BC,  
V2R 1A2

LEGAL DESCRIPTION: PARCEL IDENTIFIER: 030-025-427  
LOT A DISTRICT LOT 259, GROUP 2 NEW  
WESTMINSTER DISTRICT, PLAN EPP60158  
EXCEPT PLAN EPP124038

UNIT AREA: 1,700 SQF. 157.95 SQM.

EXISTING OCCUPANCY: VACANT - FIRST TENANT

PROPOSED OCCUPANCY: GROUP A2 ASSEMBLY (RESTAURANT)

OCCUPANT LOAD: 42 PERSONS (36 SEATS, 6 STAFF)

DRAWING SHEET INDEX

ARCHITECTURAL

A0.0 PROJECT INFORMATION & SITE PLAN  
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A0.2 RESPONSIBILITY MATRIX  
A0.3 DOOR SCHEDULE, NOTES, DETAILS  
A1.0 EXISTING LAYOUT PLAN  
A2.0 CONSTRUCTION PLAN  
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A4.0 FURNITURE PLAN  
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A6.1 INTERIOR ELEVATIONS  
A7.0 UNISEX WASHROOM PLAN & ELEVATIONS  
A7.1 BARRIER FREE NOTES & DETAILS  
A8.0 WALL SECTIONS

MECHANICAL

M000 MECHANICAL COVER PAGE  
M101 FLOOR PLAN - DRAINAGE  
M201 FLOOR PLAN - PLUMBING  
M301 FLOOR PLAN - HVAC  
M401 FLOOR PLAN - FIRE PROTECTION  
M501 ROOF PLAN - MECHANICAL  
M601 MECHANICAL SCHEDULES  
M701 MECHANICAL DETAILS  
M801 MECHANICAL SPECIFICATION

ELECTRICAL

E100 ELECTRICAL COVER PAGE  
E101 FLOOR PLAN LIGHTING  
E201 FLOOR PLAN - POWER AND AUXILIARY  
E301 ROOF PLAN - ELECTRICAL  
E401 ELECTRICAL SCHEDULES AND DETAILS  
E402 ELECTRICAL SCHEDULES AND DETAILS  
E501 ELECTRICAL SPECIFICATIONS

STRUCTURAL  
DRAWING LIST

KITCHEN

K-1 EQUIPMENT PLAN  
K-2 EQUIPMENT SCHEDULES

PROJECT TEAM

INTERIOR DESIGN ARCHITECT  
INTERICS DESIGN INC.  
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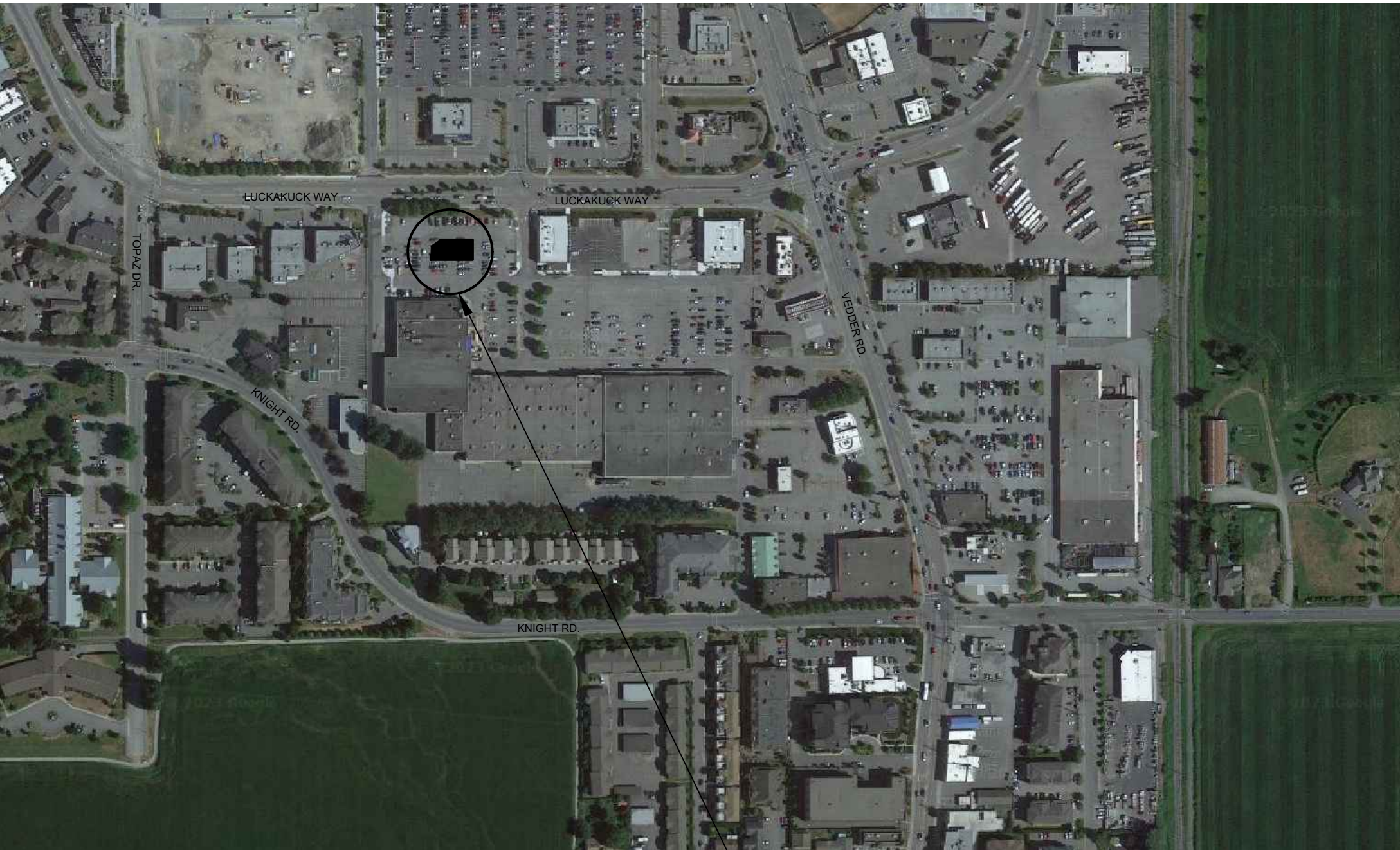
EMBE CONSULTING ENGINEERS  
121 15TH AVENUE, SE  
CALGARY, AB, T2G 1G1  
C. MOORTAZA BHAJJI  
P. 403-460-2277  
E. INFO@EMBECONSULTING.CA

GENERAL NOTES

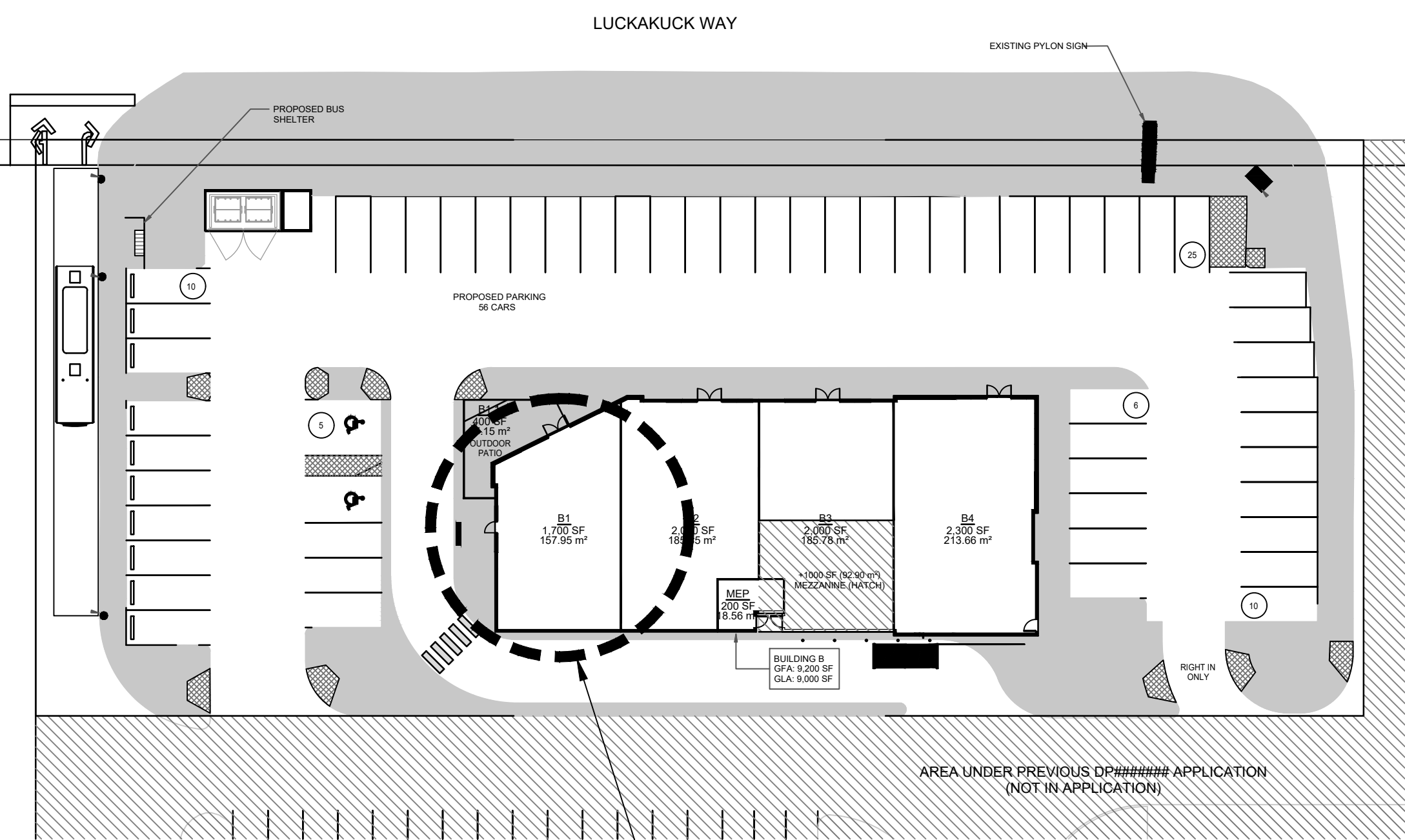
- THE GENERAL CONTRACTOR SHALL SUPPLY ALL MATERIALS & LABOR TO COMPLETE THIS PROJECT IN A FIRST CLASS MANNER TO THE ENTIRE SATISFACTION OF THE OWNER.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES & BY-LAWS & THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS, SCOPE OF DEMOLITION, AND OBTAIN SITE MEASUREMENTS.
- THE CONTRACTOR SHALL EXAMINE THE INTERIOR SITE CONDITIONS & REPORT ANY DISCREPANCIES OR QUERIES TO THE OWNER BEFORE STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTEGRAL STRUCTURE SOUNDNESS OF ALL ELEMENTS WITHIN THE SCOPE OF THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED ANCHORING, BLOCKING AND SECURING TO BASE BUILDING STRUCTURE.
- ALL WORK, FABRICATION & INSTALLATION SHALL BE CARRIED OUT BY QUALIFIED TRADESMAN IN A FIRST CLASS MANNER.
- IT IS THE CONTRACTORS RESPONSIBILITY TO SECURE APPROPRIATE APPROVALS & BUILDING PERMITS AS PERTAINING TO ITS JURISDICTION.
- NO CHANGES TO THE DESIGN SHALL BE MADE WITHOUT PERMISSION OF DESIGNER. NO SUBSTITUTIONS OR EQUALS WILL BE PERMITTED WITHOUT PRIOR DISCUSSION AND APPROVAL OF DESIGNER.
- GENERAL CONTRACTOR IS TO PROVIDE MAINTENANCE MANUALS, AIR BALANCE REPORT & SUBCONTRACTOR LIST TO OWNER AT THE END OF EACH PROJECT.
- CONTRACTORS SHALL COMPLY WITH THE RULES AND REGULATIONS FOR CONSTRUCTION WITHIN THE BUILDING AS SET OUT BY THE BUILDING OWNER.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS, AND WORK BETWEEN ALL TRADES SHALL BE COORDINATED.
- ENSURE THAT ALL WALLS RECEIVING MILLWORK HAVE ADEQUATE SUPPORT IN THE PARTITION.
- CONTRACTOR TO INSTALL ALL OWNER SUPPLIED DECORATIVE ITEMS INCLUDING ARTWORK, PICTURES ETC. AS PER DESIGNERS DIRECTION.
- PROJECT TO BE PROFESSIONALLY CLEANED - ALLOW FOR ONE RECLEAN AFTER SMALL WARES AND STOCKING HAVE BEEN COMPLETED.

BUILDING CODE ANALYSIS

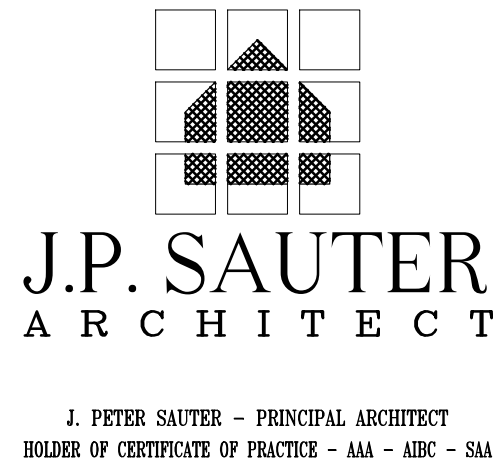
FATBURGER CHILLIWACK				PARCEL IDENTIFIER: 030-025-427			
BUILDING - B, 45610 LUCKAKUCK WAY				LOT A DISTRICT LOT 259, GROUP 2 NEW			
CHILLIWACK, BC, V2R 1A2				WESTMINSTER DISTRICT, PLAN EPP60158 EXCEPT PLAN EPP124038			
Item	BCBC 2018 (Data Matrix Parts 3)			BCBC 2018 Reference To Division B unless noted (A) for Division A or (C) for Division C			
BCBC 2018 DATA MATRIX BASED ON INFORMATION PROVIDED BY OWNER, FROM DRAWINGS PRODUCED BY CELSO STEPELMAN ARCHITECT INC.							
1	Project Description: UNIT AREA: 157.96 m <sup>2</sup>		<input checked="" type="checkbox"/> New <input type="checkbox"/> Addition	<input checked="" type="checkbox"/> Interior Alteration <input type="checkbox"/> Change of Use	<input checked="" type="checkbox"/> Part 3		
2	Major Occupancy(s) GROUP A2 ASSEMBLY - RESTAURANT				3.2.2.26		
	Major Occupancy(s)						
	Major Occupancy(s)						
	Major Occupancy(s)						
3	Building Area (m <sup>2</sup> )	Existing	761.8	New	N/A	Total 761.8	
4	"Project" Area	Existing	157.95	MEZZ.	N/A	Total 157.96	
5	Number of Storeys	Above grade 2		Below grade 0		3.2.1.1.	
6	Number of Streets/Fire Fighter Access			2 ETR		3.2.2.10 & 3.2.5	
7	Building Classification		Group A, Division 2, Up To 2 Storeys, Increased Area, Sprinklered Group E, Division 2, Up To 2 Storeys, Sprinklered			3.2.2.26 3.2.2.69	
8	Sprinkler System Proposed						
	<input checked="" type="checkbox"/> entire building		<input type="checkbox"/> basement		3.2.1.5		
	<input type="checkbox"/> selected compartments		<input type="checkbox"/> not required (existing)		3.2.2.18		
	<input type="checkbox"/> selected floor areas		<input type="checkbox"/> in lieu of roof rating				
9	Standpipe required	ETR <input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.5.8	
0	Fire Alarm required	ETR <input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.4.1(1)	
1	Water Service/Supply is Adequate	ETR <input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No		3.2.5.7	
2	High Building	ETR <input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		3.2.6.1	
3	Permitted Construction	<input type="checkbox"/> Combustible	<input type="checkbox"/> Non-combustible	<input checked="" type="checkbox"/> Both		3.2.2.24 Existing	
	Actual Construction	<input type="checkbox"/> Combustible	<input type="checkbox"/> Non-combustible	<input checked="" type="checkbox"/> Both		Non Conforming	
4	Occupant load based on		Occupancy A2 Load 68 persons		3.1.17.1 (1)		
	Assembly: 1.2 m <sup>2</sup> /person		Occupancy sign posted				
	Kitchen: 9.3 m <sup>2</sup> /person (w kitchen area is comprised of 35.4%)		36 Patrons + 6 Staff				
5	Barrier-free Design		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)		3.8.		
6	Hazardous Substances		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.3.1.2 & 3.3.1.20.		
7	Plumbing Fixture Requirements		Occupant Load 42	Fixtures Required 1 Male & 1 Female	Fixtures Provided 1 Female, 1 Male & 1 Universal WC	3.7.2.2.(6) 3.7.2.2.(A)	
8	Exit Width Capacity	Exit Door	Provide Width	Width Required per Person	Exit Capacity (Person)		
		North	1,828 mm	6.1 mm	300	3.4.3.2.(1)	
		West	914 mm	6.1 mm	150	3.4.3.2.(1)	
						3.4.3.2.(1)	
				Total	450		
9	Separation of Major Occupancies Required		<input checked="" type="checkbox"/> Yes Instances: A2-E (2HR)		<input type="checkbox"/> No		
10	Interior Finishes		3.1.3.1				
11	Portable Fire Extinguishers Required		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.2.5.16		
12	Emergency Power for Lighting Required		30 min.		3.2.7.4		
13	Means of Egress		3.3.1.3				
14	Door Swing		3.3.1.11				
15	Janitor's Rooms		1 hour Separation		3.3.1.21		
16	Access to Exit		3.4.1.3				
17	Minimum No. of Exits Required		1 but Supplied 2		3.4.2.1		
18	Minimum Distance Between Exits		9 M		3.4.2.3.		
19	Maximum location of Exits		25 M.		3.4.2.5		
20	Exit Signs Required		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.4.5		
21	Service Rooms		3.6.2				



1 LOCATION MAP  
A0.0 SCALE: N.T.S.



2 SITE PLAN  
A0.0 SCALE: N.T.S.



NO.	DATE	DESCRIPTION
A	NOV. 14, 2023	ISSUED FOR B.P.
B		
C		
D		
E		

ELECTRICAL / MECHANICAL ENGINEERS

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FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
PROJECT INFORMATION  
SITE PLAN, LOCATION MAP

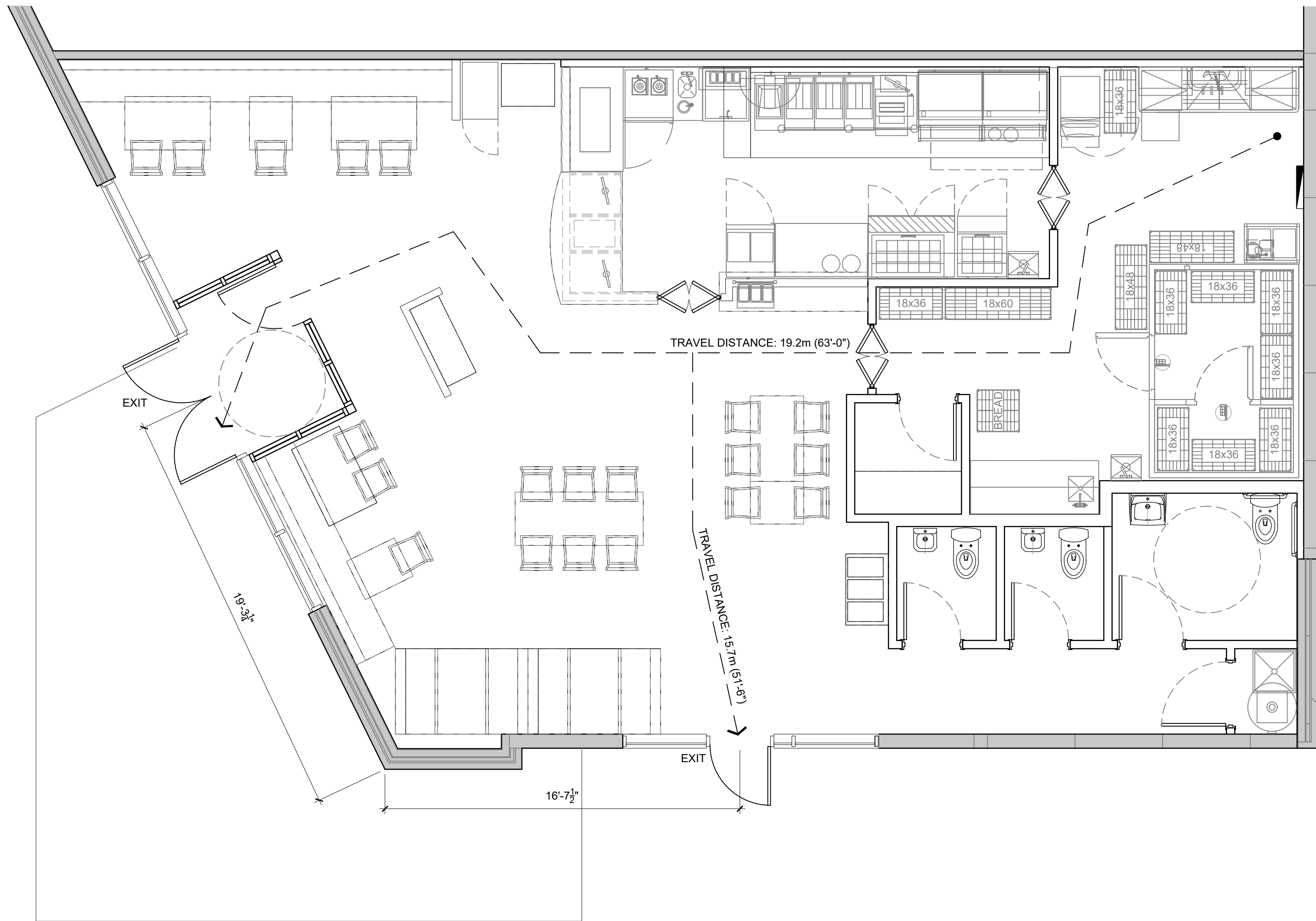
SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

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A0.0

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1  
A0.1 TRAVEL / EGRESS LAYOUT  
SCALE: 1/4" = 1'-0"

## TRAVEL DISTANCE NOTES

(TO CONFORM TO CBC 2018)

### 3.3.1.6. TRAVEL DISTANCE

1) IF MORE THAN ONE EGRESS DOORWAY IS REQUIRED FROM A ROOM OR SUITE REFERRED TO IN ARTICLE 3.3.1.5., THE TRAVEL DISTANCE WITHIN THE ROOM OR SUITE TO THE NEAREST EGRESS DOORWAY SHALL NOT EXCEED THE MAXIMUM TRAVEL DISTANCES SPECIFIED IN CLAUSES 3.4.2.5.(1)(A), (B), (C) AND (F) FOR EXITS.

### 3.4.2.1 MINIMUM NUMBER OF EXITS

- EXCEPT AS PERMITTED BY SENTENCES (2) TO (4), EVERY FLOOR AREA INTENDED FOR OCCUPANCY SHALL BE SERVED BY AT LEAST 2 EXITS.
- A FLOOR AREA IN A BUILDING NOT MORE THAN 2 STOREYS IN BUILDING HEIGHT, IS PERMITTED TO BE SERVED BY ONE EXIT PROVIDED THE TOTAL OCCUPANT LOAD SERVED BY THE EXIT IS NOT MORE THAN 60, AND
- a) IN A FLOOR AREA THAT IS NOT SPRINKLERED THROUGHOUT, THE FLOOR AREA AND THE TRAVEL DISTANCE ARE NOT MORE THAN THE VALUES IN TABLE 3.4.2.1.-A, OR
- b) IN A FLOOR AREA THAT IS SPRINKLERED THROUGHOUT
- i) THE TRAVEL DISTANCE IS NOT MORE THAN 25 M, AND
- ii) THE FLOOR AREA IS NOT MORE THAN THE VALUE IN TABLE 3.4.2.1.-B.

TABLE 3.4.2.1.-A  
CRITERIA FOR ONE EXIT (FLOOR AREA NOT SPRINKLERED THROUGHOUT)  
FORMING PART OF SENTENCE 3.4.2.1.(2)

OCCUPANCY OF FLOOR AREA	MAXIMUM FLOOR AREA M <sup>2</sup>	MAXIMUM TRAVEL DISTANCE, M
GROUP A	150	15
GROUP B	75	10
GROUP C	100	15
GROUP D	200	25
GROUP E	150	15
GROUP F, DIVISION 2	150	10
GROUP F, DIVISION 3	200	15

TABLE 3.4.2.1.-B  
CRITERIA FOR ONE EXIT (FLOOR AREA SPRINKLERED THROUGHOUT)  
FORMING PART OF SENTENCE 3.4.2.1.(2)

OCCUPANCY OF FLOOR AREA	MAXIMUM FLOOR AREA M <sup>2</sup>
GROUP A	200
GROUP B	100
GROUP C	150
GROUP D	300
GROUP E	200
GROUP F, DIVISION 2	200
GROUP F, DIVISION 3	300

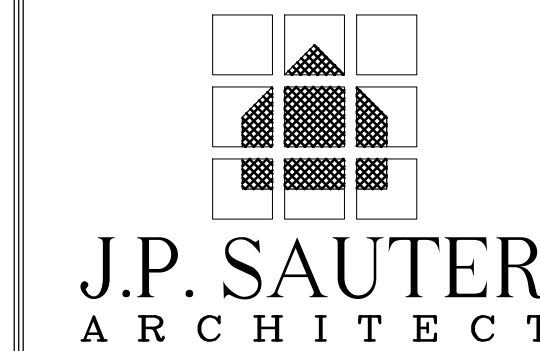
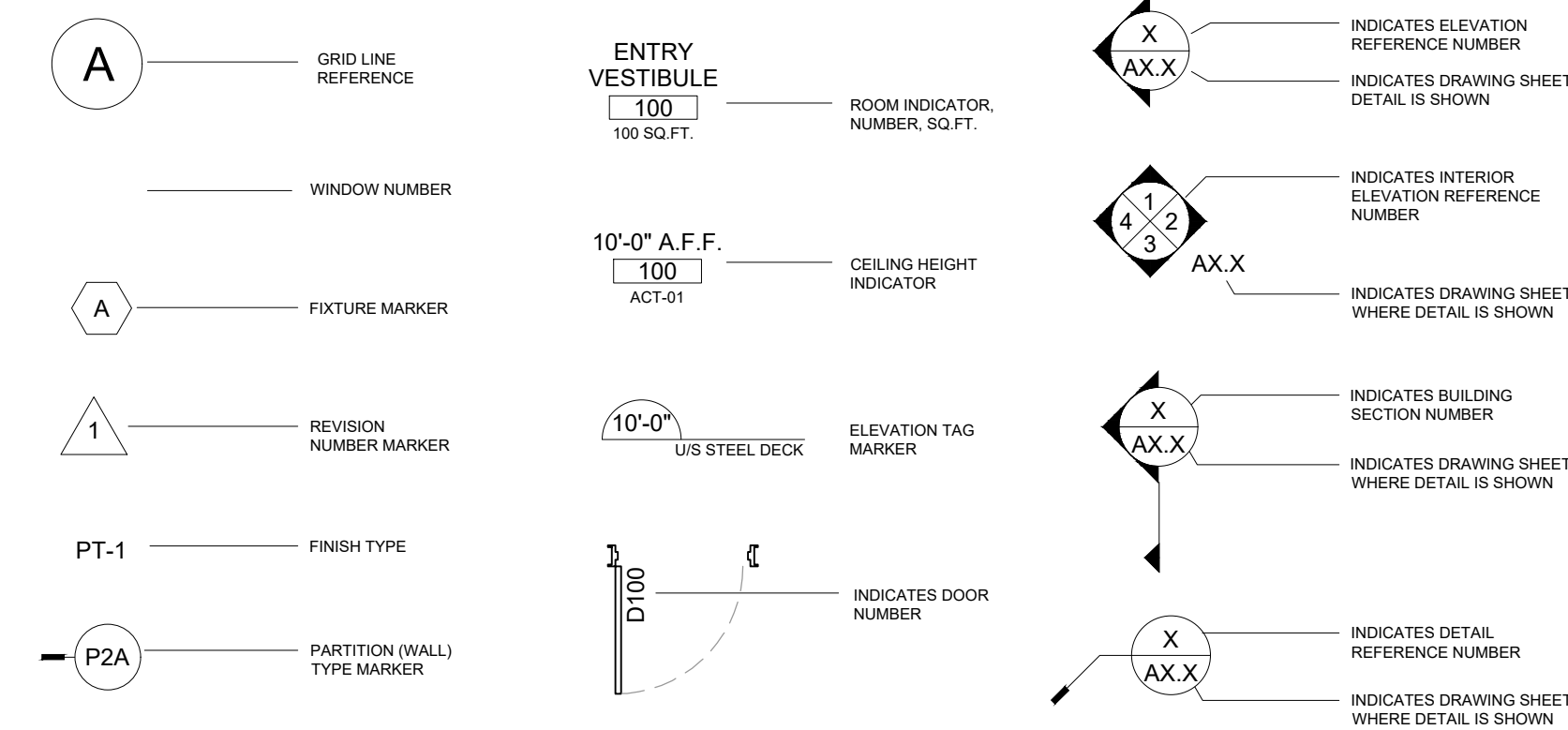
### 3.4.2.5 LOCATION OF EXITS

- EXCEPT AS PERMITTED BY SENTENCES (2) AND 3.3.2.5.(6), IF MORE THAN ONE EXIT IS REQUIRED FROM A FLOOR AREA, THE EXITS SHALL BE LOCATED SO THAT THE TRAVEL DISTANCE TO AT LEAST ONE EXIT SHALL BE NOT MORE THAN
  - 25 M IN A HIGH-HAZARD INDUSTRIAL OCCUPANCY,
  - 40 M IN A BUSINESS AND PERSONAL SERVICES OCCUPANCY,
  - 45 M IN A FLOOR AREA THAT CONTAINS AN OCCUPANCY OTHER THAN A HIGH-HAZARD INDUSTRIAL OCCUPANCY, PROVIDED IT IS SPRINKLERED THROUGHOUT,
  - 105 M IN ANY FLOOR AREA, SERVED BY A PUBLIC CORRIDOR, IN WHICH ROOMS AND SUITES ARE NOT SEPARATED FROM THE REMAINDER OF THE FLOOR AREA BY A FIRE SEPARATION, PROVIDED THE PUBLIC CORRIDOR IS NOT LESS THAN 9 M WIDE,
- THE CEILING HEIGHT IN THE PUBLIC CORRIDOR IS NOT LESS THAN 4 M ABOVE ALL FLOOR SURFACES,
- THE BUILDING IS SPRINKLERED THROUGHOUT, AND
- NOT MORE THAN ONE HALF OF THE REQUIRED EGRESS DOORWAYS FROM A ROOM OR SUITE OPEN INTO THE PUBLIC CORRIDOR IF THE ROOM OR SUITE IS REQUIRED TO HAVE MORE THAN ONE EGRESS DOORWAY
- 60 M IN ANY STORAGE GARAGE THAT CONFORMS TO THE REQUIREMENTS OF ARTICLE 3.2.2.90, AND
- 30 M IN ANY FLOOR AREA OTHER THAN THOSE REFERRED TO IN CLAUSES (A) TO (E).

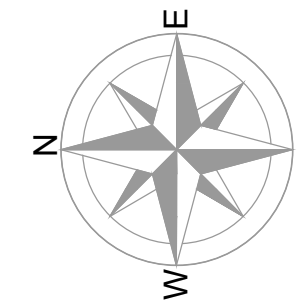
## DRAWING ABBREVIATIONS

& AB ACT ADD A.F.F. ALS ALUM ANOD	AND ANCHOR BOLT ACOUSTICAL CEILING TILE ADDENDUM ABOVE FINISH FLOOR AREA LIGHT STANDARD ALUMINUM ANODIZED	FEC FF FFE FIN FL FO FOC FOF FOM FOS FRT FTG FURR	FIRE EXTINGUISHER CABINET FINISH FLOOR FINISH FLOOR ELEVATION FINISH FLOOR FACE OF FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FIRE RETARDANT TREATED FOOTING FURRING	CI OF OI OH OPNG OPP OS	CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED OVERHEAD OPENING OPPOSITE OUTSIDE
BC BD BLDG BLKG B.M. BM BOT BTU BTWN	BOTTOM OF CURB BOARD BUILDING BLOCKING BENCH MARK BEAM BOTTOM BRITISH THERMAL UNIT BETWEEN	GA GALV GB GC GL GND GVP GWB	GAUGE GALVANIZED GRAB BAR GENERAL CONTRACTOR GLASS GROUND GYPSUM VENEER PLASTER GYPSUM WALL BOARD	PIP PL PLAS PLYWD PSF P.T. PVMT	POURED IN PLACE PROPERTY LINE PLASTER PLYWOOD PER SQUARE FOOT PRESSURE TREATED PAVEMENT
OR C GB CCTV CG C.I.P. CLG CLR CJ CMU CONT CORR CS.J CSMT CT CTR CL	CHANNEL CATCH BASIN CLOSED CIRCUIT TV CORNER GUARD CAST IN PLACE CEILING CLEAR CONTROL JOINT CONCRETE MASONRY UNIT CONTINUOUS CORRIDOR CONSTRUCTION JOINT CASEMENT CERAMIC TILE CENTER CENTERLINE	HB HC HCHWR HM HW HVAC	HOSE BIB HANDICAP HARDWARE HOLLOW METAL HOT WATER HEATING, VENTILATION AND AIR CONDITIONING	R P.D. REF REFR REQ'D REV RM P.O. RCP	RADIUS ROOF DRAIN REFERENCE REFRIGERATOR REQUIRED REVISE OR REVISION ROOM ROUGH OPENING REFLECTED CEILING PLAN
DBL DTL DF DIA DIAG DIM DISP DN DP DR DS DT DWG	DOUBLE DETAIL DRINKING FOUNTAIN DIAMETER DIAGONAL DIMENSION DISPENSER DOWN DAMP-PROOFING DOOR DOWN SPOUT DRAIN TILE DRAWING	JAN JT JST	JANITOR JOINT JOIST	SB SC SECT SF SHTG SHWR SHT SIM S.J SM SPEC SQ SS STD STL STOR STRUCT SUSP	SMART BOARD SOLID CORE SECTION SQUARE FOOT SHEATHING SHOWER SHEET SIMILAR SEISMIC JOINT SHEET METAL SPECIFICATION SQUARE STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURAL SUSPENDED
EA EF EL ELEC E.O.S. ENGR EP EQ EQUIP ES EW EXST (E) EXT	EACH EXHAUST FAN EXPANSION JOINT ELEVATION ELECTRICAL EDGE OF SLAB ENGINEER ELECTRICAL PANEL EQUAL EQUIPMENT EACH SIDE EACH WAY EXISTING EXPANSION EXTERIOR	MAT'L MAX MB MECH MED MEZZ MFR MH MIN MIR MISC MTD MTL	MATERIAL MAXIMUM MARKERBOARD MECHANICAL MEDIUM MEZZANINE MANUFACTURER MANHOLE MINIMUM MIRROR MISCELLANEOUS MOUNTED METAL	UNFIN UNO	UNFINISHED UNLESS NOTED OTHERWISE
FA FBO FD FDN FE	FIRE ALARM FURNISHED BY OTHERS FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER	NA NIC NOM NS NTS	NOT APPLICABLE NOT IN CONTRACT NOMINAL NELSON STUD NOT TO SCALE	VB VERT VEST VFY	VAPOR BARRIER VERTICAL VESTIBULE VERIFY
		OA OC O.D. OD OF	OVERALL ON CENTER OVERFLOW DRAIN OUTSIDE DIAMETER OWNER FURNISHED	W/ WC WD WF WG WH W/O WP WT	WITH WATER CLOSET WOOD WIDE FLANGE WIRE GLASS WATER HEATER WITHOUT WATER-PROOFING WEIGHT

## DRAWING SYMBOLS



J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA



REVISIONS	NO.	DATE	DESCRIPTION
A	NOV. 14, 2023		ISSUED FOR B.P.
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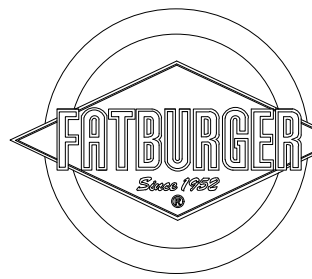
### ELECTRICAL / MECHANICAL ENGINEERS



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## INTERICS

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## PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

## DRAWING TITLE

TRAVEL INFORMATION  
NOTES & SCHEDULES

SCALE AS NOTED  
DATE NOVEMBER/2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

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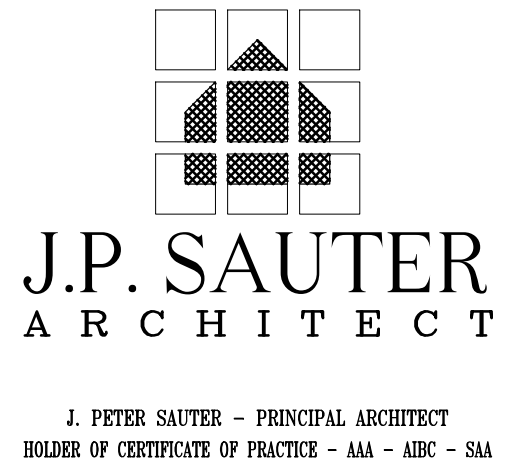
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EMAIL : jpsauter@shaw.ca



## RESPONSIBILITY MATRIX - FATBURGER


		OWNER/ LANDLORD		FDF BRANDZ		TENANT'S GENERAL CONTRACTOR		REMARKS	OWNER/ LANDLORD		FDF BRANDZ		TENANT'S GENERAL CONTRACTOR		REMARKS											
		SUPPLY	INSTALL	SUPPLY	INSTALL	SUPPLY	INSTALL				SUPPLY	INSTALL														
PREPARATION	LANDLORD APPROVAL			●	●			INTERICS DESIGN	SIGNAGE	EXTERIOR SIGNAGE			●	●			COORDINATE POWER REQ'TS. W/ SIGNAGE COMPANY. GC TO PROVIDE CONNECTIONS	TABLE TOPS & BASES					●	●	GC TO CARRY PRICE PROVIDED BY DESIGNER.	
	PERMITS & FEES			●				INTERICS DESIGN		INTERIOR SIGNAGE, MURALS, GRAPHICS, WINDOW FILM & DECOR				●			●	GC TO PROVIDE FINISHED WALL SURFACE AS NOTED ON FINISH PLAN. GC TO FRAME MURALS	CHAIRS / STOOLS					●		●
	3RD PARTY INSPECTIONS					●	●			POWER/ DATA AT CASH					●	●	GROMMETS AS REQ'D. DRILLED ON SITE BY GC.	BANQUETTE/ BOOTHS					●	●		UNIQUE CONTRACT INTERIORS CYRIL SCHLOSSER 306-242-4842 INFO@UNCICI.CA
	AIR BALANCE/ TEST					●	●		POS EQUIPMENT				●	●		GENERAL CONTRACTOR RESPONSIBLE FOR TERMINATION AND LABELING OF ALL END POINTS FOR CABLING. TYPICAL	RAISED FLOOR							N.A.		
	INSURANCE					●	●		WIRING/ CABLING IN POS					●	●		ORDER COUNTER					●	●			
	HOARDING					●	●	G.C. TO CONFIRM BASED ON SPECIFIC SITE	TELEPHONE/ DISTRIBUTION WIRING					●	●		OFFICE DESK/ SHELVES					●	●			
	HOARDING GRAPHICS			●			●		ELECTRICAL CONDUIT								OFFICE SAFE					●	●			
	DEMOLITION- STOREFRONT							N/A	LIGHT FIXTURES & BULBS					●	●	GC TO CONFIRM ALL LIGHT FIXTURES PRIOR TO ORDERING	WAINSCOTING					●	●			
	DEMOLITION- INTERIOR PARTITIONS							N/A	ELECTRICAL PANEL & SERVICE	●	●					REFER TO ENGINEER DWG'S FOR WORK REQ'D BY E.C./ G.C.	W/C MILLWORK							N.A.		
	DEMOLITION- WASHROOMS							N/A	SECURITY SYSTEM				●	●				W/C PARTITIONS							N.A.	
	DEMOLITION- DEMISING WALLS							N/A	TELEVISIONS				●	●												
	REMOVAL OF EXISTING KITCHEN EQUIPMENT							N/A	MUSIC SYSTEM				●	●			GENERAL CONTRACTOR RESPONSIBLE FOR TERMINATION AND LABELING OF ALL END POINTS FOR CABLING. PROVIDE POWER & DATA AS REQUIRED	PATIO FURNITURE							N.A.	
	EXISTING CONCRETE SLAB	●	●					G.C. TO REVIEW EXISTING SUB WORK COMPLETED PREVIOUSLY	SPEAKER SYSTEM				●	●				PATIO RAILING							N.A.	
	TEMP. ELECTRIC/ TELEPHONE/ UTILITIES					●	●	TO DETERMINE ANY DEMOLITION REQUIRED	SPEAKER WIRING					●	●			PATIO GLASS							N.A.	
	DAILY CLEAN UP/ WASTE MGMT.					●	●		EMERGENCY LIGHTING					●	●			NOT USED								
	FINAL CLEAN UP					●	●		OUTLETS / USB					●	●	BLACK/WHITE FINISH	NOT USED									
BLOCKING					●	●		TIME CLOCK					●	●			NOT USED									
CONSTRUCTION	DEMISING WALL STUDS	●	●						MECHANICAL	SWITCHES				●	●	BLACK/WHITE FINISH	WINDOW COVERINGS					●	●			
	DEMISING WALL GYPSUM BOARD. FIRE RATING	●	●				●	G.C. TO PATCH & REPAIR AS REQ'D. MAINTAIN FIRE RATINGS IN ALL APPLICABLE AREAS		WASHROOM SENSORS					●	●		ADVISING ENGINEERS/ DESIGNERS OF FINAL INSPECTIONS					●	●	G.C. MUST GIVE DESIGNERS/ ENGINEERS 2 WEEKS NOTICE	
	STRUCTURAL STEEL					●	●	REFER TO STRUCTURAL DRAWINGS, IF APPLICABLE		KITCHEN ELECTRICAL HOOKUPS					●	●										
	SEISMIC REQUIREMENT & ENGINEERING					●	●			FIRE DETECTION					●	●										
	INTERIOR PARTITIONS					●	●			FIRE EXTINGUISHERS					●	●										
	GYPSUM BOARD CEILING/ FIRE RATING					●	●			HVAC UNIT	●	●					DISTRIBUTION BY G.C.									
	FURRING STRIPS					●	●			HVAC CONTROL (THERMOSTAT)	●	●					LOCATE AS PER MECHANICAL DRAWINGS									
	INTERIOR DOORS/ FRAMES					●	●			MAKE UP AIR / EXHAUST					●	●	CAPTIVE AIRE									
	REAR EXIT DOORS/ FRAMES	●	●					EXISTING TO REMAIN.		KITCHEN HOOD / FIRE SUPPRESSION SYSTEM					●	●										
	DRIVE THRU WINDOW INSTALLATION							N/A																		
	DOOR HARDWARE					●	●								●	●										
	STOREFRONT DOORS	●	●					EXISTING TO REMAIN. G.C. TO ENSURE IN GOOD WORKING CONDITION. REVIEW ANY ISSUES W/ DESIGNER/ CLIENT		DUCTWORK					●	●										
	STOREFRONT GLAZING	●	●							SPRINKLERS					●	●	IF REQUIRED									
	FLOORING C/W BASE					●	●			EXHAUST FANS/ VENTS WASHROOM					●	●										
	PAINT/ WALLCOVERINGS					●	●			AIR CURTAINS					●	●										
	SCHLUTER STRIPS					●	●	SEE DRAWING -- FOR DETAILS		SINKS					●	●	LOW FLOW TYPE									
EQUIPMENT	KITCHEN EQUIPMENT (UNLOADING, UNPACKING, GARBAGE REMOVAL)			●		●	BARGREEN ELLINGSON CANADA JIM SWANSON TEL: (604) 250-7384 EMAIL: jswanson@bargreen.com GC TO PROVIDE E&M HOOKUPS	TOILETS					●	●	LOW FLOW TYPE											
	DRAFT EQUIPMENT						N/A	HOT WATER TANK					●	●	REFER TO ENGINEER DRAWINGS											
	SANITATION & HEALTH PACKAGE			●		●	INSTALLED BY CONTRACTOR	BARRIER FREE HARDWARE					●	●	CONFIRM BASED ON LOCAL CODE REQUIREMENTS											
	SMALL WARES PACKAGE			●	●			KITCHEN PLUMBING FIXTURE PACKAGE				●	●		ALL ROUGH INS & FINAL HOOKUPS BY G.C.											
	WASHROOM ACCESSORIES					●	●																			



REVISIONS		
NO.	DATE	DESCRIPTION
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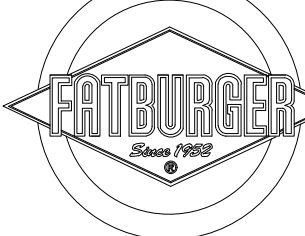
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PROJECT  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
RESPONSIBILITY  
MATRIX

SCALE SEAL

AS NOTED

DATE

NOVEMBER /2023

DRAWN

CR & PPL

CHECKED

JPS

PRQJ. NO

2023-77

FILE NO.

(INTERICS JOB # 22.1872)

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DRAWING NO.

**A0.2**

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DOOR SH.

DOOR SH.	DOOR MARK		SIZE				MATERIAL	CORE	FRAME	GLASS	HARDWARE																				DOOR TYPE	FRAME TYPE	QUANTITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			FIRE RATING	WIDTH	HEIGHT	THICKNESS	ALUMINUM	FIRE-RATED METAL	HOLLOW METAL	WOOD (JOINT GRADE)	HOLLOW	SOLID CORE	ALUMINUM	PRESSED STEEL	FRAMELESS	FULLY GLAZED (TEMPERED GLASS)	PARTIALLY GLAZED (TEMPERED GLASS)	BB BUTT (1 1/2 PR. DOOR)	PASSAGE SET	LOCKSET	LEVER HANDLES	PRIVACY SET	LEVER HANDLES	PUSH/PULL (S.S.)	PANIC HARDWARE (LOCKING)	CLOSER	WALL STOP	FLOOR STOP	SLIDING DOOR HARDWARE (C/W PULL)	KICK PLATE (EACH SIDE)				SIGN (UNIVERSAL HC & SEX SYMBOL)	WEATHER-STRIPPING	DOOR GRILLE	ELEPHANT FOOT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	FINISH / REMARKS										EXISTING HARDWARE SPECIFICATIONS TO REMAIN										REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	D1		3'-0"	7'-0"	1/2"	EXISTING BB ALUMINUM GLASS DOOR TO REMAIN										ALUM. FRAME W/ GLASS										EXISTING HARDWARE SPECIFICATIONS TO REMAIN										EXTERIOR ENTRY										D1	ETR	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	D2		3'-0"	7'-0"	1/2"	NEW ALUMINUM GLASS DOOR TO MATCH										ALUM. FRAME W/ GLASS										NEW HARDWARE SPECIFICATIONS TO MATCH										VESTIBULE										D2	C	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	D3		3'-0"	7'-0"	1/2"	EXISTING BB ALUMINUM GLASS DOOR TO REMAIN										ALUM. FRAME W/ GLASS										EXISTING HARDWARE SPECIFICATIONS TO REMAIN										SIDE DOOR / EGRESS										D3	ETR	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	D4		2'-8"	7'-0"	1 3/4"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

DOOR TYPE SCHEDULE

D1

EXISTING BASE BUILDING GLASS PANEL DOOR ALUMINUM FINISH .

D2

VESTIBULE DOOR TO MATCH BUILDING GLASS PANEL DOOR ALUMINUM FINISH .

D3

EXISTING BASE BUILDING GLASS PANEL DOOR ALUMINUM FINISH .

D4

HOLLOW METAL PAINTED

D5

HOLLOW METAL PAINTED

D6

1 HR F.R.R. MECHANICAL RM. DOOR PAINTED

D7

HOLLOW METAL PAINTED

D8

PREFINISHED LAMINATE BLACK FINISH

D9

PREFINISHED STAINLESS STEEL

TYPE	NOTES
A 16 GAUGE PRESSED STEEL PAINTED	<p>VARIES</p> <p>- PROVIDE 2- 2"x4" WOOD BLOCKING - SEE WALL SCHEDULE FOR THICKNESS FOR THROAT SIZES</p>

DOOR NOTES

DOOR REQUIREMENT NOTES:

1.

HATCH DENOTES EXISTING DOORS TO REMAIN (BY LANDLORD)

2.

REFER TO DRAWING A2.0 TO CONFIRM SWING DIRECTION/ PULL LOCATION. .

GENERAL DOOR, FRAME, AND HARDWARE NOTES:

1.

PROVIDE COMMERCIAL GRADE WALL STOPS FOR ALL DOORS. PROVIDE STOPS ON CLOSURES WHERE WALL STOPS CANNOT BE INSTALLED. GENERAL CONTRACTOR TO PROVIDE BLOCKING IN DRYWALL PARTITION WALL.

2.

ALL DOOR HARDWARE TO BE \* SATIN CHROMIUM PLATED \* (26D) FINISH OR EQUAL / SIMILAR.

3.

ALL DOORS AND FRAMES ARE TO BE PREPPED AND REINFORCED TO SUIT THE APPROVED HARDWARE SCHEDULE AND FIRE RATING REQUIREMENTS. PREP DOORS FOR CLOSURES SO THERE ARE NO THRU BOLTS

4.

MOUNT ALL CLOSURES WITHIN THE ROOM, NOT ON CORRIDOR OR LOBBY SIDES

5.

DOOR HARDWARE IS ONLY TO BE INSTALLED BY TRADESMEN COMPETENT IN THE INSTALLATION OF FINISHING HARDWARE.

6.

PREPARE A COMPLETE DETAILED HARDWARE SCHEDULE FOR APPROVAL.

7.

PROVIDE METAL DOOR CAPS ON ALL EXTERIOR DOORS.

8.

ALL THRESHOLDS ARE TO BE SECURELY ANCHORED, FOAM INSULATED, AND CAULKED BOTH SIDES.

9.

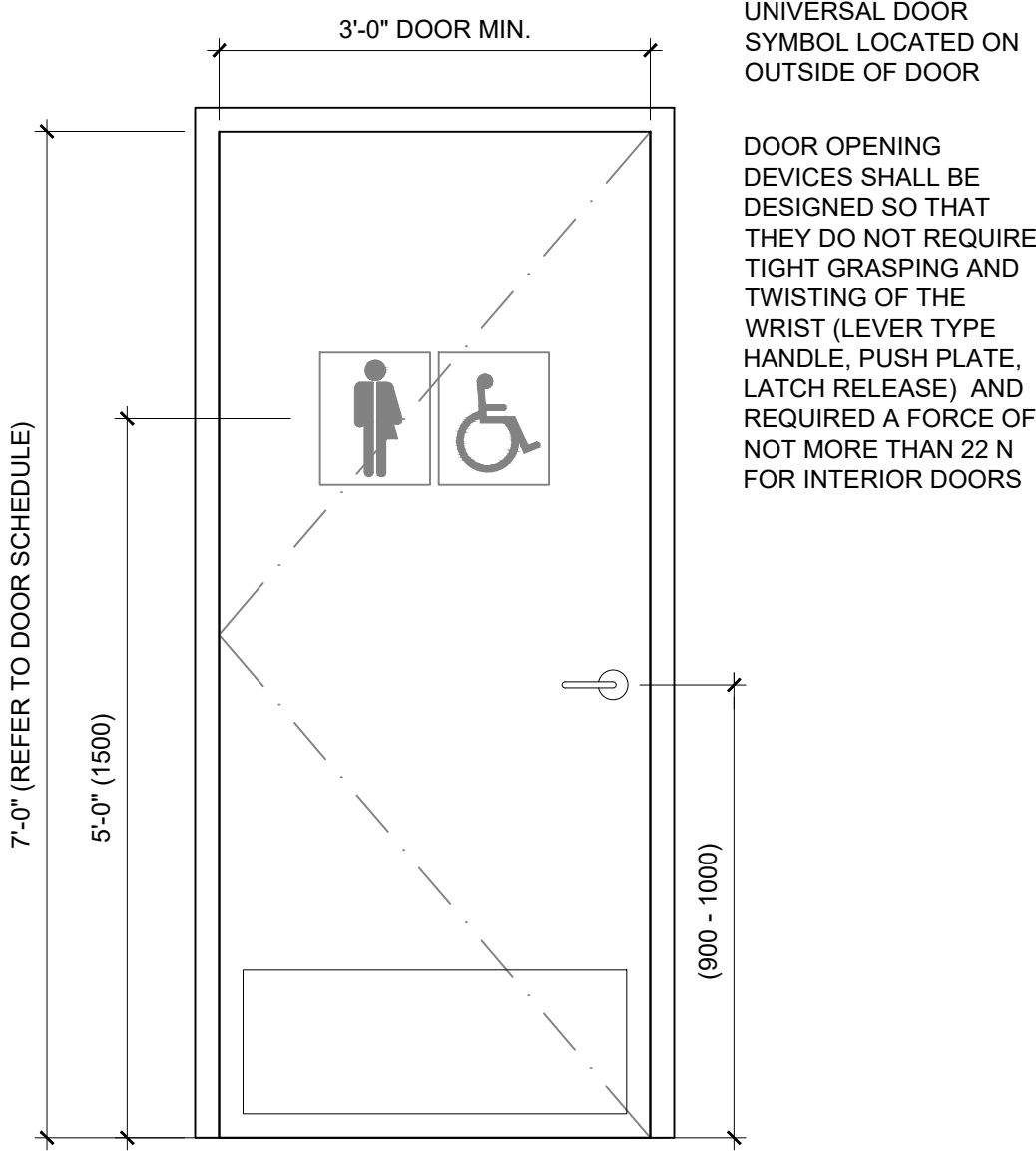
KNOCKDOWN FRAMES ARE NOT ACCEPTABLE.

