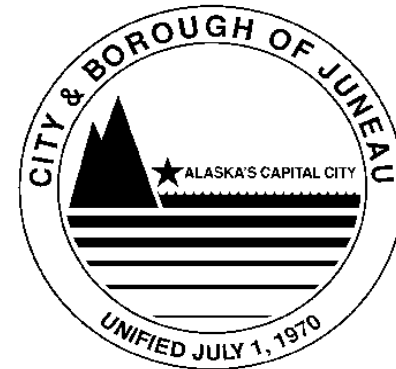


**PROJECT NAME**

**VOLUME II of II**

**Contract No. E20-224**

File No. 2059



ENGINEERING DEPARTMENT

# MARIE DRAKE SCHOOL - KITCHEN UPGRADES

CBJ PROJECT NO.: BE 20-224

100% CONTRACT DOCUMENTS

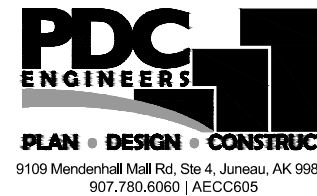
APRIL 03, 2020

FOR:

JUNEAU SCHOOL DISTRICT

MARIE DRAKE SCHOOL  
1415 GLACIER AVE.  
JUNEAU, AK 99801

PREPARED BY:

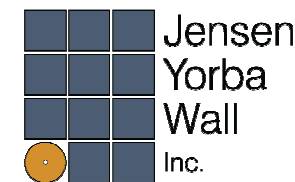


MECHANICAL ENGINEERING



217 2nd ST, STE 208, JUNEAU, AK 99801  
PH: (907) 586-5900 / FAX: (907) 586-5901

ELECTRICAL ENGINEERING



522 WEST TENTH STREET, JUNEAU, AK 99801  
PH: (907) 586-1070 / FAX: (844) 350-5352

ARCHITECTURE

DRAWINGS:

**TYPICAL PROJECT NOTES**

1. THE FOLLOWING PROJECT NOTES APPLY TO ALL SHEETS.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS INCLUDING ROUTING AND CONNECTION SIZES PRIOR TO INITIATING WORK.
3. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE FIRE SEALED. ALL PENETRATIONS THROUGH ASSEMBLIES TO BE SEALED.
4. PROVIDE CUTTING AND PATCHING AS REQUIRED FOR WORK.
5. DDC CONTROL WORK TO BE COMPLETED UNDER SEPARATE CONTRACT. MECHANICAL CONTRACTOR SHALL INSTALL CV CONTROL VALVE AND ASSIST DDC CONTRACTOR AS REQUIRED.
6. ABATEMENT WILL BE COMPLETED IN SEPARATE CONTRACT PRIOR TO START OF KITCHEN UPGRADE PROJECT.

**ARCHITECTURAL SHEET LIST**

A001	GENERAL NOTES / SCHEDULES
A002	SITE PLAN
A003	FIRST FLOOR PLAN & ENLARGED PARTIAL PLAN
A101	ENLARGED PLAN - DEMOLITION
A201	PARTIAL ROOF PLAN
A401	ENLARGED PLAN - RENOVATION
A601	ENLARGED REFLECTED CEILING PLAN
A901	DETAILS
A902	DETAILS

**MECHANICAL SHEET LIST**

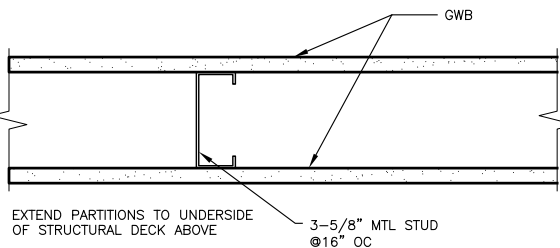
NUMBER	TITLE
G-001	G001 COVER SHEET
M-001	MECHANICAL LEGENDS AND ABBREVIATIONS
M-002	MECHANICAL SCHEDULES
MD401	ENLARGED KITCHEN UNDERFLOOR PLAN - DEMOLITION
MD402	ENLARGED KITCHEN PIPING PLAN - DEMOLITION
MD403	ENLARGED KITCHEN VENTILATION PLAN - DEMOLITION
MD601	DIAGRAMS - DEMOLITION
M-401	ENLARGED KITCHEN UNDERFLOOR PLAN
M-402	ENLARGED KITCHEN PIPING PLAN
M-403	ENLARGED KITCHEN VENTILATION PLAN
M-501	DETAILS
M-601	PLUMBING DIAGRAMS

**ELECTRICAL SHEET LIST**

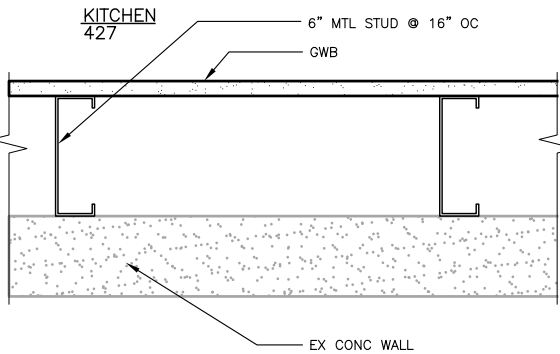
E101	LEGEND AND GENERAL FLOOR PLANS
E102	DEMOLITION PLANS
E201	POWER AND SIGNAL AND LIGHTING PLANS
E301	SCHEDULES AND DETAILS

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

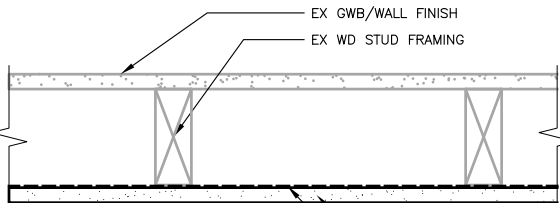
**PARTITION SCHEDULE**



**A PARTITION**

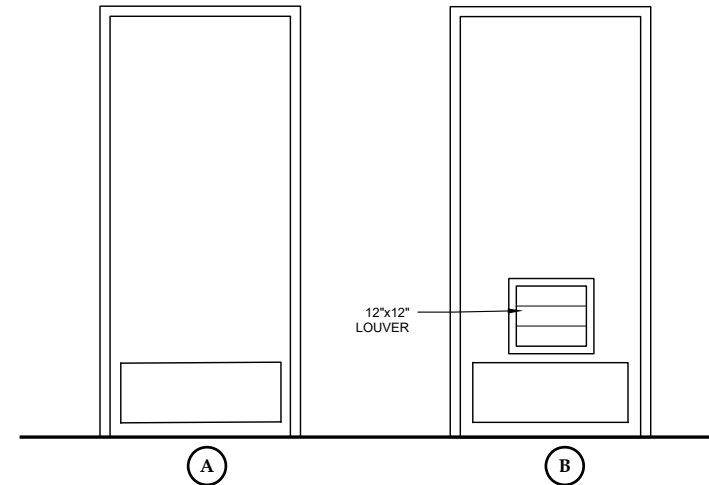


**B FURRING @ EX CONC WALL**



**C EX TYP PARTITION UON**

**DOOR TYPES**



**FINISH SCHEDULE**

**FINISH SCHEDULE**

ROOM No.	Name	FLOOR	BASE	Ht.	WAINSCOT Ht.	WALLS				CEILING	NOTES
						North	East	South	West		
427	KITCHEN	SV	SVC	6"		WP	WP	WP	WP	ACP	
430A	STORAGE	SV	SVC	6"			WP	WP	WP	ACP	
430B	STORAGE	SV	SVC	6"			WP	WP	WP	ACP	
430C	STORAGE	SV	SVC	6"			WP	WP	WP	ACP	
431	HALL	SV	SVC	6"		WP	WP	WP	WP	ACP	
432	JAN	SV	SVC	6"		WP	WP	WP	WP	ACP	

**ABBREVIATIONS:**

ACP ACOUSTICAL CEILING PANEL SYSTEM  
 SV SHEET VINYL  
 SVC SHEET VINYL COVE  
 WP PVC WALL PANEL

NOTE: PROVIDE STAINLESS STEEL CORNER GUARDS AT ALL OUTSIDE CORNERS TYP

**DOOR AND RELITE SCHEDULE**

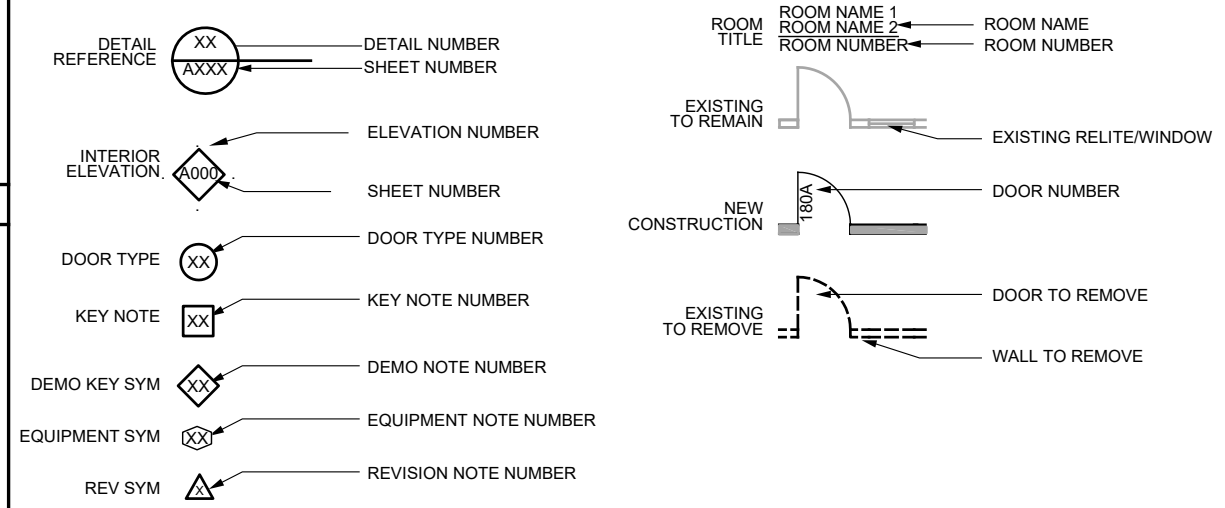
OPENING No.	Type	Size	DOOR		FRAME DETAILS			HW	REMARKS	
			Mat. Fin.	Mat. Fin.	Head	Jamb	Sill			
431	A	3'-2"x7'-0"	HM	PT	HM	PT	4/A901	4/A901	2/A901	2
432	B	3'-0"x7'-0"	WD	PF	HM	PT	1/A901	1/A901	-	1

PF = PREFINISHED

**ABBREVIATIONS**

L ANGLE	EA EACH	HB HOSE BIBB	OFD OWNER INSTALLED OVERFLOW DRAIN	SQYD SQUARE YARD
AC ASPHALT CONCRETE	EF EXHAUST FAN	HDWD HARDWOOD	OFF OFFICE	SS STAINLESS STEEL
ACM ASBESTOS CONTAINING MATERIAL	EFIS EXTERIOR INSULATION & FINISH SYSTEM	HM HOLLOW METAL	OPNG OPENING	STA STATION
ACP ACOUSTICAL CEILING PANEL	EJ EXPANSION JOINT	HR HORIZ	OPP OPPOSITE	STC SOUND TRANSMISSION CLASS
ADJ ADJUSTABLE	EL ELEVATION	HR HOUR	OSB ORIENTED STRAND BOARD	STD STANDARD
AFF ABOVE FINISH FLOOR	ELEC ELECTRICAL	HT HEIGHT		STL STEEL
AIB AIR INFILTRATION BARRIER	ELEV ELEVATOR	HW HOT WATER		STOR STORAGE
AL ALUMINUM	EMER EMERGENCY	ID INSIDE DIAMETER	PL PLATE	STRUC STRUCTURAL
APPROX APPROXIMATE	ENCL ENCLOSURE	INSUL INSULATION	PLAM PLASTIC LAMINATE	SUSP SUSPENDED
ARCH ARCHITECTURAL	EPDM ETHYLENE PROPYLENE DIANE MONOMER	INT INTERIOR	PLAS PLASTER	SY SQUARE YARD
ASB ASBESTOS	EPS EXPANDED POLYSTYRENE	JAN JANITOR	PC PRE-CAST	
BD BOARD	EQ EQUAL	JT JOINT	PF PRE-FINISHED PAIR	TB TOWEL BAR
BLDG BUILDING	EOP EQUIPMENT	LAB LABORATORY	PR PLYWOOD	TC TOP OF CURB
BLKG BLOCKING	EX EXISTING	LAM LAMINATE		TEL TELEPHONE
BM BEAM	EXT EXTERIOR	LAV LAVATORY	R RISER	TEMP TEMPORARY
BOT BOTTOM		LB POUND	RD RADIUS	T&G TONGUE & GROOVE
		LT LIGHT	REF REFERENCE	TOC TOP OF CONCRETE
CAB CABINET	FA FIRE ALARM	MIR MIRROR	REFR REFRIGERATOR	TOD TOP OF DECK
CB CATCH BASIN	FD FLOOR DRAIN	MDO MAXIMUM	REINF REINFORCED	TPD TOILET PAPER DISPENSER
CEM CEMENT	FDN FOUNDATION	REQ REQUIRED	REQ REQUIRED	TRD TREAD
CG CORNER GUARD	FEC FIRE EXTINGUISHER CABINET	RESIL RESILIENT	RH ROBE HOOK	TRTD PRESSURE TREATED
CI CAST IRON	FF FINISH FLOOR	RH SQUARE FOOT	RL RAIN LEADER	TOW TOP OF WALL
CLG CEILING	FHC FIRE HOSE CABINET	MEMB MEMBRANE	RM ROOM	TYP TYPICAL
COL COLUMN	FIN FINISH	MFR MANUFACTURER	RO ROUGH OPENING	
CONC CONCRETE	FLASH FLASHING	MH MANHOLE	RUB RUBBER	
CONT CONTINUOUS	FLR FLOOR	MIN MINIMUM		UL UNDERWRITERS LABORATORIES
CTR CENTER	FOC FACE OF CONCRETE/CURB	MISC MISCELLANEOUS		UNF UNFINISHED
CTSK COUNTERSUNK	FOF FACE OF FINISH	MTD MOUNTED	SASU SELF ADHERING SHEET UNDERLAYMENT	UON UNLESS OTHERWISE NOTED
	FRP (GLASS) FIBER REINFORCED PLASTIC	MTL METAL	SCD SCHEDULE	UR URINAL
DBL DOUBLE	FR FIRE RETARDANT	MUL MULLION	SCHED SCHEDULE	
DEPT DEPARTMENT	FT FOOT OR FEET		SF SQUARE FOOT	VERT VESTIBULE
DF DRINKING FOUNTAIN	FTG FOOTING	NIC NOT IN CONTRACT NUMBER	SFRM SPRAYED FIRE-RESISTIVE MATERIAL	VR VAPOR RETARDER
DET DETAIL	FURR FURRING	NO OR # NO OR NUMBER	SHR SHOWER	VTR VENT THROUGH ROOF
DIA DIAMETER		NOM NOMINAL	SHTH SHEATHING	
DIM DIMENSION		NTS NOT TO SCALE	SIM SIMILAR	WB WEATHER BARRIER
DISP DISPENSER	GA GAUGE		SND SANITARY NAPKIN DISPENSER	WC WATER CLOSET
DN DOWN	GALV GALVANIZED	OA OVERALL	SNR SANITARY NAPKIN RECEPTACLE	WD WOOD
DR DOOR	GRAB BAR	OC ON CENTER	SPEC SPECIFICATIONS	WP WATERPROOF
DS DOWNSPOUT	GL GLASS	OD OUTSIDE DIAMETER	SQ SQUARE	WR WASTE RECEPTACLE
DWG DRAWING	GWB GYPSUM WALL BOARD	OFDI OWNER FURNISHED CONTRACTOR INSTALLED	SQFT SQUARE FOOT	WCSOT WAINSCOT
DWR DRAWER	GYP GYPSUM	OFDI OWNER FURNISHED CONTRACTOR INSTALLED		WT WEIGHT
				WWF WELDED WIRE FABRIC

**SYMBOLS**



**CODE SUMMARY**

APPLICABLE CODES:  
 2012 INTERNATIONAL BUILDING CODE  
 2012 INTERNATIONAL FIRE CODE  
 2012 INTERNATIONAL MECHANICAL CODE  
 NFPA 2017 NEC  
 OCCUPANCY: E  
 CONSTRUCTION TYPE: VB SPRINKLERED

**GENERAL NOTES**

- CONTRACTOR VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK
- COORDINATE OFCI ITEMS WITH OWNER PER SPECIFICATIONS
- CONTRACTOR REVIEW PRIOR ABATEMENT WORK REPORT BEFORE BEGINNING WORK

No.	Date	Item
REVISIONS		

CONSULTANT:  
**Jensen Yorba Wall Inc.**  
 622 West 10th Street  
 Anchorage, Alaska 99501  
 907.561.0700  
 jensenyorbawall.com



**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AECC605

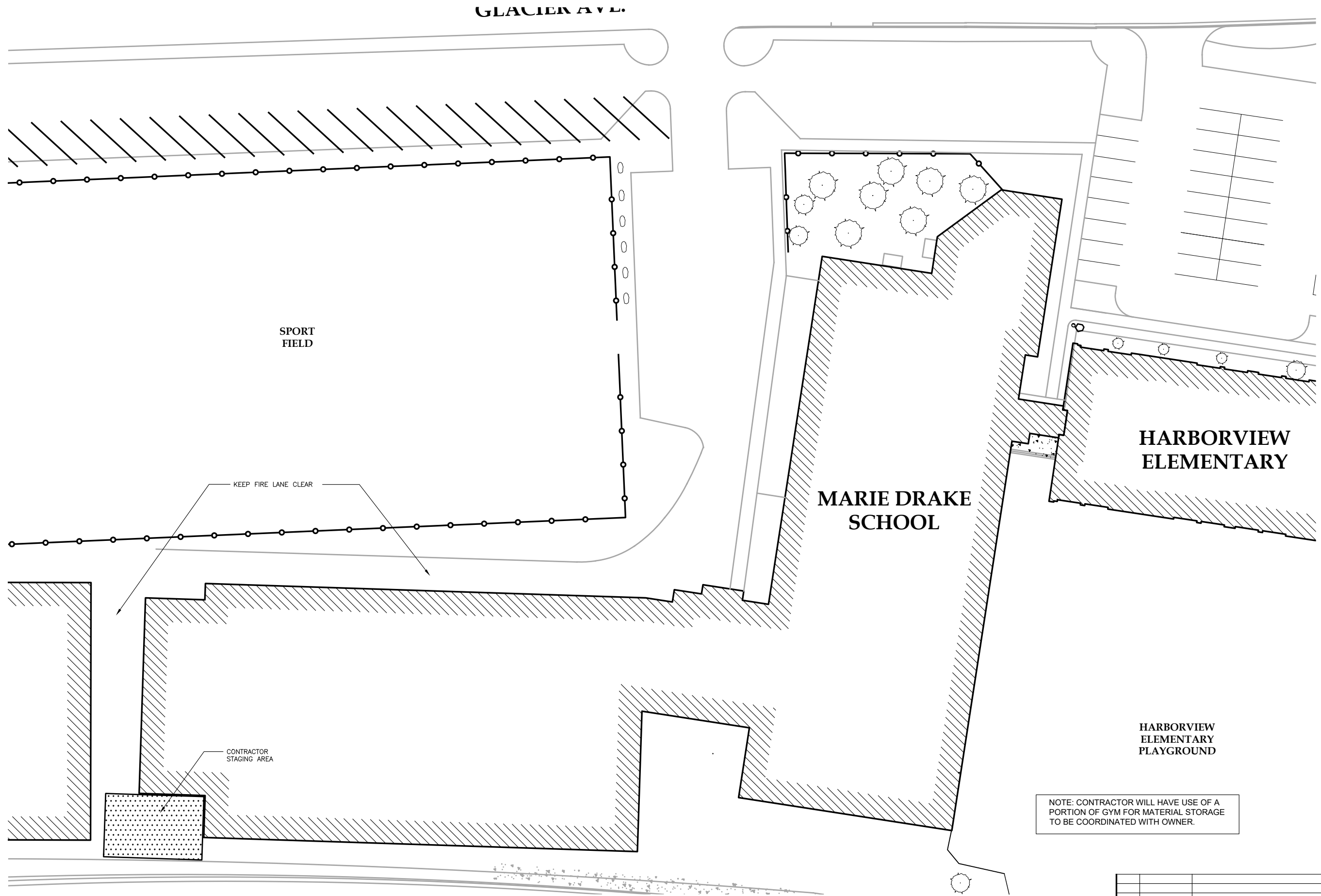
PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO. BE20-224  
 JUNEAU, ALASKA

SHEET TITLE:  
**GENERAL NOTES/SCHEDULES**  
**CONSTRUCTION DOCUMENTS**

DESIGN CS  
 DRAWN CS  
 CHECKED ADG  
 DATE 03/18/2020  
 PROJECT No. 19318JM  
 SHEET NUMBER **A001**

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

G:\Projects\19318JM\CADD\Arch\A002\_Layout1.dwg Apr 03, 2020, 1:10 PM



NOTE: CONTRACTOR WILL HAVE USE OF A PORTION OF GYM FOR MATERIAL STORAGE TO BE COORDINATED WITH OWNER.

