



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

ARCHTECTURAL

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A.6.1 INTERIOR ELEVATIONS
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MECHANICAL

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M.501 ROOF PLAN - MECHANICAL
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ELECTRICAL

E.100 ELECTRICAL COVER PAGE
E.101 FLOOR PLAN LIGHTING
E.201 FLOOR PLAN - POWER AND AUXILIARY
E.301 ROOF PLAN - ELECTRICAL
E.401 ELECTRICAL SCHEDULES AND DETAILS
E.502 ELECTRICAL SCHEDULES AND DETAILS
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STRUCTURAL DRAWING LIST

KITCHEN
K-1 EQUIPMENT PLAN
K-2 EQUIPMENT SCHEDULES

PROJECT TEAM

INTERIOR DESIGN

INTERICS DESIGN INC.
5011 CENTRE STREET N.W.
CALGARY, AB T2K 0S9
C. RUSS MAIER
P. 403-265-2252 ext.104
E. RUSS@INTERICS.CA

ARCHITECT

J.P. SAUTER ARCHITECT
BOX 61075, KENSINGTON P.O.,
CALGARY, T2N 4S6
C. JAMES SWANSON
P. 403-265-2277
E. JPSAUTER@SHAW.CA

KITCHEN CONSULTANT

BARGREEN ELLINGSON
1040 PARKE STREET
VANCOUVER, BC, V6A 4B9
C. JIM SWANSON
P. (778) 452-2430
E. JSWANSON@BARGREEN.COM

MECHANICAL & ELECTRICAL

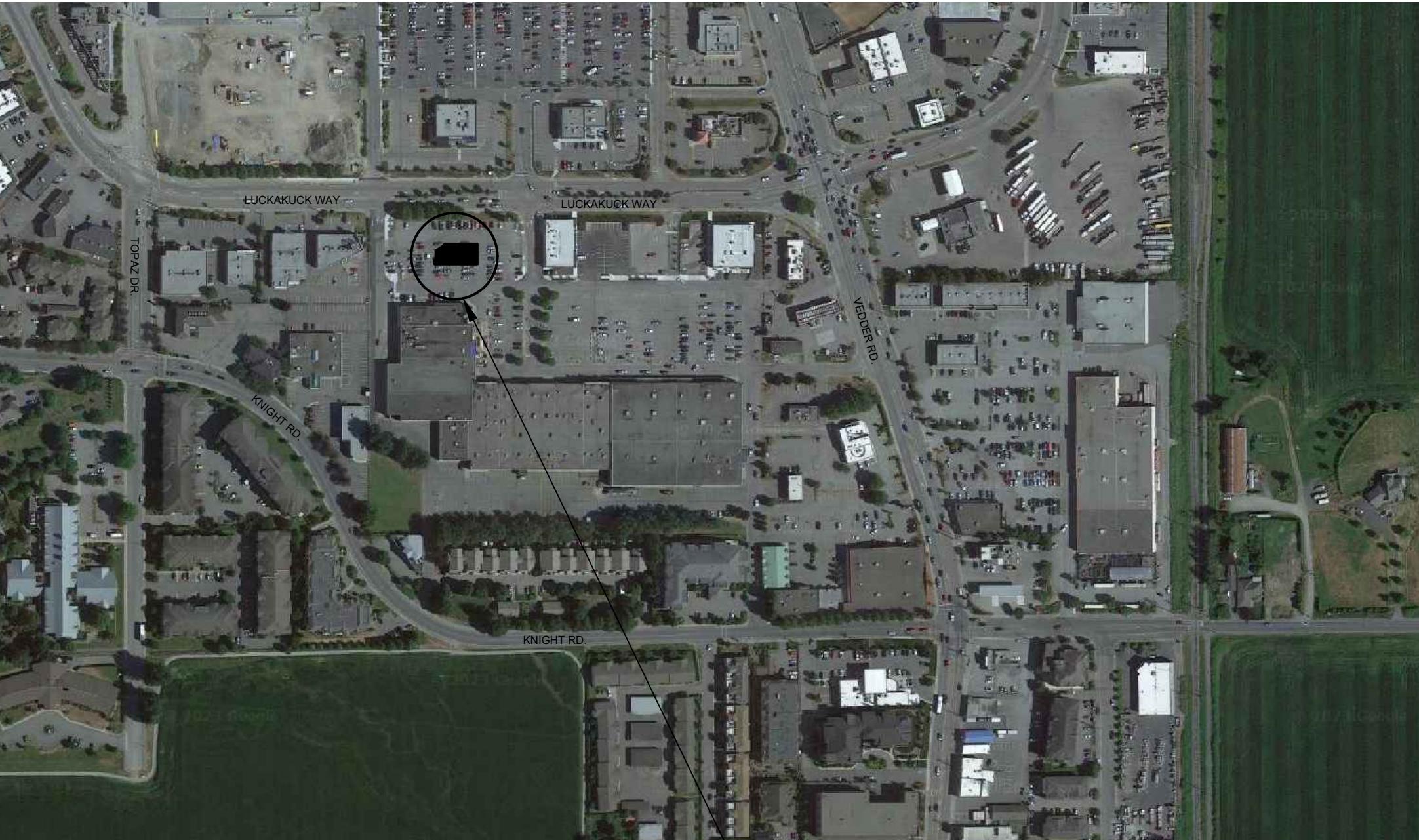
EMBE CONSULTING ENGINEERS
121 15TH AVENUE, SE
CALGARY, AB, T2G 1G1
C. MOORTAZA BHAIJI
P. 403-460-2277
E. INFO@EMBECONSULTING.CA

GENERAL NOTES

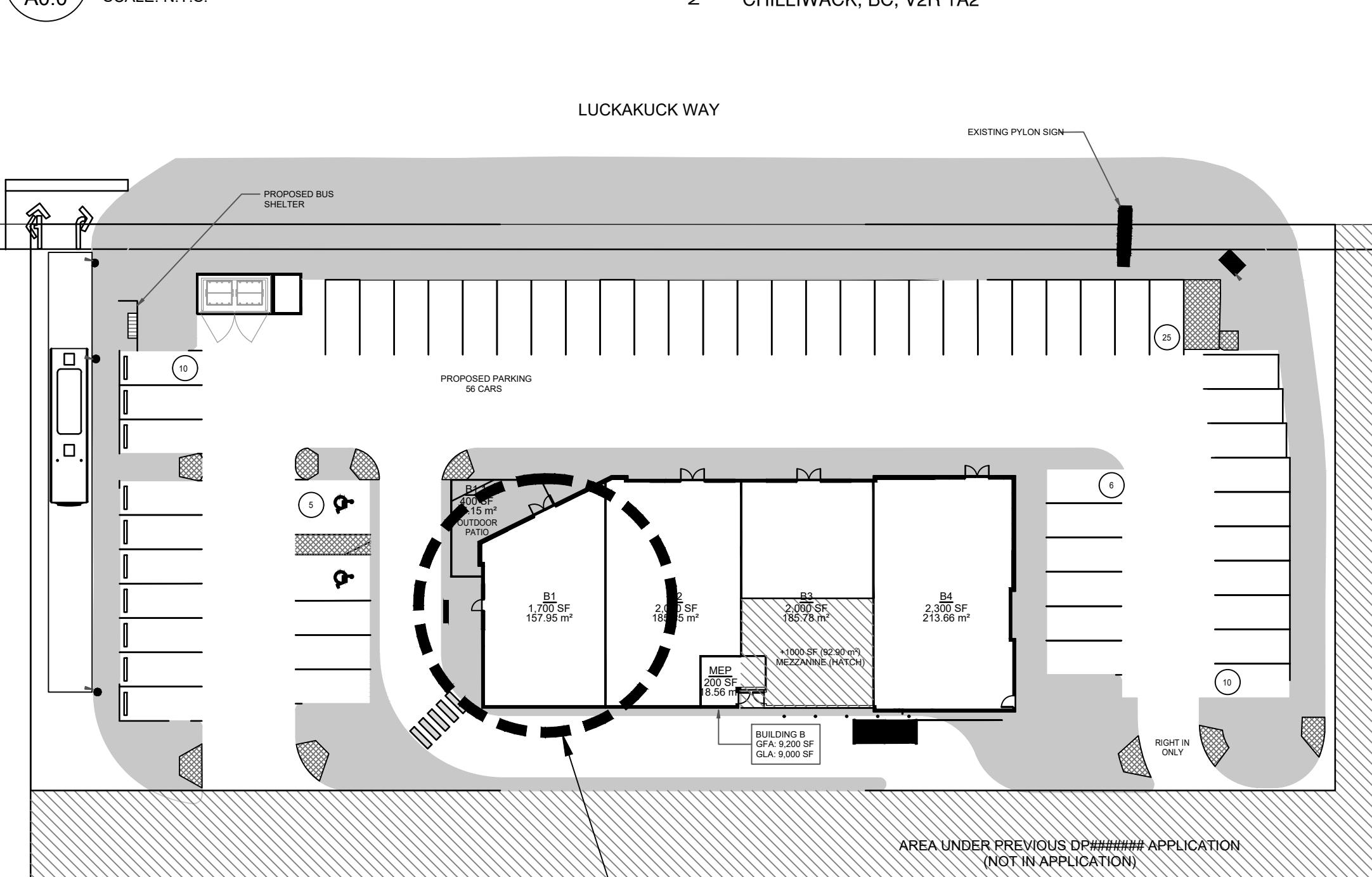
- THE GENERAL CONTRACTOR SHALL SUPPLY ALL MATERIALS & LABOR TO COMPLETE THIS PROJECT IN A FIRST CLASS MANNER TO THE ENTIRE SATISFACTION OF THE OWNER.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES & BY-LAWS & THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL VISIT 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 CONTRACTOR'S 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 CHILLIWACK, BC, V2R 1A2		LEGAL INFO: LOT A DISTRICT LOT 259, GROUP 2 NEW WESTMINSTER DISTRICT, PLAN EPP60158 EXCEPT PLAN EPP124038	
BCBC 2018 (Data Matrix Part 3) BCBC 2018 DATA MATRIX BASED ON INFORMATION PROVIDED BY OWNER. FROM DRAWINGS PRODUCED BY CELSO STIELMANN ARCHITECT INC.			
1	Project Description: <input checked="" type="checkbox"/> New <input type="checkbox"/> Interior Alteration <input type="checkbox"/> Part 3 UNIT AREA: 157.96 m ² <input type="checkbox"/> Addition <input type="checkbox"/> Change of Use	BCBC 2018 Reference To Division B unless noted [A] for Division A or [C] for Division C	
2	Major Occupancy(s) GROUP A2 ASSEMBLY - RESTAURANT Major Occupancy(s) Major Occupancy(s) Major Occupancy(s)	3.2.2.26	
3	Building Area (m ²) Existing 761.8 New N/A Total 761.8		
4	"Project" Area Existing 157.95 MEZZ. N/A Total 157.96		
5	Number of Stories 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 <input type="checkbox"/> selected compartments <input type="checkbox"/> not required (existing) <input type="checkbox"/> selected floor areas <input type="checkbox"/> in lieu of roof rating	3.2.1.5 3.2.2.18	
9	Standpipe required ETR <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.2.5.8	
10	Fire Alarm required ETR <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.2.4.1(1)	
11	Water Service/Supply is Adequate ETR <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.2.5.7	
12	High Building ETR <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.2.6.1	
13	Permitted Construction <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible <input type="checkbox"/> Both Actual Construction <input type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible <input checked="" type="checkbox"/> Both	3.2.2.24 Existing Non Conforming	
14	Occupant load based on Occupancy A2 Load 68 persons Assembly: 1.2 m ² /person Kitchen: 0.3 m ² /person (w kitchen area is comprised of 35.4%)	3.1.17.1 (1) Occupancy sign posted 36 Patrons + 6 Staff Total = 42	
15	Barrier-free Design <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain) _____	3.8	
16	Hazardous Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3.3.1.2 & 3.3.1.20	
17	Plumbing Fixture Requirements Occupant Load Fixtures Required Fixtures Provided Male/Female Count @ .50 % / .50 % 42 1 Male & 1 Female, 1 Male & 1 Universal WC	3.7.2.2(6) 3.7.2.2(A)	
18	Exit Width Capacity Exit Door Provide Width Width Required per Person Exit Capacity (Person) North 1,828 mm 6.1 mm 300 West 914 mm 6.1 mm 150	3.4.3.2(1) 3.4.3.2(1) 3.4.3.2(1)	
	Total 450		
19	Separation of Major Occupancies Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Instances: A2-E (2HR)	3.1.3.1	
20	Interior Finishes	3.1.13	
21	Portable Fire Extinguishers Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.2.5.16	
22	Emergency Power for Lighting Required 30 min.	3.2.7.4	
23	Means of Egress	3.3.1.3	
24	Door Swing	3.3.1.11	
25	Janitor's Rooms	1 hour Separation	
26	Access to Exit	3.4.1.3	
27	Minimum No. of Exits Required 1 but Supplied 2	3.4.2.1	
28	Minimum Distance Between Exits 9 M	3.4.2.3	
29	Maximum location of Exits 25 M.	3.4.2.5	
30	Exit Signs Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.4.5	
31	Service Rooms	3.6.2	



LOCATION MAP



SITE PLAN

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

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

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

ELECTRICAL / MECHANICAL ENGINEERS
EMBE
Consulting Engineers Inc.
121 15th AVENUE SE, CALGARY, AB T2G 1G1
403-460-2277 | info@embeconsulting.ca

KITCHEN CONSULTANT
Bargreen Ellingson Canada
1040 Parke Street
Vancouver, BC V6A 4B9
778-452-2430
www.bargreen.com

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

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

DRAWING TITLE
PROJECT INFORMATION
SITE PLAN, LOCATION MAP

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

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DRAWING NO.
A0.0

BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
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	SUPPLY	INSTALL	SUPPLY	INSTALL		
LANDLORD APPROVAL			●	●			INTERICS DESIGN									
PERMITS & FEES			●				INTERICS DESIGN									
3RD PARTY INSPECTIONS				●	●											
AIR BALANCE/ TEST				●	●											
INSURANCE				●	●											
HOARDING				●	●		G.C. TO CONFIRM BASED ON SPECIFIC SITE									
HOARDING GRAPHICS		●														
DEMOLITION- STOREFRONT							N/A									
DEMOLITION- INTERIOR PARTITIONS							N/A									
DEMOLITION- CEILINGS							N/A									
DEMOLITION- WASHROOMS							N/A									
DEMOLITION- DEMISING WALLS							N/A									
REMOVAL OF EXISTING KITCHEN EQUIPMENT							N/A									
EXISTING CONCRETE SLAB	●	●					G.C. TO REVIEW EXISTING SUB WORK COMPLETED PREVIOUSLY									
TEMP. ELECTRIC/ TELEPHONE/ UTILITIES				●	●		TO DETERMINE ANY DEMOLITION REQUIRED									
DAILY CLEAN UP/ WASTE MGMT.				●	●											
FINAL CLEAN UP				●	●											
BLOCKING				●	●											
DEMISING WALL STUDS	●	●														
DEMISING WALL GYPSUM BOARD/ FIRE RATING	●	●			●		G.C. TO PATCH & REPAIR AS REQ'D. MAINTAIN FIRE RATINGS IN ALL APPLICABLE AREAS									
STRUCTURAL STEEL				●	●		REFER TO STRUCTURAL DRAWINGS, IF APPLICABLE									
SEISMIC REQUIREMENT & ENGINEERING				●	●											
INTERIOR PARTITIONS				●	●											
GYPSUM BOARD CEILING/ FIRE RATING				●	●											
FURRING STRIPS				●	●											
INTERIOR DOORS/ FRAMES				●	●											
REAR EXIT DOORS/ FRAMES	●	●					EXISTING TO REMAIN.									
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									
STOREFRONT GLAZING	●	●														
FLOORING C/W BASE				●	●											
PAINT/ WALLCOVERINGS				●	●											
SCHLUTER STRIPS				●	●		SEE DRAWING - FOR DETAILS									
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									
DRAFT EQUIPMENT							N/A									
SANITATION & HEALTH PACKAGE			●			●	INSTALLED BY CONTRACTOR									
SMALL WARES PACKAGE			●	●												
WASHROOM ACCESSORIES				●	●											

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UNIT # B1
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CHILLIWACK, BC V2R 1A2

DRAWING TITLE
RESPONSIBILITY MATRIX

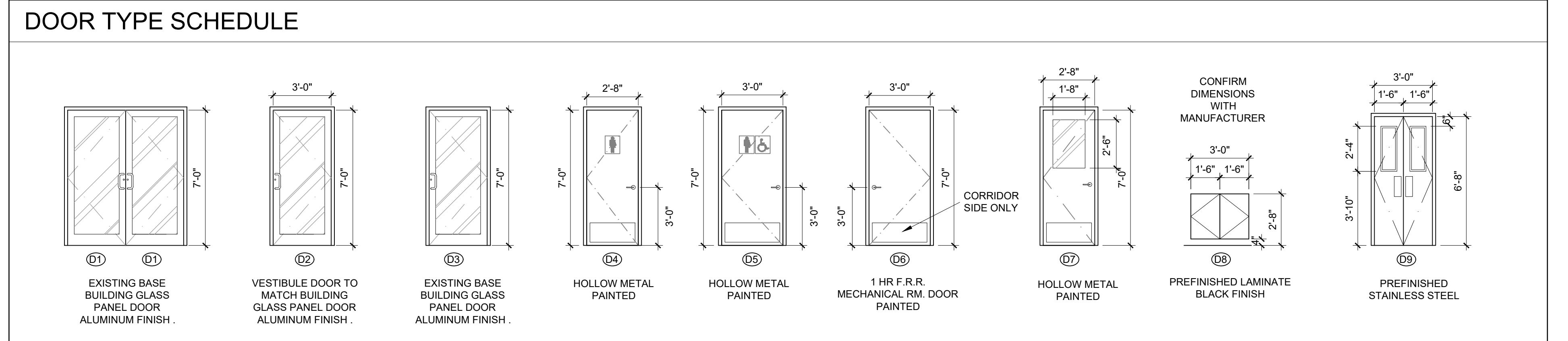
SCALE AS NOTED
DATE NOVEMBER /2023
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JPS PROJ. NO. 2023-77
FILE NO. (INTERICS JOB # 22.1872)

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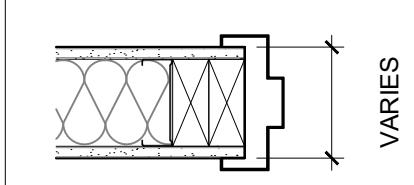
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DOOR SH.	DOOR MARK	FIRE RATING	WIDTH	HEIGHT	THICKNESS	ALUMINUM	HOLLOW METAL	FIRE-RATED METAL (POINT GRADE)	SOLID CORE	ALUMINUM	PRESSED STEEL	FRAMELESS	CORE	FRAME	GLASS	HARDWARE														DOOR TYPE	FRAME TYPE	QUANTITIES						
																BB BUTT (1/2 PR./DOOR)	PISSAGE SRT	LEVER HANDLES	LOCKSET	LEVER HANDLES	PRIVACY SET	PUSH/PULL (S.S.)	PANIC HARDWARE	WALL STOP	FLOOR STOP	SLIDING DOOR	KICK PLATE (C/W PULL)	TECH PLATE	SIGN SIDE	H&S UNIVERSAL	WEATHERSTRIPPING	SWEEP	DOOR GRILLE	ELEPHANT FOOT	DOOR VIEWER	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 PT- FRAME: PT-6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	MEN'S & WOMEN'S W/C'S	D4	A	2									
D5	3'-0"	7'-0"	1 3/4"	●	●	●	●	●	●	DOOR PT- FRAME: PT-6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	BARRIER FREE WASHROOM	D5	A	1								
D6	1 HR.	3'-0"	7'-0"	1 3/4"	●	●	●	●	●	DOOR PT- FRAME: PT-6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	MECHANICAL ROOM	D6	A	1								
D7	2'-8"	7'-0"	1 3/4"	●	●	●	●	●	●	DOOR PT- FRAME: PT-6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	OFFICE	D7	A	1								
D8	3'-0"	2'-8"	PREFINISHED SCP 1/2 HEIGHT LAMINATE GATE:						FRAME: BLACK	ELIASON CORP., #SCP GATE LAMINATE DOOR. BLACK FORMICA #909-58 FINISH 1-800-828-2655															SERVERY GATE	D8		1										
D9	3'-0"	6'-8"	PREFINISHED STAINLESS STEEL DOORS:						FRAME: PT-6	ELIASON CORP., #DSP-3 C/W 8"x26" CLEAR WINDOWS. 1-800-828-2655															KITCHEN DOORS	D9		2										

DOOR TYPE SCHEDULE



DOOR FRAMES

TYPE	NOTES
A 16 GAUGE PRESSED STEEL PAINTED	 VARI'S - PROVIDE 2-2"x4" WOOD BLOCKING - SEE WALL SCHEDULE FOR THICKNESS FOR THROAT SIZES

DOOR NOTES

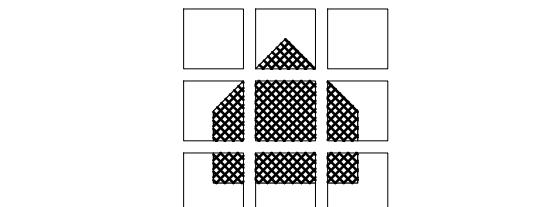
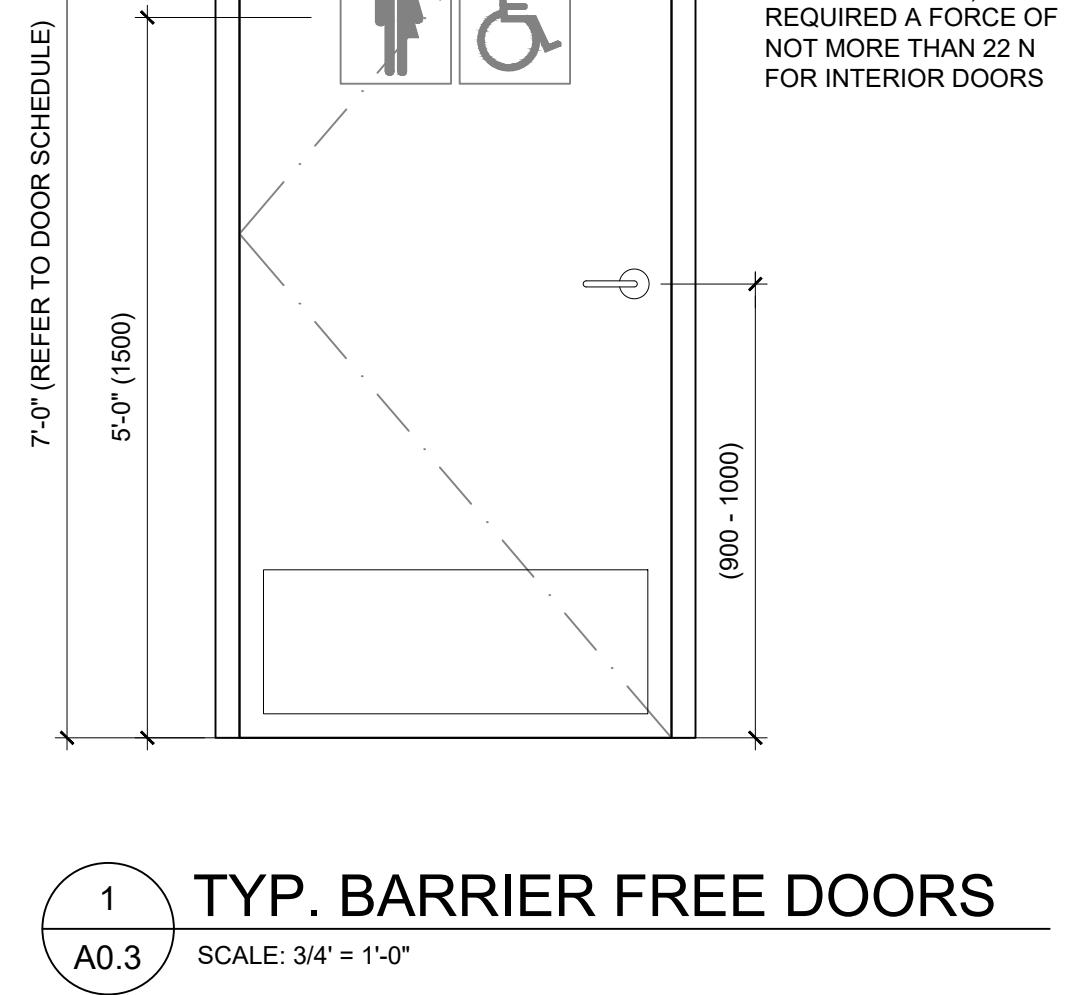
DOOR REQUIREMENT NOTES:

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.

UNIVERSAL DOOR SYMBOL LOCATED ON OUTSIDE OF DOOR
DOOR OPENING DEVICES SHALL BE DESIGNED SO THAT THEY DO NOT REQUIRE TIGHT GRASPING AND TWISTING OF THE WRIST (LEVER TYPE HANDLE, PUSH PLATE, LATCH RELEASE) AND REQUIRED A FORCE OF NOT MORE THAN 22 N FOR INTERIOR DOORS



J.P. SAUTER
A R C H I T E C T
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			
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D			
E			



KITCHEN CONSULTANT
Bargreen Ellingsen Canada

1040 Park Street
Vancouver, BC V6A 4B9
778-452-2430
www.bargreen.com



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

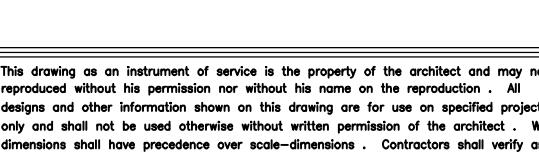


PROJECT
FATBURGER, CHILLIWACK MALL
UNIT # B1
45610 LUCKAKUCK WAY
CHILLIWACK, BC V2R 1A2



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)

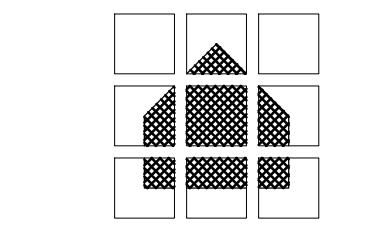


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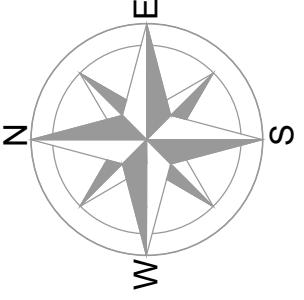
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BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



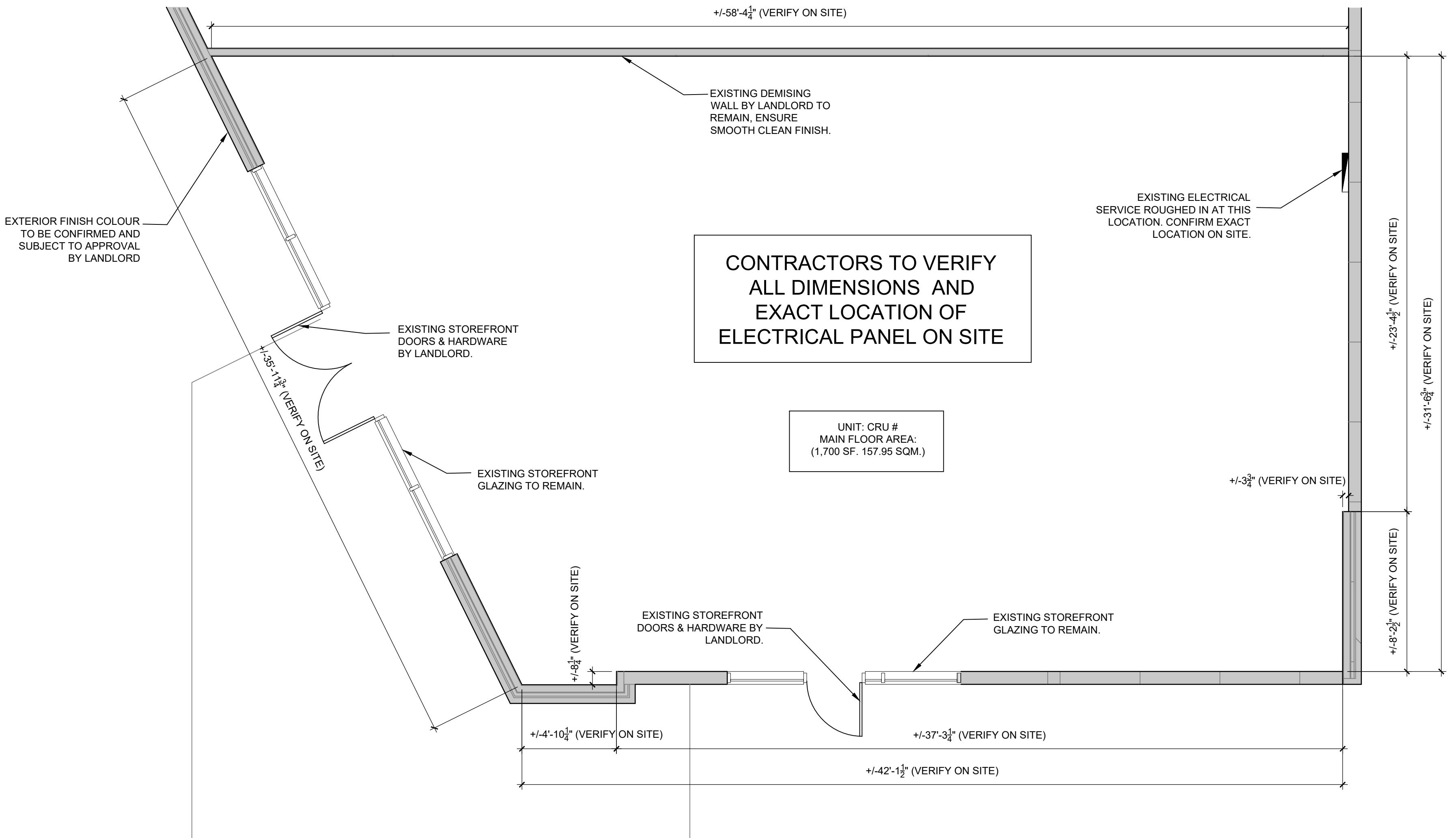
J.P. SAUTER
A R C H I T E C T

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



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	

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A	NOV. 14, 2023	ISSUED FOR B.P.
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E		



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



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

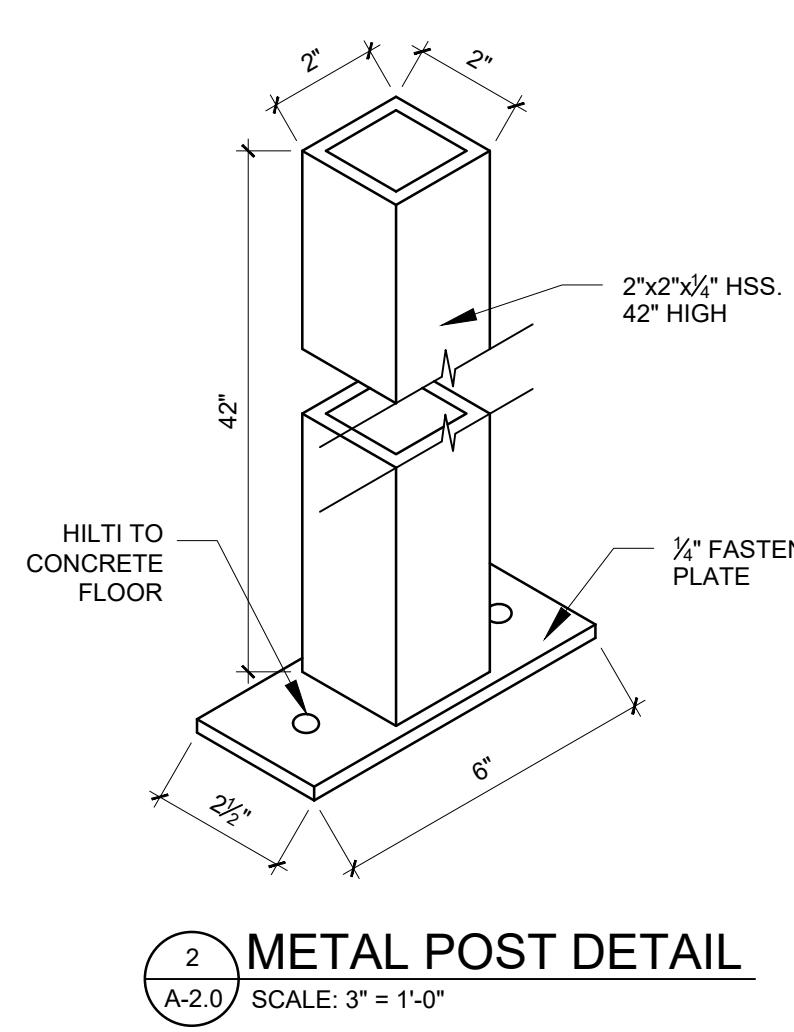
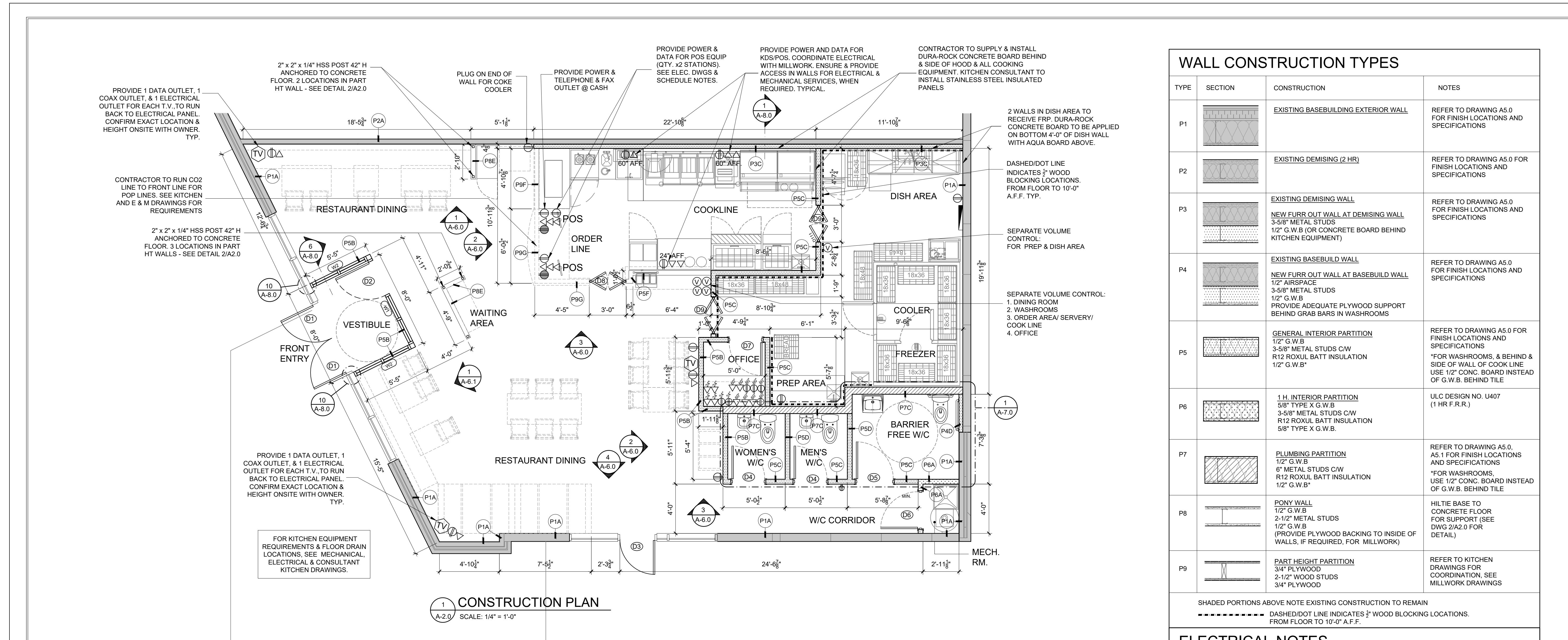
DRAWING TITLE
EXISTING PLAN NOTES

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

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A1.0

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EMAIL : jpsauter@shaw.ca



ELECTRICAL OUTLETS & SWITCHES		
LOCATION	BLACK	WHITE
VESTIBULE	●	
DINING AREA	●	
WASHROOMS	●	
KITCHEN BACK AREA	●	
COOK LINE	●	
SERVERY	●	
OFFICE	●	

CONSTRUCTION NOTES	
1. ALL NEW WALLS TO BE 1 1/2", 2 1/2", 3 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.	
2. ALL STUDS TO U/S OF STRUCTURE TO HAVE SLIP JOINT CONNECTION.	
3. SEE A5.0 FINISH SCHEDULE FOR MATERIALS AND FINISHES	
4. REFER TO SECTION THIS PAGE & ON A8.0 FOR FURTHER DETAILS	
5. CONTRACTOR SHALL PROVIDE ADEQUATE BACKING FOR FIXTURES AND ACCESSORIES	
6. FOR WALLS HIGHER THAN 12'-0", USE 18 GAUGE STUDS & PROVIDE HORIZONTAL BRACING @ 4'-0"	
7. CONFIRM LOCATION OF WALLS WITH OWNER PRIOR TO CONSTRUCTION	
8. CONFIRM ALL BLOCKING LOCATIONS ON SITE WITH OWNER PRIOR TO DRYWALL. ALL WALL TYPES TO BE CONFIRMED BY CLIENT AND CONTRACTOR PRIOR TO CONSTRUCTION.	
9. FLAME SPREAD RATING SHALL NOT EXCEED: 150 FOR WALL & CEILING FINISHES, 25 FOR EXITS.	
10. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AND INSTALLED IN CONFORMANCE WITH THE LOCAL BUILDING CODE	
11. FOR WASHROOMS INSTALL CONCRETE BOARD BEHIND TILES, AQUA BOARD AT SURFACES TO BE PAINTED	
12. USE MULL-IT 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)
H	WALL TYPE (H): NOT USED

WINDOW / GLAZING SCHEUDLE	
ITEM	DESCRIPTION
W1	VESTIBULE GLAZING FRAME FROM 8'-0" 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 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
P4		EXISTING BASEBUILD WALL NEW FURR OUT WALL AT BASEBUILD WALL 1/2" AIRSPACE 3-5/8" METAL STUDS 1/2" G.W.B. PROVIDE ADEQUATE PLYWOOD SUPPORT BEHIND GRAB BARS IN WASHROOMS	REFER TO DRAWING A5.0 FOR FINISH LOCATIONS AND SPECIFICATIONS
P5		GENERAL INTERIOR PARTITION 1/2" G.W.B. 3-5/8" METAL STUDS C/W R12 ROXUL BATT INSULATION 1/2" G.W.B.	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		1 H. INTERIOR PARTITION 1/2" TYPE X G.W.B. 3-5/8" METAL STUDS C/W R12 ROXUL BATT INSULATION 5/8" TYPE X G.W.B.	ULC DESIGN NO. U407 (1 HR F.R.R.)
P7		PLUMBING PARTITION 1/2" G.W.B. 6" METAL STUDS C/W R12 ROXUL BATT INSULATION 1/2" G.W.B.	REFER TO DRAWING A5.0, A5 FOR FINISH LOCATIONS AND SPECIFICATIONS *FOR WASHROOMS, USE 1/2" CONC. BOARD INSTEAD OF G.W.B. BEHIND TILE
P8		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)	HILTI BASE TO CONCRETE FLOOR FOR SUPPORT (SEE DWG 2/A.2.0 FOR DETAIL)
P9		PART HEIGHT PARTITION 3/4" PLYWOOD 2-1/2" WOOD STUDS 3/4" PLYWOOD	REFER TO KITCHEN DRAWINGS FOR COORDINATION, SEE MILLWORK DRAWINGS

SHADED PORTIONS ABOVE NOTE EXISTING CONSTRUCTION TO REMAIN
DASHED/DOT LINE INDICATES 3/4" 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" A.F.F. UNLESS NOTED OTHERWISE. CONTRACTOR TO PULL ALL OWNER SUPPLIED DATA & PHONE LINES INTO SPACE.