10.

PROVIDE A MINIMUM OF 3 DOOR SILENCERS PER DOOR. INSTALL AFTER FINISH PAINT IS COMPLETE AND DRY. ON PAIR DOORS, INSTALL 2 DOOR SILENCERS AT THE HEAD.

11.

PROVIDE A DETAILED DOOR AND FRAME SHOP DRAWING WHICH CLEARLY SHOWS THE METHOD OF ANCHORING AND INSTALLING THE FRAMES.



1  
A0.3  
TYP. BARRIER FREE DOORS  
SCALE: 3/4" = 1'-0"

J.P. SAUTER  
ARCHITECT

J. PETER SAUTER – PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE – AAA – AIBC – SAA

NO.	DATE	DESCRIPTION
A	NOV. 14, 2023	ISSUED FOR B.P.
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INTERICS

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PROJECT  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
43510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
DOOR SCHEDULE  
NOTES

SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO.  
(INTERICS JOB # 22.1872)

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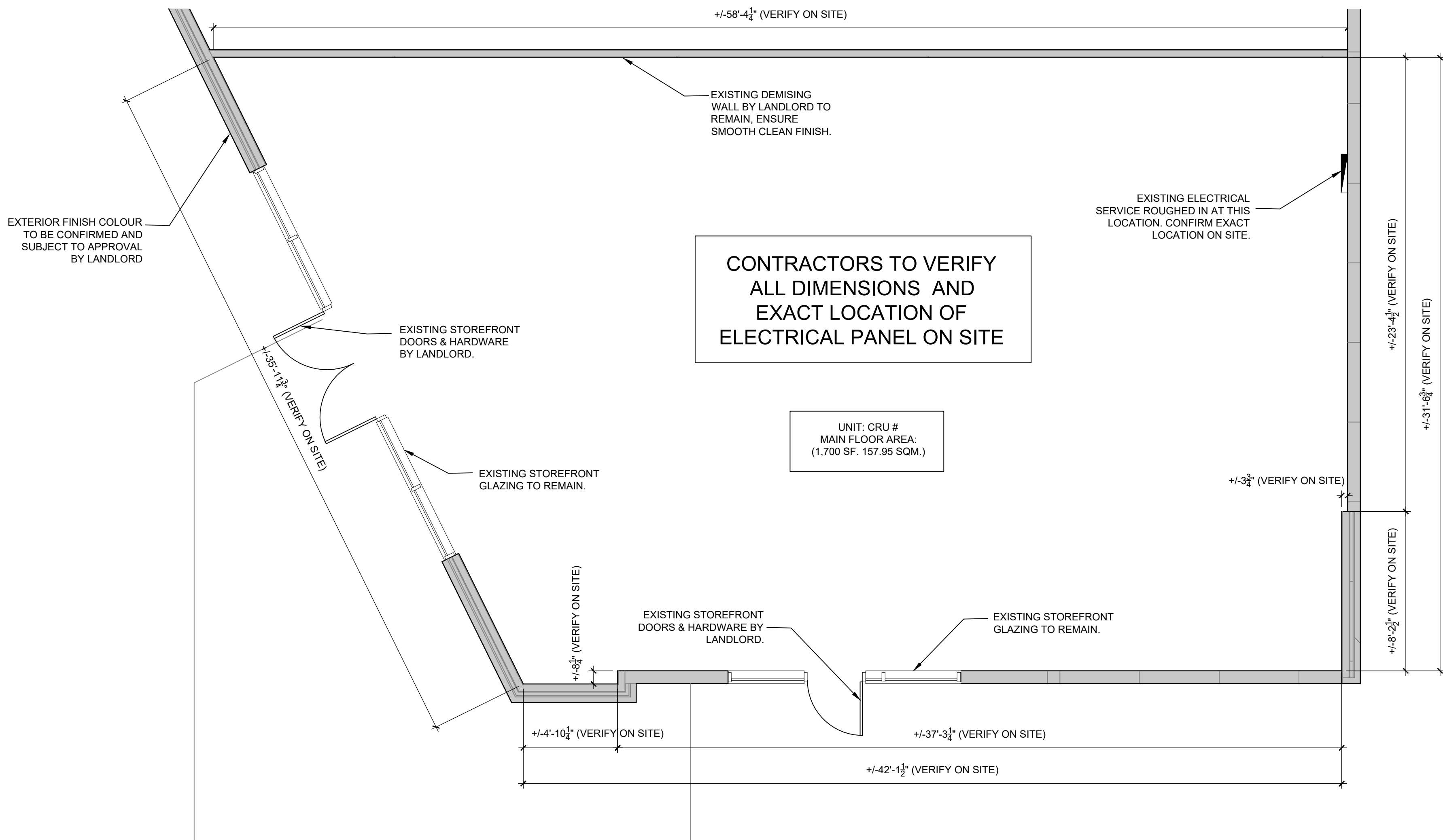
LOCATION INFORMATION

45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

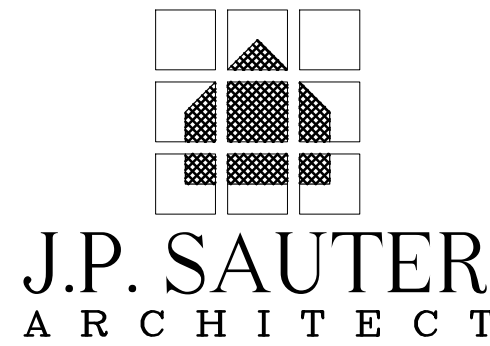
MAIN FLOOR AREA:  
(1,700 SF. 157.95 SQM.)

EXISTING STOREFRONT WINDOWS AND DOORS TO REMAIN.  
ENSURE IN GOOD WORKING ORDER.

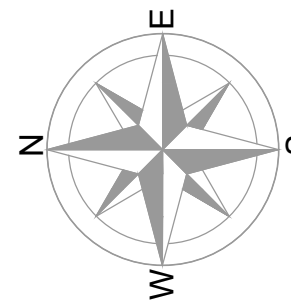
NEW FLOOR FINISHING, WHERE APPLICABLE, AS SHOWN ON FINISHES PLAN.  
ELECTRICAL PANEL AND TRANSFORMER LOCATION EXISTING BY LANDLORD  
ALL FINISHING AS PER MATERIAL AND COLOR SCHEDULE & AS SHOWN ON DWGS.



1 EXISTING LAYOUT PLAN  
A-1.0 SCALE: 1/4" = 1'-0"



J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA



NO.	DATE	DESCRIPTION
A	NOV. 14, 2023	ISSUED FOR B.P.
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ELECTRICAL / MECHANICAL ENGINEERS

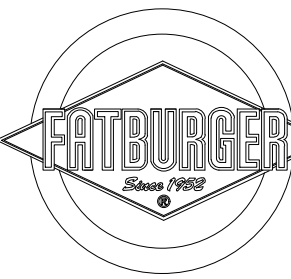


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PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
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CHILLIWACK, BC, V2R 1A2

DRAWING TITLE

EXISTING PLAN  
NOTES

SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
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(INTERICS JOB # 22.1872)

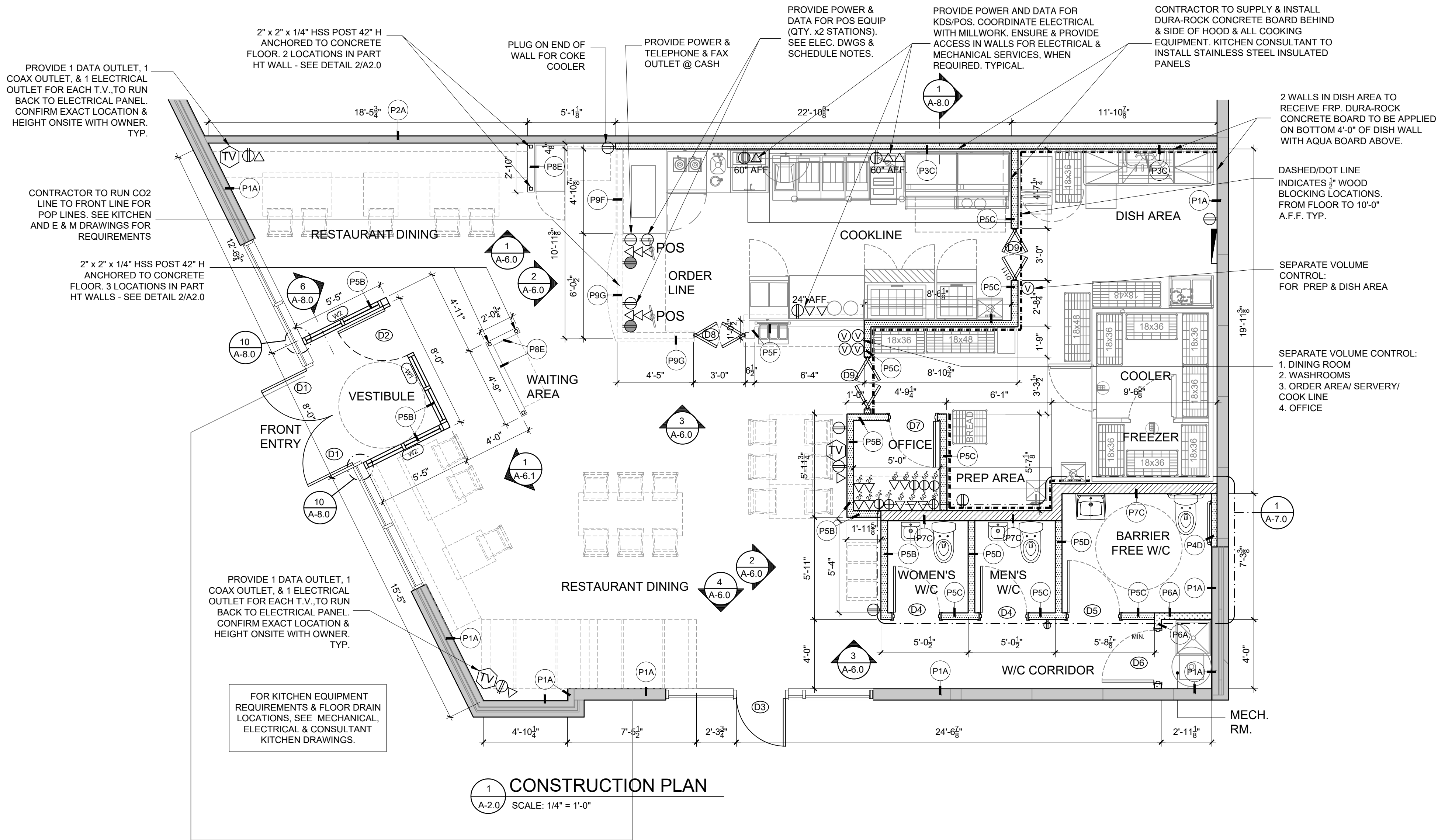
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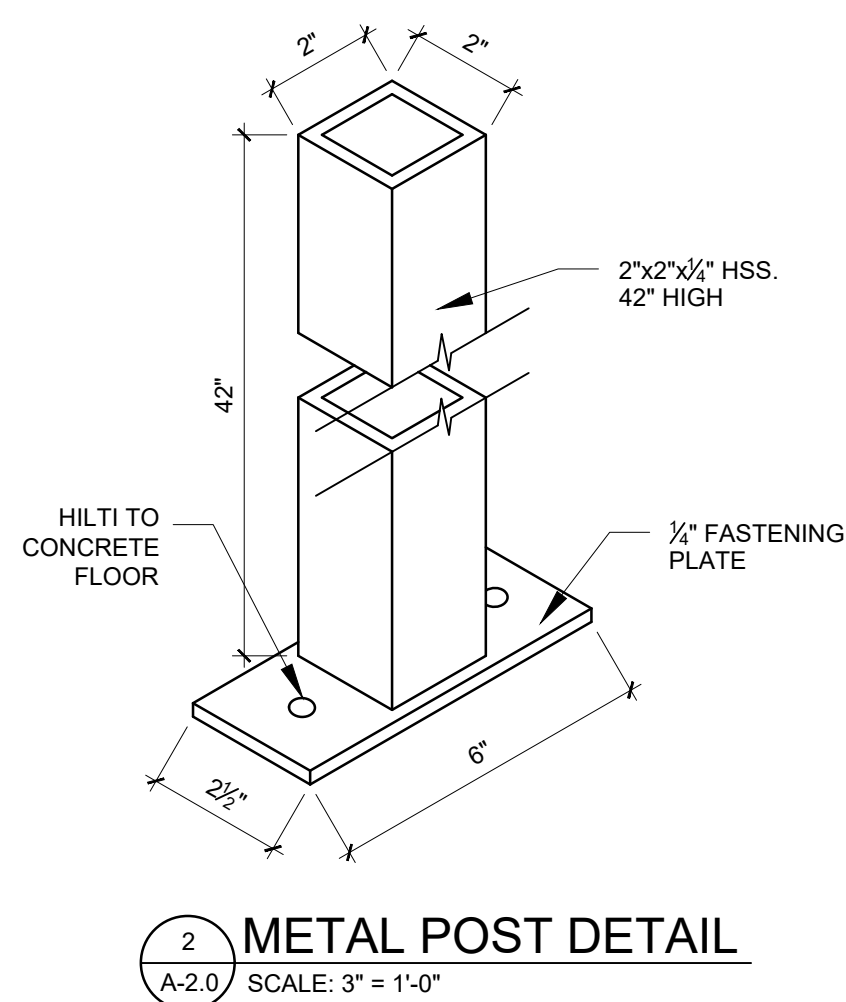
A1.0

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1  
A-2.0  
CONSTRUCTION PLAN  
SCALE: 1/4" = 1'-0"



## ELECTRICAL OUTLETS & SWITCHES

USE BLACK OR WHITE ELECTRICAL OUTLETS, WALL PLATES & SWITCHES

LOCATION	BLACK	WHITE
VESTIBULE	●	
DINING AREA	●	
WASHROOMS	●	
KITCHEN BACK AREA		●
COOK LINE		●
SERVERY		●
OFFICE		●

## CONSTRUCTION NOTES

- ALL NEW WALLS TO BE 1 $\frac{1}{2}$ ", 2 $\frac{1}{2}$ ", 3 $\frac{1}{2}$ " OR 6" 18 GAUGE METAL STUDS @ 16" O/C C/W HORIZONTAL BRACING @ 4'-0" O.C. C/W SOUND INSULATION UNLESS NOTED OTHERWISE.
- ALL STUDS TO U/S OF STRUCTURE TO HAVE SLIP JOINT CONNECTION.
- SEE A5.0 FINISH SCHEDULE FOR MATERIALS AND FINISHES
- REFER TO SECTIONS THIS PAGE & ON A8.0 FOR FURTHER DETAILS
- CONTRACTOR SHALL PROVIDE ADEQUATE BACKING FOR FIXTURES AND ACCESSORIES
- FOR WALLS HIGHER THAN 12'-0", USE 18 GAUGE STUDS & PROVIDE HORIZONTAL BRACING @ 4'-0"
- CONFIRM LOCATION OF WALLS WITH OWNER PRIOR TO CONSTRUCTION
- CONFIRM ALL BLOCKING LOCATIONS ON SITE WITH OWNER PRIOR TO DRYWALL. ALL WALL TYPES TO BE CONFIRMED BY CLIENT AND CONTRACTOR PRIOR TO CONSTRUCTION
- FLAME SPREAD RATING SHALL NOT EXCEED: 150 FOR WALL & CEILING FINISHES, 25 FOR EXITS.
- PORTABLE FIRE EXTINGUISHES SHALL BE PROVIDED AND INSTALLED IN CONFORMANCE WITH THE LOCAL BUILDING CODE
- FOR WASHROOMS INSTALL CONCRETE BOARD BEHIND TILES, AQUA BOARD AT SURFACES TO BE PAINTED
- USE MULL-TIT OVER CONNECTORS (RATED STC 60) WHERE WALLS AND GLAZING MEETS STOREFRONT. CONNECTOR TO BE SELECTED BASE ON WALL POSITION.

## WALL HEIGHT SCHEDULE

TYPE	DESCRIPTION
A	WALL TYPE (A): PARTITION FROM FINISHED FLOOR TO U/S OF ROOF DECK +/- 20'-0" A.F.F. (REFER TO NOTE ABOVE FOR SLIP JOINT CONNECTION)
B	WALL TYPE (B): PARTITION FROM FINISHED FLOOR TO 6" ABOVE T-BAR CEILING (+/-12'-6" A.F.F. T-BAR CEILING)
C	WALL TYPE (C): PARTITION FROM FINISHED FLOOR TO 6" ABOVE T-BAR CEILING (+/-10'-0" A.F.F. T-BAR CEILING)
D	WALL TYPE (D): PARTITION FROM FINISHED FLOOR TO 6" ABOVE T-BAR CEILING (+/-9'-0" A.F.F. T-BAR CEILING)
E	WALL TYPE (E): PARTITION FROM CONCRETE FLOOR TO 4'-0" A.F.F. (FINISHED HEIGHT C/W TOP CAP)
F	WALL TYPE (F): PARTITION FROM FINISHED FLOOR TO +/- 3'-6" A.F.F. (FINISHED HEIGHT C/W COUNTER TOP)
G	WALL TYPE (G): PARTITION FROM FINISHED FLOOR TO +/- 2'-10" A.F.F. (FINISHED HEIGHT C/W COUNTER TOP)
	WALL TYPE (H): NOT USED

## WINDOW / GLAZING SCHEUDLE

ITEM	DESCRIPTION
W1	VESTIBULE GLAZING FRAME FROM 8 $\frac{1}{2}$ " A.F.F. TO 7'-2" A.F.F. GLAZING FRAME STYLE TO MATCH EXISTING STOREFRONT GLAZING. SEE A-8.0 FOR DETAILS
W2	VESTIBULE GLAZING FRAME FROM 4'-0" A.F.F. TO 7'-2" A.F.F. GLAZING FRAME STYLE TO MATCH EXISTING STOREFRONT GLAZING. SEE A-8.0 FOR DETAILS

## WALL CONSTRUCTION TYPES

TYPE	SECTION	CONSTRUCTION	NOTES
P1		EXISTING BASEBUILDING EXTERIOR WALL	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS
P2		EXISTING DEMISING (2 HR)	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS
P3		EXISTING DEMISING WALL	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS
P4		EXISTING BASEBUILD WALL	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS
P5		NEW FURR OUT WALL AT DEMISING WALL 3-5/8" METAL STUDS 1/2" G.W.B. (OR CONCRETE BOARD BEHIND KITCHEN EQUIPMENT)	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS *FOR WASHROOMS, & BEHIND & SIDE OF WALL OF COOK LINE USE 1/2" CONC. BOARD INSTEAD OF G.W.B. BEHIND TILE
P6		GENERAL INTERIOR PARTITION 1/2" G.W.B. 3-5/8" METAL STUDS C/W R12 ROXUL BATT INSULATION 1/2" G.W.B.*	ULC DESIGN NO. U407 (1 HR F.R.R.)
P7		1 H. INTERIOR PARTITION 5/8" TYPE X G.W.B. 3-5/8" METAL STUDS C/W R12 ROXUL BATT INSULATION 5/8" TYPE X G.W.B.	REFER TO DRAWING A5.0, A5.1 FOR FINISH LOCATIONS AND SPECIFICATIONS *FOR WASHROOMS, USE 1/2" CONC. BOARD INSTEAD OF G.W.B. BEHIND TILE
P8		PLUMBING PARTITION 1/2" G.W.B. 6" METAL STUDS C/W R12 ROXUL BATT INSULATION 1/2" G.W.B.*	HILTIE BASE TO CONCRETE FLOOR FOR SUPPORT (SEE DWG 2/A2.0 FOR DETAIL)
P9		PONY WALL 1/2" G.W.B. 2-1/2" METAL STUDS 1/2" G.W.B. (PROVIDE PLYWOOD BACKING TO INSIDE OF WALLS, IF REQUIRED, FOR MILLWORK)	REFER TO KITCHEN DRAWINGS FOR COORDINATION, SEE MILLWORK DRAWINGS

SHADED PORTIONS ABOVE NOTE EXISTING CONSTRUCTION TO REMAIN  
----- DASHED/DOT LINE INDICATES  $\frac{1}{2}$ " WOOD BLOCKING LOCATIONS. FROM FLOOR TO 10'-0" A.F.F.

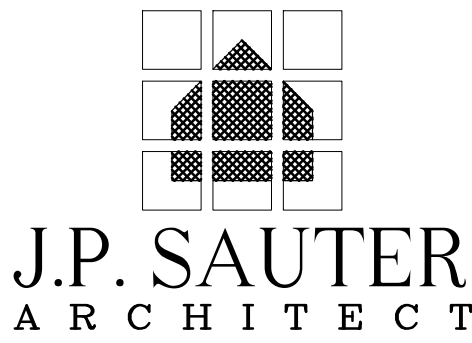
## ELECTRICAL NOTES

NOTE: ALL TYPES OF WIRING TERMINATION TO BE COMPLETED BY CONTRACTOR. UNLESS NOTED OTHERWISE:

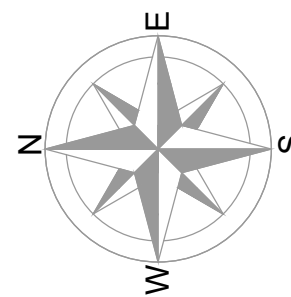
- Ⓜ POWER OUTLET. MOUNT @12" A.F.F. IN DINING AREA UNLESS NOTED OTHERWISE MOUNT AT 18" A.F.F. IN KITCHEN (COOK LINE AREA) UNLESS NOTED OTHERWISE
- Ⓜ ISOLATED GROUND POWER OUTLET. MOUNT @24" A.F.F.
- Ⓜ PHONE/ DATA OUTLET. MOUNT @ 18" AFF. UNLESS NOTED OTHERWISE. CONTRACTOR TO PULL ALL OWNER SUPPLIED DATA & PHONE LINES INTO SPACE.
- Ⓜ VOLUME CONTROL FOR SPEAKERS:  
EPIISODE ELECTRONICS  
EVC-100R-WHLA  
ROTARY VOLUME CONTROL

### ADDITIONAL ELECTRICAL/ DATA NOTES:

- ELECTRICAL/ DATA REQUIREMENTS FOR POS & KDS IN KITCHEN AS FOLLOWS:  
- 1 DATA OUTLET (WITH CAT 6 CABLE) & 1 ELECTRICAL OUTLET AT MALT TABLE (SHELF ABOVE ICE CREAM) TO BE INSTALLED WITH C/L @ 60" AFF. CONFIRM WITH KITCHEN CONSULTANT DRAWINGS.  
- 2 DATA OUTLETS (WITH CAT 6 CABLE) & 1 ELECTRICAL OUTLET AT TOASTER/ COOK LINE UNDER HOOD AT 60" AFF  
- 2 DATA OUTLETS (WITH CAT 6 CABLE) & 1 ELECTRICAL OUTLET AT EXPO LINE (BEHIND CHILI TABLE) AT 24" AFF.  
- 3 DATA OUTLETS (WITH CAT 5 CABLE) & 2 ELECTRICAL OUTLETS AT EACH POS STATION (POS #1 & POS #2 ) AT ORDER COUNTER IN CABINET
- RUN ALL DATA LINES (CAT 6 & CAT 5 CABLES FOR POS & KDS PRINTERS IN KITCHEN COOK AREA/ CASH TO ELECTRICAL PANEL.
- PROVIDE MIN. 2 CONVENIENCE OUTLETS IN DINING AREA FOR GENERAL CLEANING USE.
- INSTALL TERMINATION BOARD ADJACENT TO ELECTRICAL PANEL. ELECTRICIAN TO MOUNT HUB STATION ADJACENT TO ELECTRICAL PANEL FOR DATA.
- ELECTRICAL / DATA REQUIREMENTS FOR OFFICE IS AS FOLLOWS:  
- 4 DATA OUTLETS AT 24" AFF.  
- 2 ELECTRICAL OUTLETS AT 24" AFF.  
- 5 DATA OUTLETS AT 60" AFF.  
- 4 ELECTRICAL OUTLETS AT 60" AFF.  
- 1 COAX CABLE AT 60" AFF. FROM OFFICE SHELF TO ELECTRICAL PANEL.  
- 1x 16 GAUGE STRANDED SPEAKER WIRE FROM SPEAKER TO SPEAKER TO VOLUME CONTROL, THEN PROVIDE 2x 16 GAUGE STRANDED WIRE LINES PER SPEAKER FROM VOLUME CONTROL TO OFFICE SHELF. MOUNT SHELF AT 54" AFF.
- ELECTRICAL/ DATA REQUIREMENTS FOR TV'S ARE AS FOLLOWS:  
- 1 DATA OUTLET, 1 COAX OUTLET & 1 ELECTRICAL OUTLET FOR EACH TV TO RUN BACK TO ELECTRICAL PANEL.



J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA



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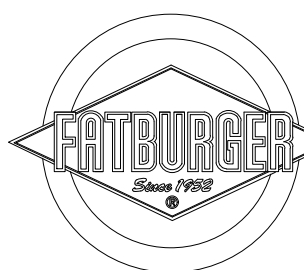
### ELECTRICAL / MECHANICAL ENGINEERS



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## INTERICS

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www.interics.ca

### PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

### DRAWING TITLE

CONSTRUCTION PLAN  
NOTES & SCHEDULES

SCALE SEAL

AS NOTED

DATE

NOVEMBER /2023

DRAWN

CR & PPL

CHECKED

JPS

PROJ. NO

2023-77

FILE NO.

(INTERICS JOB # 22.1872)

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### DRAWING NO.

A2.0










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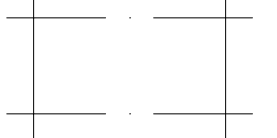
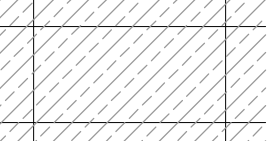
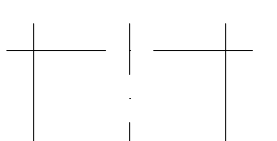

## CEILING NOTES

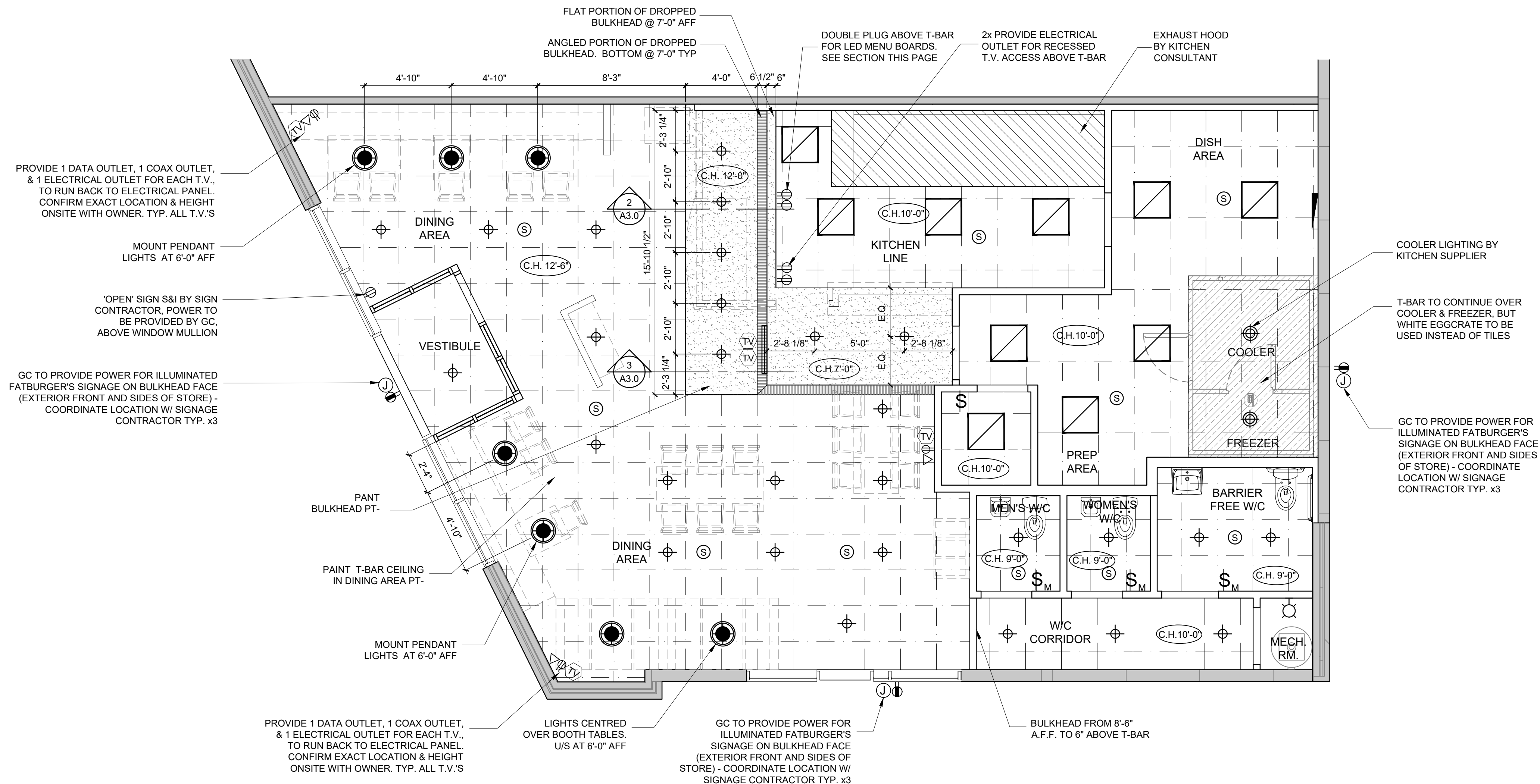
- CONTRACTOR TO VISIT SITE & DETERMINE EXTENT OF M&E WORK PRIOR TO SUBMITTING PRICE.
- ALL WORK TO BE DONE IN COMPLIANCE WITH LOCAL CODES.
- SEE DRAWING FOR DRYWALL BULKHEAD HEIGHTS AND PAINT COLORS.
- ALL LIGHTING TO BE SUPPLIED & INSTALLED BY CONTRACTOR.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL & ELECTRICAL DRAWINGS.
- KITCHEN: 2'x4' T-BAR GRID AND TILES SUSPENDED AT 10'-0" AFF. KITCHEN CEILING TILE TO BE WASHABLE WHITE VINYL.
- LIGHT SWITCHES SHOULD BE HIGHER THAN 48" TO ALLOW FOR WAINSCOTING AND TILE.

## LIGHTING SCHEDULE

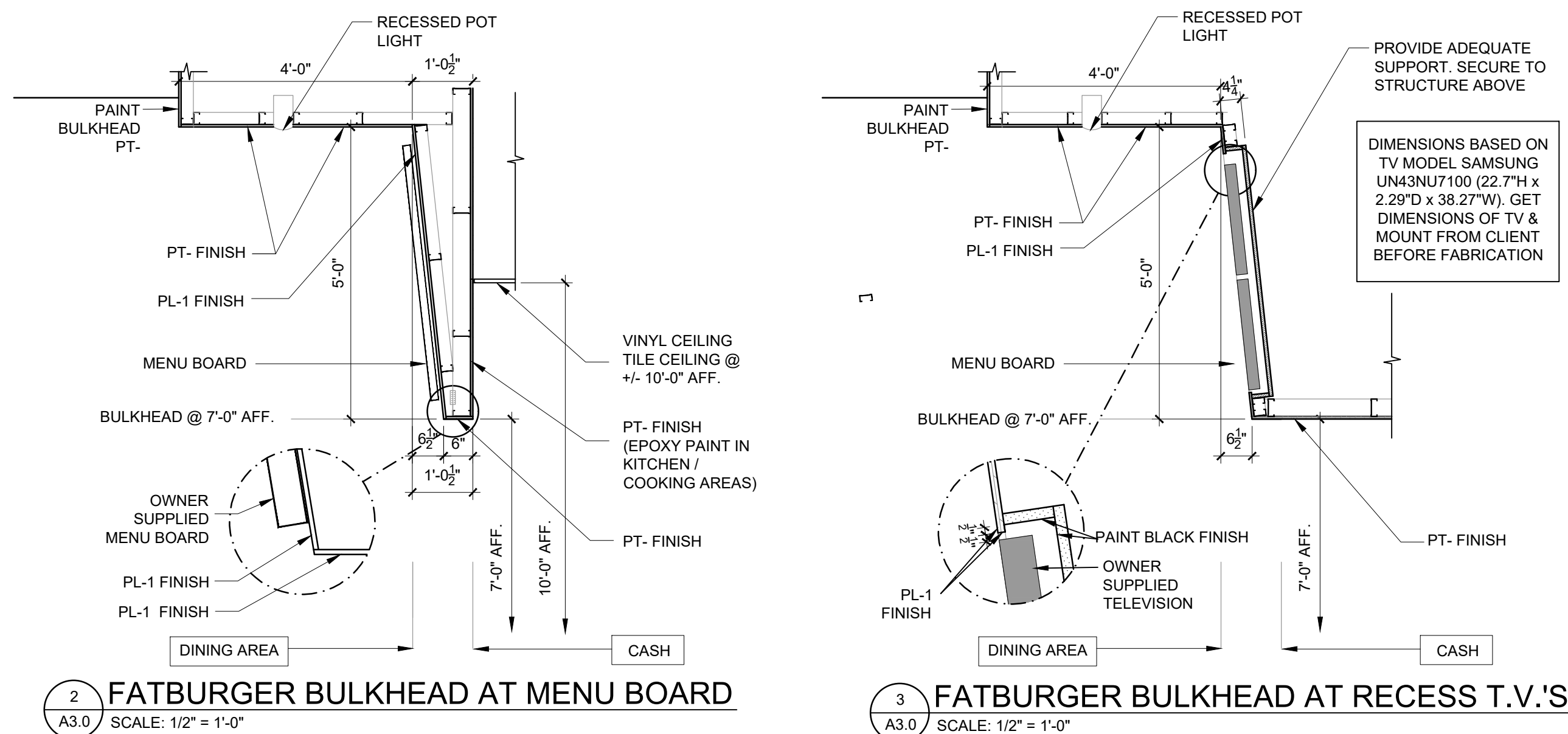
ITEM	QTY.	DESCRIPTION	
	7	LT-1	AMBIENT LIGHTING LED PENDANT, MOUNTING HEIGHT AS NOTED ON PLAN. MATTEO LIGHTING. C54111MB. COMELETE WITH LED BULB, 3000K DIMMABLE. CONTACT GURPREET SANGHA @ DHILLON LIGHTING 403-255-9293, gsangha@dhillonlighting.com
	28	LT-2	U TECHNOLOGY, SOLE SERIES, DL-DIRECT 6" - SWITCH, 3000K COLOUR TEMPERATURE, DIMMABLE. UT-DL-DIRECT-6-R-WH-30K. (WHITE FINISH)
	10	LT-3	2'-0" X 2'-0" FLAT PANEL LED-IN KITCHEN@ BACK AREA 4000K
	2	LT-4	75 WATT LIGHTING FOR COOLER/ FREEZER SUPPLIED BY KITCHEN CONSULTANT INSTALLED BY CONTRACTOR. CONFIRM IF EXISTING COOLER/ FREEZER NEEDS NEW LIGHTS
	1	LT-5	UTILITY SOCKET WALL MOUNT
	10		CONTRACTOR TO SUPPLY & INSTALL SPEAKERS - QUEST Q650C 70 WATT 2 WAY SPEAKER. PAINT TO MATCH CEILING. OWNER'S AUDIO CONSULTANT TO CONFIRM SPEAKER QUANTITY & LOCATION. WORK WITH GENERAL CONTRACTOR ON INSTALLATION - 1x 16 GAUGE STRANDED SPEAKER WIRE FROM SPEAKER TO SPEAKER TO VOLUME CONTROL, THEN PROVIDE 2x 16 GAUGE STRANDED WIRE LINES PER SPEAKER FROM VOLUME CONTROL TO OFFICE. MOUNT AT 60" AFF. IN OFFICE.
	5		CABLE FOR WALL MOUNTED FLAT SCREEN TV'S. ELECTRICAL/ DATA REQUIREMENTS FOR TV'S ARE AS FOLLOWS: - 1 DATA OUTLET, 1 COAX OUTLET & 1 ELECTRICAL OUTLET FOR EACH TV TO RUN BACK TO ELECTRICAL PANEL. ALL CABLE T.V. & POWER OUTLETS TO BE CONCEALED BEHIND T.V. AT CENTRE OF T.V. UNLESS NOTED OTHERWISE. EXACT HEIGHT TO BE DETERMINED ON SITE WITH OWNER -SEE NOTE FOR T.V.'S IN MENU BULKHEAD.
	3		EXTERIOR ILLUMINATED SIGNAGE PROVIDE JUNCTION BOX, AND TIMER. CONFIRM EXACT LOCATIONS W/ SIGNAGE CONSULTANT
	3		MOTION SENSORS FOR LIGHTING, IN WASHROOMS

## CEILING FINISH LEGEND:

	KITCHEN & PREP AREAS: (ACT-1) NEW 2'x4' T-BAR GRID AND TILES SUSPENDED AT HEIGHTS SHOWN. KITCHEN & BEVERAGE AREA CEILING TILES TO BE WASHABLE WHITE VINYL.
	COOLER & FREEZER: (ACT-2) 24"x48" EGGGRATE GRILLES FOR VENTILATION
	WASHROOM / DINING ROOM CEILING TILES: (ACT-3) ARMSTRONG - CORTEGA SECOND LOOK, MEDIUM TEXTURE TEGULAR TILE, 24"x48" (TO LOOK LIKE 24"x 24" GRID: STANDARD 1/16" 24"x48"
	DRYWALL CEILING: (GWB-1) NEW GWB CEILING TO BE SUSPENDED AT HEIGHTS SHOWN. PAINT FINISH TBD.



1 REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

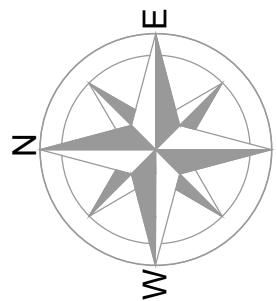


2 FATBURGER BULKHEAD AT MENU BOARD  
SCALE: 1/2" = 1'-0"

3 FATBURGER BULKHEAD AT RECESS T.V.'S  
SCALE: 1/2" = 1'-0"

J.P. SAUTER  
ARCHITECT

J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA



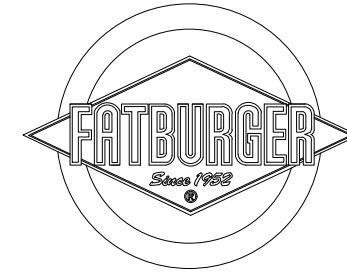
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A	NOV. 14, 2023		ISSUED FOR B.P.
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ELECTRICAL / MECHANICAL ENGINEERS

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**PROJECT**  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

**DRAWING TITLE**  
REFLECTED CEILING PLAN  
NOTES & SCHEDULES

SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO.  
(INTERICS JOB # 22.1872)

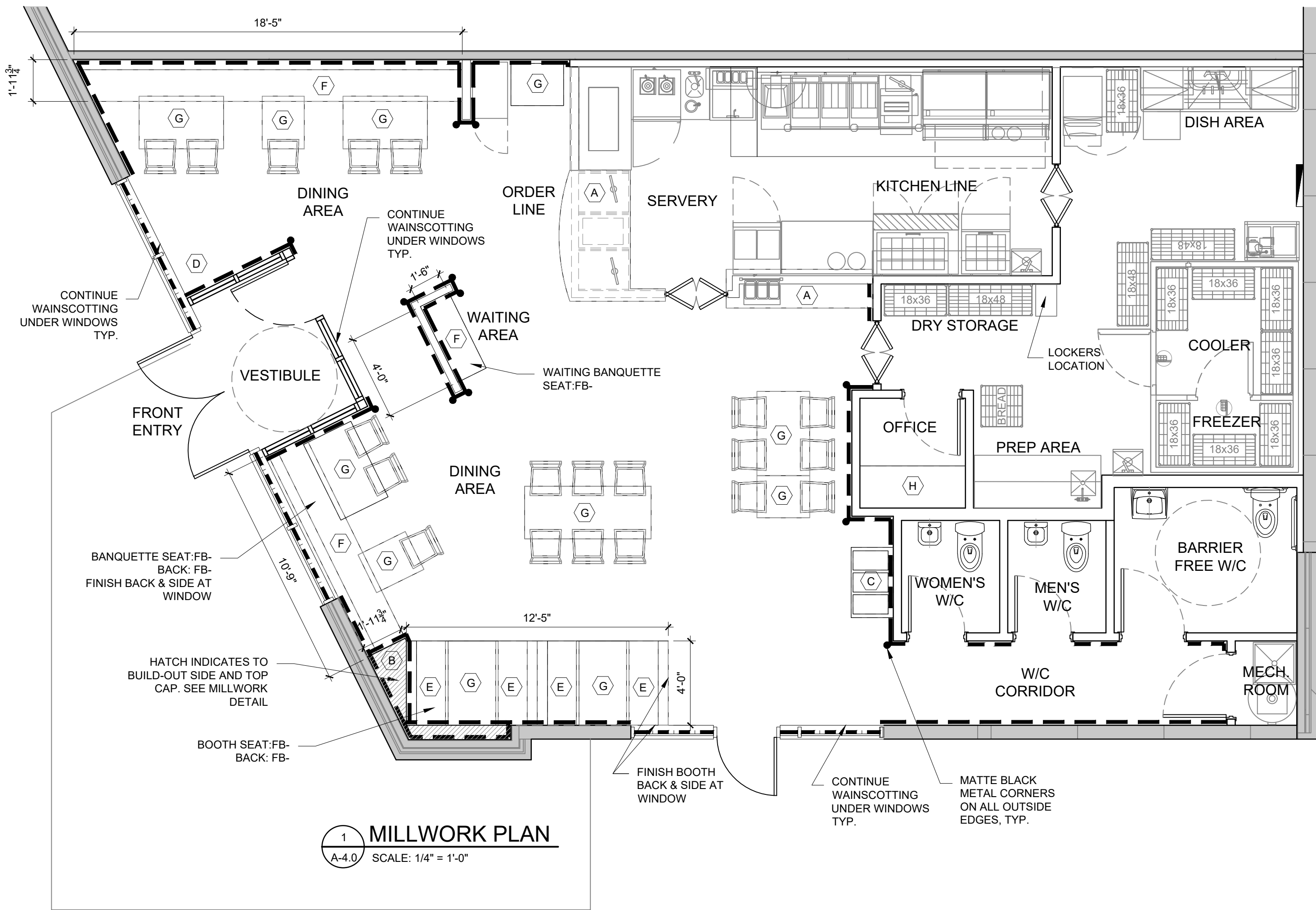
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**DRAWING NO.**

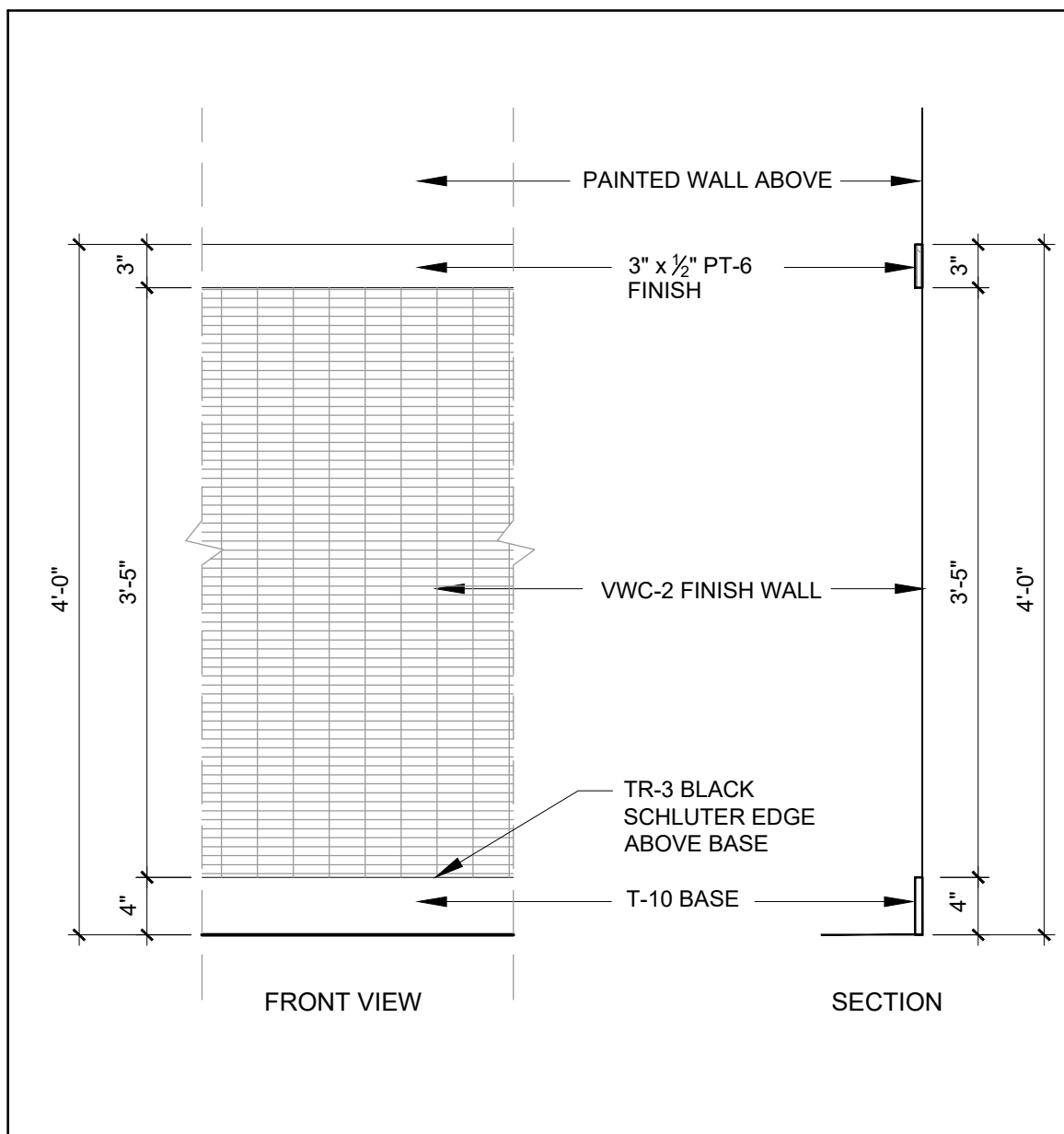
**A3.0**

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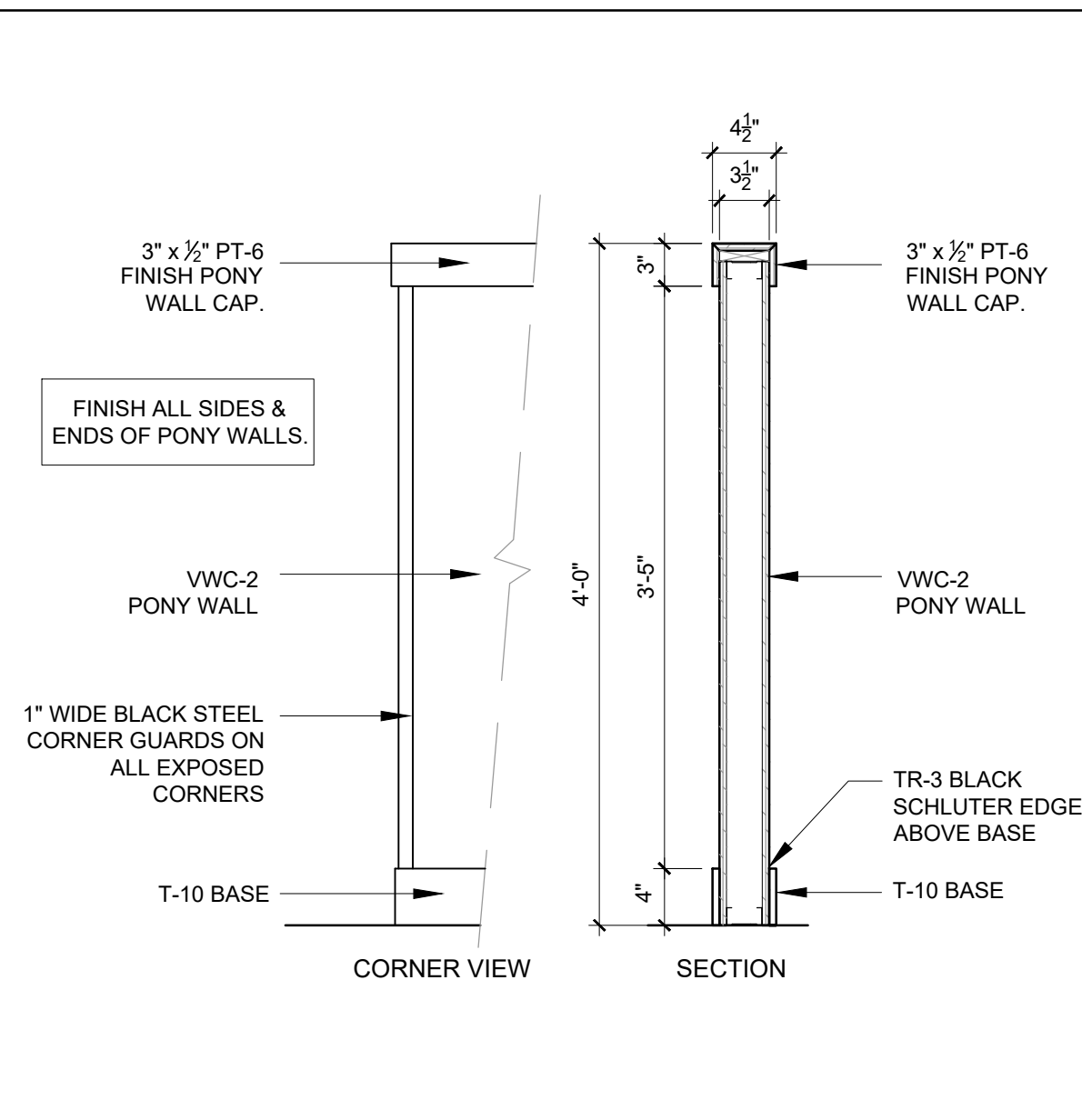




1  
A-4.0  
MILLWORK PLAN  
SCALE: 1/4" = 1'-0"



2  
A-4.0  
WAINSCOTTING DETAIL  
SCALE: 1" = 1'-0"



3  
A-4.0  
PART HEIGHT WALL DETAIL  
SCALE: 1" = 1'-0"

## FURNITURE SPECIFICATIONS

UNLESS NOTED OTHERWISE, ALL OF THE FOLLOWING FURNITURE  
TO BE SUPPLIED & INSTALLED BY CONTRACTOR.  
DESIGNER WILL PROVIDE FURNITURE QUOTES PRIOR TO CLOSING BID DATE.

SUPPLIER: CONTRACT FURNITURE SOLUTIONS  
CONTACT: LEITH MACROBERT  
604-447-8898 #104  
leith@contractfurniture.solutions

TABLES TOPS - SYNTHATOPS - ARUSHA

QUANTITY:  
4 - (2'-6" x 2'-0")  
6 - (2'-6" x 4'-0")  
1 - (2'-6" x 6'-0")

TABLE BASES - FREE STANDING

QUANTITY:  
4 - FOR 2'-6" x 2'-0" TABLES  
6 - FOR 2'-6" x 4'-0" TABLES  
2 - BAR HEIGHT BASES FOR 2'-6" x 6'-0" TABLE

FREE STANDING CHAIRS & BAR HEIGHT  
CHAIRS

CHAIRS  
STYLE: BLACK METAL  
QUANTITY: 14

BAR STOOLS  
STYLE: BLACK METAL  
QUANTITY: 6

DESIGNER WILL PROVIDE QUOTE  
PRIOR TO CLOSING BID DATE

BOOTH/ BANQUETTE/ WAITING BENCH

SUPPLIER: UNIQUE CONTRACT  
INTERIORS  
CONTACT: CYRIL SCHLOSSER  
306-242-4842

QUANTITY:  
2 - 48" WIDE BOOTHS  
1 - 10'-9" LONG BANQUETTE  
1 - 18'-5" LONG BANQUETTE  
1 - 48" LONG WAITING BENCH - NO BACK  
BOOTHS TO BE FINISHED ON SIDES AND  
BACK AT WINDOWS. THEY ARE TO BE ON  
LEGS. BACKS ARE TO BE TUFTED

DESIGNER WILL PROVIDE QUOTE PRIOR  
TO CLOSING BID DATE

## MILLWORK LEGEND

NOTE: ALL OF THE FOLLOWING MILLWORK ITEMS ARE BY  
CONTRACTOR UNLESS NOTED OTHERWISE

- (A) FATBURGER ORDER LINE COUNTER  
(SEE MILLWORK DWGS D-1.0 TO D-1.3)
- (B) TOP & SIDE MILLWORK BUILD-OUT  
(SEE MILLWORK DWG D-2.0)
- (C) FATBURGER TRASH RECEPTACLE  
(SEE MILLWORK DWG D-3.0)
- (D) TREASURE CHEST CABINET - CONFIRM  
LOCATION W/ OWNER  
(SEE MILLWORK DWG D-4.0)
- (E) BOOTHS  
(FROM SUPPLIER)
- (F) BANQUETTES  
(FROM SUPPLIER)
- (G) TABLES & BASES  
(FROM FURNITURE SUPPLIER)
- (H) OFFICE DESK & SHELVING  
SEE MILLWORK DRAWINGS D-5.0

REFER TO MILLWORK DETAIL BOOKLET FOR ALL MILLWORK  
DRAWINGS. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR  
PRODUCTION.