1 SITE PLAN

SCALE: 0' 10' 20' 40'



No.	Date	Item

REVISIONS

CONSULTANT:  
**Jensen Yorba Wall Inc.**  
 522 West 10th Street  
 Juneau, Alaska 99801  
 AEC0377 jensenyorbawall.com



**PDC**  
 ENGINEERS  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AEC0365

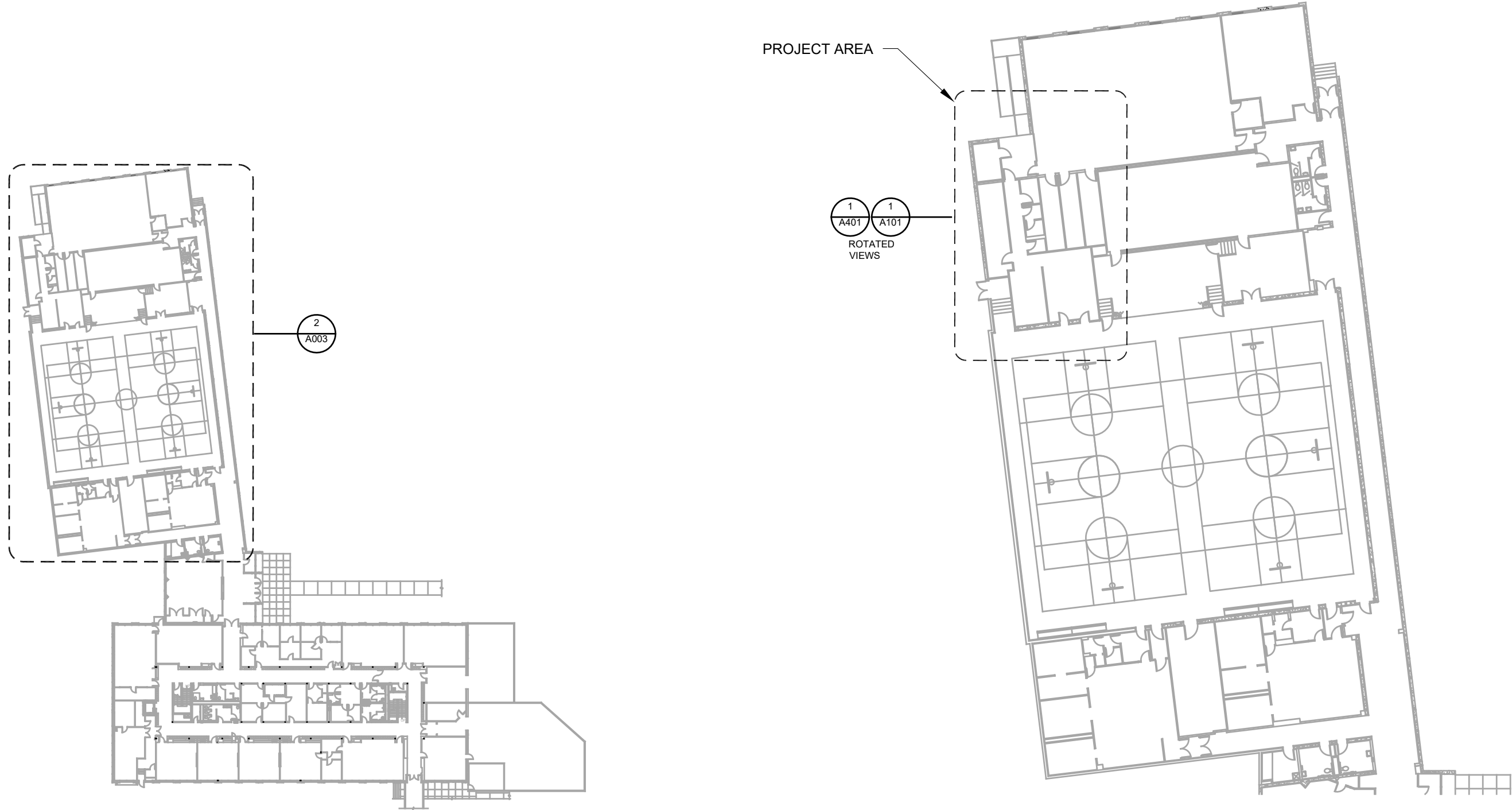
PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO. BE20-224  
 JUNEAU, ALASKA

SHEET TITLE:  
**SITE PLAN**  
 CONSTRUCTION DOCUMENTS

DESIGN CS  
 DRAWN CS  
 CHECKED ADG  
 DATE 03/18/2020  
 PROJECT No.  
**19318JM**  
 SHEET NUMBER  
**A002**

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

G:\Projects\19318JM\CAD\CADArch\A003\_Layout1.dwg Apr 03, 2020, 1:10 PM



1 FIRST FLOOR OVERALL PLAN

SCALE: 0 16' 32' 64'



2 ENLARGED PARTIAL PLAN

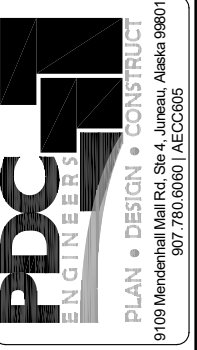
SCALE: 0 8' 16' 32'



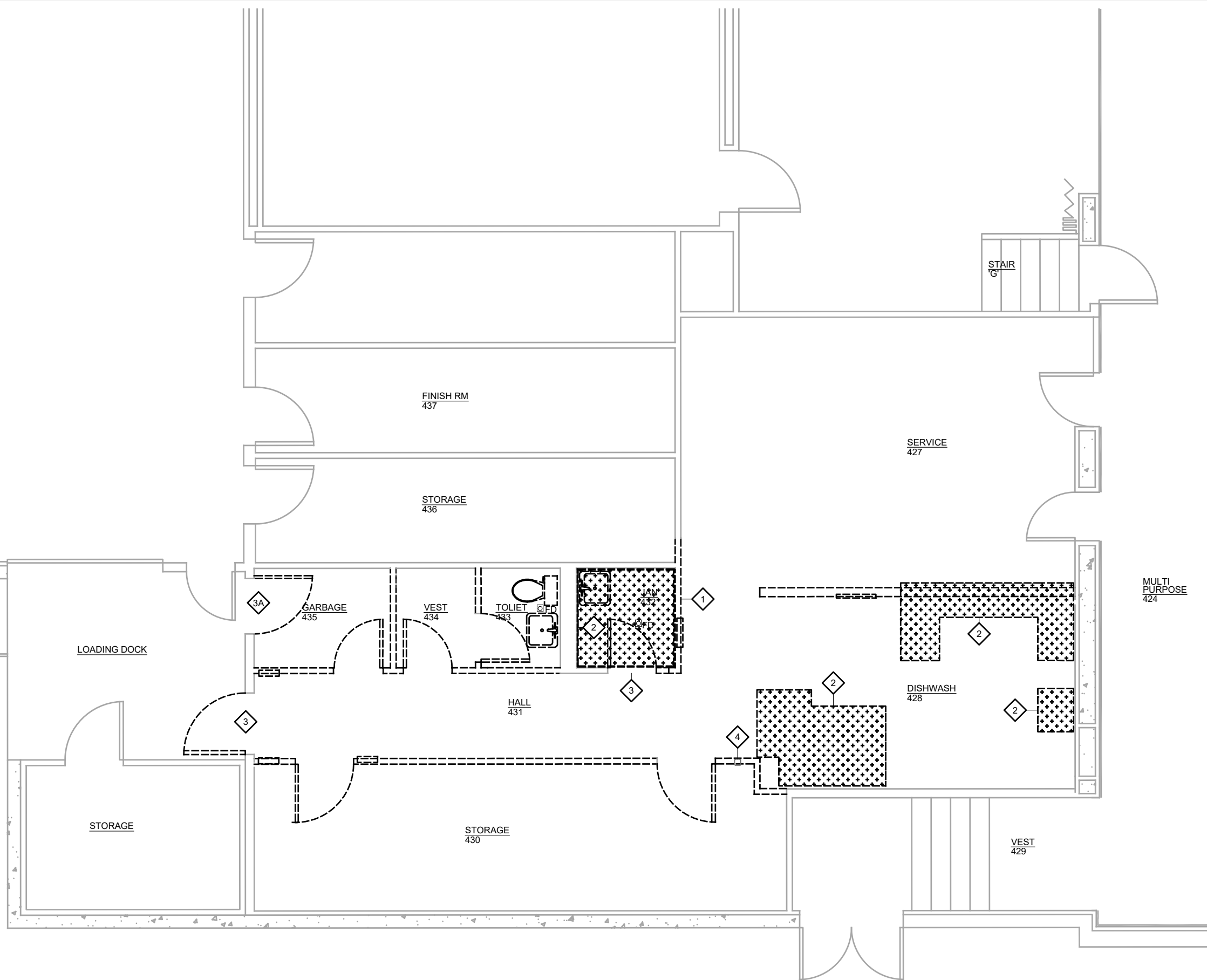
No.	Date	Item
REVISIONS		

DESIGN	CS
DRAWN	CS
CHECKED	ADG
DATE	03/18/2020
PROJECT No. <b>19318JM</b>	
SHEET NUMBER <b>A003</b>	

PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN  
 UPGRADES**  
 CBJ PROJECT NO. BE20-224  
 JUNEAU, ALASKA



CONSULTANT :  
**Jensen  
 Yorba  
 Wall Inc.**  
 522 West 10th Street  
 Juneau, Alaska 99801  
 AECC685  
 jensenyorbawall.com

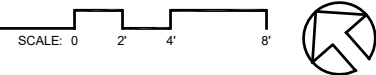


DEMOLITION NOTES:

1. REMOVE PARTITIONS, FIXTURES, EQUIPMENT AND DOORS AND FRAMES AS INDICATED
2. PROTECT EX SURFACES TO REMAIN
3. WORK UNDER PREVIOUS CONTRACT: CONTRACTOR REVIEW PREVIOUS ABATEMENT CONTRACT COMPLETED BY OWNER.
4. PRIOR WORK COMPLETED BY OWNER: DEMOLITION OF ALL FLOOR, WALL AND CEILING FINISHES INCLUDING GWB.
5. COORDINATE ALL WORK WITH ELEC/MECH

- 1 REMOVE EXIST PARTITION AT RANGE LOCATION
- 2 SAWCUT EX CONC - SEE MECH
- 3 REMOVE DOOR AND FRAME, PREP OPENING FOR DOOR AS SCHEDULED
- 3A REMOVE DOOR, EX FRAME TO REMAIN
- 4 EX COLUMN TO REMAIN

1 ENLARGED PLAN - DEMOLITION



No.	Date	Item

CONSULTANT:

**Jensen Yorba Wall Inc.**

822 West 10th Street  
 Juneau, Alaska 99801  
 907.586.1070 Alaska 99801  
 AECC019 jensenyorbawall.com



**PDC**

ENGINEERS

PLAN • DESIGN • CONSTRUCT

9109 Mendenhall Mall Rd. Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AECC605

PROJECT:

**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**

CBJ PROJECT NO. BE20-224

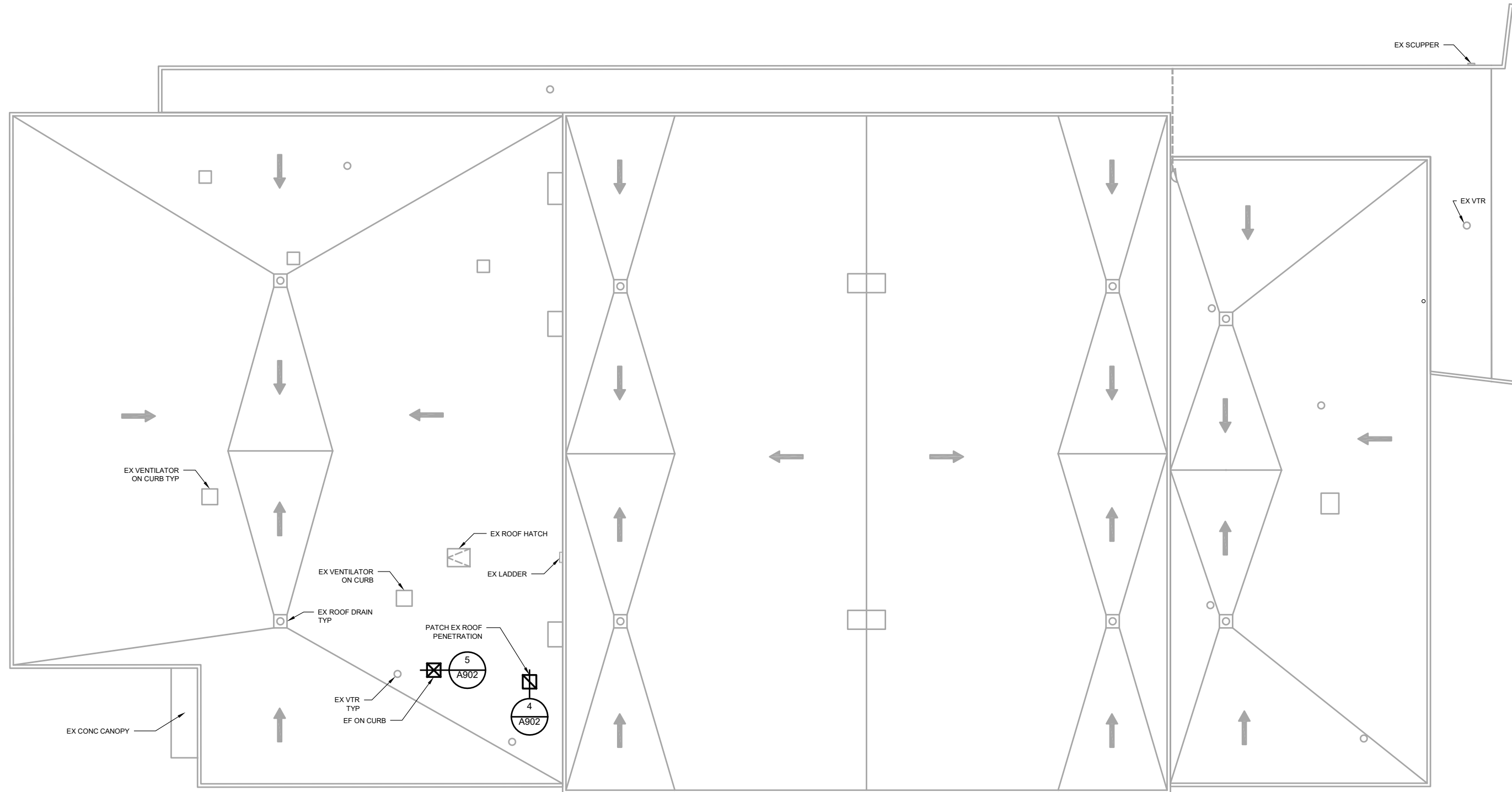
JUNEAU, ALASKA

SHEET TITLE:

**ENLARGED PLAN - DEMOLITION**

**CONSTRUCTION DOCUMENTS**

DESIGN	CS
DRAWN	CS
CHECKED	ADG
DATE	03/18/2020
PROJECT No.	19318JM
SHEET NUMBER	<b>A101</b>



NOTES:

1. ROOF PLAN IS BASED ON RECORD INFORMATION AND MAY NOT REFLECT CURRENT CONDITONS.
2. CONTRACTOR VERIFY EXISTING CONDITIONS AT ROOF PENETRATION BEFORE BEGINNING WORK.

**1 PARTIAL ROOF PLAN**



No.	Date	Item

REVISIONS

CONSULTANT:  
**Jensen Yorba Wall Inc.**  
 822 West 10th Street  
 Juneau, Alaska 99801  
 907.586.1070  
 AEC00197 jensenyorbawall.com



**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd. Ste 4, Juneau, Alaska 99801  
 907.780.5060 | AEC00605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
**CBJ PROJECT NO. BE20-224**  
 JUNEAU, ALASKA

