

Attn: Kurtis Felker
Regional District of Nanaimo
6300 Hammond Bay Road
Nanaimo BC V9T 6N2

DATE: December 4, 2020

PROJECT No.: 0837-052

PROJECT NAME:

Meadowood Community Centre
1830 Galvin Place, Qualicum BC

From: Erich Streit, Arch HTL, Project Manager

Pages Following

ADDENDUM – 05

1. *This Addendum shall be read in conjunction with and considered as an integral part of the Contract Documents; revisions supersede the information contained in the original drawings, specifications or previously issued Addendum.*
2. *Tender Price submitted shall include all items of this Addendum.*
3. *No consideration will be allowed for any extras due to any bidder not being familiar with the contents of this Addendum.*

Addendum Information:

1. Architectural Drawings:

- 1.1. Refer to the attached drawings provided by GalleyWorks for the Kitchen equipment and layout
- 1.2. Correction to Door Schedule on Drawing A801: Doors D107 and D108 to be 4' wide

2. MSR Drawings:

- 2.1 The well has been drilled to 180' depth with approximately 10 gal/min. of water. The pump is part of this contract and to be included in the General Contractor's tender price. Refer to respective MSR drawings for all information.

3. Civil Drawings:

- 3.1. Asphalt content for ARP surfaces to be minimum 25%

4. Mechanical drawings/specifications - questions:

- 3.1 Refer to Mechanical Addendum No. 04 attached.

Per: _____ Erich Streit, Arch HTL

CC: Dean Banman - RDN
Mark Dobbs - RDN
BC Bid & RDN Website
All Sub-Consultants



DETAIL DRAWING

D.D.No:

20

Item: **Services Enclosure**

No:

20

Scale: 1:48

Date: 19/10/24

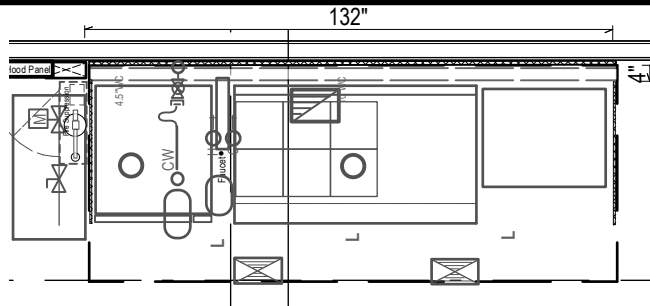
Rev:

Dr: 20

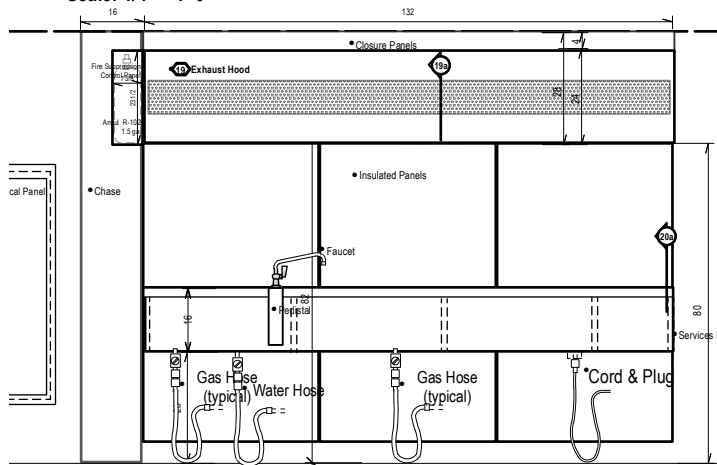
File: 703

Qty: 1

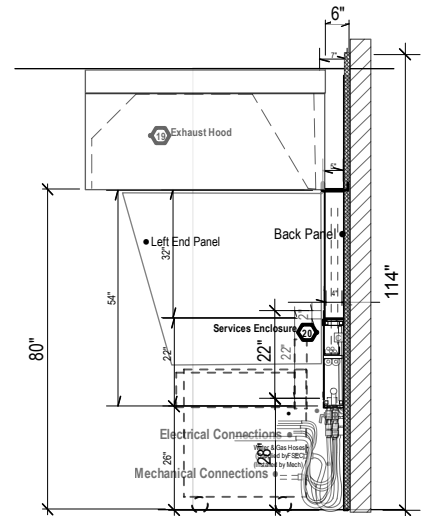
Category: Wall Mount Type: Single Sided Cantilevered