● VOLUME CONTROL FOR SPEAKERS:
EPISODE ELECTRONICS
EVC-100R-WHLS
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 CUL @ 60" A.F.F. CONFIRM WITH KITCHEN CONSULTANT DRAWINGS.
 - 2 DATA OUTLETS (WITH CAT 6 CABLE) & 1 ELECTRICAL OUTLET AT TOASTER/ COOK LINE UNDER HOOD AT 60" A.F.F.
 - 2 DATA OUTLETS (WITH CAT 6 CABLE) & 1 ELECTRICAL OUTLET AT EXPO LINE (BEHIND CHILI TABLE) AT 24" A.F.F.
 - 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" A.F.F.
 - 2 ELECTRICAL OUTLETS AT 24" A.F.F.
 - 5 DATA OUTLETS AT 60" A.F.F.
 - 4 ELECTRICAL OUTLETS AT 60" A.F.F.
 - 1 COAX CABLE AT 60" A.F.F. 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" A.F.F.
- ELECTRICAL/ DATA REQUIREMENTS FOR TVs ARE AS FOLLOWS:
 - 1 DATA OUTLET, 1 COAX OUTLET & 1 ELECTRICAL OUTLET FOR EACH TV TO RUN BACK TO ELECTRICAL PANEL.

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

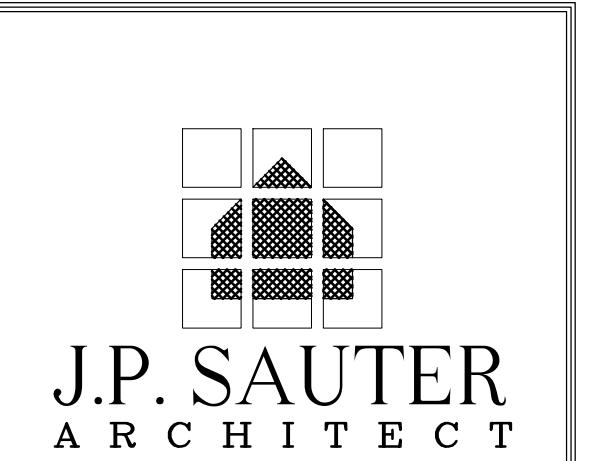
DRAWING TITLE
CONSTRUCTION PLAN
NOTES & SCHEDULES
SCALE AS NOTED
SEAL
DATE NOVEMBER /2023
DRAWN C.R. & PPL
CHECKED JPS
PROJ. NO. 2023-77
FILE NO. (INTERICS JOB # 22.1872)

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A2.0

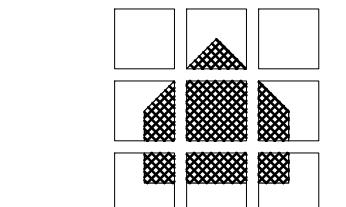
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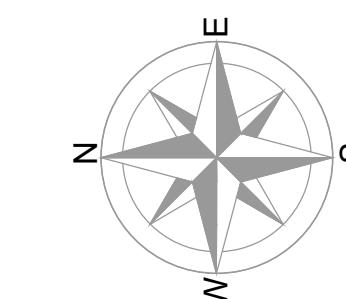


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P: 403-265-2252 F: 403-265-2258
www.interics.ca



J.P. SAUTER
A R C H I T E C T

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



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ELECTRICAL / MECHANICAL ENGINEERS
EMBE
Consulting Engineers Inc.

121 15th AVENUE SE, CALGARY, AB T2C 1G1
403-460-2277 | info@embeconsulting.ca

KITCHEN CONSULTANT
Bargreen Ellingson Canada
1040 Park Street,
Vancouver, BC V6A 4B9
778-452-2430
www.bargreen.com



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

DRAWING TITLE
REFLECTED CEILING PLAN
NOTES & SCHEDULES

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

A3.0

CEILING NOTES

1. CONTRACTOR TO VISIT SITE & DETERMINE EXTENT OF M&E WORK PRIOR TO SUBMITTING PRICE.
2. ALL WORK TO BE DONE IN COMPLIANCE WITH LOCAL CODES.
3. SEE DRAWING FOR DRYWALL BULKHEAD HEIGHTS AND PAINT COLORS.
4. ALL LIGHTING TO BE SUPPLIED & INSTALLED BY CONTRACTOR.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL & ELECTRICAL DRAWINGS.
6. KITCHEN: 2'X4' T-BAR GRID AND TILES SUSPENDED AT 10'-0" AFF. KITCHEN CEILING TILE TO BE WASHABLE WHITE VINYL.
7. 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 C5411/1MB. COMPLETE WITH LED BULB, 3000K DIMMABLE. CONTACT GURPREET SANGHA, 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.
TV	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
\$M	3	MOTION SENSORS FOR LIGHTING, IN WASHROOMS

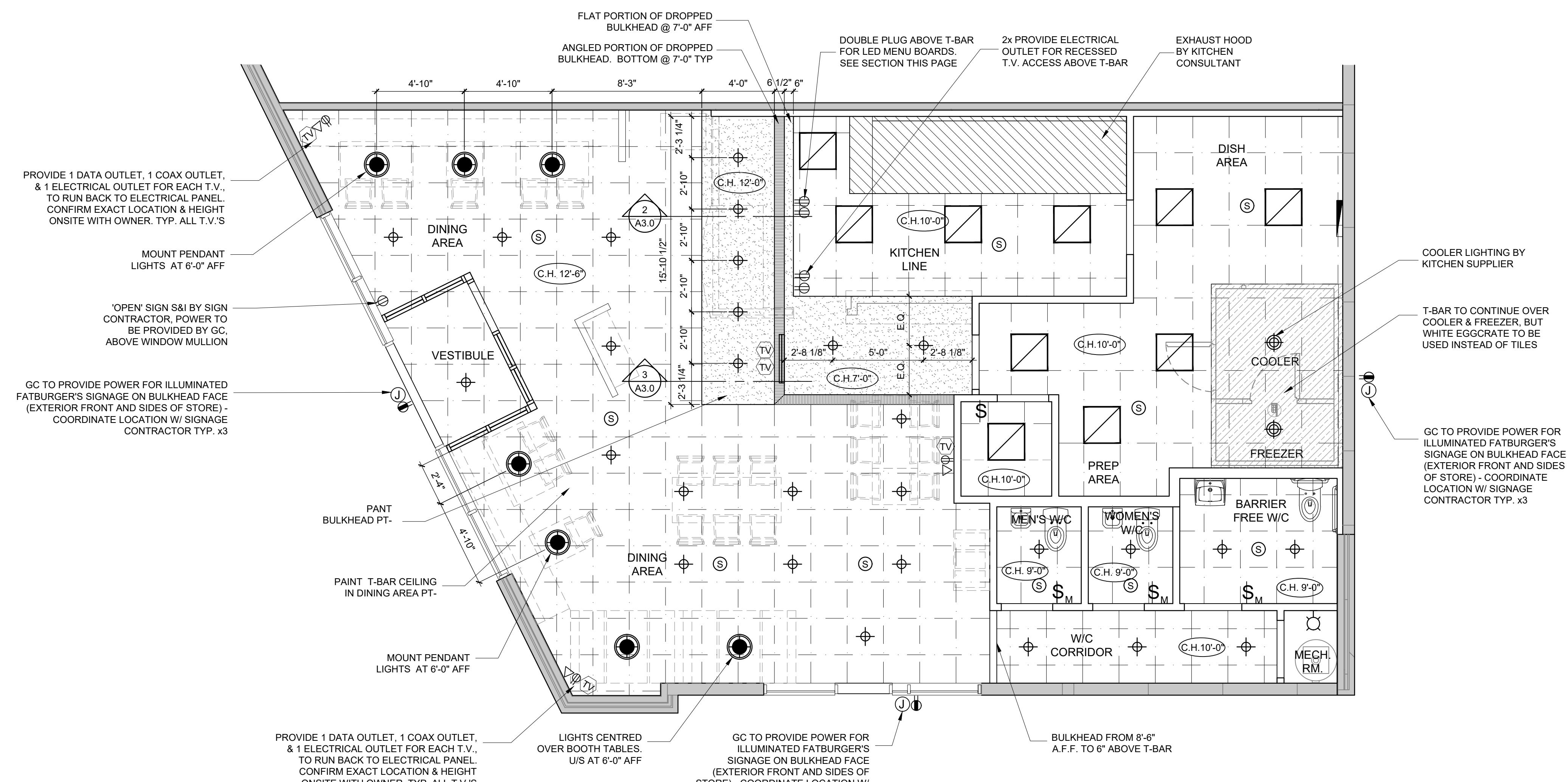
CEILING FINISH LEGEND:

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.

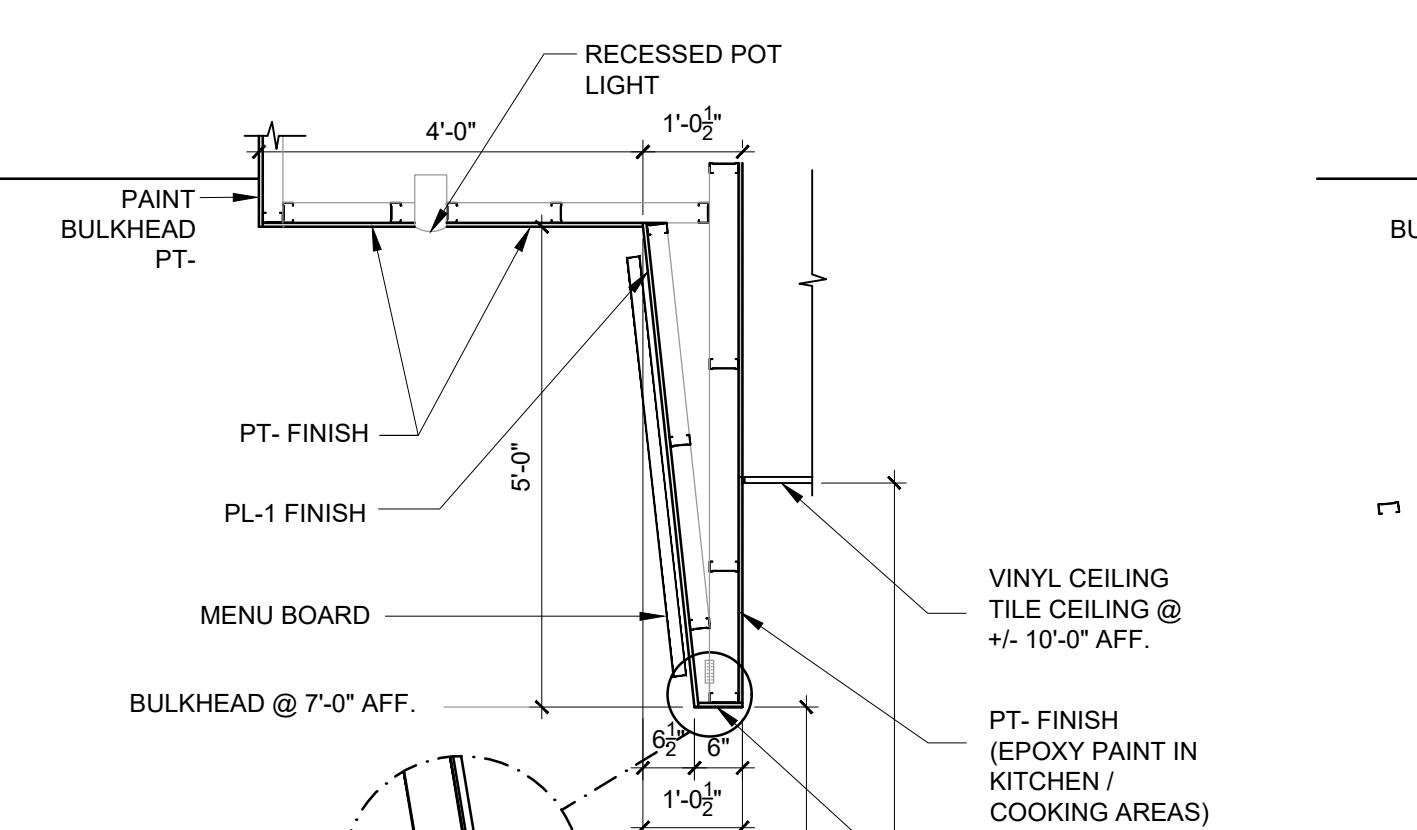
COOLER & FREEZER: (ACT-2)
24"x48" EGGCRATE GRILLES FOR VENTILATION

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 1/8" 24"x48"

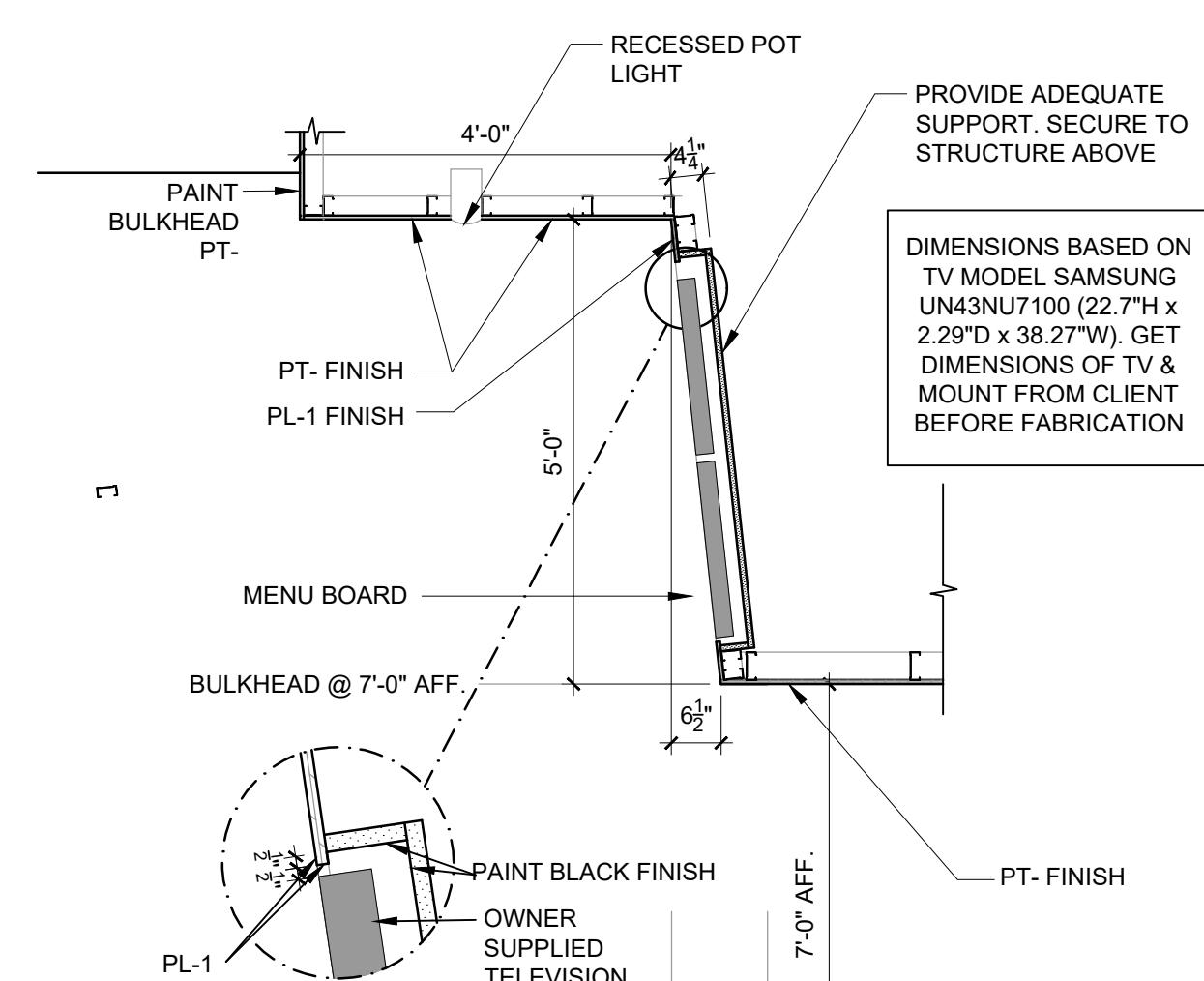
DRYWALL CEILING: (GWB-1)
NEW GWB CEILING TO BE SUSPENDED AT HEIGHTS SHOWN. PAINT FINISH TBD.



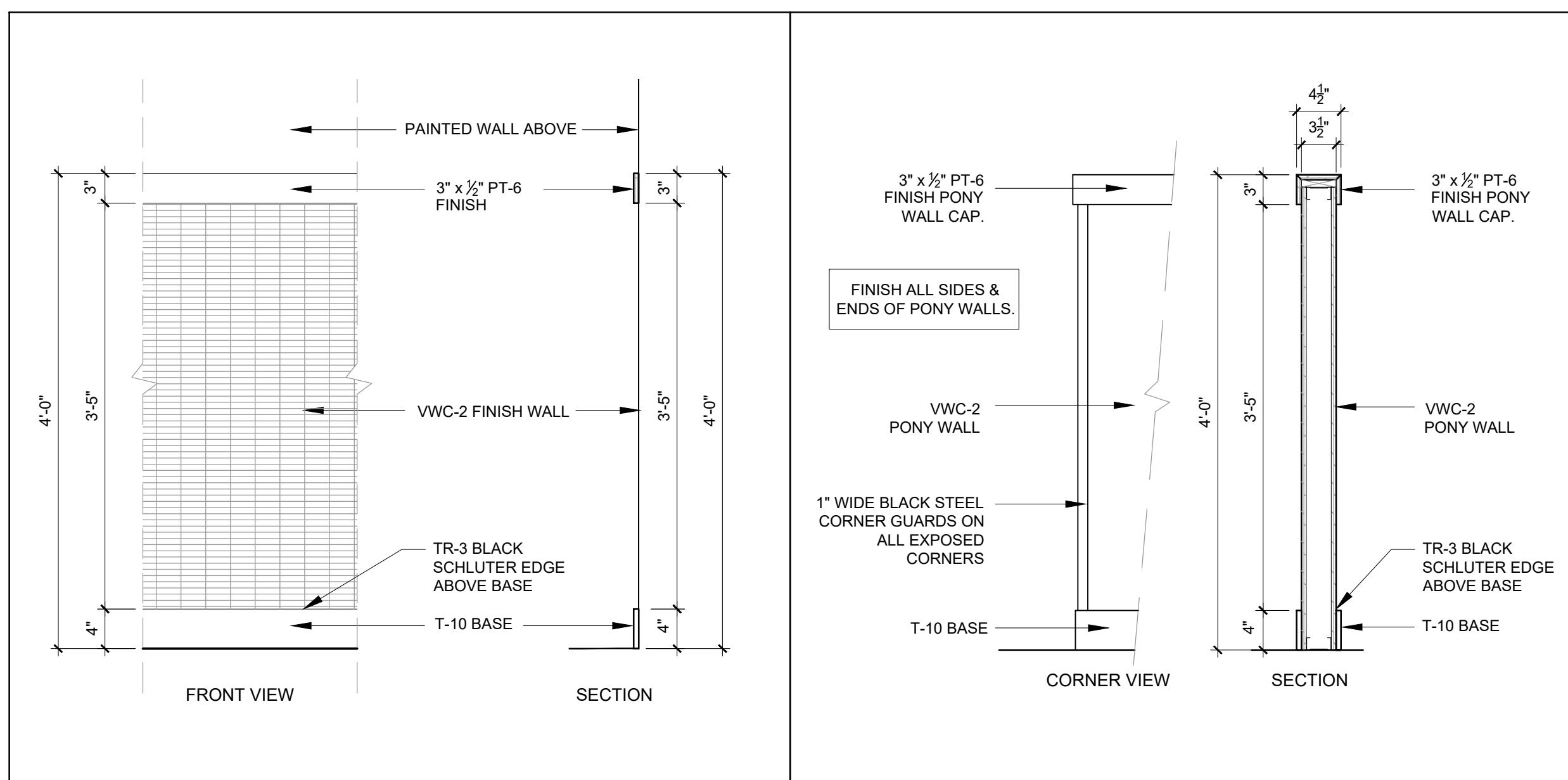
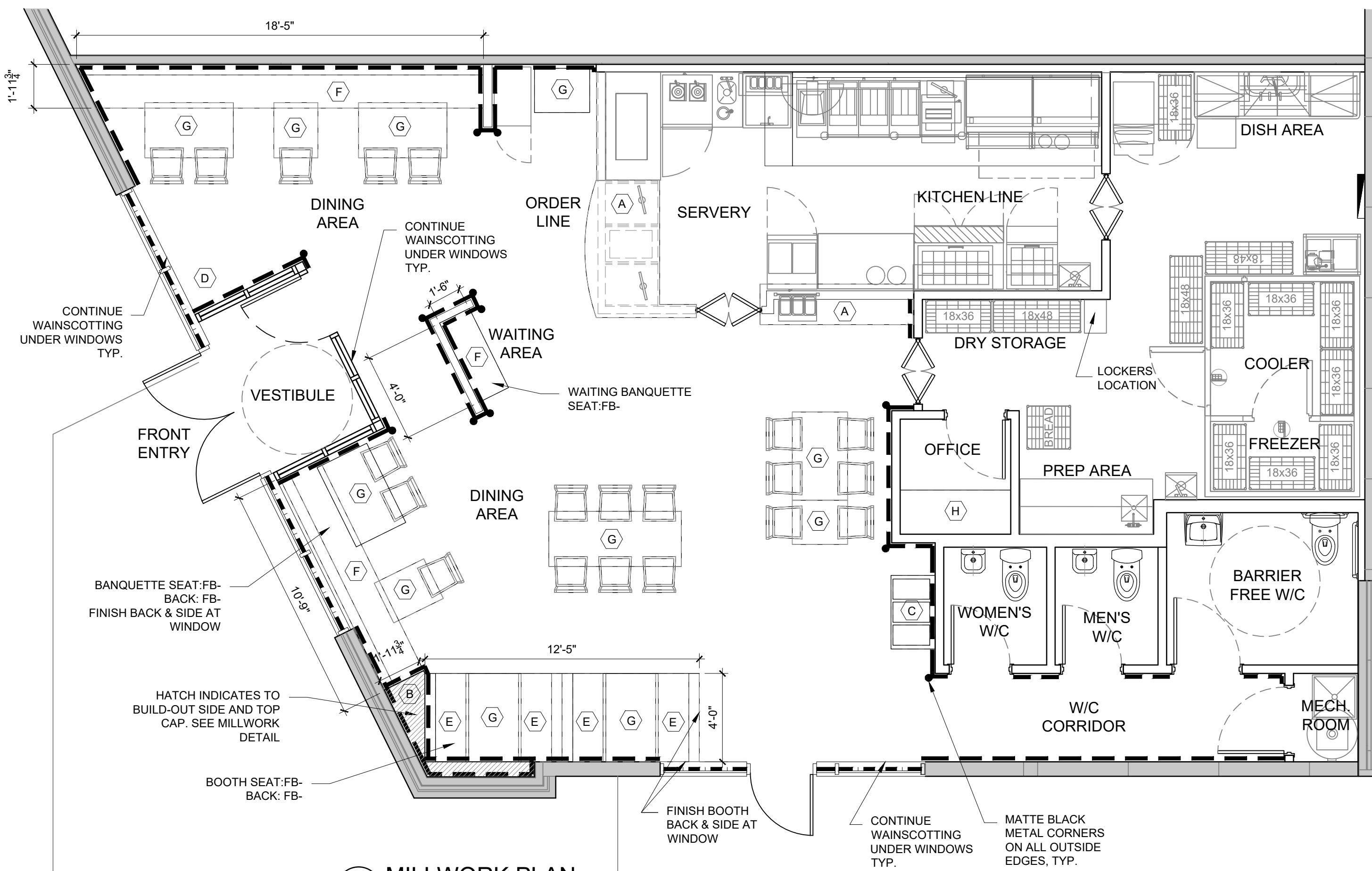
REFLECTED CEILING PLAN
A3.0 SCALE: 1/4" = 1'-0"



FATBURGER BULKHEAD AT MENU BOARD
A3.0 SCALE: 1/2" = 1'-0"



FATBURGER BULKHEAD AT RECESS T.V.'S
A3.0 SCALE: 1/2" = 1'-0"



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

3 PART HEIGHT WALL DETAIL
A-4.0 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

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

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 TO 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 1/8" OF TRIM. ON FULL HEIGHT OR PART HEIGHT WALLS.

WAINSCOTING:

DASHED LINE INDICATES WAINSCOTING LOCATION. SEE DETAIL ON THIS PAGE

WINDOW COVERINGS:

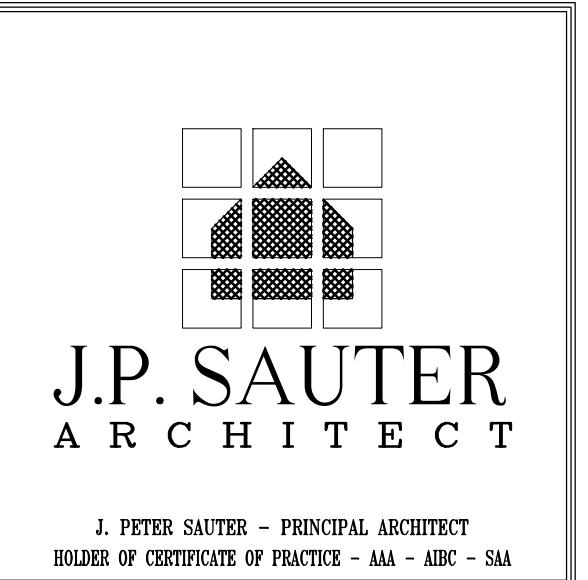
DASHED DOT LINE INDICATES WINDOW COVERINGS LOCATION. SEE FINISH SCHEDULE FOR SPECIFICATION ON A5.0

FATBURGER MURALS:

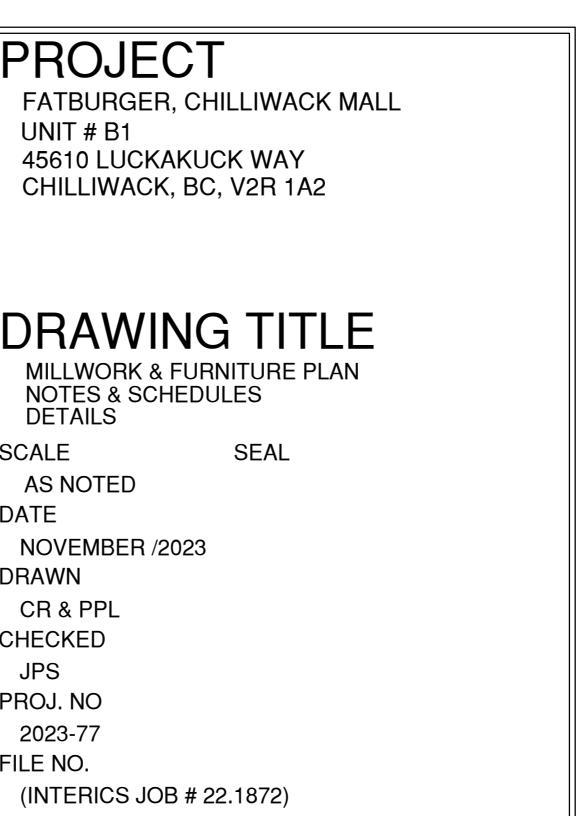
OWNER SUPPLIED CONTRACTOR INSTALLED MURALS ABOVE WAINSCOTING OR TILE. DETERMINE WITH OWNER WHICH MURAL TO BE FRAMED 2" x 3" MDF PAINTED PT-6 (BY CONTRACTOR) SEE ELEVATIONS. EXACT LOCATIONS TO BE DETERMINED BY OWNER.

EMPLOYEE COAT HOOKS:

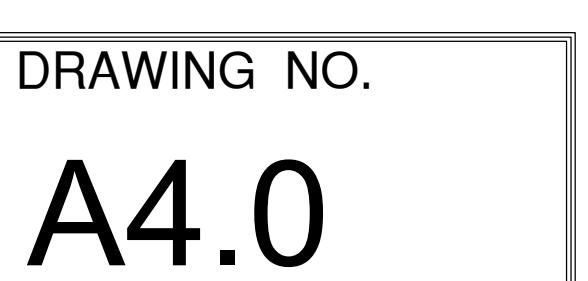
EMPLOYEE COAT HOOK - NYSTROM DECORATIVE DOUBLE HOOK IN CHROME FINISH, QTY. x 5, MOUNTED 9" O/C TO 3/8" THICK PLY BACKER, 6" HT. x 4'-0" WIDE, W/ PT-6 SEMI-GLOSS FINISH. CONFIRM EXACT SIZE PRIOR TO FABRICATION. CONFIRM LOCATION W/ OWNER.



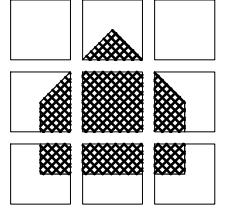
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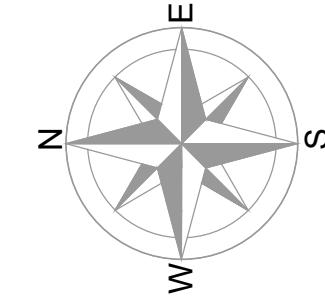


BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



J.P. SAUTER
ARCHITECT

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



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A	NOV. 14, 2023	ISSUED FOR B.P.
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ELECTRICAL / MECHANICAL ENGINEERS
EMBE Consulting Engineers Inc.

121 15th AVENUE SE, CALGARY, AB T2C 1G1
403-460-2277 | info@embeconsulting.ca

KITCHEN CONSULTANT
Bargreen Ellingson Canada
1040 Parkie Street,
Vancouver, BC V6A 4B9
778-452-2430
www.bargreen.com



INTERICS

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

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

DRAWING TITLE
FINISHES 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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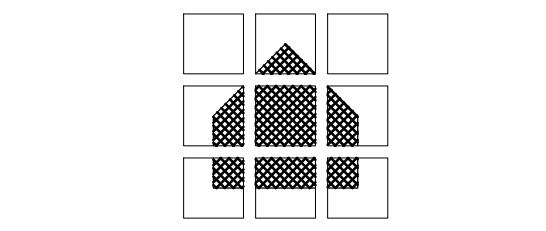
DRAWING NO.
A5.0

BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
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FATBURGER FINISH SCHEDULE- OPTION C 'CLASSIC RED'

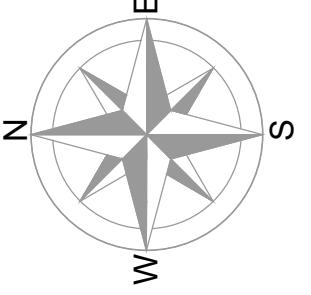
TAG	MATERIAL	MANUFACTURER	FINISH / COLOR	REMARKS	LOCATION	CONTACT
PT-1	PAINT (LT. BLUE)	SHERWIN WILLIAMS	SW6793 BLUEBELL EGGSHELL FINISH	FATBURGER BRANDING COLOR	MENU BOARD	
PT-2	PAINT (RED)	DULUX	RAPTURE, 07YR 101429 A0278 EGGSHELL			
PT-3	PAINT (LT. TAN)	BENJAMIN MOORE	HC-91 DANVILLE TAN EGGSHELL			
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)			WAINTSCOTTING & MURAL TRIM & DOOR FRAMES		
PL-1	PLASTIC LAMINATE	TBD		MENU BULKHEAD & TRASH RECEPCTACLE		
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 24x24" MATTE INDC2424		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' CMLBM412	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' CMLBG412	INSTALL PATTERN AS PER DETAIL	WASHROOM WALL TILE	AMES TILE ANNETTE WALTER 403-826-3991 awalter@amestile.com
T-5	QUARRY TILE	OLYMPIA TILE	METROPOLITAN 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 EGGGB48	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 OU55 12X24GRDXMT		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 ATDGHEX	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 tbbowling@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. & 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.