## MILLWORK NOTES

KITCHEN EQUIPMENT:  
SEE KITCHEN CONSULTANTS DRAWINGS

### LOCKERS:

HADRIAN, 1x SIX TIER, LIGHT GREY #535, 12" x 18" DEEP x 72" HIGH.  
CONFIRM EXACT LOCATION ON SITE WITH OWNER

### CORNER GUARDS:

- DENOTES LOCATIONS OF 1" BLACK MATTE METAL CORNER  
GUARDS FROM TOP OF TILE BASE TO U/S OF TRIM. ON  
FULL HEIGHT OR PART HEIGHT WALLS.

### WAINSCOTTING:

DASHED LINE INDICATES WAINSCOTTING LOCATION.  
SEE DETAIL ON THIS PAGE

### WINDOW COVERINGS:

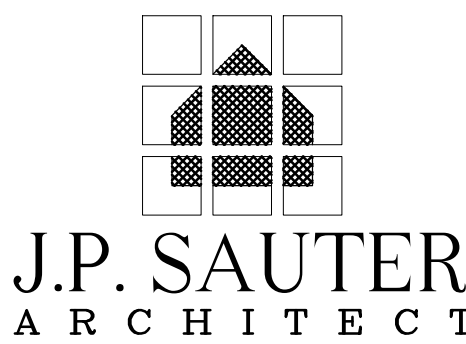
DASHED DOT LINE INDICATES WINDOW COVERINGS LOCATION.  
SEE FINISH SCHEDULE FOR SPECIFICATION ON A5.0

### FATBURGER MURALS:

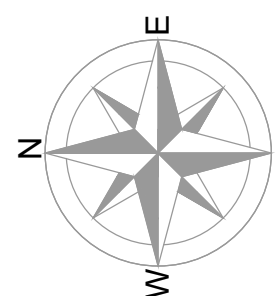
OWNER SUPPLIED CONTRACTOR INSTALLED MURALS ABOVE  
WAINSCOTTING OR TILE. DETERMINE WITH OWNER WHICH  
MURAL TO BE FRAMED 2"x3" MDF PAINTED PT-6 (BY  
CONTRACTOR) SEE ELEVATIONS. EXACT LOCATIONS TO BE  
DETERMINED BY OWNER.

### EMPLOYEE COAT HOOKS:

EMPLOYEE COAT HOOK - NYSTROM DECORATIVE DOUBLE  
HOOK IN CHROME FINISH, QTY. x 5, MOUNTED 9" O/C TO 3/4" THICK  
PLY BACKER, 6" HT. x 4'-0" WIDE, W/ PT-6 SEMI-GLOSS FINISH.  
CONFIRM EXACT SIZE PRIOR TO FABRICATION. CONFIRM  
LOCATION W/ OWNER.



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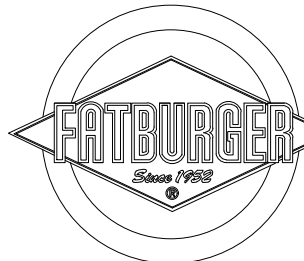


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## PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

## DRAWING TITLE

MILLWORK & FURNITURE PLAN  
NOTES & SCHEDULES  
DETAILS

SCALE: SEAL  
AS NOTED  
DATE: NOVEMBER /2023  
DRAWN: CR & PPL  
CHECKED: JPS  
PROJ. NO: 2023-77  
FILE NO: (INTERICS JOB # 22.1872)

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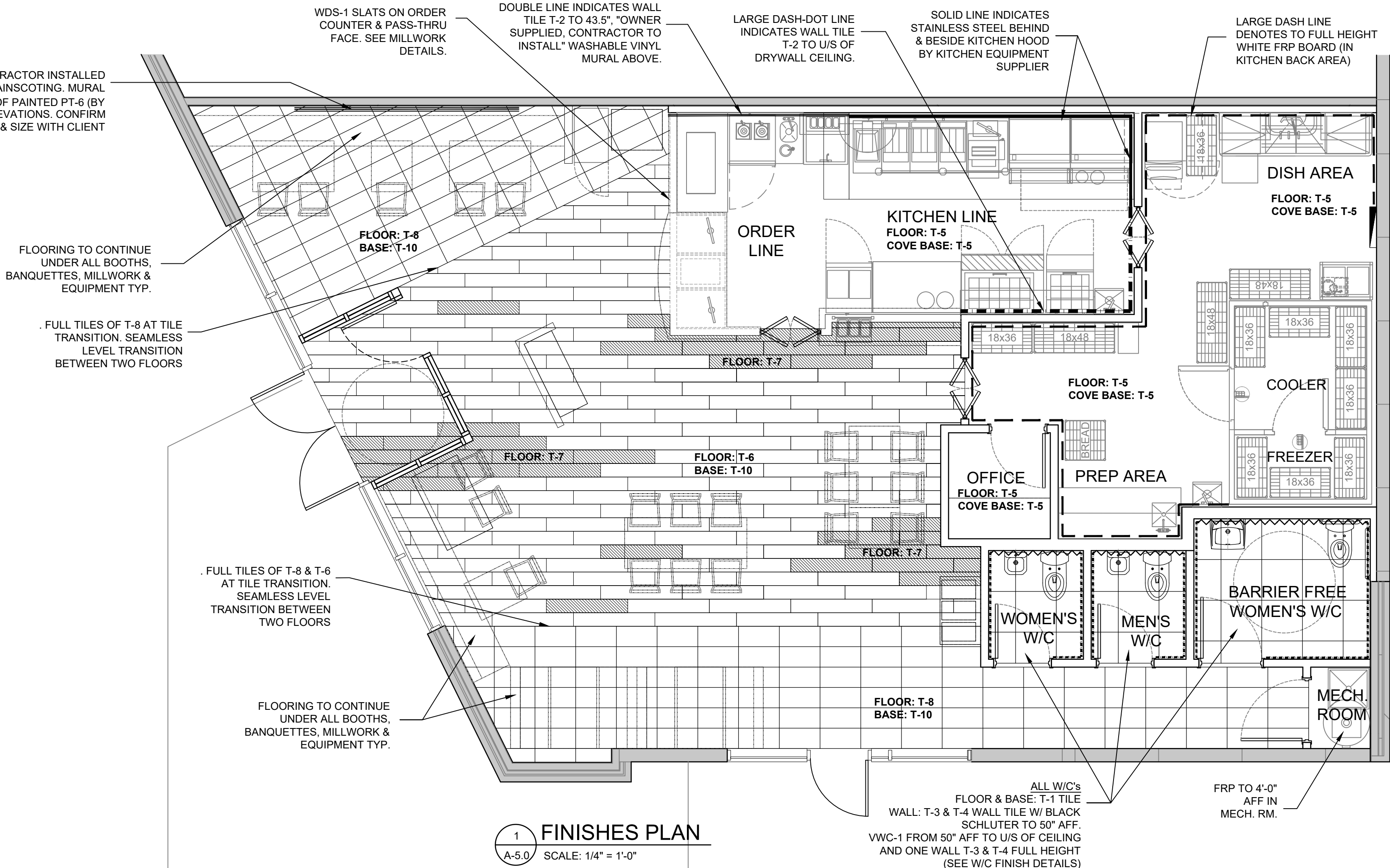
## DRAWING NO.

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EMAIL: jpsauter@shaw.ca



FATBURGER FINISH SCHEDULE- OPTION C 'CLASSIC RED'						
TAG	MATERIAL	MANUFACTURER	FINISH / COLOR	REMARKS	LOCATION	CONTACT
PT-1	PAINT (LT. BLUE)	SHERWIN WILLIAMS	SW6793 BLUEBELL EGGSHELL FINISH	FATBURGER BRANDING COLOR	MENU BOARD	
PT-2	PAINT (RED)	DULUX	RAPTURE, 07YR 101429 A0278 EGGSHELL			
PT-3	PAINT (LT. TAN)	BENJAMIN MOORE	HC-91 DANVILLE TAN EGGSHELL			
PT-4	PAINT (DK. TAN)	BENJAMIN MOORE	HC-88 JAMESBORO GOLD EGGSHELL			
PT-5	PAINT (DK. BLUE)	BENJAMIN MOORE	CSP-690 HIDDEN SAPPHIRE EGGSHELL			
PT-6	PAINT (BLACK)				WAINSCOTTING & MURAL TRIM & DOOR FRAMES	
PL-1	PLASTIC LAMINATE	TBD			MENU BULKHEAD & TRASH RECEPTACLE	
PL-2	PLASTIC LAMINATE	FORMICA	909-58 'BLACK' MATTE FINISH		AS NOTED	
MEL-1	MELAMINE		WHITE MELAMINE			
MEL-2	MELAMINE		BLACK MELAMINE			
T-1	PORCELAIN TILE	AMES TILE	INDUSTRIA SERIES CHROMIUM 24"x24" MATTE IND2424		WASHROOM FLOOR TILE & BASE. SEE FLOOR & WALL TILE DETAILS.	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-2	CERAMIC TILE (WHITE)	JULIAN TILE	METRO MW210 WHITE MATTE 2.5" X 9.5"	INSTALL PATTERN AS PER DETAIL	ORDER COUNTER / PASS THROUGH WALL TILE	JULIAN TILE ROGER 403-287-8453 roger@juliantile.com
T-3	CERAMIC TILE	AMES TILE	CAMP SERIES 4"x12" 'BLACK ROCK MATTE' CMBLM412	INSTALL PATTERN AS PER DETAIL	WASHROOM WALL TILE	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-4	CERAMIC TILE	AMES TILE	CAMP SERIES 4"x12" 'BLACK GLAZE GLOSS' CMBLG412	INSTALL PATTERN AS PER DETAIL	WASHROOM WALL TILE	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-5	QUARRY TILE	OLYMPIA TILE	METROPOLITAIN PURITAN GREY #507, 6"x6"		KITCHEN FLOOR	OLYMPIA TILE LORILEE PENNER 403-287-1070 lorilee.penner@olympiatile.com
T-6	PORCELAIN TILE (WOOD LOOK)	AMES TILE	ALTER SERIES 8" x 48" NOCE ATN848	INSTALL PATTERN AS PER DETAIL	RESTAURANT FLOOR TILE - SEE PLAN FOR PATTERN	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-7	PORCELAIN TILE (CONCRETE LOOK)	AMES TILE	EGO SERIES 8" x 48" GRIGIO EGGG848	INSTALL PATTERN AS PER DETAIL	RESTAURANT FLOOR TILE - SEE PLAN FOR PATTERN	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-8	PORCELAIN TILE	DALTILE	OUTLANDER GRANDE DESIGN, MARINE OUS5 12X24GRDXTMT		ACCENT FLOOR TILE, DINING AREA	DALTILE CHRISTINE WYPER 403-585-2608 christine.wyper@daltile.com
T-9	PORCELAIN TILE	JULIAN TILE	ATLANTA, DARK GREY 1.5"x5" MESH MOUNT ATDGHX	INSTALL VERTICALLY	ORDER COUNTER / PASS THROUGH ACCENT WALL TILE	JULIAN TILE ROGER 403-287-8453 roger@juliantile.com
T-10	PORCELAIN TILE	DALTILE	PURE BLACK PU21, MATTE 12X24	CONTRACTOR TO CUT TILE DOWN TO 4" HIGH AS BASE	RESTAURANT BASE -OCCURRING WITH FLOOR TILE: T-6, T-7, T-8	DALTILE CHRISTINE WYPER 403-585-2608 christine.wyper@daltile.com
GT-1	GROUT	LATICRETE	DUSTY GREY 60	1/8" WIDE GROUT JOINT	USE WITH W/C FLOOR TILE T-1	
GT-2	GROUT	FLEXITILE	NORTH SEA GREY *663 563	1/8" WIDE GROUT JOINT	USE WITH KITCHEN WALL TILE T-2, & FLOOR TILE T-6, T-7	
GT-3	GROUT	TEC	941 RAVEN	1/8" WIDE GROUT JOINT	USE WITH W/C WALL TILE T-3 & T-4	
GT-4	GROUT	MAPEI	11 SAHARA BEIGE	1/8" WIDE GROUT JOINT	USE WITH QUARRY TILE T-5 & MATCHING COVE BASE	
VWC-1	VINYL WALL COVERING	CROWN SURFACE SOLUTIONS	BOLTA GRATE EXPECTATIONS BB-GE-06 HONORABLE CREAM		WASHROOM WALLS ABOVE TILE	CROWN SURFACE SOLUTIONS TIFFANY KEIFER-BOWLING tbowling@crownsurfacesolutions.com
VWC-2	VINYL WALL COVERING	METRO WALLCOVERINGS	VESCOM, LUNDIE, 1086.13 NOTE: THERE IS A 6-WEEK LEAD TIME ON THIS PRODUCT	PLEASE CONTACT DANIELLE, AS STOCKING PROGRAMS HAVE BEEN SET UP FOR FATBURGER PROJECTS	WAINSCOTING	METRO WALLCOVERINGS DANIELLE WALSH 403-245-9191
FB-1	VINYL FABRIC (RED)	MAYER FABRICS	ANTIQUE II OLD GLORY AQ-001		BOOTHS/ BANQUETTES	LAURENNE EMOND laurenne@mayerfabrics.com
FB-2	VINYL FABRIC (CHARCOAL)	CARNEGIE	BUFF 6518-47		BOOTHS/ BANQUETTES	
QZ-1	QUARTZ	VICOSTONE	CINZA POLISHED 2CM BQ8808		CASH DESK, P.O.S. & HOSTESS COUNTERS, LEDGE TOP COUNTER, WC VANITIES	VICOSTONE LAURA VANHOUTTE 403-899-5171 laura.vanhoutte@vicostone.ca
WDS-1	WOOD SLATS	ODYSSEY WALLCOVERINGS	WOODWERX 1" LINEATE WHITE OAK VARNISHED 11.75"x96" PANEL	INSTALL VERTICALLY. SEE MILLWORK DETAIL	CASH DESK FRONT & SIDES AS SHOWN	ODYSSEY DUNCAN MACTAVISH 403-605-5449 duncan@odysseywallcoverings.com
FRP-1	FRP BOARD		WHITE OR ALMOND		KITCHEN BACK AREA	
TR-1	WALL TRIM	SCHLUTER	SCHLUTER FINEC, SS FINISH		OUTSIDE CORNERS IN ORDER COUNTER / PASS THROUGH	
TR-2	COVE BASE	SCHLUTER	SCHLUTER DILEX-HKS, SS FINISH		COVE BASE FOR WC FLOOR TILE LOCATIONS	
TR-3	WALL TRIM	SCHLUTER	SCHLUTER FINEC, BLACK FINISH		TOP OF BASE T-10 IN DINING AREA & TOP OF W/C WALL TILE T-3 & T-4	
W-1	ROLLER SHADE	SOLARFECTIVE	FASCIA COLOR: CLEAR ANODIZED ALUMINUM SW2410 V22 CHARCOAL / GREY 3% OPEN.		SEE LOCATION OF WINDOW COVERINGS ON A4.0	GWP WALLWORKS ACOUSTIC ARCHITECTURAL PRODUCTS INC. 425-51 AVE. CALGARY, AB. DARREN OTT (403.255.3550) (info@wallworks.com)
FINISH NOTES: - ALL PAINT IN COOKING/ KITCHEN AREA, AND WASHROOMS TO BE EPOXY PAINT AS PER COLOUR FINISHES. - ALL PAINTS BEHIND MURALS TO BE LOW VOC AND GLOSS WHITE PAINT.						



WALL FINISHES	
	DASHED LINE INDICATES FULL HEIGHT (+/-10'-0") F.R.P. BOARD- WHITE (KITCHEN BACK AREA) EXCEPT MECH. RM. WHICH IS TO 4'-0" AFF
	SOLID LINE INDICATES INSULATED STAINLESS STEEL BEHIND KITCHEN HOOD INSTALL FROM COVE BASE - KEC TO SUPPLY & INSTALL S.S.
	TRIPLE LINE INDICATES OWNER SUPPLIED CONTRACTOR INSTALLED MURAL ABOVE WAINSCOTING. SEE ELEVATIONS. CONFIRM PREP REQUIRED WITH CLIENT
	DOUBLE LINE INDICATES WALL TILE T-2 TO 43 1/2". *OWNER SUPPLIED CONTRACTOR TO INSTALL* MURAL ABOVE. CONFIRM SURFACE PREP REQUIRED
	LARGE DASH-DOT LINE INDICATES WALL TILE T-2 TO U/S OF CEILING - SEE NOTE ON PLAN). SEE PATTERN & ELEVATION
	SMALL DASH-DOT LINE INDICATES W/C WALL TILE T-3 & T-4 TO 50" AFF. VWC-1 ABOVE (SEE PATTERN DETAIL)
	ZIG-ZAG LINE INDICATES W/C WALL TILE T-3 & T-4 FULL HEIGHT (SEE PATTERN DETAIL)
NOT USED	

PAINT FINISHES:	
1. ALL PAINT FINISHES FOR WALLS/ CEILINGS SHALL BE LATEX, EGGSHELL FINISH & ALL PAINT FINISH FOR TRIMS, CONVECTORS, ETC., SHALL BE LATEX, SEMI-GLOSS FINISH, UNLESS NOTED OTHERWISE.	
2. ALL HVAC & DIFFUSERS ETC. TO BE PAINTED TO MATCH CEILING UNLESS NOTED OTHERWISE.	
3. ALL PAINT IN COOKING /KITCHEN AREA, AND WASHROOMS TO BE EPOXY PAINT AS PER COLOUR FINISHES	
4. WHERE EVER MURALS ARE GOING ON WALLS OR CEILINGS, HIGH-GLOSS PAINT SHALL BE USED ON WALLS OR CEILINGS & BE PAINTED AT LEAST 10 DAYS PRIOR TO MURAL INSTALLATION, OTHERWISE THEY WILL NOT STICK.	
5. NO SUBSTITUTIONS SHALL BE MADE FOR THE SPECIFIED MANUFACTURER, WITH OUT PRIOR APPROVAL OF THE DESIGNER.	
6. DUST, CLEAN AND PREPARE ALL SURFACES TO BE PAINTED. SAND & DUST BETWEEN COATS AS REQUIRED TO PROVIDE ADEQUATE ADHESION FOR NEXT COAT AND TO REMOVE DEFECTS VISIBLE FROM DISTANCE OF ONE METER. ALLOW SURFACES TO DRY AND CURE PROPERLY AFTER CLEANING AND BETWEEN COATS. ENSURE NO PAINT SPLASHES ON ANY SURFACES NOT TO BE PAINTED.	
7. ALL PAINTED SURFACES TO BE 1 COAT GOOD QUALITY PRIMER & 2 COATS ACRYLIC LATEX EGGSHELL FINISH UNLESS OTHERWISE NOTED. ALL DARK COLOURED WALLS TO BE PRIMED WITH DARK PRIMER.	
8. ALL DOORS, FRAMES & GLAZING FRAMES SCHEDULED TO BE PAINTED TO BE 1 COAT PRIMER & 2 COATS ACRYLIC LATEX SEMI-GLOSS FINISH UNLESS OTHERWISE NOTED.	
FINISH NOTES:	
1. SLOPE ALL TILE TO DRAINS AS REQUIRED	
2. THE FLOORING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL MINOR FLOOR PATCHING THAT MAY BE REQUIRED TO PROVIDE A SMOOTH SUBSTRATE. THE STARTING OF WORK BY THE FLOORING CONTRACTOR SHALL BE DEEMED ASACCEPTANCE OF THE SUBSTRATE SURFACE.	
3. THE FLOORING CONTRACTOR SHALL BE RESPONSIBLE TO DELIVER 5% EXTRA OF EACH TYPE AND COLOUR OF FLOORING REQUIRED FOR THIS PROJECT FOR LATER USE. STORE WHERE DIRECTED.	
4. A SMOOTH FLAT TRANSITION IS REQUIRED AT ALL TRANSITIONS BETWEEN VARIOUS TILE & FLOOR TYPES.	
5. ALL FINISHING MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND GOOD PRACTICES OF THE TRADE.	
6. ALL EXISTING SURFACES STRIPPED OF EXISTING FINISHES, SHALL BE ADEQUATELY PREPARED TO ACCEPT THE NEW FINISHES SPECIFIED.	
7.) ENSURE ALL SURFACE MATERIALS DRAPES, CURTAINS, AND OTHER DECORATIVE MATERIALS MEET THE STANDARD OF FLAME TEST AS CITED ON THE 2018 BC BUILDING CODE.	
FLOOR FINISHES:	
KITCHEN TILE : T-5. INCLUDE 6" OF T-5 COVE BASE. TILE TO COVER ENTIRE KITCHEN FLOOR INCLUDING UNDER KITCHEN MILLWORK. COOLER & FREEZER ALSO TO HAVE FINISHED FLOOR	

J. PETER SAUTER – PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE – AAA – AIBC – SAA

REVISIONS	NO.	DATE	DESCRIPTION
A	NOV. 14, 2023		ISSUED FOR B.P.
B			
C			
D			
E			

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PROJECT  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
43510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
FINISHES PLAN  
NOTES & SCHEDULES

SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

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DRAWING NO.

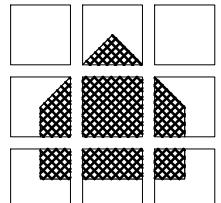
A5.0

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EMAIL : jpsauter@shaw.ca









J.P. SAUTER  
ARCHITECT

J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA

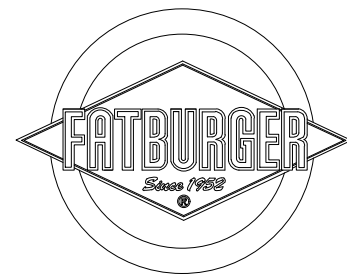
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## PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
43510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

## DRAWING TITLE

INTERIOR ELEVATIONS

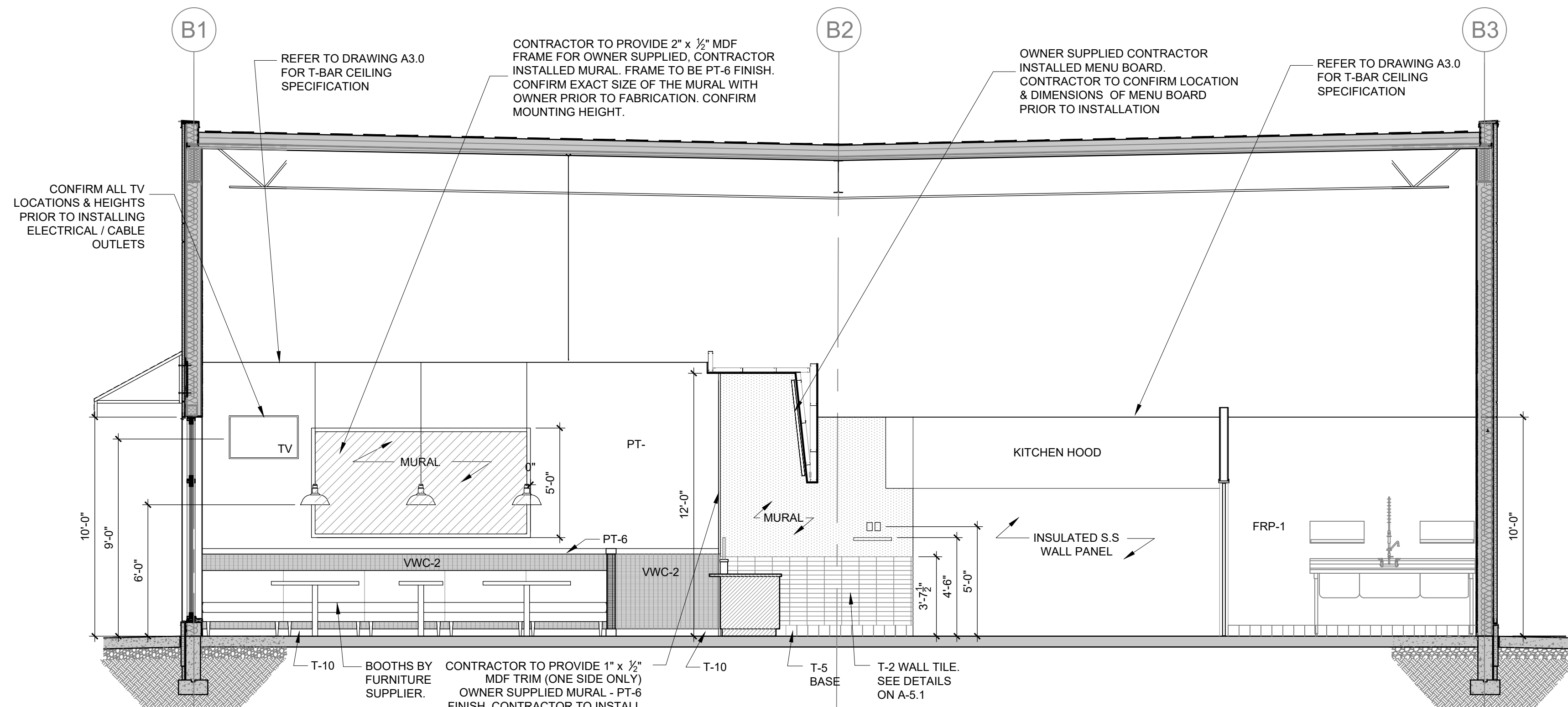
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DATE NOVEMBER / 2023  
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CHECKED JPS  
PROJ. NO. 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

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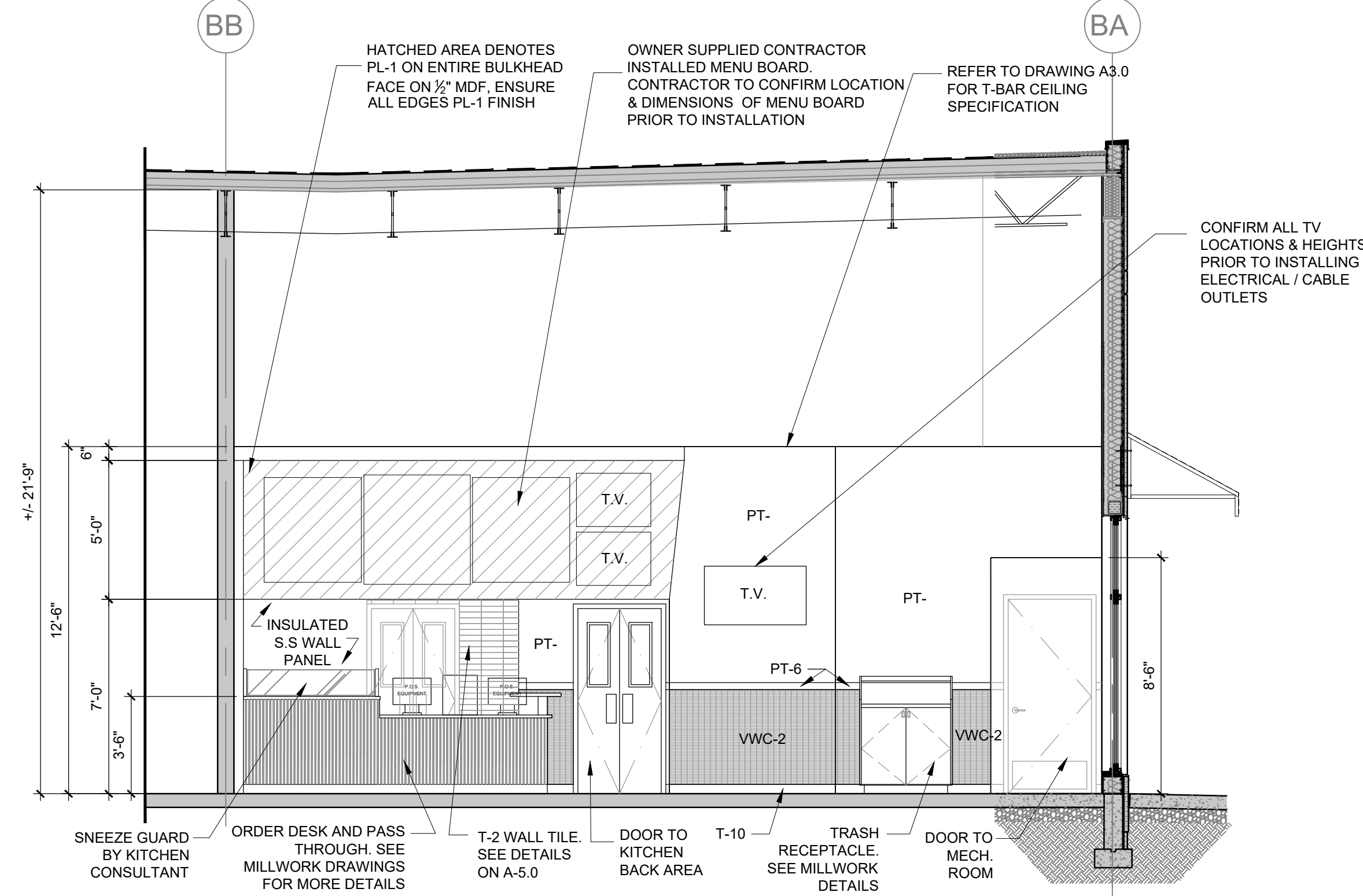
## DRAWING NO.

**A6.0**

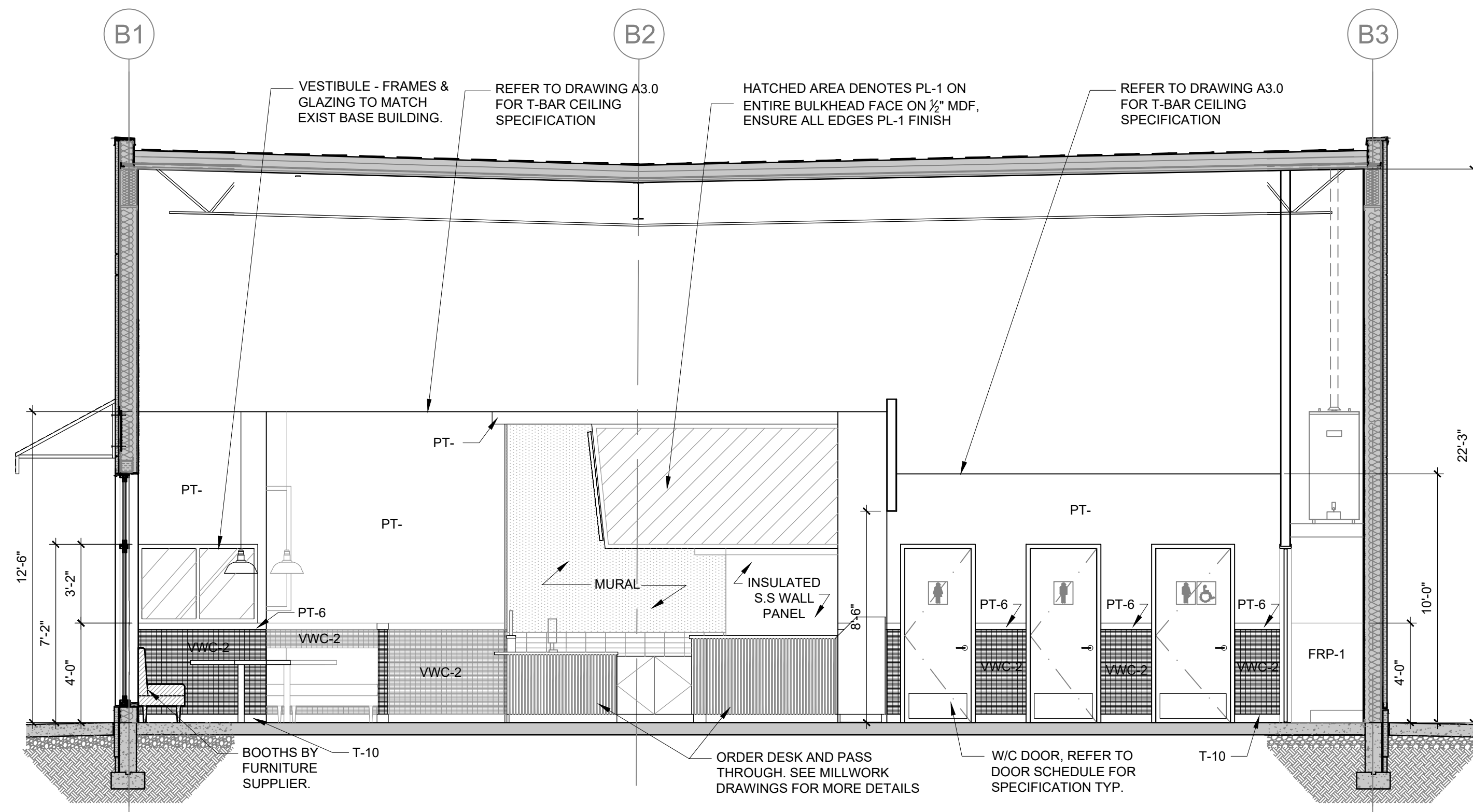
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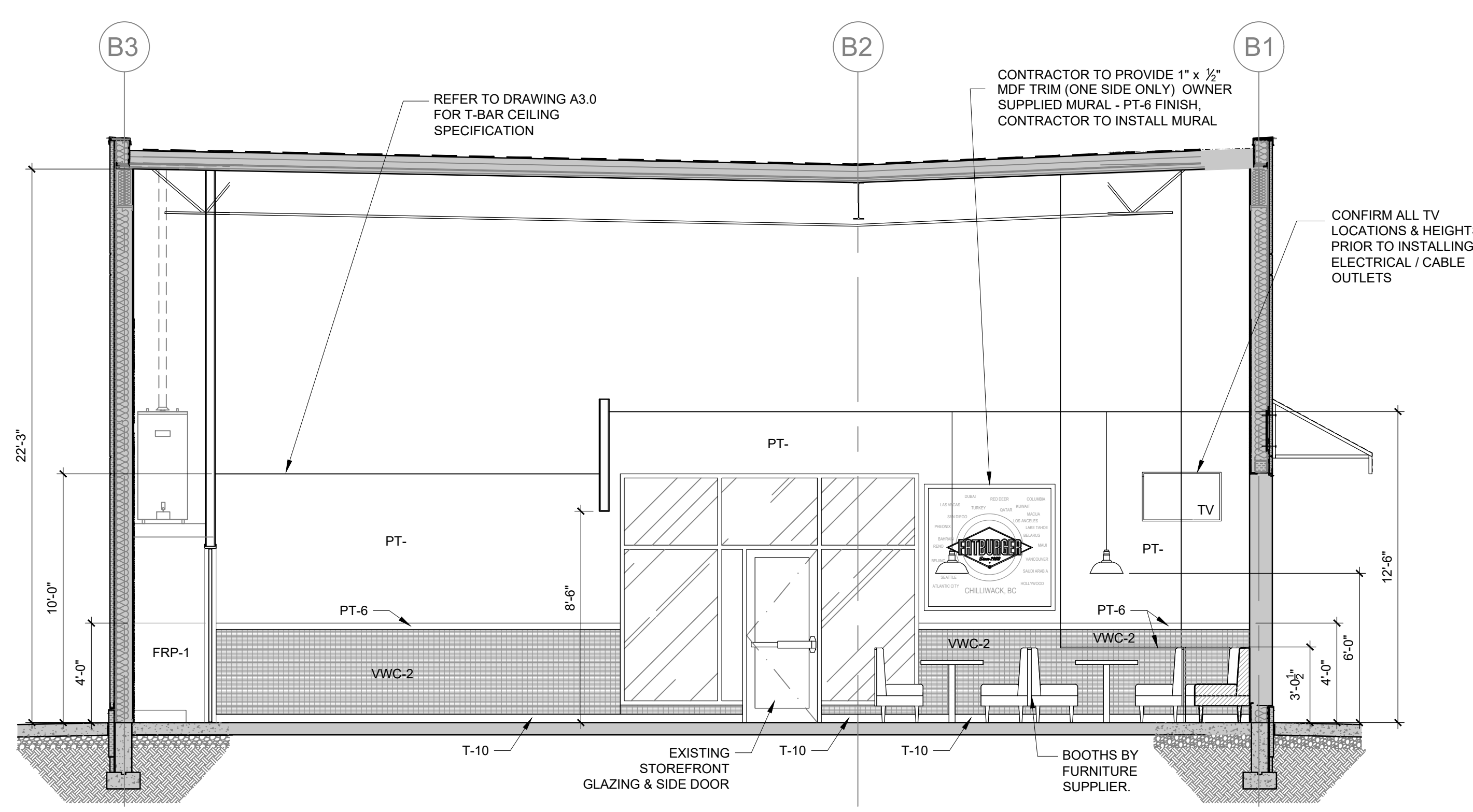
1 INTERIOR ELEVATION  
A-6.0 SCALE: 1/4" = 1'-0"



2 INTERIOR ELEVATION  
A-6.0 SCALE: 1/4" = 1'-0"

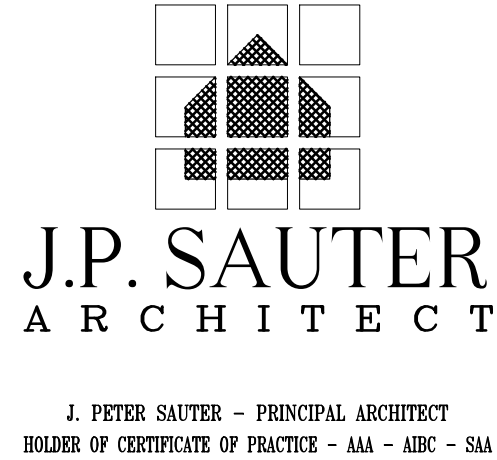
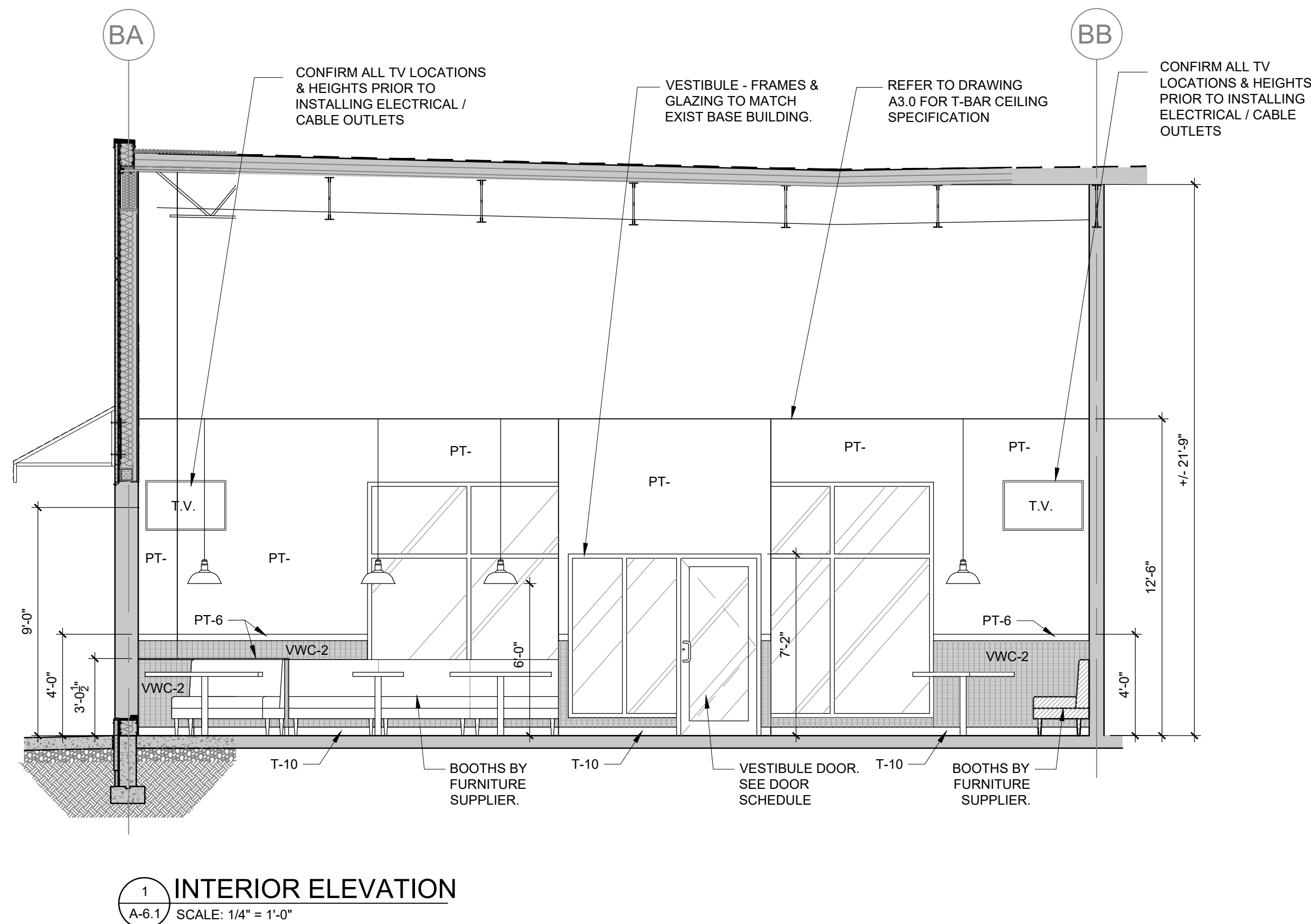


3 INTERIOR ELEVATION  
A-6.0 SCALE: 1/4" = 1'-0"



4 INTERIOR ELEVATION  
A-6.0 SCALE: 1/4" = 1'-0"





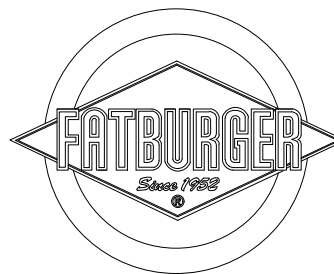
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PROJECT  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45610 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
INTERIOR ELEVATIONS

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DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO.  
(INTERICS JOB # 22.1872)

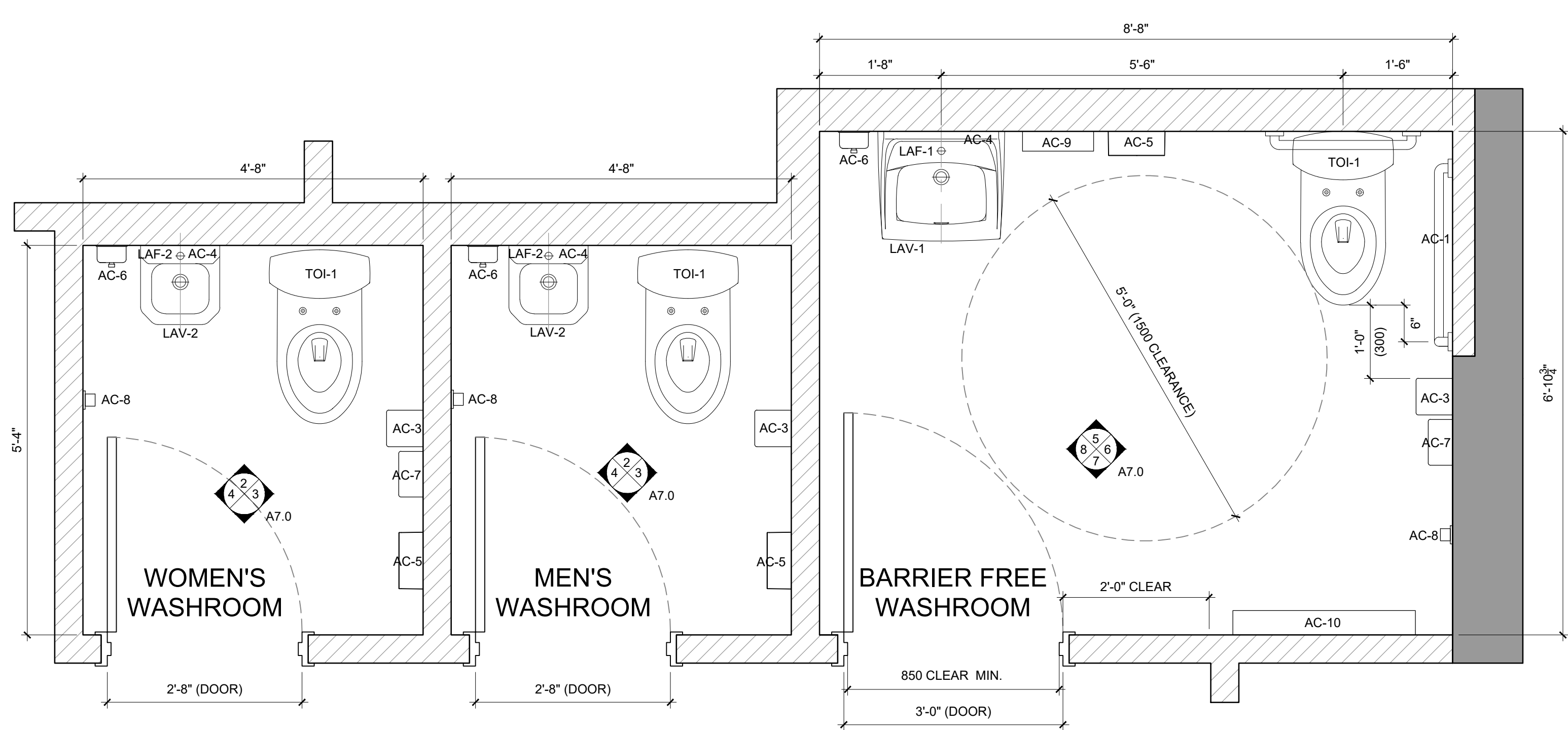
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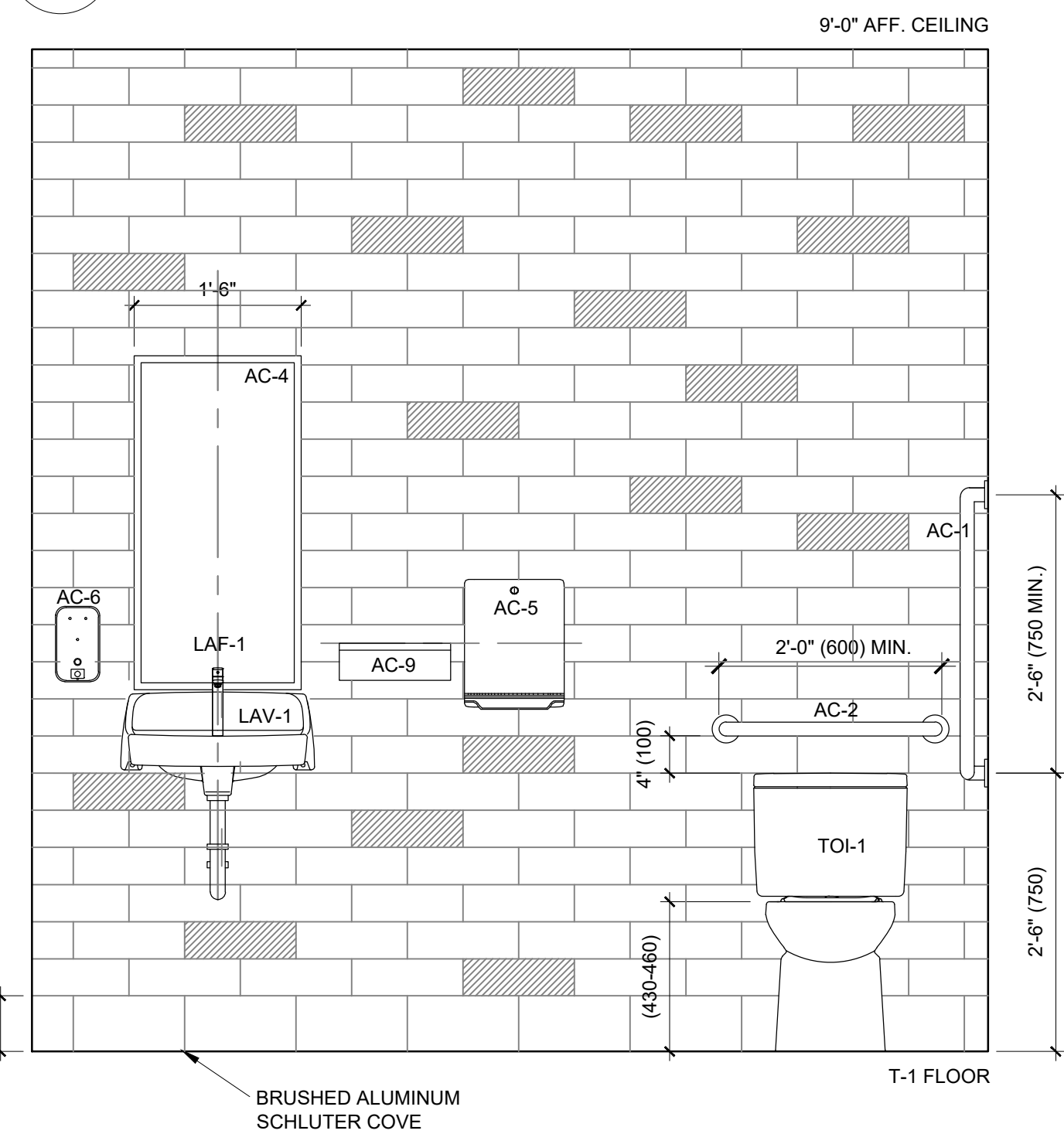
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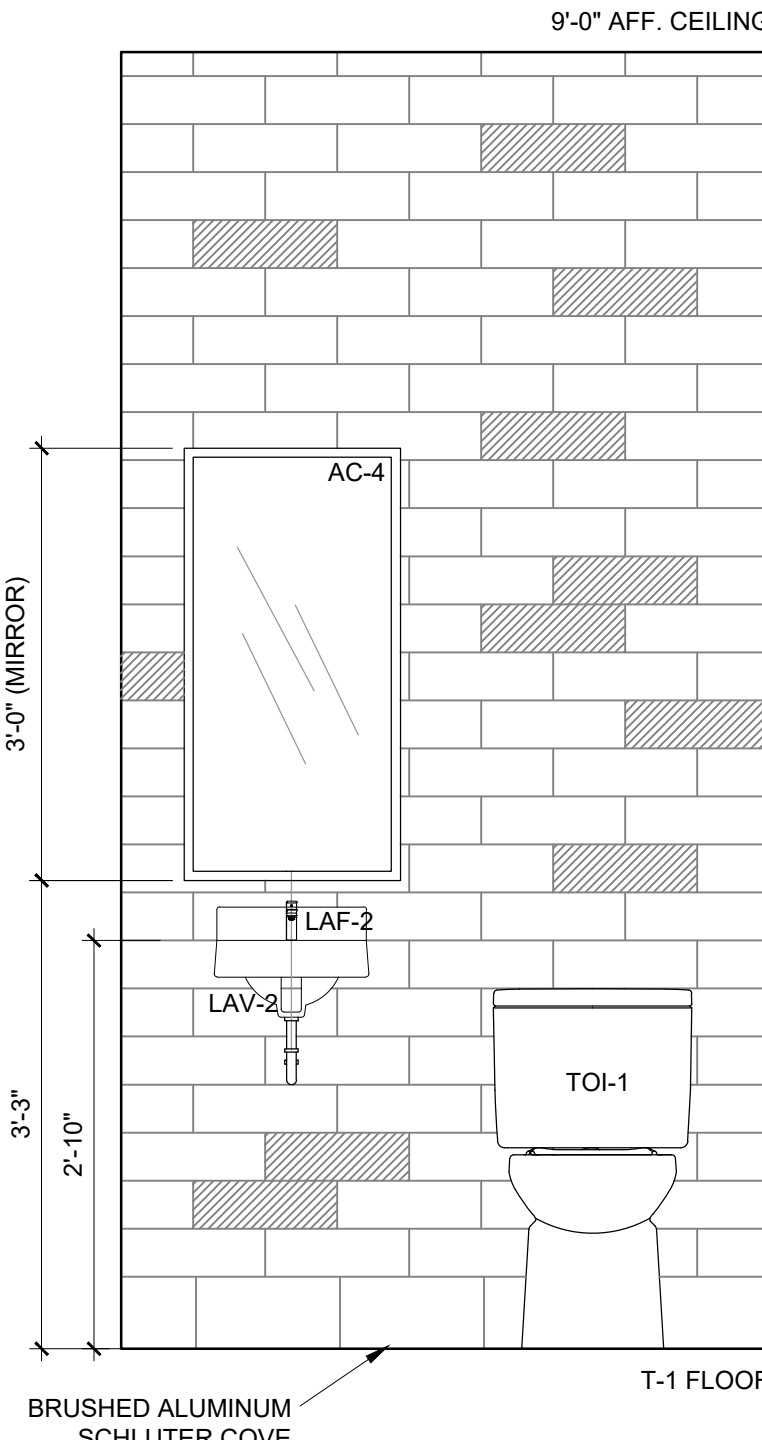