SHEET TITLE:  
**PARTIAL ROOF PLAN**  
**CONSTRUCTION DOCUMENTS**

DESIGN  
 DRAWN  
 CHECKED  
 DATE 03/18/2020  
 PROJECT No. 19318JM  
 SHEET NUMBER  
**A201**

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING IT'S PRODUCTION, AFFECTING ALL LABELED SCALES

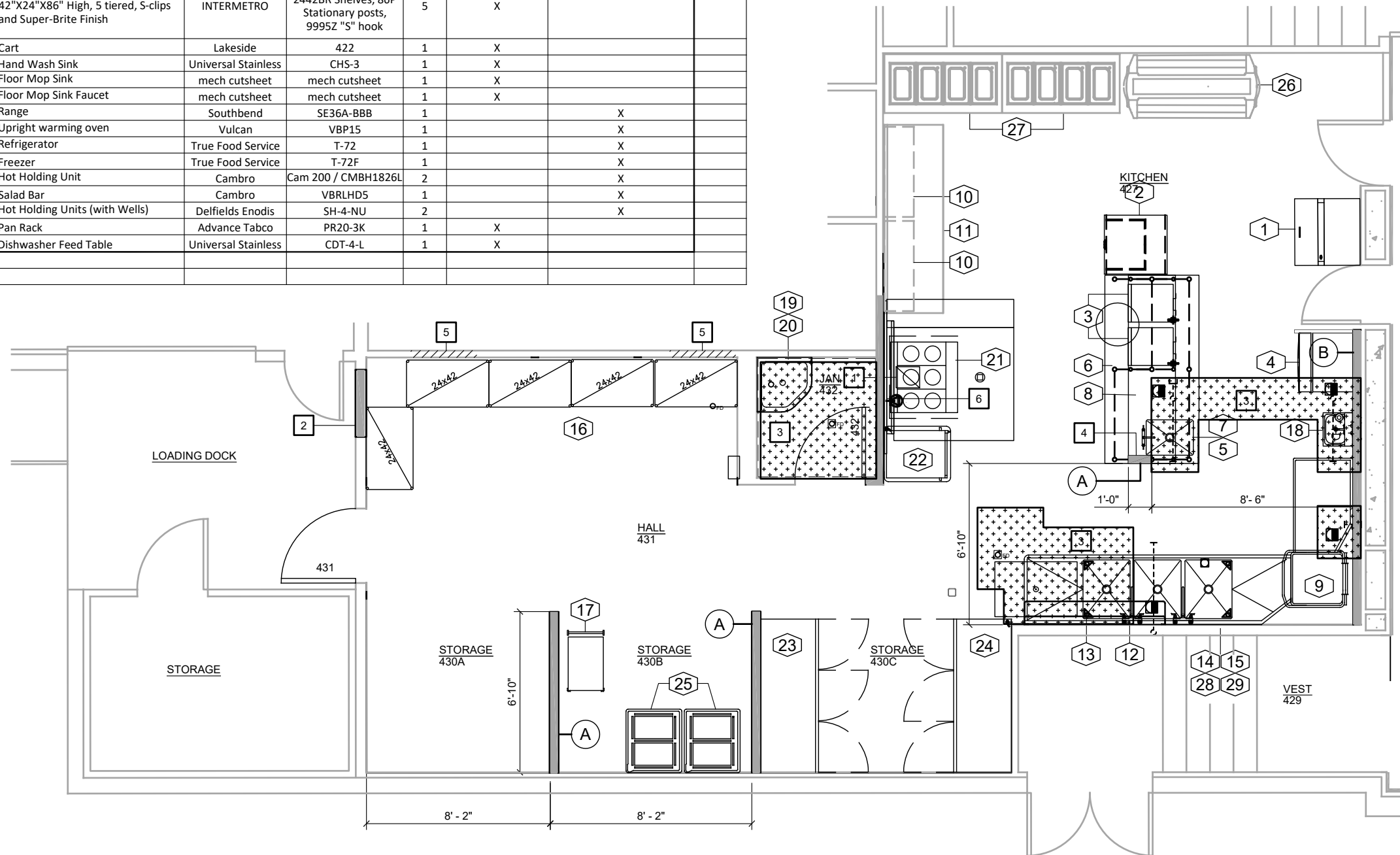
**KITCHEN EQUIPMENT SCHEDULE**

Item	Manufacturer	Model	Qty	Contractor Furnished and Installed	Owner furnished, Contractor installed OFCI
1 Milk Cooler	True Food Service	TMC-34	1	X	
2 Cashier Cart	Duke	TCS-30SS	1	X	
3 Microwave	Panasonic	NE-1064F	2	X	
4 Ice Machine	Manitowoc Ice	IY-0304A	1	X	
5 Pre Faucet	Universal Stainless	USFK154000	1	X	
6 Prep Table (Work Table) w/ sink	Universal Stainless	8SL5-48	1	X	
7 Prep Sink Bowl - Integral	Universal Stainless	SB-182412	1	X	
8 Prep Table Self 96" long	Universal Stainless	TSS-18-16	1	X	
9 Dishwasher	Hobart	AM15VL	1	X	
10 Wire wall mount Shelving	Metro	SWK36-1 W/ SWA1 kit	2ea	X	
11 Base Cabinet	Universal Stainless	8CBT-30B	1	X	
12 Scullery Triple Sink	Universal Stainless	3N2430-2D30	1	X	
13 Pot Rack	Universal Stainless	PR-WD-72-S	1	X	
14 Scullery Sink Faucet	Universal Stainless	USF-10-S	1	X	
15 Scullery Sink Pre-Rinse Faucet	Universal Stainless	F1-2210	1	X	
16 Dry Storage Shelving units 42"x24"x86" High, 5 tiered, S-clips and Super-Brite Finish	INTERMETRO	Super-erecta - 2442BR Shelves, 86P Stationary posts, 9995Z "S" hook	5	X	
17 Cart	Lakeside	422	1	X	
18 Hand Wash Sink	Universal Stainless	CHS-3	1	X	
19 Floor Mop Sink	mech cutsheet	mech cutsheet	1	X	
20 Floor Mop Sink Faucet	mech cutsheet	mech cutsheet	1	X	
21 Range	Southbend	SE36A-BBB	1		X
22 Upright warming oven	Vulcan	VBP15	1		X
23 Refrigerator	True Food Service	T-72	1		X
24 Freezer	True Food Service	T-72F	1		X
25 Hot Holding Unit	Cambro	Cam 200 / CMBH1826L	2		X
26 Salad Bar	Cambro	VBRLHD5	1		X
27 Hot Holding Units (with Wells)	Delfields Enodis	SH-4-NU	2		X
28 Pan Rack	Advance Tabco	PR20-3K	1	X	
29 Dishwasher Feed Table	Universal Stainless	CDT-4-L	1	X	

**RENOVATION NOTES:**

- WORK UNDER PREVIOUS CONTRACT: CONTRACTOR REVIEW PREVIOUS ABATEMENT CONTRACT COMPLETED BY OWNER.
- PRIOR WORK COMPLETED BY OWNER: DEMOLITION OF ALL FLOOR, WALL AND CEILING FINISHES INCLUDING GWB.
- KITCHEN EQUIPMENT OFCI: TO BE COORDINATED WITH OWNER. VERIFY ALL EQUIPMENT, CLEARANCES, AND M/E REQUIREMENTS.
- PROVIDE BLOCKING FOR WALL MOUNTED EQUIPMENT PER MFR INSTRUCTIONS.
- PATCH EX SURFACES WHERE DEMO WORK OCCURS. FINISH TO MATCH ADJACENT.
- ALL WALLS: PROVIDE 5/8" GWB WHERE GWB HAS BEEN REMOVED FOR ABATEMENT. AT EXTERIOR WALLS, FILL WALL CAVITY WITH FIBERGLASS INSULATION PRIOR TO GWB INSTALLATION.
- PREP CONC FLOOR FOR FLOOR FINISHES AS SCHEDULED. SEE A902 FOR MECH FLOOR EQUIP COORDINATION.
- PROVIDE METAL CORNER GUARDS AT ALL OUTSIDE CORNERS, TYP

- EXHAUST FAN THROUGH ROOF. SEE 5/A902
- PATCH OPENING WHERE DOOR IS REMOVED. SEE 5/A901
- PATCH CONC FLOOR: SEE 3/A902
- COORDINATE PARTITION WITH WORK TABLE LOCATION
- PATCH WALL SURFACES WHERE DUCTS ARE REMOVED, FINISH TO MATCH ADJACENT
- STAINLESS STEEL BACKSPLASH BEHIND RANGE PER MFR



**1 ENLARGED PLAN - RENO**

SCALE: 0 2 4 8'

CONSULTANT: Jensen Yorba Wall Inc.  
 622 West 10th Street  
 Anchorage, Alaska 99501  
 (907) 561-1111  
 jensenyorbawall.com



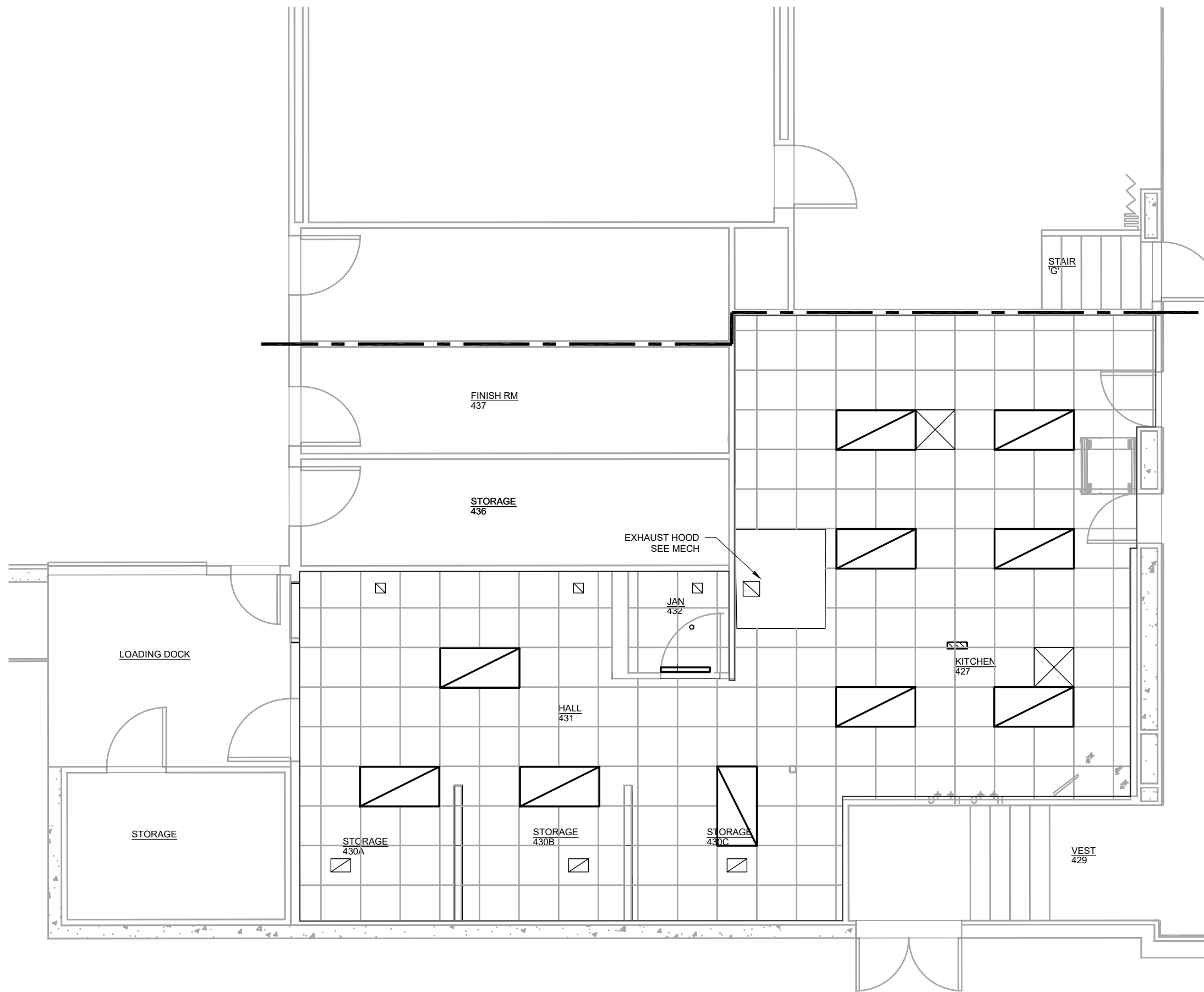
**PDC**  
 ENGINEERS  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AECC605

PROJECT: **MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO. BE20-224  
 JUNEAU, ALASKA

SHEET TITLE: **ENLARGED PLAN - RENOVATION**  
**CONSTRUCTION DOCUMENTS**

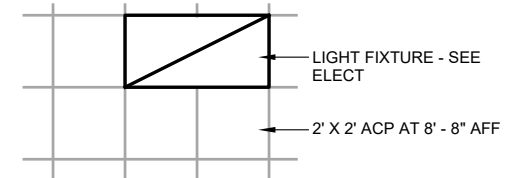
DESIGN	CS	
DRAWN	CS	
CHECKED	ADG	
DATE	03/18/2020	
PROJECT No. 19318JM		
SHEET NUMBER		
<b>A401</b>		
No.	Date	Item
REVISIONS		





REFLECTED CEILING  
PLAN LEGEND:

1. ADJUST SPRINKLER HEADS, M/E EQUIPMENT AS REQ'D FOR ACP CEILING. SEE MECH/ELECT
2. COORD ACP WITH MECH FOR EXHAUST HOOD CLEARANCES



1 ENLARGED REFLECTED CEILING PLAN

SCALE: 0 2' 4' 8'



No.	Date	Item

REVISIONS

CONSULTANT:

**Jensen Yorba Wall Inc.**

822 West 10th Street  
Juneau, Alaska 99801  
907.586.1070  
AECC619 jensenyorbawall.com



**PDC**

ENGINEERS

PLAN • DESIGN • CONSTRUCT

9105 Mendenhall Mall Rd. Ste 4, Juneau, Alaska 99801  
907.780.5060 | AECC605

PROJECT:

**MARIE DRAKE SCHOOL - KITCHEN  
UPGRADES  
CBJ PROJECT NO. BE20-224**

JUNEAU, ALASKA

SHEET TITLE:

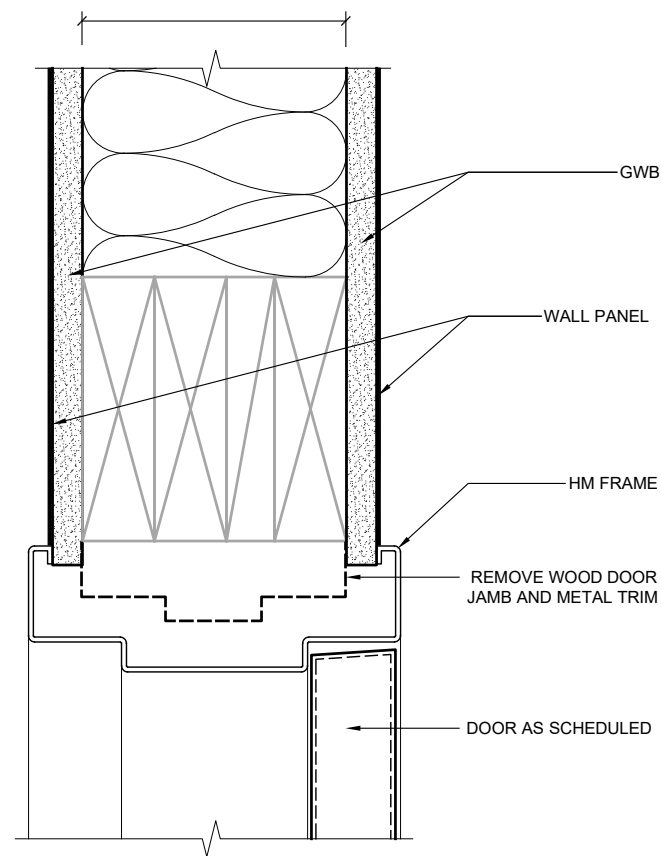
**ENLARGED REFLECTED CEILING  
PLAN**

CONSTRUCTION DOCUMENTS

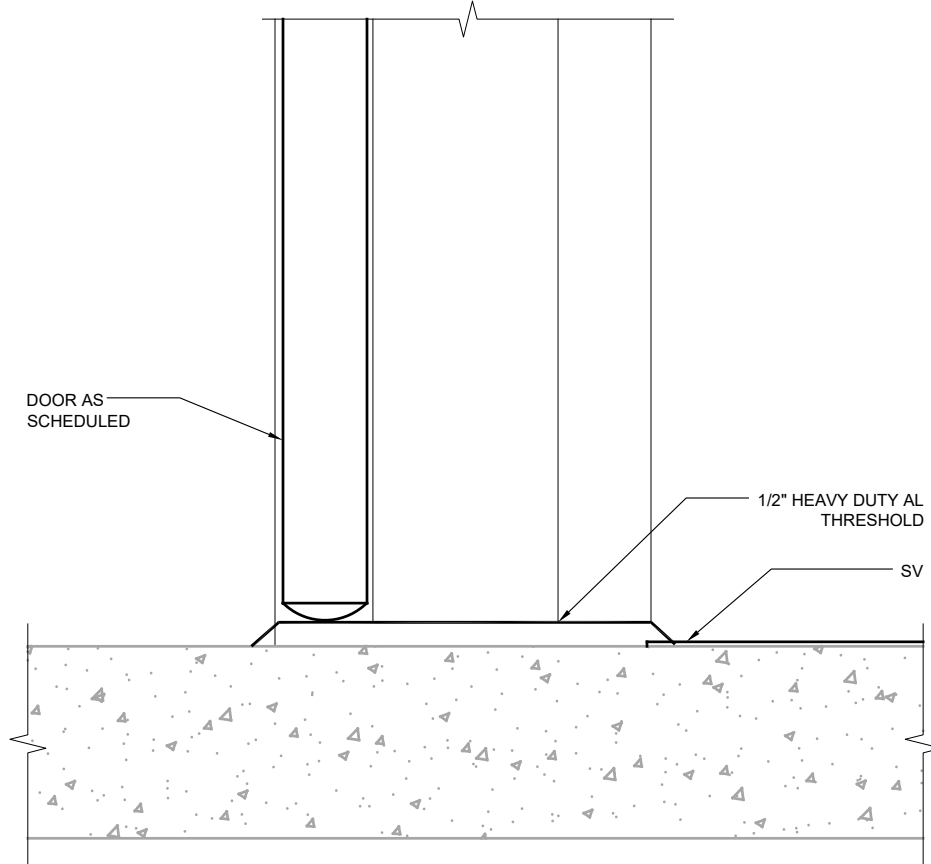
DESIGN	
DRAWN	
CHECKED	
DATE	03/18/2020
PROJECT No.	19318JM
SHEET NUMBER	
<b>A601</b>	

1"

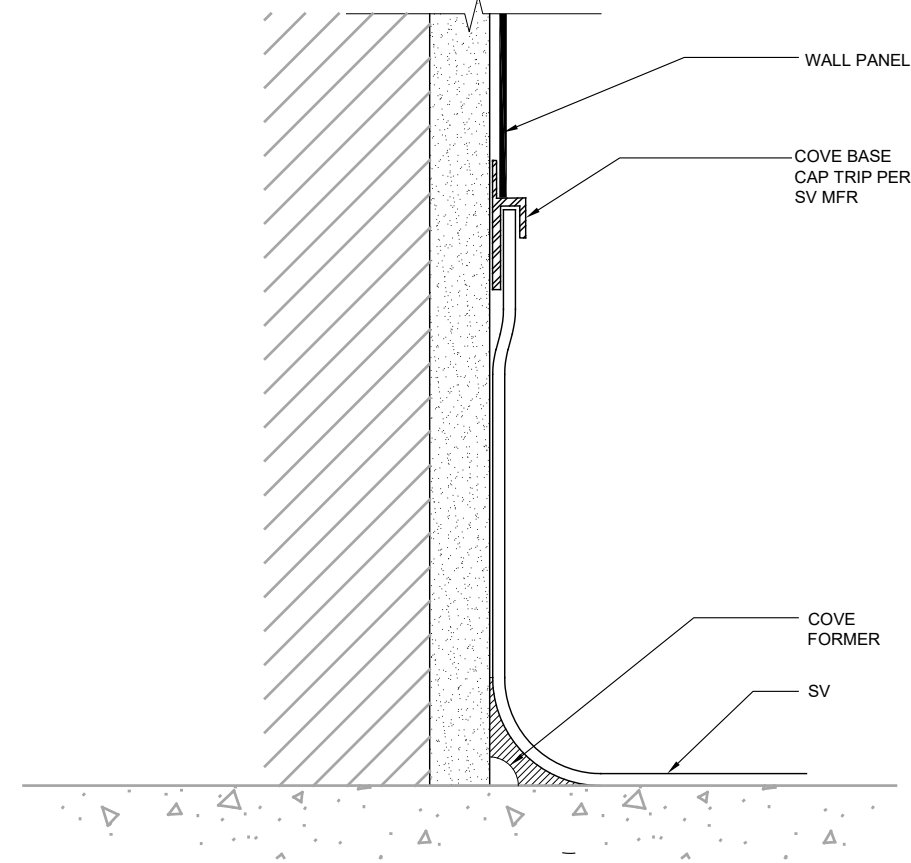
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES



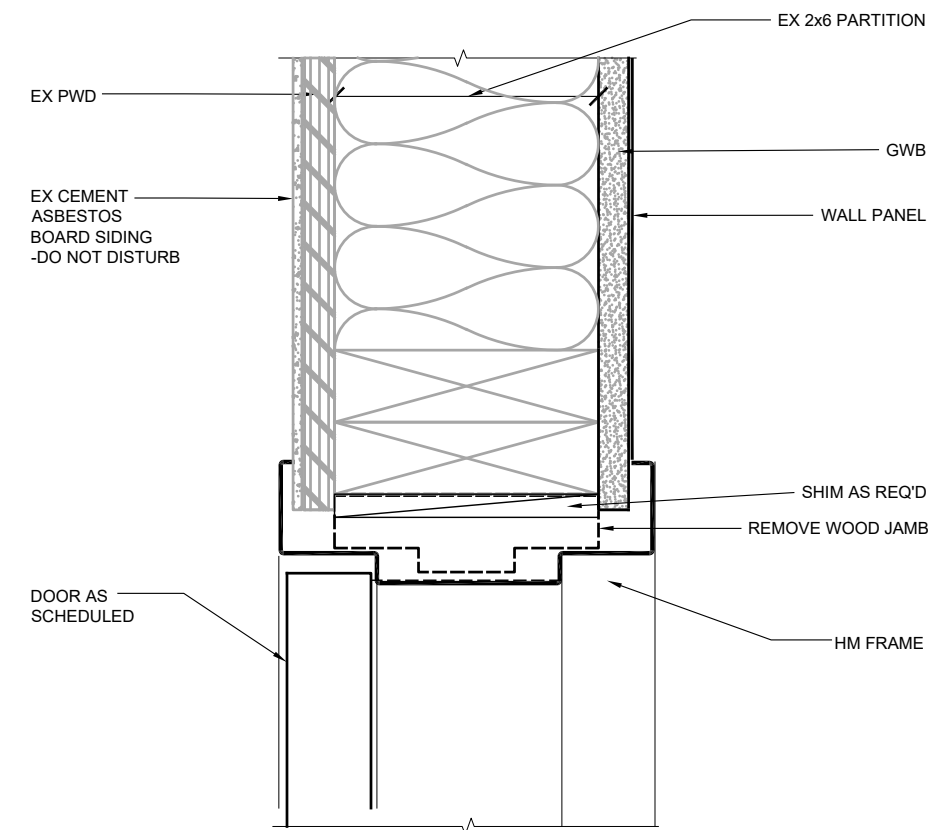
**1** INTERIOR DOOR HEAD/JAMB (SIM)  
19056/A901-1 SCALE: 0 3" 6"