J.P. SAUTER
A R C H I T E C T

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



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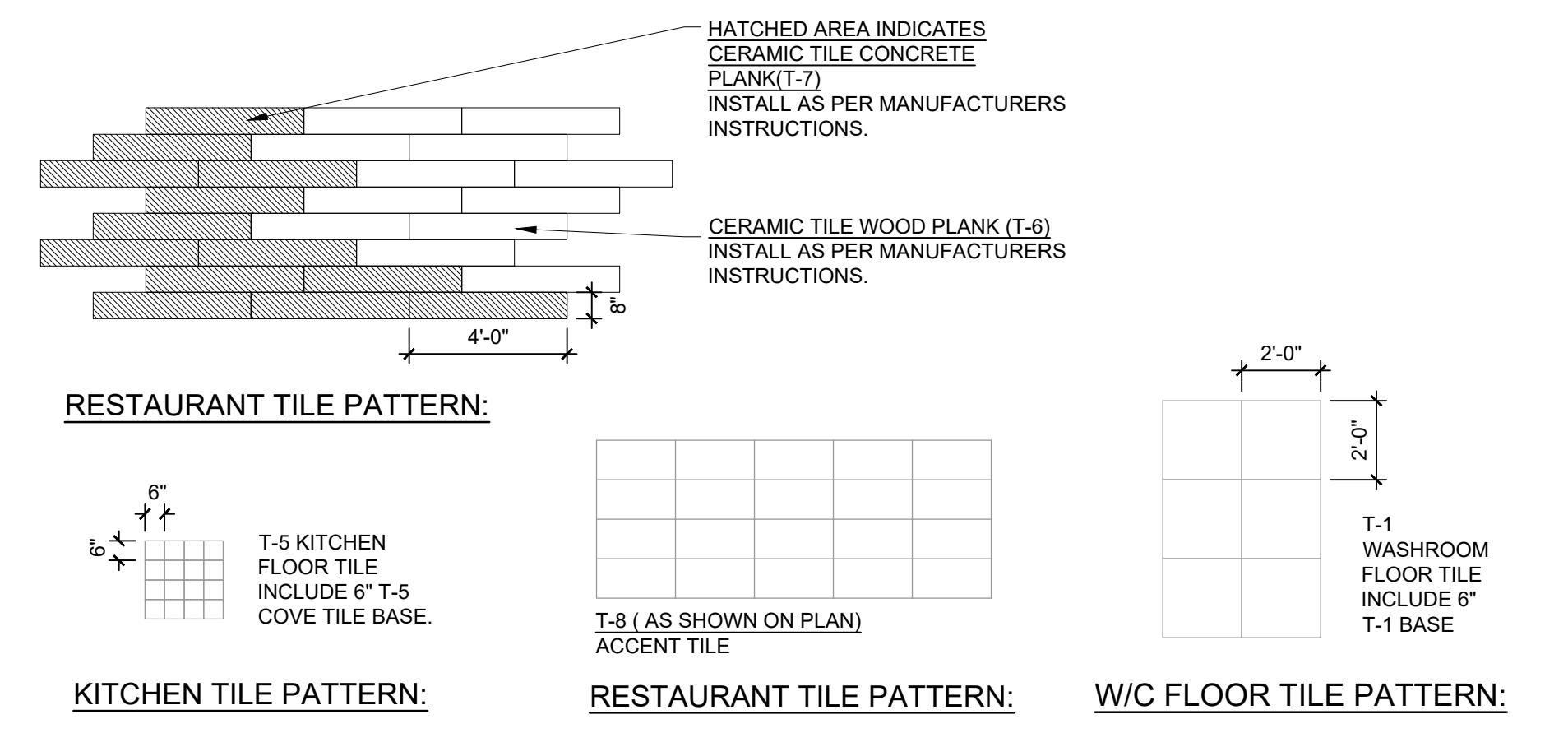
PROJECT	
FATBURGER, CHILLIWACK MALL UNIT # B1 45610 LUCKAKUCK WAY CHILLIWACK, BC, V2R 1A2	
DRAWING TITLE	
FINISHES WALL & FLOOR DETAILS	SEAL
SCALE AS NOTED	SEAL
DATE NOVEMBER /2023	
DRAWN CR & PPL CHECKED	
JPS	
PROJ. NO. 2023-77	
FILE NO. (INTERICS JOB # 22.1872)	

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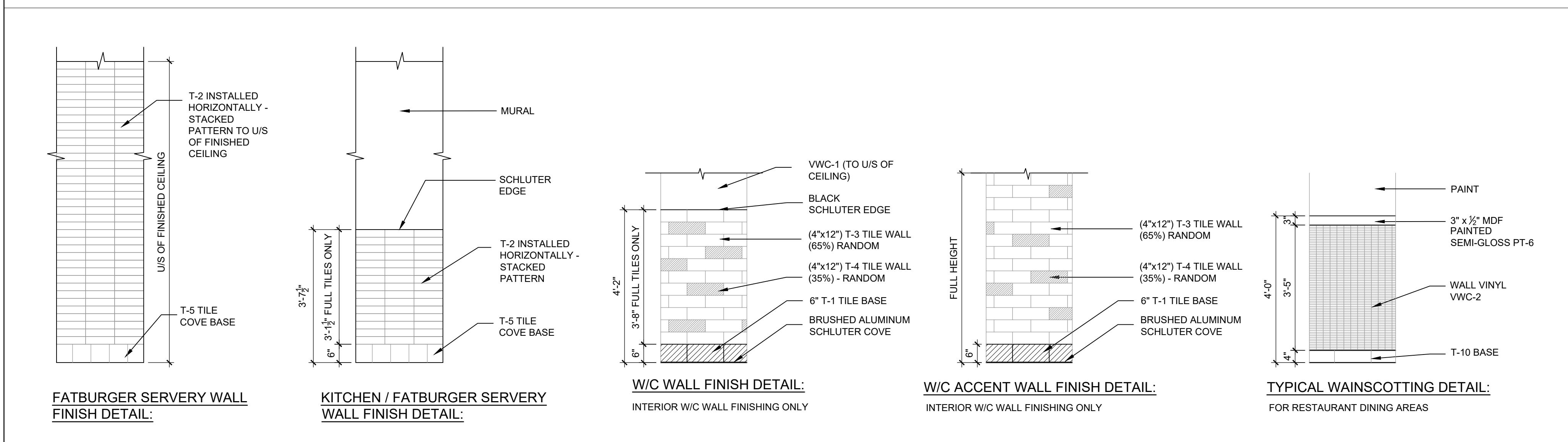
DRAWING NO.
A5.1

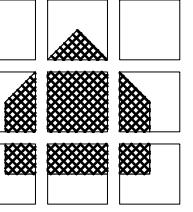
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EMAIL : jpsauter@shaw.ca

FLOOR FINISH LEGEND



WALL FINISH LEGEND





J.P. SAUTER A R C H I T E C T

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

This architectural cross-section diagram illustrates the interior of a restaurant, spanning from section B1 on the left to B3 on the right. The ceiling is a T-bar system. Key features include:

- Walls:** PT-6, VWC-2, T-10, T-5, and T-2 WALL TILE.
- Ceiling:** T-bar system with a 2" x 1/2" MDF frame for a mural.
- Fixtures:** TV, MURAL, KITCHEN HOOD, and FRP-1.
- Dimensions:** Vertical dimensions include 10'-0", 9'-0", 6'-0", 5'-0", 12'-0", 3'-7 1/2", 4'-6", and 5'-0". Horizontal dimensions are indicated by the sections B1, B2, and B3.
- Notes:**
 - CONFIRM ALL TV LOCATIONS & HEIGHTS PRIOR TO INSTALLING ELECTRICAL / CABLE OUTLETS.
 - REFER TO DRAWING A3.0 FOR T-BAR CEILING SPECIFICATION.
 - CONTRACTOR TO PROVIDE 2" x 1/2" MDF FRAME FOR OWNER SUPPLIED, CONTRACTOR INSTALLED MURAL. FRAME TO BE PT-6 FINISH. CONFIRM EXACT SIZE OF THE MURAL WITH OWNER PRIOR TO FABRICATION. CONFIRM MOUNTING HEIGHT.
 - OWNER SUPPLIED CONTRACTOR INSTALLED MENU BOARD. CONTRACTOR TO CONFIRM LOCATION & DIMENSIONS OF MENU BOARD PRIOR TO INSTALLATION.
 - REFER TO DRAWING A3.0 FOR T-BAR CEILING SPECIFICATION.

1 INTERIOR ELEVATION

3 INTERIOR ELEVATION

TO DRAWING A3.0
BAR CEILING
LOCATION

B3

BB

BA

HATCHED AREA DENOTES
PL-1 ON ENTIRE BULKHEAD
FACE ON $\frac{1}{2}$ " MDF, ENSURE
ALL EDGES PL-1 FINISH

OWNER SUPPLIED CONTRACTOR
INSTALLED MENU BOARD.
CONTRACTOR TO CONFIRM LOCATION
& DIMENSIONS OF MENU BOARD
PRIOR TO INSTALLATION

REFER TO DRAWING A3.0
FOR T-BAR CEILING
SPECIFICATION

CONFIRM ALL TV
LOCATIONS & HEIGHTS
PRIOR TO INSTALLING
ELECTRICAL / CABLE
OUTLETS

10'-0"

+/- 21'-9"

6"

5'-0"

12'-6"

7'-0"

3'-6"

PT-

T.V.

PT-

T.V.

PT-

PT-6

VWC-2

VWC-2

8'-6"

SNEEZE GUARD
BY KITCHEN
CONSULTANT

INSULATED
S.S WALL
PANEL

ORDER DESK AND PASS
THROUGH. SEE
MILLWORK DRAWINGS

T-2 WALL TILE.
SEE DETAILS
ON A 5.0

DOOR TO
KITCHEN
BACK AREA
T-10

TRASH
RECEPTACLE.
SEE MILL WORK

DOOR TO
MECH.
ROOM

2 INTERIOR ELEVATION

This architectural cross-section drawing illustrates the interior of a storefront. The vertical height of the space is 22'-3". The ceiling is a T-bar system. The left side features a vertical column labeled B3, containing an FRP-1 panel and a VWC-2 panel. The right side features vertical columns labeled B2 and B1, with B2 containing a mural and B1 containing a TV. The floor consists of a grid pattern. The drawing shows existing storefront glazing and side doors. The interior includes booths by a furniture supplier, tables, and chairs. Various dimensions are indicated: 4'-0" on the left, 10'-0" from the bottom to the first floor level, 8'-6" from the bottom to the second floor level, and 12'-6" on the right. The drawing also includes labels for PT-, PT-6, VWC-2, T-10, and B1. A note at the top right specifies: "CONTRACTOR TO PROVIDE 1" x 1/2" MDF TRIM (ONE SIDE ONLY) OWNER SUPPLIED MURAL - PT-6 FINISH, CONTRACTOR TO INSTALL MURAL". A note at the top left specifies: "REFER TO DRAWING A3.0 FOR T-BAR CEILING SPECIFICATION". A note on the right specifies: "CONFIRM ALL LOCATIONS PRIOR TO INSTALLATION ELECTRICAL OUTLETS".

4 INTERIOR ELEVATION

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ELECTRICAL / MECHANICAL ENGINEERS



EMBE
Consulting Engineers Inc.



INTERICS

PROJECT

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

DRAWING TITLE

INTERIOR ELEVATIONS

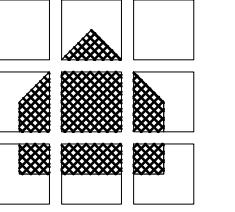
SCALE SEAL
AS NOTED
DATE
NOVEMBER /2023
DRAWN
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DRAWING NO.

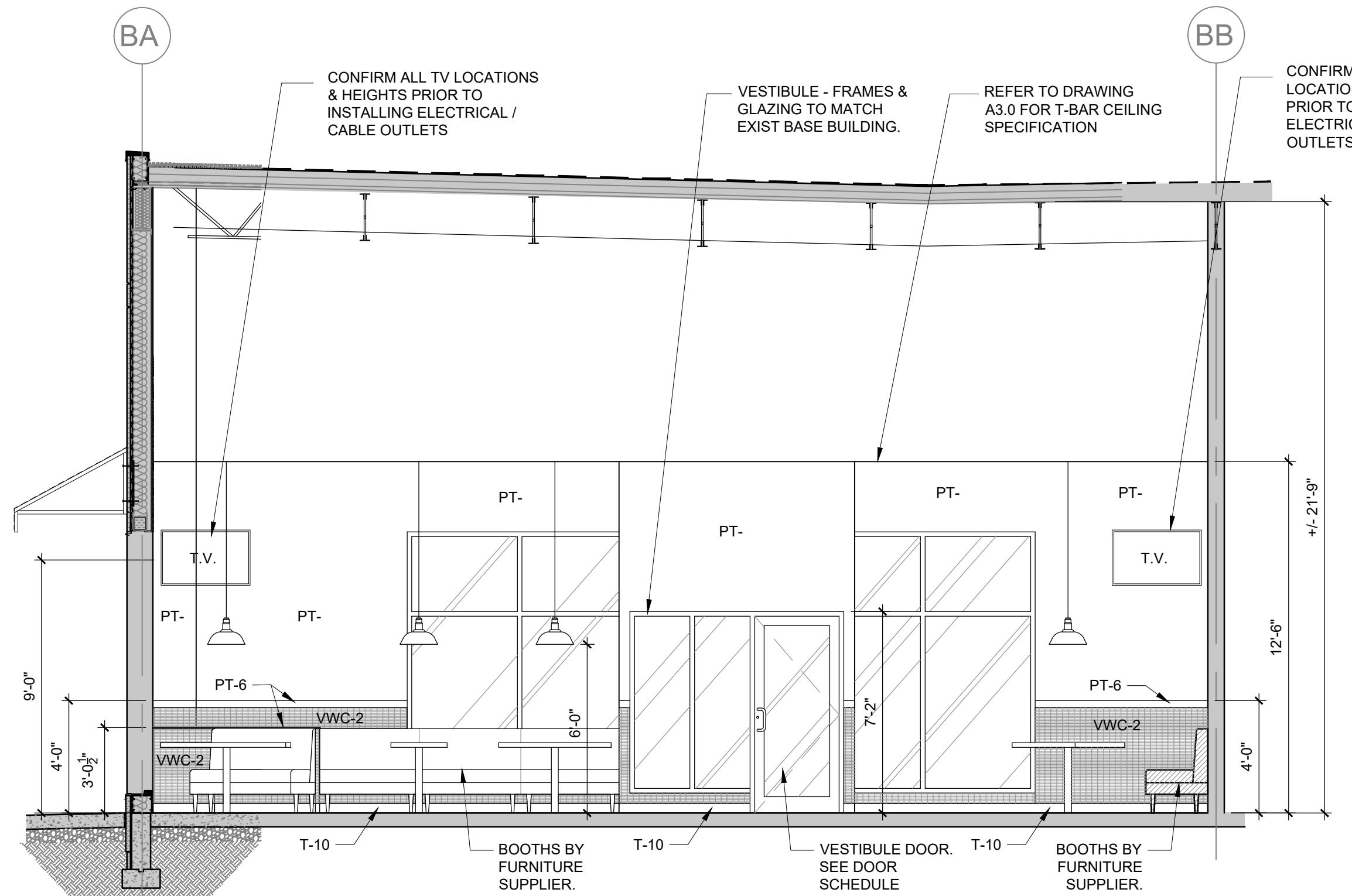
A6.0

BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



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A R C H I T E C T

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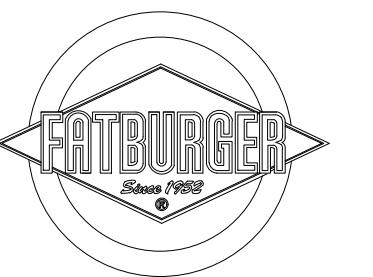


1 INTERIOR ELEVATION
A-6.1 SCALE: 1/4" = 1'-0"

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PROJECT
FATBURGER, CHILLIWACK MALL
UNIT # B1
45610 LUCKAKUCK WAY
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DRAWING TITLE
INTERIOR ELEVATIONS

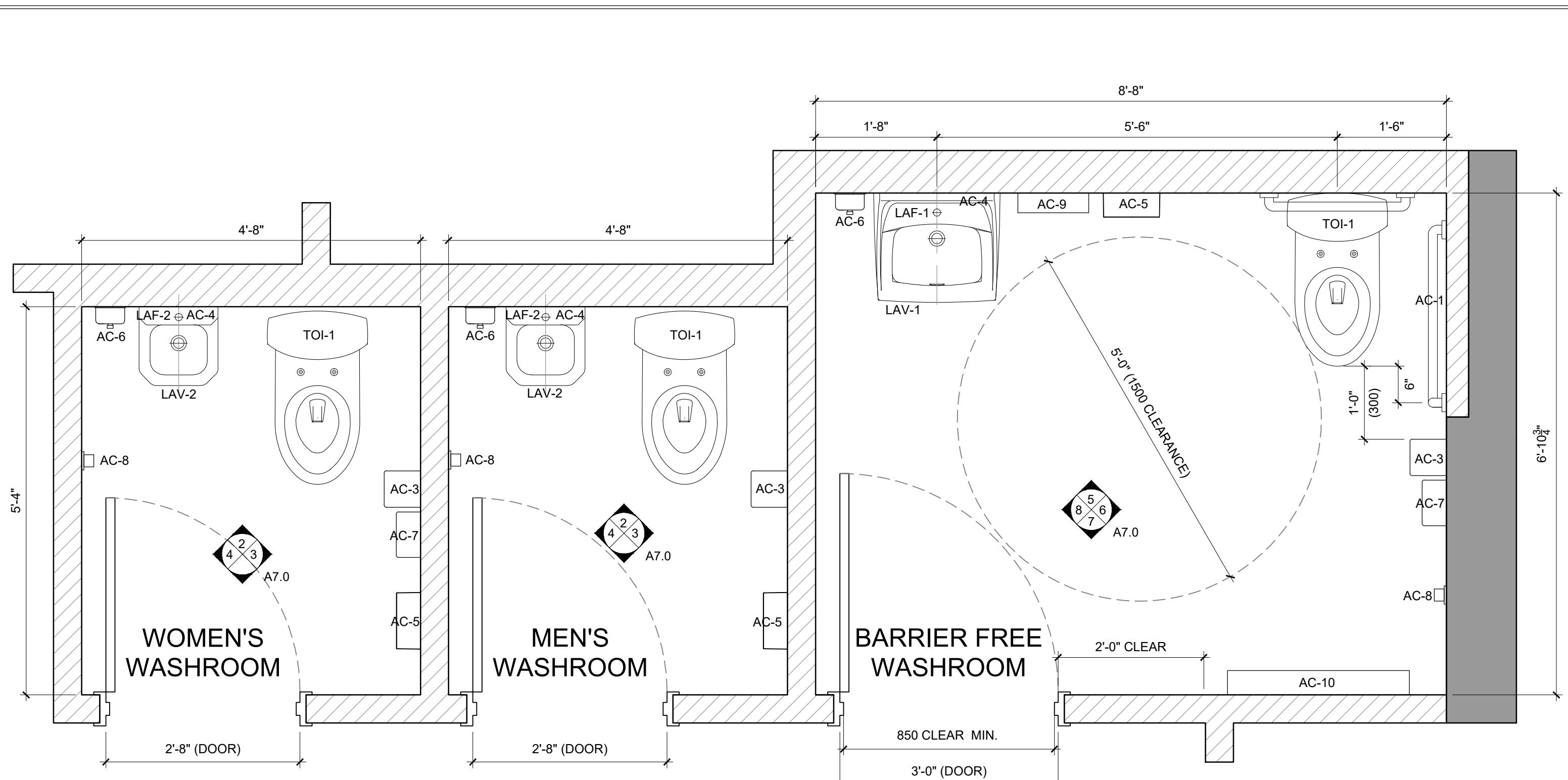
SCALE **SEAL**
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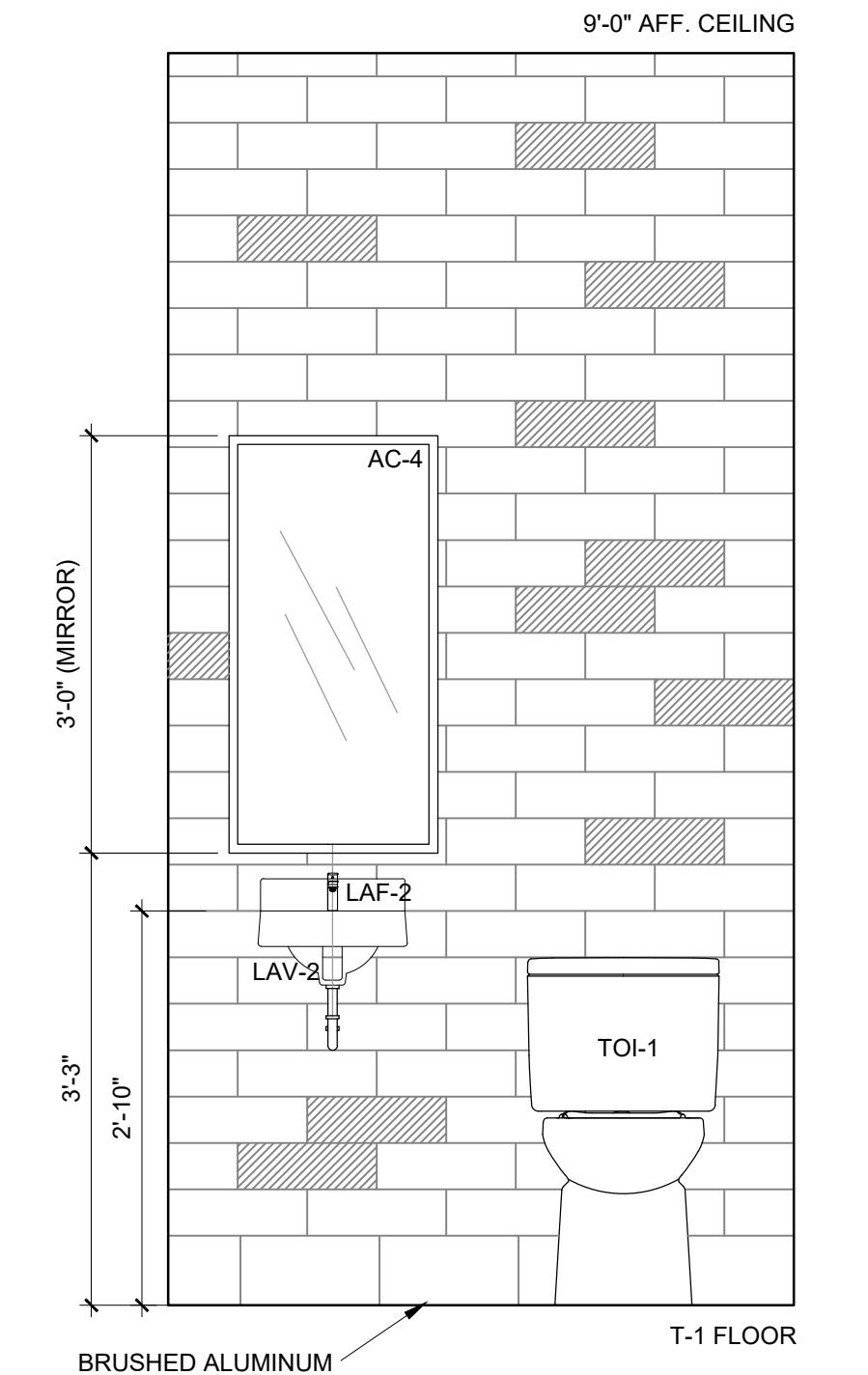
A6.1

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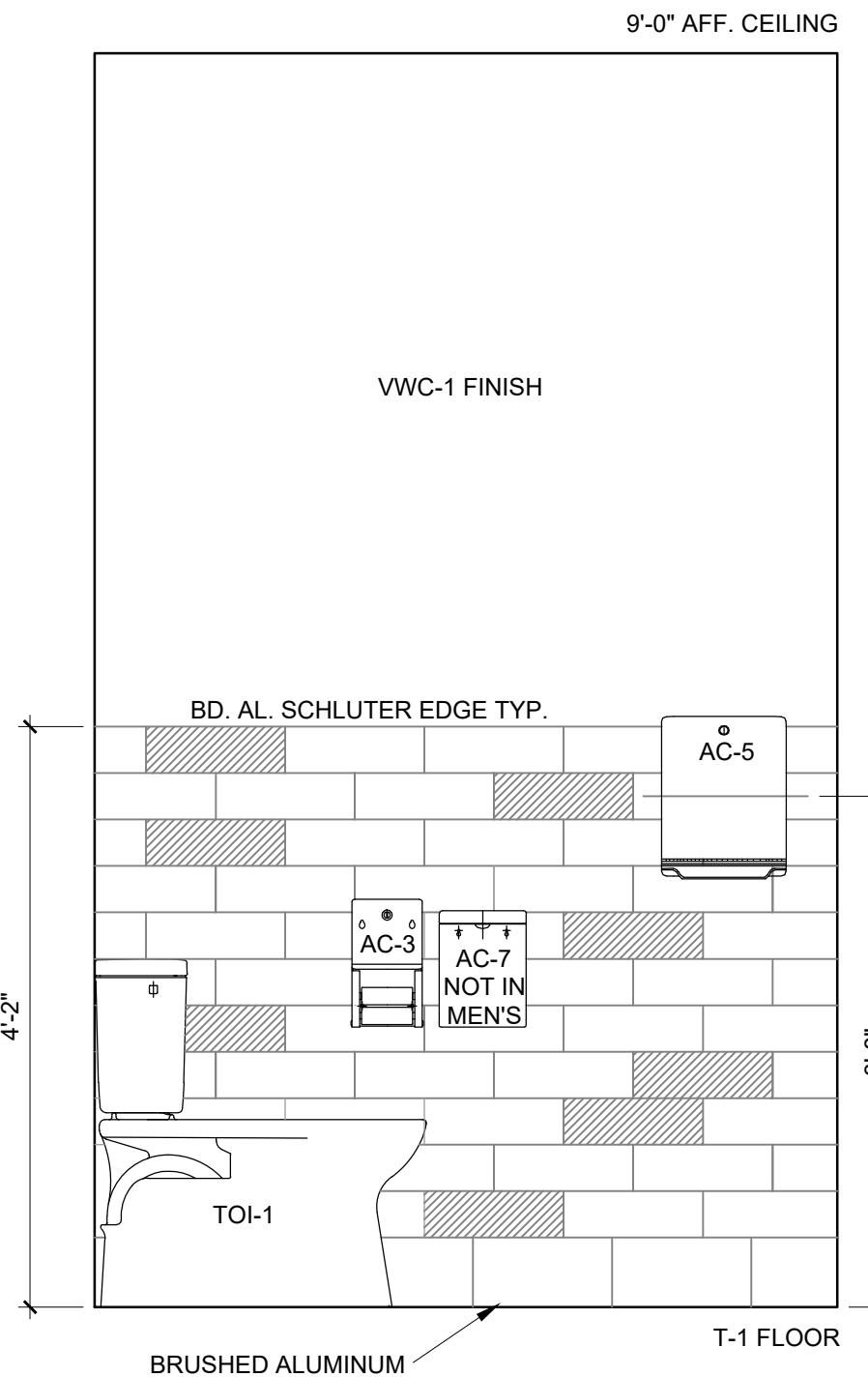
1 WASHROOM LAYOUT

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



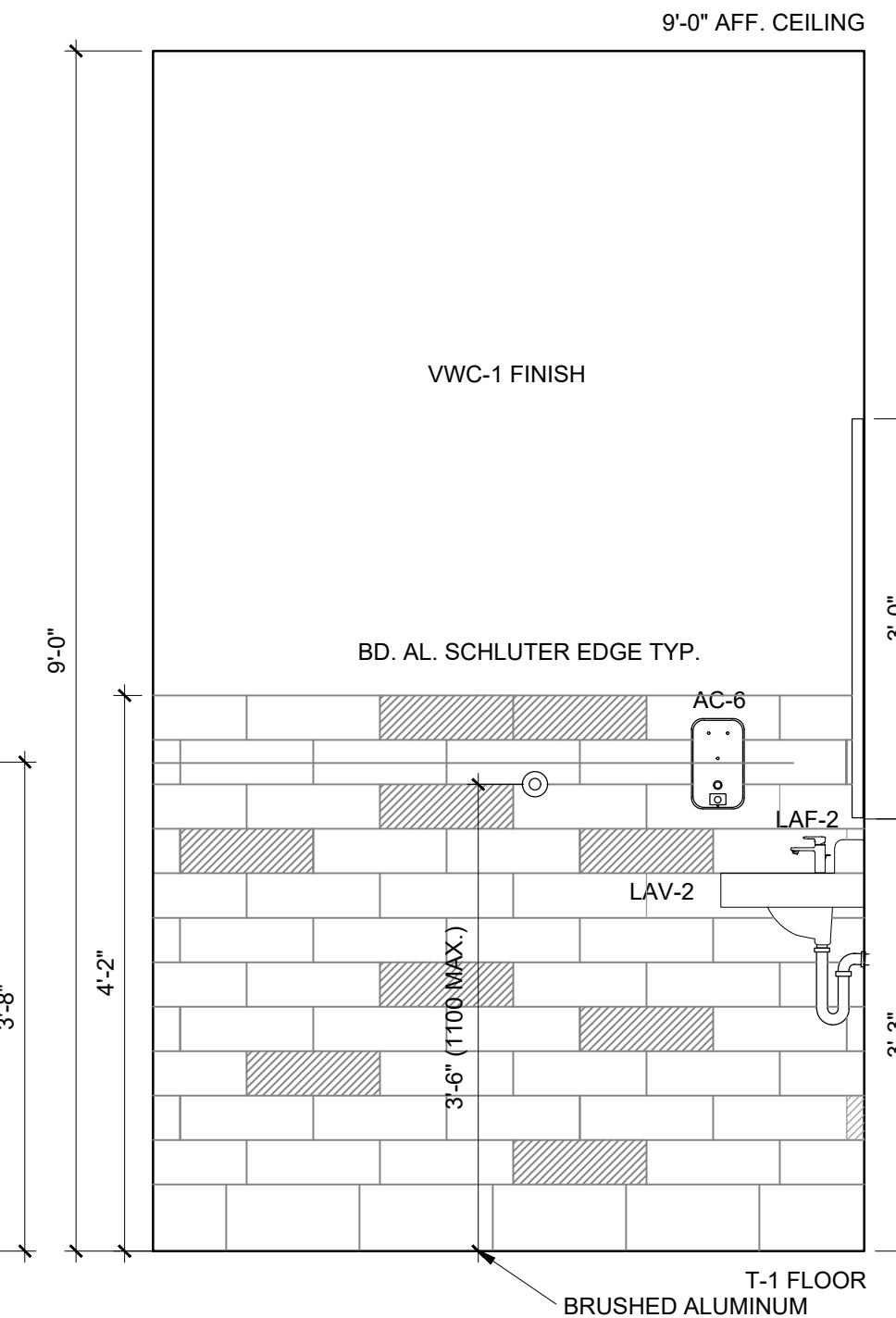
2 WASHROOM ELEV.
A-E-2 SCALE 1/4" = 1'-0"

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



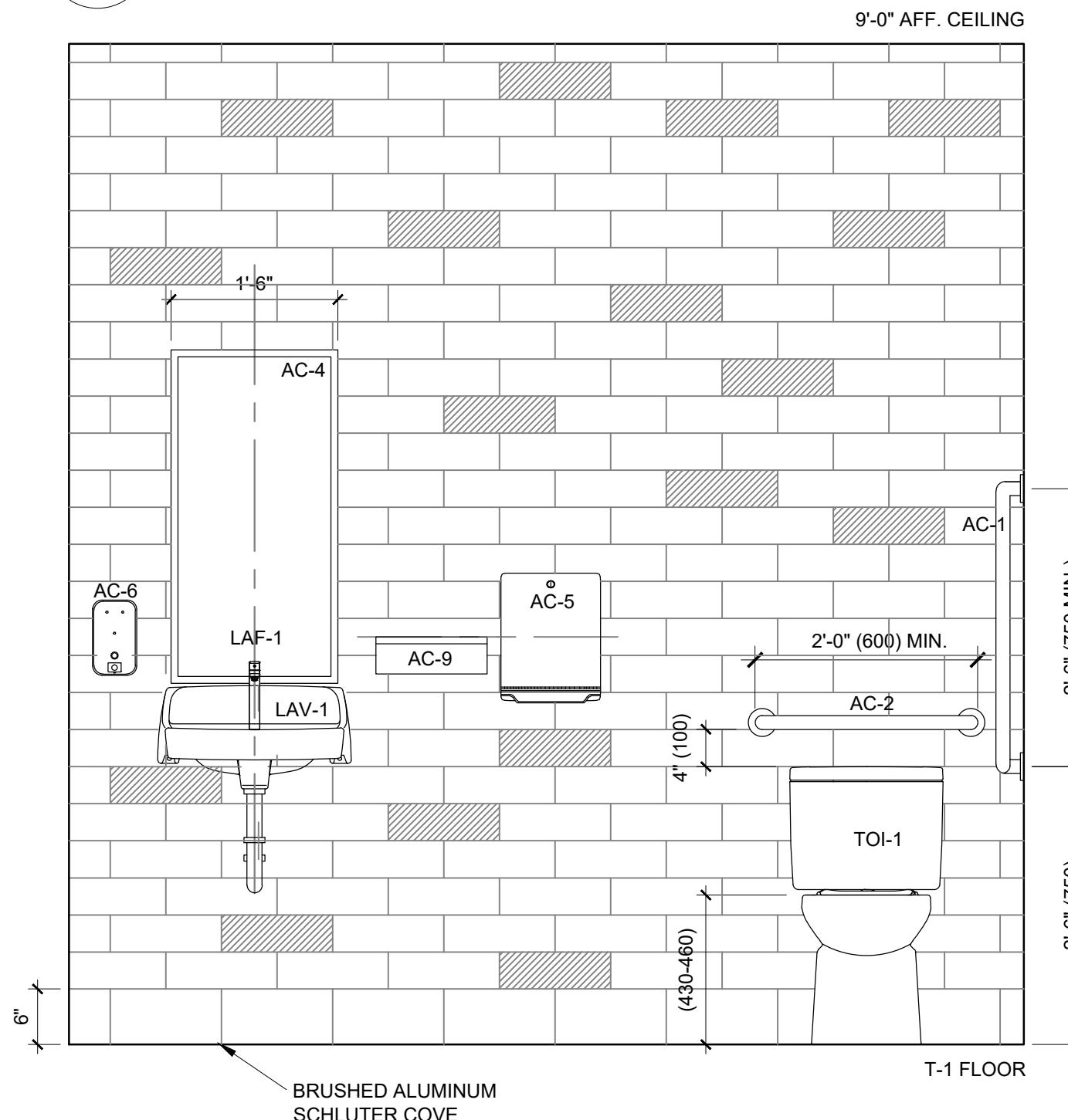
3 WASHROOM ELEV.