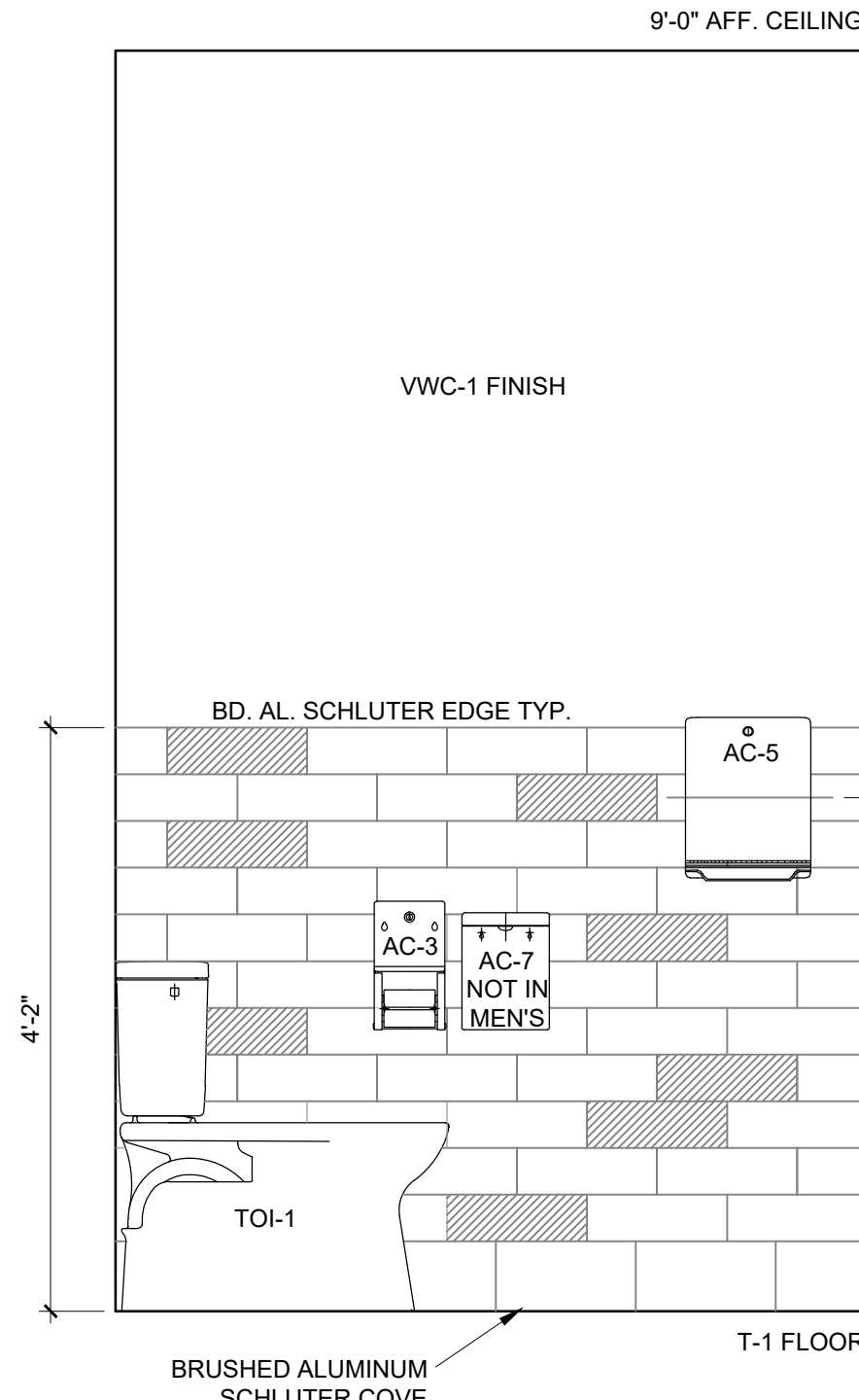
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A7.0 SCALE: 1/2" = 1'-0"



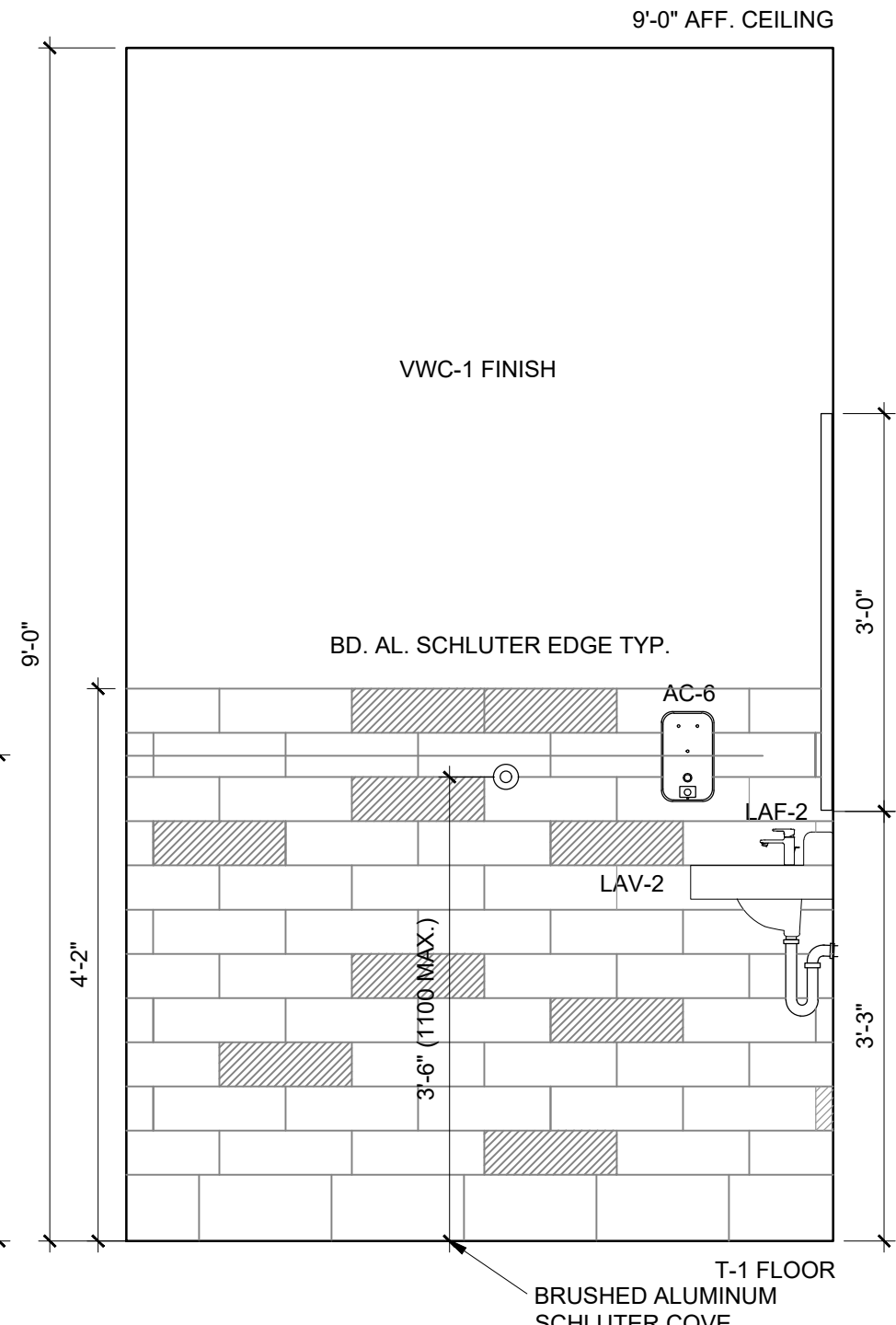
5 UNIVERSAL WC ELEV.  
A7.0 SCALE: 1/2" = 1'-0"



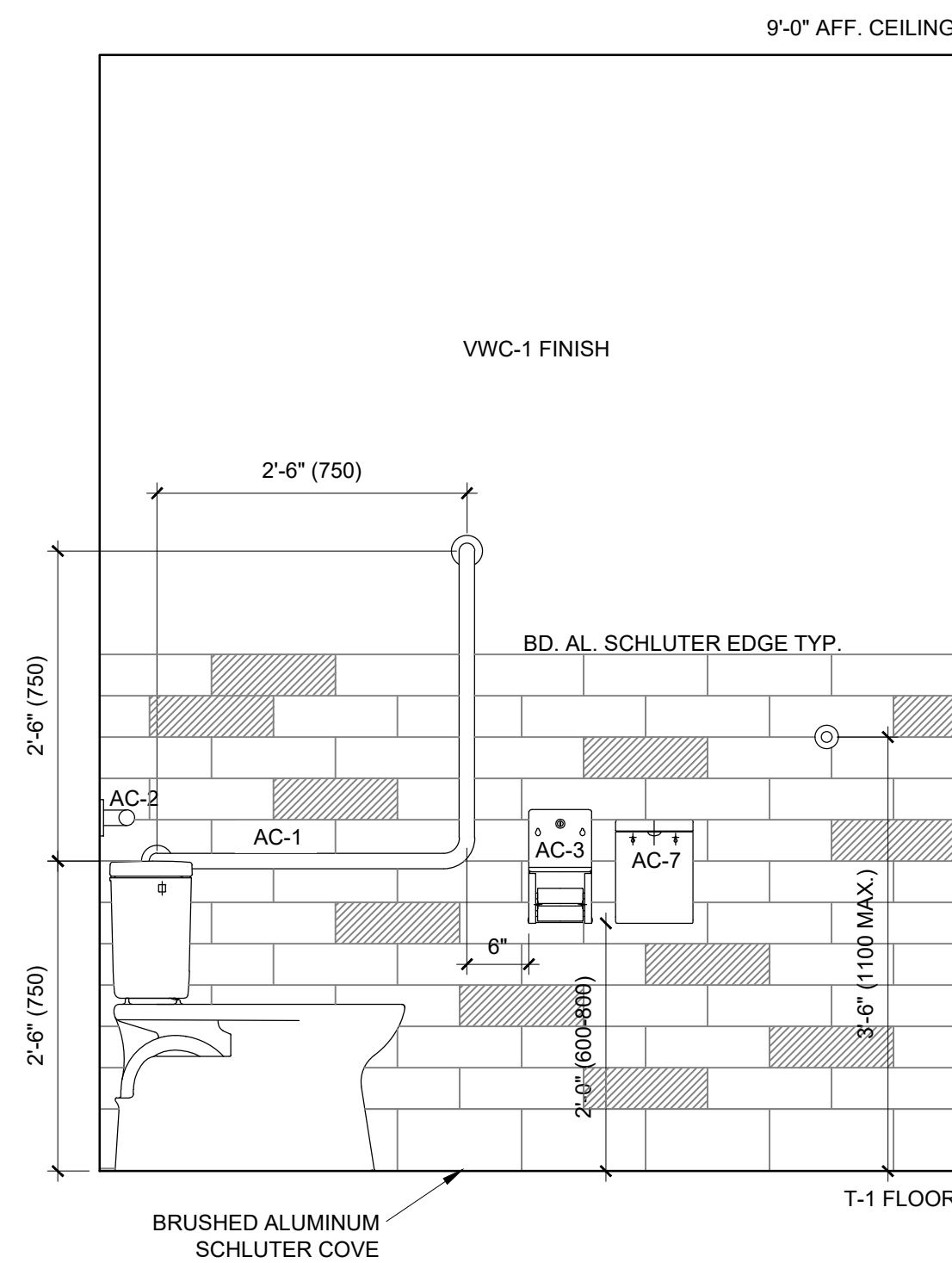
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A7.0 SCALE: 1/2" = 1'-0"



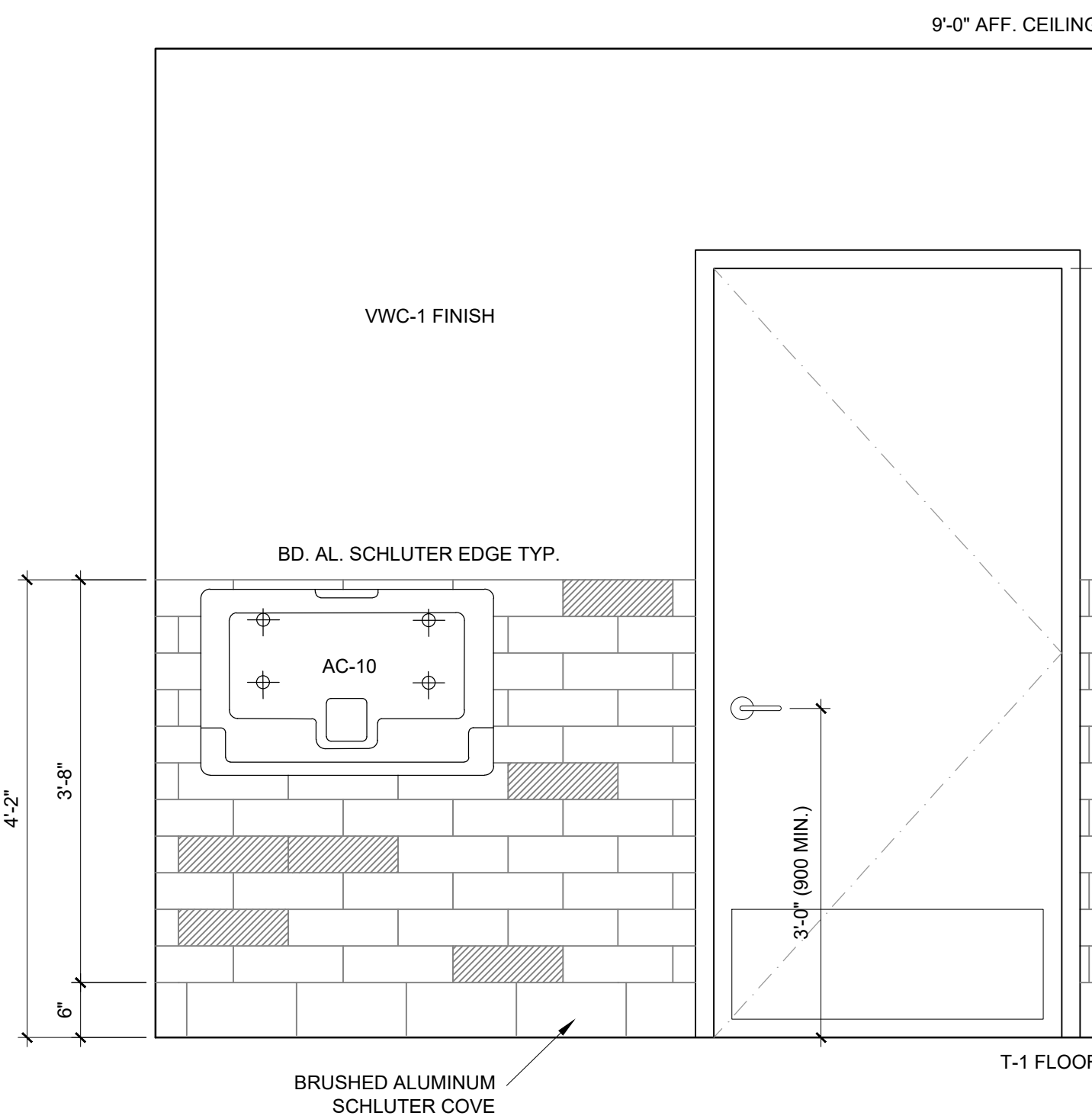
3 WASHROOM ELEV.  
A7.0 SCALE: 1/2" = 1'-0"



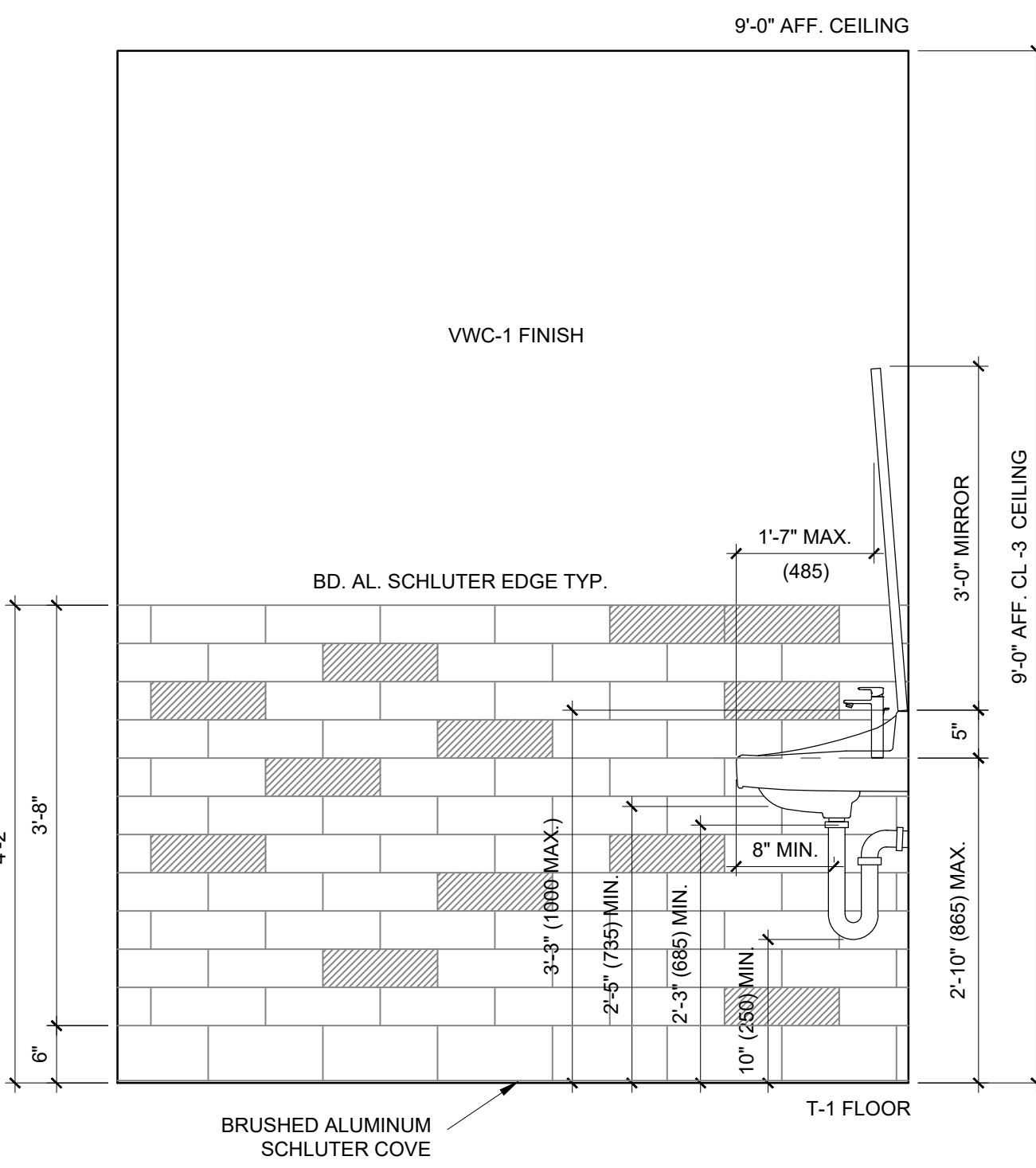
4 WASHROOM ELEV.  
A7.0 SCALE: 1/2" = 1'-0"



6 UNIVERSAL WC ELEV.  
A7.0 SCALE: 1/2" = 1'-0"



7 UNIVERSAL WC ELEV.  
A7.0 SCALE: 1/2" = 1'-0"



8 UNIVERSAL WC ELEV.  
A7.0 SCALE: 1/2" = 1'-0"

## PLUMBING NOTES

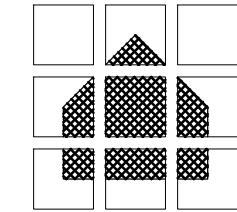
- OWNER TO SUPPLY AND CONTRACTOR INSTALL ALL WASHROOM ACCESSORIES (SEE RESPONSIBILITY MATRIX), EXCEPT DYSON DRYERS, SUPPLIED BY OWNER INSTALLED BY CONTRACTOR.
- REFER TO DRAWING A7.0 FOR EXACT LOCATIONS OF ACCESSORIES.
- ENSURE ALL PLUMBING IS LOCATED ON INTERIOR WALLS.
- CONTRACTOR SHALL PROVIDE CLEANOUTS AS REQUIRED.
- CONTRACTOR SHALL INSULATE HOT WATER LINES.
- CONTRACTOR SHALL PROVIDE ADEQUATE BACKING FOR ALL FIXTURES AND ACCESSORIES.
- CONTRACTOR TO ENSURE ALL FIXTURES ABOVE MEET LOCAL LEEDS STANDARDS FOR ENERGY AND ENVIRONMENTAL DESIGN.
- PLUMBING FIXTURES LISTED ABOVE ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
- CONFIRM ALL SPECIFICATIONS WITH OWNER
- ALL ITEMS ABOVE TO MEET BCBC 2018 3.8 ACCESSIBILITY REQUIREMENTS

## WASHROOM ACCESSORIES

NO.	TYPE	SUPPLIER	DESCRIPTION	NOTES	ETR	NEW
AC-1	GRAB BAR	FROST	1003NP 30"X30"	BCBC 3.8.3.11.(1)(e) (L-SHAPED)	-	1
AC-2	GRAB BAR	FROST	1003NP 24"	BCBC 3.8.3.11.(1)(f)	-	1
AC-3	T.P. DISPENSER	BOBRICK	B-4288 SERIES	BCBC 3.8.3.11.(1)(h)	-	3
AC-4	18" X 36" MIRROR	BOBRICK	B-290 SERIES	BCBC 3.8.3.15.(2)	-	3
AC-5	HAND DRYER	DYSON	V-BLADE	BCBC 3.8.3.15.(1)(g)	-	3
AC-6	SOAP DISPENSER	BOBRICK	B-4112 SERIES	BCBC 3.8.3.15.(1)(f)	-	3
AC-7	SANITARY NAPKIN	BOBRICK	B-270 SERIES		-	2
AC-8	COAT HOOK	BOBRICK	B-6827, S.S. FINISH	BCBC 3.8.3.11.(1)(g)	-	3
AC-9	SHELF	FROST	950-4	BCBC 3.8.3.12.(1)(h)	-	1
AC-10	CHANGE TABLE	BOBRICK	B-2200		-	1
AC-11	WASTE RECEPTACLE	FROST	CODE 303-3	SS TYPE 304 No. 4 FINISH W LINER.	-	3

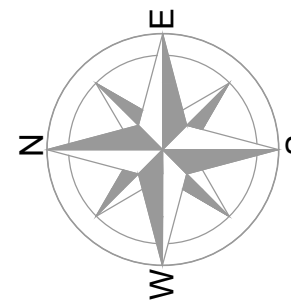
## PLUMBING FIXTURES

NO.	TYPE	SUPPLIER	DESCRIPTION	ETR	NEW
LAV-1	LAVATORY	TOTO	LT307 COTTON FINISH (TO CONFORM TO BCBC 3.8.3.15)	-	1
LAF-1	LAVATORY FAUCET	SLOAN	SENSOR FAUCET SF-2100 (POLISHED CHROME)	-	1
LAV-2	LAVATORY	TOTO	TBC	-	2
LAF-2	LAVATORY FAUCET	SLOAN	TBC (POLISHED CHROME)	-	2
TOI-1	TOILET	TOTO	VESPIN II CST474CEF ELONGATED (TO CONFORM TO BCBC 3.8.3.13)	-	3
URN-1	URINAL	N/A	NOT USED	-	-
MP-1	MOP SINK	FIAT	MOLDED STONE MOP SERVICE BASIN MSB 2424	-	1
MF-1	MOP FAUCET	MOEN	MODEL 8230 CHROME TWO HANDLE SINK FAUCET W/ FLEX HOSE	-	1



J.P. SAUTER  
ARCHITECT

J. PETER SAUTER - PRINCIPAL ARCHITECT  
HOLDER OF CERTIFICATE OF PRACTICE - AAA - AIBC - SAA



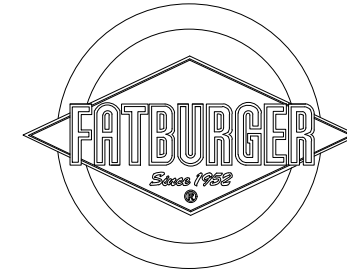
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## PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

## DRAWING TITLE

WASHROOM ELEVATIONS

SCALE AS NOTED  
DATE NOVEMBER /2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
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## DRAWING NO.

**A7.0**

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## BARRIER FREE NOTES

TO CONFORM TO 2018 BRITISH COLUMBIA BUILDING CODE

### 3.8.3.8. CONTROLS AND OUTLETS

- 1) CONTROLS DESCRIBED IN THIS SECTION SHALL
  - a) BE MOUNTED 455 MM TO 1 200 MM ABOVE THE FLOOR.
  - b) BE ADJACENT TO AND CENTRED ON EITHER THE LENGTH OR THE WIDTH OF A CLEAR FLOOR SPACE OF 1 350 MM BY 800 MM AND
  - c) BE OPERABLE
  - d) WITH ONE HAND IN A CLOSED FIST POSITION, WITHOUT REQUIRING TIGHT GRASPING, PINCHING
  - e) WITH FINGERS, OR TWISTING OF THE WRIST, AND
  - f) UNLESS OTHERWISE STATED, WITH A FORCE NOT MORE THAN 22 N.
- 2) ELECTRICAL OUTLETS DESCRIBED IN THIS SECTION SHALL BE LOCATED IN CONFORMANCE WITH CLAUSE (1)(A). (SEE NOTE A-3.8.2.6.(2).)

### 3.8.3.9. SIGNS AND INDICATORS

- 1) SIGNS REQUIRED BY ARTICLE 3.8.2.10. SHALL INCORPORATE THE INTERNATIONAL SYMBOL OF ACCESS OR THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS AND APPROPRIATE GRAPHICAL OR TEXTUAL INFORMATION THAT CLEARLY INDICATES THE TYPE OF FACILITIES AVAILABLE. (SEE NOTE A-3.8.3.9.(1).)
- 2) SIGNS REQUIRED BY SENTENCE (1) SHALL
  - a) BE LOCATED SO AS TO BE EASILY READ AND UNDERSTOOD.
  - b) BE LOCATED SO AS TO BE SEEN BY A PERSON USING A WHEELCHAIR.
  - c) BE LOCATED SO AS TO AVOID SHADOW AREAS AND SURFACE GLARE, AND
  - d) HAVE CHARACTERS AND SYMBOLS IN COLOURS THAT CONTRAST HIGHLY WITH THEIR BACKGROUNDS.
- 3) WHERE PROVIDED, TACTILE WALKING SURFACE INDICATORS SHALL
  - a) BE SLIP-RESISTANT,
  - b) BE DURABLE,
  - c) BE NOT MORE THAN 3 MM ABOVE OR BELOW THE SURROUNDING SURFACE,
  - d) BE DETECTABLE WHEN WALKED UPON, AS BEING DIFFERENT FROM THE SURROUNDING SURFACE,
  - e) BE IN A CONTRASTING COLOUR TO THE SURROUNDING SURFACE, AND
  - f) WHEN PROVIDED AT STAIRS.
- 4) BE LOCATED ONE TREAD WIDTH BACK FROM THE TOP RISER, AND
- 5) MEASURE 600 MM TO 650 MM BY THE FULL WIDTH OF THE STAIR, AND
- 6) WHEN PROVIDED ON RAMPS OR PLATFORMS.
- 7) BE LOCATED 150 MM TO 200 MM BACK FROM THE LOWER END OF THE RAMP OR EDGE OF PLATFORM, AND
- 8) MEASURE 600 MM TO 650 MM BY THE FULL WIDTH OF THE RAMP OR PLATFORM, BUT NOT INCLUDING FLARED SIDES OF THE RAMP. (SEE NOTE A-3.8.3.9.(5).)

### 3.8.3.10. DRINKING FOUNTAINS

- 1) DRINKING FOUNTAINS REQUIRED BY SENTENCE 3.8.2.8.(9) SHALL
  - a) BE LOCATED ALONG AN ACCESSIBLE PATH OF TRAVEL,
  - b) HAVE A MINIMUM CLEAR FLOOR SPACE OF 800 MM BY 1350 MM IN FRONT OF IT,
  - c) WHERE IT HAS ACCESS, PROVIDE A KNEE CLEARANCE IN ACCORDANCE WITH CLAUSE 3.8.3.15.(1)(D).
  - d) HAVE A SPOUT THAT
  - e) IS LOCATED NEAR THE FRONT OF THE UNIT, AT A HEIGHT BETWEEN 750 MM AND 915 MM ABOVE THE FLOOR, AND
  - f) DIRECTS WATER FLOW IN A TRAJECTORY THAT IS NEARLY PARALLEL TO THE FRONT OF THE UNIT, AT A HEIGHT NOT LESS THAN 100 MM, AND
  - g) BE EQUIPPED WITH CONTROLS THAT
  - h) ACTIVATE AUTOMATICALLY, OR
  - i) ARE LOCATED EITHER ON THE FRONT OR ON BOTH SIDES OF IT AND COMPLY WITH CLAUSE 3.8.3.8.(1)(C).

### 3.8.3.11. WATER-CLOSET STALLS

- 1) WATER-CLOSET STALLS AND ENCLOSURES REQUIRED BY SENTENCE 3.8.2.8.(5) SHALL
  - a) BE NOT LESS THAN 1500 MM WIDE BY 1500 MM DEEP,
  - b) HAVE A CLEAR FLOOR SPACE OF NOT LESS THAN 1500 MM BY 1500 MM IN FRONT OF THE ACCESSIBLE STALL,
  - c) BE EQUIPPED WITH A DOOR THAT
  - d) CAN BE LATCHED FROM THE INSIDE WITH A MECHANISM CONFORMING TO CLAUSE 3.8.3.8.(1)(C).
  - e) IS ALIGNED WITH EITHER THE TRANSFER SPACE ADJACENT TO THE WATER CLOSET OR WITH A CLEAR FLOOR SPACE NOT LESS THAN 1500 MM BY 1500 MM WITHIN THE STALL,
  - f) PROVIDES A CLEAR OPENING NOT LESS THAN 850 MM WIDE WHEN MEASURED IN ACCORDANCE WITH CLAUSES 3.8.3.(2)(a) AND (B).
  - g) IS SELF-CLOSING SO THAT, WHEN AT REST, THE DOOR IS AJAR BY NOT MORE THAN 50 MM BEYOND THE JAMB,
  - h) SWINGS OUTWARD, UNLESS THERE IS A CLEAR FLOOR SPACE WITHIN THE STALL OF AT LEAST 800 MM BY 1350 MM PLUS THE ARC OF THE DOOR SWING (SEE NOTE A-3.8.3.11.(1)(C)(V)).
  - i) WHERE THE DOOR SWINGS OUTWARD, IS PROVIDED WITH A HORIZONTAL, D-SHAPED, VISUALLY CONTRASTING DOOR PULL NOT LESS THAN 140 MM LONG LOCATED ON THE INSIDE SUCH THAT ITS MIDPOINT IS 200 MM TO 300 MM FROM THE HINGED SIDE OF THE DOOR AND 900 MM TO 1 100 MM ABOVE THE FLOOR (SEE NOTE A-3.8.3.11.(1)(C)(VI)).
  - j) IS PROVIDED WITH A HORIZONTAL, D-SHAPED, VISUALLY CONTRASTING DOOR PULL NOT LESS THAN 140 MM LONG LOCATED ON THE OUTSIDE SUCH THAT ITS MIDPOINT IS 120 MM TO 220 MM FROM THE LATCH SIDE AND 900 MM TO 1 100 MM ABOVE THE FLOOR.
  - k) HAVE A WATER CLOSET LOCATED SO THAT THE DISTANCE BETWEEN THE CENTRE LINE OF THE FIXTURE AND THE WALL ON ONE SIDE IS 460 MM TO 480 MM,
  - l) BE EQUIPPED WITH AN L-SHAPED GRAB BAR THAT
  - m) IS MOUNTED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET,
  - n) HAS HORIZONTAL AND VERTICAL COMPONENTS NOT LESS THAN 760 MM LONG MOUNTED WITH THE HORIZONTAL COMPONENT 750 MM TO 850 MM ABOVE THE FLOOR AND THE VERTICAL COMPONENT 150 MM IN FRONT OF THE WATER CLOSET (SEE NOTE A-3.8.3.11.(1)(E)(III)).
  - o) COMPLIES WITH ARTICLE 3.7.2.8.,
  - p) BE EQUIPPED WITH EITHER ONE GRAB BAR AT LEAST 600 MM LONG AND CENTRED OVER THE WATER CLOSET, OR TWO GRAB BARS AT LEAST 300 MM LONG AND LOCATED EITHER SIDE OF THE FLUSH VALVE, THAT
  - q) CONFORM TO ARTICLE 3.7.2.8.,
  - r) ARE MOUNTED ON THE REAR WALL, AND
  - s) ARE MOUNTED AT THE SAME HEIGHT AS THE GRAB BAR ON THE SIDE WALL OR

- t) 100 MM ABOVE THE TOP OF THE ATTACHED WATER TANK, IF APPLICABLE, BE EQUIPPED WITH A COAT HOOK MOUNTED NOT MORE THAN 1200 MM ABOVE THE FLOOR ON A SIDE WALL AND PROJECTING NOT MORE THAN 50 MM FROM THE WALL, AND
- u) BE EQUIPPED WITH A TOILET PAPER DISPENSER MOUNTED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET SUCH THAT
- v) THE BOTTOM OF THE DISPENSER IS 600 MM TO 800 MM ABOVE THE FLOOR, AND
- w) THE CLOSEST EDGE OF THE DISPENSER IS NOT MORE THAN 300 MM FROM THE FRONT OF THE WATER CLOSET.

### 3.8.3.12. UNIVERSAL WASHROOMS

(SEE NOTE A-3.8.3.12.)

- 1) A UNIVERSAL WASHROOM SHALL
  - a) BE SERVED BY AN ACCESSIBLE PATH OF TRAVEL,
  - b) HAVE A DOOR COMPLYING WITH ARTICLE 3.8.3.6. THAT
  - c) HAS A LATCH-OPERATING MECHANISM LOCATED 900 MM TO 1 100 MM ABOVE THE FLOOR THAT COMPLIES WITH CLAUSE 3.8.3.8.(1)(C) AND IS CAPABLE OF BEING LOCKED FROM THE INSIDE, AND RELEASED FROM THE OUTSIDE IN CASE OF EMERGENCY, AND
  - d) IF IT IS AN OUTWARD SWINGING DOOR THAT IS NOT SELF-CLOSING, IS PROVIDED WITH A HORIZONTAL, D-SHAPED, VISUALLY CONTRASTING DOOR PULL NOT LESS THAN 140 MM LONG LOCATED ON THE INSIDE SUCH THAT ITS MIDPOINT IS 200 MM TO 300 MM FROM THE HINGED SIDE OF THE DOOR AND 900 MM TO 1 100 MM ABOVE THE FLOOR (SEE NOTE A-3.8.3.11.(1)(C)(VI)).
  - e) HAVE ONE LAVATORY AND ONE MIRROR CONFORMING TO ARTICLE 3.8.3.15.,
  - f) HAVE ONE WATER CLOSET CONFORMING TO ARTICLE 3.8.3.13. AND CLAUSE 3.8.3.11.(1)(D), WITH A CLEAR FLOOR SPACE AT LEAST 900 MM WIDE THAT IS PARALLEL AND ADJACENT TO THE OPEN SIDE OF THE WATER CLOSET,
  - g) HAVE GRAB BARS CONFORMING TO CLAUSES 3.8.3.11.(1)(E) AND (F),
  - h) HAVE A COAT HOOK CONFORMING TO CLAUSE 3.8.3.11.(1)(G),
  - i) HAVE A TOILET PAPER DISPENSER CONFORMING TO CLAUSE 3.8.3.11.(1)(H), UNLESS COUNTER SPACE OF NOT LESS THAN 200 MM BY 400 MM IS PROVIDED, HAVE A SHELF LOCATED NOT MORE THAN 1200 MM ABOVE THE FLOOR WITH A USEABLE SURFACE OF NOT LESS THAN 200 MM BY 400 MM, AND
  - j) HAVE A CLEAR FLOOR SPACE OF NOT LESS THAN
    - i) 3.7 M<sup>2</sup> WITH NO DIMENSION LESS THAN 1 700 MM WHEN THE DOOR SWINGS OUT, AND
    - ii) 4.0 M<sup>2</sup> WITH NO DIMENSION LESS THAN 1 800 MM WHEN THE DOOR SWINGS IN.

### 3.8.3.13. WATER CLOSETS

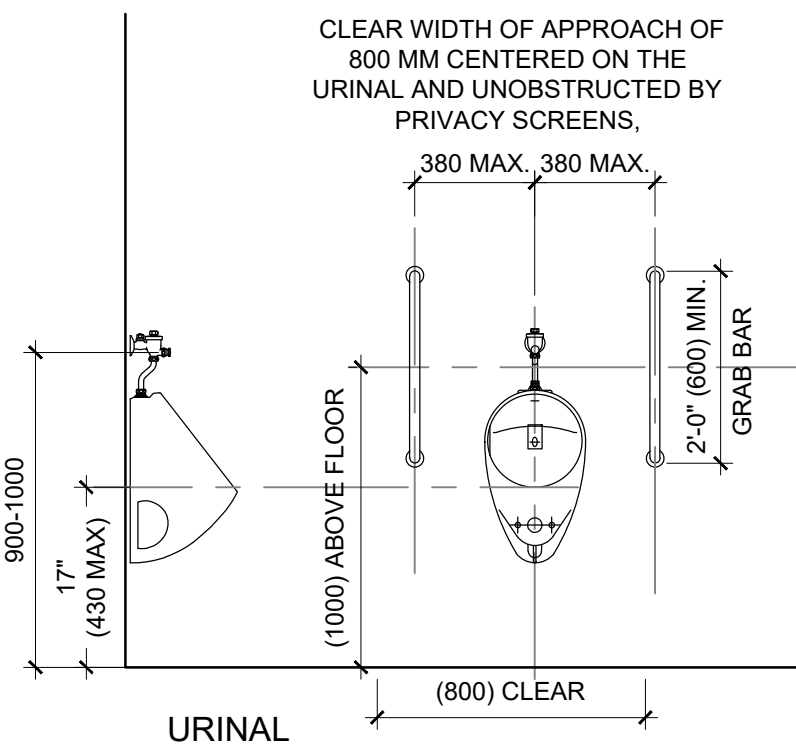
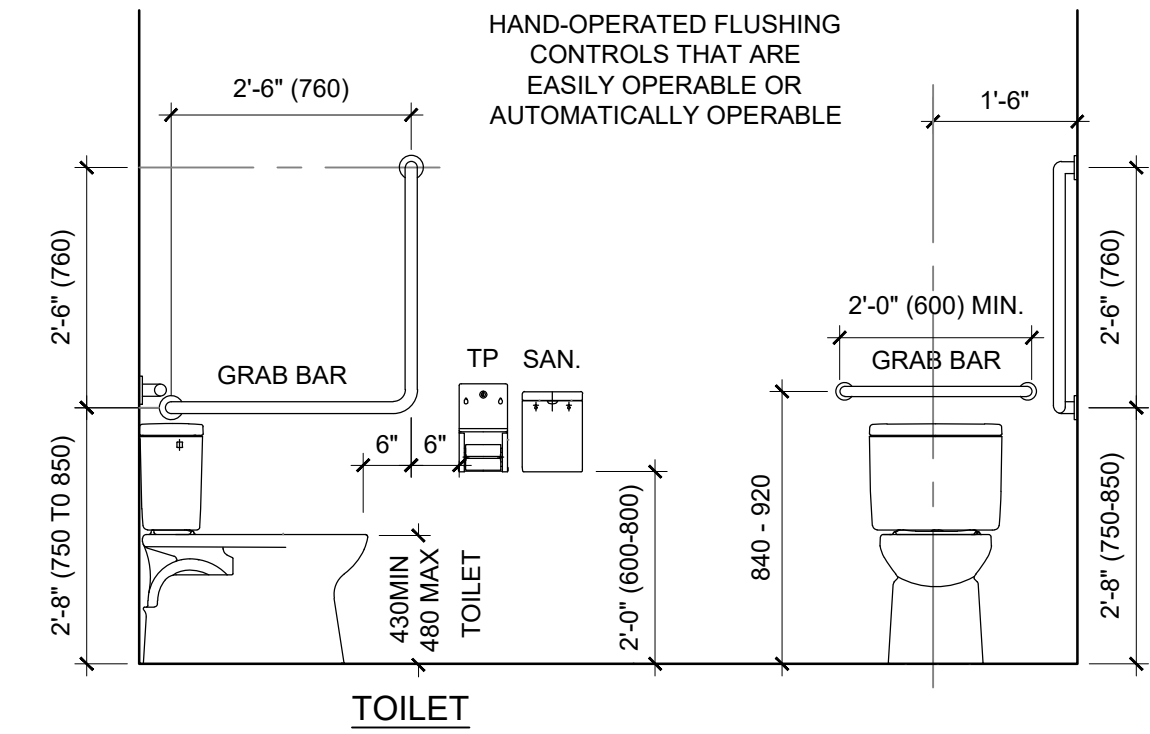
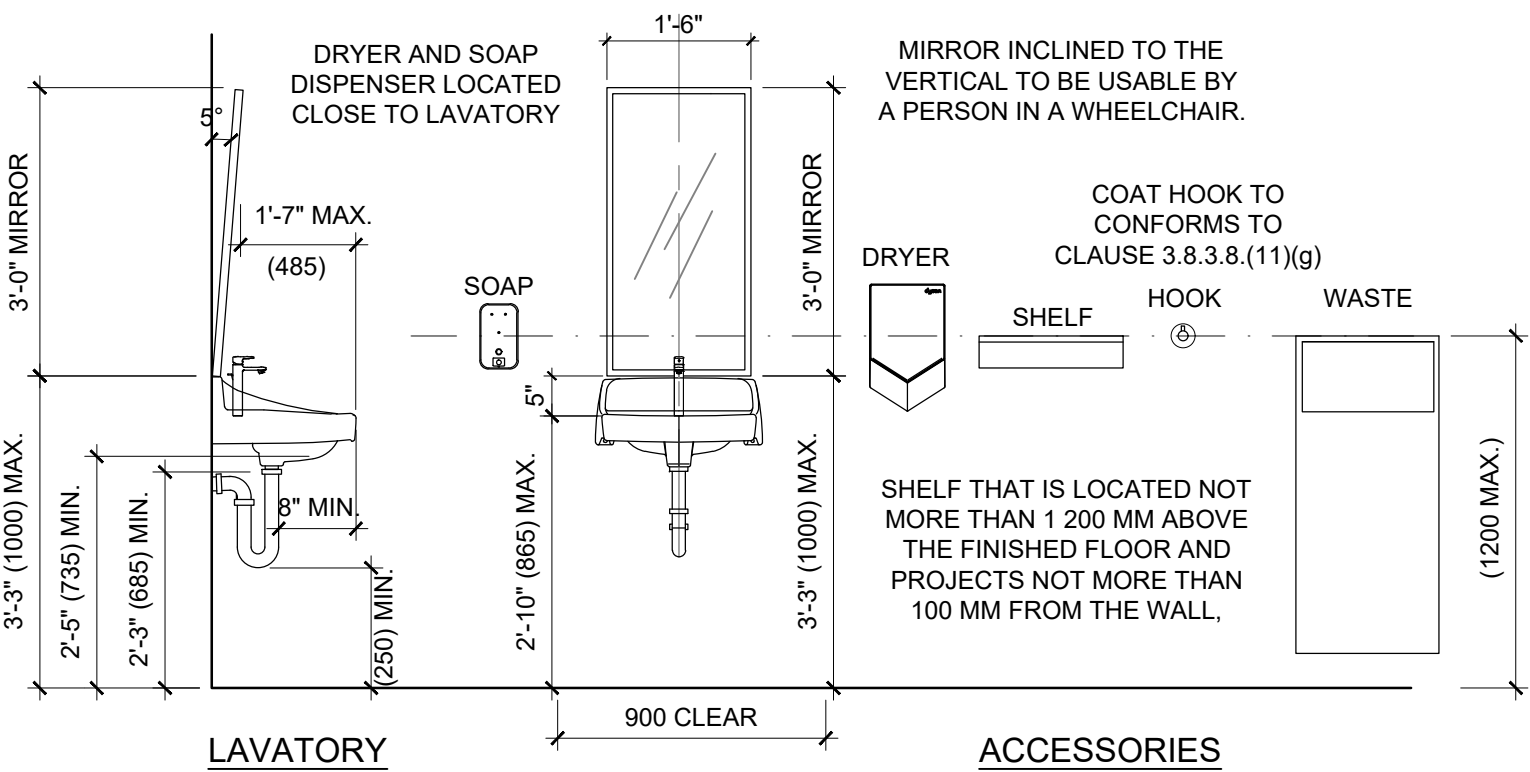
- 1) A WATER CLOSET FOR A PERSON WITH PHYSICAL DISABILITIES SHALL
  - a) BE EQUIPPED WITH A SEAT THAT IS NOT THE SPRING-UP TYPE LOCATED 430 MM TO 480 MM ABOVE THE FLOOR,
  - b) FLUSH AUTOMATICALLY OR BE EQUIPPED WITH A FLUSHING CONTROL THAT
  - c) IS LOCATED 500 MM TO 900 MM ABOVE THE FLOOR,
  - d) IS LOCATED NOT MORE THAN 350 MM FROM THE TRANSFER SIDE, AND
  - e) COMPLIES WITH CLAUSE 3.8.3.8.(1)(C), DIVISION B: ACCEPTABLE SOLUTIONS PART 3 – FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY BRITISH COLUMBIA BUILDING CODE 2018 DIVISION B
  - f) BE EQUIPPED WITH A SEAT LID OR OTHER BACK SUPPORT, AND
  - g) WHERE IT HAS A TANK, HAVE A SECURELY ATTACHED TANK TOP. (SEE NOTE A-3.8.3.13.(1).)

### 3.8.3.14. URINALS

- 1) URINALS DESCRIBED IN SENTENCE 3.8.2.8.(6) SHALL
  - a) BE WALL-MOUNTED OR FLOOR MOUNTED, WITH THE OPENING OF THE BASIN LOCATED NOT MORE THAN 430 MM ABOVE THE FLOOR,
  - b) BE ADJACENT TO AN ACCESSIBLE ROUTE
  - c) HAVE A CLEAR WIDTH OF APPROACH OF 800 MM CENTRED ON THE URINAL AND UNOBSTRUCTED BY PRIVACY SCREENS,
  - d) HAVE NO STEP IN FRONT OF IT,
  - e) HAVE A FLUSH CONTROL THAT
  - f) IS AUTOMATIC, OR
  - g) COMPLIES WITH CLAUSE 3.8.3.8.(1)(C) AND IS LOCATED 900 MM TO 1100 MM ABOVE THE FLOOR, AND
  - h) HAVE A VERTICALLY MOUNTED GRAB BAR INSTALLED ON EACH SIDE THAT
  - i) COMPLIES WITH ARTICLE 3.7.2.8.,
  - j) IS NOT LESS THAN 600 MM LONG, WITH ITS CENTRE LINE 1000 MM ABOVE THE FLOOR, AND
  - k) IS LOCATED NOT MORE THAN 380 MM FROM THE CENTRE LINE OF THE URINAL.

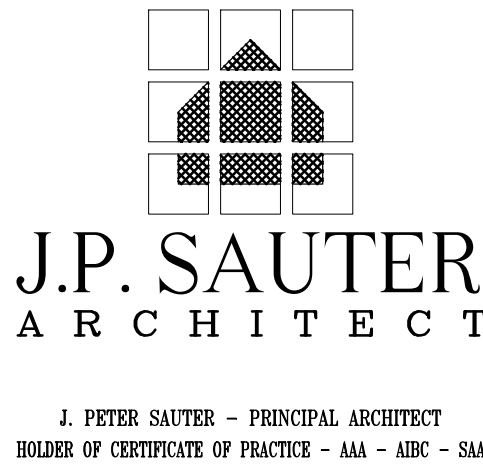
### 3.8.3.15. LAVATORIES AND MIRRORS

- 1) LAVATORIES REQUIRED BY SENTENCE 3.8.2.8.(7) SHALL
  - a) BE EQUIPPED WITH FAUCETS COMPLYING WITH SENTENCE 3.7.2.3.(4),
  - b) BE LOCATED TO PROVIDE A CLEAR FLOOR SPACE IN FRONT OF THE LAVATORY OF NOT LESS THAN 920 MM WIDE BY 1 350 MM DEEP CENTERED ON THE LAVATORY,
  - c) HAVE A RIM HEIGHT NOT MORE THAN 865 MM ABOVE THE FLOOR,
  - d) HAVE A CLEARANCE BENEATH THE LAVATORY NOT LESS THAN 760 MM WIDE,
  - e) 735 MM HIGH AT THE FRONT EDGE,
  - f) 685 MM HIGH AT A POINT 250 MM BACK FROM THE FRONT EDGE, AND
  - g) 250 MM HIGH TO A POINT 500 MM BACK FROM THE FRONT EDGE, (SEE NOTE A-3.8.3.15.(1)(D)).
  - h) HAVE INSULATED WATER SUPPLY AND DRAIN PIPES WHERE THESE PIPES ARE EXPOSED (SEE NOTE A-3.8.3.15.(1)(E)).
  - i) HAVE A SOAP DISPENSER THAT
  - j) IS AUTOMATIC, OR
  - k) COMPLIES WITH CLAUSE 3.8.3.8.(1)(C) AND IS LOCATED NOT MORE THAN 1100 MM ABOVE THE FLOOR, WITHIN 500 MM FROM THE FRONT OF THE LAVATORY (SEE NOTE A-3.8.3.15.(1)(F)).
  - l) AND
  - m) HAVE A TOWEL DISPENSER OR OTHER HAND-DRYING EQUIPMENT LOCATED CLOSE TO THE LAVATORY, WITH OPERATING CONTROLS NOT MORE THAN 1200 MM ABOVE THE FLOOR IN AN AREA THAT IS ACCESSIBLE TO PERSONS USING WHEELCHAIRS.
- 2) MIRRORS REQUIRED BY SENTENCE 3.8.2.8.(8) SHALL BE
  - a) MOUNTED WITH THEIR BOTTOM EDGE NOT MORE THAN 1000 MM ABOVE THE FLOOR, OR
  - b) FIXED IN AN INCLINED POSITION SO AS TO BE USABLE BY A PERSON USING A WHEELCHAIR.