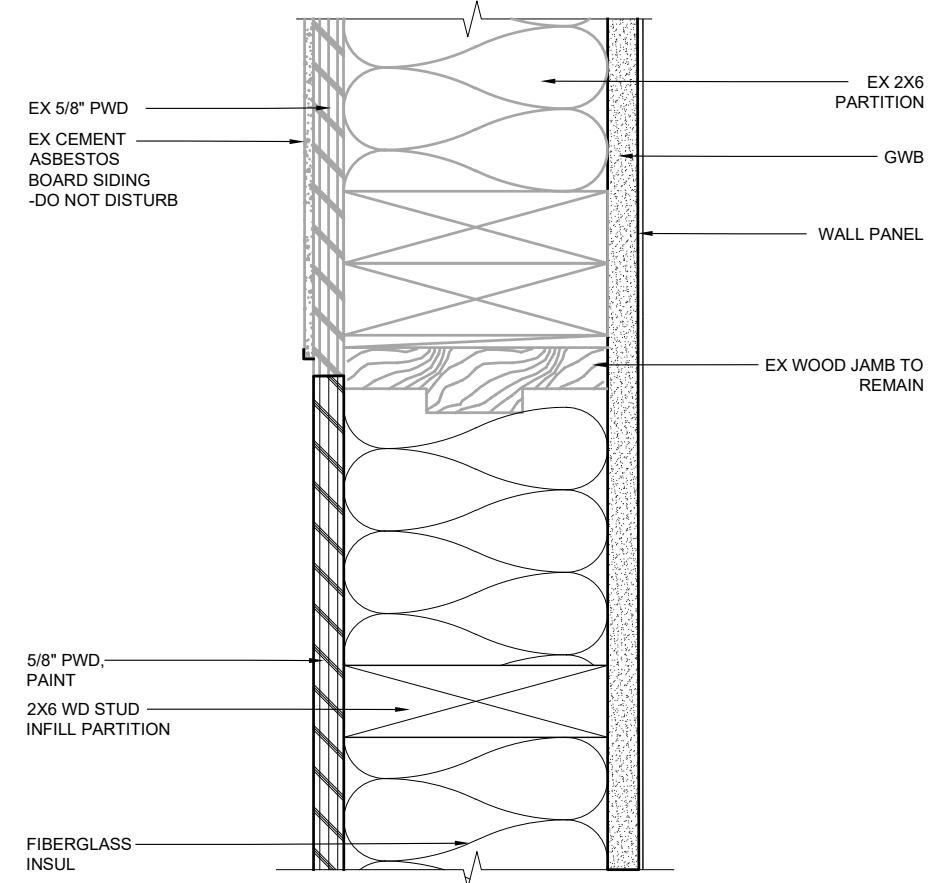
**2** EXTERIOR DOOR SILL  
19056/A\_901-2 SCALE: 0 3" 6"



**3** INTEGRAL COVE TO WALL PANEL  
19056/X\_A901-3 SCALE: 0 1" 2" 4"



**4** EXTERIOR DOOR HEAD/JAMB (SIM)  
19056/A901-4 SCALE: 0 3" 6"



**5** DOOR INFILL DETAIL  
19056/A901-5 SCALE: 0 3" 6"

CONSULTANT:  
**Jensen Yorba Wall Inc.**  
822 West 10th Street  
407.686.1070 Alaska 99601  
AECC619 jensenyorbawall.com



**PDC**  
ENGINEERS  
PLAN • DESIGN • CONSTRUCT  
9105 Mendenhall Mall Rd. Ste 4, Juneau, Alaska 99801  
907.780.8060 | AECC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
CBJ PROJECT NO. BE20-224  
JUNEAU, ALASKA

SHEET TITLE:  
**DETAILS**  
CONSTRUCTION DOCUMENTS

DESIGN  
DRAWN  
CHECKED  
DATE 03/18/2020

PROJECT No.  
**19318JM**  
SHEET NUMBER

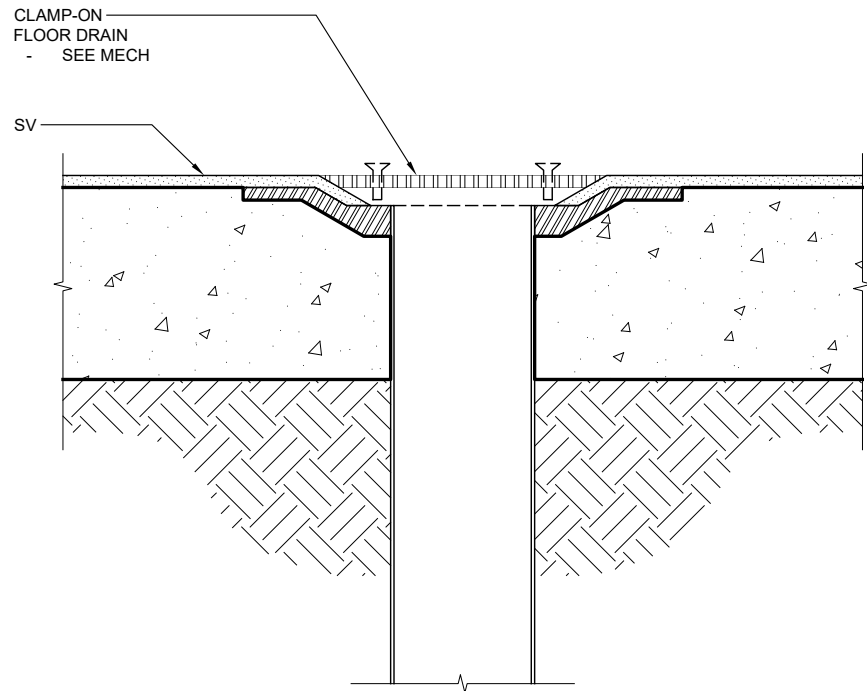
**A901**

No.	Date	Item

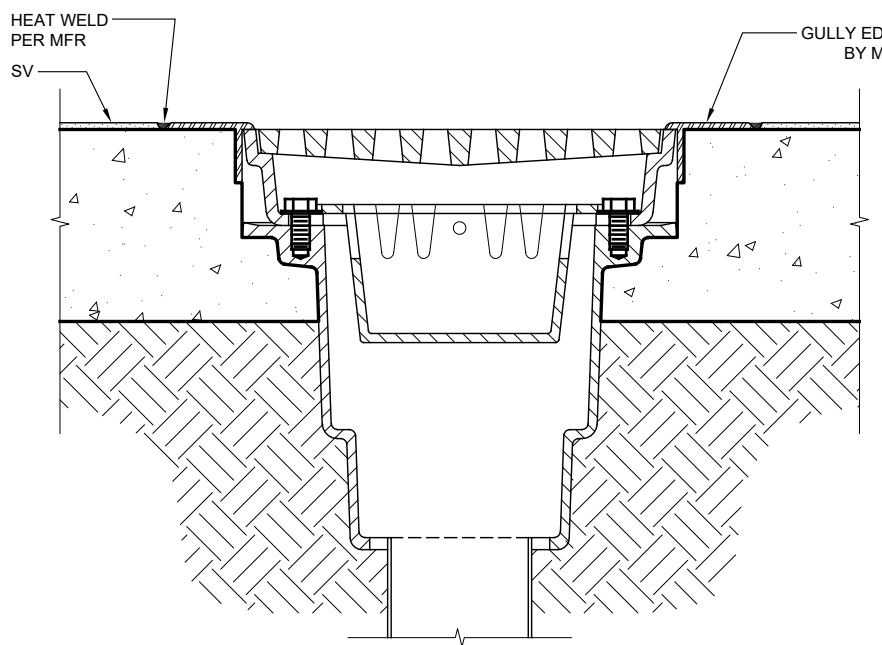
C:\Projects\19056\CAD\CAD\A901\Layout1 Apr 03, 2020 1:11 PM

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

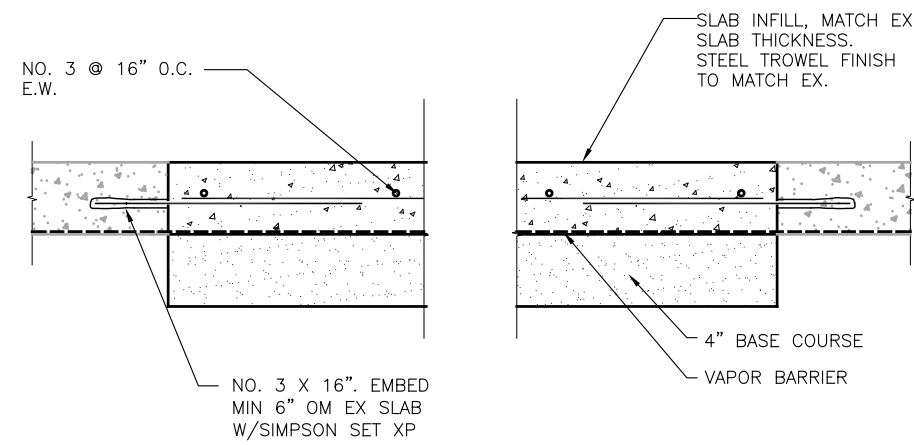
CV: Projects\19056\CAD\Civil\A902\_Layout1.dwg Apr 03, 2020 11:10 PM



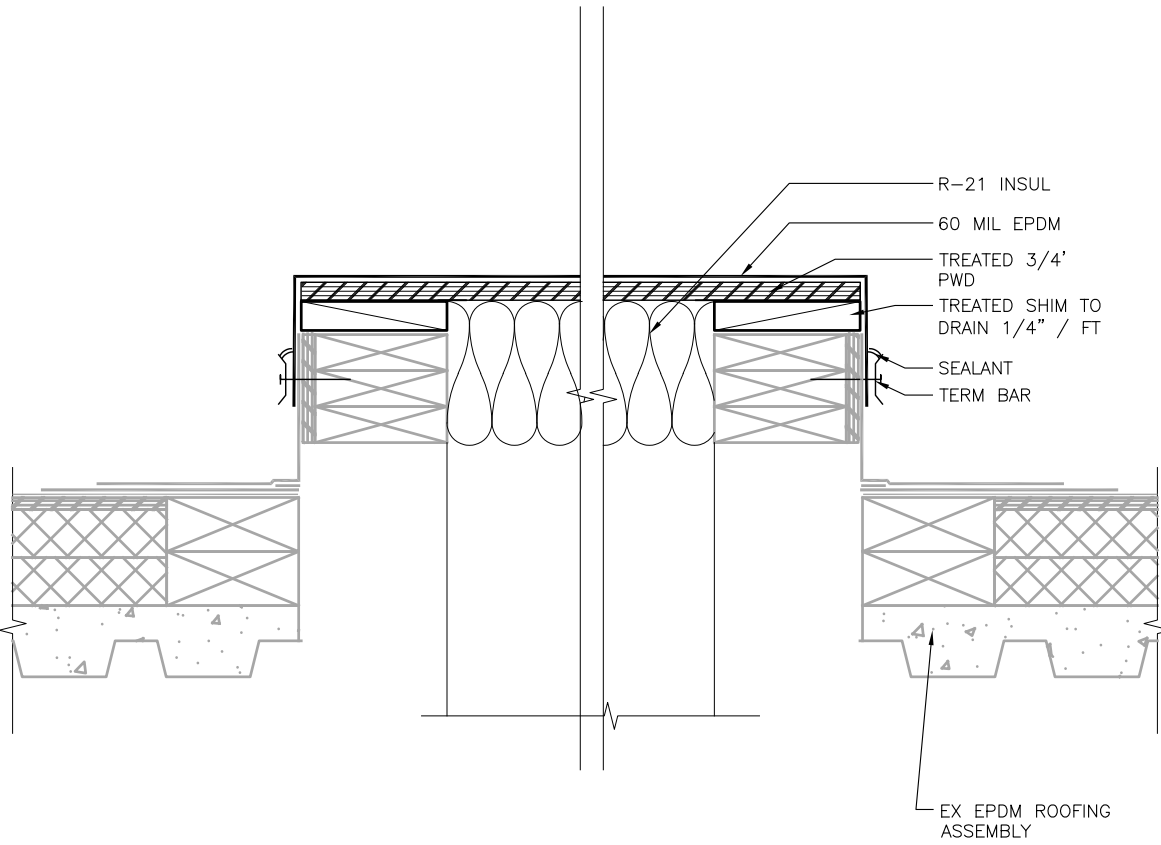
**1** **DETAIL @ FLOOR DRAIN**  
19056/A\_902-1 SCALE: 0 3" 6"



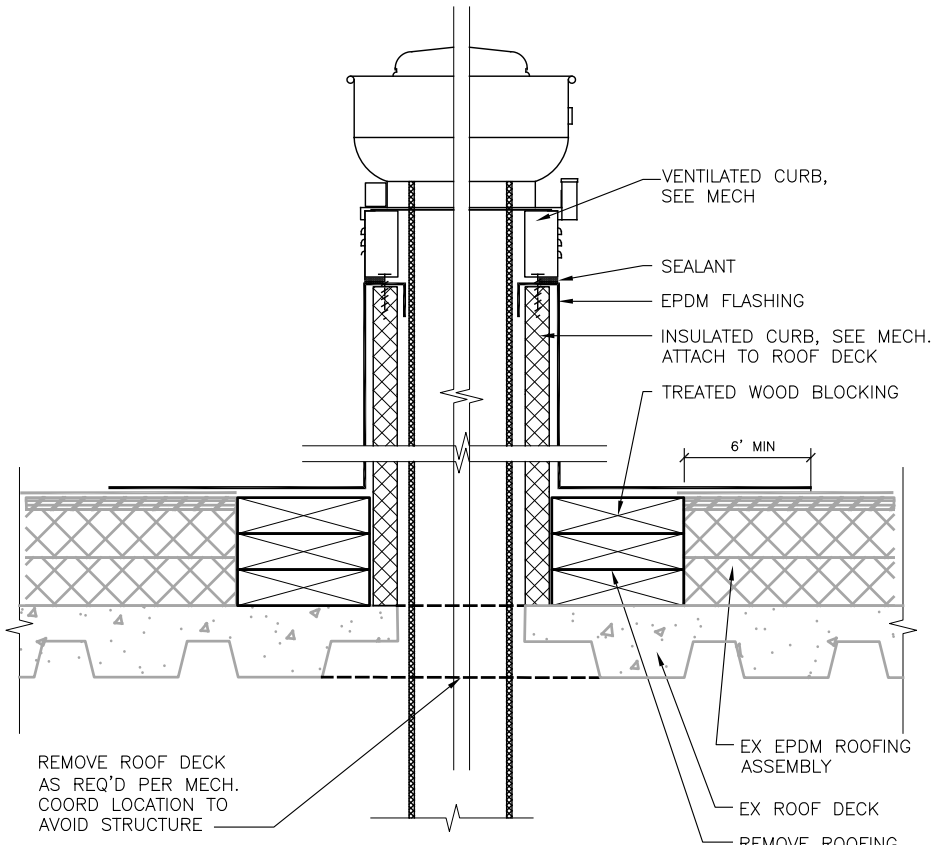
**2** **DETAIL @ FLOOR SINK**  
19056/A\_902-2 SCALE: 0 3" 6"



**3** **TYPICAL SLAB INFILL**  
19056/X\_CONC PATCH SCALE: 0 6" 1' 2'



**4** **ROOF PATCH @ VENTILATOR CURB**  
19056/X\_ROOF PATCH SCALE: 0 3" 6" 1'



**5** **DUCT THRU ROOF**  
19056/X\_EF THRU ROOF SCALE: 0 3" 6" 1'

No.	Date	Item

CONSULTANT:  
**Jensen Yorba Wall Inc.**  
 822 West 10th Street  
 Juneau, Alaska 99801  
 907.586.1070  
 AEC00317  
 jensenyorbawall.com



**PDC**  
 ENGINEERS  
 PLAN • DESIGN • CONSTRUCT  
 9105 Mendenhall Mall Rd. Ste 4, Juneau, Alaska 99801  
 907.780.8060 | AEC0605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
**CBJ PROJECT NO. BE20-224**  
 JUNEAU, ALASKA

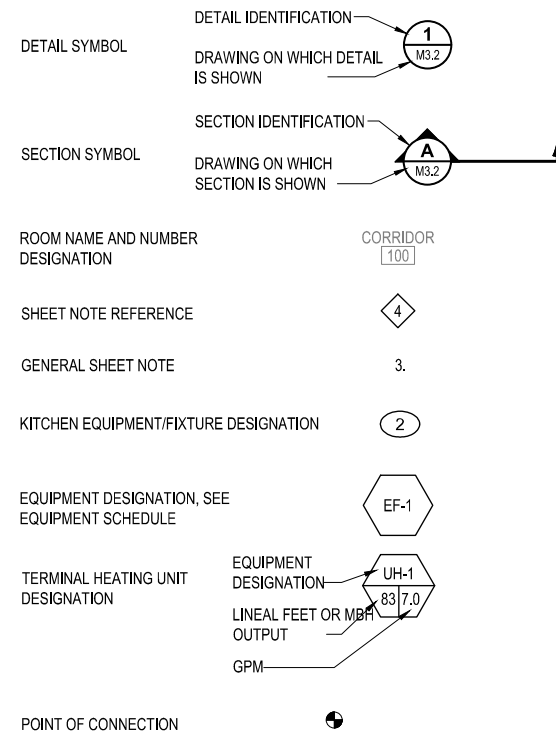
SHEET TITLE:  
**DETAILS**  
**CONSTRUCTION DOCUMENTS**

DESIGN	
DRAWN	
CHECKED	
DATE	03/18/2020
PROJECT No.	19318JM
SHEET NUMBER	A902

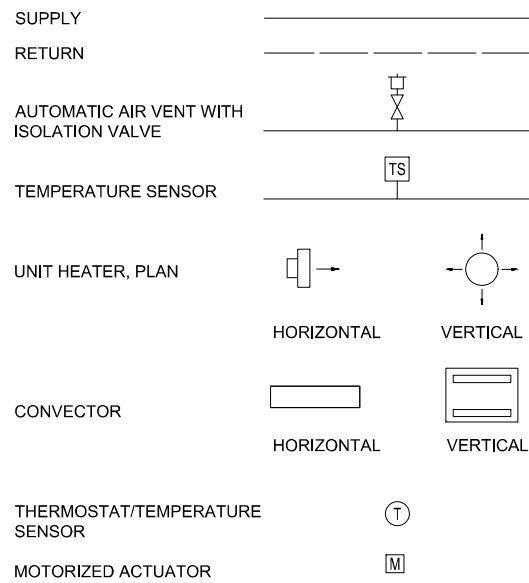
1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