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



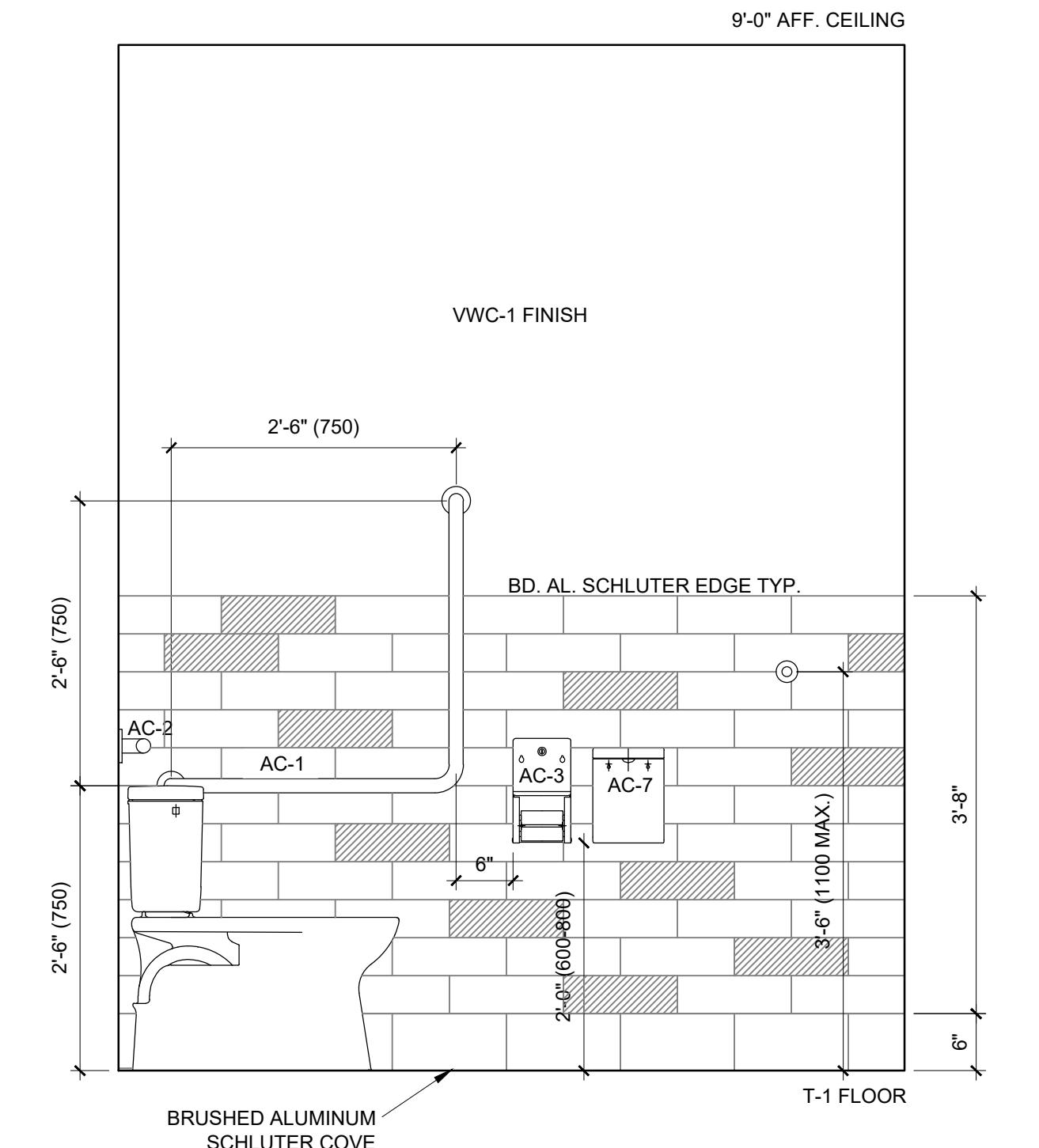
4 WASHROOM ELEV
15'-0" 3'-0" 10'-0"

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



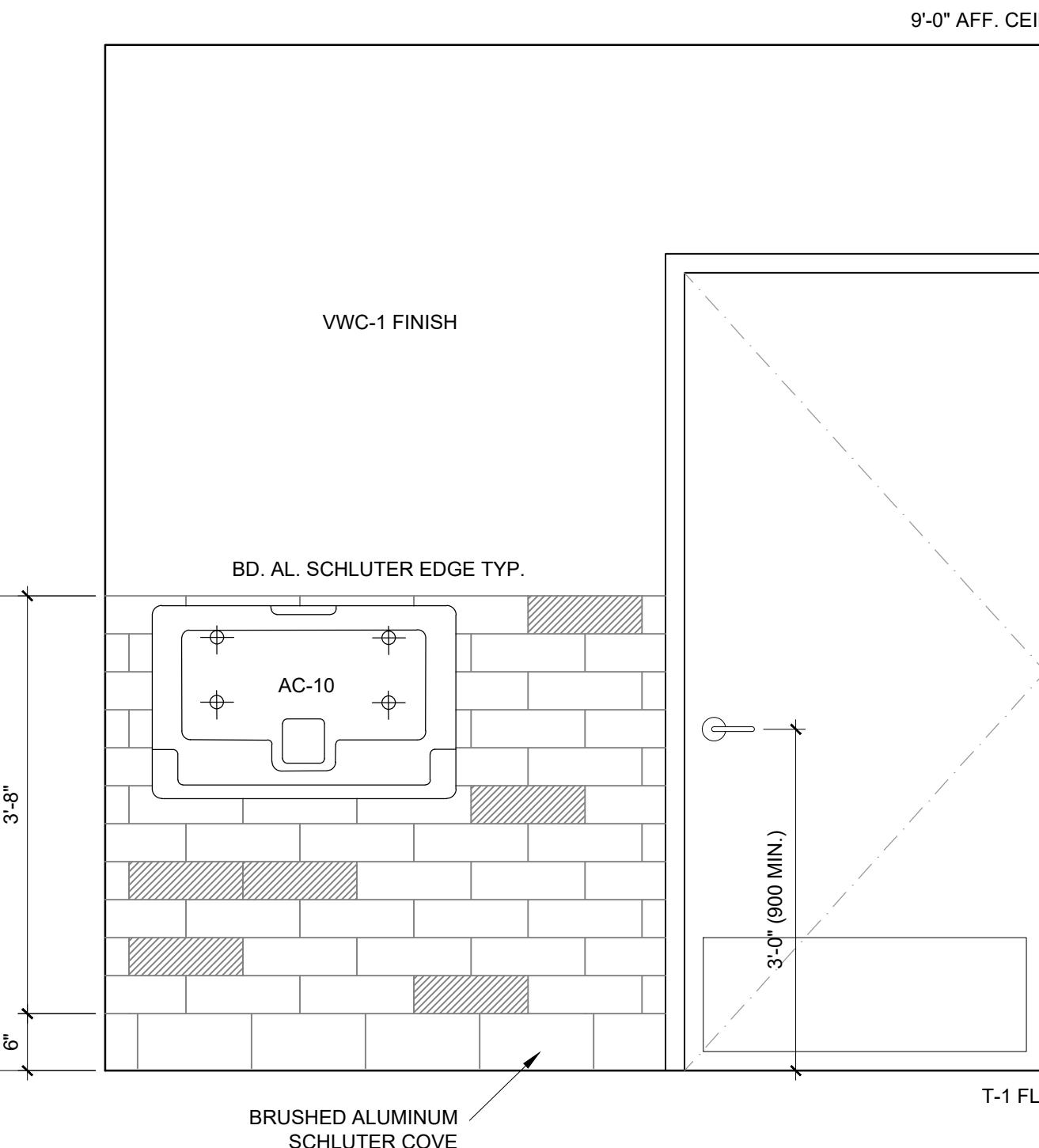
5 UNIVERSAL WC ELEV.

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



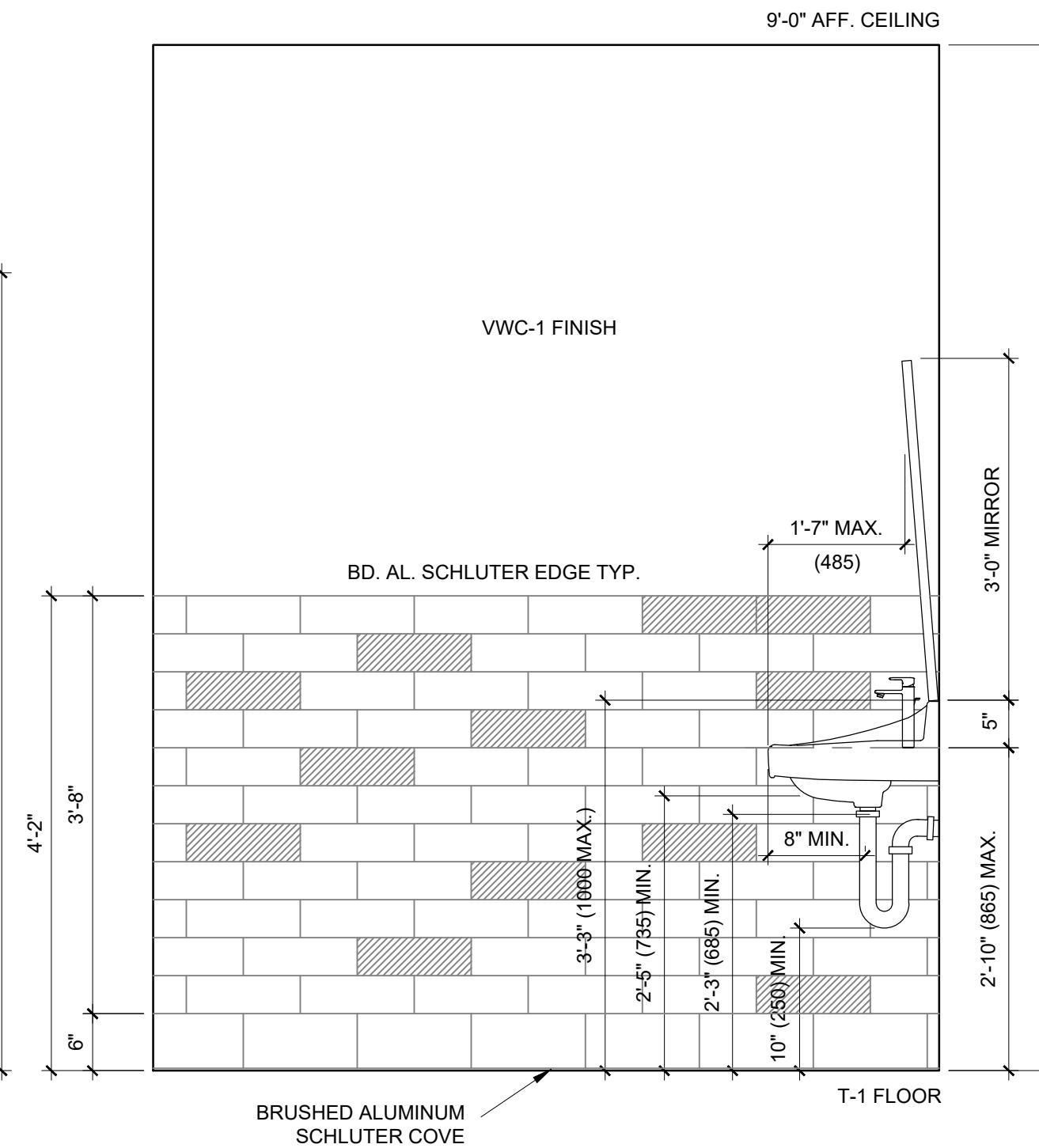
6 UNIVERSAL WC ELEV

A7.0 SCALE: 1/2"



7 UNIVERSAL WC ELEV

A7.0 SCALE: 1/2" =



8 UNIVERSAL WC ELEV.

A7.0 SCALE: 1/2" =

PLUMBING NOTES

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

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

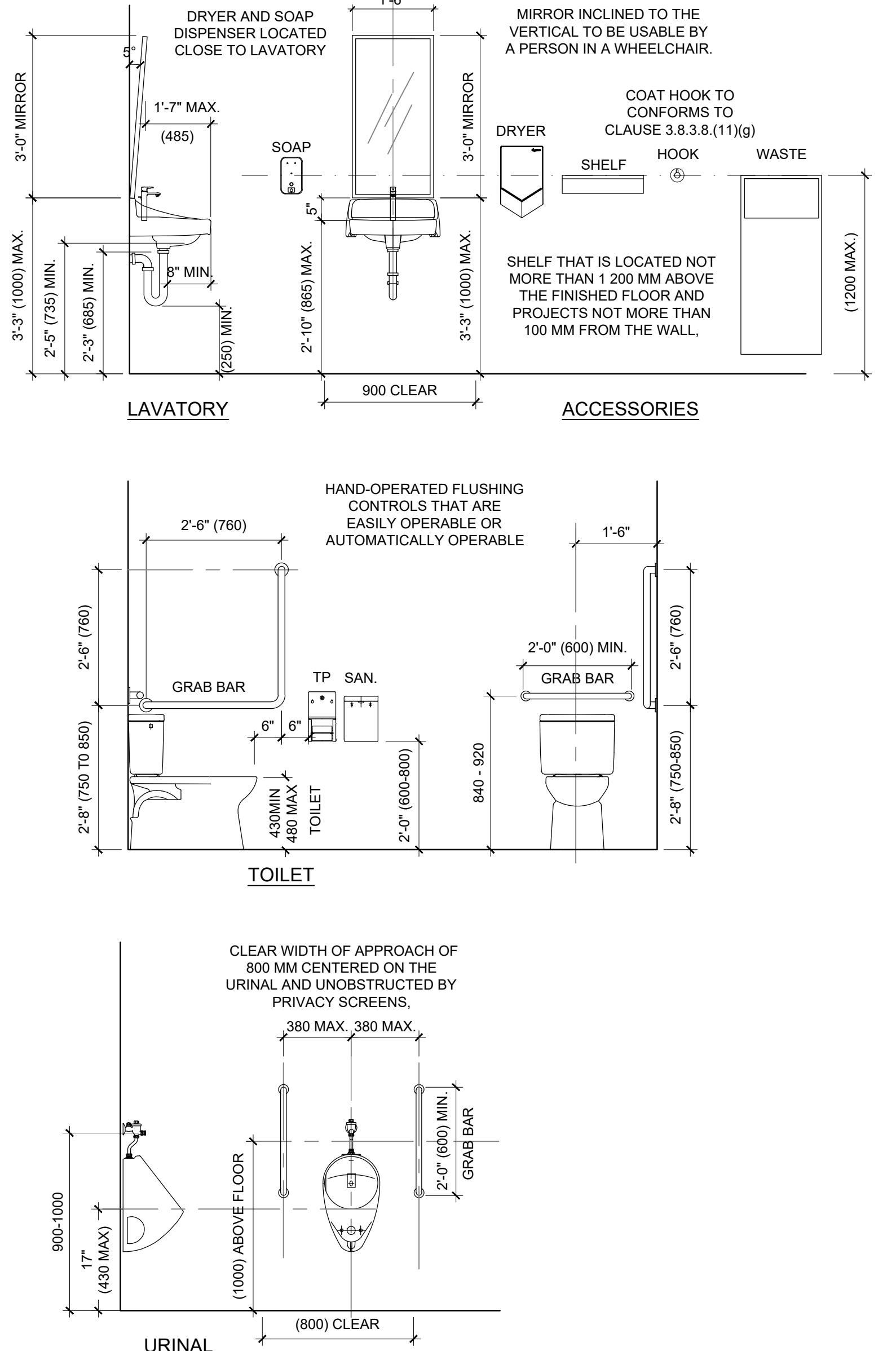
PLUMBING FIXTURES							
R	NEW	NO.	TYPE	SUPPLIER	DESCRIPTION	ETR	NEW
-	1	LAV-1	LAVATORY	TOTO	LT307 COTTON FINISH (TO CONFORM TO BCBC 3.8.3.15)	-	1
-	1	LAF-1	LAVATORY FAUCET	SLOAN	SENSOR FAUCET SF-2100 (POLISHED CHROME)	-	1
-	3	LAV-2	LAVATORY	TOTO	TBC	-	2
-	3	LAF-2	LAVATORY FAUCET	SLOAN	TBC (POLISHED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

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DRAWING NO.

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BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



1 TYPICAL WASHROOM ELEVATIONS
A7.1

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

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 1200 MM ABOVE THE FLOOR,
 - b) BE ADJACENT TO AND CENTRED ON EITHER THE LENGTH OR THE WIDTH OF A CLEAR FLOOR SPACE OF 1350 MM BY 800 MM, AND
 - c) BE OPERABLE
 - i) WITH ONE HAND IN A CLOSED FIST POSITION, WITHOUT REQUIRING TIGHT GRASPING, PINCHING
 - ii) WITH FINGERS, OR TWISTING OF THE WRIST, AND 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).)
- g) 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
- h) BE EQUIPPED WITH A TOILET PAPER DISPENSER MOUNTED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET SUCH THAT
- i) THE BOTTOM OF THE DISPENSER IS 600 MM TO 800 MM ABOVE THE FLOOR, AND
- ii) 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
 - i) HAS A LATCH-OPERATING MECHANISM LOCATED 900 MM TO 1100 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
 - ii) 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 1100 MM ABOVE THE FLOOR (SEE NOTE A-3.8.3.11.(1)(C)(V)).
 - c) HAVE ONE LAVATORY AND ONE MIRROR CONFORMING TO ARTICLE 3.8.3.15.
 - d) 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,
 - e) HAVE GRAB BARS CONFORMING TO CLAUSES 3.8.3.11.(1)(E) AND (F),
 - f) HAVE A COAT HOOK CONFORMING TO CLAUSE 3.8.3.11.(1)(G),
 - g) 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 HAVE A CLEAR FLOOR SPACE OF NOT LESS THAN
 - i) 3.7 M² WITH NO DIMENSION LESS THAN 1700 MM WHEN THE DOOR SWINGS OUT, AND
 - ii) 4.0 M² WITH NO DIMENSION LESS THAN 1800 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
 - i) IS LOCATED 500 MM TO 900 MM ABOVE THE FLOOR,
 - ii) IS LOCATED NOT MORE THAN 350 MM FROM THE TRANSFER SIDE, AND COMPLETES 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,
 - c) BE EQUIPPED WITH A SEAT LID OR OTHER BACK SUPPORT, AND WHERE IT HAS A TANK, HAVE A SECURELY ATTACHED TANK TOP.
 - d) (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
 - i) IS AUTOMATIC, OR
 - ii) COMPLETES WITH CLAUSE 3.8.3.8.(1)(C) AND IS LOCATED 900 MM TO 1100 MM ABOVE THE FLOOR, AND
 - f) HAVE A VERTICALLY MOUNTED GRAB BAR INSTALLED ON EACH SIDE THAT
 - i) COMPLETES WITH ARTICLE 3.7.2.8.,
 - ii) IS NOT LESS THAN 600 MM LONG, WITH ITS CENTRE LINE 1000 MM ABOVE THE FLOOR, AND
 - iii) IS LOCATED NOT MORE THAN 380 MM FROM THE CENTRE LINE OF THE URINAL.

3.8.3.15. LAVATORIES AND MIRRORS

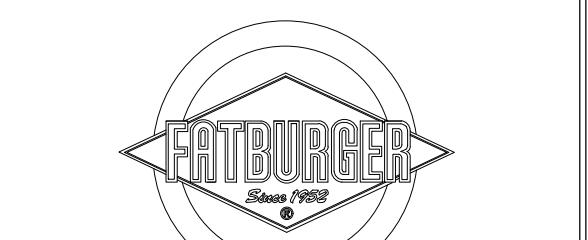
- 1) LAVATORIES REQUIRED BY SENTENCE 3.8.2.8.(7) SHALL
 - a) BE EQUIPPED WITH FAUCETS COMPLYING WITH SENTENCE 3.7.2.3.(4),
 - b) BE LOCATED TO PROVIDE A CLEAR FLOOR SPACE IN FRONT OF THE LAVATORY OF NOT LESS THAN 920 MM WIDE BY 1350 MM DEEP CENTERED ON THE LAVATORY,
 - c) HAVE A RIM HEIGHT NOT MORE THAN 865 MM ABOVE THE FLOOR,
 - d) HAVE A CLEARANCE BENEATH THE LAVATORY NOT LESS THAN 760 MM WIDE,
 - ii) 735 MM HIGH AT THE FRONT EDGE,
 - iii) 685 MM HIGH AT A POINT 250 MM BACK FROM THE FRONT EDGE, AND
 - iv) 250 MM HIGH TO A POINT 500 MM BACK FROM THE FRONT EDGE, (SEE NOTE A-3.8.3.15.(1)(D))
 - e) HAVE INSULATED WATER SUPPLY AND DRAIN PIPES WHERE THESE PIPES ARE EXPOSED (SEE NOTE A-3.8.3.15.(1)(E)).
 - f) HAVE A SOAP DISPENSER THAT
 - i) IS AUTOMATIC, OR
 - ii) COMPLETES 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))
 - g) 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.

J.P. SAUTER
A R C H I T E C T
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		

ELECTRICAL / MECHANICAL ENGINEERS
EMBE
Consulting Engineers Inc.
121 15th AVENUE SE, CALGARY, AB T2C 1G1
403-460-2277 | info@embeconsulting.ca

KITCHEN CONSULTANT
Bargreen Ellingson Canada
1040 Park Street,
Vancouver, BC V6A 4B9
778-452-2430
www.bargreen.com



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

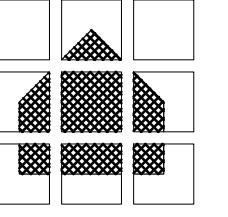
PROJECT
FATBURGER, CHILLIWACK MALL
UNIT # B1
45610 LUCKAKUCK WAY
CHILLIWACK, BC V2R 1A2

DRAWING TITLE
BARRIER FREE DETAILS
NOTES
SCALE
AS NOTED
DATE
NOVEMBER /2023
DRAWN
OR & PPL
CHECKED
JPS
PROJ. NO
2023-77
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BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



J.P. SAUTER A R C H I T E C T

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

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121 15th AVENUE SE, CALGARY, AB, T2G 1G1
403.460.2277 | info@ambacoconsulting.ca

403-460-2277 | info@embeconsulting.ca

KITCHEN CONSULTANT

Bargreen Ellingson Canada

1040 Parke Street,
Vancouver, BC V6A 4B9

778-452-2430

www.bargreen.com



INTERICS

WALL SECTIONS

SCAIE SFAI

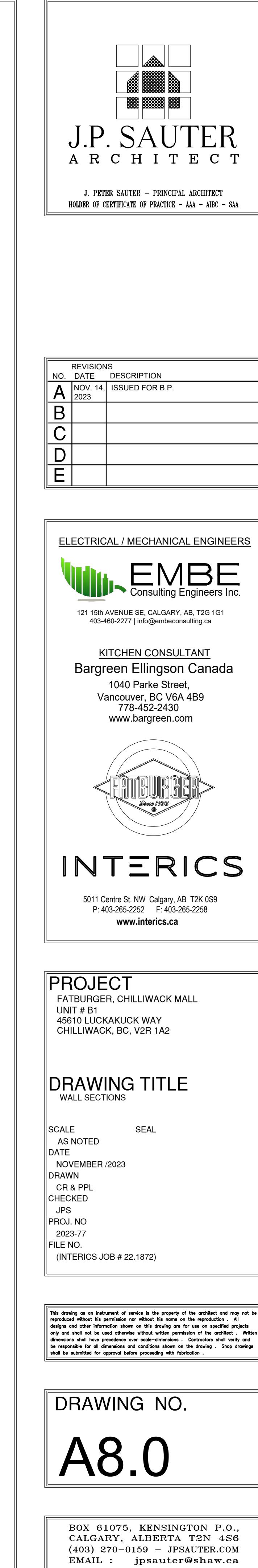
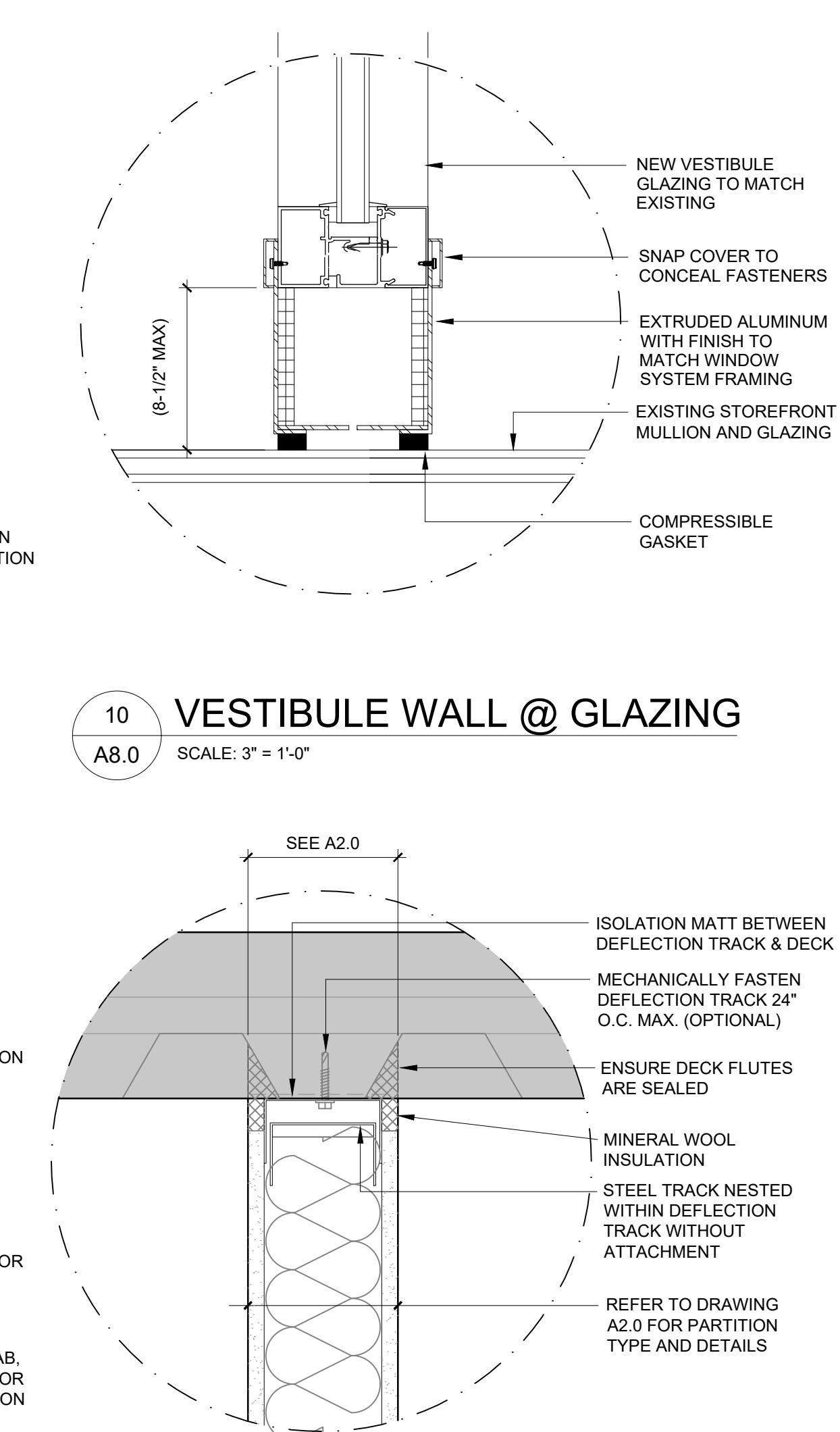
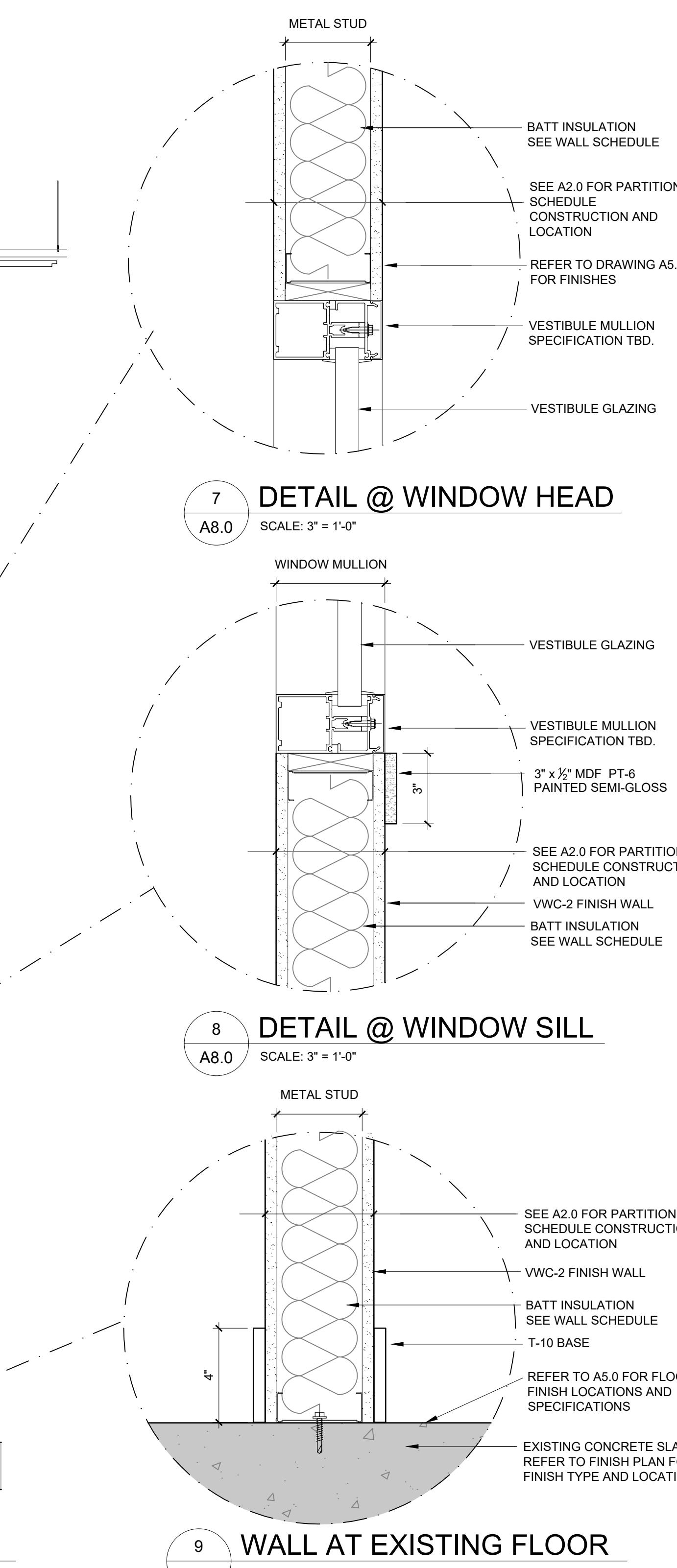
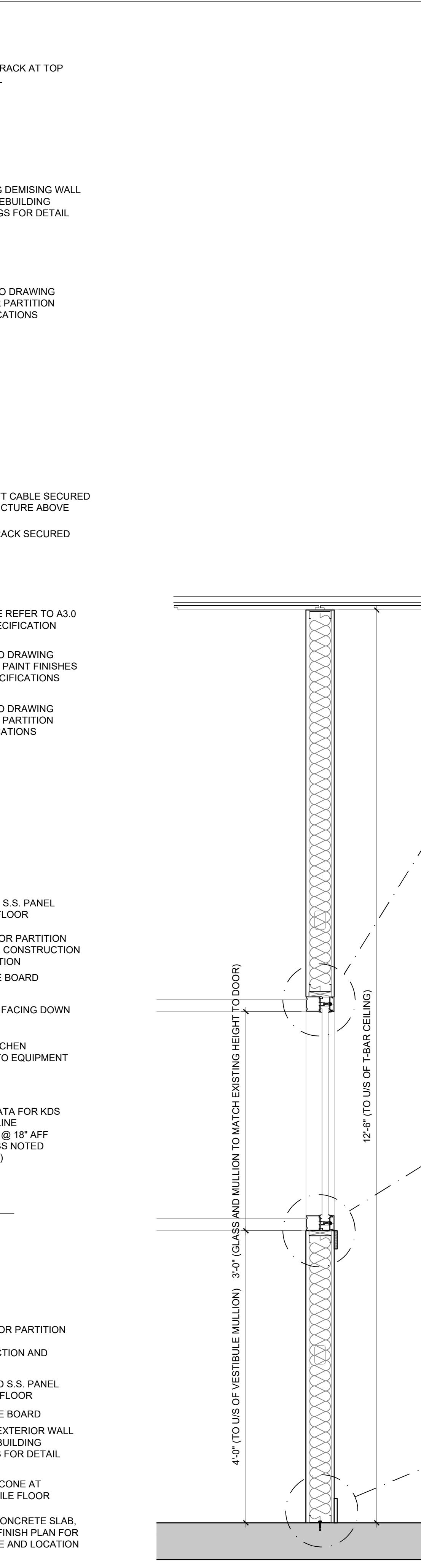
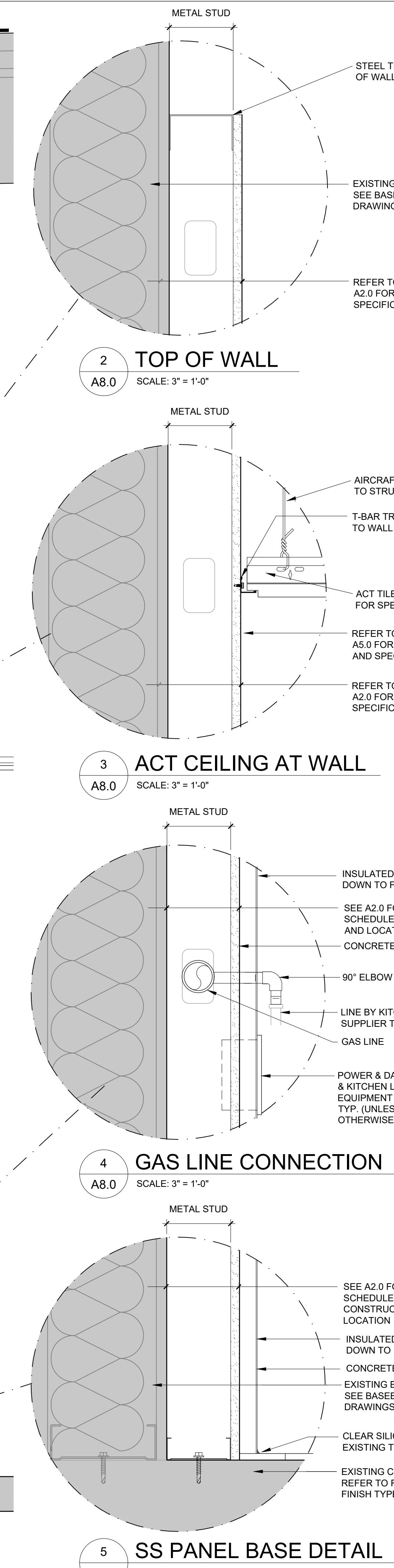
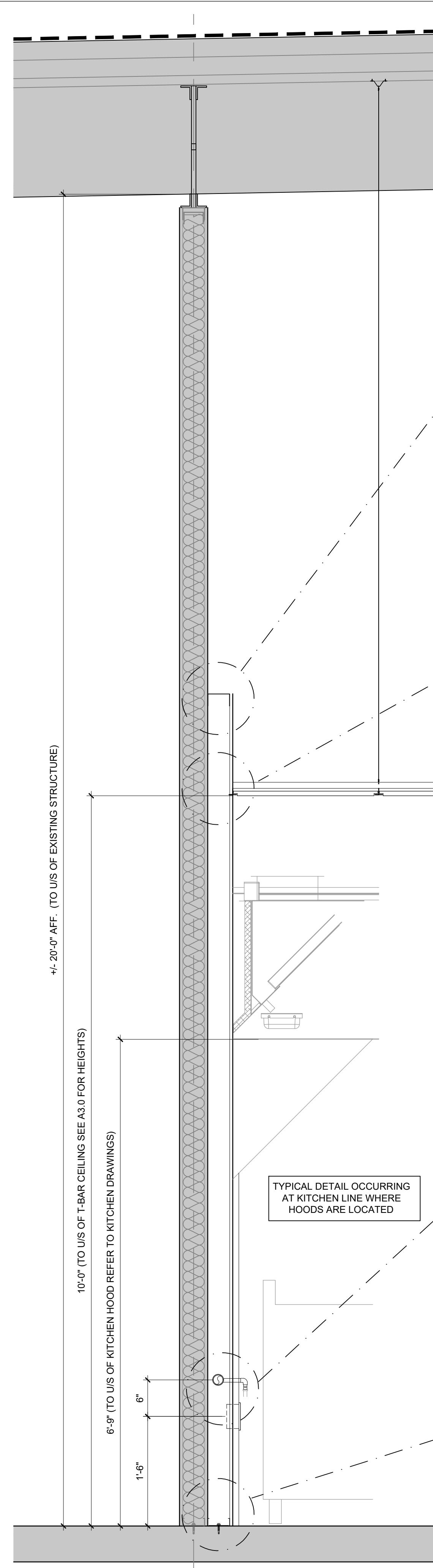
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BOX 61075, KENSINGTON P.O.,
CALGARY, ALBERTA T2N 4S6
(403) 270-0159 - JPSAUTER.COM
EMAIL : jpsauter@shaw.ca



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
	1x4 LUMINAIRE, TYPE XX	SEE SCHEDULE	RECESSED
	2x2 LUMINAIRE, TYPE XX	SEE SCHEDULE	RECESSED
	2x4 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° AEF
	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 SERIES	WALL, 45in/1150mm
	VARIABLE SPEED SWITCH	ACUTY GR2400 CHELSEA DIGITAL SWITCH CHB-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/15A (5-15RA)	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
	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 - 120V/15A (5-15RA)	LEVITON SMARTLOCK SERIES, WHITE	12in/305mm OR AS NOTED
	TAMPER PROOF RECEPTACLE - 120V/15A	LEVITON AFT1 SERIES	12in/305mm OR AS NOTED
	TAMPER PROOF RECEPTACLE - 120V/20A	LEVITON AFT1 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		CEILING
	THERMOSTAT		WALL MOUNTED
	CEILING FAN		CEILING
	RADIANT HEATER		WALL MOUNTED
	BASEBOARD HEATER	OUTLET SERIES	WALL MOUNTED
	FORCE FLOW HEATER	OUTLET 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
	FIRE ALARM ANNUNCIATOR PANEL	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM SMOKE DETECTOR	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM HEAT DETECTOR	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM COMBINATION HEAT/SMOKE DETECTOR	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM RELAY DEVICE	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM MANUAL PULL STATION	45in/1150mm
	FIRE ALARM COMBINATION HORN/STROBE 15cd UNLESS OTHERWISE INDICATED	84in/2134mm
	FIRE ALARM STROBE 15cd UNLESS OTHERWISE INDICATED	84in/2134mm
	FIRE ALARM HORN	84in/2134mm
	LOW TEMPERATURE SENSOR	HONEYWELL T-1000
	FIRE ALARM SPEAKER 1W UNLESS OTHERWISE INDICATED	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM COMBINATION SPEAKER STROBE 1W/15cd UNLESS OTHERWISE INDICATED	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	84in/2134mm
	FIRE ALARM BELL	84in/2134mm
	MINI SUITE HORN c/w SILENCE	SIMPLEX OR APPROVED EQUIVALENT
	SMOKE ALARM c/w INTEGRAL CO ALARM	SIMPLEX OR APPROVED EQUIVALENT
	FIRE ALARM ISOLATION MODULE (SEE FLOOR PLAN FOR NUMBERING)	SIMPLEX OR APPROVED EQUIVALENT
	EMERGENCY FIRE PHONE	SIMPLEX OR APPROVED EQUIVALENT
	CO ALARM	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
	BU	

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 INSPECTION. CONTRACTOR MUST NOTIFY 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.