## 1 TYPICAL WASHROOM ELEVATIONS

A7.1 SCALE: 1/2" = 1'-0"



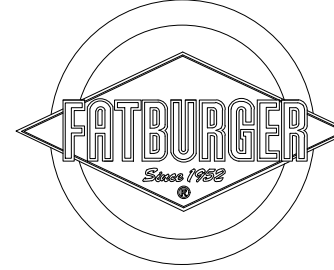
NO.	REVISIONS	DATE	DESCRIPTION
A	NOV. 14, 2023	ISSUED FOR B.P.	
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C			
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### ELECTRICAL / MECHANICAL ENGINEERS



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## PROJECT

FATBURGER, CHILLIWACK MALL  
UNIT # B1  
43510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

## DRAWING TITLE

BARRIER FREE DETAILS  
NOTES

SCALE AS NOTED  
DATE NOVEMBER/2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO. 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

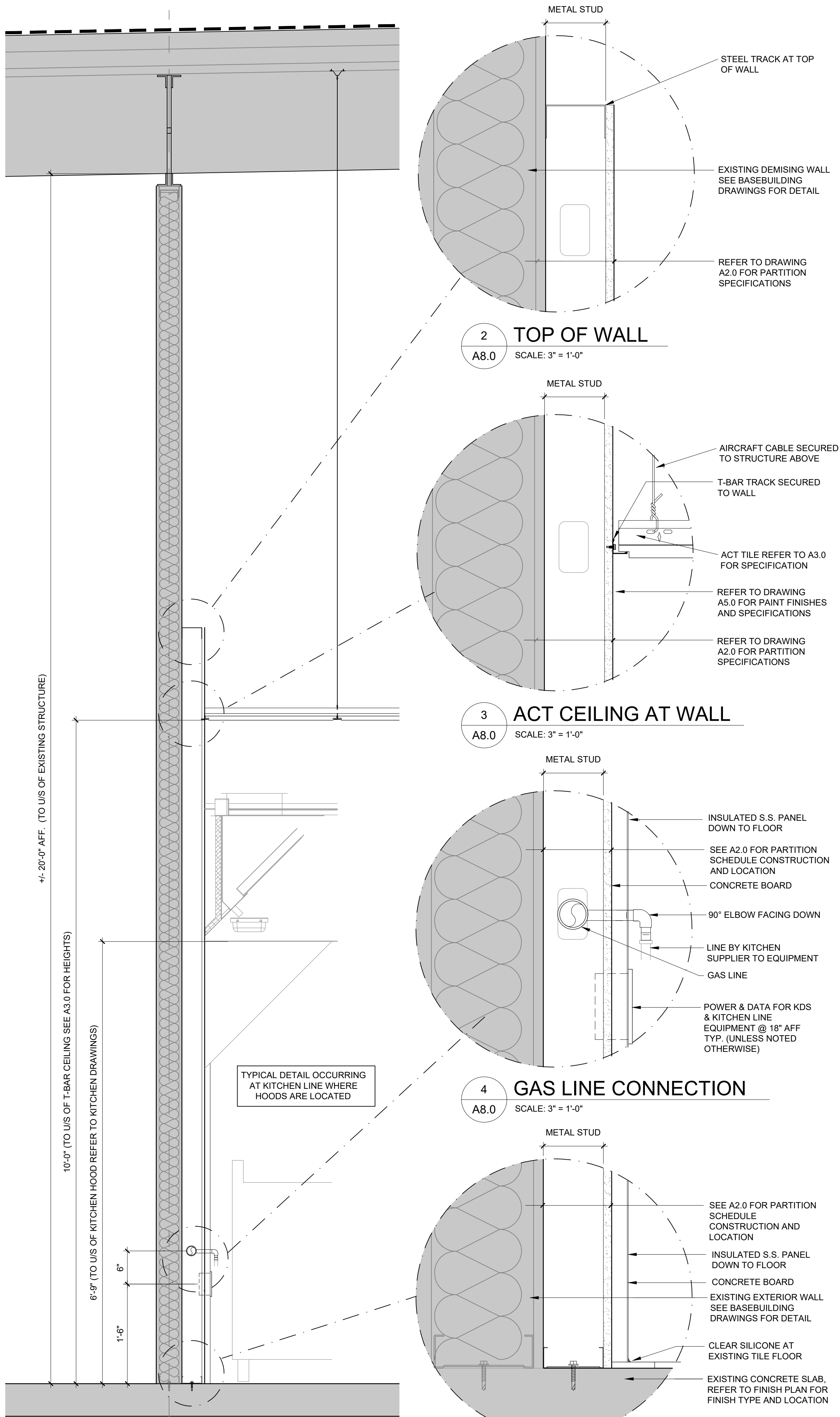
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## DRAWING NO.

# A7.1

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EMAIL : jpsauter@shaw.ca





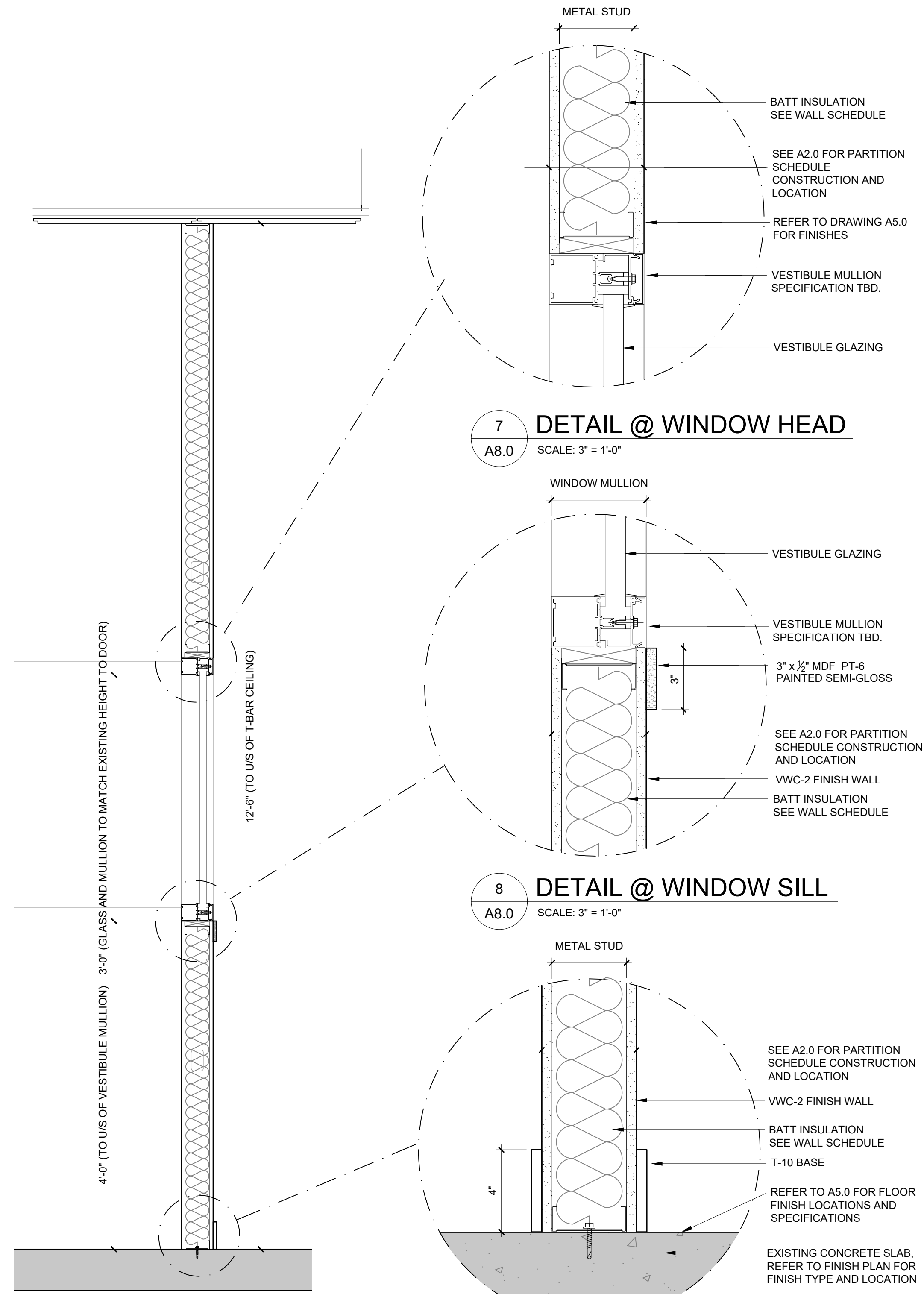
1 FURR OUT @ KITCHEN HOOD  
A8.0 SCALE: 1" = 1'-0"

5 SS PANEL BASE DETAIL  
A8.0 SCALE: 3" = 1'-0"

6 VESTIBULE GLAZING  
A8.0 SCALE: 1" = 1'-0"

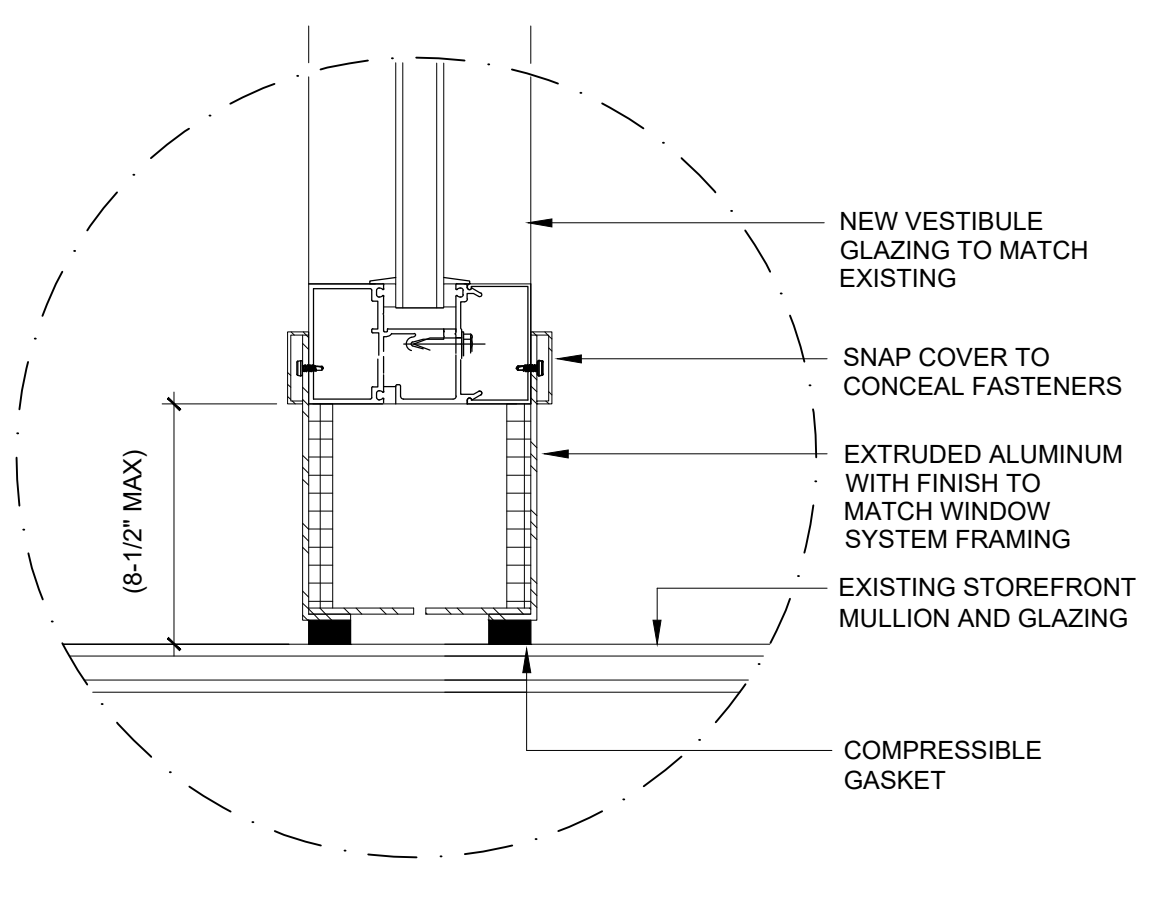
9 WALL AT EXISTING FLOOR  
A8.0 SCALE: 3" = 1'-0"

11 WALL @ DECK CONNECTION  
A8.0 SCALE: 3" = 1'-0"

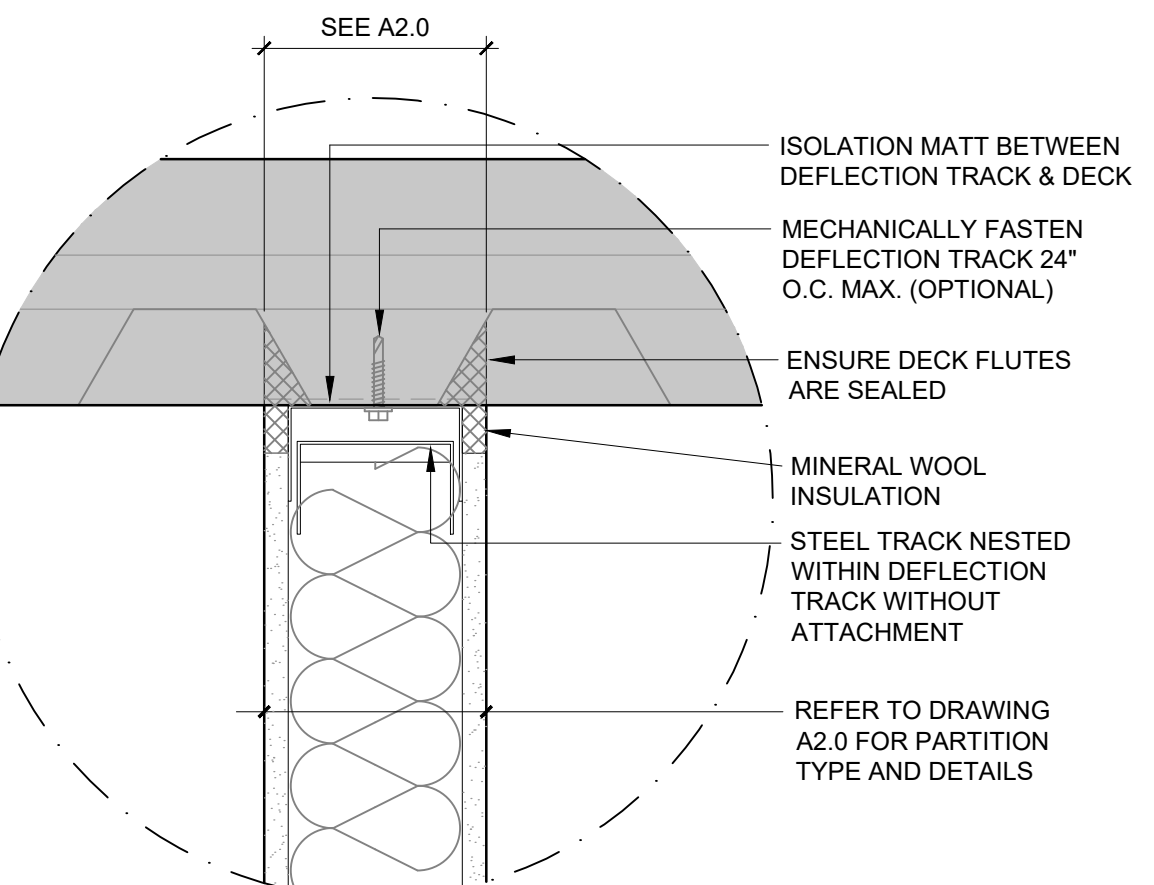


7 DETAIL @ WINDOW HEAD  
A8.0 SCALE: 3" = 1'-0"

8 DETAIL @ WINDOW SILL  
A8.0 SCALE: 3" = 1'-0"



10 VESTIBULE WALL @ GLAZING  
A8.0 SCALE: 3" = 1'-0"



NO.	DATE	DESCRIPTION
A	NOV. 14, 2023	ISSUED FOR B.P.
B		
C		
D		
E		

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PROJECT  
FATBURGER, CHILLIWACK MALL  
UNIT # B1  
45510 LUCKAKUCK WAY  
CHILLIWACK, BC, V2R 1A2

DRAWING TITLE  
WALL SECTIONS

SCALE AS NOTED  
DATE NOVEMBER/2023  
DRAWN CR & PPL  
CHECKED JPS  
PROJ. NO 2023-77  
FILE NO. (INTERICS JOB # 22.1872)

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**A8.0**

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# FATBURGER CHILLIWACK

45610 LUCKAKUCK WAY, CHILLIWACK, BC

ISSUED FOR BUILDING PERMIT  
23/11/02

SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SPECIFICATIONS	MOUNTING
LIGHTING LEGEND			
	RECESSED DOWNLIGHT LUMINAIRE, TYPE XX	SEE SCHEDULE	CEILING RECESSED
	SURFACE MOUNTED DOWNLIGHT LUMINAIRE, TYPE XX	SEE SCHEDULE	CEILING SURFACE MOUNT
	PENDANT LUMINAIRE, TYPE XX	SEE SCHEDULE	CEILING SUSPENDED
	WALL SCONCE LUMINAIRE, TYPE XX	SEE SCHEDULE	WALL
	TRACK LUMINAIRE C/W TRACK HEADS INDICATED	SEE SCHEDULE	CEILING
	LINEAR WALL MOUNT LUMINAIRE, TYPE XX	SEE SCHEDULE	WALL
	SURFACE MOUNTED WRAP LUMINAIRE, LUMINAIRE TYPE XX	SEE SCHEDULE	CEILING SURFACE
	SURFACE/SUSPENDED LUMINAIRE, TYPE XX	SEE SCHEDULE	CEILING SURFACE /SUSPENDED
	1'x4' LUMINAIRE, TYPE XX	SEE SCHEDULE	RECESSED
	2'x2' LUMINAIRE, TYPE XX	SEE SCHEDULE	RECESSED
	2'x4' LUMINAIRE, TYPE XX	SEE SCHEDULE	RECESSED
	STRIP LUMINAIRE, TYPE XX (SEE SCHEDULE FOR LENGTH)	SEE SCHEDULE	CEILING SURFACE /SUSPENDED
	IN GROUND LUMINAIRE, TYPE XX	SEE SCHEDULE	SEE LUMINAIRE SCHEDULE
	EXTERIOR POLE LUMINAIRE (SINGLE HEAD), TYPE XX	SEE SCHEDULE	SEE LUMINAIRE SCHEDULE
	EXTERIOR POLE LUMINAIRE (DOUBLE HEAD), TYPE XX	SEE SCHEDULE	SEE LUMINAIRE SCHEDULE
	EXTERIOR POLE LUMINAIRE (FOUR HEAD), TYPE XX	SEE SCHEDULE	SEE LUMINAIRE SCHEDULE
	BOLLARD, TYPE XX	SEE SCHEDULE	SEE LUMINAIRE SCHEDULE
EMERGENCY LIGHTING LEGEND			
	EXIT LIGHT, SEE FLOOR PLAN FOR DIRECTIONAL ARROWS WHERE APPLICABLE	SEE SCHEDULE	WALL, 84in/2134mm
	EXIT LIGHT, SEE FLOOR PLAN FOR DIRECTIONAL ARROWS WHERE APPLICABLE	SEE SCHEDULE	CEILING 144" AFF
	EXIT LIGHT C/W BATTERY PACK & REMOTE HEADS, SEE FLOOR PLAN FOR DIRECTIONAL ARROWS WHERE APPLICABLE	SEE SCHEDULE	WALL, 84in/2134mm
	EMERGENCY DOUBLE REMOTE HEADS	SEE SCHEDULE	6" BELOW CEILING OR WALL, 84in/2134mm
	EMERGENCY DOUBLE REMOTE HEADS	SEE SCHEDULE	6" BELOW CEILING
	VANDAL PROOF EMER. DOUBLE REMOTE HEADS	SEE SCHEDULE	6" BELOW CEILING OR WALL, 84in/2134mm
	VANDAL PROOF EMER. DOUBLE REMOTE HEADS	SEE SCHEDULE	6" BELOW CEILING
	BATTERY PACK C/W REMOTE HEADS	SEE SCHEDULE	WALL, 84in/2134mm
LIGHTING CONTROLS LEGEND			
	SINGLE POLE SWITCH, 15A	LEVITON DECORA SERIES, WHITE	WALL, 45in/1150mm
	3-WAY SWITCH, 15A	LEVITON DECORA SERIES, WHITE	WALL, 45in/1150mm
	SINGLE POLE SWITCH 'a' - SEE CIRCUIT FOR CONTROL	LEVITON DECORA SERIES, WHITE	WALL, 45in/1150mm
	DIMMER SWITCH - SEE CIRCUIT FOR CONTROLS	LEVITON DECOR ROCKER SIDE CONTROL, WHITE	WALL, 45in/1150mm
	VACANCY SWITCH	ACUTY WSX-VA-VH SERIES	WALL, 45in/1150mm
	VARIABLE SPEED SWITCH	ACUTY GR2400 CHELSEA DIGITAL SWITCH CH6-BWH-PWH	WALL, 45in/1150mm
	MASTER SWITCH - SEE LIGHTING CONTROL DETAILS		WALL, 45in/1150mm
	OCCUPANCY SENSOR	ACUTY WSX SERIES	CEILING
	DIMMING OCCUPANCY SENSOR	ACUTY WSX SERIES	CEILING
	OCCUPANCY SENSOR	ACUTY WSX SERIES	WALL, 45in/1150mm
	DIMMING OCCUPANCY SENSOR	ACUTY WSX SERIES	WALL, 45in/1150mm
	DAYLIGHT SENSOR	ACUTY CM-ADC	CEILING
	WALL MOUNTED PHOTO CELL	ACUTY CM-ADC SERIES	SEE DRAWING
* HATCHED LUMINAIRE WITH /NL INDICATES LIGHTING TO BE ON NIGHT LIGHT CIRCUIT			

POWER LEGEND			
	DUPLEX RECEPTACLE - 120V/15A (5-15R)	LEVITON SERIES - WHITE	12in/305mm OR AS NOTED
	FOURPLEX RECEPTACLE - 120V/15A (5-15R)	LEVITON SERIES - WHITE	12in/305mm OR AS NOTED
	FOURPLEX RECEPTACLE - 120V/20A (5-20R)	LEVITON SERIES - WHITE	12in/305mm OR AS NOTED
	GFCI DUPLEX RECEPTACLE - 120V/15A (5-15RA)	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	DUPLEX RECEPTACLE - 120V/20A (5-20R)	LEVITON SERIES - WHITE	12in/305mm OR AS NOTED
	GFCI DUPLEX RECEPTACLE - 120V/20A (5-20RA)	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	GFCI FOURPLEX RECEPTACLE - 120V/15A (5-15RA)	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	GFCI FOURPLEX RECEPTACLE - 120V/20A (5-20RA)	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	GFCI FOURPLEX RECEPTACLE - SWITCHED	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	TAMPER PROOF RECEPTACLE - 120V/15A	LEVITON AFTR1 SERIES	12in/305mm OR AS NOTED
	TAMPER PROOF RECEPTACLE - 120V/20A	LEVITON AFTR1 SERIES	12in/305mm OR AS NOTED
	USB DUPLEX RECEPTACLE - 120V/15A	LEVITON T5632, WHITE	12in/305mm OR AS NOTED
	USB DUPLEX RECEPTACLE - 120V/20A	LEVITON T5632, WHITE	12in/305mm OR AS NOTED
	HOSPITAL GRADE DUPLEX RECEPTACLE	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	HOSPITAL GRADE FOURPLEX RECEPTACLE	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	HOSPITAL GRADE GFCI DUPLEX RECEPTACLE	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	HOSPITAL GRADE GFCI FOURPLEX RECEPTACLE	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	HOSPITAL GRADE DUPLEX RECEPTACLE - 120V/20A	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	HOSPITAL GRADE GFCI DUPLEX RECEPTACLE - 120V-20A	LEVITON HOSPITAL GRADE SMARTLOCK SLIM	12in/305mm OR AS NOTED
	DUPLEX RECEPTACLE - SWITCHED		12in/305mm OR AS NOTED
	PARKING LOT DUPLEX RECEPTACLE IN POST		SEE DETAIL
	PARKING LOT SINGLE RECEPTACLE IN POST		SEE DETAIL
	ISOLATED GROUND RECEPTACLE		12in/305mm OR AS NOTED
	FLOOR BOX C/W RECEPTACLE & DATA OUTLET (SEE DRAWING FOR QUANTITY AND RECEPTACLE TYPES)		FLOOR MOUNTED
	POWER PAC POLE C/W RECEPTACLE & DATA OUTLET (SEE DRAWING FOR QUANTITY AND RECEPTACLE TYPES)		FLOOR MOUNTED
	VACUUM OUTLET		
	SPECIAL RECEPTACLE	LEVITON SPEC GRADE, WHITE	12in/305mm OR AS NOTED
	HARDWIRED CONNECTION		12in/305mm OR AS NOTED
	DISCONNECT SWITCH		60in/1525mm OR AS NOTED
	JUNCTION BOX		
	MOTOR		
	MAGNETIC STARTER		WALL, 45in/1150mm
	SPEAKER		CEILING
	SPEAKER		
	THERMOSTAT		WALL MOUNTED
	Ceiling Fan		CEILING
	RADIANT HEATER		WALL MOUNTED
	BASEBOARD HEATER	OULLET SERIES	WALL MOUNTED
	FORCE FLOW HEATER	OULLET SERIES	WALL MOUNTED
	ELECTRICAL PANEL - SEE PANEL SCHEDULE		WALL MOUNTED
	TELEPHONE TERMINAL BOARD		WALL MOUNTED

	TRANSFORMER		
FIRE ALARM LEGEND			
	FIRE ALARM CONTROL PANEL	SIMPLEX OR APPROVED EQUIVALENT	2400mm MAX AT TOP OF PANEL
	FIRE ALARM ANNUNCIATOR PANEL	SIMPLEX OR APPROVED EQUIVALENT	600mm MIN-1800mm MAX
	FIRE ALARM SMOKE DETECTOR	SIMPLEX OR APPROVED EQUIVALENT	CEILING
	FIRE ALARM HEAT DETECTOR	SIMPLEX OR APPROVED EQUIVALENT	CEILING
	FIRE ALARM COMBINATION HEAT/SMOKE DETECTOR	SIMPLEX OR APPROVED EQUIVALENT	CEILING
	FIRE ALARM RELAY DEVICE	SIMPLEX OR APPROVED EQUIVALENT	WALL
	FIRE ALARM MANUAL PULL STATION	SIMPLEX OR APPROVED EQUIVALENT	45in/1150mm
	FIRE ALARM COMBINATION HORN-STROBE 15cd UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	FIRE ALARM STROBE 15cd UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	FIRE ALARM HORN	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	LOW TEMPERATURE SENSOR	HONEYWELL T-1000	WALL
	FIRE ALARM SPEAKER 1W UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT	CEILING
	FIRE ALARM COMBINATION SPEAKER STROBE 1W/15cd UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	FIRE ALARM SPRINKLER TAMPER SWITCH	SIMPLEX OR APPROVED EQUIVALENT	
	FIRE ALARM SPRINKLER FLOW SWITCH	SIMPLEX OR APPROVED EQUIVALENT	
	FIRE ALARM COMBINATION BELL-STROBE 15cd UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	FIRE ALARM BELL	SIMPLEX OR APPROVED EQUIVALENT	84in/2134mm
	MINI SUITE HORN C/W SILENCE	SIMPLEX OR APPROVED EQUIVALENT	45in/1143mm
	SMOKE ALARM C/W INTEGRAL CO ALARM	SIMPLEX OR APPROVED EQUIVALENT	CEILING
	FIRE ALARM ISOLATION MODULE (SEE FLOOR PLAN FOR NUMBERING)	SIMPLEX OR APPROVED EQUIVALENT	
	EMERGENCY FIRE PHONE	SIMPLEX OR APPROVED EQUIVALENT	57in/1450mm
	CO ALARM	SIMPLEX OR APPROVED EQUIVALENT	18in/457mm
SECURITY			
	CARD READER		WALL, 45in/1150mm
	KEY PAD		WALL, 45in/1150mm
	MAGNETIC DOOR HOLD OPEN DEVICE		WALL, 45in/1150mm
	HANDICAP PUSH BUTTON		WALL, 45in/1150mm
	BUZZER		WALL, 45in/1150mm
	DOOR RELEASE		WALL, 45in/1150mm
	MAGNETIC LOCK		WALL, 45in/1150mm
	ALARM CONTACT		WALL, 45in/1150mm
	SECURITY MOTION SENSOR		SEE DRAWING
	SECURITY CAMERA		SEE DRAWING
	PUSH BUTTON		43in/1100mm MAX
	ELECTRIC STRIKE		WALL, 45in/1150mm
	MOTION DETECTOR		WALL, 45in/1150mm
	MOTION DETECTOR		CEILING
COMMUNICATIONS			
	WIRELESS ACCESS POINT		CEILING
	SECURITY CONTROL PANEL		SEE DRAWING
	DATA OUTLET (4PORT WITH 4 DATA LINE)- NUMBER(4) INDICATES NUMBER OF PORTS(4) AND NUMBER OF DATA LINE(4)		12in/305mm OR AS NOTED
	VOICE AND DATA COMM. OUTLET (2PORT WITH 2 DATA LINE)		12in/305mm OR AS NOTED

	2 VOICE AND 2 DATA COMM. OUTLET (4PORT WITH 4 DATA LINE)		12in/305mm OR AS NOTED
	TELEPHONE OUTLET (2 PORT WITH 2 DATA LINE)		12in/305mm OR AS NOTED
	DATA OUTLET (2PORT WITH 2 DATA LINE)		12in/305mm OR AS NOTED
	TELEVISION OUTLET (HDMI AND COAX)		12in/305mm OR AS NOTED
TAGS/OTHER			
	LUMINAIRE TAG - SEE LUMINAIRE SCHEDULE		
	KITCHEN/ELECTRICAL EQUIPMENT TAG		
	MECHANICAL EQUIPMENT TAG		
A.F.F.	ABOVE FINISHED FLOOR		
A.C.	ABOVE COUNTER		
NL	NIGHT LIGHT - CIRCUIT TO NIGHT LIGHT BREAKER		
ER	EXISTING TO REMAIN		
WP	WEATHERPROOF		
RL'D	RELOCATED		
R	REMOVE		
RL	RELOCATE		
A-XX	PANEL 'A', CIRCUIT XX		
	CONDUIT HOME RUN FROM TRANSFORMER		
	CIRCLE DENOTES CEILING MOUNTED DEVICE		
	SQUARE DENOTES FLOOR MOUNTED DEVICE		
	EQUIPMENT TAG - SEE SCHEDULES		
NOTE: MOUNTING IS INDICATED FROM FINISHED FLOOR TO CENTER OF DEVICE. MOUNTING HEIGHTS INDICATED ON DRAWINGS OR SPECIFICATIONS HAVE PRECEDENCE OVER THIS LEGEND. ANY UNLISTED MOUNTING HEIGHTS TO BE CONFIRMED PRIOR TO INSTALLATION.			
NOTE: APPROVED ALTERNATIVE MANUFACTURERS MAY BE ACCEPTED.			

## ELECTRICAL

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DRAWING LIST	
SHEET NUMBER	SHEET NAME
E000	ELECTRICAL COVER PAGE
E101	FLOOR PLAN - LIGHTING
E201	FLOOR PLAN - POWER & AUXILIARY
E301	ROOF PLAN - ELECTRICAL
E401	ELECTRICAL SCHEDULES & DETAILS
E402	ELECTRICAL SCHEDULES & DETAILS
E501	ELECTRICAL SPECIFICATIONS

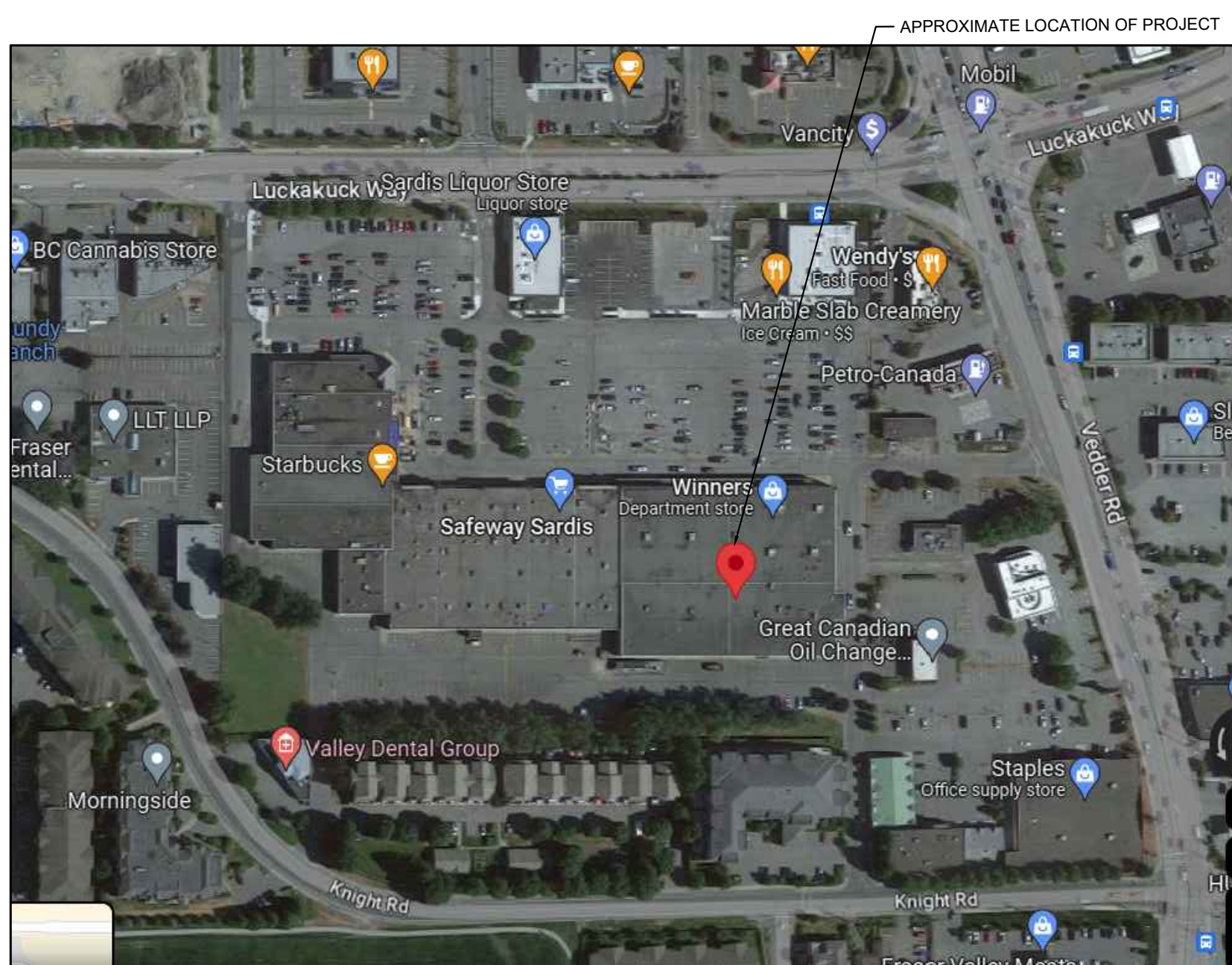
## CRITICAL STAGE INSPECTIONS

THE FOLLOWING IS A LIST OF 'CRITICAL INSPECTIONS' THAT SHALL BE PERFORMED BY EMBE CONSULTING. THE GENERAL CONTRACTOR SHOULD NOTIFY THIS CONSULTANT A MINIMUM OF 3 WORKING DAYS (5 WORKING DAYS FOR PROJECTS OUTSIDE OF MAIN OFFICE LOCATION) IN ADVANCE OF DATE OF REQUIRED INSPECTION.

FAILURE TO COMPLY WITH THE FOLLOWING INSPECTION REQUIREMENTS MAY RESULT IN THIS CONTRACTOR HAVING TO EXPOSE ANY INACCESSIBLE ELECTRICAL SYSTEMS AT THE DISCRETION OF EMBE CONSULTING AND AT THE CONTRACTOR'S COST AND FOR ANY COSTS WHICH MAY BE INCURRED TO RETEST SYSTEMS NOT WITNESSED BY EMBE CONSULTING.

- POST DEMOLITION
  - WHEN EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT IS EXPOSED.
- BELOW GRADE CONDUIT SYSTEMS (INSIDE BUILDING)
  - WHEN CONDUIT SYSTEMS ARE COMPLETELY INSTALLED BUT BEFORE BACKFILLING HAS BEEN STARTED.
- ABOVE SLAB LIGHTING, POWER, AUXILIARY
  - WHEN ALL LIGHTING, POWER & AUXILIARY HAVE BEEN ROUGHED-IN BUT BEFORE ANY DRYWALL OR WALL INSULATION HAS BEEN STARTED. ANY ELECTRICAL THAT WILL BE HIDDEN AT TIME OF SUBSTANTIAL COMPLETION SHOULD BE COMPLETED FOR REVIEW AT THIS TIME.
- SUBSTANTIAL COMPLETION
  - WHEN ALL ELECTRICAL, LIGHTING, POWER & AUXILIARY SYSTEMS ARE SUBSTANTIALLY COMPLETE AND OPERATIONAL.
- FIRE ALARM SYSTEM
  - FULLY INSTALLED AND VERIFICATION TO BE WITNESSED BY EMBE ALONG WITH FIRE ALARM TECHNICIAN (FOR ALBERTA PROJECTS).
- INTEGRATED SYSTEM TESTING WHERE APPLICABLE
  - CONTRACTOR TO PROVIDE 30-MINUTE LOAD TEST REPORT FOR EMERGENCY LIGHTING.
  - ALL LIFE SAFETY ITEMS INTEGRATED WITH MECHANICAL TO BE TESTED IN PRESENT OF EMBE REPRESENTATIVE.

REMINDER:  
BEFORE YOU CALL THE CITY FOR AN INSPECTION, CONTACT EMBE CONSULTING FOR AN INSPECTION.



01  
E000

KEY PLAN  
N.T.S.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE.

## ELECTRICAL / MECHANICAL ENGINEERS

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PERMIT # 1000420

ISSUE: DATE:

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PROJECT TITLE  
**FATBURGER CHILLIWACK**

45610 LUCKAKUCK WAY, CHILLIWACK, BC

DRAWING TITLE

ELECTRICAL COVER  
PAGE

DATE JUNE 2023  
SCALE AS NOTED

DRAWN BY  
PROJECT NO. 22290

DRAWING NO. E000

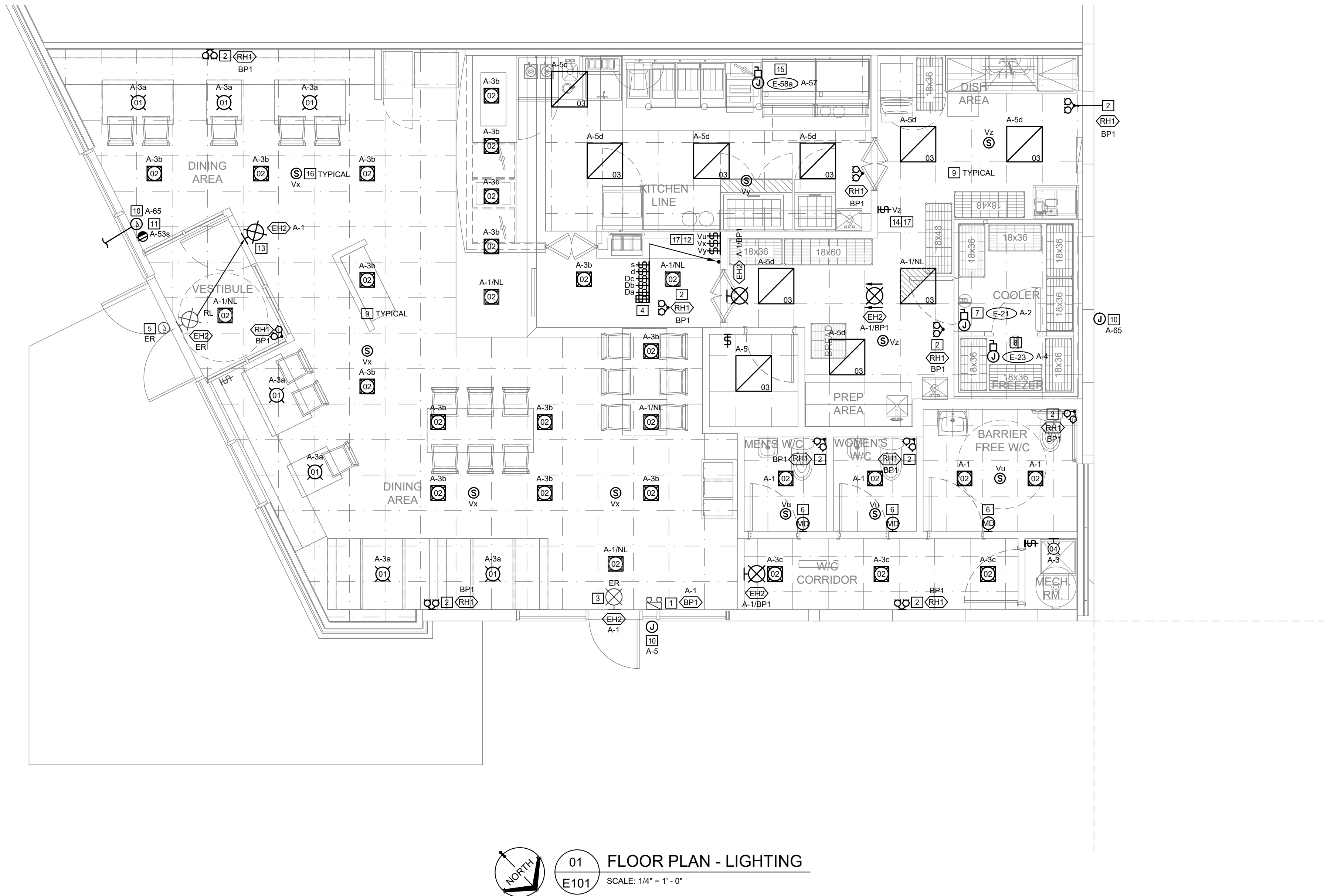
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GENERAL NOTES

- BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. WHERE DISCREPANCIES ARE FOUND, THEY SHOULD BE BROUGHT FORWARD PRIOR TO TENDER CLOSE.
- CONTRACTOR TO PROVIDE ADEQUATE SIZE OF BRANCH WIRING & CONDUIT BASED ON EXACT ROUTINGS ON SITE AND VOLTAGE DROP. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.
- IF ANY DISCREPANCY EXISTS BETWEEN ELECTRICAL LIGHTING DRAWING AND INTERIOR REFLECTED CEILING PLAN, CONTACT INTERIOR DESIGNER FOR ALL LOCATIONS AND REQUIREMENTS.
- CONTRACTOR TO ENSURE ALL INTEGRATED CEILING EQUIPMENT TO BE PAINTED TO MATCH CEILING FINISH.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING DETAILS.
- CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWINGS AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.

NOTES

- EXISTING BATTERY PACK TO REMAIN. REFER TO SCHEDULE. CONFIRM CAPACITY AND REPLACE AS REQUIRED.
- PROVIDE MINIMUM #10 DC WIRING FOR ALL EMERGENCY REMOTE HEADS. INCREASE CONDUCTOR SIZE AS REQUIRED TO NEGATE VOLTAGE DROP AS PER THE C.E.C.
- EXISTING EXIT LIGHTS TO REMAIN.
- PROVIDE MASTER SWITCH, SWITCH 'c' AND DIMMER SWITCHES 'u', 'v' AND 'w' TO CONTROL LUMINAIRES INDICATED. CONFIRM LOCATION WITH OWNER PRIOR TO ROUGH-IN. ALL SWITCHES SHOULD BE HIGHER THAN 48" TO ALLOW FOR WAINSCOTING AND TILE. SLAVE ALL SWITCHES TO MASTER LIGHT SWITCH. SEE DETAIL 01/E401. DO NOT GANG DIMMER SWITCHES. DERATE PER MANUFACTURER INSTRUCTIONS IN GANGED.
- EXISTING JUNCTION BOX FOR SIGNAGE TO REMAIN. INTERLOCK WITH BASE BUILDING EXTERIOR LIGHTING CONTROL.
- PROVIDE DIMMABLE WALL MOUNT MANUAL-ON/AUTO-OFF OCCUPANCY SENSOR. PROVIDE AQUALITY CONTROLS MODEL# "WSX-D-SA-WH" OR APPROVED EQUIVALENT.
- PROVIDE JUNCTION BOX FOR WALK-IN COOLER LIGHTING. CONFIRM REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH IN. CONSULT KITCHEN VENTILATION PACKAGE SHOP DRAWINGS FOR WIRING DETAILS.
- PROVIDE JUNCTION BOX FOR WALK-IN FREEZER LIGHTING. CONFIRM REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH IN. CONSULT KITCHEN VENTILATION PACKAGE SHOP DRAWINGS FOR WIRING DETAILS.
- CONTRACTOR TO INSTALL SPEAKERS. CONFIRM SPEAKER LOCATION, SPEAKER VOLUME ZONE, AND STEREO EQUIPMENT LOCATION ON SITE PRIOR TO ROUGH-IN. CONTRACTOR TO PROVIDE SPEAKER WIRING ACCORDING TO MAKE/MODEL AND MANUFACTURER INSTRUCTIONS.
- PROVIDE JUNCTION BOX FOR EXTERIOR SIGNAGE FOR ILLUMINATED "FATBURGER" SIGNAGE ON BULKHEAD FACE. CONFIRM LOCATION ON SITE & COORDINATE WITH SIGNAGE CONTRACTOR. INTERLOCK WITH EXTERIOR SIGNAGE IF EXISTING, OTHERWISE PROVIDE NEW. SEE 02/E401 FOR DETAILS.
- PROVIDE SWITCH RECEPTACLE ABOVE GLAZING FOR INTERIOR OPEN SIGN. PROVIDE SWITCH 'u' NEXT TO MASTER LIGHT SWITCH TO CONTROL THE OPEN SIGN. COORDINATE LOCATION WITH ARCHITECT AND SIGNAGE CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE EPISODE ELECTRONICS EVC-100R-WHLA ROTARY VOLUME CONTROL. FOR THESE TWO ZONES:  
u. WASHROOMS  
x. DINING AREA  
y. COOK LINE AREA
- RELOCATE EXIT LIGHT AS INDICATED.
- PROVIDE EPISODE ELECTRONICS EVC-100R-WHLA ROTARY VOLUME CONTROL, FOR PREP & DISH AREA (z).
- PROVIDE JUNCTION BOX WITH DISCONNECT FOR HOOD LIGHTING. COORDINATE HOOD LIGHTING REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
- PROVIDE 1x16 GAUGE STRANDED SPEAKER WIRE FROM SPEAKER TO SPEAKER TO VOLUME CONTROL.
- PROVIDE 2x16 GAUGE STRANDED WIRE LINES PER SPEAKER FROM VOLUME CONTROL TO OFFICE SHELF. REFER TO ARCHITECTURAL DRAWINGS FOR SHELF LOCATION.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS



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PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE

FLOOR PLAN - LIGHTING

DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY  
PROJECT NO. 22290

DRAWING NO. E101

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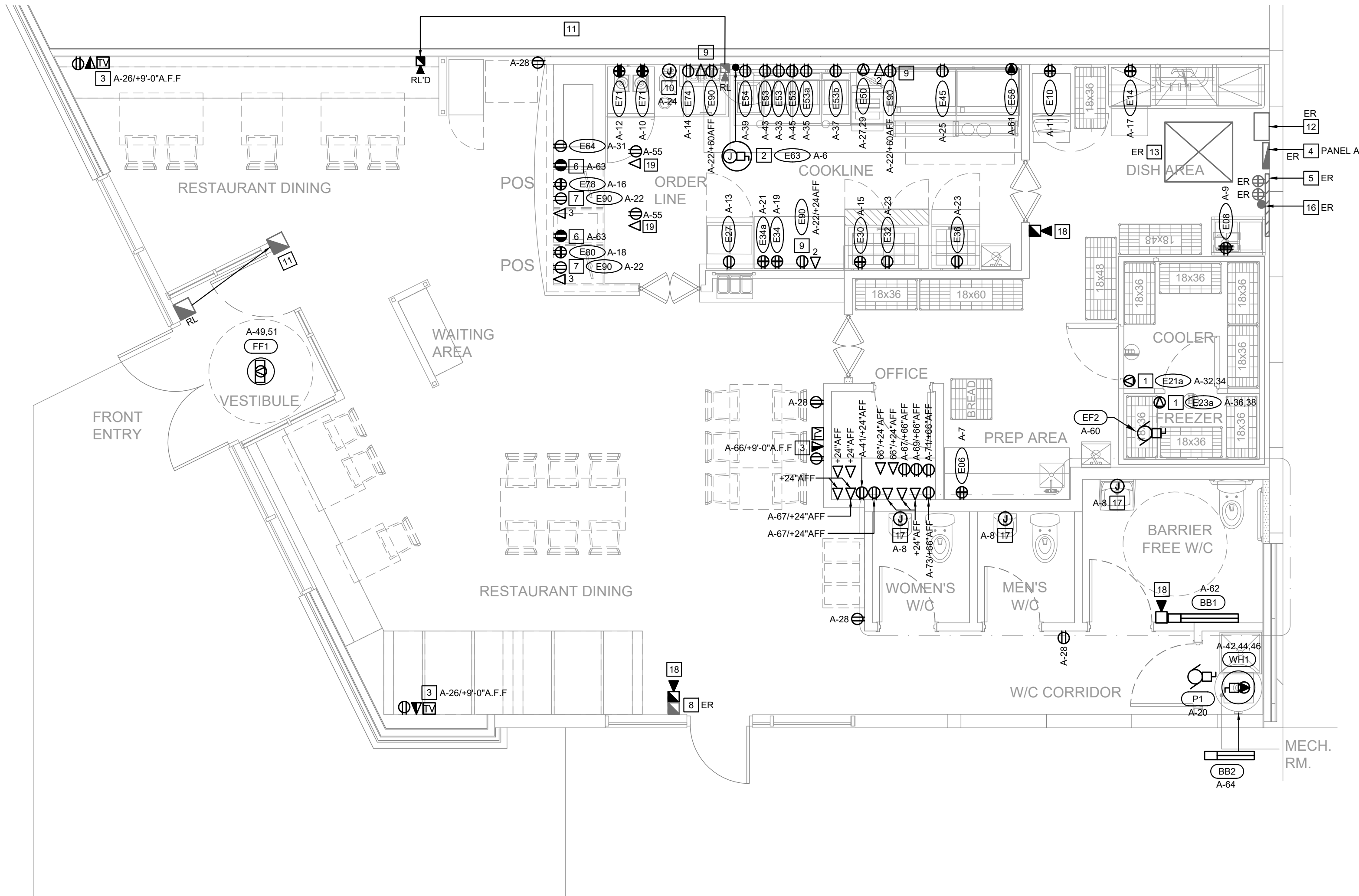
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### GENERAL NOTES

- BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. WHERE DISCREPANCIES ARE FOUND, THEY SHOULD BE BROUGHT FORWARD PRIOR TO TENDER CLOSE.
- CONDUCTOR SIZES INDICATED IS MINIMUM REQUIRED. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.
- REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT MOUNTING DETAILS.
- CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWING AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
- ALL NEW FIRE ALARM DEVICES SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. FINAL TIE-IN WITH BASE BUILDING FIRE ALARM SYSTEM TO BE DONE BY BASE BUILDING FIRE ALARM CONTRACTOR AT TENANT'S EXPENSE. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO CARRY THAT COST IN THEIR BID.
- CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWINGS AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.

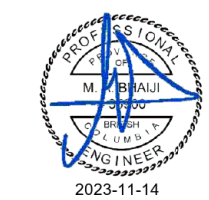
### POWER & AUXILIARY NOTES

- COORDINATE WALK-IN COOLER/FREEZER ELECTRICAL REQUIREMENTS WITH SUPPLIER. CONFIRM RECEPTACLE LOCATION AND MOUNTING HEIGHT WITH SHOP DRAWING PRIOR TO ROUGH IN.
- PROVIDE JUNCTION BOX WITH DISCONNECT FOR HOOD FIRE SUPPRESSION SYSTEM. INTERLOCK WITH THE CIRCUITS OF ALL EQUIPMENTS UNDER THE HOOD WITH HOOD FIRE SUPPRESSION SYSTEM. PROVIDE CONTRACTORS AS REQUIRED. PROVIDE GAS SOLENOID VALVE AND CONTRACTORS AS REQUIRED. INTERLOCK WITH BASE BUILDING FIRE ALARM SYSTEM. LOCATION TO BE CONFIRMED PRIOR TO ROUGH-IN. SEE DETAILS 02/E401.
- PROVIDE POWER & REQUIRED TV OUTLETS AT 9'-0" A.F.F. CONFIRM LOCATION, HEIGHT AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN.
- EXISTING 120/208V, 3PH, 4W 400A RATED PANEL A TO REMAIN. CONFIRM LOCATION ON SITE. REFER TO PANEL SCHEDULE FOR BREAKERS REQUIRED. MAINTAIN 1.0m CLEARANCE IN FRONT OF PANEL AS PER CEC
- EXISTING TELEPHONE TERMINAL BOARD TO REMAIN. CONTRACTOR TO PULL 25-PAIRS CAT6 COMMUNICATION CABLING FROM BASE BUILDING TTB. ALL DATA CONNECTIONS ARE TO TERMINATE AT THIS LOCATION. UTILIZE EXISTING CONDUIT IF FEASIBLE. OTHERWISE PROVIDE NEW.
- PROVIDE ISOLATED GROUND RECEPTACLE. COORDINATE LOCATION WITH MILLWORK SUPPLIER.
- PROVIDE THREE (3) CAT6 LINES FROM POS TO TELEPHONE TERMINAL BOARD. CONTRACTOR TO COORDINATE WITH MILLWORK SUPPLIER FOR RECEPTACLE/DATA LOCATION AND MOUNTING HEIGHTS PRIOR TO ROUGH IN.
- EXISTING FIRE ALARM DEVICES TO REMAIN.
- PROVIDE CAT6 LINE TO TELEPHONE TERMINAL BOARD. CONTRACTOR TO COORDINATE WITH MILLWORK SUPPLIER FOR RECEPTACLE/DATA LOCATION AND MOUNTING HEIGHTS PRIOR TO ROUGH IN. PROVIDE ACCESS IN WALL FOR ELECTRICAL SERVICES. QUANTITY AS INDICATED.
- PROVIDE JUNCTION BOX FOR TRAP PRIMER. CONFIRM EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- EXISTING FIRE ALARM DEVICE(S) TO BE RELOCATED.
- EXISTING 600V DISCONNECT SWITCH WITH SPLITTER TO REMAIN. CONFIRM ON SITE.
- EXISTING TRANSFORMER MOUNTED IN CEILING SPACE TO REMAIN. CONFIRM ON SITE.
- NOT USED
- NOT USED
- EXISTING TELECOM STUB UP TO REMAIN.
- PROVIDE JUNCTION BOX BELOW SINK FOR AUTOMATIC FAUCET.
- PROVIDE NEW FIRE ALARM DEVICES AS INDICATED. INTERLOCK WITH EXISTING SIGNALING CIRCUIT AND FIRE ALARM PANEL. VERIFY NEW DEVICE.
- PROVIDE POWER AND DATA IN THE ACCESS PANEL FOR THE RECESSED TVs. POWER TO TVs TO BE PROVIDED FROM THE REAR SIDE OF THE BULKHEAD. CONFIRM LOCATION, HEIGHT AND REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.