P:\2019\19318JM\MarieDrake\_Kitchen\19318JM-14-001\_Apr.03.2020\_3:29 PM

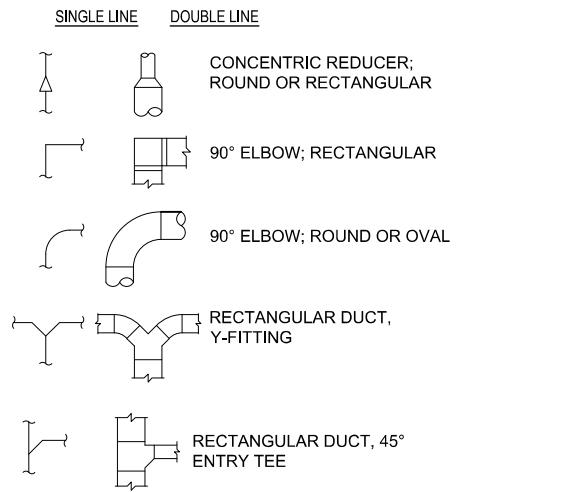
**GENERAL**



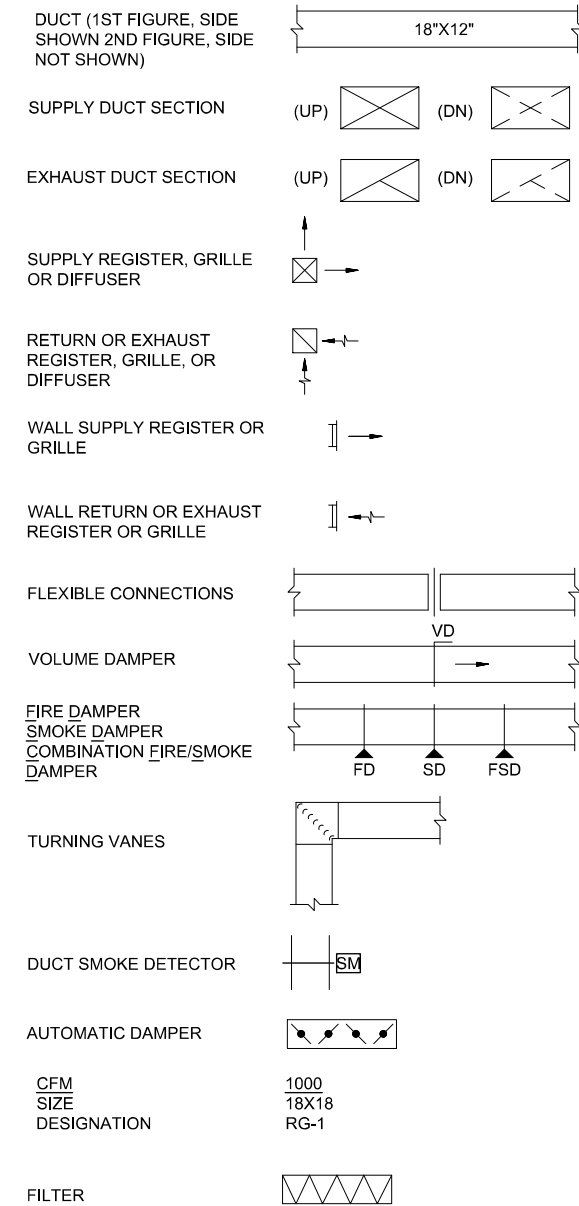
**HEATING & COOLING**



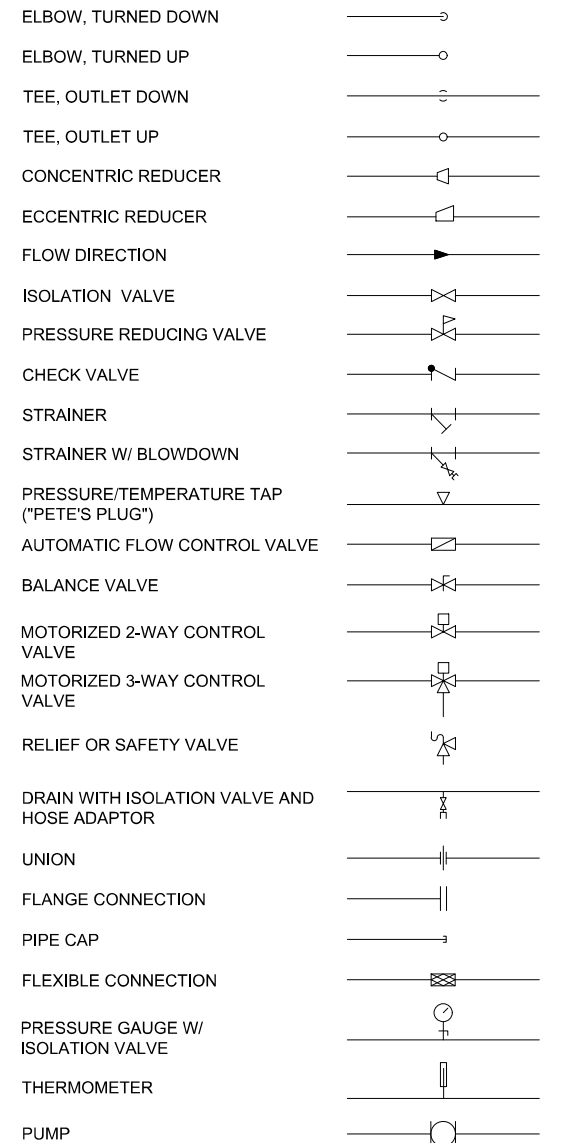
**DUCT SYMBOLS**



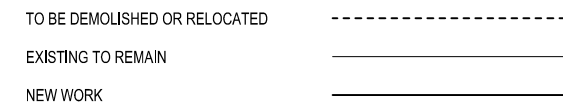
**VENTILATION**



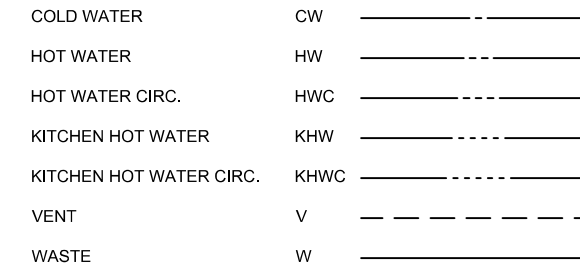
**PIPE FITTINGS AND VALVES**



**CONSTRUCTION LINETYPES**



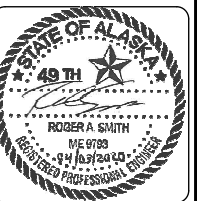
**PLUMBING**



**ABBREVIATIONS**

ACFM	ACTUAL CUBIC FEET PER MINUTE (AT ALTITUDE)	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
AHAP	AS HIGH AS POSSIBLE	NC	NORMALLY CLOSED
APPROX	APPROXIMATE	NIC	NOT IN CONTRACT
AV	AUTOMATIC VALVE	NIM	NOT IN MECHANICAL
AWT	AVERAGE WATER TEMPERATURE	NO	NORMALLY OPENED
B	BUTTERFLY DAMPER	NO.	NUMBER
BAS	BUILDING AUTOMATION SYSTEM	02	OXYGEN
BFP	BACK FLOW PREVENTER	OA	OUTSIDE AIR
BTU	BRITISH THERMAL UNIT	OAD	OUTSIDE AIR DAMPER
CA	COMPRESSED AIR	OC	ON CENTER
CFM	CUBIC FEET PER MINUTE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CIRC	CIRCULATION	ORD	OVERFLOW ROOF DRAIN
CLNG	CEILING	OSA	OUTSIDE AIR
CO	CLEAN OUT	PD	PRESSURE DROP
CO2	CARBON DIOXIDE	PDI	PLUMBING AND DRAINAGE INSTITUTE
CONT	CONTINUATION, CONTINUED	PH	PHASE
CU	COPPER	PH	PHASE
CV	CONVECTOR	POC	POINT OF CONNECTION
CW	COLD WATER	PSIG	POUNDS PER SQUARE INCH GAUGE
DDC	DIRECT DIGITAL CONTROLS	PSI	POUNDS PER SQUARE INCH
(D)	DEMOLISH	PW	PUMPED WASTE
DIA	DIAMETER	RA	RETURN AIR
DIA	DIAMETER	RAD	RETURN AIR DAMPER
DN	DOWN	RAT	RETURN AIR TEMPERATURE
(E)	EXISTING	RD	ROOF DRAIN
EA	EXHAUST AIR	RECIRC	RECIRCULATION
EAD	EXHAUST AIR DAMPER	RG	RETURN GRILLE
EAT	ENTERING AIR TEMPERATURE	RPBP	REDUCED PRESSURE ZONE
EF	EXHAUST FAN		BACKFLOW PREVENTER
EG	EXHAUST GRILLE	RL	RAIN WATER LEADER
ENT	ENTERING	S	SINK
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SCFM	STANDARD CUBIC FEET PER MINUTE (AT SEA LEVEL)
FCO	FLOOR CLEANOUT	SCH	SCHEDULE
FD	FLOOR DRAIN	SD	STORM DRAIN
FS	FLOOR SINK	SF	SUPPLY FAN
FSD	FIRE SMOKE DAMPER	SG	SUPPLY GRILLE
FT	FEET	SU	SUPPLY FAN UNIT
GAL	GALLONS	SS	STAINLESS STEEL
GALV	GALVANIZED	T&P	TEMPERATURE & PRESSURE RELIEF VALVE
GPM	GALLONS PER MINUTE		RELIEF VALVE
HB	HOSE BIB	TA	TRANSFER AIR
HC	HEATING COIL	TEMP	TEMPERATURE
HP	HORSE POWER	TOH	TOTAL DEVELOPED HEAD
HW	HOT WATER	TP	TRAP PRIMER
HWC	HOT WATER CIRCULATION	TSP	TOTAL STATIC PRESSURE
HR	HEATING WATER RETURN	TYP.	TYPICAL
HS	HEATING WATER SUPPLY	UL	UNDERWRITER'S LABORATORY
HX	HEAT EXCHANGER	UON	UNLESS OTHERWISE NOTED
HZ	HERTZ	V	VENT
IN	INCHES	VAV	VARIABLE AIR VOLUME
KHW	KITCHEN HOT WATER	VFD	VARIABLE FREQUENCY DRIVE
KHWC	KITCHEN HOT WATER CIRC	VI	VIBRATION ISOLATOR
LAT	LEAVING AIR TEMPERATURE	VTR	VENT THROUGH ROOF
LAV	LAVATORY	VR	VENT RISER
LF	LINEAL FEET	W	WASTE
LV	LOUVER	W/	WITH
LVG	LEAVING	WC	WATER CLOSET
LWT	LEAVING WATER TEMPERATURE	W.C.	WATER COLUMN
MA	MIXED AIR	WCO	WALL CLEANOUT
MAD	MIXED AIR DAMPER	WHA	WATER HAMMER ARRESTOR
MAT	MIXED AIR TEMPERATURE	WPD	WATER PRESSURE DROP
MAX	MAXIMUM	WRT	WITH RESPECT TO
MBH	THOUSAND BTU'S PER HOUR		

CONSULTANT :



PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
CBJ PROJECT NO.: BE20-224  
JUNEAU, ALASKA

SHEET TITLE :  
**MECHANICAL LEGENDS AND ABBREVIATIONS**  
CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020

PROJECT No.  
**19318JM**  
SHEET NUMBER

**M-001**

No.	Date	Item

**FAN SCHEDULE**

EQUIPMENT	HP	ESP	RPM	CAPACITY (CFM)	ELECTRICAL	BASIS OF DESIGN	COMMENTS
KITCHEN EXHAUST FAN, KEF-1	0.75	1.25"	1255	1000	115V / 1PH	CAPTIVEAIRE MODEL DU85HFA	UPBLAST ROOF EXHAUST FAN WITH GREASE BOX, FAN BASE CERAMIC SEAL, ECM WIRING PACKAGE, FULL CRATING, AND GREASE CUP. PROVIDE CURB FOR EXHAUST FAN AT ROOF PENETRATION POINT WITH VENTILATED CURB EXTENSION.

**EXHAUST HOOD SCHEDULE**

EQUIPMENT	SERVICE	AIR VOLUME (CFM)	DIMENSIONS	ELECTRICAL	BASIS OF DESIGN	COMMENTS
KITCHEN EXHAUST HOOD, KEH-1	KITCHEN	1000	48"x54"x24"	120 / 1	CAPTIVEAIRE MODEL 5424 ND-2	48" LONG TYPE-1 HOOD WITH 12" LONG UTILITY CABINET, 304 STAINLESS STEEL INSULATED BACKSPLASH (108" H x 90" L x 1"), INSULATION FOR BACK OF HOOD, SENSOR-CV, FIRE SUPPRESSION SYSTEM, HOOD LIGHT.

**PLUMBING FIXTURE SCHEDULE**

EQUIPMENT	CW	HW/KHW	WASTE	VENT	BASIS OF DESIGN	COMMENTS
HAND WASH SINK (18)	1/2"	1/2"	1-1/2"	1-1/2"	SEE ARCHITECTURAL	PROVIDE ROUGH-IN AND FINAL CONNECTIONS. INSTALL ALL TRIM REQUIRED FOR PROPER OPERATION. PROVIDE AND INSTALL TV-1.
VEGETABLE PREP SINK (7)	1/2"	1/2"	1-1/2"	-	SEE ARCHITECTURAL	PROVIDE ROUGH-IN AND FINAL CONNECTIONS. INSTALL ALL TRIM REQUIRED FOR PROPER OPERATION.
TRIPLE POT SINK (12)	1/2"	1/2"	2"	1-1/2"	SEE ARCHITECTURAL	PROVIDE ROUGH-IN AND FINAL CONNECTIONS. INSTALL ALL TRIM REQUIRED FOR PROPER OPERATION.
DISH WASHER (9)	1/2"	1/2"	1-1/2"	1-1/2"	SEE ARCHITECTURAL	INSTALL DRAIN WATER TEMPERING KIT.
FLOOR SINK, FS-1	-	-	2"	2"	MIFAB FS1730-C-FC	12"X12"X8" DEEP. WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR. GALVANIZED CAST IRON BODY, ACID-RESISTING INTERIOR DOME STRAINER, WEEP HOLES, ANCHOR FLANGE WITH SURFACE MEMBRANE CLAMP.
FLOOR DRAIN, FD-1	-	-	2"	2"	MIFAB F1100-C-FC	GALVANIZED CAST-IRON TWO-PIECE BODY WITH ANCHOR FLANGE, WEEP HOLES, SURFACE MEMBRANE CLAMP. ROUND, ADJUSTABLE 7-INCH NICKEL - BRONZE STRAINER. TRAP PRIMER
SERVICE SINK, SS-1	1/2"	1/2"	3"	2"	KOHLER WHITBY	28" X 28" X 8" HIGH ENAMEL CAST-IRON CORNER TYPE SERVICE SINK. EXPOSED, WALL TYPE COMBINATION SUPPLY WITH LEVER HANDLES, SPOUT BRACE, VACUUM BREAKER.

**PLUMBING EQUIPMENT SCHEDULE**

EQUIPMENT	CW	HW	BASIS OF DESIGN	COMMENTS
TRAP PRIMER, TP-1	1/2"	-	MIFAB M-500	INSTALL WITH ISOLATION VALVE, DISTRIBUTION UNIT BEHIND ACCESS DOOR.
WATER HAMMER ARRESTOR, WHA-1	1/2"	1/2"	MIFAB MWH	INSTALL WITH ISOLATION VALVE. LOCATE BEHIND ACCESS DOOR WHERE NOT ACCESSIBLE.
TEMPERING VALVE, TV-1	1/2"	1/2"	WATTS LFLM495	ASSE 1070 TEMPERING VALVE FOR HAND SINK.
ICE MACHINE BOX, BX-1	1/2"	-	WATER TITE	RECESSED BOX WITH SHUTOFF AND WATER HAMMER ARRESTOR.

**KITCHEN EQUIPMENT SCHEDULE**

EQUIPMENT	DESIGN MANUFACTURER	MODEL	COMMENTS
GREASE INTERCEPTOR, GI-1	MIFAB	MI-G-5	RECESSED 10 GAUGE EPOXY COATED STEEL GREASE INTERCEPTOR. INTERNAL AIR RELIEF. INTERNAL TRAP. REMOVABLE DIFFUSER BAFFLE. GASKETED FLOOR COVER. 25 GPM FLOW RATE WITH 50 LB. GREASE CAPACITY. FLOW CONTROL DEVICE.

**HEATING EQUIPMENT SCHEDULE**

EQUIPMENT	DESIGN MANUFACTURER	MODEL	COMMENTS
CONVECTOR, CV-1	RITTLING	TYPE SL	7 MBH @ 180°F AVERAGE WATER TEMPERATURE, 20°F WATER TEMPERATURE DROP. WALL HUNG, SLOPING TOP. 36"L x 26"H x 6"D. FINISH COLOR SELECTED BY ARCHITECT.

**SHEET NOTES**

- SEE SPECIFICATIONS FOR COMPLETE INFORMATION.
- CODES AND REGULATIONS: ALL WORK HEREUNDER SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL FIRE CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2015 UNIFORM PLUMBING CODE, 2012 INTERNATIONAL BUILDING CODE, NFPA, CBJ, AND STATE OF ALASKA MODIFICATIONS INSOFAR AS MINIMUM REQUIREMENTS ARE CONCERNED, BUT THE DRAWINGS AND SPECIFICATIONS SHALL GOVERN IN CASE THE MINIMUM REQUIREMENTS ARE EXCEEDED. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL.
- ALL FIXTURE DESIGNATIONS, (X), RELATE TO KITCHEN EQUIPMENT/FIXTURES.
- MECHANICAL CONTRACTOR TO ROUGH-IN AND CONNECT ALL HOT AND COLD WATER SUPPLY PIPING, WASTE, DRAINAGE, AND VENT AS REQUIRED FOR ALL PLUMBING FIXTURES AND OTHER FOOD SERVICE EQUIPMENT PROVIDED BY THE CONTRACTOR OR BY THE OWNER. MECHANICAL CONTRACTOR TO INSTALL ALL LOOSE EQUIPMENT SUCH AS FITTINGS, VALVES, AND FAUCETS PROVIDED WITH THE FOOD SERVICE EQUIPMENT. THE MECHANICAL CONTRACTOR IS TO PROVIDE ALL CONNECTING PIPING AND ALL TRAPS, TRIM, AND RELATED PLUMBING APPURTENANCES NOT SUPPLIED WITH THE FOOD SERVICE EQUIPMENT BUT REQUIRED TO COMPLETE THE EQUIPMENT INSTALLATION. INSTALL ISOLATING VALVE OR STOP ON EACH FIXTURE SUPPLY WHETHER SHOWN OR NOT.

**GENERAL MECHANICAL NOTES**

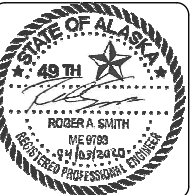
- PROVIDE AS-BUILT DRAWINGS, TRAINING, AND OPERATING AND MAINTENANCE MANUALS TO OWNER.
- TEST AND BALANCE FOR HYDRONIC AND SUPPLY, RETURN, AND EXHAUST VENTILATION AIR SYSTEMS TO BE COMPLETED UNDER SEPARATE CONTRACT. PROVIDE ASSISTANCE AS REQUIRED. TEST AND BALANCE OF KEH HOOD AND KEF EXHAUST FAN INCLUDED HEREUNDER.
- MODIFY EXISTING FIRE SPRINKLER SYSTEM WHERE ROOM AND CEILING MODIFICATIONS OCCUR, AND WHERE REQUIRED TO AVOID NEW WORK. REPLACE ALL SPRINKLER HEADS IN WORK AREA INCLUDING HEADS LOCATED ABOVE CEILING.
- DUCTWORK AND ABOVE GRADE INSULATED PIPING SHOWN AS DEMOLISHED ON MD DRAWINGS WILL BE ABATED AND DEMOLISHED IN SEPARATE FAN AND CONTROLS UPGRADE PROJECT. COORDINATE AND VERIFY ON-SITE.