(A) Plan
Scale: 1/4" = 1'-0"



(B) Elevation
Scale: 1/4" = 1'-0"



(C) Section
Scale: 1/4" = 1'-0"

Component	FD	Qty	Construction	Comment
Services Enclosure	168"	1	18 Ga SS, front, back, exposed ends	removable
Mechanical Connections			provide & Disconnects and Hoses	(see Connections List)
Left End Panel			18 Ga SS, 1" insulated	
Faucet		1	- Fisher 3514 faucet with 12" spout	on StSt Pedestal
Electrical Connections			provide & install receptacles & plugs	(see Connections List)
Chase	5x16"		18 Ga SS Floor to Ceiling	Access Panels & Doors
Back Panel			18 Ga SS, 1" insulated back, cap ends.	

Electrical Connections								703	20/12/02	
F	No	Item	Conn #	Volts	Load	Conn	Connection	R	Date	
A	16	Induction Range	703	208V1Ø	40A	6-50R	48" cord with 6-50P plug			
A	17	Convection Oven	703	120V1Ø	2)1 A	5-15R	48" cord with 5-15P plug			

Plumbing Connections								703	20/12/02		
F	No	Item	Stat	HW	CW	Size	Type	Connection	Options	R	Date
A	18	Convection Oven				2)12		Dormount 1675KitCFS 1200mm	w/swivel & ball valve		
A	20	Services Enclosure				12					

Gas Connections								703	20/12/02		
F	No	Item	Conn#	Load	Size	Press	Connections	Options	R	Date	
A	17	Burner/Grille Range	17-G	310000	20	6"wc	Nat	Dormount 16100KitCFS 1200mm	w/swivel & ball valve		
A	18	Convection Oven	18-G	66000	20	6"wc	Nat	Dormount 16100KitCFS 1200mm	w/swivel & ball valve		



DETAIL DRAWING

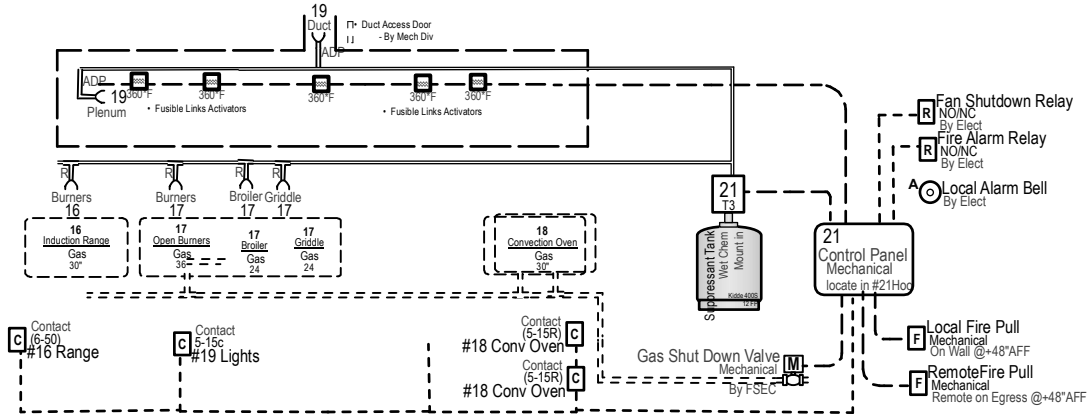
D.D.No: 21

Item: Fire Suppression

No: 21

Scale: 1:24 Date: 20/12/02 Rev: Dr: EB File: 703 Qty: 1

Category: UL300/NFPA17 Type: Wet Chemical Mech Detection



System Components List		
Components	Description	
21	Fire Alarm Relay	By Elect
21	RemoteFire Pull	Wall mount
21	Control Panel	
21	Fan Shutdown Relay	By Elect
21	Suppressant Tank	1.5gal
21	Gas Shut Down Valve	Mechanical
21	Local Fire Pull	Wall mount
21	Local Alarm Bell	By Elect

Operational Sequence

Activation

Manual:

- Remote Pull - On Egress or
- Local Pull - Control Panel or

Automatic:

- Heat Detectors (Fusible Links) initiates:

Kidde Control Head:

which will activate:

- Shut Off Make Up Air
- Shut Off Hood Lights
- Shut Off Gas Supply to Appliances
- Shut Off Electrical Supply to Appliances
- Discharge Wet Chemical Extinguishing Agent
- Initiate Building Fire Alarm

System Reactivation:

- Mechanical Valve reset by Service technical
- All fusible links replaced, Tank recharged

Fire Suppression System		Flow Calculator			
No	Equipment	EgType	Qty	NozTypx FP	12 FP
21	Fire Suppressor			102 Tank #	#
16	Burner Range	Burners	1	R	1 1
17	Range	Broiler	1	R	1 1
17	Burner Range	Burners	1	R	1 1
17	Range	Griddle	1	R	1 1
19	Duct	Duct	1	ADP	1 1
19	ExhaustHood	Plenum	1	ADP	1 1
Totals			0		6
Spare					6

System Standards

- Exhaust Hoods: comply to NFPA 96 v2011
- Suppression System: Ansul R 102
- Approvals: NFPA 17A v2009, ULC/Ord-C1254.6 v1995
- Appliance Relighting: Procedure as per CSA B149.1-05, 4.19, and 6.18.3

Re-activation procedure (Kidde DM 5-3)

- Appliance Cleanup: Clean Wet Agent foam from Appliances
- Spent Cylinder: Remove spent Cylinder
- Components Update: Replace all detectors
- Recheck Operation: Recheck discharge valve, operation and local, remote and automatic operation sequences
- Recommission system: Replace recharged Suppressant Tank and re-arm system, Tag system

Fan Operation

- Exhaust Fan Operation: Fans continues to run for smoke removal (NFPA 96- 5-23)
- Make-Up Air Fan: Fan to shut down during system activation

See Fire Suppression Standards of this specification		Accessories	Qty	
Category	Qty	NFPA 17/(UL300/CSA Ord 1254)	Gas Shut Down Valve	1 Mechanical Valve with manual reset
Type		Wet Chemical	Local Alarm	1 Fire bell (Locate on tank enclosure)
Manufacturer		Kidde	Remote Alarm Signal	1 120V 1Ph 15 A (NO/NC)
Duct Detectors	1	Fusible Link	Tank Enclosure	1 Stainless Steel Wall Panel
Plenum Detectors	1	Fusible Link		
Surface Detectors	3	Fusible Link	ShutDown Contactor	2 120V 1Ph 15 A (NO/NC) 18,18
Fire Pulls	1	Local Mechanical below tank enclosure		0 208V1Ph 30A (NO/NC)
	1	Remote Mechanical on Egress		1 208V1Ph 50A (NO/NC) 16
Hood Protection	1	Exhaust Duct & plenums		0 208V3Ph 125A (NO/NC)
		Supply ducts (0 required)		0 208V3Ph 50A (NO/NC)
Surface Protection	√	#16, 17,		
Locate tank		in Control Box mounted on Hood	Shop Drawings	1 Wiring Diagram (Installation & As Built)