01 FLOOR PLAN - POWER & AUXILIARY  
E201 SCALE: 1/4" = 1' - 0"

### ELECTRICAL / MECHANICAL ENGINEERS



PERMIT # 1000420

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PROJECT TITLE  
FATBURGER CHILLWACK  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
FLOOR PLAN - POWER & AUXILIARY

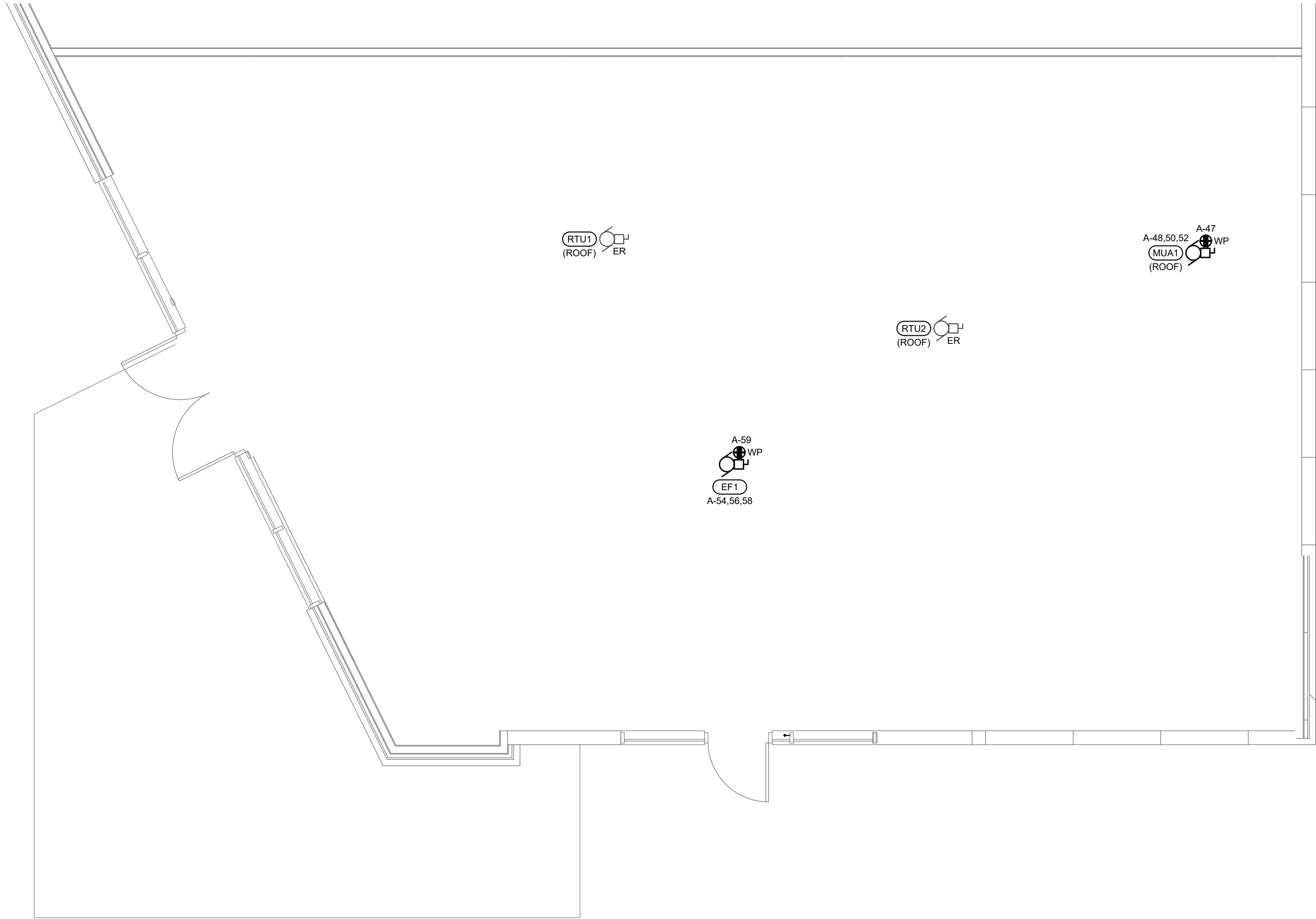
DATE JUNE 2023  
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PROJECT NO. 22290


DRAWING NO. E201

INTERICS

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 01 ROOF PLAN  
E301 SCALE: 1/4" = 1' - 0"

GENERAL NOTES

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. WHERE DISCREPANCIES ARE FOUND, THEY SHOULD BE BROUGHT FORWARD PRIOR TO TENDER CLOSE.
3. CONTRACTOR TO PROVIDE ADEQUATE SIZE OF BRANCH WIRING & CONDUIT BASED ON EXACT ROUTING ON SITE AND VOLTAGE DROP. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.
4. IF ANY DISCREPANCY EXISTS BETWEEN ELECTRICAL LIGHTING DRAWING AND INTERIOR REFLECTED CEILING PLAN, CONTACT INTERIOR DESIGNER FOR ALL LOCATIONS AND REQUIREMENTS.
5. CONTRACTOR TO ENSURE ALL INTEGRATED CEILING EQUIPMENT TO BE PAINTED TO MATCH CEILING FINISH.
6. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING DETAILS.
7. CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWINGS AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS



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REVISION:	DATE:



PROJECT TITLE  
FATBURGER CHILLWACK  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE

ROOF PLAN -  
ELECTRICAL

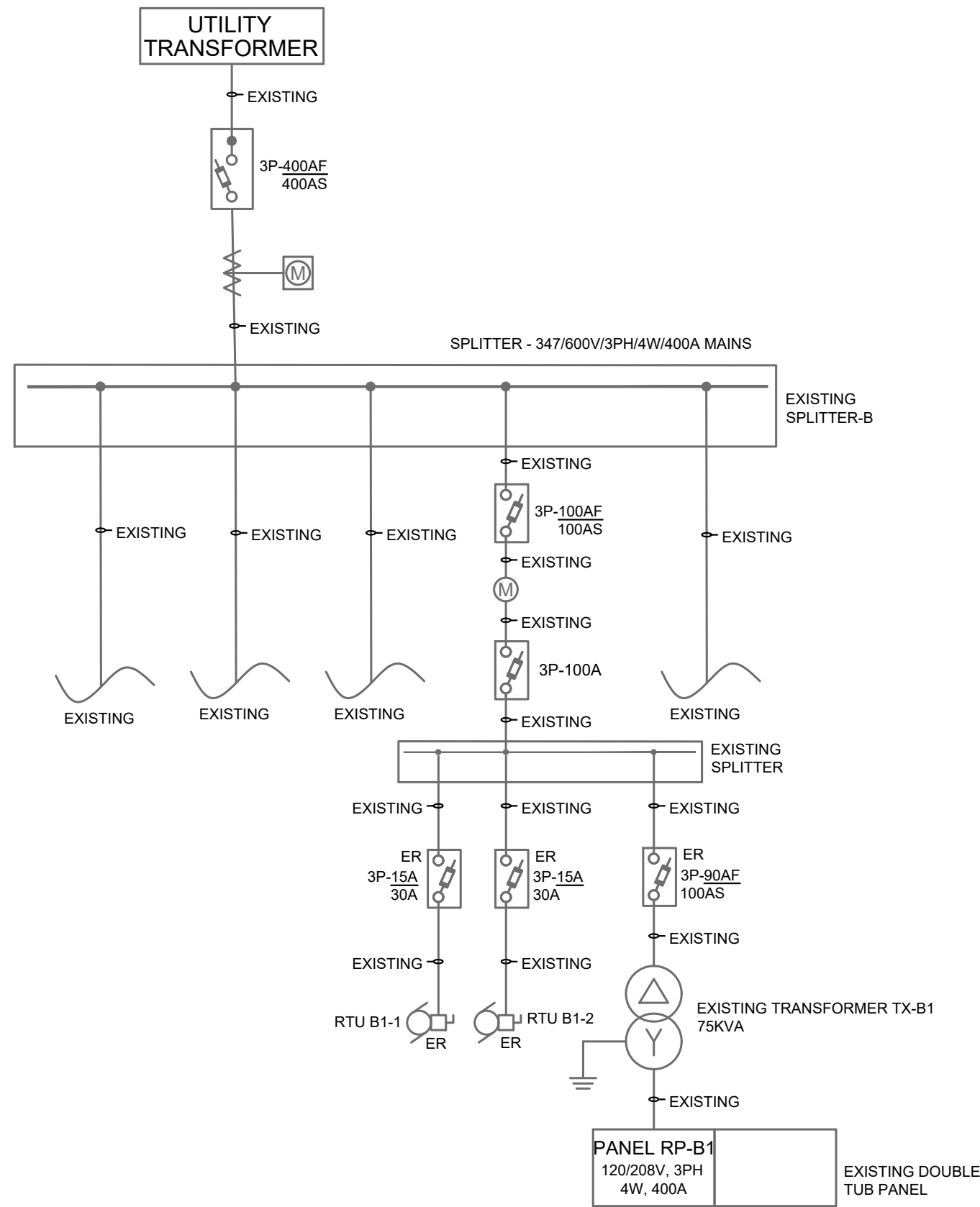
DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY  
PROJECT NO. 22290

DRAWING NO. E301

INTERICS

5011 Centre St. NW Calgary, AB T2K 0S9  
P: 403-265-2252 F: 403-265-2258  
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01 SINGLE LINE DIAGRAM  
E401 SCALE: N.T.S

SINGLE LINE SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	PANEL. SEE PANEL SCHEDULE FOR EXACT REQUIREMENTS.
	DELTA/WYE CLASS H TRANSFORMER C/W COPPER WINDINGS (ALUMINUM WINDING NOT ACCEPTABLE). VOLTAGE/KVA RATING AS INDICATED. SEE NOTES/SINGLE LINE WHERE ALTERNATE TYPE TRANSFORMER IS REQUIRED.
	SYSTEM/EQUIPMENT GROUND
	CIRCUIT BREAKER. RATING AS INDICATED.
	FUSED DISCONNECT (3P-100AF/100A INDICATES 100A FRAME WITH 100A FUSES)
	MOTOR CONNECTION. SEE MECHANICAL EQUIPMENT SCHEDULE.
	SPECIFIC EQUIPMENT CONNECTION. SEE EQUIPMENT SCHEDULE.
	CALCULATED AVAILABLE FAULT CURRENT
	CONDUIT AND WIRE SIZES

GENERAL

- ALL EQUIPMENT TO BE RATED FOR SPRINKLER ENVIRONMENT.
- EQUIPMENT/OVERCURRENT DEVICES MAY BE SERIES RATED FOR INTEGRATED EQUIPMENT RATING (IER). CONTRACTOR TO PROVIDE LAMIGOID LABELS ON ALL EQUIPMENT INDICATING SUCH RATINGS.
- MATCH NEW EQUIPMENT WITH BASE BUILDING TO MAINTAIN SERIES RATING.
- ALL CONDUCTORS INDICATED ARE RW90XL-1000V-COPPER. SEE FOLLOWING NOTES.
- CONDUCTOR SIZES INDICATED IS MINIMUM REQUIRED. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER NEC REQUIREMENTS.
- BELOW GRADE CONDUITS TO BE RIGID PVC UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ABOVE GRADE CONDUITS TO BE ELECTRICAL METALLIC TUBING (EMT) OR RIGID STEEL UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL CONDUITS TERMINATING AT TRANSFORMERS, MOTORS, VIBRATING EQUIPMENT TO BE WATERPROOF SEALED FLEXIBLE CONDUIT UNLESS SPECIFICALLY INDICATED OTHERWISE.
- PROVIDE GROUND CONDUCTORS IN ALL BELOW GRADE CONDUITS AND IN ABOVE GRADE CONDUITS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
- VERIFY EXISTING INCOMING FAULT INTERRUPTING CAPACITY FROM BASE BUILDING DISTRIBUTION.
- CONTRACTOR TO VERIFY ON SITE SERVICE SIZE & PANEL LOCATION.

EXISTING PANEL 'RP-B1' OR PANEL 'A'																											
CCT	DESCRIPTION	TRIP	A		B		C		TRIP	DESCRIPTION	CCT	CCT	DESCRIPTION	TRIP	A		B		C		TRIP	DESCRIPTION	CCT				
1	EXITS, EMERGENCY & NIGHT LIGHTS *	15A	210W	200W					20A	E21 - WALK-IN COOLER LIGHTS *	2	67	OFFICE RECEPTACLES *	15A	1200W	0W					SPARE	68					
3	LIGHTING *	15A			856W	200W			15A	E21 - WALK-IN COOLER LIGHTS *	4	69	OFFICE RECEPTACLES *	15A			1200W	0W			SPARE	70					
5	LIGHTING *	15A					345W	800W	15A	E63 -FIRE SUPPRESSION SYSTEM *	6	71	OFFICE RECEPTACLES *	15A					1200W	0W	SPARE	72					
7	E06 -PREP TABLE RECEPT *	15A	1200W	200W					15A	AUTO FAUCET *	8	73	SPARE		0W	0W					SPARE	74					
9	E08 -BAG IN A BOX *	20A			1800W	1800W			20A	E71 -BLENDER *	10	75	SPARE				0W	0W			SPARE	76					
11	E10 -ICE MACHINE *	15A					1000W	1800W	20A	E71 -BLENDER *	12	77	SPARE					0W	0W		SPARE	78					
13	E27 -POTATO STATION COOLER *	15A	276W	1800W					20A	E74 -DIPPING CABINET *	14	79	SPARE		0W	0W					SPARE	80					
15	E30 -HEATED SHELF *	15A			400W	276W			15A	E78 -COOLER *	16	81	SPARE				0W	0W			SPARE	82					
17	E14 -WAREWASHER, DOOR TYPE, LOW TEMP *	20A					1800W	1800W	20A	E80 - COKE DISPENSER *	18	83	SPARE						0W	0W	SPARE	84					
19	E34a -CHILLI HOT WELL *	15A	1000W	500W					15A	P1 - PUMP *	20	85	SPARE		0W	0W					SPARE	86					
21	E34 -CHILLI COUNTER *	20A			1800W	1200W			15A	E90 -POS *	22	87	SPARE				0W	0W			SPARE	88					
23	E36 -COLD TABLE *	15A					552W	100W	15A	TRAP PRIMER *	24	89	SPARE						0W	0W	SPARE	90					
25	E45 -REFRIGERATED BASE *	15A	1100W	500W					15A	TV SCREEN RECEPTACLES *	26	91	SPARE		0W	0W					SPARE	92					
27	E50 -TOASTER CONVEYOR *	2P			1650W	1200W			15A	CONV RECEPTACLE *	28	93	SPARE				0W	0W			SPARE	94					
29	E50 -TOASTER CONVEYOR *	20A					1650W	1200W	15A	TTB RECEPTACLE *	30	95	SPARE						0W	0W	SPARE	96					
31	E64 -HEATED SELVES *	15A	1080W	968W					2P	E21a - WALK IN COOLER REFRIGERATION *	32	97	SPARE		0W	0W					SPARE	98					
33	E53 -FRYER *	15A			600W	968W			34	99	SPARE						0W	0W			SPARE	100					
35	E53a -MERLIN TIMER *	15A					100W	1290W	2P	E23a - WALK - IN FREEZER *	36	101	SPARE						0W	0W	SPARE	102					
37	E53b -FILTER *	15A	1080W	1290W					20A		38	103	SPARE		0W	0W					SPARE	104					
39	E54 -O/H FOOD WARMER *	15A			800W	200W			15A	LIGHTING CONTROLLER *	40	105	SPARE				0W	0W			SPARE	106					
41	OFFICE RECEPTACLES *	15A					1200W	3667W	3P		42	107	SPARE						0W	0W	SPARE	108					
43	E53 -FRYER *	15A	600W	3667W					-	WATER HEATER *	44	109	SPARE		0W	0W					SPARE	110					
45	E53 -FRYER *	15A			600W	3667W			40A		46	111	SPARE				0W	0W			SPARE	112					
47	ROOF TOP WP GFCI *	20A					1800W	1141W	3P		48	113	SPARE						0W	0W	SPARE	114					
49	FF1 *	2P	1500W	1141W					-	MAKE-UP AIR UNIT *	50	115	SPARE		0W	0W					SPARE	116					
51		20A			1500W	1141W			15A		52	117	SPARE				0W	0W			SPARE	118					
53	SWITCH RECEPTACLES *	15A					1200W	1801W	3P		54	119	SPARE						0W	0W	SPARE	120					
55	LED MENU BOARDS *	15A	1200W	1801W					-	EF1 *	56	121	SPARE		0W	0W					SPARE	122					
57	E58a - EXHAUST HOOD LIGHTS *	15A			120W	1801W			20A		58	123	SPARE				0W	0W			SPARE	124					
59	ROOF TOP WP GFCI *	20A					1800W	166W	15A	EF2 *	60	125	SPARE						0W	0W	SPARE	126					
61	E58 - EXHAUST HOOD *	20A	1800W	750W					15A	BB1 *	62	127	SPARE		0W	0W					SPARE	128					
63	ISOLATED GROUND RECEPTACLE *	15A			1200W	500W			15A	BB2 *	64	129	SPARE				0W	0W			SPARE	130					
65	SIGNAGE *	15A					1000W	500W	15A	TV SCREEN RECEPTACLES *	66	131	SPARE						0W	0W	SPARE	132					
TOTAL LOAD:			23863W		24279W		26712W		TOTAL LOAD:											1200W		1200W		1200W			

PANEL INFORMATION				
LOCATION:	BACK OF HOUSE		VOLTAGE:	120/208V
MOUNTING:	SURFACE DOUBLE TUB		PHASES/WIRES:	3PH/4W
BUS AMPERAGE:	400A		FAULT RATING:	CONFIRM
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED LOAD	
LIGHTING	2266W	100%	2266W	
MECHANICAL	23576W	100%	23576W	
EQUIPMENT	42412W	60%	25447W	
RECEPTACLES	6100W	25%	1525W	
TOTAL	74354W		52814W	
TOTAL ESTIMATED AMPS			147A	
TOTAL ESTIMATED AMPS /W MAX MOCF MOTOR			147A	
* PROVIDE NEW BREAKER				

MECHANICAL EQUIPMENT SCHEDULE												
TAGS	DESCRIPTION / LOCATION	LOAD	O/C	CONDUIT/WIRING	NOTES	LIGHTING CONTROL	MAGNETIC STARTER	VFD MECH	ELEC	CONTROL PANEL MECH	ELEC	THERMOSTAT MECH
WH1	WATER HEATER / ABOVE MOP SINK	208V, 3PH, 4W, 2x5.5KW	3P-40A	27mmC-4#8 RW90XL CU	PROVIDE DIRECT CONNECTION							
P1	PUMP / NEAR WATER HEATER	120V, 1PH, 2W, 0.12HP	1P-15A	21mmC-2#12 RW90XL CU	PROVIDE DIRECT CONNECTION							
MUA1	MAKE-UP AIR UNIT / ROOF MOUNTED	208V, 3PH, 4W, 3.0 HP, 9.5 FLA	3P-15A	21mmC-4#12 RW90XL CU	INTERLOCK WITH EF1 AND FIRE SUPPRESSION SYSTEM.							
EF1	EXHAUST FAN / ROOF	208V, 3PH, 4W, 5.0 HP, 15.0 FLA	3P-20A	21mmC-4#12 RW90XL CU	INTERLOCK WITH MUA1.							
EF2	EXHAUST FAN / WASHROOM	120V, 1PH, 2W, 166W	1P-15A	21mmC-2#12 RW90XL CU	TO BE INTERLOCKED WITH MASTER LIGHTING CONTROL TO RUN CONTINUOUSLY WHEN SPACE IS OCCUPIED.	x						
RTU1	ROOF TOP UNIT / ROOF	EXISTING	EXISTING	EXISTING	EXISTING							
RTU2	ROOF TOP UNIT / ROOF	EXISTING	EXISTING	EXISTING	EXISTING							

ELECTRICAL EQUIPMENT SCHEDULE						
TAGS	DESCRIPTION / LOCATION	LOAD	O/C	CONDUIT/WIRING	NOTES	
BB1	BASE BOARD HEATER / WASH ROOM	120V, 1PH, 2W, 750W	1P-15A	21mmC-2#12 RW90XL CU	OUELLET #OFM0752-1206 C/W WALL MOUNTED THERMOSTAT.	
BB2	BASE BOARD HEATER / JANITOR ROOM	120V, 1PH, 2W, 500W	1P-15A	21mmC-2#12 RW90XL CU	OUELLET #OFM0502-945 C/W WALL MOUNTED THERMOSTAT.	
FF1	FORCE FLOW HEATER / CEILING	208V, 1PH, 3W, 3000W	2P-20A	21mmC-3#12 RW90XL CU	OUELLET #OACP3000 C/W CEILING MOUNTED C/W INTEGRATED THERMOSTAT.	

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE .

ELECTRICAL / MECHANICAL ENGINEERS



121 15th AVENUE SE, CALGARY, AB, T2G 1G1  
403-460-2277 | info@embeconsulting.ca



PERMIT # 1000420

ISSUE: DATE:

- ISSUED FOR UNDERGROUND 23-06-14
- ISSUED FOR BUILDING PERMIT 23-11-02

REVISION: DATE:



PROJECT TITLE  
FATBURGER CHILLWACK  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE

ELECTRICAL  
SCHEDULES & DETAILS

DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY  
PROJECT NO. 22290

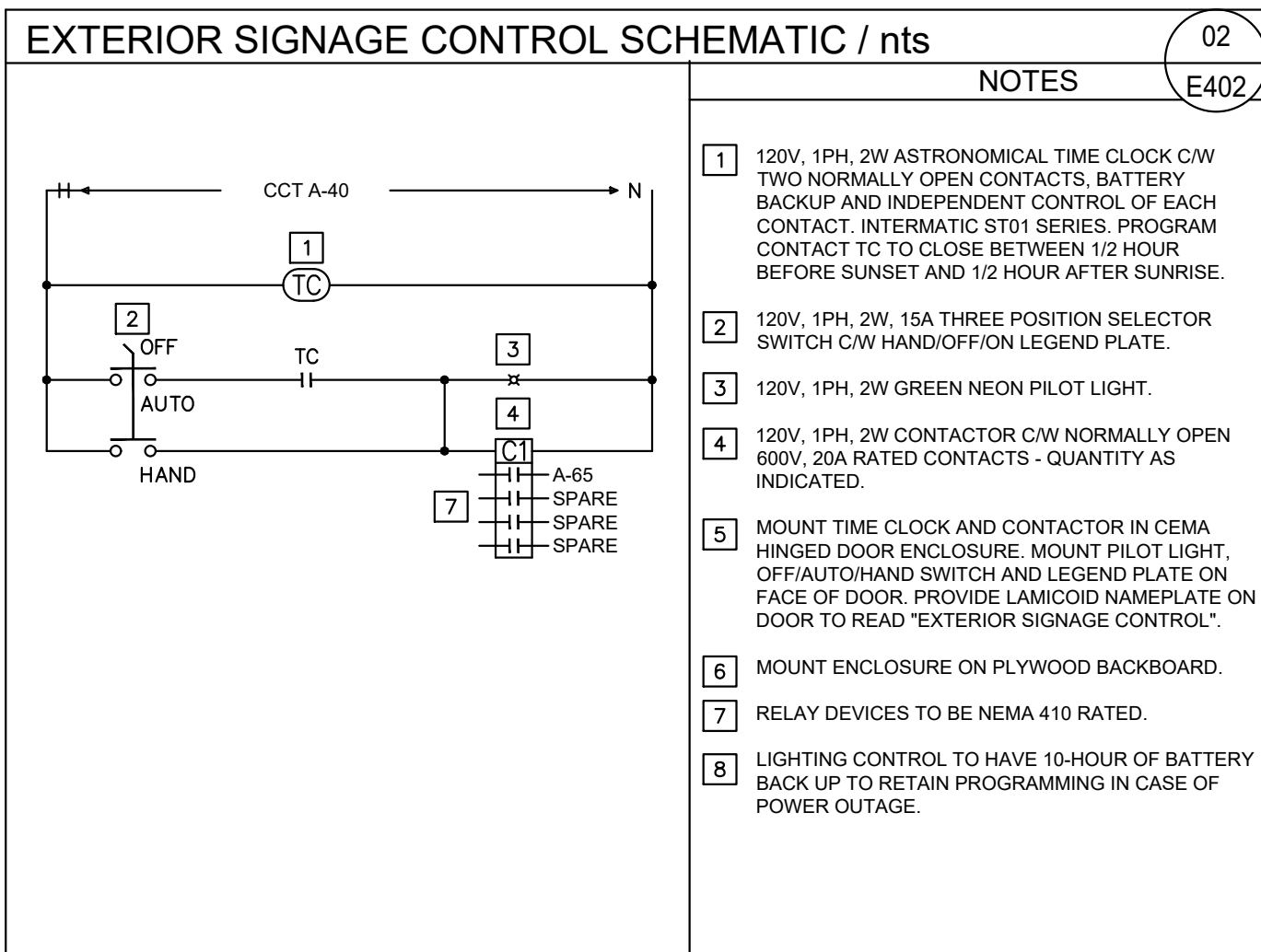
DRAWING NO. E401


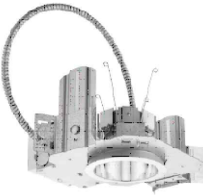

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KITCHEN EQUIPMENT SCHEDULE							
TAG	QTY	DESCRIPTION	LOAD	O/C	CONDUIT/WIRING *	MOUNTING (AFF.)	NOTES
E06	1	PREP TABLE CW SINK	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	+44"	PROVIDE NEMA 5-20R GFCI CONV RECEPTACLE. PROVIDE TWO CONNECTIONS.
E08	1	BAG IN A BOX	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R QUAD RECEPTACLE.
E10	1	ICE MACHINE	120V, 1PH, 2W, 1000W	1P-15A	21mmC -2#12 RW90XL CU	+36"	PROVIDE HARD-WIRED CONNECTION.
E14	1	WAREWASHER, DOOR TYPE, LOW TEMP	120V, 1PH, 2W, 16A	1P-20A	21mmC -2#12 RW90XL CU	+60"	PROVIDE HARD-WIRED CONNECTION.
E21		WALK IN COOLER LIGHTS	120V, 1PH, 2W, 1A	1P-15A	21mmC -2#12 RW90XL CU	+96"	PROVIDE DIRECT CONNECTION. COORDINATE WALK-IN COOLER LIGHTING REQUIREMENTS WITH SUPPLIER. CONTRACTOR TO ENSURE THAT WET LOCATION RATED LIGHT FIXTURES ARE PROVIDED IN THE COOLER
E21a	1	WALK IN COOLER REFRIGERATION	208V, 1PH, 3W, 9.3A, 0.75HP	2P-15A	21mmC -3#12 RW90XL CU	+96"	PROVIDE NEMA 6-20R RECEPTACLE
E23	1	WALK - IN FREEZER LIGHTS	120V, 1PH, 2W, 4A	1P-15A	21mmC -2#12 RW90XL CU	+96"	PROVIDE DIRECT CONNECTION. COORDINATE WALK-IN COOLER LIGHTING REQUIREMENTS WITH SUPPLIER. CONTRACTOR TO ENSURE THAT WET LOCATION RATED LIGHT FIXTURES ARE PROVIDED IN THE FREEZER
E23a	1	WALK - IN FREEZER	208V, 1PH, 3W, 12-4A, 2HP	2P-20A	21mmC -3#10 RW90XL CU	+96"	PROVIDE NEMA 6-20R RECEPTACLE.
E27	1	POTATO STATION COOLER	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE
E30	1	HEATED SHELF	120V, 1PH, 2W, 2.9A, 400W	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE
E32	1	MEGATOP COLD TABLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC -2#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE
E34	1	CHILI COUNTER LEFT	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R RECEPTACLE.
E34a	1	WARMER, FOOD, ELECTRIC	120V, 1PH, 2W, 8.5A, 1KW	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-20R RECEPTACLE.
E36	1	COLD TABLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC -2#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E45	1	REFRIGERATOR SHORTY	120V, 1PH, 2W, 9.9A, 1100W	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E50	1	TOASTER CONVEYOR	208V, 1PH, 3W, 15.8A, 3300W	2P-20A	21mmC -3#12 RW90XL CU	+42"	PROVIDE NEMA 6-20R RECEPTACLE. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E53	3	FRYER DEEP FAT GAS	120V, 1PH, 2W, 5A	1P-15A	21mmC -2#12 RW90XL CU	+42"	PROVIDE NEMA 6-15R RECEPTACLE.
E53a	1	MERLIN TIMER	120V, 1PH, 2W, 15A	1P-20A	21mmC -2#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R RECEPTACLE. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E53b	1	FILTER	120V, 1PH, 2W, 15A	1P-20A	21mmC -2#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R RECEPTACLE. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E54	1	WARMER, FOOD OVERHEAD	120V, 1PH, 2W, 6.3A, 800W	1P-15A	21mmC -2#12 RW90XL CU	+24"	PROVIDE NEMA 5-15R RECEPTACLE. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E58	1	EXHAUST HOOD	120V, 1PH, 2W, 15A	1P-20A	21mmC -2#12 RW90XL CU	+108"	PROVIDE HARD-WIRED CONNECTION. RECEPTACLE- CONFIRM LOCATION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM.
E58a	1	EXHAUST HOOD LIGHTS	120V, 1PH, 2W, 1A	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE JUNCTION BOX WITH DISCONNECT. COORDINATE HOOD LIGHTING REQUIREMENTS WITH SUPPLIER.
E63	1	HOOD SUPPRESSION SYSTEM SYSTEM	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE JUNCTION BOX FOR HOOD FIRE SUPPRESSION SYSTEM. INTERLOCK WITH CIRCUITS OF ALL EQUIPMENT UNDER THE HOOD FIRE SUPPRESSION SYSTEM. PROVIDE CONTACTORS AS REQUIRED.
E64	1	HEATED SHELVES	120V, 1PH, 2W, 3A	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE.
E71	2	HAMILTON BEACH BLENDERS	120V, 1PH, 2W, 15A	1P-20A	21mmC -2#12 RW90XL CU	+42"	PROVIDE NEMA 5-20R RECEPTACLE.
E74	1	DIPPING CABINET	120V, 1PH, 2W, 15A	1P-20A	21mmC -2#12 RW90XL CU	+12"	PROVIDE NEMA 5-20R RECEPTACLE.
E78	1	COOLER - BOTTLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC -2#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E80	1	COKE DISPENSER-BY OTHERS	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-20R RECEPTACLE.
E90	3	POS	120V, 1PH, 2W	1P-15A	21mmC -2#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE PLUS DATA.
CONFIRM ALL KITCHEN EQUIPMENT REQUIREMENTS AND MOUNTING HEIGHTS WITH KITCHEN SUPPLIER AND ARCHITECT.							
CONTRACTOR TO PROVIDE COMPATIBLE DIMMER SWITCH BASED ON LIGHT FIXTURE SELECTION AND FROM THE LISTED DIMMER SWITCHES ON FIXTURE SHOP DRAWINGS.							
* CONTRACTOR TO PROVIDE ADEQUATE SIZE OF BRANCH WIRING & CONDUIT BASED ON EXACT ROUTING ON SITE AND VOLTAGE DROP. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.							

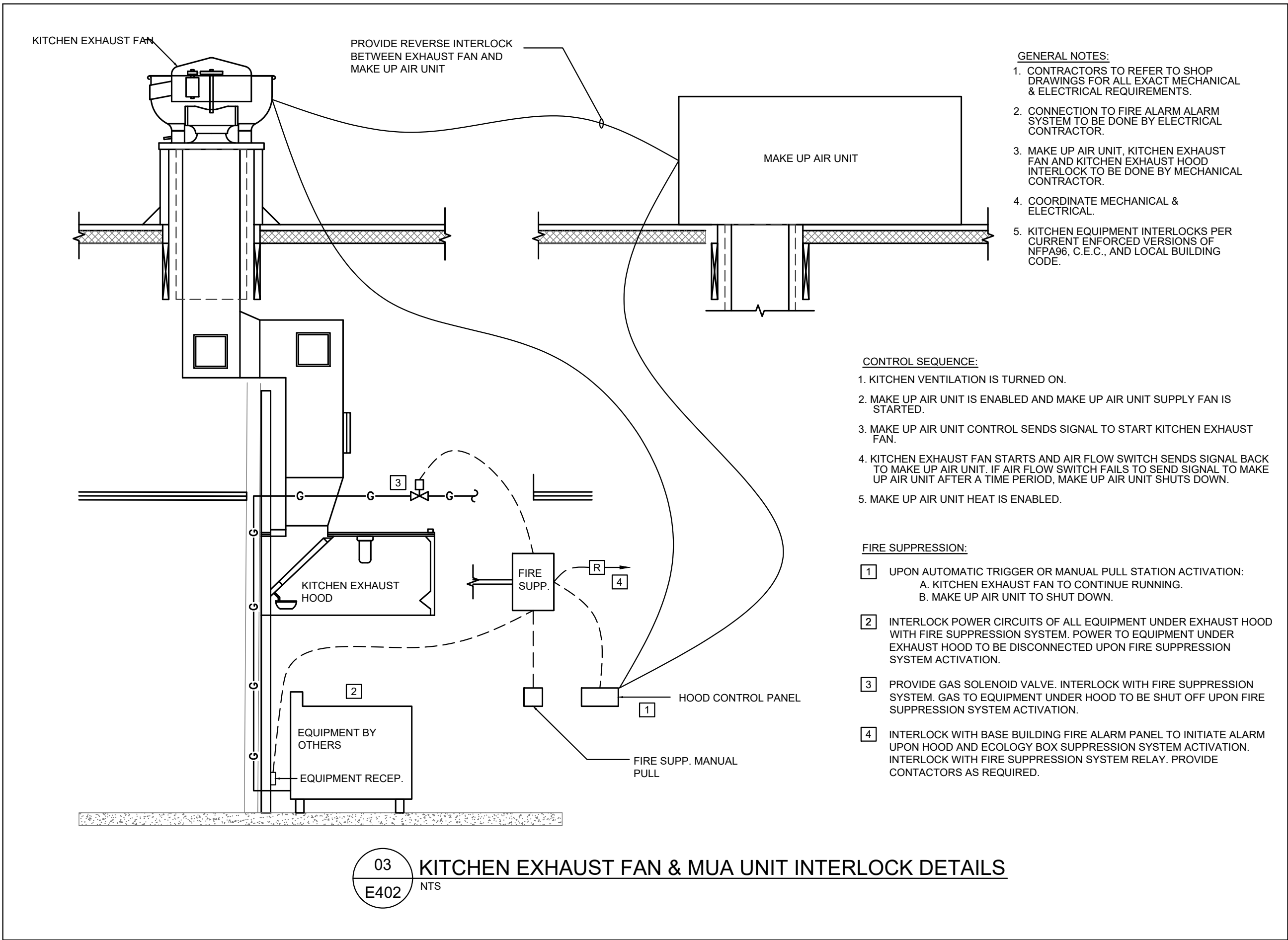


TAGS	DESCRIPTION	PICTURE	MOUNTING	LOAD/VOLT	LAMP	COLOR TEMP	MANUFACTURER
01	PENDANT LIGHT		SUSPENDED 6'A.F.F	MAXIMUM 100W LED / 120VAC	TBD	3000K	MANUFACTURER: MATTEO LIGHTING.COMEPLTE WITH LED BULB. 3000K DIMMABLE. MODEL: C5411MB. CONFIRM SPECIFICATION WITH ID.
02	6" DOWNLIGHT		RECESSED	9W/120VAC	890 LUMENS	3000K	MANUFACTURER: UTECHNOLOGY. MODEL: UT-DL-DIRECT-6-R-WH-30K. CONFIRM SPECIFICATION WITH ID.
03	2' X 2' LED LUMINAIRE		RECESSED	38.3W(ASSUMED) /120VAC	CONFIRM	3000K	CONFIRM SPECIFICATION WITH ID.
04	WALL SCONCE	N/A	WALL	12W/120VAC	CONFIRM	CONFIRM	CONFIRM SPECIFICATION WITH ID.

TE 1: CONTRACTOR TO PROVIDE LIGHTING FIXTURE PACKAGE PRICE WITH EACH INDIVIDUAL FIXTURE PRICE AS PART OF TENDER SUBMISSION.

TE 2: CONFIRM LIGHTING SPECIFICATION WITH INTERIOR DESIGNER AND OWNER PRIOR TO ORDER.

TE 3: CONTRACTOR TO PROVIDE COMPATIBLE DIMMER SWITCH BASED ON LIGHT FIXTURE SELECTION AND FROM THE LISTED DIMMER SWITCHES ON FIXTURE SHOP DRAWINGS.



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**www.interics.ca**







# FATBURGER CHILLWACK

45610 LUCKAKUCK WAY, CHILLWACK, BC

ISSUED FOR BUILDING PERMIT  
23/11/02

PLUMBING LEGEND	
—S—	SANITARY BELOW
—S—	SANITARY ABOVE
— EXS —	EXISTING SANITARY
—V—	SANITARY VENT
—ST—	STORM BELOW
—ST—	STORM ABOVE
—EXST—	EXISTING STORM ABOVE
—P SAN—	PUMPED SANITARY
—P ST—	PUMPED STORM
—CDP—	CONDENSATE PIPE
—GS—	GREASE SANITARY
—G—	GAS LINE
—EXG—	EXISTING GAS LINE
—C—	DOMESTIC COLD WATER
—H—	DOMESTIC HOT WATER - 140°F
—R—	DOMESTIC HOT WATER RECIRC
—R—	EXISTING DOMESTIC COLD WATER
—R—	RADON EXHAUST LINE
—CA—	COMPRESSED AIR
—VAC—	VACUUM LINE
—FCWF—	FILTERED COLD WATER FROM # FILTER
—HWS—	HEATING SUPPLY LINE
—HWR—	HEATING RETURN LINE
—HWRR—	HEATING REVERSE RETURN LINE
—CHWS—	CHILLED WATER SUPPLY LINE
—CHWR—	CHILLED WATER RETURN LINE
—HGS—	HOT GLYCOL SUPPLY LINE
—HGR—	HOT GLYCOL RETURN LINE
CO	CLEAN OUT BELOW GRADE
CO	CLEAN OUT ABOVE GRADE
~	PIPE BREAK
FD	FLOOR DRAIN
HD	HUB DRAIN
FFD	FUNNEL FLOOR DRAIN
AD	AREA DRAIN
PD	PLANTER DRAIN
RD	ROOF DRAIN
V	SHUT OFF VALVE
XB	GLOBE/BALANCING VALVE
TV	CONTROL VALVE
ST	STRAINER
RV	RELIEF VALVE
SV	SOLENOID VALVE
Z	BACKFLOW PREVENTOR
CV	CHECK VALVE
HB	HOSE BIBB
DCVA	DCVA (DUAL CHECK VALVE ASSEMBLY)
TV	THERMOSTATIC VALVE
P	PUMP
DT	DRAIN TRAP
PT	P-TRAP
LB	LAUNDRY BOX
PRV	PRESSURE REDUCING VALVE
GC	GAS COCK
GM	GAS METER
WM	WATER METER
CM	CHECK METER
CWS	COLD WATER C/W STOPS
HWS	HOT WATER C/W STOPS
DF	DIRECTION OF FLOW
PR	PIPE RISE
PD	PIPE DROP
PTD	PIPE TEE DOWN
PTU	PIPE TEE UP

HVAC LEGEND	
SA	SUPPLY AIR DUCT UP
RA	SUPPLY AIR DUCT DOWN
EA	RETURN AIR DUCT UP
RA	RETURN AIR DUCT DOWN
EA	EXHAUST AIR DUCT UP
RA	EXHAUST AIR DUCT DOWN
EA	OUTDOOR AIR DUCT UP
RA	OUTDOOR AIR DUCT DOWN
SA	SUPPLY AIR DIFFUSER
RA	ROUND S/A DIFFUSER
SA	SUPPLY AIR GRILLE
MA	MAKE-UP AIR DIFFUSER
LD	LINEAR DIFFUSER
DG	DOOR GRILLE
RG	RETURN AIR GRILLE
SWSG	SIDE WALL SUPPLY GRILLE
SWRG	SIDE WALL RETURN GRILLE
L	LOUVER
E	EXHAUST HOOD
FD	FLEX DUCT
EG	EXHAUST GRILLE
DB	DUCT BREAK
BD	BALANCING DAMPER
TD	TO ABOVE
TB	TO BELOW
FA	FROM ABOVE
FB	FROM BELOW
T.O.S.	TOP OF SLAB
A.F.F.	ABOVE FINISH FLOOR
N.I.C.	NOT IN CONTRACT
BOH	BACK OF HOUSE
FGH	FRONT OF HOUSE
DUC	DOOR UNDERCUT
FCU	FAN COIL UNIT
MUA	MAKE UP AIR UNIT
EF	EXHAUST FAN
FUR	FURNACE UNIT
CU	CONDENSING UNIT
CH	CHILLER UNIT
FF	FORCE FLOW UNIT
BB	BASEBOARD UNIT
IF	INFRARED HEATING UNIT
ERV	ENERGY RECOVERY VENTILATOR
HRV	HEAT RECOVERY VENTILATOR
EDH	ELECTRIC DUCT HEATER
CM	CHECK METER
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DWHR	DOMESTIC HOT WATER RECIRCULATION
DCVA	DOUBLE-CHECK VALVE ASSEMBLY
NFHB	NON FREEZE HOSE BIBB
HB	HOSE BIBB
R	RADON EXHAUST
S	SANITARY LINE
ST	STORM LINE
V	SANITARY VENT LINE
WT	WEeping TILE
WS	WASTE STACK
RWL	RAINWATER LEADER
WC	WATER CLOSET
LAV	LAVATORY
MS	MOP SINK
WF	WASH FOUNTAIN
FE	FIRE EXTINGUISHER
EX	EXISTING TO REMAIN
RL	EXISTING TO BE RELOCATED

FIRE PROTECTION LEGEND	
SP	SPRINKLER LINE
SP	PENDANT-TYPE SPRINKLER
SP	UP-RIGHT SPRINKLER
SP	DRY-TYPE SPRINKLER
SP	CONCEALED SPRINKLER
SP	SIDE-WALL SPRINKLER
TS	TEST STATION
TS	TAMPER SWITCH
FS	FLOW STATION
FC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER WITH CABINET 5LB REG. 10LB KITCHEN
HC	FIRE HOSE CABINET

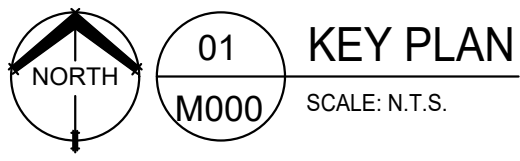
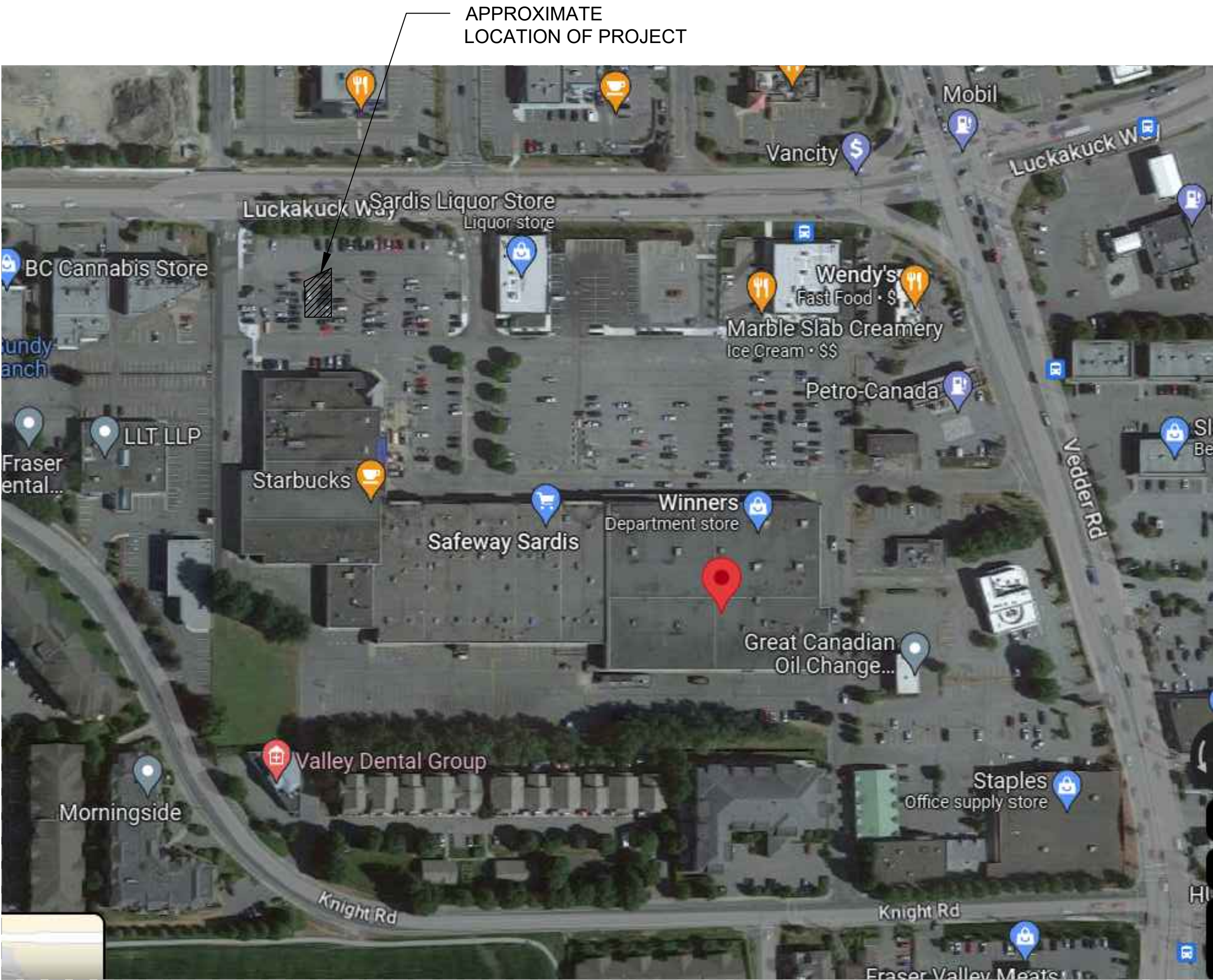
ABBREVIATION	
S/A	SUPPLY AIR DUCT
R/A	RETURN AIR DUCT
E/A	EXHAUST AIR DUCT
O/A	OUTSIDE AIR DUCT
C/A	COMBUSTION AIR DUCT
BD	BALANCING DAMPER
FD	FIRE DAMPER
C/W	COMPLETE WITH
T/A	TO ABOVE
T/B	TO BELOW
F/A	FROM ABOVE
F/B	FROM BELOW
T.O.S.	TOP OF SLAB
A.F.F.	ABOVE FINISH FLOOR
N.I.C.	NOT IN CONTRACT
BOH	BACK OF HOUSE
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MS	MOP SINK
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FE	FIRE EXTINGUISHER
EX	EXISTING TO REMAIN
RL	EXISTING TO BE RELOCATED

MECHANICAL	
PROJECT MANAGER: TERRY TSAN E-MAIL:tsan@embeconsulting.ca	
DESIGNER/DRAFTER: CINDY XU E-MAIL:cxu@embeconsulting.ca	
CONSTRUCTION ADMIN	
E-MAIL:ca@embeconsulting.ca PHONE:403-460-2277	

MECHANICAL TAG	
MECHANICAL EQUIPMENT TAG	EQUIPMENTS OR PLUMBING FIXTURES NUMBER
EXISTING EQUIPMENT	EX. (RTU)
WEIGHT OR TOTAL AIR FLOW	ADDITIONAL INFORMATION
T	KEY NOTE TAG
XX	KITCHEN EQUIPMENT TAG
TAG	GENERAL USE
TAG	PIPE TAG
REFER TO REFER TO	MATCHLINE

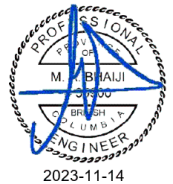
CRITICAL STAGE INSPECTIONS	
THE FOLLOWING IS A LIST OF 'CRITICAL INSPECTIONS' THAT SHALL BE PERFORMED BY EMBE CONSULTING. THE GENERAL CONTRACTOR SHOULD NOTIFY THIS CONSULTANT A MINIMUM OF 3 WORKING DAYS (5WORKING DAYS FOR PROJECTS OUTSIDE OF MAIN OFFICE LOCATION) IN ADVANCE OF DATE OF REQUIRED INSPECTION.	
FAILURE TO COMPLY WITH THE FOLLOWING INSPECTION REQUIREMENTS MAY RESULT IN THIS CONTRACTOR HAVING TO EXPOSE ANY INACCESSIBLE MECHANICAL SYSTEMS AT THE DISCRETION OF EMBE CONSULTING AND AT THE CONTRACTOR'S COST AND FOR ANY COSTS WHICH MAY BE INCURRED TO RETEST SYSTEMS NOT WITNESSED BY EMBE CONSULTING.	
1. BELOW GRADE PIPING SYSTEMS (INSIDE BUILDING) - WHEN PIPING SYSTEMS ARE COMPLETELY INSTALLED AND TESTED BUT BEFORE BACKFILLING HAS BEEN STARTED.	
2. ABOVE SLAB PLUMBING & HVAC ROUGH-IN - WHEN ALL PLUMBING SYSTEMS HAVE BEEN ROUGHED-IN AND PRESSURE TESTED BUT BEFORE ANY DRYWALL OR PIPE INSULATION HAS BEEN STARTED. ANY HVAC THAT WILL BE HIDDEN AT TIME OF SUBSTANTIAL COMPLETION SHOULD BE COMPLETED FOR REVIEW AT THIS TIME.	
3. SUBSTANTIAL COMPLETION - WHEN ALL PLUMBING & HVAC SYSTEMS ARE SUBSTANTIALLY COMPLETE AND OPERATIONAL.	
REMEMBER: BEFORE YOU CALL THE CITY FOR AN INSPECTION, CONTACT EMBE CONSULTING FOR AN INSPECTION.	
CLIENTS TO REVIEW THEIR INDIVIDUAL PROPOSAL FOR SITE VISITS INCLUDED.	