**AUTOMATIC VALVE AND FLOWSETTER SCHEDULE**

NUMBER	LOCATION	LOCATION	UNIT SERVED	FLOWSETTER SIZE	DESIGN GPM	AV TYPE	VALVE OPERATION	NORMAL POSITION
13	430	KITCHEN STORAGE	CV	3/4	2	2-WAY	DDC	OPEN

NOTE: DDC CONTROL VALVE PROVIDED BY SEPARATE DDC CONTRACTOR. CONTROL VALVE INSTALLED HEREUNDER.

CONSULTANT :

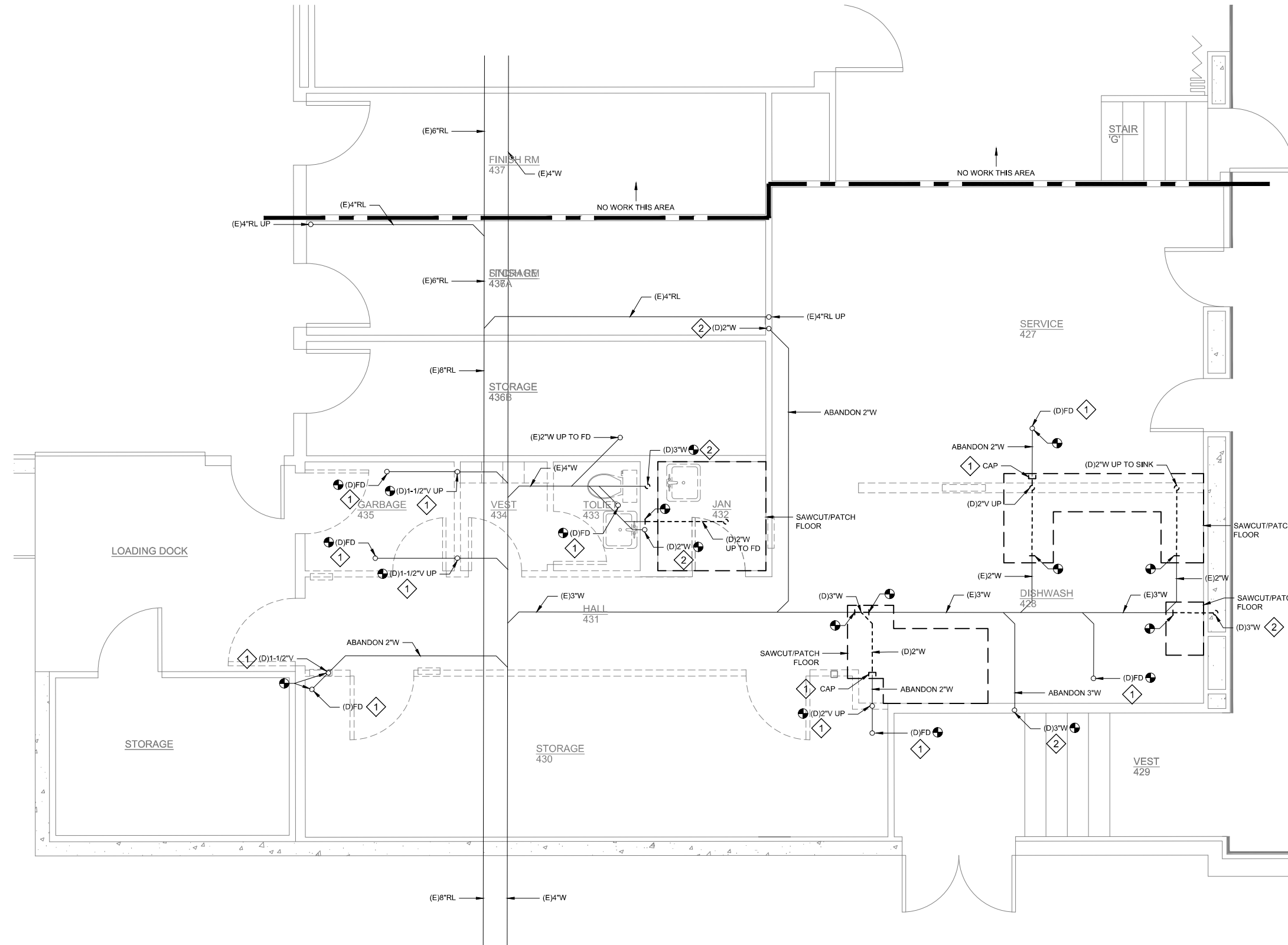


PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

SHEET TITLE :  
**MECHANICAL SCHEDULES**  
 CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020
PROJECT No. 19318JM	
SHEET NUMBER	
<b>M-002</b>	

No.	Date	Item

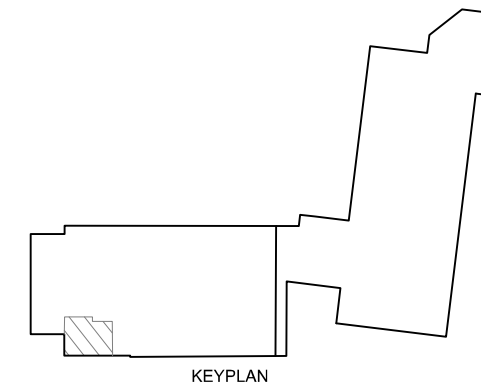


**SHEET KEYNOTES**

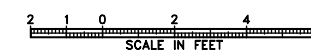
- 1 DEMOLISH. CAP PIPING BELOW FLOOR. PATCH FLOOR.
- 2 DEMOLISH PIPING IN WALL. CAP BELOW FLOOR.

**SHEET NOTES**

- 1. SAWCUTTING OF EXISTING CONCRETE SLAB, TRENCHING, BACKFILL, AND CONCRETE PATCHING REQUIRED.

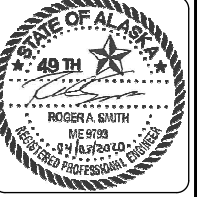


**1 ENLARGED KITCHEN UNDERFLOOR PLAN - DEMOLITION**



No.	Date	Item

CONSULTANT :



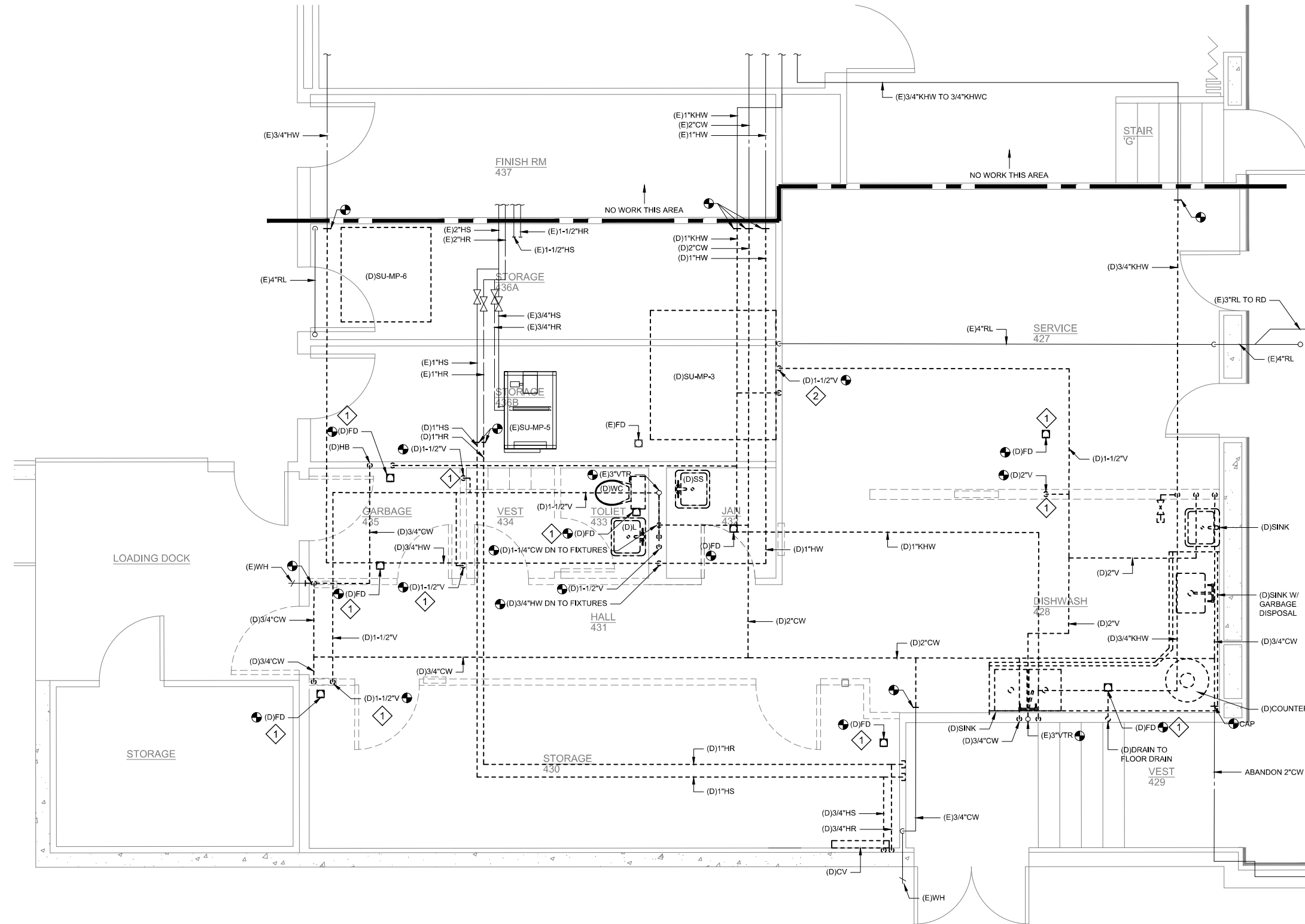
PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

SHEET TITLE :  
**ENLARGED KITCHEN UNDERFLOOR PLAN - DEMOLITION**  
 CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020
PROJECT No. 19318JM	
SHEET NUMBER	
<b>MD401</b>	

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

P:\2019\19318JM\MarieDrake\_Kitchen\MD402.dwg, 19318JM, MD402, Apr 03, 2020, 3:21 PM



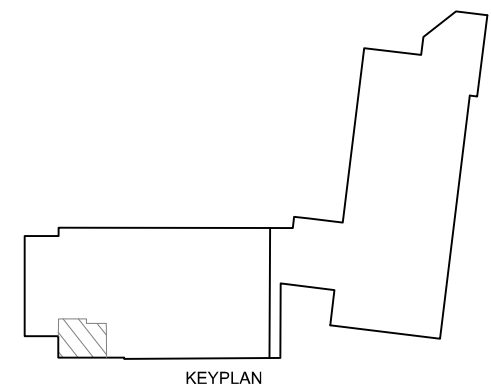
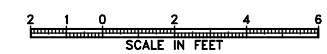
**SHEET KEYNOTES**

- 1 CAP PIPING BELOW FLOOR.
- 2 CAP IN WALL.

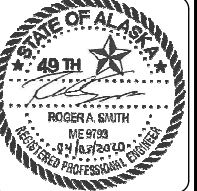
**SHEET NOTES**

1. MODIFY SPRINKLER HEADS AND PIPING IN WORK AREA TO ACCOMMODATE REVISED/NEW ROOM LAYOUTS, CEILING HEIGHTS, AND WHERE REQUIRED TO AVOID NEW WORK. INSTALL NEW HEADS IN WORK AREA.
2. INSULATED KHW, HW, CW, HS, HR PIPING INDICATED AS DEMOLISHED ON THIS SHEET WILL BE ABATED AND REMOVED UNDER SEPARATE FAN AND CONTROLS UPGRADE PROJECT. DEMOLITION OF DOMESTIC PIPING AND HYDRONIC PIPING SHOWN HERE IS FOR REFERENCE ONLY. DEMOLISH ALL OTHER PIPING SHOWN, INCLUDED HEREUNDER.
3. SEE PIPING DIAGRAM FOR ADDITIONAL INFORMATION
4. PATCH ALL OPENINGS

**1 ENLARGED KITCHEN PIPING PLAN - DEMOLITION**



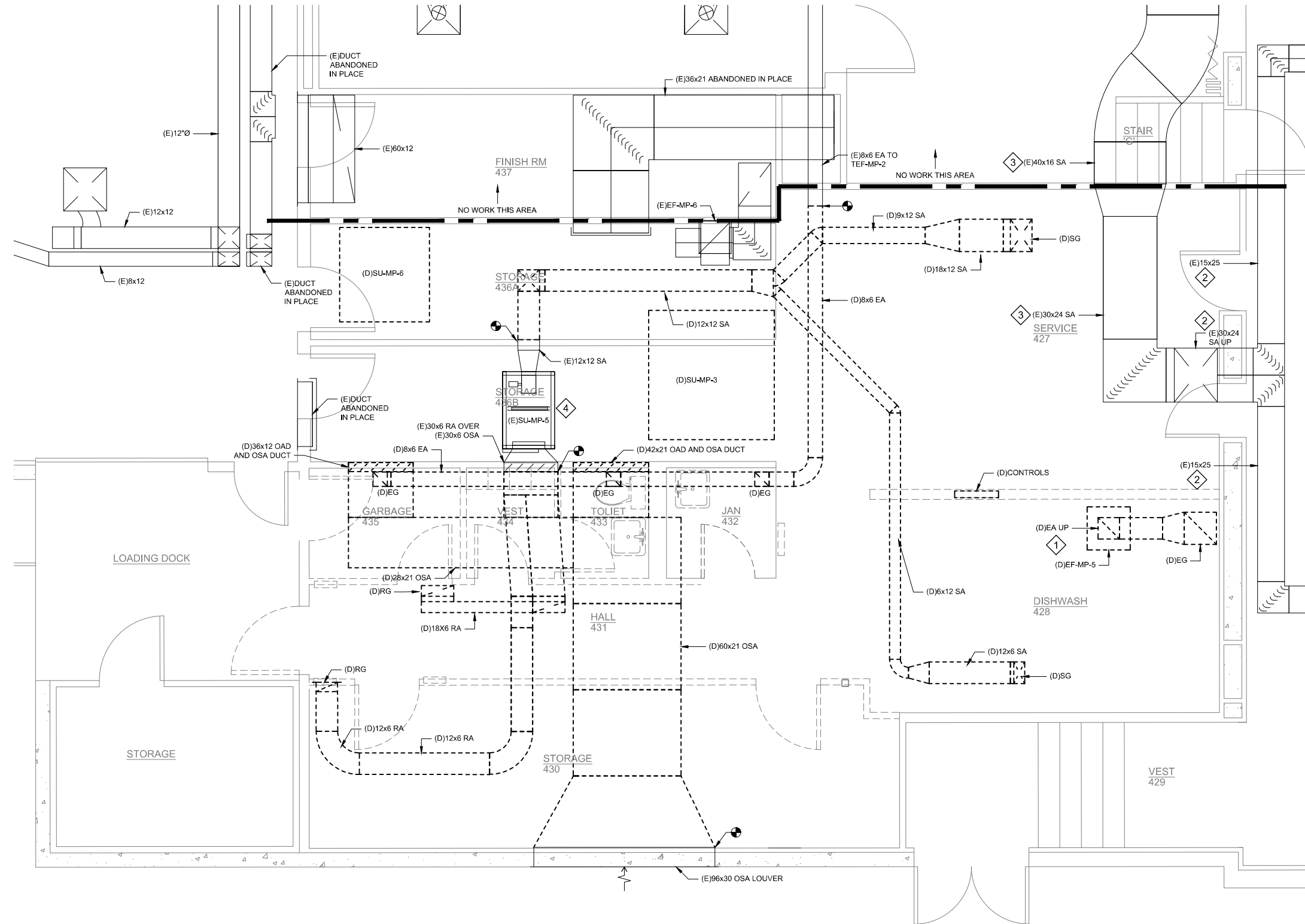
CONSULTANT :



PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

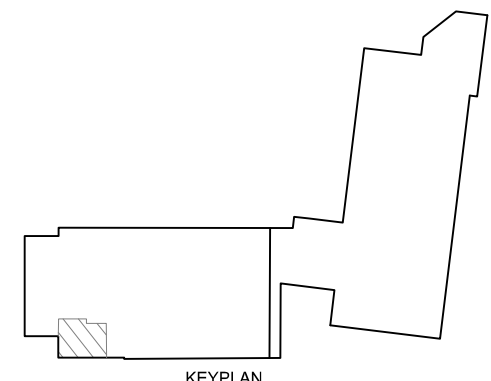
SHEET TITLE :  
**ENLARGED KITCHEN PIPING PLAN - DEMOLITION**  
 CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC	
DRAWN	CSB, DMC	
CHECKED	RS	
DATE	04/03/2020	
PROJECT No. <b>19318JM</b>		
SHEET NUMBER		
<b>MD402</b>		
No.	Date	Item
REVISIONS		

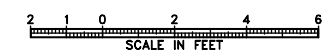


- SHEET KEYNOTES**
- 1 DEMOLISH EXHAUST DUCT UP TO ROOF AND EXHAUST FAN. DEMOLISH EXHAUST FAN. CAP WATERTIGHT AT ROOF PENETRATION.
  - 2 EXISTING GYM SUPPLY DUCT TO REMAIN.
  - 3 SUPPLY DUCT INSTALLED IN SEPARATE FAN AND CONTROLS UPGRADE PROJECT. COORDINATE.
  - 4 SU-MP-5 INSTALLED IN SEPARATE FAN AND CONTROLS UPGRADE PROJECT. COORDINATE.

- SHEET NOTES**
- 1. DUCTWORK AND FANS INDICATED AS DEMOLISHED ON THIS SHEET WILL BE ABATED AND REMOVED UNDER SEPARATE FAN AND CONTROLS UPGRADE PROJECT. DEMOLITION OF DUCTWORK SHOWN HERE IS FOR REFERENCE ONLY.
  - 2. PATCH ALL WALL, FLOOR, CEILING, AND ROOF OPENINGS.