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.

ELECTRICAL / MECHANICAL ENGINEERS

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



2023-11-14

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 LUCKUCK WAY, CHILLWACK, BC

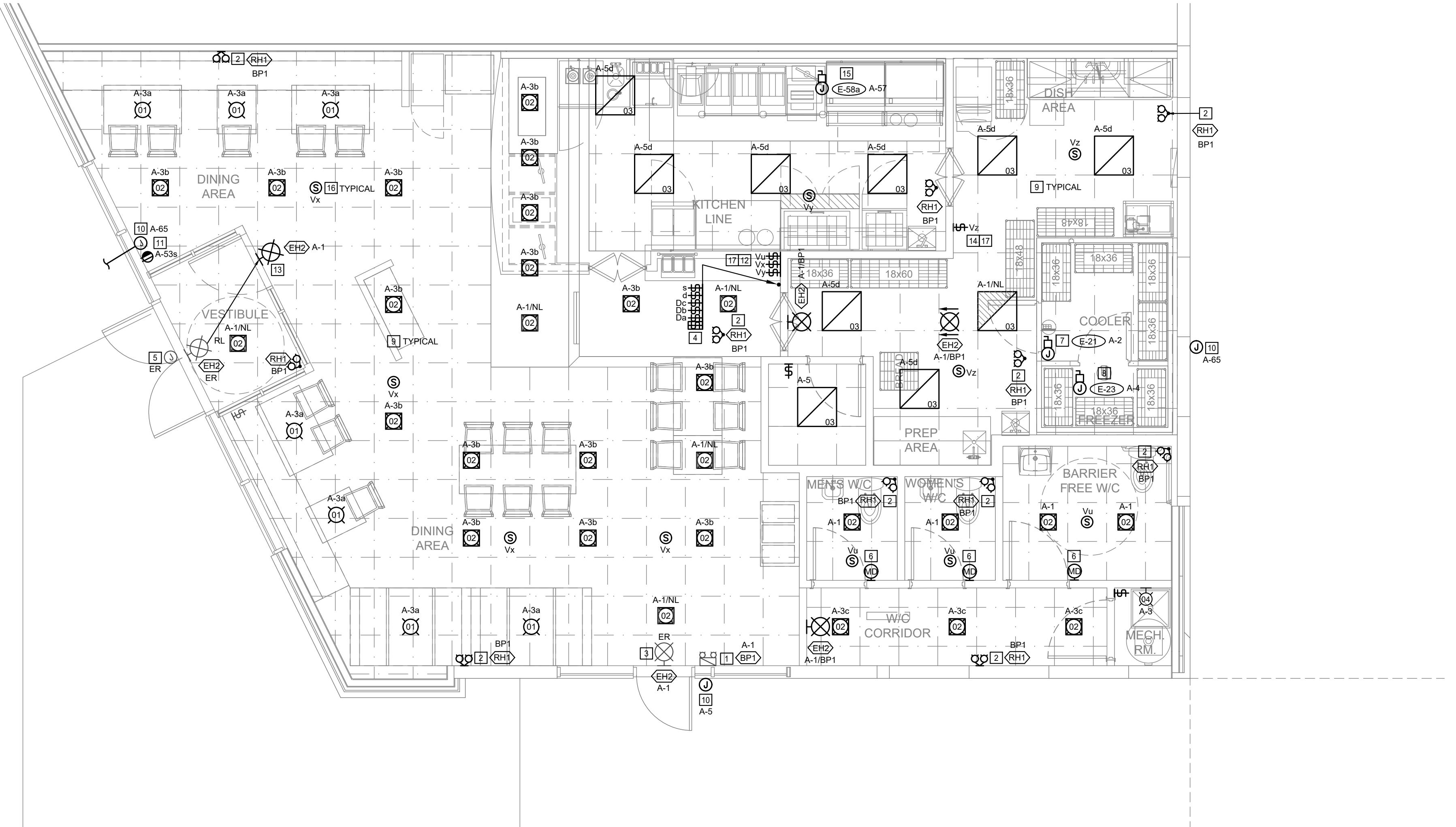
DRAWING TITLE

FLOOR PLAN - LIGHTING

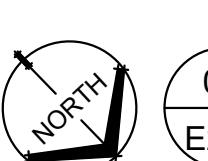
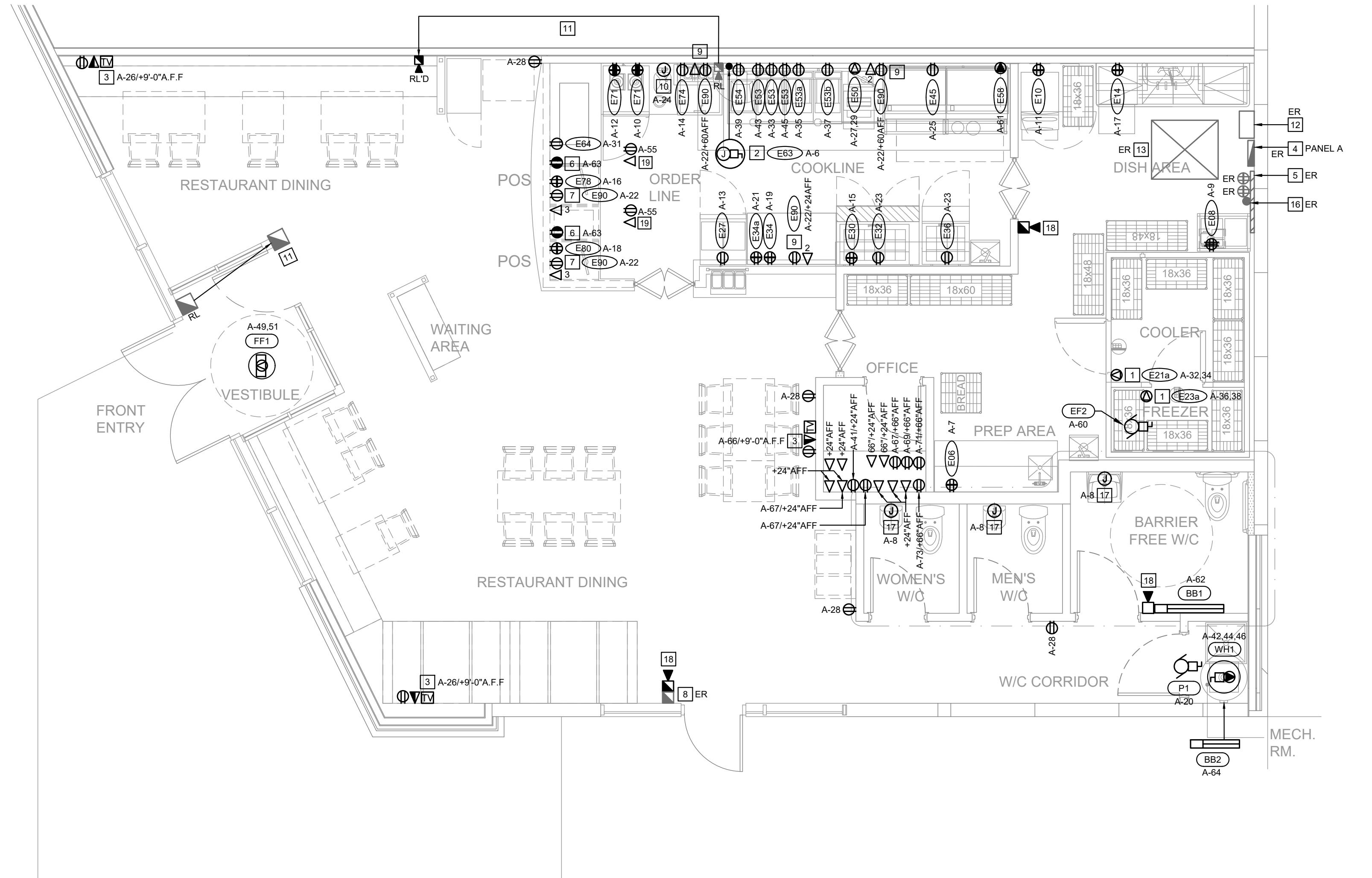
DATE JUNE 2023
SCALE AS NOTED
DRAWN BY
PROJECT NO. 22290

DRAWING NO. E101

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



NORTH
01 FLOOR PLAN - LIGHTING
E101
SCALE: 1/4" = 1' - 0"



01
E201

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

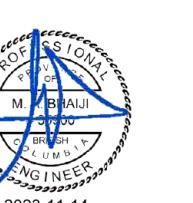
GENERAL NOTES

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING TENDER PRICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTOR'S 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. CONDUCTOR SIZES INDICATED IS MINIMUM REQUIRED. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.
4. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT MOUNTING DETAILS.
5. CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWING AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.
6. ALL NEW FIRE ALARM DEVICES SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. FINISH 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.
7. CONTRACTOR TO CONFIRM ALL KITCHEN EQUIPMENT SPECIFICATIONS AND MOUNTING HEIGHTS WITH ID DRAWING AND KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.

POWER & AUXILIARY NOTES

1. COORDINATE WALK-IN COOLER/FREEZER ELECTRICAL REQUIREMENTS WITH SUPPLIER. CONFIRM RECEPTACLE LOCATION AND MOUNTING HEIGHT WITH SHOP DRAWING PRIOR TO ROUGH IN.
2. PROVIDE JUNCTION BOX WITH DISCONNECT FOR HOOD FIRE SUPPRESSION SYSTEM. INTERLOCK WITH THE CIRCUITS OF ALL EQUIPMENT 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.
3. PROVIDE POWER & REQUIRED TV OUTLETS AT 9'-0" A.F.F. CONFIRM LOCATION, HEIGHT AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN.
4. 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.
5. EXISTING TELEPHONE TERMINAL BOARD TO REMAIN. CONTRACTOR TO PULL 25-PARS CAT6 COMMUNICATION CABLE FROM BASE BUILDING TTB. ALL DATA CONNECTIONS ARE TO TERMINATE AT THIS LOCATION. UTILIZE EXISTING CONDUIT IF FEASIBLE. OTHERWISE PROVIDE NEW.
6. PROVIDE ISOLATED GROUND RECEPTACLE. COORDINATE LOCATION WITH MILLWORK SUPPLIER.
7. 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.
8. EXISTING FIRE ALARM DEVICES TO REMAIN.
9. 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.
10. PROVIDE JUNCTION BOX FOR TRAP PRIMER. CONFIRM EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
11. EXISTING FIRE ALARM DEVICE(S) TO BE RELOCATED.
12. EXISTING 600V DISCONNECT SWITCH WITH SPLITTER TO REMAIN. CONFIRM ON SITE.
13. EXISTING TRANSFORMER MOUNTED IN CEILING SPACE TO REMAIN. CONFIRM ON SITE.
14. NOT USED
15. NOT USED
16. EXISTING TELECOM STUB UP TO REMAIN.
17. PROVIDE JUNCTION BOX BELOW SINK FOR AUTOMATIC FAUCET.
18. PROVIDE NEW FIRE ALARM DEVICES AS INDICATED. INTERLOCK WITH EXISTING SIGNALING CIRCUIT AND FIRE ALARM PANEL. VERIFY NEW DEVICE.
19. PROVIDE POWER AND DATA IN THE ACCESS PANEL FOR THE RECESSED TV. POWER TO BE PROVIDED FROM THE REAR SIDE OF THE BULKHEAD. CONFIRM LOCATION, HEIGHT AND REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO ROUGH IN.

ELECTRICAL / MECHANICAL ENGINEERS
EMBE
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FATBURGER CHILLWACK
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE

FLOOR PLAN - POWER & AUXILIARY

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

DRAWING NO. E201

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 INSPECTION. CONTRACTOR MUST 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.

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.

ELECTRICAL / MECHANICAL ENGINEERS



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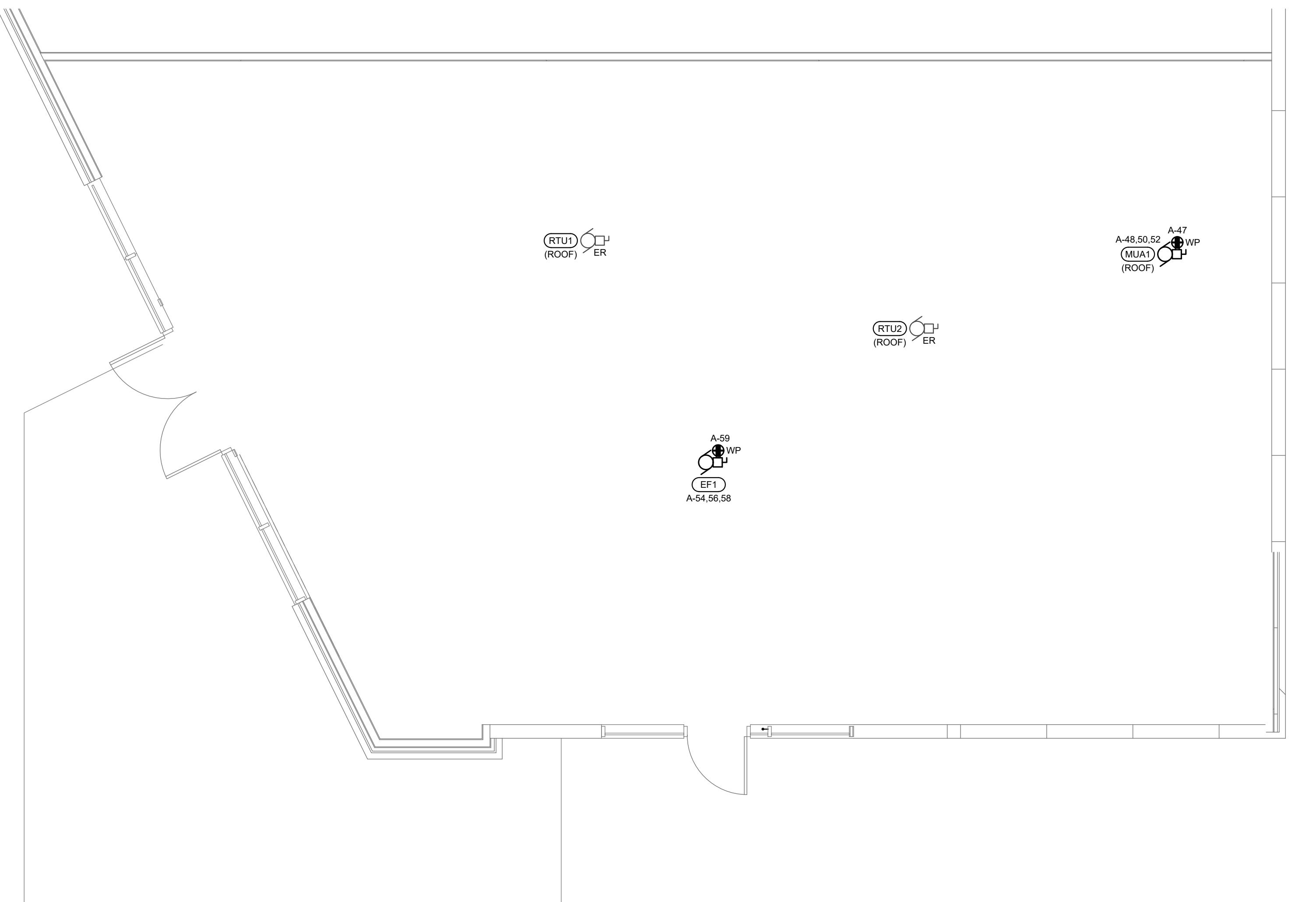
DRAWING TITLE

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
www.interics.ca



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

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 SIGHT CHECK. CONTRACTOR IS RESPONSIBLE FOR 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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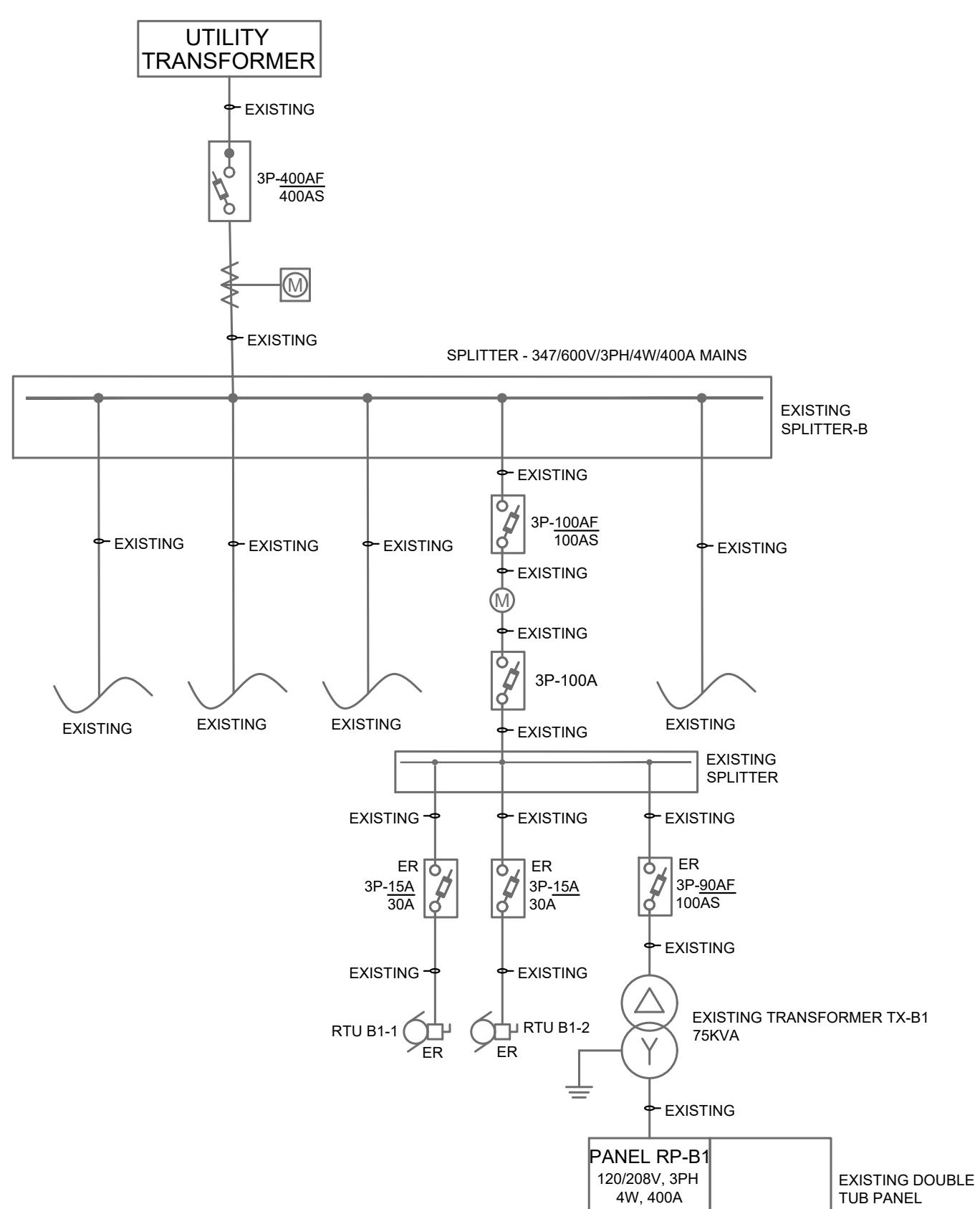
DRAWING TITLE

ELECTRICAL
SCHEDULES & DETAILS

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

DRAWING NO. E401

INTERICS
5011 Centre St. N.W. Calgary, AB T2K 0S9
P: 403-266-2252 F: 403-266-2258
www.interics.ca



SINGLE LINE SYMBOL LEGEND	
SYMBOL	DESCRIPTION
PANEL XX 120/208V 225A BUS	PANEL. SEE PANEL SCHEDULE FOR EXACT REQUIREMENTS.
Δ Y	DELTA/WYE CLASS H TRANSFORMER CW 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.
× XXXKA	CALCULATED AVAILABLE FAULT CURRENT
↔ XXX	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 LAMINOID LABELS ON ALL EQUIPMENT INDICATING SUCH RATING.
- 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	CON 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		15A	REFRIGERATION *	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 - OIH 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		2P	1500W	1141W			-	MAKE-UP AIR UNIT *	50	115	SPARE		0W	0W			SPARE	116
51	FF1 *	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														

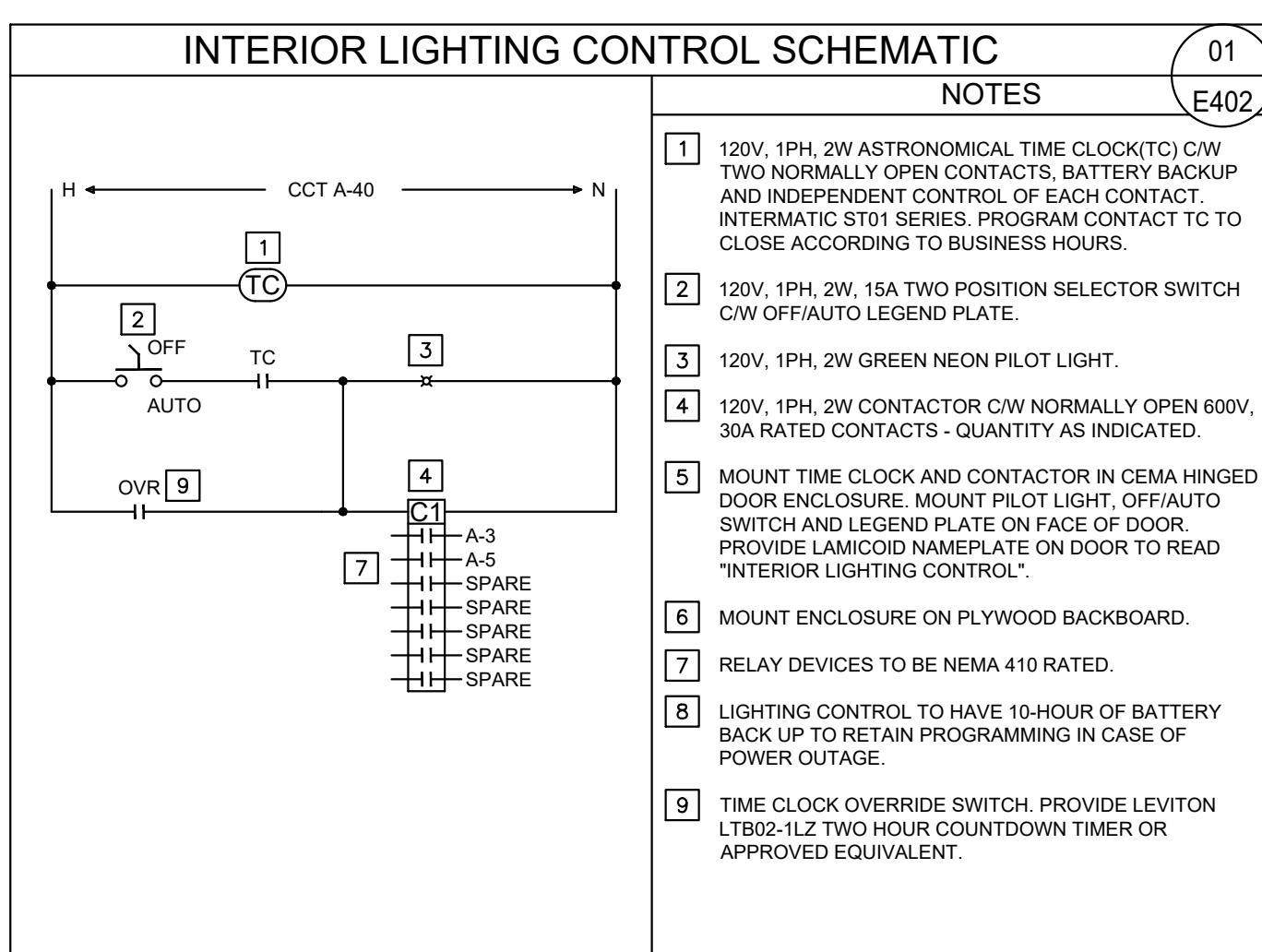
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KITCHEN EQUIPMENT SCHEDULE							
TAG	QTY	DESCRIPTION	LOAD	O/C	CONDUIT/WIRING *	MOUNTING (AFF.)	NOTES
E06	1	PREP TABLE CW SINK	120V, 1PH, 2W	1P-15A	21mmC-#12 RW90XL CU	+44"	PROVIDE NEMA 5-20R GFCI CONV RECEPTACLE. PROVIDE TWO CONNECTIONS.
E08	1	BAG IN A BOX	120V, 1PH, 2W	1P-15A	21mmC-#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R QUAD RECEPTACLE.
E10	1	ICE MACHINE	120V, 1PH, 2W, 1000W	1P-15A	21mmC-#12 RW90XL CU	+36"	PROVIDE HARD-WIRED CONNECTION.
E14	1	WAREWASHER, DOOR TYPE, LOW TEMP	120V, 1PH, 2W, 16A	1P-20A	21mmC-#12 RW90XL CU	+60"	PROVIDE HARD-WIRED CONNECTION.
E21	1	WALK IN COOLER LIGHTS	120V, 1PH, 2W, 1A	1P-15A	21mmC-#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-#12 RW90XL CU	+96"	PROVIDE NEMA 6-20R RECEPTACLE.
E23	1	WALK - IN FREEZER LIGHTS	120V, 1PH, 2W, 4A	1P-15A	21mmC-#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-#10 RW90XL CU	+96"	PROVIDE NEMA 6-20R RECEPTACLE.
E27	1	POTATO STATION COOLER	120V, 1PH, 2W	1P-15A	21mmC-#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E30	1	HEATED SHELF	120V, 1PH, 2W, 2.9A, 400W	1P-15A	21mmC-#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE.
E32	1	MEGATOP COLD TABLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC-#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E34	1	CHILI COUNTER LEFT	120V, 1PH, 2W	1P-15A	21mmC-#12 RW90XL CU	+24"	PROVIDE NEMA 5-20R RECEPTACLE.
E34a	1	WARMER, FOOD, ELECTRIC	120V, 1PH, 2W, 8.5A, 1kW	1P-15A	21mmC-#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-20R RECEPTACLE.
E36	1	COLD TABLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC-#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E45	1	REFRIGERATOR SHORTY	120V, 1PH, 2W, 9.9A, 1100W	1P-15A	21mmC-#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-#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-#12 RW90XL CU	+42"	PROVIDE NEMA 6-15R RECEPTACLE.
E53a	1	MERLIN TIMER	120V, 1PH, 2W, 15A	1P-20A	21mmC-#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-#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-#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-#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-#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-#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-#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-15R RECEPTACLE.
E71	2	HAMILTON BEACH BLENDERS	120V, 1PH, 2W, 15A	1P-20A	21mmC-#12 RW90XL CU	+42"	PROVIDE NEMA 5-20R RECEPTACLE.
E74	1	DIPPING CABINET	120V, 1PH, 2W, 15A	1P-20A	21mmC-#12 RW90XL CU	+12"	PROVIDE NEMA 5-20R RECEPTACLE.
E78	1	COOLER - BOTTLE	120V, 1PH, 2W, 2.3A, 1/6HP	1P-15A	21mmC-#12 RW90XL CU	+12"	PROVIDE NEMA 5-15R RECEPTACLE.
E80	1	COKE DISPENSER-BY OTHERS	120V, 1PH, 2W	1P-15A	21mmC-#12 RW90XL CU	CONFIRM	PROVIDE NEMA 5-20R RECEPTACLE.
E90	3	POS	120V, 1PH, 2W	1P-15A	21mmC-#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.

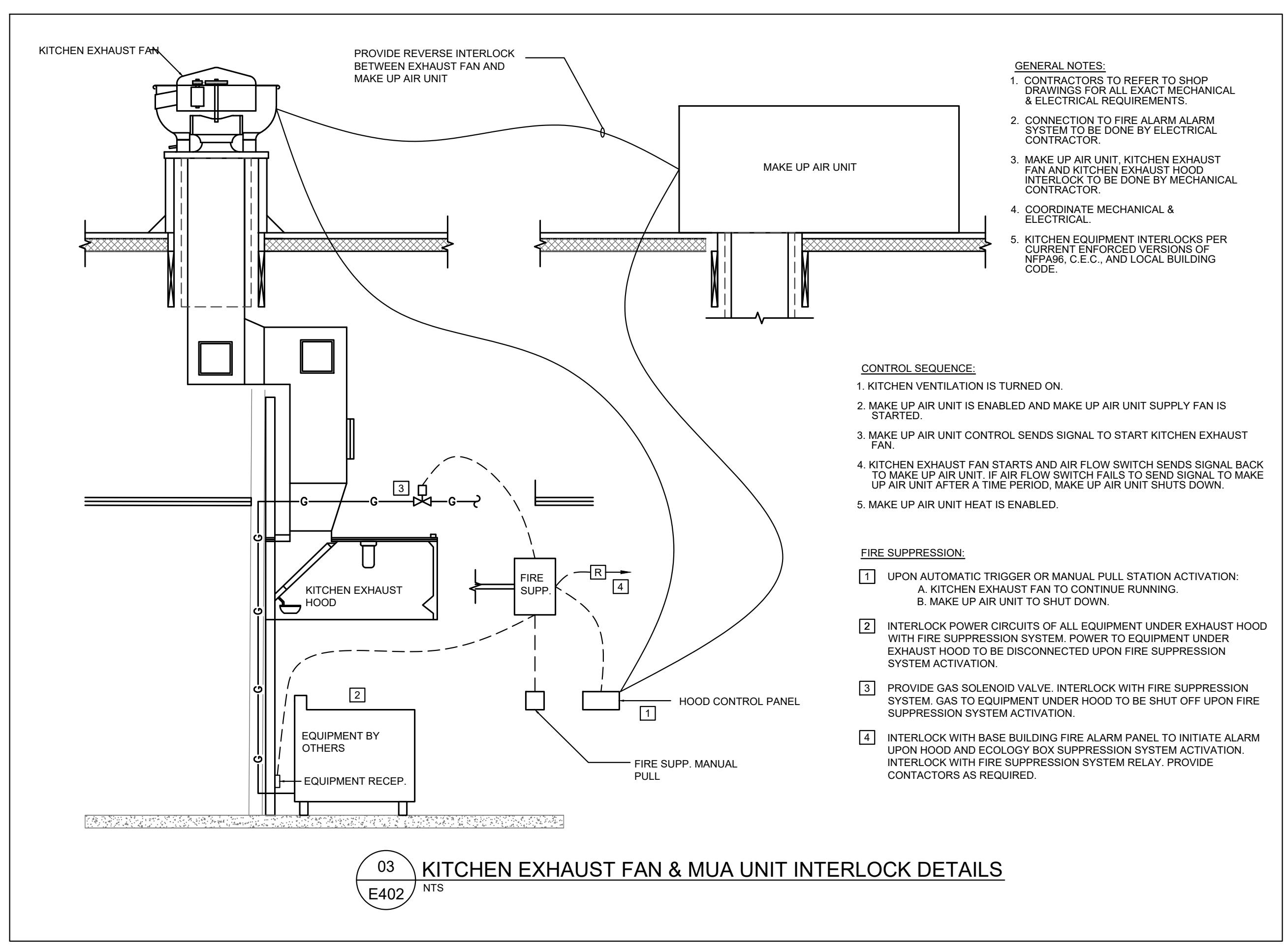
* CONTRACTOR TO PROVIDE ADEQUATE SIZE OF BRANCH WIRING & CONDUIT BASED ON EXACT ROUTING ON SITE AND VOLTAGE DROP. INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CEC REQUIREMENTS.



ASHRAE 90.1-2016 LIGHT POWER DENSITY CALCULATION				
SPACE BY SPACE METHOD (9.6.1)				
SPACE	ASHRAE LPD	AREA	WATTAGE	ACTUAL LPD
DINING: FAST FOOD	6.8 W/SQM	98.1 SQM	889W	9.1 W/SQM
WASHROOM	10.0 W/SQM	10.0 SQM	48W	4.8 W/SQM
FOOD PREPARATION AREA	11.4 W/SQM	49.4 SQM	383W	7.8 W/SQM
TOTAL CONNECTED WATTAGE:			1320.0 W	
TOTAL ALLOWABLE WATTAGE:			1330.3 W	

LUMINAIRE SCHEDULE							
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. COMPLETE WITH LED BULB, 3000K DIMMABLE. MODEL: C54111MB. 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.