DETAIL DRAWING

Scale: 1:48 Date: 20/12/02 Rev. Dr: EB File: 703

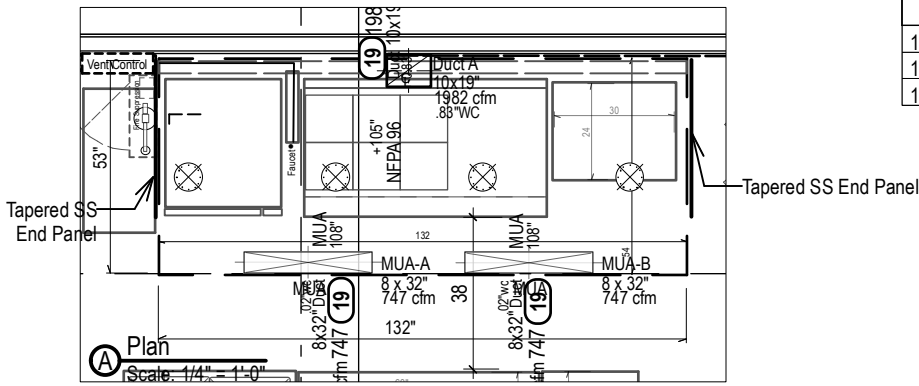
D.D.No: 19

Item: Exhaust Hood

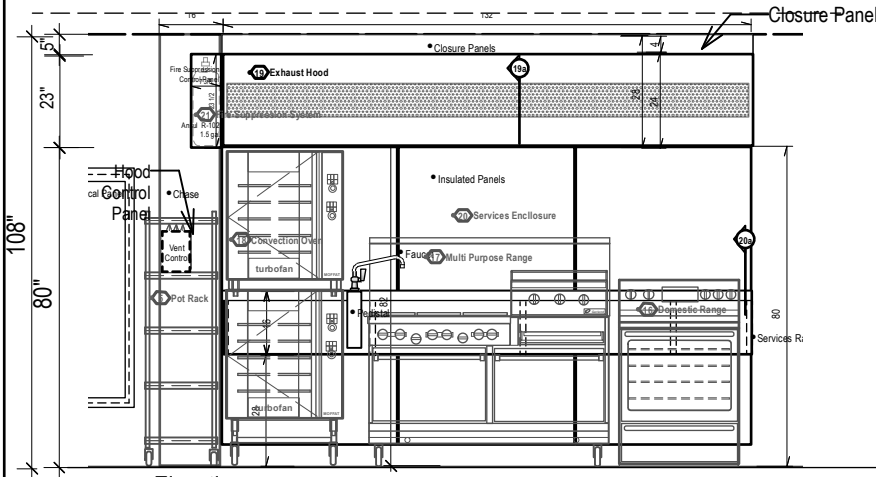
No: 19

Qty: 1 Category: NFPA 96 Type: Dry Filter Box Style

#	19	Exhaust Hood		703
Type	DuctNam	CFM	Duct Size	Static
19	Exhaust	Duct A	1982 cfm	10x19" .83"WC
19	MUA	MUA-B	747 cfm	8 x 32"
19	MUA	MUA-A	747 cfm	8 x 32"



(A) Plan Scale: 1/4" = 1'-0"



(B) Elevation Scale: 1/4" = 1'-0"

See Ventilator Standards of this Specification		Approvals:	
Category	Qty	ULC Listed Grease Extractor with CJ Hood	NFPA-96, UCL Listed
Type		Box Canopy	
Construction		18Ga (1.09mm) Stainless Steel all welded	Lights 4 Vapourproof LED
Manufacturer		SpringAir FN-B-MB-T	Air Flow Indicator ✓
Filters		ULC Listed Grease Filters (Min90% Efficiency)	Fire Alarm Relay --
Hoods	1	11'-0" x 53" Deep;	Closure Panels ✓ Removable to Suspended ceiling @ ± 108" AFF
Exhaust Duct:	1	Exhaust Duct: 2) 10 x 19" - 1982 cfm/ea	Wiring --
	2	MUA Duct: 2) 8" x 32" 747 cfm/ea	Backwall ✓ See #20
Controls:	--	Fan Switch - RPD-P locate in SS Chase	End Panel 2 Stainless Steel tapered on left & right
Fire Controls	--	See #21	Services Enclosure -- See #20
Activation	--		Mounting ✓ to SMACNA Seismic standards
			Shop Drawings ✓ Dimensioned layout

MECHANICAL ADDENDUM

Project Name:	Meadowood Community Hall	Date:	December 4, 2020
Client:	Regional District of Nanaimo	Project #:	20437-N
Issued By:	Todd Backus	No:	ADD-04

This Addendum consists of 1 page, with 0 sheets attached.

Confirmation of consideration of this addendum with respect to final bid price must be indicated in submitted bid documents.

Refer to MECHANICAL DRAWINGS (0 Sheets Attached)

Refer to DRAWING M-8

- REVISE: 1. Revise the Gas Detection Schedule, with clarifications as follows:
- Omit methane sensors
 - Carbon Monoxide sensors are to shut-down the associated AHU in the zone they serve upon activation of mid or high level alarm. Low level alarms are to illuminate low alarm LED.
 - General exhaust fans are to be continuously during occupied hours, so do not need to be integrated with gas detection.
 - ERV's and kitchen make-up air and exhaust are not connected to the gas detection system.

END OF MECHANICAL ADDENDUM No. 04