**1 ENLARGED KITCHEN VENTILATION PLAN - DEMOLITION**



No.	Date	Item

CONSULTANT:

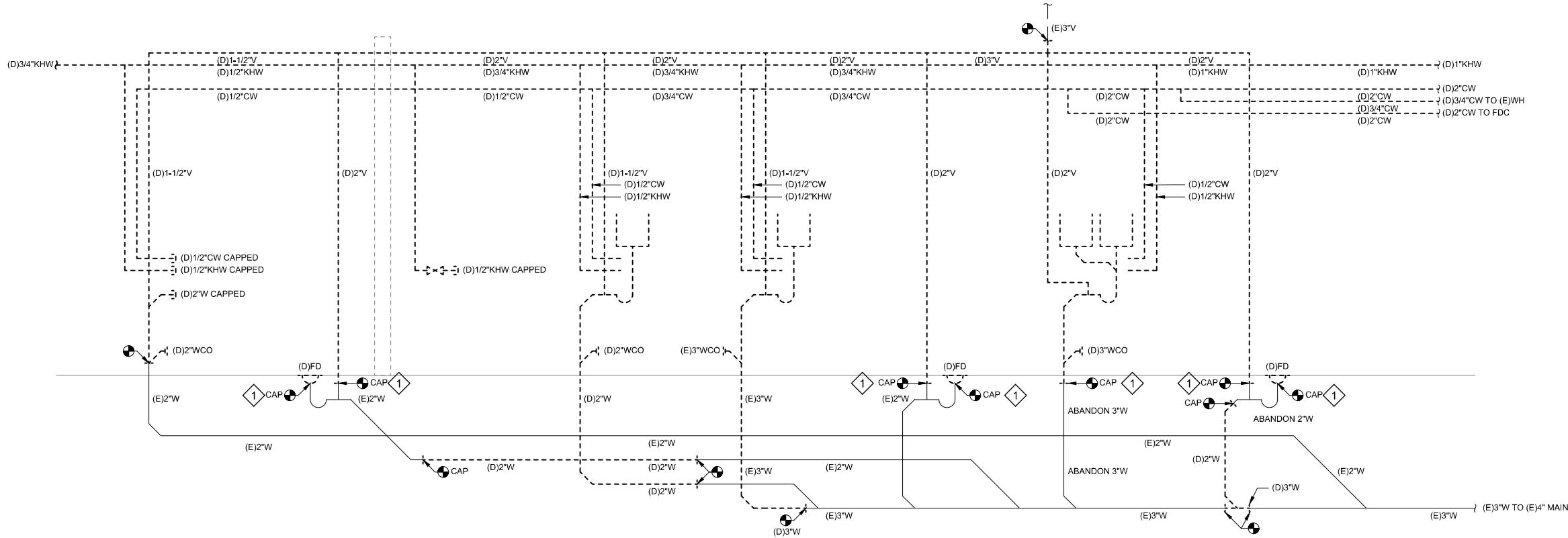
**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.8080 | AECC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

SHEET TITLE:  
**ENLARGED KITCHEN VENTILATION PLAN - DEMOLITION**  
 CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020
PROJECT No. <b>19318JM</b>	
SHEET NUMBER <b>MD403</b>	

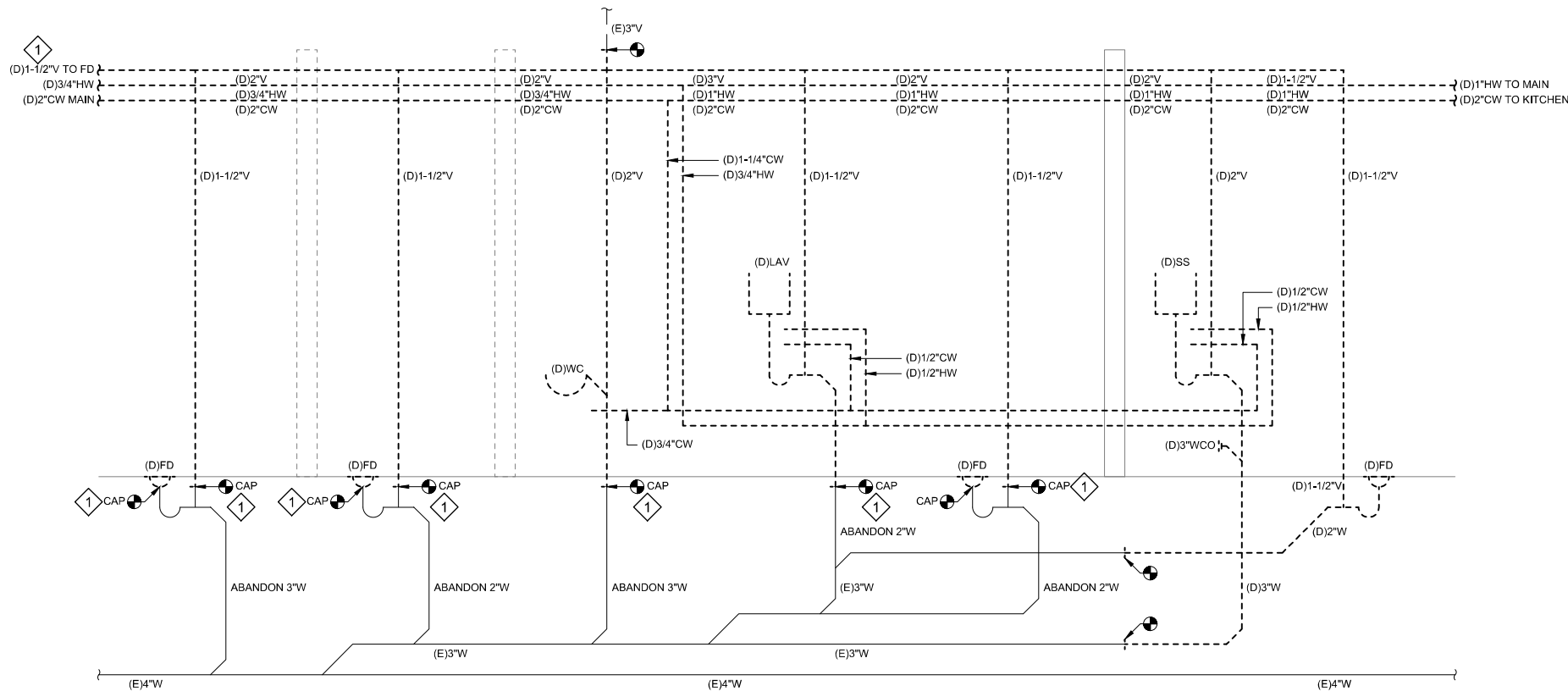




1 KITCHEN PLUMBING DIAGRAM - DEMOLITION

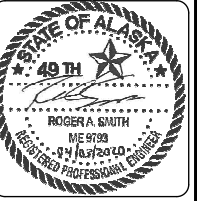
SHEET KEYNOTES

1 DEMOLISH PIPING AND CAP BELOW FLOOR.



2 432 JAN & 433 TOILET PLUMBING DIAGRAM - DEMOLITION

CONSULTANT :



PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN  
 UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

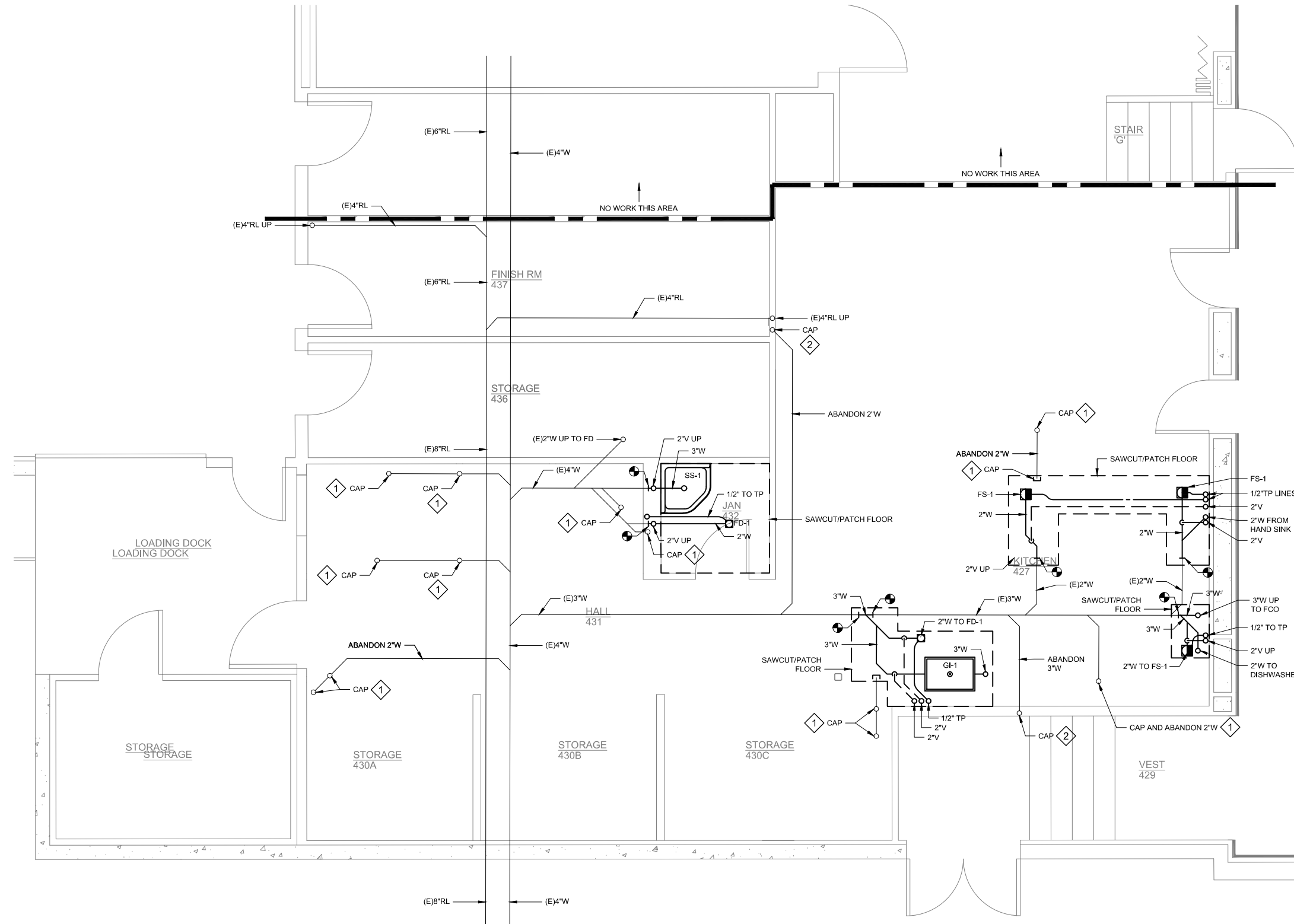
SHEET TITLE :  
**DIAGRAMS -  
 DEMOLITION**  
 CONSTRUCTION DOCUMENTS

DESIGN SB, DMC  
 DRAWN CSB, DMC  
 CHECKED RS  
 DATE 04/03/2020

PROJECT No.  
**19318JM**  
 SHEET NUMBER

**MD601**

No.	Date	Item

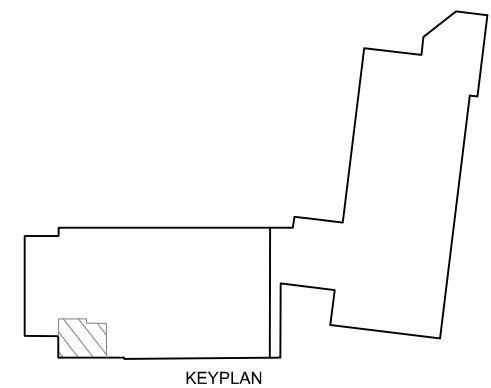


**SHEET KEYNOTES**

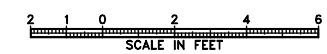
- 1 CAP PIPING BELOW FLOOR. PATCH FLOOR.
- 2 CAP PIPING IN WALL AT FLOOR.

**SHEET NOTES**

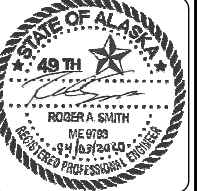
1. SAWCUTTING OF EXISTING CONCRETE SLAB, TRENCHING, BACKFILL, AND CONCRETE PATCHING REQUIRED.
2. INSPECT CONDITION OF EXISTING WASTE PIPING DURING DEMOLITION. NOTIFY OWNER OF DEFICIENCIES.



**1 ENLARGED KITCHEN UNDERFLOOR PLAN**



CONSULTANT :



PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

SHEET TITLE :  
**ENLARGED KITCHEN UNDERFLOOR PLAN**  
 CONSTRUCTION DOCUMENTS

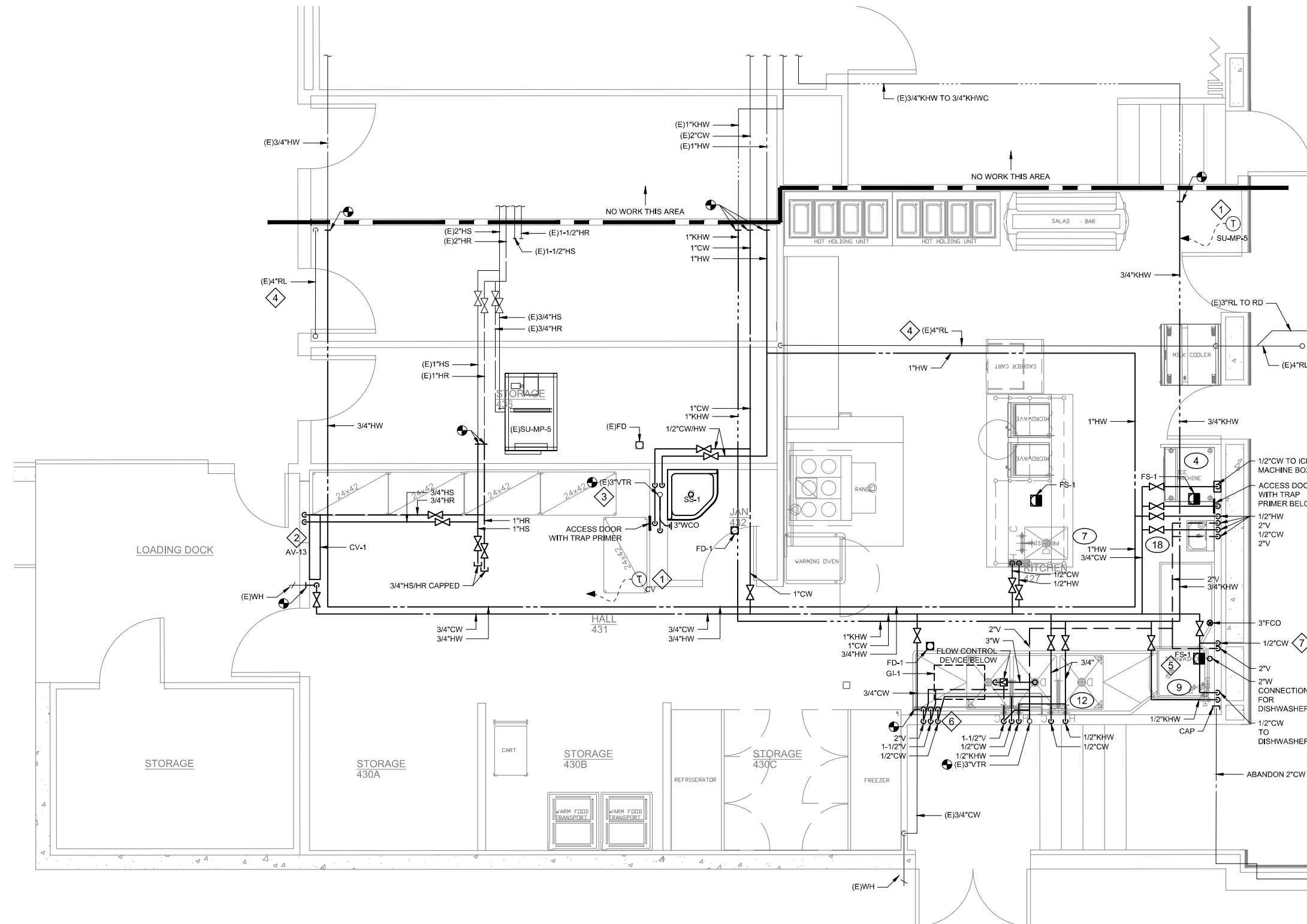
DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020

PROJECT No.  
**19318JM**  
 SHEET NUMBER

**M-401**

No.	Date	Item

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

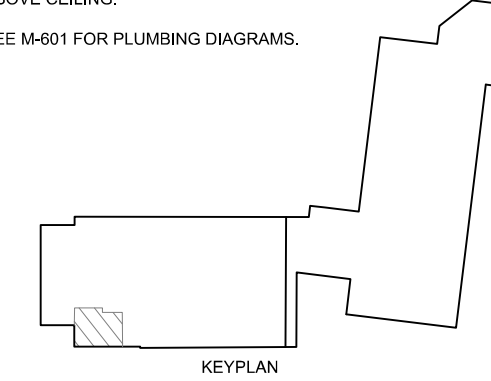


**SHEET KEYNOTES**

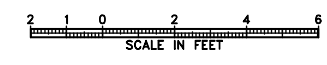
- 1 DDC TEMPERATURE SENSOR AND CONTROL INSTALLED UNDER SEPARATE CONTRACT. COORDINATE AS REQUIRED.
- 2 CONTROL VALVE SUPPLIED BY DDC CONTRACTOR UNDER SEPARATE CONTRACT. CONTROL VALVE INSTALLED HEREUNDER. COORDINATE AS REQUIRED.
- 3 ROUTE 3"W FROM SS-1 TO (E)3"W, CONNECT BELOW FLOOR. PROVIDE 3"WCO SERVING SS-1. ROUTE 2"V FROM SS-1 AND FD-1 TO (E)3"VTR.
- 4 RE-INSULATE EXISTING ROOF DRAIN PIPING ABOVE KITCHEN, IN WORK AREA AND ADJACENT STORAGE ROOM WHERE SHOWN.
- 5 COORDINATE FLOOR SINK LOCATION WITH DISHWASHER LOCATION. LOCATE FLOOR SINK TO AVOID DISHWASHER FEET.
- 6 SURFACE MOUNT TRAP PRIMER ON WALL UNDER TRIPLE POT SINK.
- 7 SURFACE MOUNT TRAP PRIMER ON WALL BEHIND DISHWASHER.

**SHEET NOTES**

- 1. SEE KITCHEN PLANS (ARCH DRAWINGS) AND DIVISION 11.
- 2. ALL FIXTURE DESIGNATIONS, (X), RELATE TO KITCHEN EQUIPMENT/FIXTURES.
- 3. MECHANICAL CONTRACTOR TO ROUGH-IN AND CONNECT ALL HOT AND COLD WATER SUPPLY PIPING, WASTE, DRAINAGE, AND VENT AS REQUIRED FOR ALL PLUMBING FIXTURES AND OTHER FOOD SERVICE EQUIPMENT PROVIDED BY THE CONTRACTOR OR BY THE OWNER. MECHANICAL CONTRACTOR TO INSTALL ALL LOOSE EQUIPMENT SUCH AS FITTINGS, VALVES, AND FAUCETS PROVIDED WITH THE FOOD SERVICE EQUIPMENT. THE MECHANICAL CONTRACTOR IS TO PROVIDE ALL CONNECTING PIPING AND ALL TRAPS, TRIM, AND RELATED PLUMBING APPURTENANCES NOT SUPPLIED WITH THE FOOD SERVICE EQUIPMENT BUT REQUIRED TO COMPLETE THE EQUIPMENT INSTALLATION. INSTALL ISOLATING VALVE OR STOP ON EACH FIXTURE SUPPLY WHETHER SHOWN OR NOT.
- 4. COORDINATE AND FIELD VERIFY ALL ROUGH-IN DIMENSIONS, SIZES, EQUIPMENT LOCATIONS, AND CONNECTION REQUIREMENTS WITH THE ACTUAL EQUIPMENT SUPPLIED BY THE CONTRACTOR OR BY THE OWNER FOR A COMPLETE INSTALLATION. VERIFY ALL STRUCTURAL CONDITIONS.
- 5. 115°F HW IS SUPPLIED TO DISHWASHER. COORDINATE WITH KITCHEN EQUIPMENT.
- 6. FLOOR SINKS, FLOOR DRAINS, SERVICE SINK, AND GREASE INTERCEPTORS PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.
- 7. ALL EXPOSED WASTE/DRAIN PIPING SHALL BE CHROME PLATED OR CHROME PAINTED COPPER DWV.
- 8. MODIFY SPRINKLER HEADS AND PIPING IN WORK AREA TO ACCOMMODATE REVISED/NEW ROOM LAYOUTS, CEILINGS, CEILING HEIGHTS, AND WHERE REQUIRED TO AVOID NEW WORK. INSTALL NEW HEADS IN WORK AREA INCLUDING HEADS LOCATED ABOVE CEILING.
- 9. SEE M-601 FOR PLUMBING DIAGRAMS.