EXIT & EMERGENCY LIGHTING SCHEDULE							
TAGS	DESCRIPTION	PICTURE	MOUNTING	LOAD/VOLT	LAMP	COLOR TEMP	MANUFACTURER
BP1	EMERGENCY BATTERY UNIT (30 MIN RATED)		WALL 84IN(2133.6MM)	120VAC 72W/12VDC	2X4W LED	-	OPTION 1: STANPRO SLA12072-2S4LRWH
EH1	EXISTING STEEL RUNNING MAN COMBO SIGN		CEILING/WALL 84IN(2133.6MM)	1.8W/120VAC	2X4W LED	-	OPTION 2: ALIMITE EBST12072-2MD4WLRWHT
EH2	STEEL RUNNING MAN SIGN		CEILING/WALL 84IN(2133.6MM)	1.9W/120VAC 0.9W/12VDC	-	-	OPTION 3: LUMACARE RG12S-72-2-LD7
RH1	EMERGENCY LIGHTING REMOTE HEAD		CEILING/WALL 84IN(2133.6MM)	4W PER HEAD/12VDC	2X4W LED	-	OPTION 1: STANPRO S2-06-24V4WLRWH
							OPTION 2: ALIMITE RMMD2-06-24V4WLRWHT
							OPTION 3: LUMACARE MQM2LD7



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

RE

ELECTRICAL SPECIFICATIONS

- GENERAL**
 - THE SPECIFICATION COVERING THE BIDDING AND CONTRACT REQUIREMENTS, GENERAL REQUIREMENTS, AND ALL ASSOCIATED SECTIONS FORM AN INTEGRAL PART OF THIS SPECIFICATION AND SHALL BE READ IN CONJUNCTION THEREWITH.
 - THE INTENT OF THE SPECIFICATION AND DRAWING IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM.
 - PERMITS, CERTIFICATES AND FEES
 - THE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE AND ALL RELEVANT BY-LAWS OF A LOCAL ELECTRICAL AUTHORITY.
 - OBTAIN ALL PERMITS REQUIRED AND AFTER COMPLETE OF THE WORK, FURNISH TO THE ENGINEER A CERTIFICATE OF FINAL INSPECTION AND APPROVAL FROM THE INSPECTION DEPARTMENT, TAKE OUT ALL REQUIRED PERMIT REQUIRED AT THE BEGINNING OF THE WORK.
 - SUPPLY TWO (2) SETS OF DRAWINGS (OR MORE AS REQUIRED) TO THE ELECTRICAL INSPECTION DEPARTMENT AND INCLUDE ALL COSTS FOR PRINTS, SURVEY, ETC, IN THE ELECTRICAL TENDER.
 - VOLTAGE RATINGS**
 - OPERATING VOLTAGES TO CSA C225.
 - MOTORS, LIGHTING, ELECTRICAL HEATING, CONTROL AND DISTRIBUTION DEVICES, AND EQUIPMENT TO OPERATE SATISFACTORILY AT 60Hz WITHIN NORMAL OPERATING LIMITS ESTABLISHED BY ABOVE MENTIONED STANDARD EQUIPMENT TO OPERATE IN EXTREME OPERATING CONDITIONS ESTABLISHED IN ABOVE STANDARD WITHOUT DAMAGE TO EQUIPMENT.
 - CIRCUITING**
 - IN SOME CASES, CONDUIT AND WIRING IS NOT SHOWN, BUT THE REQUIREMENT FOR THE WORK IS INDICATED. THEY ARE NEVERTHELESS TO BE PROVIDED AS INDICATED.
 - CONDUIT AND WIRING FOR ALL DEVICES AND EQUIPMENT SHOWN AS INDICATED USING WIRING AND RACEWAY METHODS SPECIFIED.
 - PROVIDE ALL WIRING REQUIRED FOR OPERATION OF THE EQUIPMENT AND IN ACCORDANCE WITH THESE SPECIFICATIONS, THE ELECTRICAL CODE AND MANUFACTURER'S INSTRUCTIONS.
 - COMMON NEUTRALS ARE NOT TO BE USED IN CIRCUITS CONTAINING DIMMERS OR ISOLATED GROUND RECEIVERS. THIS IS NOT TO BE CONSIDERED AS A PERMIT FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
 - PROVIDE A SEPARATE #12 ISOLATED GROUND FOR EACH CIRCUIT CONTAINING ISOLATED GROUND RECEPTECLES. EACH RECEPTACLE AND DATA OUTLET TO BE LABELED WITH PANEL DESIGNATION.
 - EACH RECEPTACLE AND DATA OUTLET TO BE LABELED WITH PANEL DESIGNATION.
 - WIRE AND CABLE**
 - ALL WIRING SHALL BE COPPER ONLY. NO NON-METALLIC-SHEATHED (NM-7/NM90) EXCEPT FOR BRANCH WIRES IN WOOD CONSTRUCTION. #12 AWG GROUND WIRE FOR POWER CIRCUITS, #14 AWG MINIMUM FOR CONTROL CIRCUITS. AND FLOORING CIRCUITS SHALL BE NMW/G 12AWG 300V FOR EXTERIOR. INDOOR WIRING SHALL BE #18 AWG, 600V, COLOR CODE BRANCH WIRING AS FOLLOWS:
 - *** EQUIPMENT GROUNDING CONDUCTOR - GREEN
 - *** NEUTRAL CONDUCTOR - WHITE
 - *** 120/208V, PHASE CONDUCTOR - RED, BLACK, BLUE
 - INSTALL ALL WIRES IN RACEWAYS, WIRE AND CONNECT EQUIPMENT TO CIRCUITS INDICATED.
 - ALL FEEDERS AND MOTOR CIRCUITS TO BE WIRED IN CONDUIT, WHERE CONDUIT AND WIRE IS INDICATED, IT SHALL BE USED.
 - ALL WIRING TO BE CONDUIT FOR FIRE ALARM, EMERGENCY LIGHTING AND EXIT SIGNS.
 - CONDUCTOR SIZES INDICATED IS MINIMUM REQUIRED, INCREASE CONDUCTOR SIZE (AND CONDUIT SIZE WHERE APPLICABLE) TO ACCOMMODATE VOLTAGE DROP PER CE REQUIREMENTS.
 - OUTLET BOXES**
 - OUTLET, JUNCTION AND SWITCH BOXES SHALL BE GALVANIZED PRESSED STEEL, OF SIZE AND TYPE TO SUIT EACH INDIVIDUAL APPLICATION. BOX TYPE TO BE IBERVILLE 54131, 52171, 72171 53151, 54521, 51151, 55171 OR MBD ACCORDING TO SIZE RESTRICTION AND MOUNTING TYPE. TYPE 121 UTILITY BOXES ARE NOT PERMITTED.
 - EACH OUTLET MUST BE SUITABLE IN ALL RESPECTS FOR THE APPLICATION, COMPLETE WITH ALL ACCESSORIES. PLASTIC RINGS AND COVERS.
 - ALL BOXES SHALL BE SUITED TO ACCOMMODATE THE NUMBER OF RACEWAYS AND CONDUCTORS.
 - TELEPHONE BOXES SHALL BE SUITED TO TELEPHONE UTILITY COMPANY REQUIREMENTS.
 - ALL PULL AND JUNCTION BOXES MUST BE ACCESSIBLE AFTER THE BUILDING IS COMPLETE.
 - E. ALL PULL AND JUNCTION BOX TYPES AND SIZES SHALL COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE AND ALL RELEVANT BY-LAWS OF A LOCAL ELECTRICAL AUTHORITY
 - WIRING DEVICES/COVERPLATES**
 - WIRING DEVICES TO BE SPECIFICATION GRADE AS FOLLOWS:
 - a. 120V, 15A/20A SWITCHES - LEVITON DECORA SERIES - WHITE
 - b. 347V, 15A/20A SWITCHES - LEVITON DECORA SERIES - WHITE
 - c. SINGLE/DUPLEX RECEPTACLES - LEVITON SERIES - WHITE
 - d. GROUND FAULT RECEPTACLES - LEVITON SMARTLOCK SERIES - WHITE
 - e. SPECIAL RECEPTACLES AS NOTED - LEVITON SPEC GRADE - WHITE
 - f. SWITCH AND PILOT LIGHT - LEVITON - 5226-W/WHITE
 - g. DIMMER SWITCHES 1000W - LEVITON - DECORA ROCKER SIDE CONTROL- WHITE
 - h. CEILING MOUNT OCCUPANCY SENSOR- ACUTY-CMR-PDT-9-2P/120/347VAC (SEE LUMINAIRE SCHEDULE FOR LIGHT FIXTURE VOLTAGE)
 - i. WALL MOUNT OCCUPANCY SENSOR SWITCH MANUAL ON/AUTO OFF C/W DIMMING -ACUTY-WX-PDT-D-SA-120/347-WH
 - j. WALL MOUNT SENSOR SWITCH (FOR SMALL WASHROOM) WSXPDT-AUTO ON-120/347-WH
 - k. DAY LIGHT CONTROL PHOTO SENSOR ACUTY- CMADC-DZ-WH
 - l. DIMMER SWITCHES FOR LED's- LEVITON UNIVERSAL DIMMER-DSE-500W-LED-WHITE LEVITON UNIVERSAL DIMMER-DSE-120V-200W-LED-WHITE LEVITON UNIVERSAL DIMMER-DSM10-450W-LED-WHITE LEVITON ATE04-1L ATE05-1L ATE06-1L, VPE04-1L, VPE05-1L LEVITON ELV DIMMER-DSE03-300WLED-WHITE LEVITON UNIVERSAL DIMMER-DSM1X-BLZ-300WLED-WHITE LEVITON UNIVERSAL DIMMER-DSM1X-BLZ-300WLED-WHITE DO NOT GANG DIMMER SWITCHES. DERATE PER MANUFACTURER'S RECOMMENDATION IF GANGED. FOLLOW MANUFACTURER RECOMMENDATION FOR DIMMER SWITCH.
 - m. DRYER/RANGE RECEPTACLES - LEVITON 279/279 - WHITE
 - n. HOSPITAL GRADE RECEPTACLE- LEVITON HOSPITAL GRADE SMARTLOCKPRO SLIM
 - o. USB CHARGER RECEPTACLE - LEVITON T5632-WHITE
 - CONFIRM ALL COLOURS WITH OWNER PRIOR TO PURCHASING.
 - COVER PLATES FOR WIRING DEVICES TO BE AS FOLLOWS:
 - a. IN SERVICE AND MECHANICAL ROOMS - LEVITON SMOOTH STAINLESS STEEL S SERIES
 - b. ALL OTHER INTERIOR AREAS - LEVITON SMOOTH NYLON P SERIES - WHITE
 - c. EXTERIOR AND WEATHERPROOF AREAS - LEVITON SERIES - GRAY.
 - PRIOR TO ORDERING, CONFIRM COLOUR OF ALL WIRING DEVICES AND COVERPLATES WITH ARCHITECT.
 - WIRING DEVICES ADJACENT ONE ANOTHER SHALL BE ARRANGED IN A NEAT SYMMETRICAL PATTERN TO THE APPROVAL OF THE ENGINEER. WIRING DEVICES ARE TO BE STACKED AND ALIGNED BOTH VERTICALLY AND HORIZONTALLY.
 - NEW WIRING DEVICES AND COVERPLATES IN EXISTING AREAS BEING RENOVATED SHALL BE REPLACED WITH NEW DEVICES AND COVERPLATES.
 - PROVIDE MATCHING PLUGS WITH CORD FOR ALL SPECIAL RANGE AND DRYER RECEPTACLES. CONNECT TO ASSOCIATED EQUIPMENT.
 - CONTRACTOR TO PROVIDE COMPATIBLE DIMMER BASED ON LIGHT FIXTURE SELECTION AND MANUFACTURER RECOMMENDATION. PROVIDE 0-10V WIRING FOR LOW VOLTAGE DIMMING CONTROL.
 - EMERGENCY LIGHTING/EOT SIGNS**
 - CONNECT REMOTE EMERGENCY LIGHTS AND EXIT LIGHTS TO BATTERY USING #10 AWG WIRE IN CONDUIT AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - WIRING OF EMERGENCY LIGHTING/EXIT LIGHTING SHALL BE INSTALLED PER CANADIAN ELECTRICAL CODE.
 - FOR EXIT LIGHTS, PROVIDE DOUBLE FACE TYPES EXCEPT FOR FLAT FACE MOUNTED. PROVIDE DIRECTIONAL ARROWS WHERE INDICATED. CONNECT TO BATTERY AND TO AC CIRCUIT. PROVIDE AC AND DC LAMPS.
 - PROVIDE VOLTAGE SENSING RELAY WHERE PATH OF EGRESS FOR EMERGENCY LIGHTING CROSSES THROUGH SEVERAL AREAS AND HAS A SEPARATE ELECTRICAL CIRCUIT AND BREAKER FOR LIGHTING.
 - WIRE GUARDS TO BE INSTALLED ON ALL REMOTE HEADS IN LOCKER ROOMS AND GYMNASIUMS.
 - LUMINAIRES**
 - ALL LUMINAIRES SHALL BE COMPLETE WITH LAMPS OR TUBES AND ACCESSORIES REQUIRED TO LEAVE THE FIXTURE COMPLETE IN POSITION AND OPERATING.
 - PROVIDE ALL MOUNTING ACCESSORIES TRIMS AND ACCESSORIES TO SUIT THE CEILING AND INSTALLATION.
 - FLUORESCENT LAMPS SHALL BE 41K FOR RAPID START, UNLESS SPECIFIED OTHERWISE.
 - GENERAL**
 - ALL LUMINAIRES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE, INDEPENDENT OF THE CEILING. LUMINAIRES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE, INDEPENDENT OF THE CEILING AND ARE TO BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS BETWEEN LUMINAIRE, SUPPORTS, FITTINGS AND MECHANICAL OR STRUCTURAL BUILDING ELEMENTS.
 - PROVIDE ALL ADDITIONAL SUPPORTS, HANGERS AND STEEL REQUIRED TO SUPPORT LUMINAIRES LOCATED UNDER CEILING DUCTS.
 - EXACT LOCATION OF ALL LUMINAIRES IN AREAS HAVING A CEILING, SEE ARCHITECTURAL REFLECTED CEILING DRAWINGS.
 - FOR ALL LED LAMPS, PROVIDE ALL NECESSARY DRIVERS/TRANSFORMERS REQUIRED TO HAVE A FULLY FUNCTIONAL FIXTURE. PROVIDE COMPATIBLE DIMMER FOR LED LUMINAIRES BASED ON MANUFACTURER'S RECOMMENDATION.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NEED CALCULATION AND GET APPROVALS FROM CITY IF DIFFERENT FIXTURE IS UTILIZED. SUBMIT ALTERNATE SPECIFICATION TO ENGINEER PRIOR TO TENDER CLOSE. ALTERNATE SPECIFICATIONS ARE ONLY VALID WITH ENGINEER'S WRITTEN APPROVAL. ALTERNATE SPECIFICATIONS ARE NOT ALLOWED FOR EXTERIOR LUMINAIRES. PROVIDE AS PER SPECIFICATIONS ON THE DRAWINGS.
 - SHOP DRAWINGS**
 - SUBMIT ALL DRAWINGS OF ELECTRICAL EQUIPMENT TO THE ENGINEER FOR REVIEW. FABRICATION OF EQUIPMENT SHALL NOT COMMENCE UNTIL SHOP DRAWINGS OF SUCH EQUIPMENT HAVE BEEN REVIEWED BY THE ENGINEER. FIVE (5) SETS SHALL BE SUBMITTED WITH LOCAL INSPECTION DEPARTMENT APPROVAL WHERE REQUIRED. INCLUDE MANUFACTURER'S CATALOGUE CUTS AND PHOTOMETRIC DATA FOR LIGHTING FIXTURES.
 - SUBMIT SHOP DRAWINGS OF ALL ITEMS OF ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION.
 - OPERATING/MAINTENANCE MANUALS**
 - FOR EACH ITEM OF SPECIAL APPARATUS, SUPPLY SPECIFIC, INDEXED COPIES OF MANUALS, EACH COPY SHALL CONTAIN THE FOLLOWING:
 - a. A COPY OF EACH REVIEWED SHOP DRAWING
 - b. COMPLETE EXPLANATION OF OPERATION PRINCIPLES AND SEQUENCES.
 - c. RECOMMENDED MAINTENANCE PRACTICES AND PRECAUTIONS.
 - d. COMPLETE WIRING AND CONNECTION DIAGRAMS.
 - e. TEST READINGS
 - ENSURE THAT OPERATING AND MAINTENANCE INSTRUCTIONS ARE SPECIFIC AND APPLY TO THE MODELS AND TYPES OF EQUIPMENT PROVIDED.
 - SUPERVISION**
 - THE ELECTRICAL INSTALLATION SHALL BE EXECUTED IN A SATISFACTORY WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED. WORK NOT CONSIDERED SATISFACTORY TO THE CONTRACTOR SHALL BE CORRECTED BY THE CONTRACTOR'S EXPENSE.
 - KEEP ON THE SITE DURING ITS PROGRESS A COMPLETE FOR PERSONNEL HOLDING A FIRST CLASS JOURNEYMAN CERTIFICATE AND NECESSARY ASSISTANTS. ALL SATISFACTORY TO THE ENGINEER. GIVE EFFICIENT SUPERVISION TO THE WORK, USING SKILL AND ATTENTION.
 - MISCELLANEOUS**
 - PROVIDE LAMINATED PLATE LABEL ON ALL PANELS, TRANSFORMERS AND MECHANICAL EQUIPMENT WITH APPROPRIATE INFORMATION SUCH AS NAME, VOLTAGE AND CIRCUITING.
 - PROVIDE TYPED PANEL SCHEDULES FOR ALL PANELS.
 - ALL RECEPTACLE FACEPLATES TO BE LABELED WITH KROY THERMAL LABELING (OR EQUIVALENT) SHOWING THE CIRCUIT AND PANEL.
 - FIREFPROOFING**
 - WHERE SLEEVES OR OPENINGS ARE INSTALLED IN WALLS, FLOORS, ROOF OR PARTITIONS TO ACCOMMODATE RACEWAYS OR CABLES, 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.
 - CLEANING**
 - THIS CONTRACTOR AND/OR HIS SUB-CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CLEANING UP ALL DEBRIS ACCUMULATED DURING THE COURSE OF THE WORK, UPON COMPLETION OF THE CONTRACT AND WHENEVER DIRECTED BY THE ENGINEER. THE COMPLETE INSTALLATION SHALL BE MAINTAINED IN A NEAT AND TIDY STATE DURING ITS ENTIRE COURSE.
 - AT THE COMPLETION OF THE WORK, A COMPLETE AND THOROUGH CLEAN-UP SHALL BE DONE ON THE SURFACES AND INTERIORS OR ALL EQUIPMENT. AN INDUSTRIAL TYPE VACUUM CLEANER SHALL BE USED AS PART OF THE CLEANING.
 - ACCURACY OF DATA**
 - DRAWINGS ARE SCHEMATIC, EXACT LOCATIONS, DISTANCES, LEVELS AND OTHER DIMENSIONS SHALL BE GOVERNED BY THE BUILDING AS CONSTRUCTED.
 - DRAWINGS INDICATE FLOOR PLANS AND/OR DETAILS INDICATING LOCATION OF OUTLETS, ETC AND ASSOCIATED EQUIPMENT. ALL DESIGN DRAWINGS AND DO NOT SHOW EVERY OUTLET, SET BACK, ETC, ELBOW OR LUG ON BOX WHICH MAY NOT BE RELEVANT TO THE DRAWING. THE CONTRACTOR SHALL FOLLOW THE DRAWINGS AS CLOSELY AS IS PRACTICAL AND INSTALL ADDITIONAL BENDS, OFFSETS AND JUNCTION BOXES WHERE REQUIRED BY LOCAL CONDITIONS FROM THE MEASUREMENTS TAKEN AT THE BUILDING, SUBJECT TO APPROVAL WITHOUT ADDITIONAL COST TO THE OWNER. THE DRAWINGS AND SPECIFICATIONS TAKEN FROM THE DRAWINGS AND SPECIFICATIONS FOR THE WIRING AND CONNECTORS IN SATISFACTORY AND OPERATING CONDITION, THESE DRAWINGS AND SPECIFICATIONS SHALL FORM A BASIS FOR THE TENDER PRICE AND SHALL BE USED TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION AS DIRECTED IN EACH OR BOTH DOCUMENTS.
 - ALL NOTED DRAWINGS AND SPECIFICATIONS REFERRED TO THESE SPECIFICATIONS HAVE PRECEDENCE EXCEPT WHERE ADEQUATE WHERE SPECIFIC REFERENCE IS MADE.
 - OUTLETS OR EQUIPMENT SHALL BE MOVED TO ANY POINT WITHIN A THREE METER RADIUS WHEN RELOCATING IS REQUESTED BY ENGINEER BEFORE WORK IS SUBSTANTIALLY COMPLETED.
 - MATERIAL STANDARDS**
 - ALL MATERIAL SUPPLIED SHALL BE NEW OF THE QUALITY SPECIFIED. ALL EQUIPMENT SHALL CONFORM TO THE STANDARDS OF THE CANADIAN STANDARDS ASSOCIATION AND SHALL BEAR THE NECESSARY CSA APPROVAL LABEL. FOR ANY MATERIAL NOT CSA APPROVED, OBTAIN THE APPROVAL OF THE LOCAL INSPECTION AUTHORITY AND BEAR ALL INSPECTION CHARGES LEVIED AND ANY MODIFICATION COSTS REQUIRED.
 - UNLESS OTHERWISE SPECIFICALLY CALLED FOR IN THE SPECIFICATIONS, UNIFORMITY OF MANUFACTURERS SHALL BE MAINTAINED FOR ANY PARTICULAR TYPE OF EQUIPMENT THROUGHOUT THE PROJECT.
 - FINAL**
 - POINTS NOT SPECIFICALLY MENTIONED SHALL BE IN STRICT ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE AND REGULATIONS OF THE ELECTRICAL INSPECTION DEPARTMENT FROM WHICH THE PERMIT WAS OBTAINED. THE LATEST REVISION AND/OR AMENDMENTS TO THIS CODE WITH APPLICABLE DATE RESTRICTIONS SHALL ALSO GOVERN WORK ON THIS CONTRACT.
 - LEAVE THE WORK COMPLETE TO THE APPROVAL OF THE ENGINEER.
 - GUARANTEE**
 - FURNISH A WRITTEN GUARANTEE/WARRANTY COUNTERSIGNED AND GUARANTEED BY THE GENERAL CONTRACTOR STATING THAT ALL WORK EXECUTED UNDER THIS CONTRACT WILL BE FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THIS WORK, EXCEPT FOR INCANDESCENT LAMPS WHICH SHALL BE FOR A PERIOD OF SIX (6) MONTHS.
 - THE ABOVE PARTIES FURTHER AGREE THAT THEY WILL, AT THEIR OWN EXPENSE, REPAIR AND REPLACE ALL SUCH DEFECTIVE WORK AND OTHER WORK DAMAGED THEREBY, WHICH FAILS OR BECOMES DEFECTIVE DURING THE TERM OF THE GUARANTEE/WARRANTY PROVIDED THAT SUCH FAILURE IS NOT DUE TO IMPROPER USE OR MAINTENANCE.
 - THE TERM OF THE GUARANTEE PROVIDED SHALL IN NO WAY SUPPLANT ANY OTHER GUARANTEE OF A LONGER PERIOD, BUT SHALL BE BINDING ON WORK NOT OTHERWISE COVERED.
 - DISCONNECT SWITCHES & FUSES**
 - THREE PHASE MOTOR DISCONNECT SWITCHES AND THREE POLE UNFUSED, 600 VOLT IN EEMAC TYPE 1 ENCLOSURE UNLESS OTHERWISE NOTED.
 - SINGLE PHASE DISCONNECT SWITCHES, SINGLE POLE TOGGLE SWITCH.
 - INSTANT MOTOR AND CIRCUIT DISCONNECT SWITCHES AS REQUIRED BY CODE OR CALLED FOR IN TENDER DOCUMENTS.
 - AMPERE AND HORSE POWER RATINGS AS REQUIRED BY THE CIRCUIT AND ASSOCIATED EQUIPMENT OR AS INDICATED.
 - PROVIDE FUSE HOLDERS ON LOAD SIDE OF SWITCHES, AMPERE RATING EQUAL TO SWITCH RATINGS, SUITABLE FOR FUSES SPECIFIED.
 - ALL FUSES BE 100% AMPERE (MINIMUM) INTERRUPTING CAPACITY OF THE CURRENT LIMITED TYPE. IN ADDITION FUSE PROTECTORATORS TO BE OF THE TIME DELAY TYPE, PROVIDE ONE FULL SET OF SPARE FUSES, THREE FOR EACH DIFFERENT AMPERE RATING USED, STORED IN SUITABLE ENCLOSURE.
 - SWITCH MECHANISMS: QUICK MAKE AND QUICK BREAK ACTION WITH SELF-WIPE CONTACTS, SOLDERLESS PRESSURE LUG CONNECTORS. FOR SWITCHES 100 AMPERES AND OVER, PROVIDE NON-TRIPPING ARC PROTECTOR. ALL SWITCH POLES TO OPERATE TOGETHER FROM A COMMON OPERATING BAR. PROVIDE FOR PADLOCK DISCONNECT SWITCHES IN 'OFF' POSITION. DOORS TO BE INTERLOCKED AND COMPLETE WITH DEFEAT MECHANISM.
 - MOTORS**
 - EACH UNGROUNDED CONDUCTOR OF MOTOR BRANCH CIRCUIT SHALL BE PROTECTED BY AN OVERCURRENT DEVICE.
 - THE BRANCH CIRCUIT CONDUCTORS AND CONTROL EQUIPMENT OF EACH MOTOR SHALL HAVE OVERLOAD PROTECTION PER MANUFACTURER'S RECOMMENDATION EXCEPT AS PERMITTED BY CODE RULE 28-308.
 - EACH MOTOR USED IN CONTINUOUS DUTY APPLICATION AND RATED MORE THAN 1 HP SHALL BE PROTECTED AGAINST OVERLOAD BY SEPARATE OVERLOAD DEVICE AND THERMAL PROTECTOR ON EACH PHASE.

- FLUORESCENT BALLASTS SHALL BE LOW NOISE, A RATING, RAPID START, THERMAL PROTECTION AUTOMATIC RESET HIGH POWER FACTOR, CBM CERTIFIED.
- LUMINAIRES ARE AS SPECIFIED IN LUMINAIRE SCHEDULE.
- ALL LUMINAIRES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE, INDEPENDENT OF THE CEILING. LUMINAIRES SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE, INDEPENDENT OF THE CEILING AND ARE TO BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS BETWEEN LUMINAIRE, SUPPORTS, FITTINGS AND MECHANICAL OR STRUCTURAL BUILDING ELEMENTS.
- PROVIDE ALL ADDITIONAL SUPPORTS, HANGERS AND STEEL REQUIRED TO SUPPORT LUMINAIRES LOCATED UNDER CEILING DUCTS.
- EXACT LOCATION OF ALL LUMINAIRES IN AREAS HAVING A CEILING, SEE ARCHITECTURAL REFLECTED CEILING DRAWINGS.
- FOR ALL LED LAMPS, PROVIDE ALL NECESSARY DRIVERS/TRANSFORMERS REQUIRED TO HAVE A FULLY FUNCTIONAL FIXTURE. PROVIDE COMPATIBLE DIMMER FOR LED LUMINAIRES BASED ON MANUFACTURER'S RECOMMENDATION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NEED CALCULATION AND GET APPROVALS FROM CITY IF DIFFERENT FIXTURE IS UTILIZED. SUBMIT ALTERNATE SPECIFICATION TO ENGINEER PRIOR TO TENDER CLOSE. ALTERNATE SPECIFICATIONS ARE ONLY VALID WITH ENGINEER'S WRITTEN APPROVAL. ALTERNATE SPECIFICATIONS ARE NOT ALLOWED FOR EXTERIOR LUMINAIRES. PROVIDE AS PER SPECIFICATIONS ON THE DRAWINGS.
- SHOP DRAWINGS**
 - SUBMIT ALL DRAWINGS OF ELECTRICAL EQUIPMENT TO THE ENGINEER FOR REVIEW. FABRICATION OF EQUIPMENT SHALL NOT COMMENCE UNTIL SHOP DRAWINGS OF SUCH EQUIPMENT HAVE BEEN REVIEWED BY THE ENGINEER. FIVE (5) SETS SHALL BE SUBMITTED WITH LOCAL INSPECTION DEPARTMENT APPROVAL WHERE REQUIRED. INCLUDE MANUFACTURER'S CATALOGUE CUTS AND PHOTOMETRIC DATA FOR LIGHTING FIXTURES.
 - SUBMIT SHOP DRAWINGS OF ALL ITEMS OF ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION.
- OPERATING/MAINTENANCE MANUALS**
 - FOR EACH ITEM OF SPECIAL APPARATUS, SUPPLY SPECIFIC, INDEXED COPIES OF MANUALS, EACH COPY SHALL CONTAIN THE FOLLOWING:
 - a. A COPY OF EACH REVIEWED SHOP DRAWING
 - b. COMPLETE EXPLANATION OF OPERATION PRINCIPLES AND SEQUENCES.
 - c. RECOMMENDED MAINTENANCE PRACTICES AND PRECAUTIONS.
 - d. COMPLETE WIRING AND CONNECTION DIAGRAMS.
 - e. TEST READINGS
 - ENSURE THAT OPERATING AND MAINTENANCE INSTRUCTIONS ARE SPECIFIC AND APPLY TO THE MODELS AND TYPES OF EQUIPMENT PROVIDED.
- MECHANICAL EQUIPMENT CONTROLS**
 - MOTOR STARTERS TO BE PROVIDED FOR ALL MOTORS HIGHER THAN 120V, GREATER THAN 1/3 HP AND MOTORS THAT ARE CONSTANT SPEED. MOTORS WITH VFD'S ARE EXCEPTED FROM STARTER REQUIREMENT.
 - INDIVIDUAL PHASE MOTOR STARTERS TO BE TOGGLE OPERATED 120 VOLT COMPLETE WITH PILOT CONTACT, CONTROL CIRCUIT FUSES, ALL TO BE HEAVY-DUTY OIL TIGHT UNLESS OTHERWISE SPECIFIED.
 - STARTERS TO HAVE QUICK MAKE QUICK BREAK TOGGLE SWITCH OPERATION, RATED VOLTS, AND POLES, TO SUIT APPLICATION. LOCKING TAB TO PERMIT LOCKING IN THE 'ON' OR 'OFF' POSITION.
 - SELECT OVERLOAD HEATER TO SUIT MOTORS.
 - SIZE STARTER TO MOTOR AND CIRCUIT AND PROVIDE INTERLOCKING BETWEEN STARTERS AS REQUIRED.
 - MAGNETIC MOTOR STARTERS TO BE ENCLOSED TYPE ACROSS THE LINE FULL VOLTAGE NON-REVERSING, COMPLETE WITH CONTACTOR, ONE OVERLOAD RELAY PER PHASE 'ON' PILOT LIGHT AND RESET BUTTON AND HOA SWITCH IN COVER, TWO SETS OF N.O. AUXILIARY CONTACTS IN ADDITION TO STANDARD HOLDING CONTACTS, CONTROL CIRCUIT FUSES, ALL TO BE HEAVY-DUTY OIL TIGHT UNLESS OTHERWISE SPECIFIED.
 - INDIVIDUAL PHASE MOTOR STARTERS TO BE TOGGLE OPERATED 120 VOLT COMPLETE WITH PILOT CONTACT, CONTROL CIRCUIT FUSES, ALL TO BE HEAVY-DUTY OIL TIGHT UNLESS OTHERWISE SPECIFIED.
 - STARTERS TO HAVE QUICK MAKE QUICK BREAK TOGGLE SWITCH OPERATION, RATED VOLTS, AND POLES, TO SUIT APPLICATION. LOCKING TAB TO PERMIT LOCKING IN THE 'ON' OR 'OFF' POSITION.
 - SIZE STARTER TO MOTOR AND CIRCUIT AND PROVIDE INTERLOCKING BETWEEN STARTERS AS REQUIRED.
 - THE NUMBERING SCHEME FOR THE PATCH PANEL, CABLES AND JACKS IS TO START AT '1'. NO DISTINCTION IS TO BE MADE BETWEEN VOICE AND DATA. NUMBERING EACH OUTLET SHALL HAVE DOUBLE JACKS; ONE VOICE & ONE DATA UNLESS OTHERWISE INDICATED.
 - THE TELEPHONE CABLE IN SUFFICIENT QUANTITY TO SERVICE THE REQUIRED TELEPHONE LINES PLUS AT LEAST 20% EXCESS CAPACITY IS TO BE DRAWN FROM THE TELEPHONE ROOM TO THE LAN ROOM, WITH A 6' CABLE LENGTH AND A LEAD-IN CABLE TO THE SLACK BLOCK.
 - THE TELEPHONE CABLE IS TO BE CONNECTED ON THE STANDARD TELCO BIX EQUIPMENT.
 - THE QCBX48D TERMINATOR BLOCKS ARE TO BE MOUNTED ON THE TELCO BIX EQUIPMENT. SUFFICIENT QCBX48D TERMINATOR BLOCKS MUST BE PROVIDED TO SERVICE THE REQUIRED TELEPHONE LINES PLUS 20% EXCESS CAPACITY AS THIS EQUIPMENT WILL NOT BE SUPPORTING LAN DATA TRAFFIC, IT DOES NOT HAVE TO CONFORM TO CAT5 STANDARDS. THIS INSTALLATION MUST CONFIRM TO THE STANDARDS OF THE LOCAL TELCO.
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 - THE QCBX48D TERMINATOR BLOCKS ARE TO BE CONNECTED ON THE TELCO BIX EQUI

FATBURGER CHILLWACK

ISSUED FOR BUILDING PERMIT
2/11/02

CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO CONSTRUCTION. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULED 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.

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
—D—	DOMESTIC COLD WATER
—D—	DOMESTIC HOT WATER - 140°F
—D—	DOMESTIC HOT WATER RECIRC
—D—	EXISTING DOMESTIC COLD WATER
—R—	RADON EXHAUST LINE
—CA—	COMPRESSED AIR
—VAC—	VACUUM LINE
—FCW#—	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
⊖	SHUT OFF VALVE
⊖	GLOBE/BALANCING VALVE
⊖	CONTROL VALVE
⊖	STRAINER
⊖	RELIEF VALVE
⊖	SOLENOID VALVE
⊖	BACKFLOW PREVENTOR
⊖	CHECK VALVE
⊖	HOSE BIBB
⊖	DCVA (DUAL CHECK VALVE ASSEMBLY)
⊖	THERMOSTATIC VALVE
⊖	PUMP
⊖	DRAIN TRAP
⊖	P-TRAP
⊖	LAUNDRY BOX
⊖	PRESSURE REDUCING VALVE
⊖	GAS COCK
⊖	GAS METER
⊖	WATER METER
⊖	CHECK METER
⊖	COLD WATER C/W STOPS
⊖	HOT WATER C/W STOPS
⊖	DIRECTION OF FLOW
⊖	PIPE RISE
⊖	PIPE DROP
⊖	PIPE TEE DOWN
⊖	PIPE TEE UP

HVAC LEGEND	
☒	SUPPLY AIR DUCT UP
☒	SUPPLY AIR DUCT DOWN
☒	RETURN AIR DUCT UP
☒	RETURN AIR DUCT DOWN
☒	EXHAUST AIR DUCT UP
☒	EXHAUST AIR DUCT DOWN
☒	OUTDOOR AIR DUCT UP
☒	OUTDOOR AIR DUCT DOWN
☒	SUPPLY AIR DIFFUSER
☒	ROUND SIA DIFFUSER
☒	MAKE-UP AIR GRILLE
☒	LINEAR DIFFUSER
☒	DOOR GRILLE
☒	RETURN AIR GRILLE
☒	SIDE WALL SUPPLY GRILLE
☒	SIDE WALL RETURN GRILLE
☒	LOUVER
☒	EXHAUST HOOD
☒	FLEX DUCT
☒	EXHAUST GRILLE
☒	DUCT BREAK
☒	BALANCING DAMPER
☒	EXHAUST AIR DUCT
☒	COMPLETE WITH
☒	TO ABOVE
☒	TO BELOW
☒	FROM ABOVE
☒	FROM BELOW
☒	TOP OF SLAB
☒	ABOVE FINISH FLOOR
☒	NOT IN CONTRACT
☒	BACK OF HOUSE
☒	FRONT OF HOUSE
☒	DOOR UNDERCUT
☒	ROOF TOP UNIT
☒	FAN COIL UNIT
☒	MAKE UP AIR UNIT
☒	EXHAUST FAN
☒	FURNACE UNIT
☒	CONDENSING UNIT
☒	CHILLER UNIT
☒	FORCE FLOW UNIT
☒	BASEBOARD UNIT
☒	UNIT HEATER
☒	NEW DUCT
☒	ACOUSTICALLY LINED DUCTWORK
☒	THERMALLY INSULATED DUCTWORK
☒	EXISTING SUPPLY AIR DUCT
☒	EXISTING RETURN AIR DUCT
☒	EXISTING EXHAUST AIR DUCT
☒	EXISTING OUTSIDE AIR DUCT
☒	DEMOLITION
☒	RELOCATE

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
⊕ SP	TEST STATION
⊕ SP	TAMPER SWITCH
⊕ SP	FLOW STATION
⊕ SP	FIRE DEPARTMENT CONNECTION
⊕ SP	FIRE EXTINGUISHER WITH CABINET 5LB REG. 10LB KITCHEN
⊕ SP	FIRE HOSE CABINET

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

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 (SWORKING DAYS FOR PROJECTS OUTSIDE OF MAIN OFFICE LOCATION) IN ADVANCE OF REQUIRED INSPECTION.	

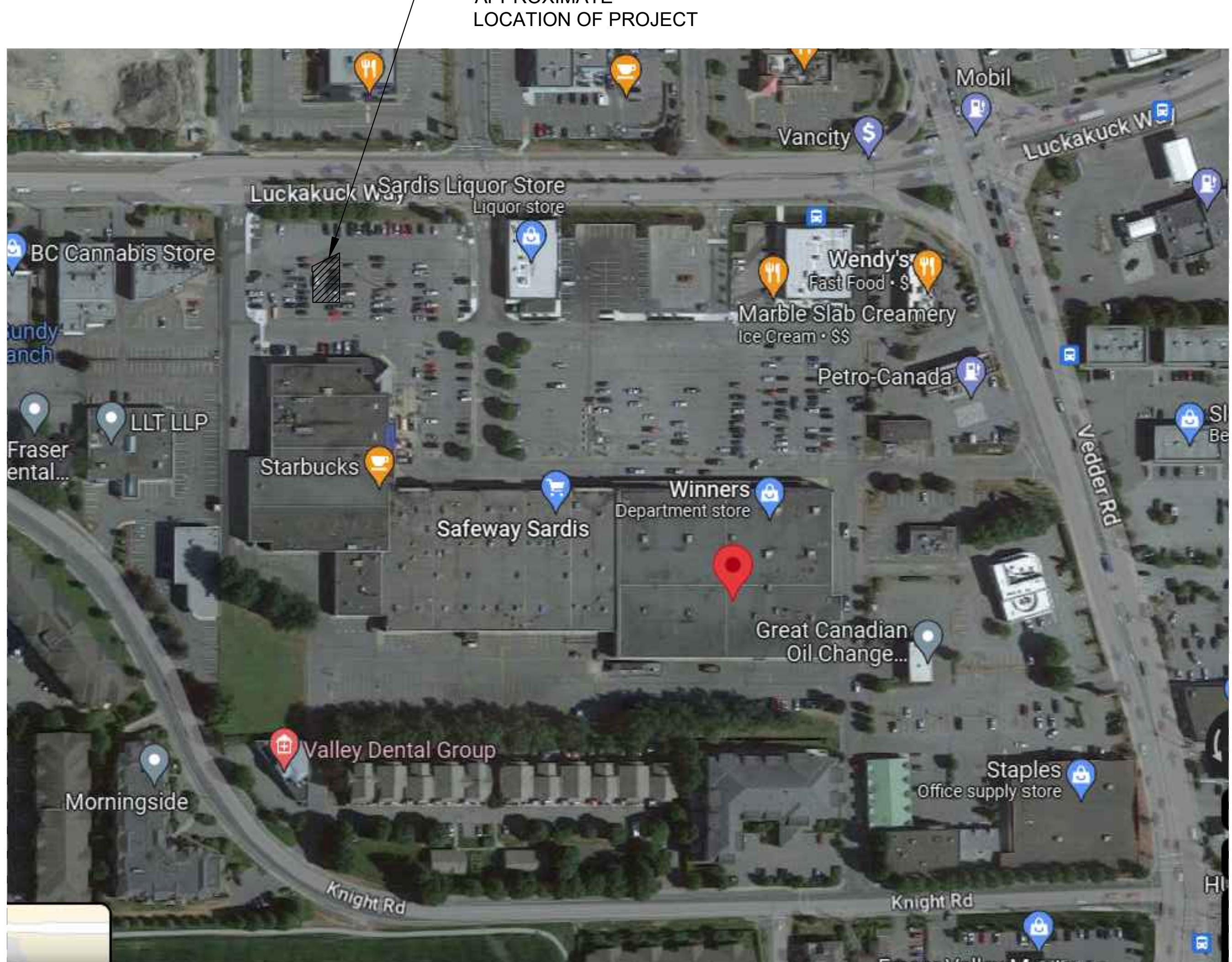
FAILURE TO COMPLY WITH THE FOLLOWING INSPECTION REQUIREMENTS MAY RESULT IN THIS CONTRACTOR HAVING TO EXPOSE ANY INACCESSIBLE MECHANICAL SYSTEMS AT THE DISCRETION OF EMBE CONSULTING AND AT THE CONTRACTOR'S COST AND FOR ANY COSTS WHICH MAY BE INCURRED TO RETEST SYSTEMS NOT WITNESSED BY EMBE CONSULTING.