DRAWING LIST	
SHEET NUMBER	SHEET NAME
M000	MECHANICAL COVER PAGE
M101	FLOOR PLAN - DRAINAGE
M201	FLOOR PLAN - PLUMBING
M301	FLOOR PLAN - HVAC
M401	FLOOR PLAN - FIRE PROTECTION
M501	ROOF PLAN - MECHANICAL
M601	MECHANICAL SCHEDULES
M701	MECHANICAL DETAILS
M801	MECHANICAL SPECIFICATIONS



CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM NYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS  
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PERMIT # 1000420

ISSUE: DATE:  
1. ISSUED FOR UNDERGROUND 23-06-14  
2. ISSUED FOR BUILDING PERMIT 23-11-02

REVISION: DATE:



PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
**MECHANICAL COVER**  
PAGE

DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY CX / TT  
PROJECT NO. 22290

DRAWING NO. **M000**

**INTERICS**  
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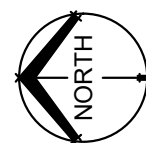
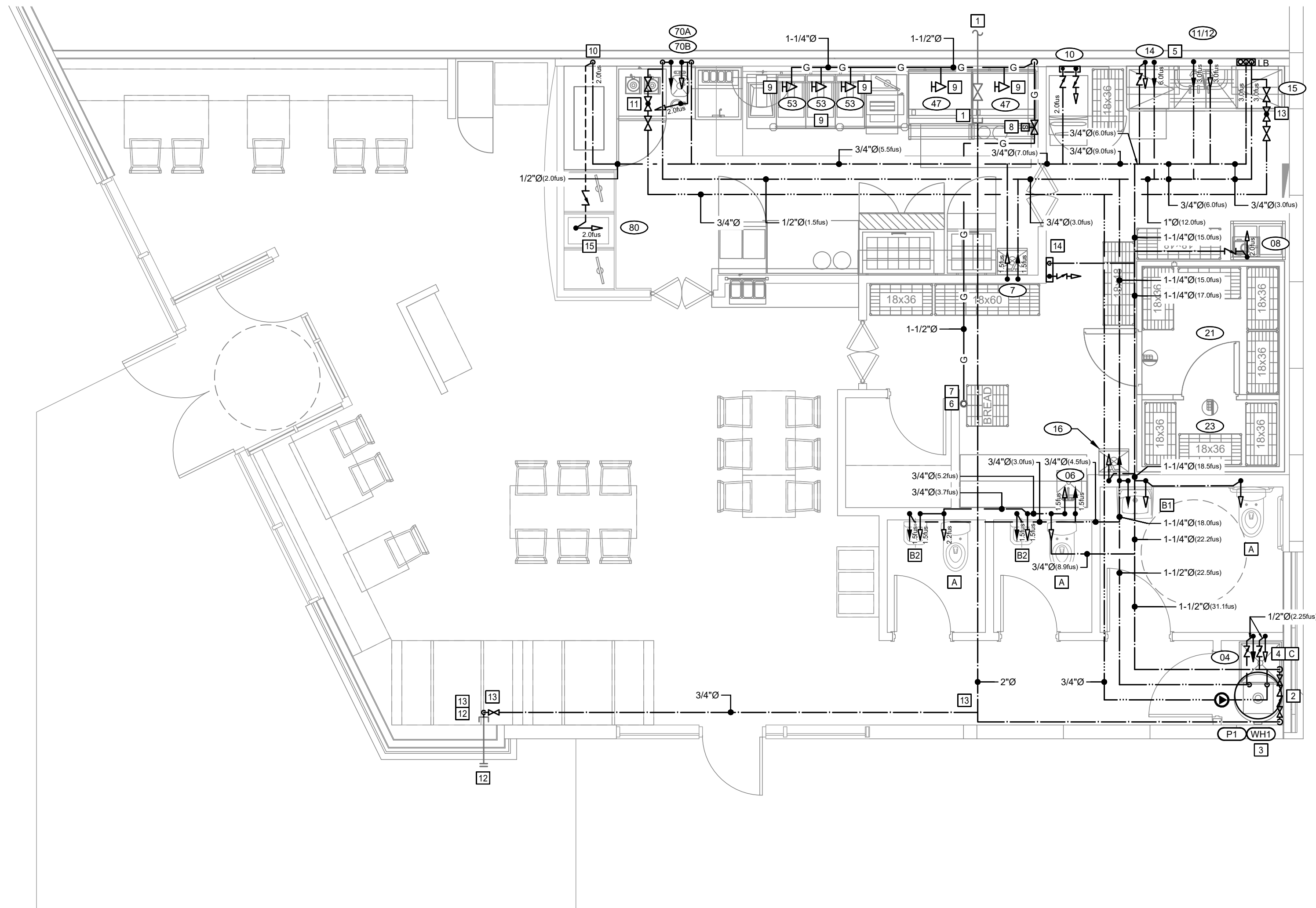
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GENERAL NOTES:

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES REQUESTED FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
2. LOCATION OF EXISTING SERVICES ARE APPROXIMATE.
3. WHERE DISCREPANCIES ARE FOUND, CONTRACT ENGINEER IN WRITING PRIOR TO SUBMITTING PRICE.
4. CONTRACTOR TO COORDINATE FILTRATION REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER. PROVIDE APPROPRIATE PIPING BASED ON INSTALLATION INSTRUCTIONS.
5. PROVIDE STOPS ON ALL SUPPLIES.
6. COORDINATE WITH ARCH. FOR FURRED PLUMBING WALL AS REQUIRED.
7. CONTRACTOR TO ENGAGE STRUCTURAL ENGINEER TO VERIFY ALL SEISMIC REQUIREMENTS FOR PIPE AND DUCT HANGING METHODS. STRUCTURAL ENGINEER IS REQUIRED TO SUBMIT SCHEDULES S-B AND S-C TO MECHANICAL ENGINEER.

PLUMBING NOTES:

- 1 APPROXIMATE LOCATION OF EXISTING 2" COLD WATER LINE C/W SHUT-OFF VALVE CAPPED IN TENANT CEILING HIGH LEVEL PROVIDED BY LANDLORD TO REMAIN. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- 2 PROVIDE DCAV ISOLATION ON MAIN WATER SUPPLY LINE INSTALL 60" A.F.F. FOR EASY ACCESS AND EXTEND NEW 2" COLD WATER LINE FROM EXISTING TO TENANT NEW PLUMBING FIXTURES. DRAIN TO NEAREST SINK. CONTRACTOR TO PROVIDE ALL FITTINGS AS REQUIRED.
- 3 PROVIDE NEW WATER HEATER LOCATED ABOVE MOP SINK IN T-BAR CEILING SPACE. EXTEND 1-1/2" COLD AND HOT WATER LINES TO AND FROM HOT WATER TANK & 1/2" RECIRC LINE C/W PUMP TO HOT WATER REFER TO DETAIL. INSTALL PER MANUFACTURER INSTRUCTIONS.
- 4 PROVIDE DCAV FOR MOP SINK HW AND CW LINE.
- 5 PROVIDE 3/4" HOT WATER CONNECTION TO DISHWASHER. PROVIDE 1/2" COLD WATER CONNECTION TO DISHWASHER. PROVIDE 120°F TEMPERATURE IS ABOVE 180°F C/W BACKFLOW PREVENTER AS REQUIRED. CONFIRM WITH DISHWASHER SUPPLIER.
- 6 APPROXIMATE LOCATION OF EXISTING ROOF JACK FOR TENANT NEW GAS LINE DROP DOWN FROM ROOF ABOVE. CONTRACTOR TO CONFIRM EXACT ROOF JACK LOCATION ON SITE.
- 7 NEW RUN 1-1/2" GAS LINE FROM ROOF ABOVE AND THEN RUN IN CEILING HIGH LEVEL TO TENANT NEW GAS FIRED EQUIPMENT AS SHOWN FLAM PLAN.
- 8 EXTEND NEW 1-1/2" GAS LINE TO KITCHEN EQUIPMENT C/W SOLENOID VALVE. CONFIRM EXACT LOCATION ON SITE. SOLENOID VALVE TO BE INTERLOCKED W/FIRE SUPPRESSION SYSTEM TO SHUT-OFF GAS SUPPLY WHEN SUPPRESSION SYSTEM IS ACTIVATED. FIRE SUPPRESSION SYSTEM TO BE INTERLOCKED W/FIRE ALARM SYSTEM. SOLENOID VALVE TO BE PROVIDED AND INSTALLED BY PLUMBER.
- 9 PROVIDE GAS LINE DOWN IN WALL AND RUN 60" A.F.F. TO KITCHEN EQUIPMENT C/W 3 FLEX CONNECTIONS AND 3 FEET OF SLACK TO APPLIANCE. CONTRACTOR TO CONFIRM EXACT MOUNTING HEIGHT AND LOCATION WITH KITCHEN EQUIPMENT SUPPLIER PER MANUFACTURER'S RECOMMENDATIONS.
- 10 DROP DOWN 1/2" COLD WATER LINE IN WALL AND RUN COLD WATER LINE IN UNDER COUNTER TO FRONT BAR POP MACHINE LOCATION.
- 11 PROVIDE 3/4" THERMOSTATIC BALANCING VALVE C/W SHUT OFF VALVES AS SHOWN ON DRAWING. THERMOSTATIC BALANCING VALVE TO BE CIRCUIT SOLVER MODEL NO. CS-34-135. INSTALL BALANCING VALVES AS PER MANUFACTURER'S INSTRUCTION.
- 12 EXISTING HOSE BIBB C/W CAPPED COLD WATER LINE INSIDE OF BUILDING OF BUILDING ENVELOPE TO REMAIN AS IS. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- 13 EXTEND NEW 3/4" COLD WATER LINE FROM NEW 2" MAIN COLD WATER LINE C/W SHUT OFF VALVE TO EXISTING HOSE BIBB CONNECTION.
- 14 EXTEND NEW 1/2" COLD WATER LINE TO PRIMERS CONTROL PANEL. PEX TUBING ACCEPTABLE FOR TRAP PRIMER PIPING. REFER TO DETAIL FOR MORE INFORMATION. INSTALL TRAP PRIMER AND PIPING PER MANUFACTURER INSTRUCTION.
- 15 EXTEND POP PIPE FROM BAG IN BACK THEN UP TO AND RUN IN CEILING HIGH LEVEL. THEN DROP DOWN IN WALL AND TO FRONT POP DISPENSER LOCATION. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER FOR EXACT INSTALLATION REQUIREMENTS ON SITE.

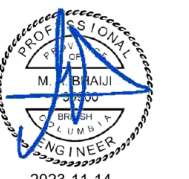


01 FLOOR PLAN - PLUMBING  
M201 SCALE: 1/4" = 1' - 0"

ELECTRICAL / MECHANICAL ENGINEERS



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PERMIT # 1000420

ISSUE: \_\_\_\_\_ DATE: \_\_\_\_\_

1. ISSUED FOR UNDERGROUND	23-06-14
2. ISSUED FOR BUILDING PERMIT	23-11-02

REVISION: \_\_\_\_\_ DATE: \_\_\_\_\_



## FATBURGER CHILLWACK

45610 LUCKAKUCK WAY, CHILLWACK, BC

## FLOOR PLAN - PLUMBING

DATE JUNE 2023

SCALE AS NOTED

DRAWN BY CX / TT

PROJECT NO. 22290

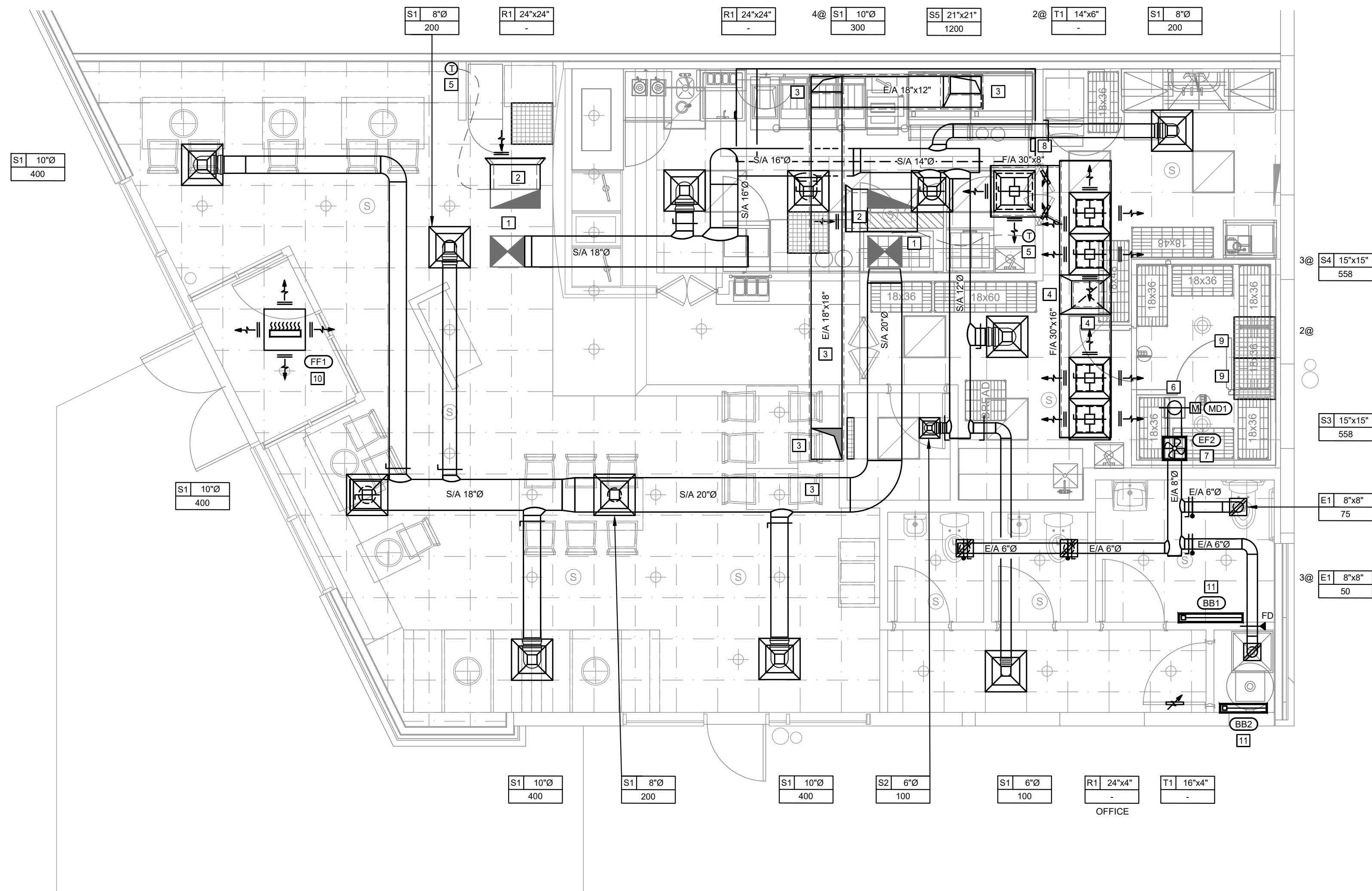
DRAWING NO. **M201**

# INTERICS

5011 Centre St. NW Calgary, AB T2K 0S9  
P: 403-265-2252 F: 403-265-2258

[www.interics.ca](http://www.interics.ca)





01 FLOOR PLAN - HVAC  
M301 SCALE: 1/4" = 1' - 0"

### GENERAL NOTES:

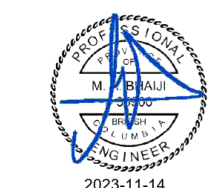
- BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
- LOCATION OF EXISTING SERVICES ARE APPROXIMATE.
- WHERE DISCREPANCIES ARE FOUND, CONTACT ENGINEER IN WRITING PRIOR TO SUBMITTING PRICE.
- ALL BRANCH DUCTWORK TO HAVE BALANCING DAMPERS.
- CONTRACTOR TO RUN ALL DUCTWORK AT HIGHEST LEVEL POSSIBLE. WHERE JOIST SPACING AND WEBBING ALLOWS DUCTWORK TO BE RUN IN JOIST SPACE.
- ALL EXHAUST HOOD DUCT WORK TO COMPLY TO NFPA 96 REQUIREMENTS. ENSURE ALL CLEARANCE AND ACCESS IS PROVIDED.
- COORDINATE WITH LIGHTING & SPEAKER LAYOUT.
- PROVIDE RETURN AIR OPENING AT FULL HEIGHT WALL IF NEEDED. CONFIRM ON SITE.
- CONTRACTOR TO ENGAGE STRUCTURAL ENGINEER TO VERIFY ALL SEISMIC REQUIREMENTS FOR PIPE AND DUCT HANGING METHODS. STRUCTURAL ENGINEER IS REQUIRED TO SUBMIT SCHEDULES S-B AND S-C TO MECHANICAL ENGINEER.
- CONTRACTOR TO PROVIDE SEPARATE PRICE FOR DUCTED RETURN IF THE BASE BUILDING IS WOOD CONSTRUCTION. CONFIRM ON SITE.

### HVAC NOTES:

- APPROXIMATE LOCATION OF EXISTING SUPPLY AND RETURN AIR DUCTWORK DOWN FROM EXISTING 5.0 TONS RTUB1-1 WITH 1600CFM AIR FLOW AND EXISTING 5.0 TONS RTUB1-2 WITH 2000CFM AIR FLOW ABOVE TO REMAIN. CONTRACTOR TO VERIFY EXACT LOCATION ON SITE.
- PROVIDE ACOUSTICALLY-LINED RETURN AIR ELBOW.
- EXTEND NEW 18"x18" KITCHEN EXHAUST DUCT FROM EXHAUST HOOD COLLAR AND RUN IN CEILING SPACE AND UP THROUGH ROOF TO ROOF MOUNTED EXHAUST FAN EF1. TRANSITION KITCHEN HOOD EXHAUST DUCT UP C/W 3M FIRE WRAP TO ROOF MOUNTED EXHAUST FAN ROOF OPENING. EXHAUST DUCTS TO BE 16 GAUGE, WELDED BLACK STEEL. INSTALL GREASE EXHAUST DUCTWORK AS PER NFPA 96. WELDED DUCTWORK TO MAINTAIN CLEARANCES FROM COMBUSTIBLES. LIMITED COMBUSTIBLES AND NON COMBUSTIBLES PER NFPA 96. PROVIDE 3M FIRE WRAP OR EQUIVALENT IF CLEARANCES CANNOT BE OBTAINED.
- EXTEND NEW MAKE-UP AIR DUCT FROM MUA1 DISCHARGE AIR DUCT DROP C/W TRANSITION DOWN TO TENANT BELOW TO 30"x16" MUA DUCT. ENSURE DUCT TRANSITION TO FIT BETWEEN JOIST AND THEN EXTEND NEW 30"x16" MUA DUCT TO MAKE-UP AIR DIFFUSER LOCATION. REFER TO DIFFUSER TAG FOR NECK SIZE.
- RELOCATE 7-DAY PROGRAMMABLE THERMOSTAT WHERE SHOWN C/W LOCKBOX. SET FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS.
- APPROXIMATE LOCATION OF EXISTING ROOF OPENING FOR TENANT GENERAL EXHAUST AIR DUCT USE TO REMAIN. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- EXTEND NEW 8" EXHAUST AIR DUCT FROM NEW CEILING MOUNTED EF2 UP THROUGH EXISTING ROOF OPENING C/W MOTORIZED DAMPER, BACKDRAFT DAMPER, GOOSENECK & BIRDSCREEN. INSULATE EXHAUST DUCT 10 FEET BACK FROM ROOF OPENING.
- PROVIDE REMOTE CONTROL PANEL FOR MUA1. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE. INSTALL PER MANUFACTURER INSTRUCTIONS.
- WALK-IN COOLER/FREEZER CONDENSING UNITS SUPPLIED AND INSTALLED BY OTHERS. CONDENSERS SHALL BE INSTALLED IN OPEN AIR CEILING SPACE. CONTRACTOR TO CONFIRM EXACT CONDENSING UNIT LOCATION ON SITE AND LOCATE 24"x24" RETURN AIR GRILLES CLOSE TO CONDENSING UNIT. ENSURE ADEQUATE AIR FLOW AROUND CONDENSER.
- PROVIDE 4KW FORCE FLOW HEATER BY ELECTRICAL CONTRACTOR.
- PROVIDE BASE BOARD HEATER BY ELECTRICAL CONTRACTOR.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM NYC CYCLE.

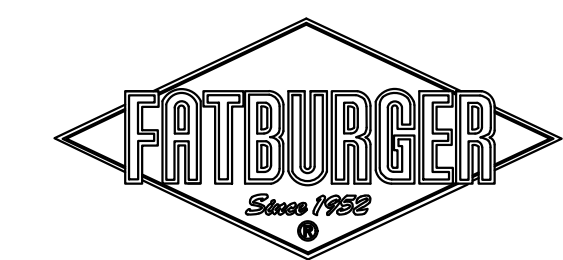
### ELECTRICAL / MECHANICAL ENGINEERS



PERMIT # 1000420

ISSUE: DATE:  
1. ISSUED FOR UNDERGROUND 23-06-14  
2. ISSUED FOR BUILDING PERMIT 23-11-02

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### PROJECT TITLE

FATBURGER CHILLWACK

45610 LUCKAKUCK WAY, CHILLWACK, BC

### DRAWING TITLE

FLOOR PLAN - HVAC

DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY CX / TT  
PROJECT NO. 22290

DRAWING NO. M301

INTERICS

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 01 FLOOR PLAN - FIRE PROTECTION  
M401 SCALE: 1/4" = 1' - 0"

**GENERAL NOTES:**

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
2. LOCATION OF EXISTING SERVICES ARE APPROXIMATE.
3. WHERE DISCREPANCIES ARE FOUND, CONTACT ENGINEER IN WRITING PRIOR TO SUBMITTING PRICE.
4. SPRINKLER LAYOUT IS SCHEMATIC ONLY. FINAL SPRINKLER DESIGN IS TO BE DONE BY SPRINKLER CONTRACTOR.
5. SPRINKLER CONTRACTOR TO MODIFY EXISTING SYSTEM TO ENSURE ADEQUATE COVERAGE AS PER NFPA13.
6. COORDINATE NEW SPRINKLER LAYOUT WITH DIFFUSER LAYOUT, NEW CEILING STRUCTURE, LIGHTING AND SPEAKER LAYOUT ON SITE PRIOR TO ROUGH IN.
7. CONTRACTOR TO ENGAGE STRUCTURAL ENGINEER TO VERIFY ALL SEISMIC REQUIREMENTS FOR PIPE AND DUCT HANGING METHODS. STRUCTURAL ENGINEER IS REQUIRED TO SUBMIT SCHEDULES S-B AND S-C TO MECHANICAL ENGINEER.

**FIRE PROTECTION NOTES:**

1. PROVIDE NEW CONCEALED SPRINKLER HEAD IN NEW T-BAR CEILING AND DRY WALL CEILING.
2. PROVIDE FIRE EXTINGUISHER PER NFPA10. TYPE K FIRE EXTINGUISHER IN KITCHEN.
3. PROVIDE DRY TYPE SPRINKLER HEADS IN WALK-IN COOLER. COORDINATE STEM LENGTH WITH WALL THICKNESS.
4. PROVIDE DRY CHEMICAL FIRE SUPPRESSION SYSTEM TO KITCHEN EXHAUST HOOD. INTERLOCK FIRE SUPPRESSION SYSTEM WITH FIRE ALARM SYSTEM.
5. PROVIDE MANUAL PULL STATION FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM. CONFIRM EXACT LOCATION WITH ARCHITECTURAL ON SITE.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS

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Consulting Engineers Inc.

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PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
**FLOOR PLAN - FIRE PROTECTION**

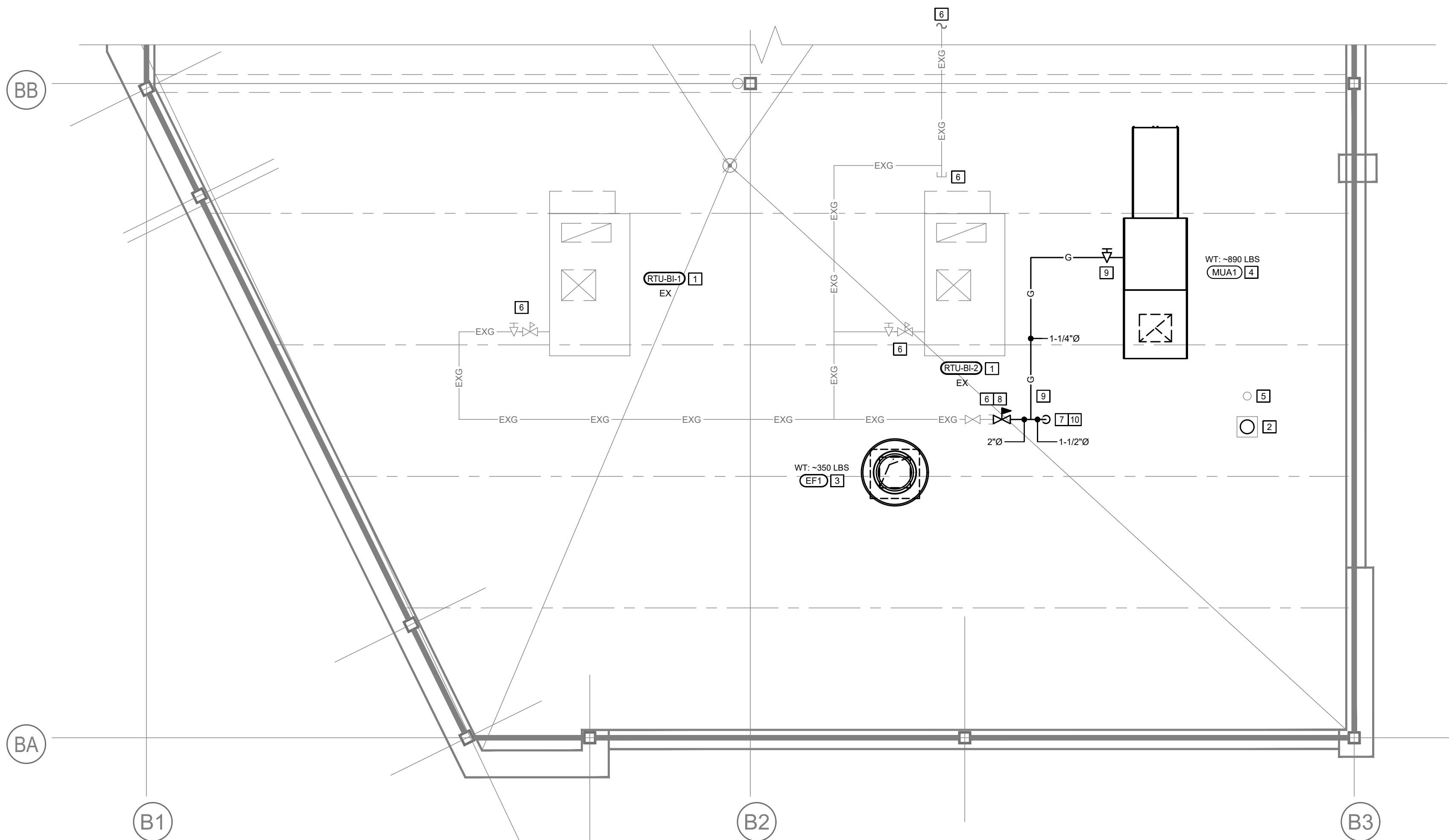
DATE **JUNE 2023**  
SCALE **AS NOTED**  
DRAWN BY **CX / TT**  
PROJECT NO. **22290**


DRAWING NO. **M401**

**INTERICS**

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 01  
M501 ROOF PLAN - MECHANICAL  
SCALE: 1/4" = 1' - 0"

**GENERAL NOTES:**

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTORS RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTORS COST.
2. LOCATION OF EXISTING SERVICES ARE APPROXIMATE.
3. WHERE DISCREPANCIES ARE FOUND, CONTACT ENGINEER IN WRITING PRIOR TO SUBMITTING PRICE.
4. SPRINKLER LAYOUT IS SCHEMATIC ONLY. FINAL SPRINKLER DESIGN IS TO BE DONE BY SPRINKLER CONTRACTOR.
5. SPRINKLER CONTRACTOR TO MODIFY EXISTING SYSTEM TO ENSURE ADEQUATE COVERAGE AS PER NFPA13.
6. COORDINATE NEW SPRINKLER LAYOUT WITH DIFFUSER LAYOUT, NEW CEILING STRUCTURE, LIGHTING AND SPEAKER LAYOUT ON SITE PRIOR TO ROUGH IN.
7. CONTRACTOR TO ENGAGE STRUCTURAL ENGINEER TO VERIFY ALL SEISMIC REQUIREMENTS FOR PIPE AND DUCT HANGING METHODS. STRUCTURAL ENGINEER IS REQUIRED TO SUBMIT SCHEDULES S-B AND S-C TO MECHANICAL ENGINEER.

**ROOF MECHANICAL NOTES:**

1. APPROXIMATE LOCATION OF EXISTING 5 TONS (2000 CFM) RTU-B1-2 AND 4 TONS RTU-B1-1 (1600 CFM) FROM BASE BUILDING C/W ASSOCIATED GAS LINE ON ROOF TO REMAIN AS IS. CONTRACTOR TO VERIFY EXACT LOCATION & SPECIFICATION ON SITE. FAN TO RUN CONTINUOUSLY DURING OCCURRED HOURS. SET OUTDOOR AIR DAMPER AT 13%.
2. APPROXIMATE LOCATION OF EXISTING ROOF OPENING FOR FUTURE TENANT GENERAL EXHAUST DUCT USE TO REMAIN AS IS. EXTEND NEW 8"Ø GENERAL EXHAUST AIR DUCT FROM BELOW AND UP THROUGH ROOF C/W GOOSENECK, BIRDSCREEN AND BACK DRAFTER DAMPER. ENSURE 10 FEET CLEARANCE FROM ALL INTAKES.
3. PROVIDE NEW KITCHEN EXHAUST FAN C/W NEW VENTED ROOF CURB AND GREASE PAN. PROVIDE NEW ROOF OPENING. EXTEND NEW 18"x18" EXHAUST AIR DUCT FROM EXHAUST AIR DUCT BELOW AND UP THROUGH ROOF OPENING C/W 3M FIRE WRAP TO FIT BETWEEN JOIST TO FLOOR MOUNTED KITCHEN EXHAUST FAN EP1. SEE DETAIL FOR MORE INFORMATION. ENSURE TEN FEET (10') CLEARANCE FROM ALL INTAKES AND PROPERTY LINE.
4. PROVIDE NEW MAKE-UP AIR UNIT MUA1 C/W 14" HIGH ROOF CURB. ENSURE 10 FEET CLEARANCE FROM ALL EXHAUSTS. EXTEND NEW MUA DUCT FROM MUA1 DROP C/W TRANSITION DOWN TO TENANT BELOW TO 30"x16" MUA DUCT. ENSURE DUCT TRANSITION TO FIT BETWEEN JOIST AND THEN EXTEND NEW 30"x16" MUA DUCT TO HOOD PLENUM C/W 1" ACOUSTIC INSULATION. PROVIDE NEW ROOF OPENING. CONFIRM EXACT LOCATION ON SITE. COORDINATE WITH STRUCTURAL. PROVIDE FLUE EXTENSION TO RTUS IF NECESSARY TO ACHIEVE MINIMUM CLEARANCE.
5. APPROXIMATE LOCATION OF EXISTING 3"Ø SANITARY VENT FROM BELOW AND UP THROUGH ROOF C/W ROOF TERMINATION. ENSURE 10 FEET CLEARANCE FROM ALL INTAKES.
6. APPROXIMATE LOCATION OF EXISTING 1"Ø GAS LINE WITH TOTAL 2273 MBH CAPACITY @ 2PSI THEN SERVE EXISTING RTUS C/W PRV AND GAS COCK AND CAPPED AND VALVED ON ROOF TO REMAIN. CONTRACTOR CONFIRM EXACT EXISTING GAS SERVICE ON SITE.
7. APPROXIMATE LOCATION OF EXISTING ROOF JACK FOR FUTURE TENANT GAS USE TO REMAIN AS IS. CONFIRM EXACT LOCATION ON SITE.
8. EXTEND NEW 2"Ø GAS LINE C/W PRV FROM EXISTING GAS LINE CONNECTION TO TENANT NEW UNITS AND KITCHEN EQUIPMENT.
9. EXTEND 1-1/4"Ø GAS LINE FROM NEW 2"Ø GAS LINE TO NEW MUA1 C/W GAS COCK. CONTRACTOR TO CONFIRM EXACT GAS ROUTING ON SITE.
10. EXTEND 1-1/2"Ø GAS LINE FROM NEW 2"Ø GAS LINE ON ROOF THEN DROP DOWN THROUGH EXISTING ROOF JACK TO TENANT NEW KITCHEN EQUIPMENT. REFER TO DRAWING M102 FOR CONTINUITY.

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM NYC CYCLE.

**ELECTRICAL / MECHANICAL ENGINEERS**



PERMIT # 1000420

ISSUE: DATE:

1. ISSUED FOR UNDERGROUND 23-06-14
2. ISSUED FOR BUILDING PERMIT 23-11-02

REVISION: DATE:



PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
**ROOF PLAN - MECHANICAL**

DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY CX / TT  
PROJECT NO. 22290

DRAWING NO. M501

**INTERICS**

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GAS LOAD SCHEDULE	
EXISTING 1"Ø GAS LINE WITH TOTAL 2273 MBH CAPACITY @ 2PSI CAPPED AND VALVED ON ROOF TO REMAIN. CONTRACTOR CONFIRM EXACT EXISTING GAS SERVICE ON SITE.	
EXTEND NEW GAS LINE FROM EXISTING GAS CONNECTION C/W PAV TO TENANT GAS EQUIPMENT. SIZED BASED ON THE LENGTH OF PIPE ABOUT 150 FEET TO FURTHEST GAS EQUIPMENT.	
CONTRACTOR TO CONFIRM EXACT GAS SERVICE LOCATION, SIZE AND GAS LOAD ON SITE. COORDINATE WITH UTILITY PROVIDER AND LANDLORD AS REQUIRED.	
EXISTING RTU-B1-1	150 CFH
EXISTING RTU-B1-2	150 CFH
MUA1	346 CFH
GRIDDLE (#47)	50 CFH
GRIDDLE (#47)	50 CFH
FRYER BANK (3x110CFH)	330 CFH
TOTAL GAS EQUIPMENT	1,126 CFH
	1,126,000 BTU/H

TAG: G11  
 MODEL #: SCHIER GREASE INTERCEPTOR G82  
 CAPACITY: 127.6 lbs  
 FLOW RATE: 50 GPM

TAG: G12  
 MODEL #: ENDURA GREASE INTERCEPTOR 3915A02C  
 CAPACITY: 30 lbs  
 FLOW RATE: 15 GPM

TAG: G13  
 MODEL #: SCHIER GREASE INTERCEPTOR G81  
 CAPACITY: 50 lbs  
 FLOW RATE: 25 GPM

FIXTURES:  
 MOP SINK (ITEM D): 0 GPM (NON-SIMULTANEOUS)  
 FLOOR DRAIN: 0 GPM (NON-SIMULTANEOUS)

DOUBLE COMPARTMENT SINK (ITEM #11):  
 (22"x18"x14"x2/31) = 48.0 GPM

PREP. SINK (ITEM #8):  
 (14"x14"x10/231) = 8.5 GPM

MALT TABLE SINK (ITEM #70A):  
 (11"x9"x4/231) = 1.7 GPM

DIPPER WELL (ITEM #70B):  
 (3.14x5.5x5.5"x4/231) = 0.3 GPM

DRAIN FLOOR DRAIN, DOUBLE COMPARTMENT SINK (ITEM #11), MALT TABLE SINK (ITEM #70A) and DIPPER WELL (ITEM #70B) WITH TOTAL 48+1.7+0.3 = 50 GPM @ 1 MINUTE DRAIN DOWN TO GREASE INTERCEPTOR G11.

DRAIN DISHWASHER (ITEM #14): 12 GPM @ 1 MINUTE DRAIN DOWN TO GREASE INTERCEPTOR G12.

DRAIN PREP. SINK (ITEM #8) and MOP SINK: 8.5 GPM @ 1 MINUTE DRAIN DOWN TO GREASE INTERCEPTOR G13.

NOTES: INSTALL FLOOR RECEESSED, PROVIDE ACCESS EXTENSION RISER KIT TO ACCOMMODATE DEEPER INVERTS AS REQUIRED. COORDINATE WITH ARCH. & KITCHEN EQUIPMENT SUPPLIER FOR EXACT LOCATION ON SITE PRIOR TO RIGGING IN. ENSURE NO CONFLICT WITH SINK LEGS AND ANY FOOTINGS.

**GRILLE/DIFFUSER SCHEDULE**

GRILLE/DIFFUSER TYPE → R1    24"x12"  
- ← NECK SIZE OR GRILL SIZE

← AIR FLOW (CFM)

TYPE S1	-	EH PRICE 24"x24" SPD/31/B12 SQUARE PLAQUE DIFFUSER (FINISH: WHITE)
TYPE S2	-	EH PRICE 12"x12" SPD/31/B12 SQUARE PLAQUE DIFFUSER (FINISH: WHITE)
TYPE S3	-	EH PRICE 24"x24" AMD/3P/2S/B12 (FINISH: WHITE)
TYPE S4	-	EH PRICE 24"x24" AMD/3P/3A/B12 (FINISH: WHITE)
TYPE S5	-	EH PRICE 24"x24" AMD/3P/2G/B12 (FINISH: WHITE)
TYPE R1/E1-	-	EH PRICE MODEL 80/F/A/B12 (FINISH: WHITE)
TYPE T1	-	EH PRICE 1800A (FINISH: BY ARCHITECT)

PROVIDE DAMPERS FOR EXHAUST GRILLES

PROVIDE MOUNTING KITS FOR T-BAR AND DRYWALL  
WHERE REQUIRED

PLUMBING FIXTURE LOAD CALCULATION				
FIXTURE	QTY	COLD (FIXTURE UNITS)	HOT (FIXTURE UNITS)	TOTAL (FIXTURE UNITS)
MOP SINK [4]	1	2.25	2.25	3
PREP. SINK [6]	1	1.5	1.5	2
HAND SINK [07&16]	2	1.5x2=3.0	1.5x2=3.0	4
BAG N BOX CARBONATOR [8]	1	2		2
ICE MAKER [10]	1	2		2
KITCHEN 2 COMP. SINK [11]	1	3	3	4
DISHWASHER [14]	1		6	6
WASHER [15]	1	3	3	4
MELT TABLE SINK[70A]	1	1.5	1.5	2
DIPPER WELL [70B]	1	2		2
POP MACHINE [88]	1	2		2
WATER CLOSET[A]	3	2.2x3=6.6		6.6
LAVATORY SINK [8]	3	1.5x3=4.5	1.5x3=4.5	2x3=6
TOTAL		33.35	24.75	45.6

SIZING METHOD: DRAINAGE PRESSURE LOSS METHOD BASED ON HOT WATER VELOCITY OF 1.2 M/S AND COLD WATER VELOCITY OF 1.5 M/S (TABLE 2.4.8.3.1 (2/F) ACCORDING TO BRITISH COLUMBIA PLUMBING CODE 2018. HYDRAULIC FIXTURE LOAD CALCULATED BASED ON TABLE 2.4.8.3. & 2.4.10.6.8 BRITISH COLUMBIA PLUMBING CODE 2018.  
 TOTAL FIXTURE UNIT COUNT: 45.6  
 PIPE MATERIAL: TYPE L HARD COPPER  
 SIZE OF COLD WATER SERVICE CALCULATED: 1-1/2"Ø  
 COLD WATER MAIN SIZE: 1-1/2"Ø  
 HOT WATER MAIN SIZE: 1-1/2"Ø

ELECTRIC HEATER SCHEDULE					
TAG	LOCATION	TYPE	INSTALLATION	CAPACITY	REMARKS
BB1	WASHROOM	BASEBOARD	WALL MOUNT	0.75KW	SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR
BB2	JANITOR ROOM	BASEBOARD	WALL MOUNT	0.5KW	SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR
FF1	VESTIBULE	FORCE FLOW	CEILING RECESSED	3.0KW	SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR

MOTORIZED DAMPER SCHEDULE					
TAG	LOCATION/SERVICE	MAKE	TYPE	INSTALLATION	REMARKS
MD1	EXHAUST AIR DUCT FROM EF2	TAMCO	OPEN/CLOSE	DUCT MOUNTED	SIZE PER DUCT SIZE. OPPOSED BLADE DAMPERS. DYNAMIC MOTORIZED DAMPER RATED FOR STATIC PRESSURE OF 2" (500 Ps). INTERLOCK WITH EF2.

WATER HEATER SCHEDULE								
TAG	LOCATION	MANUFACTURER	MODEL	DIMENSIONS	CAPACITY	WEIGHT	ELECTRICAL DATA	REMARKS
WH1	ABOVE MOP SINK CEILING HUNG	A.O. SMITH	DEL 50	26.5"Øx32.25" (HEIGHT)	50 GAL	~350LBS	208/3/60, 2x5.5KW, SIMULTANEOUS OPERATION	WATER HEATER SHOULD BE DESIGNED CERTIFIED BY UL, INC. ACCORDING TO ANSI Z 21.10.3 - CSA 4.3 GOVERNING STORAGE TYPE WATER HEATERS; MEET THE THERMAL EFFICIENCY AND STANDBY LOSS REQUIREMENTS OF THE U.S. DEPARTMENT OF ENERGY AND CURRENT EDITION ASHRAE/IESNA90.1.

PUMP SCHEDULE								
NO.	SERVICE	FLOW	HEAD	MOTOR POWER	VOLTAGE	MANUFACTURER	MODEL	REMARKS
P1	HOT WATER HEATER RECIRCULATION	1 GPM	8 FT	0.12 HP	120/1/60	GRUNDFOS	UP-15-29 SF	C/W AQUASTAT AND TIMER SET TO CYCLE PUMP TO BE ON 15 MINS OF EVERY 30 MINS.

MAKE-UP AIR UNIT SCHEDULE										
TAG	LOCATION	MAKE	MODEL	HEAT INPUT	HEAT OUTPUT	AIRFLOW (CFM)	E.S.P. ("W.C.)	WEIGHT	ELECTRICAL (V/PH/Hz)	REMARKS
MUA1	ROOF MOUNTED	CAPTIVEAIRE	A2-D.500-20D	346 MBH	318 MBH	3,435	0.5"	~950 LBS	208/3Ø0, 3.0 HP, 9.5 FLA	DIRECT FIRED, DOWN DISCHARGE, ROOF MOUNTED. PROVIDE VIBRATION ISOLATION, 14" ROOF CURB & REMOTE WALL MOUNTED CONTROL PANEL. INTERLOCK WITH EF1 AND FIRE SUPPRESSION SYSTEM.

EXHAUST FAN SCHEDULE								
TAG	LOCATION	MAKE	MODEL	AIRFLOW (CFM)	E.S.P. ("W.C.)	WEIGHT	ELECTRICAL (V/PH/Hz)	REMARKS
EF1	ROOF	CAPTIVEAIRE	DU200HFA	3812	1.5"	~300 LBS	208/3/60, 5.0 HP, 15.0 FLA	VENTED CURB REQUIRED C/W UPBLAST DISCHARGE, GREASE BOX, MEET NFPA 96 GUIDELINES, AND INTERLOCK WITH MUA1.
EF2	WASHROOM CEILING SPACE	BROAN	L250L	225	0.25"	~30 LBS	120/1/60	TO BE INTERLOCKED WITH MASTER LIGHTING CONTROL, TO RUN CONTINUOUSLY WHEN SPACE IS OCCUPIED. EXTEND 8"Ø EXHAUST DUCT TO EXISTING CONNECTION C/W BACKDRAFT DAMPER. INSULATE EXHAUST DUCT 10 FEET BACK FROM WALL PENETRATION OPENING.

FRESH AIR CALCULATIONS (BASED ON ASHRAE 62.1-2016)						
SPACE	AREA (FT²)	ESTIMATED OCCUPANCY	CFM/FT²	CFM/PERSON	O/A REQUIRED (CFM)	O/A PROVIDED BY EXISTING RTUS( RTU B1-1 & RTU B1-2)
KITCHEN	790	5	0.12	7.5	132.30	RTU-B1-1 WITH TOTAL 1600CFM AIR FLOW & RTU-B1-2 WITH TOTAL 2000 CFM @ 20% O/A = (1600+2000)x20% = 720CFM
DINNING	807	38	0.18	7.5	430.26	
TOTAL	1597	43			562.56	
THE VENTILATION SYSTEM AND ALL THE ASSOCIATED COMPONENTS ARE DESIGNED TO ASHRAE 62.1 - 2016						
THE ENGINEER OF RECORD CONFIRMS THE VENTILATION RATES WILL BE SUFFICIENT.						
THE ENGINEER OF RECORD SUGGESTS THE STANDARD WILL BE USED ITS ENTIRELY FOR THE SCOPE OF THE ENTIRE PROJECT.						

PLUMBING FIXTURE SCHEDULE											
TAG NO.	FIXTURE	MANUFACTURER	CAT. #	MODEL	ACCESSORIES	TRIM/SUPPLIES	TRAP	DRAIN	VENT	C.W.	H.W.
A	WATER CLOSET ADA COMPLAINT	AMERICAN STANDARD	215AA04	CADET PRO RIGHT HEIGHT ELONGATED BARRIER FREE WATER CLOSET. CAULK SPACE BETWEEN FLOOR AND BOTTOM OF BOWL.	WHITE WITH SEAT AND LOCKABLE TANK LID, BOLTS, NUTS AND CAPS.	OFFSET FLUSH, FLEXIBLE C/W STOPS ON SUPPLIES	INTEGRAL	4"	2"	1/2"	-
B1	LAVATORY BASIN ADA COMPLAINT	TOTO	LT307(A)	COMMERCIAL BARRIER FREE WALL HUNG LAVATORY. #1 COTTON FINISHES.	#1 COTTON FINISHES, STEEL HANGER, P-TRAP, POP-UP WASTE ASSEMBLY, FLEXIBLE ANGLE SUPPLIES WITH SCREWDRIIVER STOPS AND ESCUTCHEONS ON SUPPLIES AND DRAIN LINE.	MOEN-SINGLE-HANDLE ADA METERING LAVATORY FAUCET, MODEL # 8884 (CHROME) FINISHES (TYP. ALL W/C'S)	P-TRAP	1-1/2"	1-1/4"	1/2"	1/2"
B2	LAVATORY BASIN ADA COMPLAINT	TOTO	LT307(A)	COMMERCIAL BARRIER FREE WALL HUNG LAVATORY. #1 COTTON FINISHES.	#1 COTTON FINISHES, STEEL HANGER, P-TRAP, POP-UP WASTE ASSEMBLY, FLEXIBLE ANGLE SUPPLIES WITH SCREWDRIIVER STOPS AND ESCUTCHEONS ON SUPPLIES AND DRAIN LINE.	MOEN-SINGLE-HANDLE ADA METERING LAVATORY FAUCET, MODEL # 8884 (CHROME) FINISHES (TYP. ALL W/C'S)	P-TRAP	1-1/2"	1-1/4"	1/2"	1/2"

CONFIRM ALL PLUMBING FIXTURES WITH INTERIOR DESIGNER, OWNER, AND ARCHITECT.

			PLUMBING									
ITEM	SUPPLIER	DESCRIPTION	MANUFACTURER	MODEL	QTY	BTU	GAS CONN.	CW	HW	WASTE	VENT	NOTES
4	K	MOP SINK & FAUCET	EFI	SIMC2510S	1			1/2"	1/2"	3"	1-1/2"	C/W T&S TAP SET B-0665BSTR. PROVIDE BACK FLOW PREVENTOR AT MOP SINK COLD & HOT WATER LINE.
6	K	WORKTABLE - PREP SINK & FAUCET	EFI	TTUBR3072B	1			1/2"	1/2"	1-1/2"	1-1/2"	FAUCET TO BE T&S B-1110 4" DECK MT.
7	K	WALL MOUNTED HAND SINK & FAUCET	EFI	SIH8175/SIH FW	1			1/2"	1/2"	1-1/2"	1-1/2"	HAND SINK FULL SPLASH. FAUCET TO BE WALL MOUNTED.
8	O	BAG N BOX	CONFIRM WITH OWNER	CONFIRM WITH OWNER	LOT			1/2"				WATER REQUIRED TO CABONATOR C/W BACK FLOW PREVENTER. CONFIRM CABONATOR LOCATION PRIOR TO ROUGH IN.
10	K	ICE MACHINE & ICE BIN	EFI	IM350	1			1/2"		DRAIN TO HUB DRAIN		GC TO SUPPLY AND INSTALL WATTS BACKFLOW PREVENTER SERIES 919 REDUCED PRESSURE ZONE ASSEMBLIES FOR ICE MACHINE AS REQUIRED. MAINTAIN MINIMUM 1" AIR GAP.
11/12	K	POT SINK C/W FAUCET & SPRING PRE-RINSE FAUCET	CUSTOM	CUSTOM, REFER TO SHOP DWG	1			1/2"	1/2"	2X1-1/2"	1-1/2"	PRERINSE WALL MOUNTED FAUCET TO BE T&S RF0133-12-08 C/W HOOK/ADD A-FAUCET+FAUCET. CONFIRM FAUCET EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER.
14	K	WAREWASHER	CMA	L-1X	1			1/2"	3/4"	DRAIN TO GIZ.	1-1/2"	CONFIRM AND COORDINATE SERVICE SIZES ON SITE. PROVIDE TEMPERING VALVE WHERE DISCHARGE TEMPERATURE IS ABOVE 162°F. VALVE MODEL NO. TO BE DTV120-SV.
15	O	WASHER	CONFIRM WITH OWNER	CONFIRM WITH OWNER	1			1/2"	1/2"	LAUNDRY BOX(2"Ø)	1-1/2"	CONFIRM AND COORDINATE SERVICE SIZES ON SITE WITH KITCHEN EQUIPMENT SUPPLIER AND OWNER.
16	K	WALL MOUNTED HAND SINK & FAUCET	EFI	SIH8175/SIH FW	1			1/2"	1/2"	1-1/2"	1-1/2"	HAND SINK FULL SPLASH. FAUCET TO BE WALL MOUNTED.
21	K	WALK IN COOLER	1									MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL 3/4"Ø COPPER DRAIN LINE WITH MINIMUM 15" SLOPE FROM INTERIOR COIL TO MOP SINK. TRAP REQUIRED OUTSIDE OF BOX.
23	K	WALK IN FREEZER	1									MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL 3/4"Ø COPPER DRAIN LINE WITH MINIMUM 15" SLOPE FROM INTERIOR COIL TO MOP SINK. TRAP REQUIRED OUTSIDE OF BOX.
47	K	GRIDDLE HIGH HEAT	VULCAN	VCRG24T	3	50x3=150	3/4"					PROVIDE 3 FEET FLEX CONNECTION.
53	K	FRYER BANK	TO BE CONFIRMED	TO BE CONFIRMED	3	110x3 =390	3/4"					PROVIDE 3 FEET FLEX CONNECTION.
63	GC	FIRE SUPPRESSION SYSTEM	ANSUL	IN HOOD								REFER TO SHOP DRAWING FOR EXACT SPECIFICATION
70	K	MALT TABLE - HAND SINK & FAUCET	EFI	60"X30" TTUBR3060	1			1/2"	1/2"	1-1/2"	1-1/2"	FAUCET TO BE DELTA. CONFIRM EXACT SPECIFICATION WITH KITCHEN SUPPLIER/OWNER. DRAIN TO G1.
80	O	POP MACHINE	COKE	CONFIRM	1			1/2"		DRAIN TO HUB DRAIN		GC TO SUPPLY AND INSTALL APOLLO CARBONATED BEVERAGE BACKFLOW PREVENTER MODEL #CGBP-38 FOR POP MACHINE. MAINTAIN MINIMUM 1" AIR GAP.
LEGEND: K - KITCHEN EQUIPMENT SUPPLIER; O - OTHERS TO BE CONFIRMED WITH OWNER; GC - GENERAL CONTRACTOR. CONFIRM EXACT PLUMBING CONNECTION REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH IN. SEE CUT SHEET FOR INSTALLATION DETAILS.												