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.

REMINDER:
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

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
FOH	FRONT OF HOUSE
DUC	DOOR UNDERCUT
RTU	ROOF TOP UNIT
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



KEY PLAN
01
M000
SCALE: N.T.S.

ELECTRICAL / MECHANICAL ENGINEERS
EMBE Consulting Engineers Inc.
121 15th AVENUE SE, CALGARY, AB, T2G 1G1
403-460-2277 | info@embeconsulting.ca
2023-11-14

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

DRAWING TITLE
MECHANICAL COVER PAGE

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

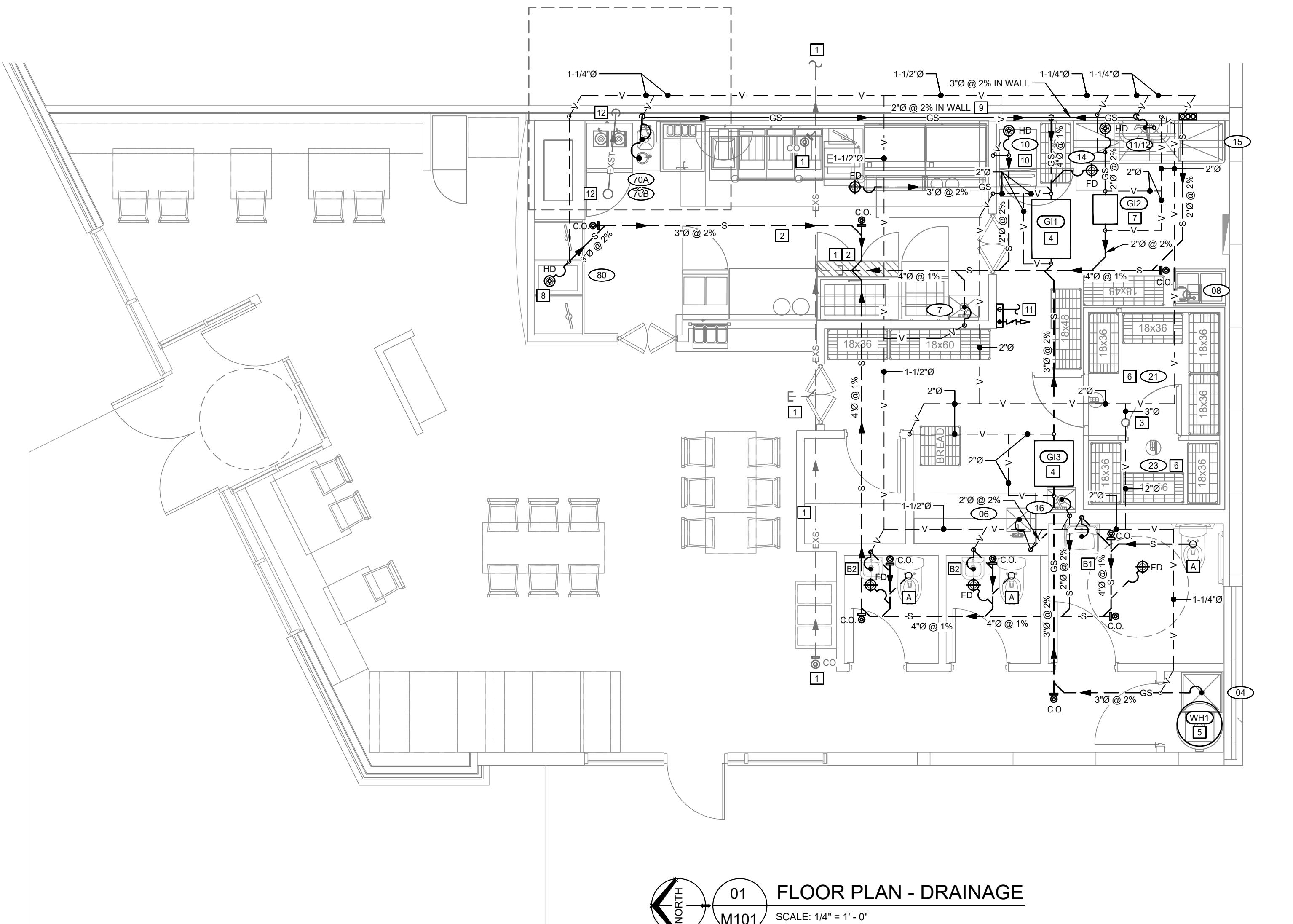
DRAWING NO. M000

INTERICS

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

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. SANITARY VENTING SIZED PER LOCAL PLUMBING CODES BY MECHANICAL CONTRACTOR.
5. PROVIDE TRAP PRIMER OR TRAP SEALER FOR ALL FLOOR DRAINS. HUB DRAINS AND FUNNEL FLOOR DRAIN. REFER TO DETAIL. PROVIDE SANITARY VENTING FOR ALL FLOOR DRAINS. HUB DRAINS AND FUNNEL FLOOR DRAIN PER LOCAL PLUMBING CODE.
6. PROVIDE MAINTAIN ACCESS FOR ALL CLEAN OUTS.
7. COORDINATE WITH ARCH. FOR FURRED PLUMBING WALL AS REQUIRED.
8. 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.



DRAINAGE NOTES:

- 1 APPROXIMATE LOCATION OF EXISTING 4" O.D. SANITARY LINE C/W CAPPED 4" O.D. SANITARY CONNECTION FOR TENANT FUTURE CONNECTION TO REMAIN AS IS. CONTRACTOR TO INCLUDE A VIDEO CAMERA SURVEY TO DETERMINE THE EXACT LOCATION OF SANITARY SERVICES ON SITE.
- 2 EXTEND NEW 4" O.D. SANITARY LINE TO EXISTING SANITARY LINE. CONTRACTOR TO CONFIRM EXACT TIE-IN LOCATION ON SITE WITH LANDLORD.
- 3 APPROXIMATE LOCATION OF EXISTING 4" O.D. SANITARY LINE CAPPED @ 24" BELOW ROOF DECK BY LANDLORD. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE. EXTEND NEW SANITARY FIXTURE VENTS FROM NEW FIXTURES TO EXISTING SANITARY VENT LINE.
- 4 PROVIDE NEW FLOOR RECESSED GREASE INTERCEPTOR GI & GI0. REFER TO DETAIL FOR MORE INFORMATION. VENT GREASE INTERCEPTOR PER PLUMBING CODE. ENSURE NO CONFLICT WITH UNDERGROUND FOOTING AND EQUIPMENT LEGS. PROVIDE ACCESS EXTENSION RISER KIT TO ACCOMMODATE DEEPER INVERTS AS REQUIRED. PROVIDE T-FITTING FOR SAMPLING. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION.
- 5 PROVIDE CEILING HUNG WATER HEATER ABOVE MOP SINK. DRAIN TO MOP SINK. TERMINATE PRESSURE RELIEF DOWN PIPE 12" ABOVE BOTTOM OF MOP SINK. REFER TO DETAILS. COORDINATE WITH STRUCTURAL ENGINEER TO ENSURE ADEQUATE MOUNTING SUPPORT.
- 6 CONTRACTOR TO SUPPLY AND INSTALL 3/4" O.D. COPPER DRAIN LINE WITH MINIMUM 15% SLOPE FROM WALK IN COOLER & FREEZER DRAIN POTS TO THE NEAREST DRAIN POINT. TRAP REQUIRED OUTSIDE OF BOX. CONTRACTOR TO CONFIRM ON SITE.
- 7 DRAIN DISHWASHER TO HUB DRAIN THEN DRAIN HUB DRAIN TO DEDICATED FLOOR RECEIVED GREASE INTERCEPTOR GI2. PROVIDE DISCHARGE TEMPERING VALVE TO DISHWASHER AS REQUIRED. COORDINATE WITH EQUIPMENT SUPPLIER. VENT GREASE INTERCEPTOR PER PLUMBING CODE. ENSURE NO CONFLICT WITH UNDERGROUND FOOTING AND ANY KITCHEN EQUIPMENT LEGS. PROVIDE EXTENSION RISER KIT TO ACCOMMODATE DEEPER INVERTS AS REQUIRED. PROVIDE T-FITTING FOR SAMPLING. REFER TO DETAILS FOR MORE INFORMATION.
- 8 EXTEND DRAIN PIPE FROM POP MACHINE TO HUB DRAIN. COORDINATE EXACT DRAIN LINE ROUTING WITH EQUIPMENT SUPPLIER. ENSURE TO PROVIDE AIR GAP BETWEEN DRAIN LINE TO HUB DRAIN.
- 9 COLLECT FRONT OF BAR PLUMBING FIXTURES IN PLUMBING WALL TO ONE POINT AND RUN IN PLUMBING WALL THEN TO GI1.
- 10 EXTEND DRAIN PIPE FROM ICE MACHINE TO HUB DRAIN. COORDINATE EXACT DRAIN LINE ROUTING WITH EQUIPMENT SUPPLIER. ENSURE TO PROVIDE AIR GAP BETWEEN DRAIN LINE TO HUB DRAIN.
- 11 PROVIDE TRAP PRIMERS CONTROL PANEL TO BE INSTALLED IN ACCESSIBLE LOCATION. MOUNTED MIN. 80" A.F.F. COORDINATE EXACT LOCATION ON SITE. ELECTRONIC TRAP PRIMER (ETP) SUCH AS ZURN Z1020 IS PREFERRED. PEX TUBING ACCEPTABLE FOR TRAP PRIMER PIPING. REFER TO DETAIL FOR MORE INFORMATION. INSTALL TRAP PRIMER AND PIPING PER MANUFACTURER INSTRUCTION.
- 12 EXISTING STORM LINE FROM ROOF DRAIN ABOVE AND DROP DOWN ALONG COLUMN TO UNDER SLAB TO REMAIN AS IS. CONTRACTOR TO CONFIRM EXACT STORM LINE ROUTING ON SITE. PROVIDE MAINTAIN ACCESS FOR STORM LINE CLEAN OUT.

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2023-11-14

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ISSUE: DATE:
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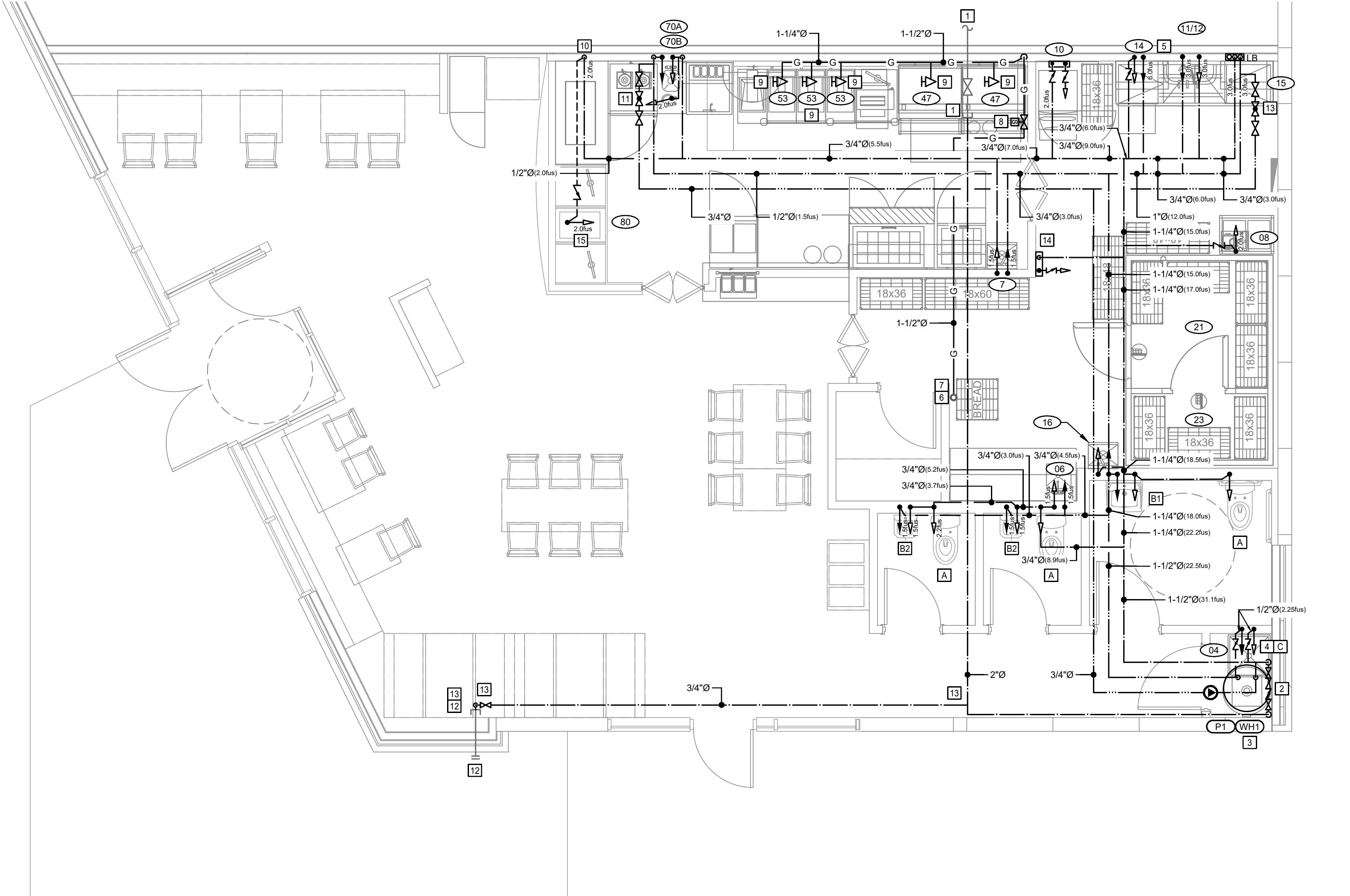
PROJECT TITLE
FATBURGER CHILLIWACK
45610 LUCKAKUCK WAY, CHILLIWACK, BC

DRAWING TITLE
FLOOR PLAN - DRAINAGE

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

DRAWING NO. **M101**

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



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

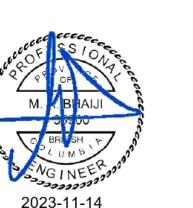
GENERAL NOTES:

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING BID PRICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTOR'S COST.
2. LOCATION OF EXISTING SERVICES ARE APPROXIMATE.
3. WHERE DISCREPANCIES ARE FOUND, CONTACT 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"Ø 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 ON MAIN WATER SUPPLY LINE INSTALL 60° A.F.F. FOR EASY ACCESS AND EXTEND NEW 2"Ø COLD WATER LINE FROM EXISTING TO TENANT NEW PLUMBING. 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"Ø COLD AND HOT WATER LINES TO AND FROM HOT WATER TANK & 1-1/2"Ø RECIRCULATE 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"Ø HOT WATER CONNECTION TO DISHWASHER. PROVIDE 1/2" COLD WATER FOR TEMPERING VALVE WHERE DISCHARGE TEMPERATURE IS ABOVE 162°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 DROP NEW 1-1/2"Ø GAS LINE FROM ROOF ABOVE AND THEN RUN IN CEILING HIGH LEVEL TO TENANT NEW GAS FIRED EQUIPMENT AS SHOWN PIANO PLAN.
- 8 EXTEND NEW 1-1/2"Ø 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 LINE WHEN FIRE ALARM 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 10' 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 1-1/2"Ø COLD WATER LINE IN WALL AND RUN COLD WATER LINE IN UNDER COUNTER TO FRONT BAR POP MACHINE LOCATION.
- 11 PROVIDE 3/4"Ø THERMOSTATIC BALANCING VALVE C/W SHUT OFF VALVE AS SHOWN ON DRAWING. THERMOSTATIC BALANCING VALVE TO BE CIRCUITSOLVER MODEL NO. CS-34-155. INSTALL BALANCING VALVE 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"Ø COLD WATER LINE FROM NEW 2"Ø MAIN COLD WATER LINE C/W SHUT OFF VALVE TO EXISTING HOSE BIBB CONNECTION.
- 14 EXTEND NEW 1-1/2"Ø 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 BOX 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.

ELECTRICAL / MECHANICAL ENGINEERS
EMBE
Consulting Engineers Inc.
121 15th AVENUE SE, CALGARY, AB, T2G 1G1
403-460-2277 | info@embeconsulting.ca



2023-11-14

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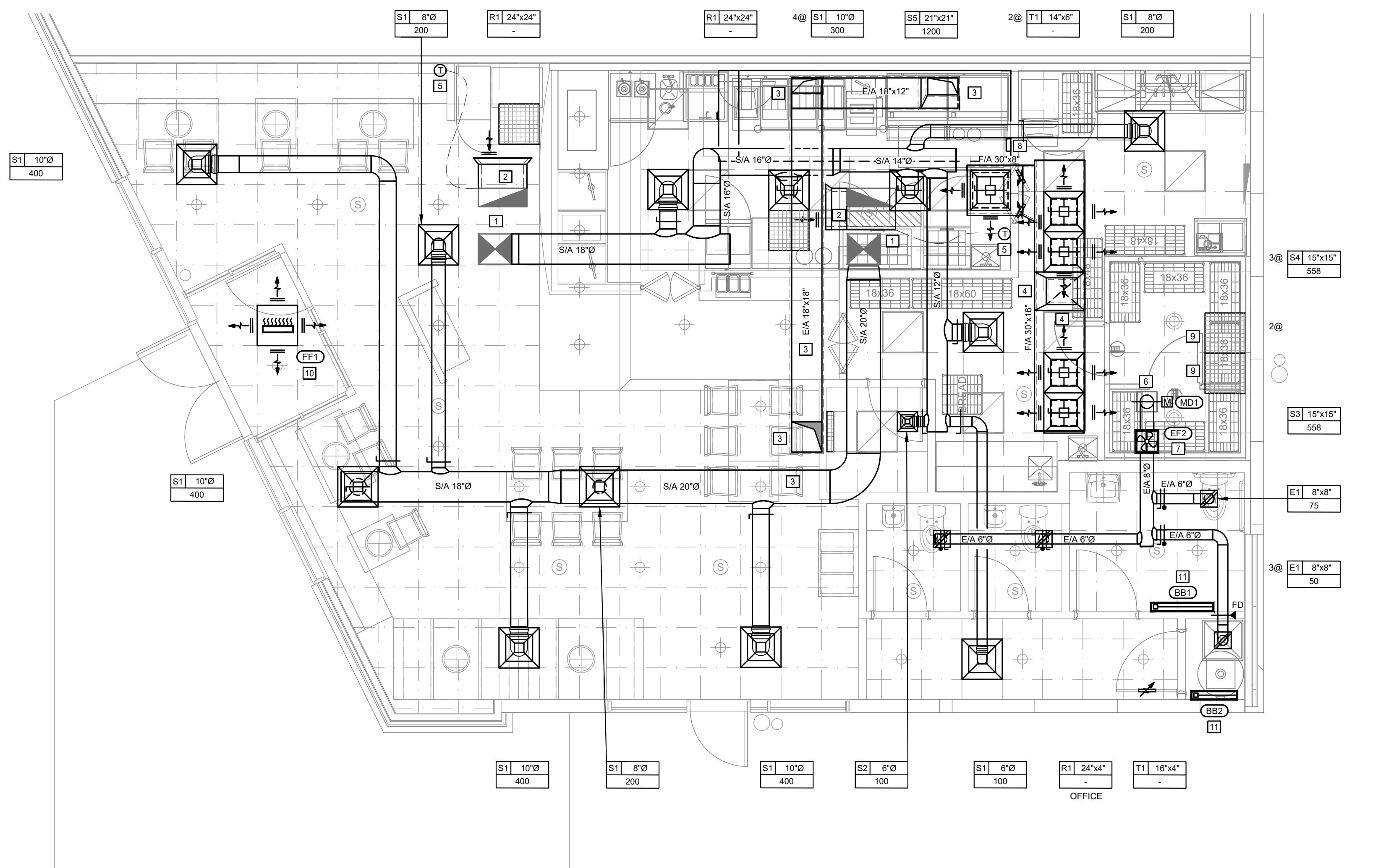
PROJECT TITLE
FATBURGER CHILLWACK
45611 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE
FLOOR PLAN - PLUMBING

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

DRAWING NO.
M201

INTERICS
5011 Centre St NW, Calgary, AB T2K 0S9
P: 403-265-2252 F: 403-265-2258
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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 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. ALL BRANCH DUCTWORK TO HAVE BALANCING DAMPERS.
5. CONTRACTOR TO RUN ALL DUCTWORK AT HIGHEST LEVEL POSSIBLE, WHERE JOIST SPACING AND WEBBING ALLOWS DUCTWORK TO BE RUN IN JOIST SPACE.
6. ALL EXHAUST HOOD DUCT WORK TO COMPLY TO NFPA 96 REQUIREMENTS. ENSURE ALL CLEARANCE AND ACCESS IS PROVIDED.
7. COORDINATE WITH LIGHTING & SPEAKER LAYOUT.
8. PROVIDE RETURN AIR OPENING AT FULL HEIGHT WALL IF NEEDED. CONFIRM ON SITE.
9. 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.
10. CONTRACTOR TO PROVIDE SEPARATE PRICE FOR DUCTED RETURN IF THE BASE BUILDING IS WOOD CONSTRUCTION. CONFIRM ON SITE.

ELECTRICAL / MECHANICAL ENGINEERS

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



2023-11-14

PERMIT # 1000420

HVAC NOTES:

- 1 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.
- 2 PROVIDE ACOUSTICALLY-LINED RETURN AIR ELBOW.
- 3 EXTEND NEW 18"X18" KITCHEN EXHAUST DUCT FROM EXHAUST HOOD COLLAR AND RUN IN CEILING SPACE AND UP THROUGH ROOF TO ROOF MOUNTED EXHAUST PAN EF1. TRANSITION KITCHEN HOOD EXHAUST DUCT UP CW 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 DUCING TO BE 16 GAUGE AND 10 FEET FROM COMBUSTIBLES. LIMITED COMBUSTIBLES AND NON-COMBUSTIBLES PER NFPA 96. PROVIDE 3M FIRE WRAP OR EQUIVALENT IF CLEARANCES CANNOT BE OBTAINED.
- 4 EXTEND NEW MAKE-UP AIR DUCT FROM MUA1 DISCHARGE AIR DUCT DROP CW TRANSITION DOWN TO TENANT BELOW TO 20"X19" 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.
- 5 RELOCATE 7-DAY PROGRAMMABLE THERMOSTAT WHERE SHOWN CW LOCKBOX. SET FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS.
- 6 APPROXIMATE LOCATION OF EXISTING ROOF OPENING FOR TENANT GENERAL EXHAUST AIR DUCT USE TO REMAIN. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE.
- 7 EXTEND NEW 8"Ø EXHAUST AIR DUCT FROM NEW CEILING MOUNTED EF2 UP THROUGH EXISTING ROOF OPENING CW MOTORIZED DAMPER, BACKDRAFT DAMPER, GOOSENECK & BIRDSCREEN. INSULATE EXHAUST DUCT 10 FEET BACK FROM ROOF OPENING.
- 8 PROVIDE REMOTE CONTROL PANEL FOR MUA1. CONTRACTOR TO CONFIRM EXACT LOCATION ON SITE. INSTALL PER MANUFACTURER INSTRUCTIONS.
- 9 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.
- 10 PROVIDE 4KW FORCE FLOW HEATER BY ELECTRICAL CONTRACTOR.
- 11 PROVIDE BASE BOARD HEATER BY ELECTRICAL CONTRACTOR.

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PROJECT TITLE
FATBURGER CHILLIWACK
45611 LUCKAKUCK WAY, CHILLIWACK, BC

DRAWING TITLE
FLOOR PLAN - HVAC

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

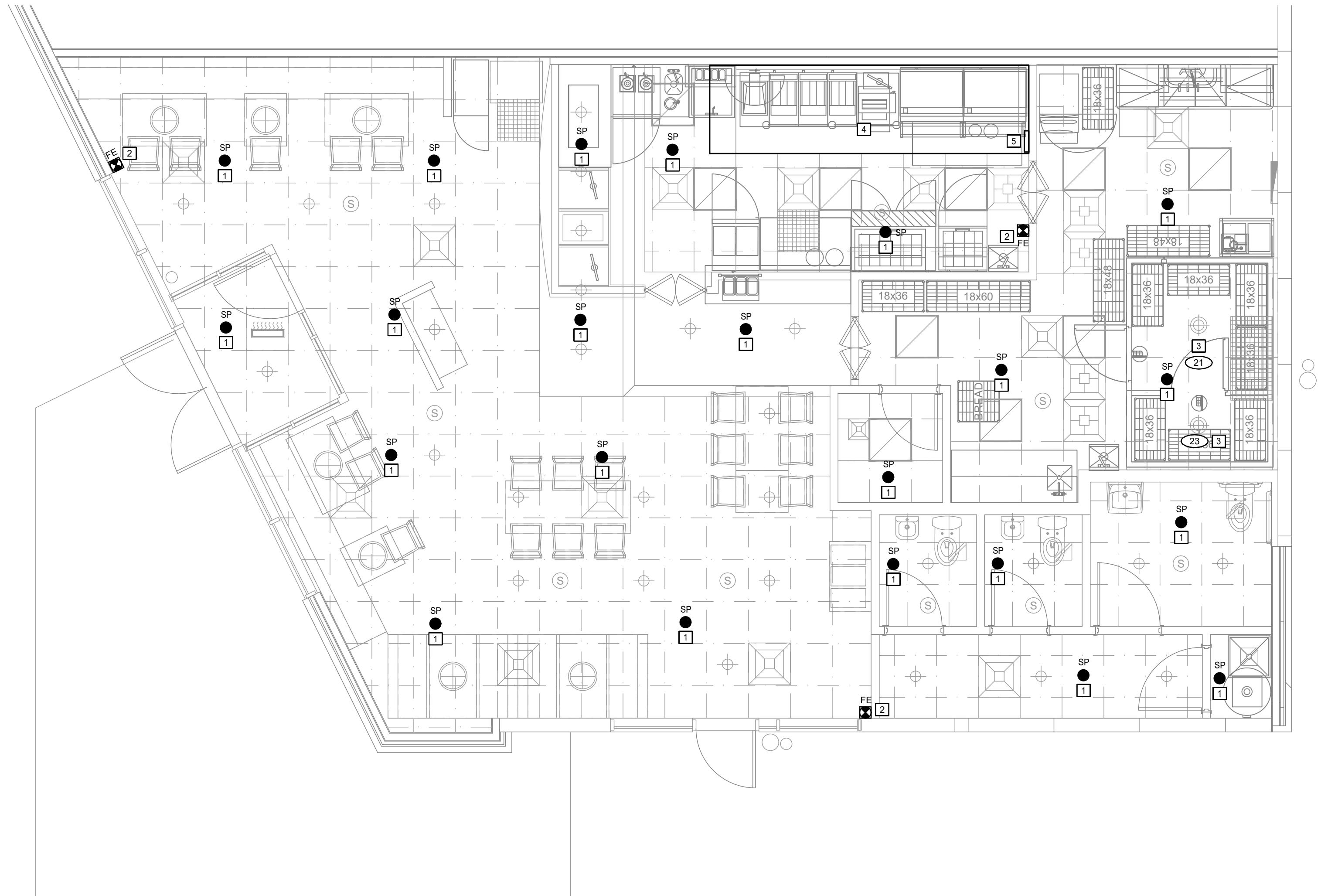
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CONTRACTOR TO CONFIRM EVERYTHING WITH CLIENT. CLIENT MUST SIGN OFF ON ALL DRAWINGS PRIOR TO COMMENCEMENT. CONTRACTOR MUST GIVE 10 WORKING DAYS NOTICE BEFORE SCHEDULED SITE INSPECTIONS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DESIGNER. DRAWINGS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

GENERAL NOTES:

1. BIDDING CONTRACTORS ARE TO VISIT SITE TO VERIFY EXISTING INFORMATION PRIOR TO SUBMITTING BID. PRICE IS THE CONTRACTOR'S RESPONSIBILITY TO BRING FORWARD ANY DISCREPANCIES PRIOR TO BID BEING SUBMITTED. ANY CHANGES BROUGHT FORWARD DUE TO EXISTING CONDITIONS POST TENDER SHALL BE AT CONTRACTOR'S 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.



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

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.

ELECTRICAL / MECHANICAL ENGINEERS

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



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FATBURGER CHILLWACK
45610 LUCKAKUCK WAY, CHILLWACK, BC

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5011 Centre St. NW Calgary, AB T2K 0S9
P: 403-265-2252 F: 403-265-2256
www.interics.ca

ELECTRICAL / MECHANICAL ENGINEERS

EMBE
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121 15th AVENUE SE, CALGARY, AB, T2G 1G1
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FATBURGER CHILLWACK
45610 LUCKAKUCK WAY, CHILLWACK, BC

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**ROOF PLAN -
MECHANICAL**

DATE JUNE 2023
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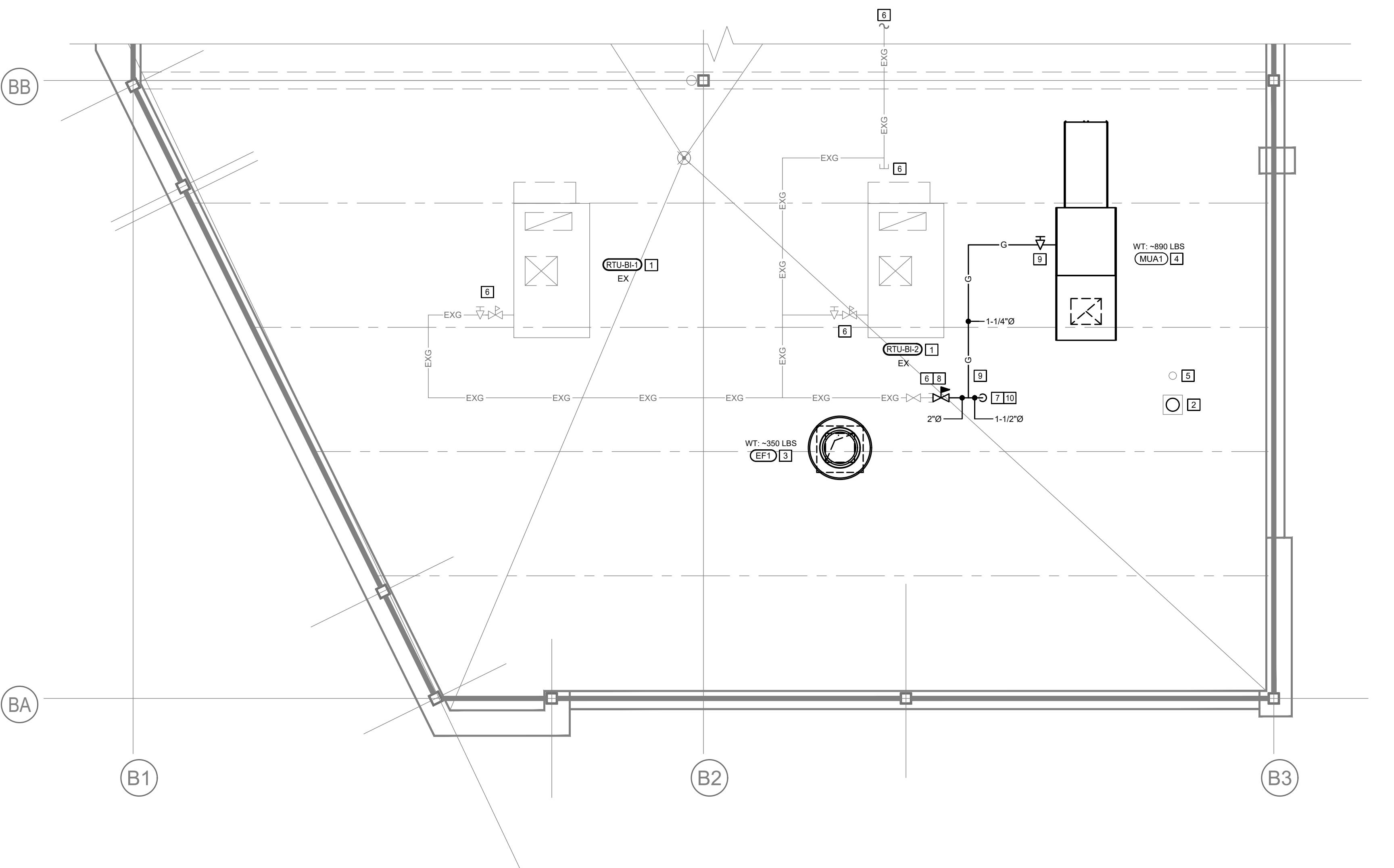
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GENERAL NOTES:

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 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 3 TONS (2000 CFM) RTU B1-2 AND 4 TONS RTU B1-1 (1800 CFM) FROM BASE BUILDING C/W ASSOCIATED SCA LINE ON ROOF TO REMAIN AS IS. CONTRACTOR TO VERIFY EXACT LOCATION & SPECIFICATION ON SITE. FAN TO RUN CONTINUOUSLY DURING OCCUPIED 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" 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"X10" EXHAUST AIR DUCT FROM EXHAUST AIR DUCT BELOW AND UP THROUGH ROOF OPENING C/W 3M FIRE WRAP TO 10' FT DIA DUCT. EXTEND NEW 10' FT DIA DUCT 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 MUA 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" 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" GAS LINE WITH TOTAL 2273 MBH CAPACITY @ 25PSI. EXTEND NEW RTUS C/W PRV AND GAS COCK AND CAPPS AND VALVE 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 1" GAS LINE C/W PRV FROM EXISTING GAS LINE CONNECTION TO TENANT NEW UNITS AND KITCHEN EQUIPMENT.
- 9 EXTEND 1-1/4" GAS LINE FROM NEW 2" GAS LINE TO NEW MUA1 GAS COCK. CONTRACTOR TO CONFIRM EXACT GAS ROUTING ON SITE.
- 10 EXTEND 1-1/2" GAS LINE FROM NEW 2" GAS LINE ON ROOF THEN DROP DOWN THROUGH EXISTING ROOF JACK TO TENANT NEW KITCHEN EQUIPMENT. REFER TO DRAWING M102 FOR CONTINUITY.

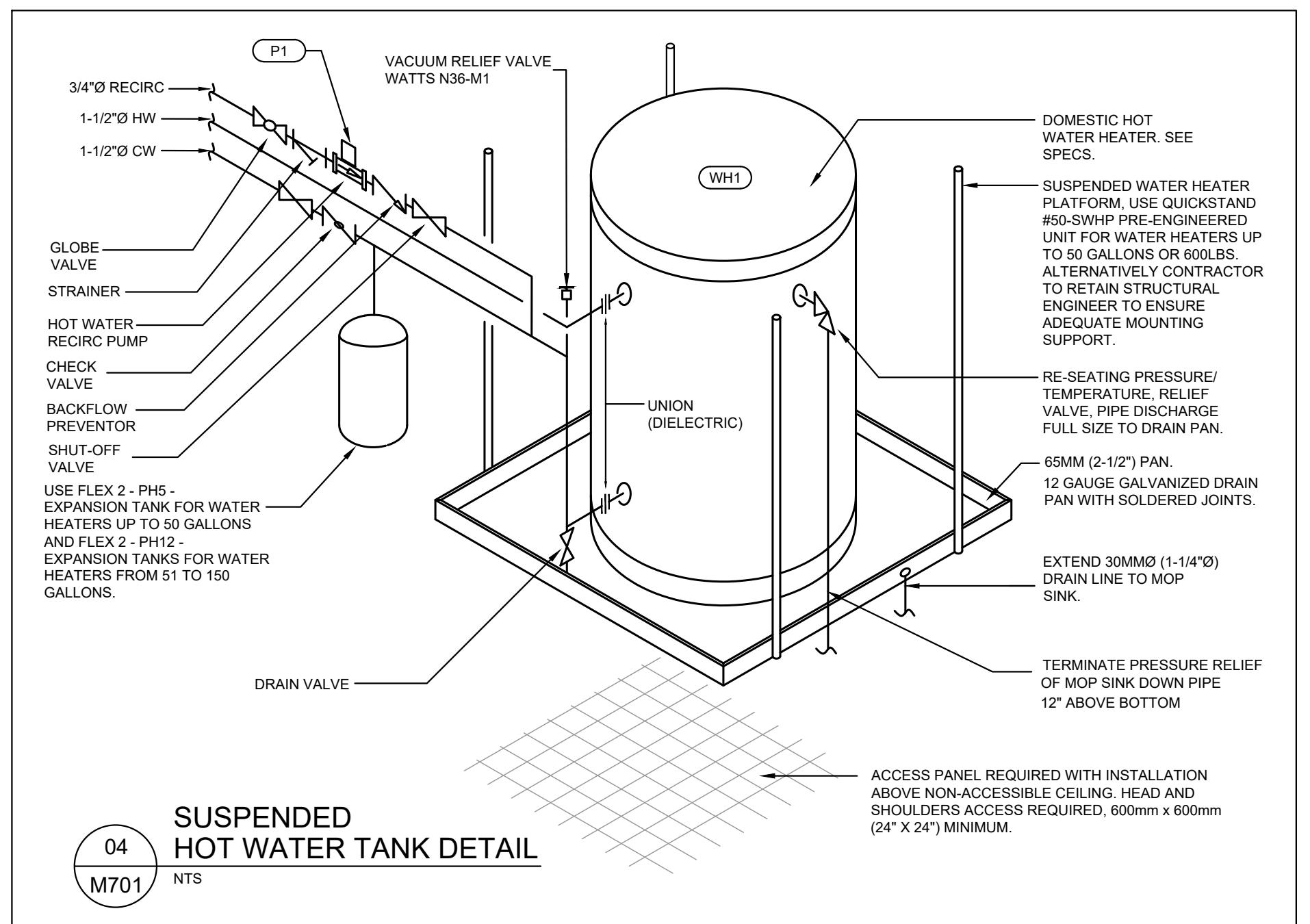
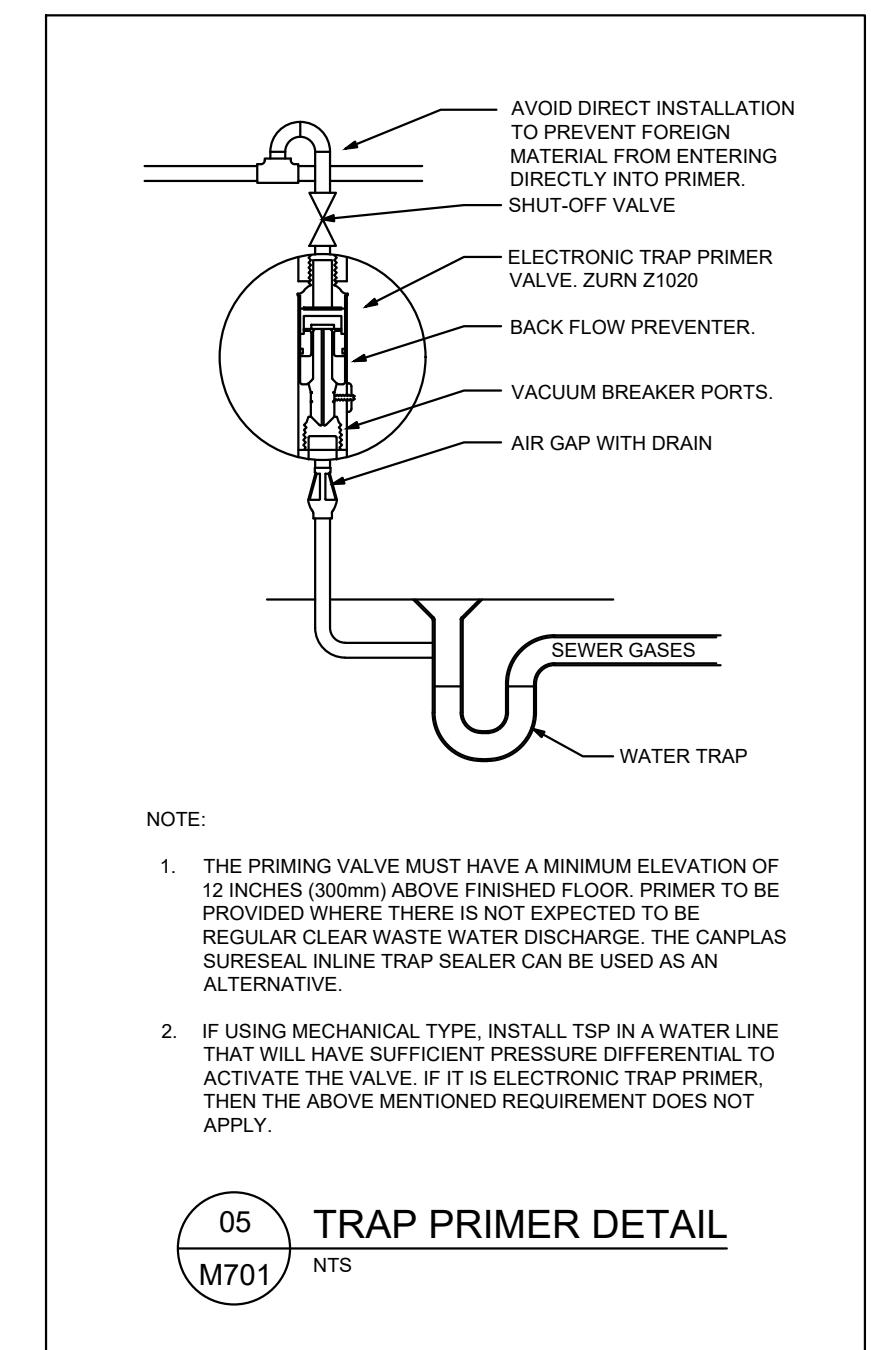
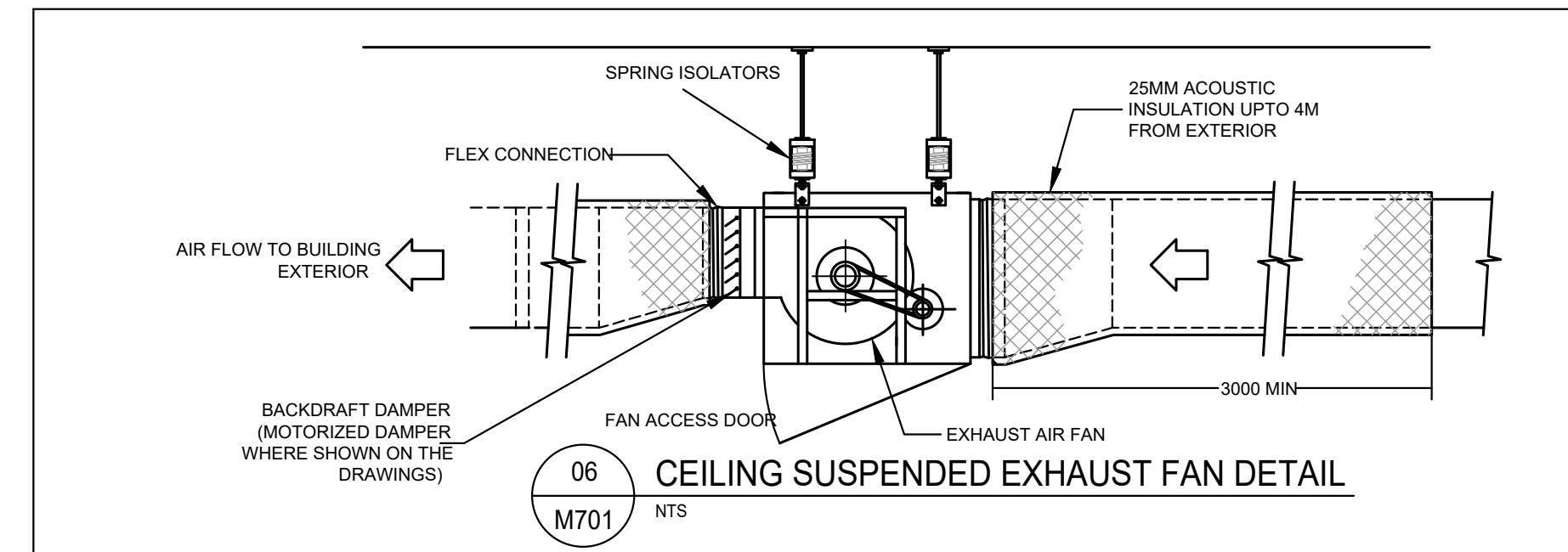
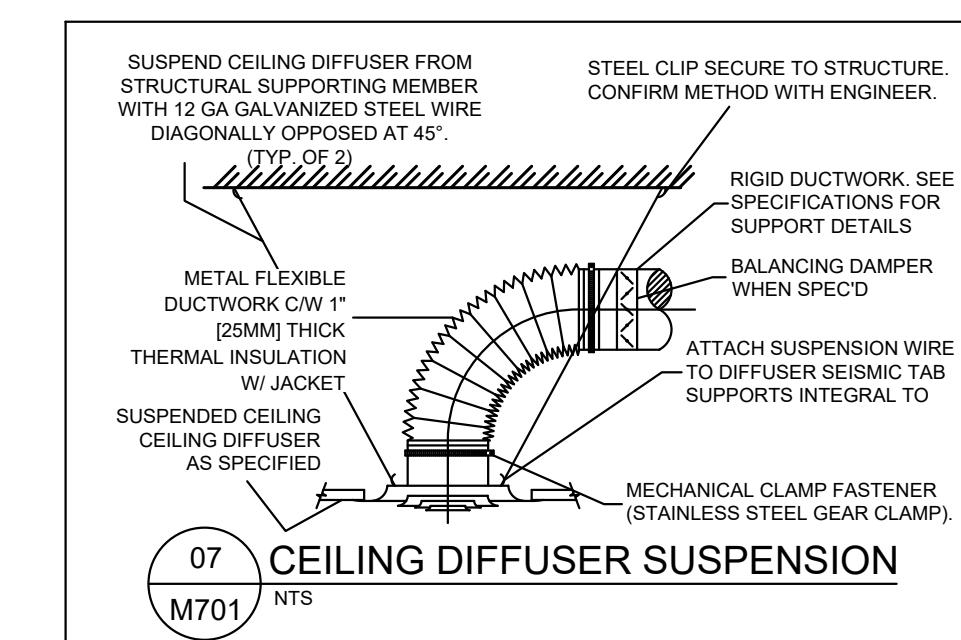


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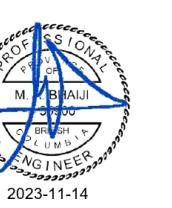
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ELECTRICAL / MECHANICAL ENGINEERS
EMBE
Consulting Engineers Inc.
121 15th AVENUE SE, CALGARY, AB, T2G 1G1
403-460-2277 | info@embeconsulting.ca



2023-11-14

PERMIT # 1000420

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

REVISION: DATE:



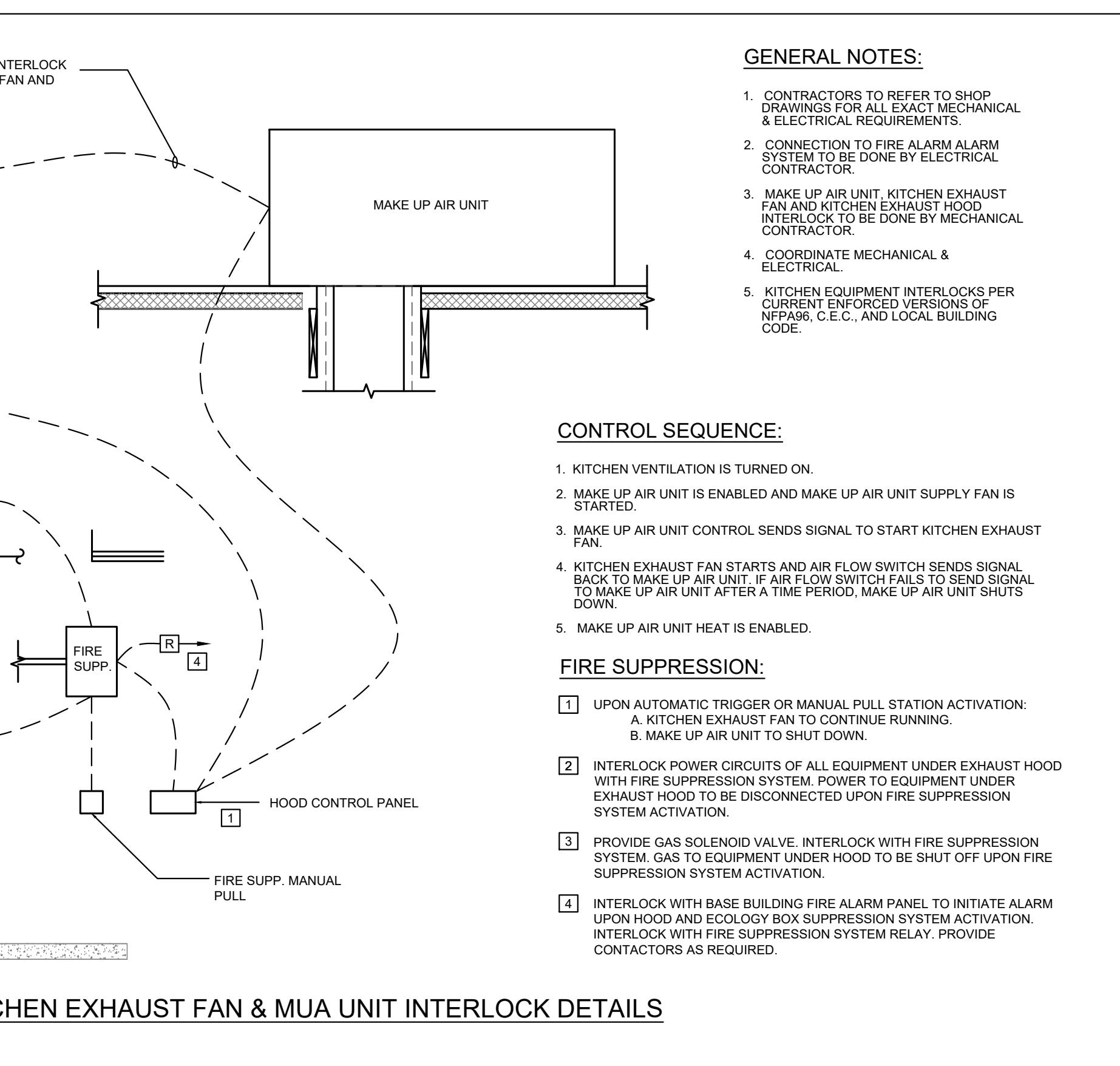
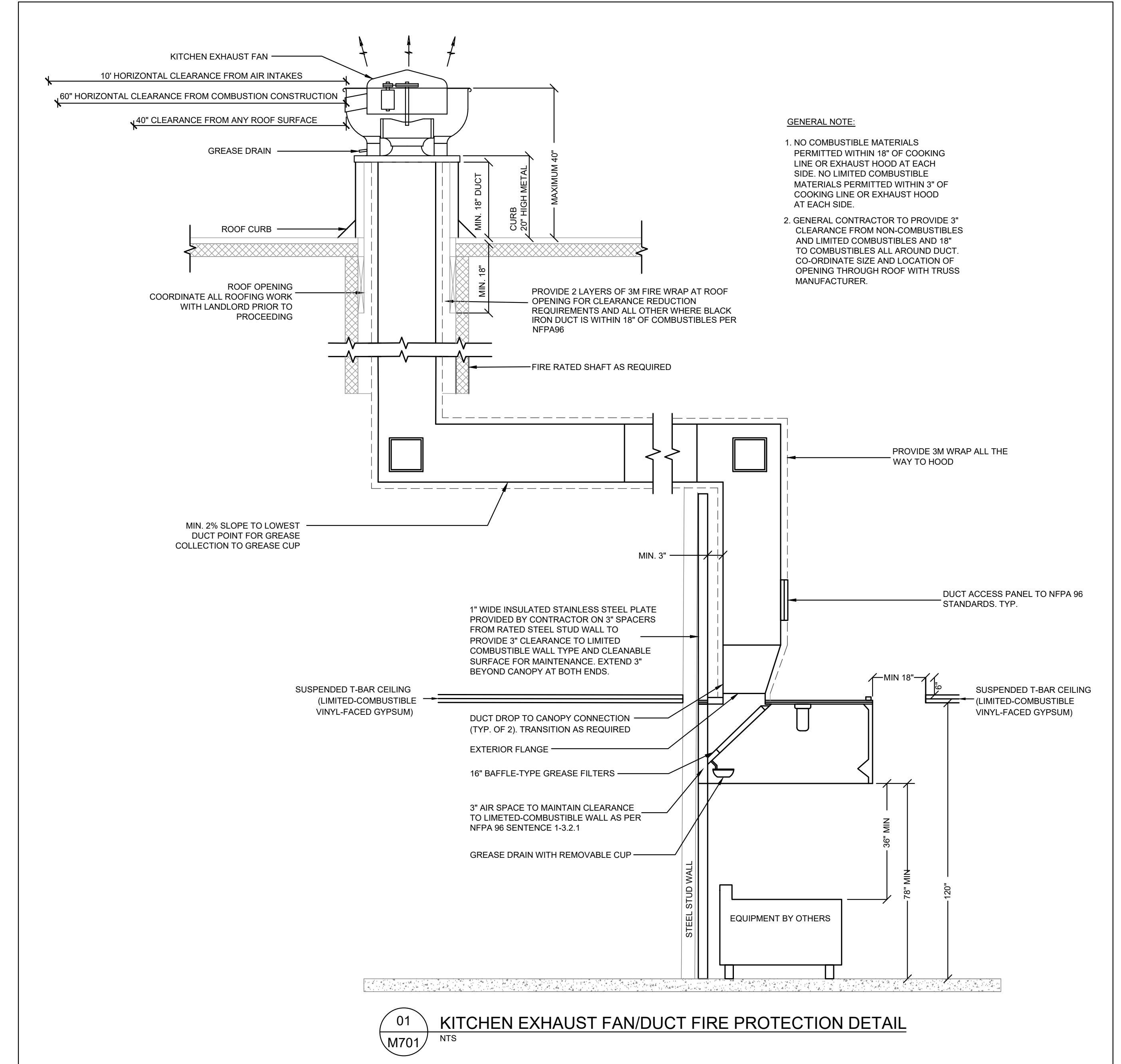
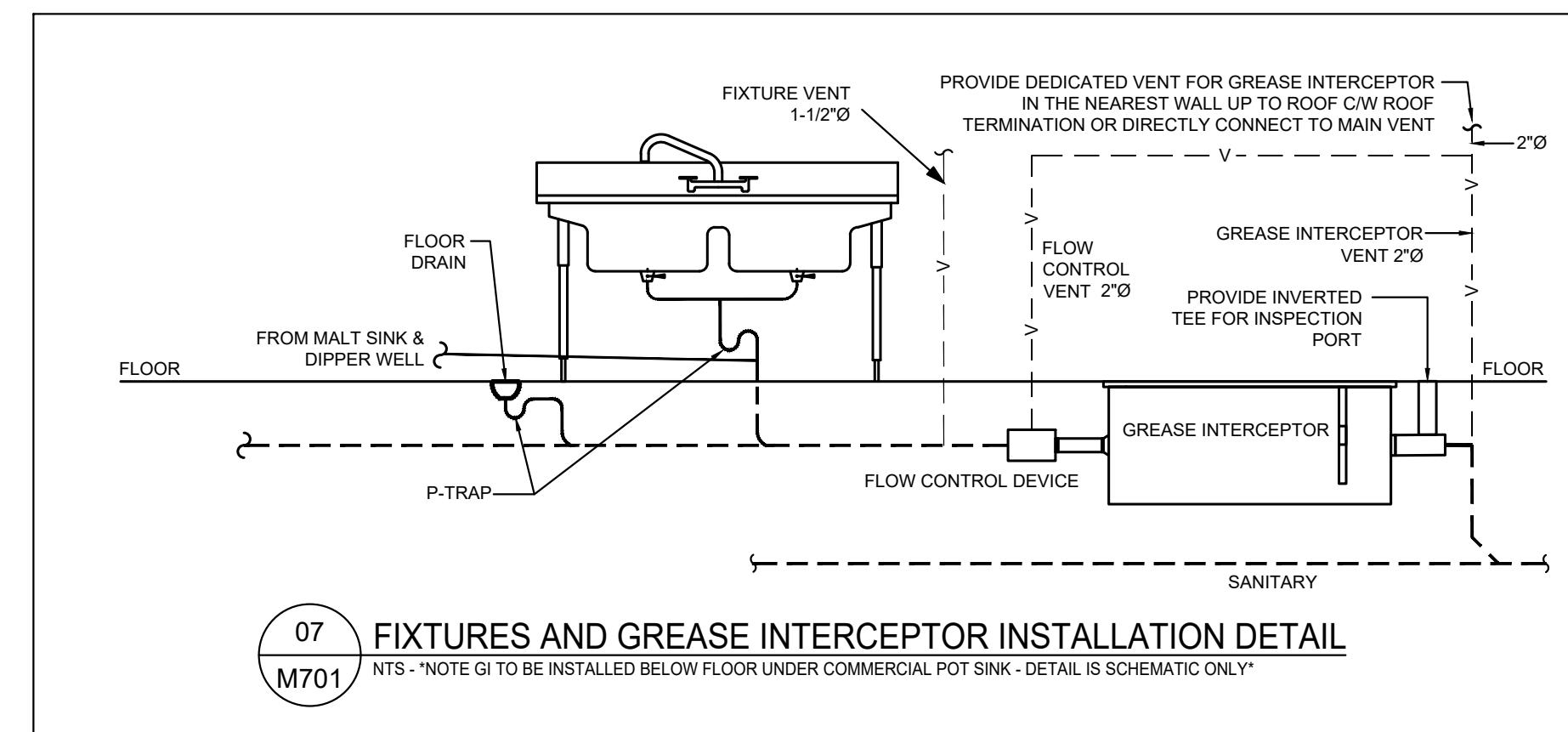
PROJECT TITLE
FATBURGER CHILLWACK
45610 LUCKAKUCK WAY, CHILLWACK, BC

DRAWING TITLE
MECHANICAL DETAILS

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

DRAWING NO.
M701

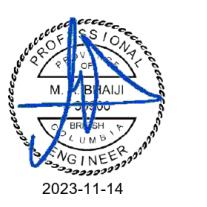
INTERICS
5011 Centre St. NW, Calgary, AB T2K 0S9
P: 403-265-2252 F: 403-265-2258
www.interics.ca



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

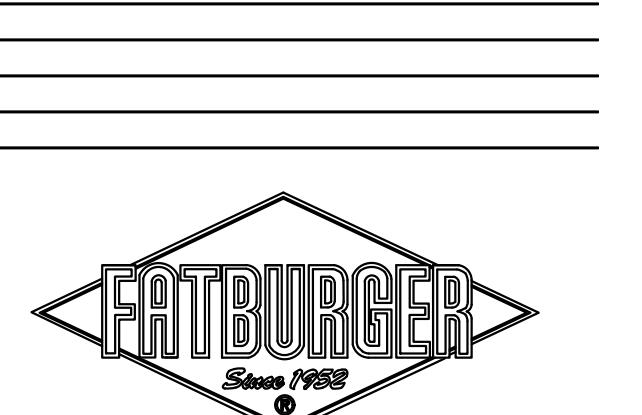


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REVISION: DATE:



PROJECT TITLE
FATBURGER CHILLWACK

DRAWING TITLE
MECHANICAL
SPECIFICATIONS

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

DRAWING NO.
M801

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

MECHANICAL SPECIFICATION

- SITE CONDITIONS
 - BEFORE TENDERING:
 - EXAMINE SITE AND OBTAIN ALL CONDITIONS AFFECTING THE WORK OF THIS DIVISION.
 - OBTAINT ALL ADDENDA AND CLARIFICATIONS.
 - EXAMINE ALL DRAWINGS, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL AND REPORT ANY DISCREPANCIES AT ONCE AND IN TIME FOR VERIFICATION AND CORRECTION OF DRAWINGS AND SPECIFICATIONS.
 - SCOPE
 - PROVIDE ALL LABOUR, MATERIALS, EQUIPMENT, SERVICES TO COMPLETE THE WORK OF THE MECHANICAL DIVISION AS SPECIFIED HERE-IN AND AS SHOWN ON THE DRAWINGS.
 - COMMISSION ALL SYSTEMS, ADJUST AND BALANCE THE SYSTEMS TO MAKE FULLY OPERATIONAL PRIOR TO TURN OVER TO THE OWNER.
 - 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.
 - OBTAIN WRITTEN ACCEPTANCE FROM THE OWNER THAT THE OWNERS OPERATING PERSONNEL ARE FULLY CONVERSANT WITH ALL SYSTEMS.
 - INTENT THE DRAWINGS AND SPECIFICATIONS
 - 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.
 - 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 FURNITURE.
 - INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO PREVENT INTERFERENCE. WITH PRIOR APPROVAL LOCATIONS AND ROUTES OF SERVICES MAY BE CHANGED PROVIDED THE DESIGN CONDITIONS ARE NOT CHANGED AND NO EXTRA COST IS INVOLVED.
 - CONFIRMATION OF INSTALLATION
 - CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION TO THE DESIGN ENGINEER OF THE FOLLOWING:
 - THE DATE OF PROPOSED CONSTRUCTION START FOR INSTALLATION OF MECHANICAL SYSTEMS.
 - 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.
 - 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.
 - THE DATE OF EQUIPMENT START-UP. NOTIFY THE ENGINEER 48 HOURS PRIOR TO START-UP DATE AND TIME.
 - THE DATE OF FINAL FINISHING. NOTIFY THE ENGINEER 48 HOURS PRIOR TO COMPLETION AND ARRANGE FOR A REVIEW OF THE INSTALLATION.
 - THE DATE OF TURN OVER TO THE OWNER.
 - CODES AND REGULATIONS
 - ALL WORK IS INTENDED TO COMPLY WITH THE LATEST APPLICABLE PROVINCIAL BUILDING CODES. LOCAL CODES SHOULD THE DOCUMENTS INDICATE CONSTRUCTION METHODS OR DETAILS OF THE DESIGN, THE WORK SHALL BE DONE TO CONFORM TO CODE STANDARDS. HOWEVER, IN NO INSTANCE SHALL THE STANDARDS ESTABLISHED BY THE DOCUMENTS BE REDUCED.
 - PERMITS AND FEES
 - PROVIDE ALL NOTICES, OBTAIN THE NECESSARY PERMITS AND PAY ALL FEES WHICH ARE REQUIRED TO COMPLETE THE WORK SPECIFIED HEREIN.
 - 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.
 - CO-ORDINATION
 - OBTAINT CLARIFICATION FROM ENGINEER WHERE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS NOT CLEAR.
 - STANDARDS OF MATERIALS AND WORKMANSHIP
 - ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UNIFORMLY 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, CSA/RAE, ASME, NFPA, ASTM, CUA, CGA, ETC. WHERE THE LATEST EDITION SHALL APPLY. EQUIPMENT AND MATERIAL NOT OF THIS STANDARD SHALL BE REMOVED AND REPLACED.
 - SUBMITTAL OF SHOP DRAWINGS
 - SHOP DRAWINGS MUST BE SUBMITTED FOR ALL EQUIPMENT AND SYSTEMS TO BE INSTALLED.
 - SHOP DRAWINGS SHALL BE SUBMITTED IN NO LESS THAN SIX (6) COPIES.
 - GUARANTEE
 - GUARANTEE ALL LABOR, MATERIALS, EQUIPMENT ETC. INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF 12 MONTHS AFTER FINAL ACCEPTANCE OF THE COMPLETED CONTRACT.
 - EXTENDED WARRANTY AS PROVIDED BY SOME EQUIPMENT SUPPLIERS SHALL IN NO WAY BE VOIDED BY THIS CLAUSE.
 - FOREMANS SUPERVISION
 - 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.
 - MAINTENANCE OF A CLEAN AND SAFE PROJECT
 - REMOVE ALL DEBRIS PERTAINING TO THIS PORTION OF THE CONTRACT, AT REGULAR INTERVALS TO MAINTAIN A CLEAN AND SAFE PROJECT.
 - ABIDE BY ALL PROVINCIAL AND FEDERAL SAFETY REGULATIONS.
 - RECORD DRAWINGS
 - PROVIDE THE OWNER WITH TWO (2) SETS OF RECORD DRAWINGS.
 - SHOW RECORD CONDITIONS WITH RESPECT TO MATERIALS, SIZES, ROUTES AND LOCATION. PLOT LOCATIONS OF ACCESS DOORS, VALVES, DAMPERS, ETC.
 - PLOT ACCURATELY ALL UNDERGROUND PIPING, DUCTWORK, ETC. SHOWING INVERT ELEVATIONS, CLEAN-OUTS, ETC.
 - 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.
 - OPERATING AND MAINTENANCE MANUALS AND INSTRUCTIONS
 - 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.
 - ADVISE AND INSTRUCT THE OWNER OR HIS REPRESENTATIVE ON THE LOCATION, FUNCTION AND GENERAL MAINTENANCE AND OPERATION OF ALL EQUIPMENT PARTS INSTALLED.
 - SLEEVES, ESCUTCHEONS, FIRE PROOFING
 - 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.
 - SLEEVES SHALL BE SIZED APPROPRIATELY TO OBTAIN THE REQUIRED ANNULAR SPACE FOR THE INSTALLATION OF SEALS, FIRE STOPPING MATERIALS, ETC.
 - IN FINISHED AREAS INSTALL ESCUTCHEON PLATES TO CONCEAL THE SLEEVE SEALING MATERIALS.
 - WHERE SLEEVES OR OPENINGS ARE INSTALLED IN WALLS, FLOORS, ROOF OR PARTITIONS, COMMUNICATE WITH OUTSISTS, PROVIDE ALL APPROPRIATE SEALS, FITTINGS, BARRIERS, FIRE-RESISTANT MATERIALS AND STORE 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 RATINGS. 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.

- SYSTEM ACCEPTANCE AND TURN OVER PROCEDURES
 - 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.
 - ALL SYSTEMS AND EQUIPMENT SHALL BE OPERATIONAL, BALANCED, AND IN GOOD WORKING CONDITION.
- ELECTRIC MOTORS
 - ELECTRIC MOTORS FOR ALL DRIVEN EQUIPMENT SUPPLIED BY THIS DIVISION SHALL BE PROVIDED AND INSTALLED BY THIS DIVISION.
- NAMEPLATES, VALVE TAGS, PIPE AND DUCTWORK IDENTIFICATION
 - EACH PIECE OF MECHANICAL EQUIPMENT SHALL BE COMPLETE WITH A LAMINOID NAMEPLATE SECURELY FASTENED IN A CONSPICUOUS PLACE ON THE EQUIPMENT.
- PIPING HANGERS AND SUPPORTS
 - INSTALL ALL PIPING AND EQUIPMENT USING APPROVED HANGERS AND SUPPORTS REQUIRED FOR A SAFE AND TRADEMANLIKE INSTALLATION.
 - 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)
8 (200MM) TO 12 (300MM)	7/8 (22MM)
- HANGER SPACING FOR PLUMBING AND DRAINAGE SERVICES SHALL COMPLY WITH THE PLUMBING CODE.
- HANGER SPACING FOR FIRE PROTECTION SERVICES SHALL COMPLY WITH THE NFPA CODES.
- HANGER SPACING FOR OTHER SERVICES SHALL BE AS FOLLOWS:

NOMINAL PIPE DIAMETER	MAXIMUM SPAN
UP TO AND INCLUDING 1 (25MM)	7-0 (2.1M)
1-1/2 (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 SCALE.
 - RED READING ORGANIC LIQUID FILLED TUBE.
 - WHITE PVC MOUNTING CASE WITH CLEAR LENS.
 - RANGE NORMALLY 320 TO 2400F (0 TO 1150C) FOR HOT WATER AND 00 TO 1200F (-170 TO 490C) FOR CHILLED WATER.
 - TEMPERATURE MARKING IN 2OF (1OC) INCREMENTS, IN BOTH IMPERIAL AND METRIC SCALES.
- 2 PROVIDE THERMOMETERS IN THE FOLLOWING LOCATIONS IN PIPELINES:
 - EACH HOT OR COLD WATER STORAGE TANK.
 - WHERE SPECIFICALLY SHOWN.

21. TESTING AND BALANCING, AIR

- 1 BALANCE THE COMPLETE AIR SYSTEM INCLUDING AIR VOLUMES AND CONTROL SETTINGS UNDER MAXIMUM SYSTEM PRESSURE DROP CONDITIONS (FILTER AT RELOCATION POINT). THE ENTIRE SYSTEM SHALL BE TESTED FOR NOISE, TIGHTNESS, LEAKS AND AIR BALANCE. ALL 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
 - INTERIOR ABOVE GROUND
 - 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
 - PLASTIC PIPING MAY BE USED UNDERSLAB ONCE PRIOR APPROVAL IS OBTAINED FROM LOCAL AUTHORITIES AND ENGINEER.
 - INTERIOR ABOVE GROUND
 - 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.

23. 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 TAPE 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 JOINED.
- 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 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, AND WHERE EXCAVATION IS REQUIRED, WITH A 12INCHES DEEP PITT-RUN GRAVEL. THE SUBGRADE SOIL AND BEDDING SOIL BENEATH THE PIPES SHOULD NOT BE ALLOWED TO FREEZE IN THE WINTER. THE BACKFILL MATERIAL IN THE TRENCH SHOULD BE FREE OF ORGANIC AND FROZEN SOIL. ALL THE MATERIAL FOR FILLING THE DRAFFING TRENCHES SHOULD BE LARGELY 50MM LISTS COMPACTED TO 95% 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 RATE.
 - 3 WATER SYSTEMS (HOT/COLD DOMESTIC WATER)
 - 1 USE FULL PORT BALL VALVES WITH THREADED/LENDED ENDS FOR ISOLATIONS/HUOTOFF. PROVIDE STEM EXTENSIONS, AS NECESSARY TO ACCOMMODATE PIPE 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
1. DOMESTIC COLD & HOT WATER	25MM FOR ALL PIPE SIZES	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 FIBERGLASS FOIL DUCT INSULATION FOR 4 METERS BACK FROM EXTERIOR WALL
3. AIR CONDITION SUPPLY DUCT	25MM (MUA DUCT)	FLEXIBLE FIBERGLASS FOIL 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 FIBERGLASS 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 EPOXY FOR NFPA 96.	

- 4 ACCESS PORTS SHALL BE LAWSON-TAYLOR, 32MM DIAMETER.
- 5 FLEXIBLE CONNECTIONS SHALL BE VENTFABRICS, DURA DYNE OR DYNE-AIR. SUBMIT FLEXIBLE CONNECTIONS FOR REVIEW BEFORE INSTALLATION.
- 6 FIRE DAMPERS SHALL BE UNDERWITERS LABORATORIES LABELED. FIRE DAMPERS IN VENTILATION AIR DUCTS SHALL HAVE THE BLADES CLEAR OF THE AIR STREAM. FIRE-STOPPING ASSEMBLIES AS WELL AS OTHER UNDERRATED 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 PAPER, FIBREGLASS INSULATION WITH K VALUE AT 22 DEG C OF 0.035 MM DEG C COATED TO PREVENT FIBRE EROSION AT VELOCITIES UP TO 20MS/ 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 (0.3 KPA) STATIC PRESSURE AND UNDER 2000 FPM (10.0 M/S) VELOCITY. LONGITUDINAL 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 WIDTH BOXES AND ALL WASHDOWN 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 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. MINIMUM REQUIREMENT IS 3.0M EXTRADING FROM ANY SUPPLY FAN, AND TO ANY RETURN/EXHAUST FAN AND WHERE ELSE AS SHOWN ON THE LAYOUT DRAWINGS.
- 10 WHERE DUCT IS TO BE ACoustically LINED, DUCT DIMENSIONS SHOWN ARE NET, INSIDE OF LINING. INSTALL ACOUSTIC INSULATION INTERNALLY TO DUCTWORK WHERE SHOWN. MINIMUM REQUIREMENT IS 3.0M EXTRADING FROM ANY SUPPLY FAN, AND TO ANY RETURN/EXHAUST FAN AND WHERE ELSE AS SHOWN ON THE LAYOUT DRAWINGS.

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