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM YYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS



ISSUE:	DATE
1. ISSUED FOR UNDERGROUND	23-06-1
2. ISSUED FOR BUILDING PERMIT	23-11-0

REVISION: DATE



PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
MECHANICAL  
SCHEDULES

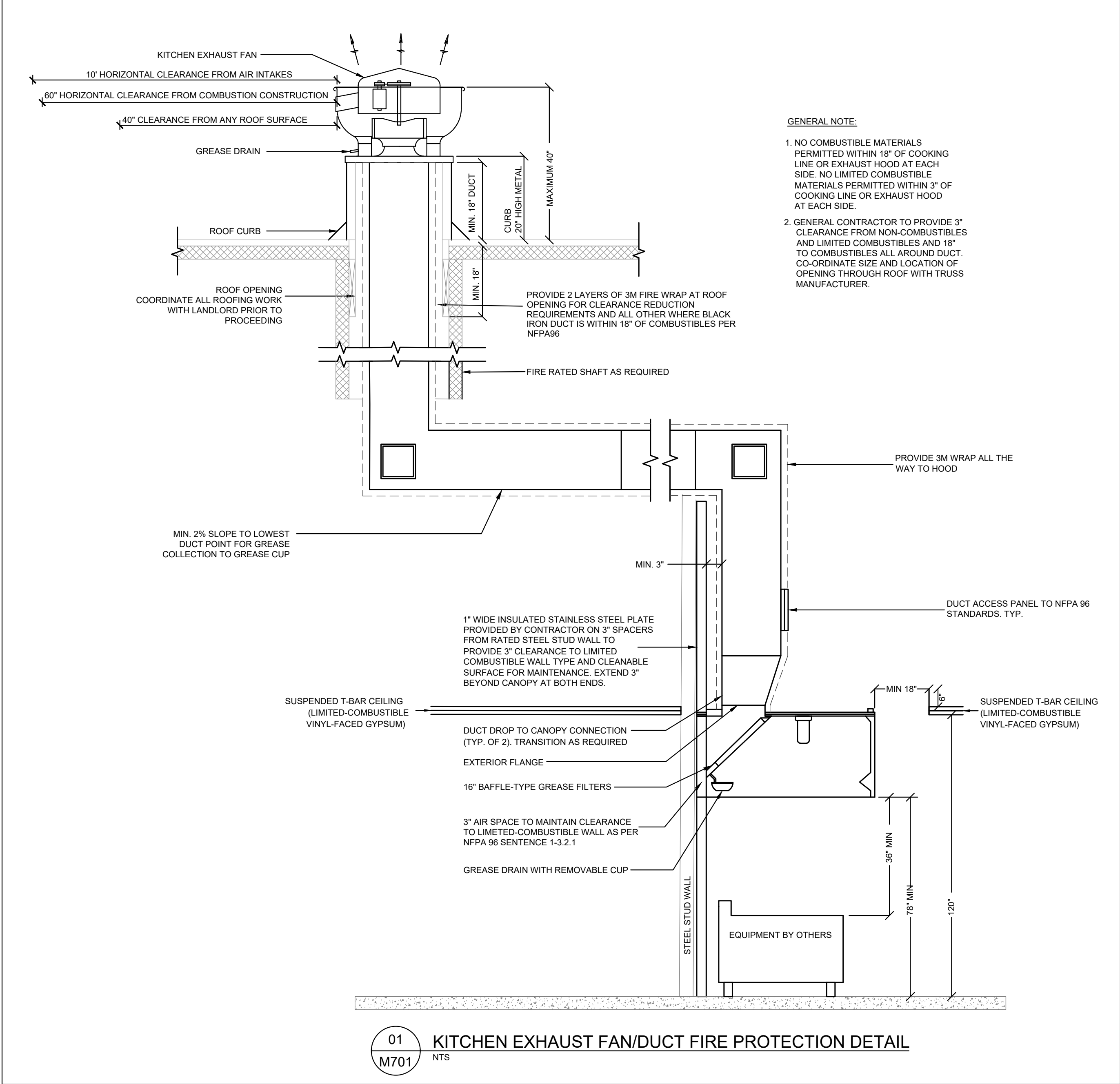
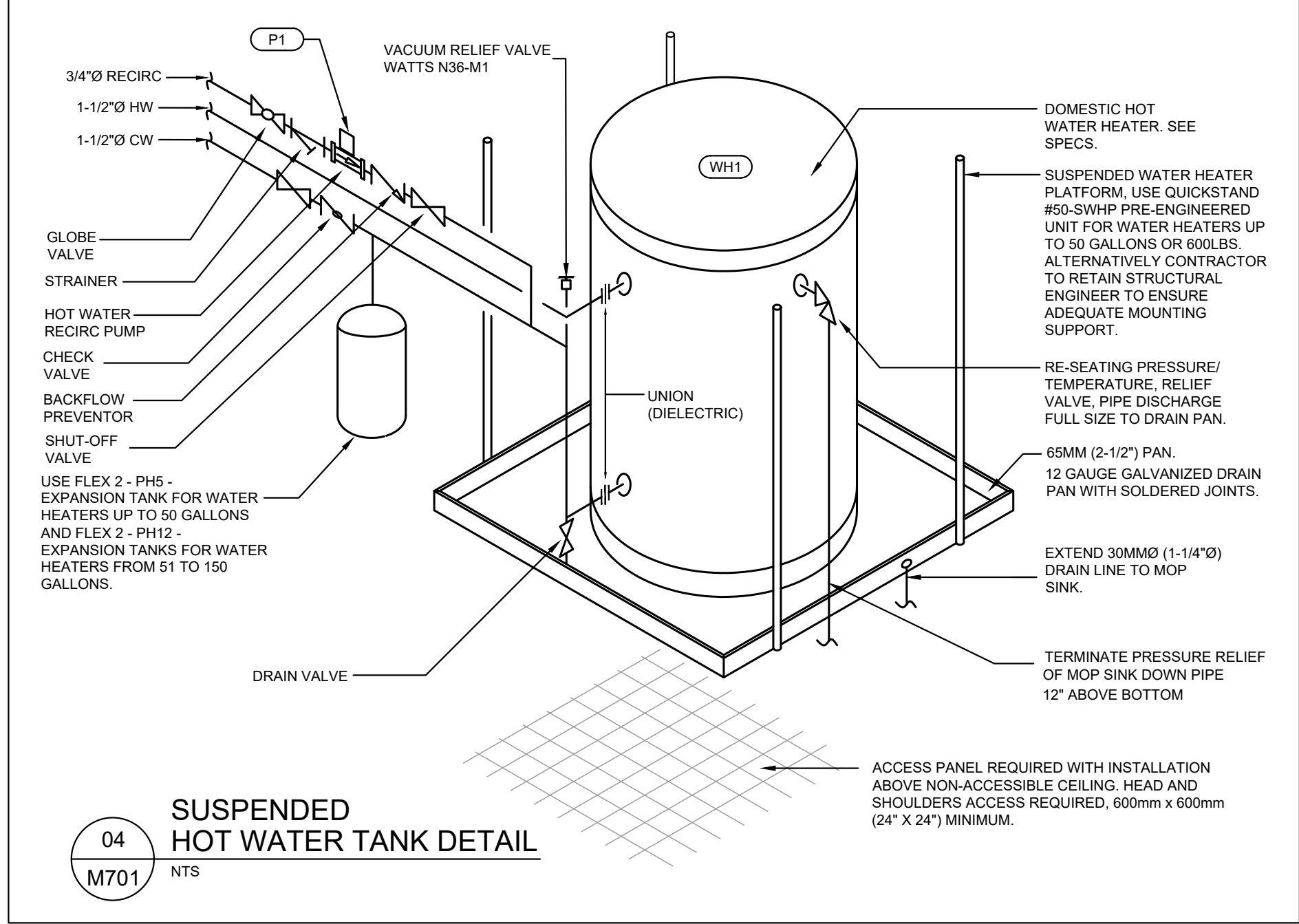
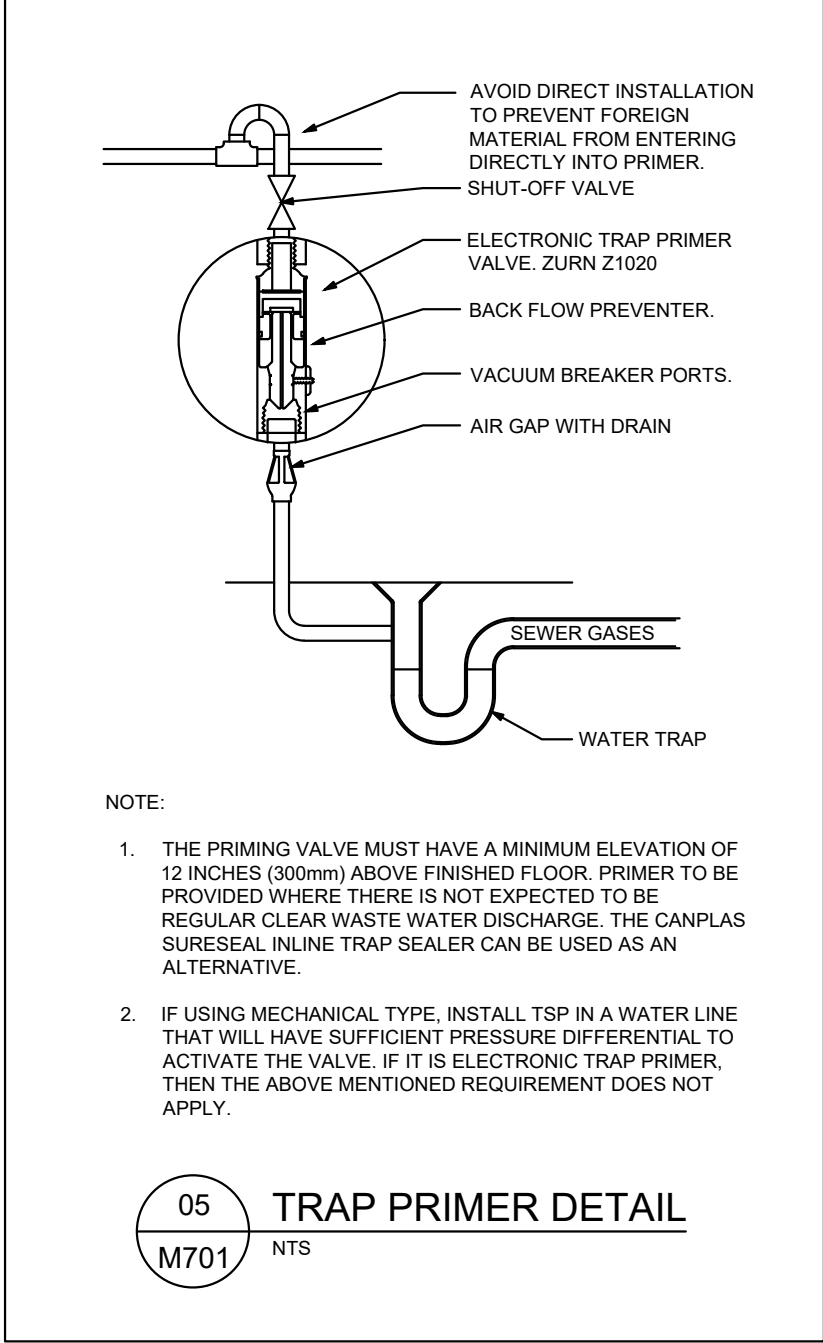
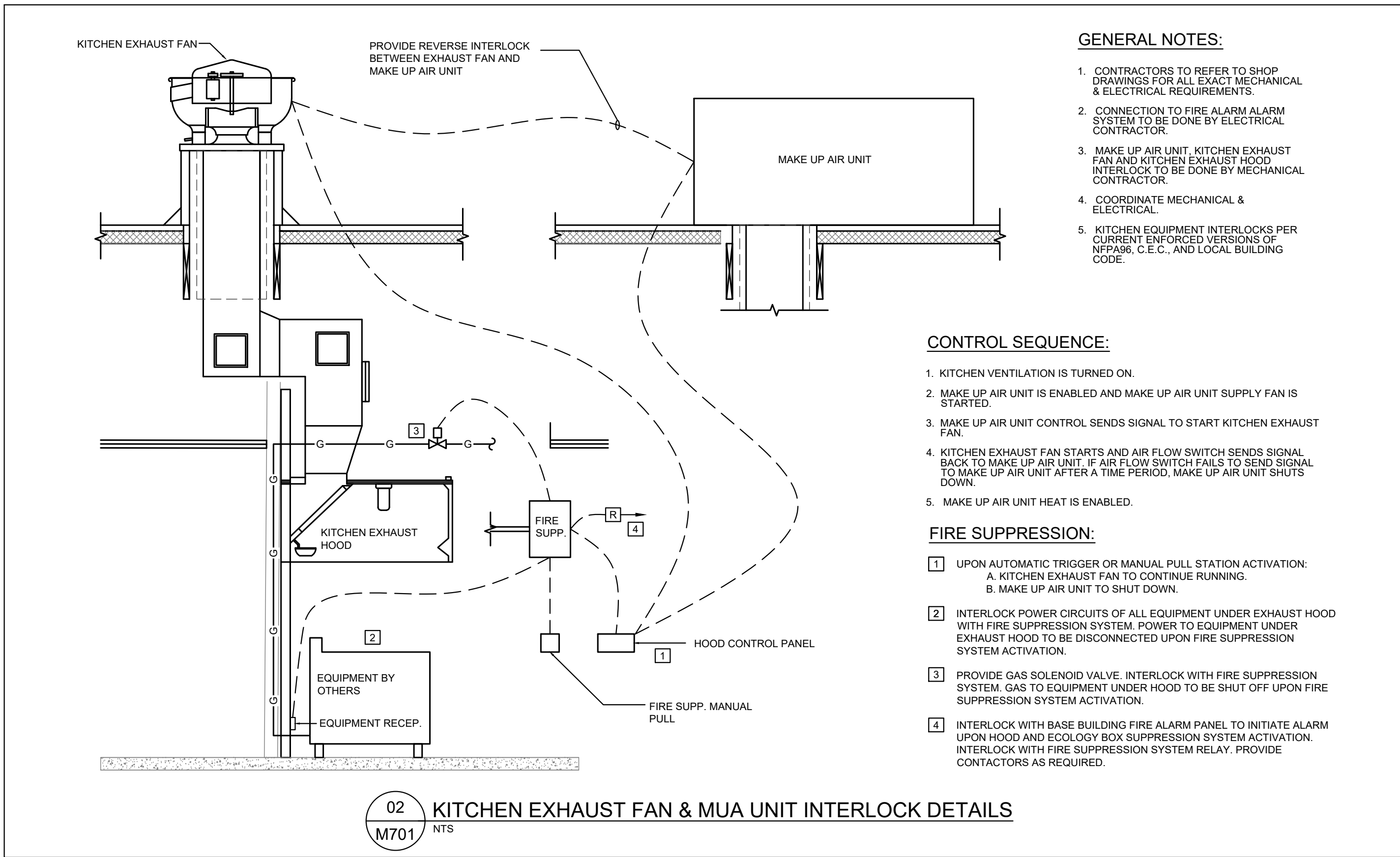
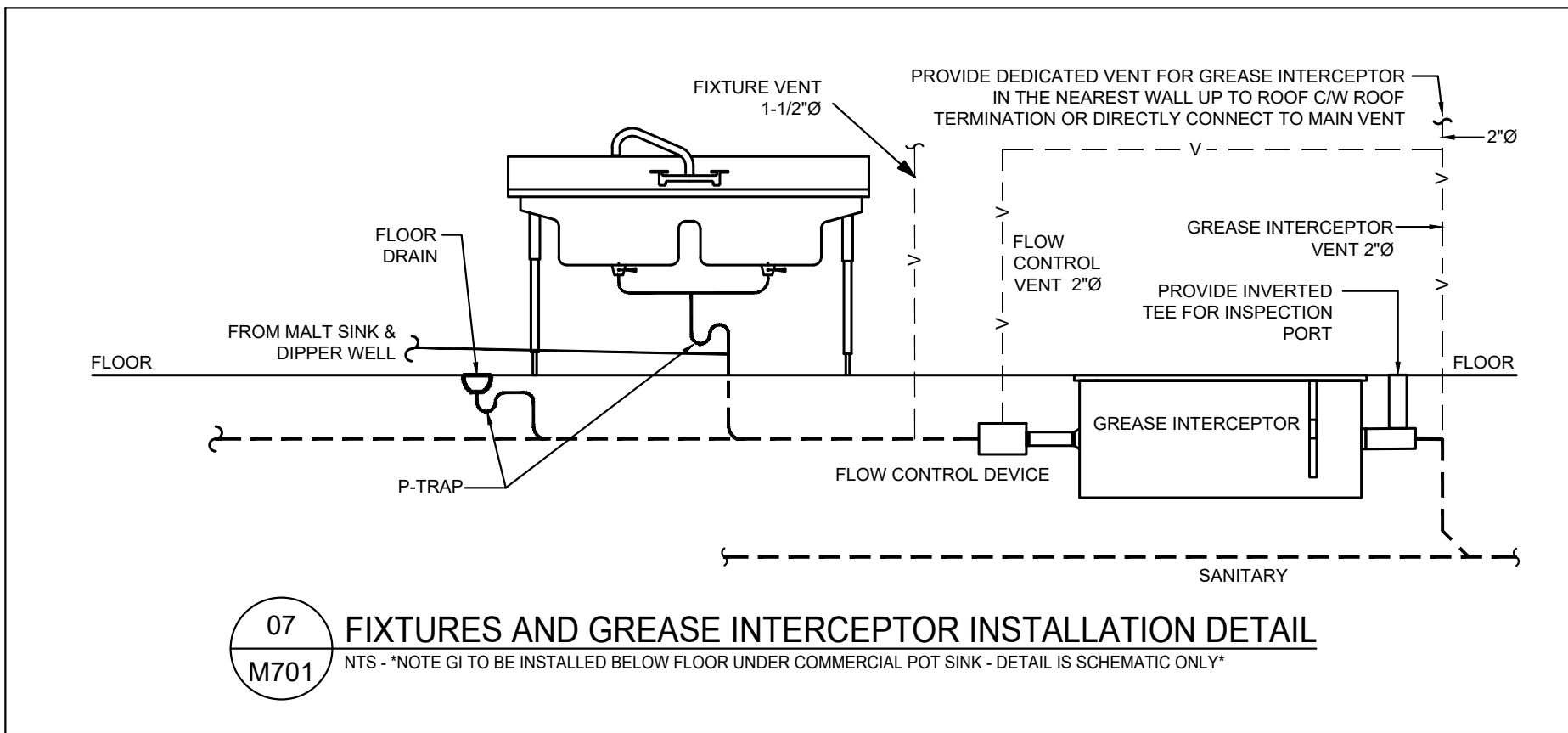
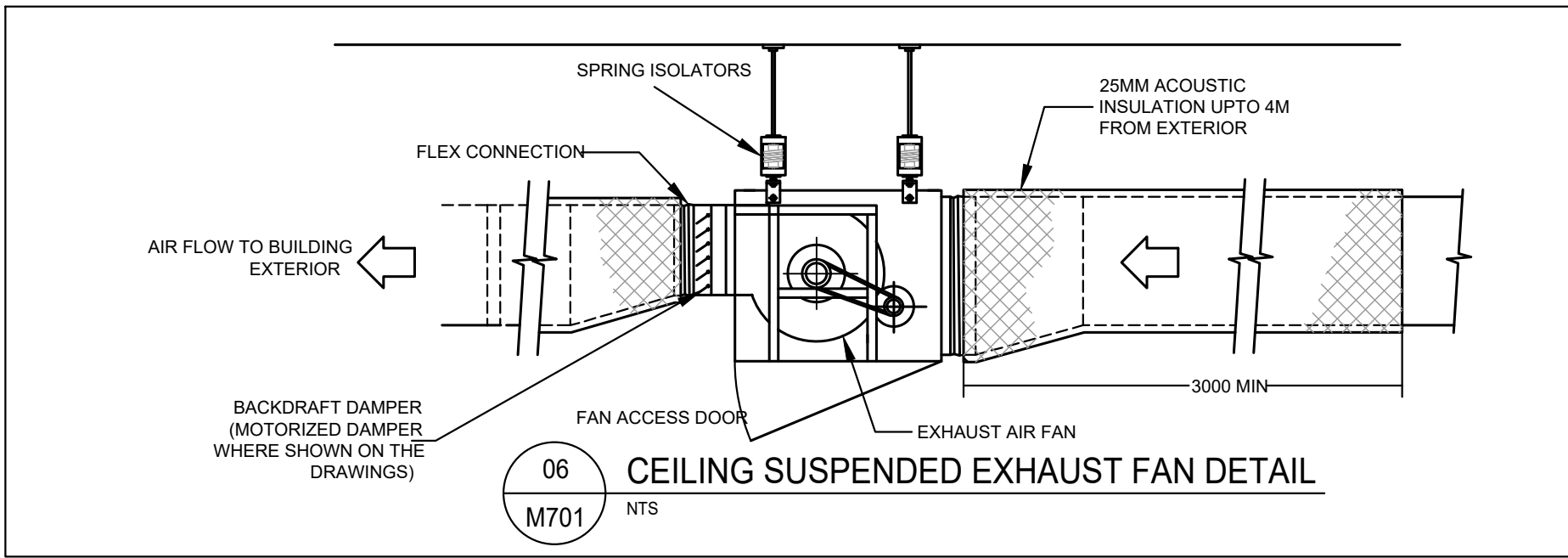
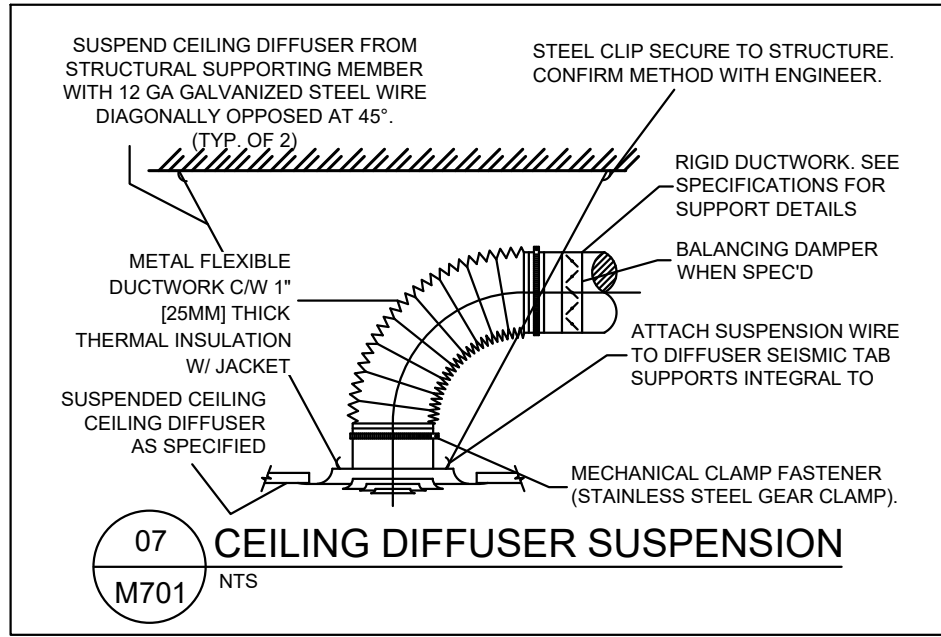
DATE JUNE 2023  
SCALE AS NOTED  
DRAWN BY CX / TT  
PROJECT NO. 22290

DRAWING NO. **M601**

INTERICS

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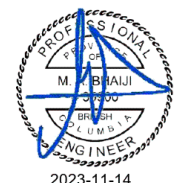




CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULING SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS TO BE READ IN CONJUNCTION WITH ACOUSTICAL REPORT PREPARED BY ACOUSTICAL CONSULTANT FOR THE OWNER. NO CHANGES WITHOUT WRITTEN CONSENT FROM NYC CYCLE.

ELECTRICAL / MECHANICAL ENGINEERS

**EMBE**  
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PERMIT # 1000420

ISSUE: DATE:  
1. ISSUED FOR UNDERGROUND 23-06-14  
2. ISSUED FOR BUILDING PERMIT 23-11-02

REVISION: DATE:



PROJECT TITLE  
**FATBURGER CHILLWACK**  
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE  
**MECHANICAL DETAILS**

DATE: JUNE 2023  
SCALE: AS NOTED  
DRAWN BY: CX / TT  
PROJECT NO.: 22290

DRAWING NO.: **M701**

**INTERICS**

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MECHANICAL SPECIFICATION

1. SITE CONDITIONS

1. BEFORE TENDERING:

1. EXAMINE SITE AND OBTAIN ALL CONDITIONS AFFECTING THE WORK OF THIS DIVISION.

2. OBTAIN ALL ADDENDA AND CLARIFICATIONS.

3. EXAMINE ALL DRAWINGS, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL AND REPORT ANY DISCREPANCIES AT ONCE AND IN TIME FOR VERIFICATION AND CORRECTION OF DRAWINGS AND SPECIFICATIONS.

2. SCOPE

1. PROVIDE ALL LABOUR, MATERIALS, EQUIPMENT, SERVICES TO COMPLETE THE WORK OF THE MECHANICAL DIVISION AS SPECIFIED HERE-IN AND AS SHOWN ON THE DRAWINGS.

2. COMMISSION ALL SYSTEMS, ADJUST AND BALANCE THE SYSTEMS TO MAKE FULLY OPERATIONAL PRIOR TO TURN OVER TO THE OWNER.

3. AT TURN OVER TO THE OWNER, DEMONSTRATE THE SYSTEMS AND THEIR OPERATION TO THE OWNERS OPERATING PERSONNEL. PROVIDE DETAILED INSTRUCTIONS COMPLETE WITH MANUALS, WRITTEN DESCRIPTIONS AND SEMINARS.

4. OBTAIN WRITTEN ACCEPTANCE FROM THE OWNER THAT THE OWNERS OPERATING PERSONNEL ARE FULLY CONVERSANT WITH ALL SYSTEMS.

3. INTENT OF THE DRAWINGS AND SPECIFICATIONS

1. INFORMATION REQUIRED IN LAYING OUT THE WORK SHALL BE OBTAINED BY REFERENCE TO ALL CONTRACT DOCUMENTS. CHANGES REQUIRED TO ACCOMMODATE ALL ASPECTS OF THE PROJECT SHALL NOT BE MADE WITHOUT PRIOR APPROVAL.

2. 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.

3. INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO PREVENT INTERFERENCE. WITH PRIOR APPROVAL LOCATIONS AND ROUTES OF SERVICES MAY BE CHANGED PROVIDING THE DESIGN CONDITIONS ARE NOT CHANGED AND NO EXTRA COST IS INVOLVED.

4. CONFIRMATION OF INSTALLATION

1. CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION TO THE DESIGN ENGINEER OF THE FOLLOWING:

A) THE DATE OF PROPOSED CONSTRUCTION START FOR INSTALLATION OF MECHANICAL SYSTEMS.

B) THE DATE OF UNDERGROUND PIPING COMPLETION PRIOR TO BACKFILLING. NOTIFY THE ENGINEER 48 HOURS PRIOR TO COMPLETION AND ARRANGE FOR A REVIEW OF THE INSTALLATION PRIOR TO COVERING.

C) THE DATE OF COMPLETION OF PLUMBING AND SHEET METAL ROUGH-IN. NOTIFY THE ENGINEER 48 HOURS PRIOR TO COMPLETION AND ARRANGE FOR A REVIEW OF THE INSTALLATION PRIOR TO COVERING.

D) THE DATE OF EQUIPMENT START-UP. NOTIFY THE ENGINEER 48 HOURS PRIOR TO START-UP DATE AND TIME.

E) THE DATE OF FINAL FINISHING. NOTIFY THE ENGINEER 48 HOURS PRIOR TO COMPLETION AND ARRANGE FOR A REVIEW OF THE INSTALLATION.

F) THE DATE OF TURN OVER TO THE OWNER.

5. CODES AND REGULATIONS

1. ALL WORK IS INTENDED TO COMPLY WITH THE LATEST APPLICABLE PROVINCIAL BUILDING REGULATIONS AND LOCAL CODES. SHOULD THE DOCUMENTS INDICATE 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.

6. PERMITS AND FEES

1. PROVIDE ALL NOTICES, OBTAIN THE NECESSARY PERMITS AND PAY ALL FEES WHICH ARE REQUIRED TO COMPLETE THE WORK SPECIFIED HEREIN.

2. FURNISH CERTIFICATES AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE CODES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION. ALL CHANGES REQUESTED BY THE AUTHORITY SHALL BE MADE AT NO EXTRA CHARGE.

7. CO-ORDINATION

3. OBTAIN CLARIFICATION FROM ENGINEER WHERE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS NOT CLEAR.

8. STANDARDS OF MATERIALS AND WORKMANSHIP

1. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UNIFORM AND OF FIRST CLASS QUALITY. THEY SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHALL CONFORM TO ALL APPLICABLE CODES, FIRE LAWS, REGULATIONS AND TO THE REQUIRED STANDARDS OF CSA, ASHRAE, ASME, NFPA, ASTM, CUA, CGA, ETC. WHERE THE LATEST EDITION SHALL APPLY. EQUIPMENT AND MATERIAL NOT OF THIS STANDARD SHALL BE REMOVED AND REPLACED.

9. SUBMITTAL OF SHOP DRAWINGS

1. SHOP DRAWINGS MUST BE SUBMITTED FOR ALL EQUIPMENT AND SYSTEMS TO BE INSTALLED.

2. SHOP DRAWINGS SHALL BE SUBMITTED IN NO LESS THAN SIX (6) COPIES.

10. GUARANTEE

1. GUARANTEE ALL LABOR, MATERIALS, EQUIPMENT ETC. INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF 12 MONTHS AFTER FINAL ACCEPTANCE OF THE COMPLETED CONTRACT.

2. EXTENDED WARRANTY AS PROVIDED BY SOME EQUIPMENT SUPPLIERS SHALL IN NO WAY BE VOIDED BY THIS CLAUSE.

11. FOREMANS SUPERVISION

1. ALL 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.

12. MAINTENANCE OF A CLEAN AND SAFE PROJECT

1. REMOVE ALL DEBRIS PERTAINING TO THIS PORTION OF THE CONTRACT, AT REGULAR INTERVALS TO MAINTAIN A CLEAN AND SAFE PROJECT.

2. ABIDE BY ALL PROVINCIAL AND FEDERAL SAFETY REGULATIONS.

13. RECORD DRAWINGS

1. PROVIDE THE OWNER WITH TWO (2) SETS OF RECORD DRAWINGS.

2. SHOW RECORD CONDITIONS WITH RESPECT TO MATERIALS, SIZES, ROUTES AND LOCATION. PLOT LOCATIONS OF ACCESS DOORS, VALVES, DAMPERS, ETC.

3. PLOT ACCURATELY ALL UNDERGROUND PIPING, DUCTWORK, ETC., SHOWING INVERT ELEVATIONS, CLEAN-OUTS, ETC.

4. PROVIDE SEPARATE BREAKOUT PRICE, IF AUTOCAD & PDF DRAWING ARE REQUIRED TO BE SUBMITTED TO OWNER, CONTRACTOR SHOULD ALLOW FOR \$750 DRAFTING COST PAYABLE TO THIS ENGINEER.

14. OPERATING AND MAINTENANCE MANUALS AND INSTRUCTIONS

1. PREPARE THREE (3) COMPLETE SETS OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR THE MECHANICAL EQUIPMENT AND SYSTEMS AND PRESENT FOR APPROVAL TO THE ARCHITECT AT LEAST TWO MONTHS PRIOR TO PROJECT COMPLETION.

2. ADVISE AND INSTRUCT THE OWNER OR HIS REPRESENTATIVE ON THE LOCATION, FUNCTION AND GENERAL MAINTENANCE AND OPERATION OF ALL EQUIPMENT PARTS INSTALLED.

15. SLEEVES, ESCUTCHEONS, FIRE PROOFING

1. SUPPLY AND INSTALL SLEEVES FOR ALL SERVICES PASSING THROUGH WALLS, FLOORS, PARTITIONS, CEILINGS, ETC. SLEEVES SHALL BE FABRICATED OF THE APPROPRIATE MATERIALS FOR THE CONSTRUCTION PENETRATED TO OBTAIN PROPER SEALS, FIRE RATINGS, ETC.

2. SLEEVES SHALL BE SIZED APPROPRIATELY TO OBTAIN THE REQUIRED ANNULAR SPACE FOR THE INSTALLATION OF SEALS, FIRE STOPPING MATERIALS, ETC.

3. IN FINISHED AREAS INSTALL ESCUTCHEON PLATES TO CONCEAL THE SLEEVE SEALING MATERIALS.

4. WHERE SLEEVES OR OPENINGS ARE INSTALLED IN WALLS, FLOORS, ROOF OR PARTITIONS TO ACCOMMODATE PIPES OR DUCTS, PROVIDE ALL NECESSARY SEALS, FITTINGS, BARRIERS AND FIRE-RESISTANT MATERIALS TO RESTORE THE INSTALLATION TO ITS ORIGINAL FIRE RATING TO THE SATISFACTION OF THE GOVERNING AUTHORITIES. SUBMIT SHOP DRAWINGS OF ALL PROPOSED MATERIALS TO BE USED INDICATING APPROPRIATE F AND FT RATINGS.

5. SUPPLY AND INSTALL FIRE STOPPING MATERIALS OF THE PROPER F AND FT RATING. PROVIDE SHOP DRAWINGS INDICATING THE METHOD OF INSTALLATION AND SYSTEM TO BE USED FOR EACH SPECIFIC APPLICATION. ALL MATERIALS SHALL BE OF THE SAME APPROVED MANUFACTURER.

16. SYSTEM ACCEPTANCE AND TURN OVER PROCEDURES

1. PROVIDE WRITTEN CONFIRMATION TO THE ENGINEERS AND THE OWNER TWO WEEKS PRIOR TO THE DATE WHEN SYSTEMS WILL BE COMPLETE AND READY FOR TURN OVER.

2. ALL SYSTEMS AND EQUIPMENT SHALL BE OPERATIONAL, BALANCED, AND IN GOOD WORKING CONDITION

17. ELECTRIC MOTORS

1. ELECTRIC MOTORS FOR ALL DRIVEN EQUIPMENT SUPPLIED BY THIS DIVISION SHALL BE PROVIDED AND INSTALLED BY THIS DIVISION.

18. NAMEPLATES, VALVE TAGS, PIPE AND DUCTWORK IDENTIFICATION

1. EACH PIECE OF MECHANICAL EQUIPMENT SHALL BE COMPLETE WITH A LAMICOID NAMEPLATE SECURELY FASTENED IN A CONSPICUOUS PLACE ON THE EQUIPMENT.

19. PIPING HANGERS AND SUPPORTS

1. INSTALL ALL PIPING AND EQUIPMENT USING APPROVED HANGERS AND SUPPORTS REQUIRED FOR A SAFE AND TRADEMANLIKE INSTALLATION.

2. SUSPENDED PIPING SHALL BE SUPPORTED BY ADJUSTABLE ROD HANGERS SIZED AS FOLLOWS:

PIPE SIZE	HANGER ROD DIAMETER
2 (50MM) AND UNDER	3/8 (9MM)
2-1/2 (65MM) AND 3 (75MM)	1/2 (12MM)
4 (100MM) AND 5 (125MM)	5/8 (16MM)
6 (150MM)	3/4 (19MM)
6 (200MM) TO 12 (300MM)	7/8 (22MM)

3. HANGER SPACING FOR PLUMBING AND DRAINAGE SERVICES SHALL COMPLY WITH THE PLUMBING CODE.

4. HANGER SPACING FOR FIRE PROTECTION SERVICES SHALL COMPLY WITH THE N.F.P.A. CODES.

5. HANGER SPACING FOR OTHER SERVICES SHALL BE AS FOLLOWS:

NOMINAL PIPE DIAMETER	MAXIMUM SPAN
UP TO AND INCLUDING 1 (25MM)	7-0 (21M)
1-1/3 (32MM) TO 5 (125MM)	10-0 (3.0M)
6 (150MM) AND LARGER	15-0 (4.6M)

IN ADDITION, PROVIDE A HANGER WITHIN 2-0 (600MM) ON EACH SIDE OF A VALVE, ELBOW OR TEEL.

20. THERMOMETERS

1. THERMOMETERS IN PIPING SYSTEMS SHALL BE ADJUSTABLE ANGLE TYPE COMPLETE WITH:  
\* DUST-TIGHT METAL CASE WITH 225MM CLEAR.  
\* RED READING ORGANIC LIQUID FILLED TUBE.  
\* WHITE FACE WITH BLACK LETTERING, CLEAR LENS.  
\* RANGE NORMALLY 32TO 240OF (00 TO 1150C) FOR HOT WATER AND 00 TO 120OF (-17 TO 49C) FOR CHILLED WATER.  
\* TEMPERATURE MARKING IN 2OF (10C) INCREMENTS, IN BOTH IMPERIAL AND METRIC SCALES.

2. PROVIDE THERMOMETERS IN THE FOLLOWING LOCATIONS IN PIPELINES:  
\* EACH HOT OR COLD WATER STORAGE TANK.  
\* AND WHERE SPECIFICALLY SHOWN.

21. TESTING AND BALANCING, AIR

1. AIR  
1. BALANCE THE COMPLETE AIR SYSTEM INCLUDING AIR VOLUMES AND CONTROL SETTINGS UNDER MAXIMUM SYSTEM PRESSURE DROP CONDITIONS (FILTER AT REPLACEMENT CONDITION). THE ENTIRE SYSTEM SHALL BE TESTED FOR NOISE, TIGHTNESS OF JOINTS AND PROPER FUNCTIONING OF THE SYSTEM. NOISE TESTS SHALL BE MADE UNDER MINIMUM SYSTEM PRESSURE DROP CONDITIONS (HIGHEST AIR VELOCITIES AND CLEAN FILTER CONDITIONS). THIS SECTION SHALL MAKE ALL NECESSARY ALTERATIONS AND REPEAT THE TESTS UNTIL SATISFACTORY OPERATION IS ACHIEVED. A REPORT WILL BE ISSUED.

22. PIPES AND FITTINGS

1. DOMESTIC WATER

1. INTERIOR ABOVE GRADE

1. TYPE L HARD COPPER WITH WROUGHT COPPER, BRONZE OR CAST BRONZE FITTINGS. SOLDERED JOINTS TO BE WITH 95/5 TIN/ANTIMONY SOLDER. ALL MAINS, HORIZONTAL AND VERTICAL RISERS, SHALL BE INSTALLED USING COPPER PIPING.

2. SANITARY VENT AND STORM

1. PLASTIC PIPING MAY BE USED UNDERSLAB ONCE PRIOR APPROVAL IS OBTAINED FROM LOCAL AUTHORITIES AND ENGINEER.

2. INTERIOR ABOVE GRADE

1. MEDIUM WEIGHT CAST IRON OR DWV COPPER. JOINTS, MECHANICAL, CAULKED, CAST BRONZE WITH 50/50 LEAD/TIN SOLDER.

3. INTERIOR BURIED

1. MEDIUM WEIGHT CAST IRON WITH MECHANICAL JOINT OR ABS PLASTIC PIPING WITH SOLVENT FITTINGS.

3. SPRINKLER SYSTEM

1. REFER TO BASEBUILDING/LANDLORD REQUIREMENTS FOR FIRE PROTECTION.

2. MODIFY EXISTING SPRINKLER LAYOUT TO SUIT TENANT LAYOUT IF NECESSARY.

4. NATURAL GAS PIPING

1. SCHEDULE 40 CONTINUOUS WELD FITTINGS MALLEABLE IRON FOR 50MM AND UNDER OVER 65MM WELDED FITTINGS. ALL PIPE AND FITTINGS IN CONCEALED AREAS TO BE WELDED. ALL OUTSIDE PIPING SHALL BE TAPED AND PAINTED. TAPE ALL JOINTS AND FITTINGS.

2. PROVIDE 3FT FLEX CONNECTION AT GAS KITCHEN APPLIANCES TO ALLOW FOR SERVICING.

5. FILTERED WATER SYSTEM

1. OPAQUE PVC PEX PIPING FOR FILTERED WATER SYSTEM.

23. PIPING INSTALLATION

1. KEEP OPEN ENDS OF PIPE FREE FROM SCALE AND DIRT.

2. GRADE PIPING IN ORDER THAT AIR MAY BE ELIMINATED WHEN SYSTEMS ARE FILLED.

3. ENSURE NO CONTACT BETWEEN COPPER AND FERROUS METAL.

4. PROVIDE DIELECTRIC INSULATING COUPLINGS WHERE PIPE OF DISSIMILAR METALS ARE JOINTED.

5. SLOPE ALL PIPING TO A LOW POINT FOR DRAINING.

6. SUPPORT PIPING WITH ADJUSTABLE RING OR CLEVIS HANGERS AND RODS. PERFORATED BAND IRON, WIRE, OR CHAIN NOT ALLOWED. PIPING RUNNING ABOVE ROOF TO BE MOUNTED ON UNISTRUT PIPE PIER SUPPORT SYSTEM.

7. ALL UNDERGROUND PIPES SHALL BE SUSPENDED FROM CONCRETE FLOOR (STRUCTURALLY SUPPORTED) IN ORDER TO PREVENT ANY SETTLEMENT PROBLEM. OTHERWISE, ALL THE UNDERGROUND SERVICE PIPES SHOULD BE PLACED ON THE FIRM GROUND. ANY WET, SOFT SOIL AND ORGANIC SOIL EXISTING BELOW THE PIPES, MUST BE OVER-EXCAVATED AND REPLACED WITH WELL COMPACTED PIT-RUN GRAVEL. THE SUBGRADE SOIL AND BEDDING SOIL, BENEATH THE PIPES SHOULD NOT BE ALLOWED TO BE FROZEN. ALL THE FILL AND BACKFILL MATERIAL IN THE TRENCH SHOULD BE FREE OF ORGANIC AND FROZEN SOIL. ALL THE MATERIAL FOR FILLING AND BACKFILLING PURPOSES MUST BE PLACED IN 150MM LIFTS AND COMPACTED TO 88% OF STANDARD PROCTOR MAXIMUM DRY DENSITY. CO-ORDINATE WITH GENERAL CONTRACTOR TO CONFIRM SOIL CONDITIONS.

8. PAINT ALL PIPING EXPOSED OUTSIDE TO PREVENT CORROSION.

24. VALVE TYPES

1. VALVES FOR THROTTLING SERVICE SHALL BE GLOBE TYPE. SHUT-OFF AND ISOLATING VALVES SHALL BE GATE TYPE. ALL SUITABLE FOR SYSTEM WORKING PRESSURE.

2. DOMESTIC HOT WATER SYSTEM RELIEF VALVES TO BE ALL BRASS, TEMPERATURE AND PRESSURE RATED.

3. WATER SYSTEMS (HOT/COLD DOMESTIC WATER)

1. USE FULL PORT BALL VALVES WITH THREADED/FLANGED ENDS FOR ISOLATION/SHUTOFF. PROVIDE STEM EXTENSIONS, AS NECESSARY TO ACCOMMODATE PIPING INSULATION. OPERATING PRESSURE SHALL NOT EXCEED 80% OF THE VALVE PRESSURE CLASS. PROVIDE MANUAL GEAR OPERATORS FOR VALVES 6" AND LARGER.

25. VALVE LOCATIONS

1. PROVIDE VALVES AS OUTLINED BELOW AND AS SHOWN ON DRAWINGS:

1. AT BASE OF ALL PIPING RISERS CONTAINING WATER.

2. AT INLET AND OUTLET OF ALL APPARATUS.

3. AT ALL BRANCH TAKE-OFFS.

4. ONE SHUT-OFF AND ONE BALANCING VALVE FOR ALL HEAT TRANSFER EQUIPMENT.

5. UPSTREAM OF UNIONS OR FLANGES AT EACH PIECE OF EQUIPMENT.

6. AT WATER SUPPLIED TO ALL FIXTURES.

7. DRAIN VALVES WITH HOSE CONNECTIONS AT ALL LOW POINTS FOR COMPLETE DRAINING OF SYSTEMS.

8. DOMESTIC AND HOT WATER ISOLATION VALVES TO EACH DWELLING UNIT.

26. THERMAL INSULATION

1. SUPPLY AND INSTALL INSULATION FOR MECHANICAL SYSTEMS AS SPECIFIED HERE-IN. BOTH CONCEALED AND EXPOSED PIPING SHALL BE INSULATED.

2. INSTALL ALL INSULATION IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. USE APPROPRIATE SADDLES TO PREVENT DISTORTION TO INSULATING MATERIALS AND JACKET COVERINGS.

3. INSULATE AS FOLLOWS:

SERVICE	THICKNESS	INSULATION TYPE
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1. DOMESTIC COLD & HOT WATER (SUPPLY & RECIRCULATION) (CONCEALED & EXPOSED)  
25MM  
FIBERGLASS MOULDED HEAVY JACKET SEAL ALL EXPOSED PIPE INSULATION WITH ASJ SEAL ALL EXPOSED ENDS WITH VAPOUR BARRIER MASTIC.

2. EXHAUST AIR DUCTWORK  
25MM  
FLEXIBLE RIGID FIBERGLASS FOIL FACED DUCT INSULATION FOR 4 METERS BACK FROM EXTERIOR WALL.

3. AIR CONDITION SUPPLY DUCT (MUA DUCT)  
25MM  
FLEXIBLE FIBERGLASS FOIL FACED DUCT INSULATION.

4. CAST IRON DRAINAGE (SOUND)  
50MM  
HEAVY DENSITY PIPE INSULATION COMPLETE WITH ASJ JACKET.

5. PIPE FITTINGS AND VALVES SHALL BE INSULATED USING PRE-FORMED FIBREGLASS FITTINGS, FINISHED WITH PRE-FORMED PVC COVERS. FLANGES, VALVE BONNETS, AND COUPLINGS SHALL BE INSULATED WITH OVER SIZED PIPE INSULATION AND FINISHED AS REQUIRED.

6. GREASE EXHAUST DUCT - WHERE PENETRATION IS THROUGH COMBUSTIBLE CONSTRUCTION CONTRACTOR TO ALLOW FOR CLEARANCE REDUCTION METHOD - 3M FIREWRAP, INSULATED METAL BOARD OR EQUAL PER NFPA 96.

27. FLOOR DRAINS & TRENCH DRAINS

1. FINISHED AREAS WATTS DRAINAGE FC-100-C-6 EPOXY COATED CAST IRON BODY AND REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEP HOLES. 15MM (1/2 INCH) THICK POLISHED NICKEL BRONZE STRAINER, NICKEL BRONZE TAMPER RESISTANT SCREWS.

2. SERVICE AREAS WATTS DRAINAGE FD-320 EPOXY COATED CAST IRON BODY WITH ANCHOR FLANGE, WEEP HOLES AND ADJUSTABLE COLLAR WITH HEAVY DUTY GRATE, UNSECURED 200MM (8 INCH) ROUND CAST IRON STRAINER.

3. FUNNEL FLOOR DRAIN WATTS DRAINAGE FD-320-C EPOXY COATED CAST IRON BODY WITH ANCHOR FLANGE, WEEP HOLES AND ADJUSTABLE COLLAR WITH HEAVY DUTY GRATE, UNSECURED 200MM (8 INCH) DIAMETER DUCTILE IRON TRACTOR GRATE. COMPLETE WITH 100X225 (4X9) OVAL CAST IRON FUNNEL.

28. BACKWATER VALVES

1. PROVIDE BACKWATER VALVES WHERE THERE IS A POSSIBILITY OF SEWAGE BACKUP, WHERE REQUIRED BY CODE OR WHERE SHOWN ON THE DRAWINGS.

29. BACKFLOW PREVENTORS

1. BACKFLOW PREVENTION DEVICES, AS APPROVED BY THE GOVERNING BODY, ARE TO BE INSTALLED IN POTABLE WATER LINES IN ACCORDANCE WITH THE PLUMBING CODE.

30. CLEANOUTS

1. CLEANOUTS TO BE THE FOLLOWING TYPE:

1. CONCRETE FLOORS: - ANCON CO-200-RX-4

2. FINISHED FLOORS: - ANCON CO-200-T-1

3. CERAMIC OR TERRAZZO FLOORS: ANCON CO-200-US-1.

4. CARPETED FLOORS: - ANCON CO-200-RC-1.

5. RISERS: ANCON CO-460-S COMPLETE WITH ACCESS COVER.

31. PLUMBING FIXTURES

1. ALL FIXTURES SHALL BE FREE FROM FLAWS OR BLEMISHES AND SUBJECT TO THE APPROVAL. ALL FINISHED SURFACES SHALL BE CLEAR, SMOOTH AND BRIGHT AND GUARANTEED NOT TO CRAZE, COLOR OR SCALE.

2. FIXTURE SUPPORT MUST BE SUCH THAT THEY WILL NOT COME LOOSE WITH ORDINARY USAGE AND THAT ANCHORING WILL BE RIGID. REINFORCE WALL BEHIND FIXTURES IF REQUIRED FOR PROPER SUPPORT.

3. REFER TO FIXTURES SCHEDULE ON DRAWINGS.

4. WHEELCHAIR ACCESSIBLE LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE COVERED WITH THE MOLDED, ANTI-MICROBIAL TRUEBERO, INC. LAVATORY GUARD. UNDER-SINK PROTECTIVE PIPE COVER ACCESSORY, COLOUR WHITE. COVER SHALL BE SECURED WITH SNAP CLIP FLUSH, RE-USEABLE FASTENERS, ANGLE STOP BALL HAVE LOCK-LID LOCKING ACCESS COVERS.

32. AIR CHAMBERS

1. PROVIDE AIR CHAMBERS ON THE HOT AND COLD SUPPLY LINES OF EACH FIXTURE OR GROUP OF FIXTURES.

2. AIR CHAMBERS SHALL BE 450MM LONG AND TWO PIPE SIZES LARGER THAN THE PIPING AT THE POINT OF INSTALLATION.

33. FIRE EXTINGUISHERS

1. SUPPLY AND INSTALL FIRE EXTINGUISHERS WHERE SHOWN ON THE DRAWINGS OR AS PER REQUIRED BY NFPA-10. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA-10, PORTABLE FIRE EXTINGUISHERS.

2. DRY CHEMICAL FIRE EXTINGUISHERS TO BE THE AMMONIUM PHOSPHATE TYPE, UL APPROVED, CLASS ABC, SIZE TO BE 2.27 KG.

3. FIRE EXTINGUISHERS LOCATED IN PUBLIC AREAS, CORRIDORS, ETC., TO BE COMPLETE WITH CABINETS CONFORMING TO N.F.P.A. NO. 10, NATIONAL FIRE EQUIPMENT MODEL CE-950-1 SEMI RECESSED TYPE.

4. DRY CHEMICAL FIRE EXTINGUISHERS TO BE THE SODIUM BICARBONATE TYPE, UL APPROVED CLASS 40 BC, SIZE TO BE 4.8 KG. - COMMERCIAL KITCHENS.

34. DUCTWORK

1. MATERIAL

1. USE GALVANIZED SHEET STEEL WITH G 60 COATING TO ASTM 525, UNLESS OTHERWISE SPECIFIED.

2. JOINT SEALER COMPOUND SHALL BE MINNESOTA MINING AND MANUFACTURING OR OTHER APPROVED MANUFACTURER. DUCT TAPE SHALL BE DURO-DYNE OR OTHER APPROVED MANUFACTURER.

3. FLEXIBLE HOSE SHALL BE FLEXMASTER, WIRE REINFORCED FABRIC FLEX, NON-COMBUSTIBLE, MAXIMUM LENGTH 3.0M.

4. ACCESS PORTS SHALL BE LAWSON-TAYLOR, 32MM DIAMETER.

5. FLEXIBLE CONNECTIONS SHALL BE VENTFABRICS, DURO DYNE OR DYNE-AIR. SUBMIT FLEXIBLE CONNECTIONS FOR REVIEW BEFORE INSTALLATION.

6. FIRE DAMPERS SHALL BE UNDERWRITERS LABORATORIES LABELED. FIRE DAMPERS IN SUPPLY AIR DUCTS SHALL HAVE THE BLADES CLEAR OF THE AIR STREAM. FIRE-STOP FLAPS SHALL BE AS SHOWN IN THE UNDERWRITERS LABORATORIES LIST FOR THE SPECIFIC CEILING ASSEMBLY USED. SUBMIT SHOP DRAWINGS FOR ALL DAMPERS AND FIRE STOP FLAPS TO BE INSTALLED.

7. ACOUSTIC INSULATION SHALL BE (1 INCH) 25MM THICK RIGID COATED GLASS O FIBRE. FIBREGLASS INSULATION WITH K VALUE AT 24 DEG C OF 0.035 WM DEG C COATED TO PREVENT FIBRE EROSION AT VELOCITIES UP TO 20M/S 24KG/M3, MINIMUM. WHERE INDICATED ON DRAWINGS USE 50MM (2 INCH) THICK INSULATION.

8. BALANCING OR SPLITTER DAMPERS SHALL BE RATTLE FREE AND LEAK RESISTANT. BEARING RODS SHALL BE SIZED TO SUIT THE DAMPER SIZE. NEOPRENE SEALS SHALL BE USED TO MINIMIZE LEAKS.

2. INSTALLATION

1. INSTALL DUCTS IN LOCATIONS, SHAPES AND SIZES SHOWN. LAYOUT DUCTWORK IN ADVANCE TO ASSURE THAT IT WILL FIT IN THE SPACE PROVIDED.

2. CONSTRUCT LOW PRESSURE RECTANGULAR DUCTS FOR SYSTEMS LESS THAN 2 (0.5 KPA) STATIC PRESSURE AND UNDER 2000 FPM (10.2 M/S) VELOCITY. LOGICIONAL JOINTS SHALL BE PITTSBURGH LOCK SEAM AT EDGE OF DUCT AND GROOVED SEAM ON FACE OF DUCT.

3. SEAL ALL JOINTS OF DUCTS OVER 0.25 KPA. ALL SUPPLY DUCTWORK UP TO VARIABLE VOLUME BOXES AND ALL WASHROOM EXHAUST DUCTWORK. BRUSH JOINTS WITH THE COMPOUND BEFORE AND AGAIN AFTER ASSEMBLY.

4. WHERE DUCTWORK PASSES THROUGH A WALL OR FLOOR, OTHER THAN WHEN A FIRE DAMPER IS REQUIRED, PACK AROUND THE DUCT USING A FIRE RESISTANT MATERIAL TO ENSURE A SOUND AND AIRTIGHT JOINT.

5. MAKE CHANGES OF DIRECTION OF HORIZONTAL DUCTS WITH ELBOWS HAVING AN INSIDE RADIUS NOT LESS THAN THREE QUARTERS OF THE WIDTH OF THE DUCT. MAKE CHANGES OF DIRECTION FROM HORIZONTAL TO VERTICAL DUCT WITH ELBOWS HAVING AN INSIDE RADIUS EQUAL TO THE DEPTH OF THE DUCT WHERE THIS IS NOT POSSIBLE DUE TO THE BUILDING CONSTRUCTION, USE TURNING VANES.

6. INSTALL ACCESS PORTS AT CONVENIENT LOCATIONS IN ALL MAIN DUCTS AND MAIN BRANCH TAKE-OFFS WITH AIRTIGHT COVERS AND EXTENSION SLEEVES THROUGH INSULATION TO ALLOW AIR METER READINGS.

7. INSTALL FLEXIBLE CONNECTIONS AT EACH AIR HANDLING UNIT AND FAN DUCT CONNECTION.

8. INSTALL MANUAL DUCT DAMPERS BALANCING WHERE SHOWN ON THE DRAWINGS. FABRICATE DAMPERS OF GALVANIZED STEEL, 18 US GAUGE OR HEAVIER.

9. WHERE DUCT IS ACoustically LINED, DUCT DIMENSIONS SHOWN ARE NET, INSIDE OF LINING. INSTALL ACOUSTIC INSULATION INTERNALLY TO DUCTWORK WHERE SHOWN. MINUM REQUIREMENT IS 3.0M EXTENDING FROM ANY SUPPLY FAN, AND TO ANY RETURN/EXHAUST FAN AND WHERE ELSE AS SHOWN ON THE LAYOUT DRAWINGS.

3. INSTALL AND MANUFACTURE DUCTWORK IN ACCORDANCE WITH SMACNA