**1 ENLARGED KITCHEN PLAN**



CONSULTANT:

**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.8080 | AECC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO.: BE20-224  
 JUNEAU, ALASKA

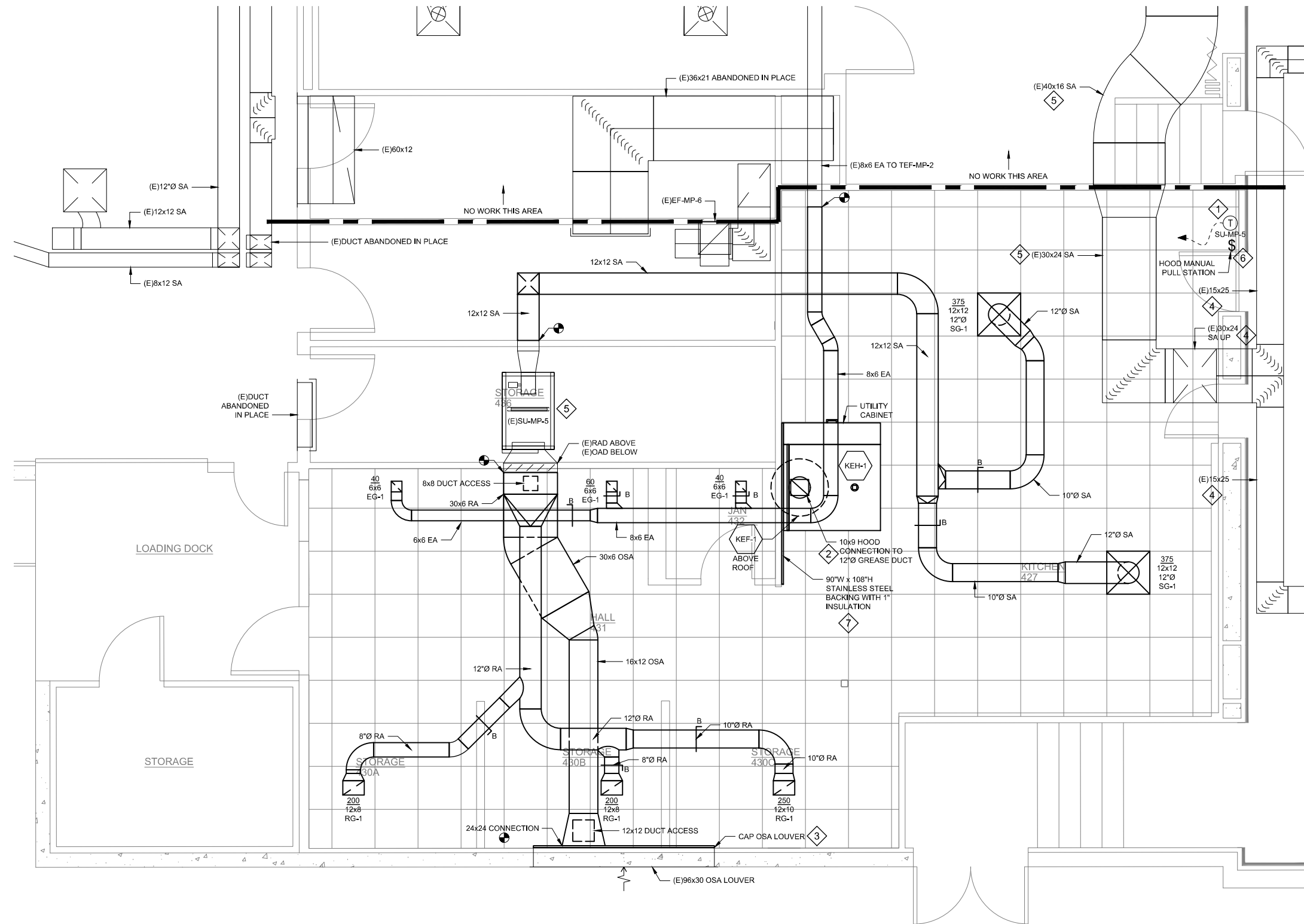
SHEET TITLE:  
**ENLARGED KITCHEN PIPING PLAN**

CONSTRUCTION DOCUMENTS

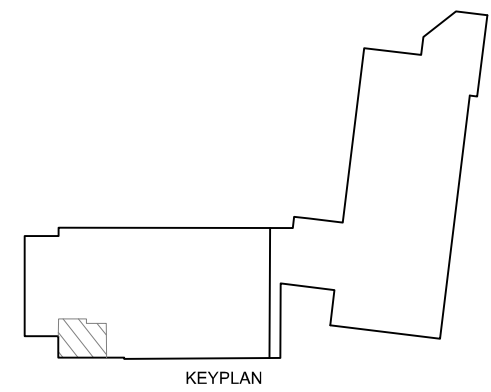
DESIGN	SB, DMC	
DRAWN	CSB, DMC	
CHECKED	RS	
DATE	04/03/2020	
PROJECT No. <b>19318JM</b>		
SHEET NUMBER <b>M-402</b>		
No.	Date	Item
REVISIONS		

P:\2019\19318JM\MarieDrake\_Kitchen\M-402.dwg, K:\csm\m\0402\19318JM\_M-402.dwg, Apr 03, 2020 3:23 PM

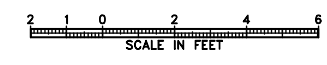
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



- ### SHEET KEYNOTES
- 1 THERMOSTAT TO BE INSTALLED IN HVAC CONTROLS PROJECT. COORDINATE WITH CONTRACTOR IN SEPARATE PROJECT TO HAVE RELOCATED TO LOCATION SHOWN HERE.
  - 2 PROVIDE TRANSITIONS TO HOOD AND FAN UNIT. ROUTE GREASE DUCT UP TO ROOFTOP KEF-1. PROVIDE FIRE WRAP WHERE NEEDED DUE TO CLEARANCES TO COMBUSTIBLES.
  - 3 CAP AND INSULATE UNUSED PORTIONS OF EXISTING 96x30 OSA LOUVER / DUCT.
  - 4 EXISTING GYM SA DUCT TO REMAIN.
  - 5 FAN / DUCT INSTALLED IN SEPARATE FAN AND CONTROLS UPGRADE PROJECT. COORDINATE.
  - 6 HOOD MANUAL PULL STATION. INSTALL PER MANUFACTURERS REQUIREMENTS.
  - 7 INSULATED 1" PANEL FULLY ENCLOSED WITH STAINLESS STEEL LINER.



**1 ENLARGED KITCHEN VENTILATION PLAN**



No.	Date	Item

CONSULTANT:

**PDC ENGINEERS**  
PLAN • DESIGN • CONSTRUCT  
9109 Mendenhall Mall Rd., Ste 4, Juneau, Alaska 99801  
907.780.8080 | AECC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
CBJ PROJECT NO.: BE20-224  
JUNEAU, ALASKA

SHEET TITLE:  
**ENLARGED KITCHEN VENTILATION PLAN**

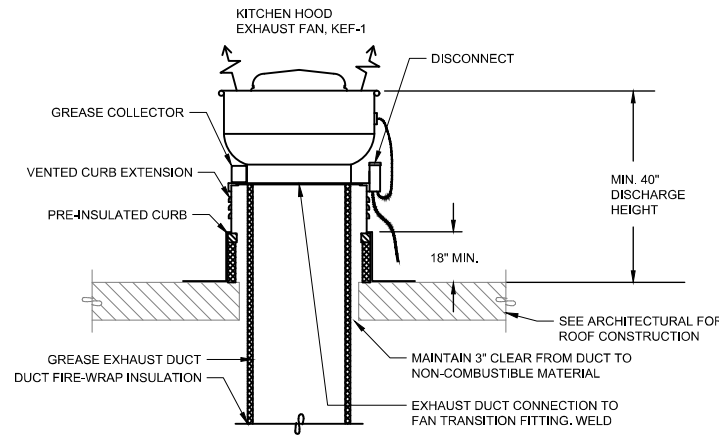
**CONSTRUCTION DOCUMENTS**

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020
PROJECT No. <b>19318JM</b>	
SHEET NUMBER <b>M-403</b>	

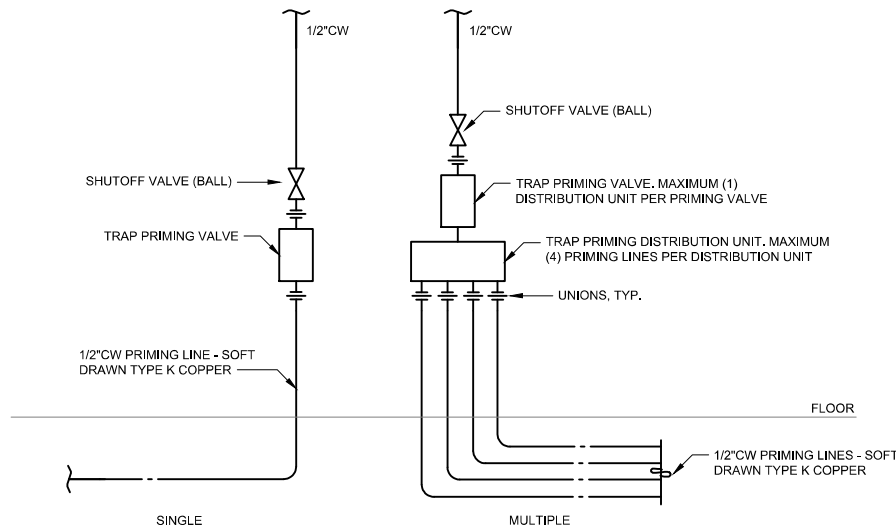
P:\2019\19318JM\MarieDrake\_Kitchen\AEC\19318JM\_M-403\_Apr 03, 2020 3:24 PM

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

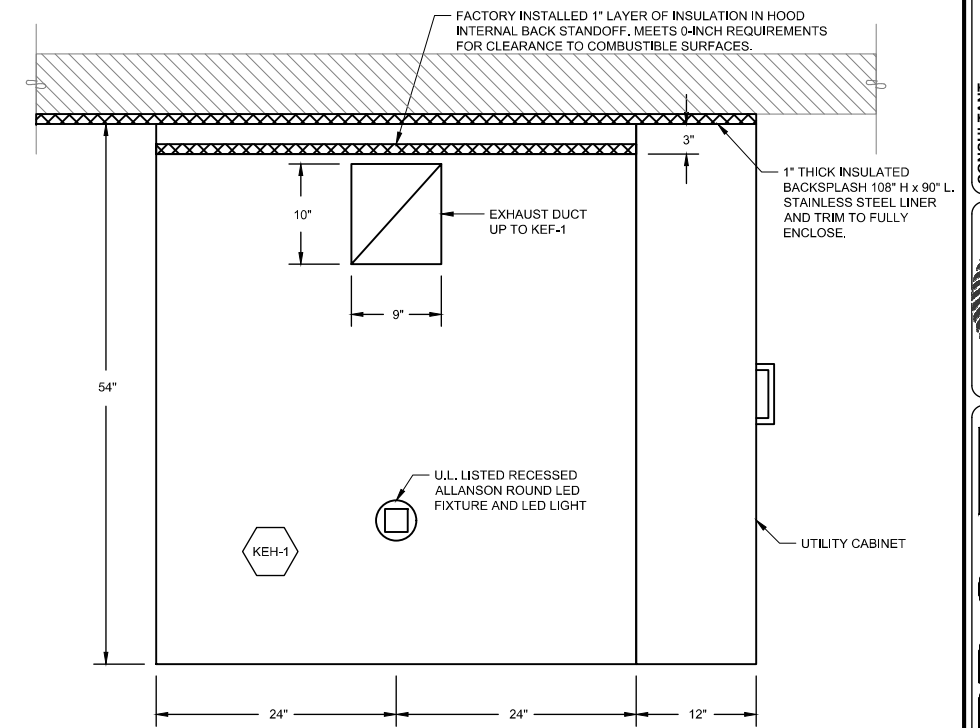
P:\2019\19318JM\MarieDrake\_Kitchen\19318JM-M-501\_Apr 03, 2020, 3:24 PM



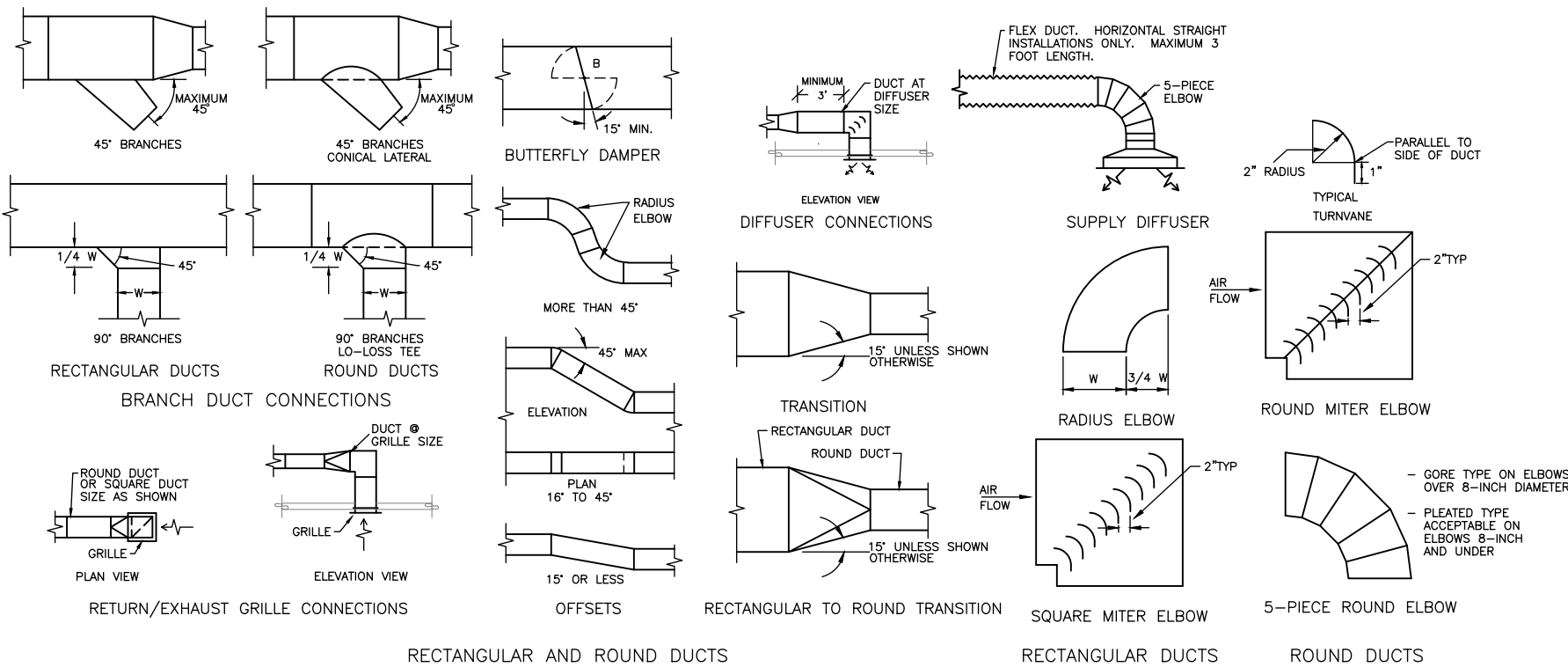
**1 ROOF EXHAUST FAN DETAIL - KEF-1**  
NO SCALE



**2 TRAP PRIMER DETAIL**  
NO SCALE

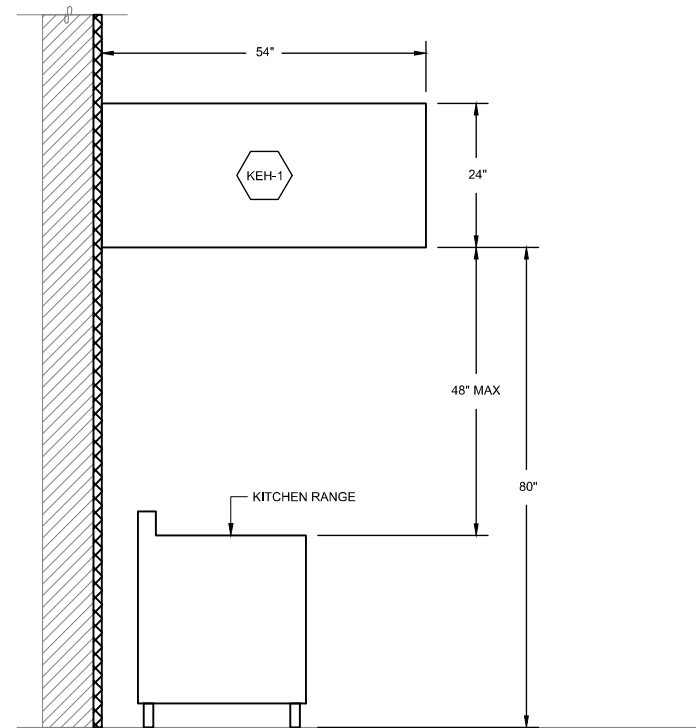


**3 KITCHEN HOOD DETAIL**  
NO SCALE



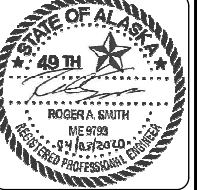
NOTES: 1. ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE SPECIFICATIONS.  
2. MANUAL DAMPER SHALL BE INSTALLED IN EVERY BRANCH DUCT SERVING A DIFFUSER OR GRILLE AND WHERE TWO DUCTS JOIN WHETHER SHOWN OR NOT.

**4 DUCT CONSTRUCTION DETAILS**  
NO SCALE



**5 KITCHEN HOOD SECTION DETAIL**  
NO SCALE

CONSULTANT:



**PDC ENGINEERS**  
PLAN • DESIGN • CONSTRUCT  
9109 Mendenhall Mall Rd., Ste 4, Juneau, Alaska 99801  
907.780.8080 | AECC605

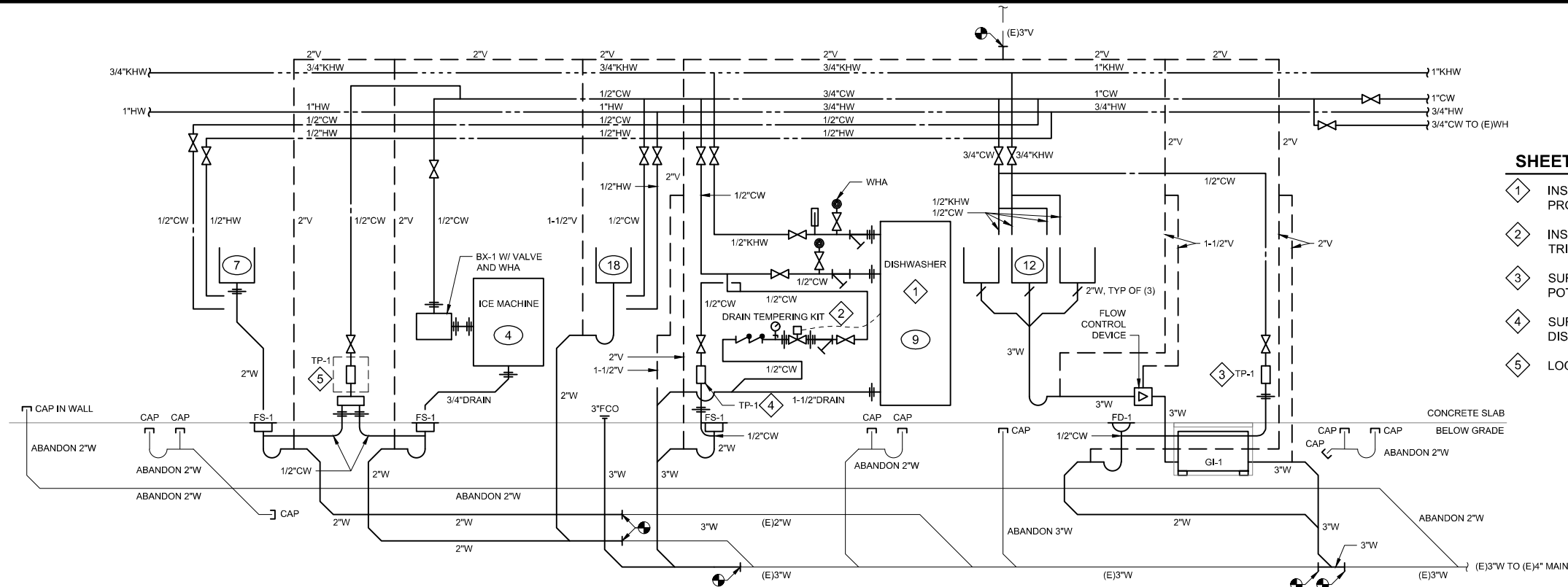
PROJECT: **MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
CBJ PROJECT NO.: BE20-224  
JUNEAU, ALASKA

SHEET TITLE: **DETAILS**  
CONSTRUCTION DOCUMENTS

DESIGN	SB, DMC	
DRAWN	CSB, DMC	
CHECKED	RS	
DATE	04/03/2020	
PROJECT No. 19318JM		
SHEET NUMBER		
<b>M-501</b>		
No.	Date	Item
REVISIONS		

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

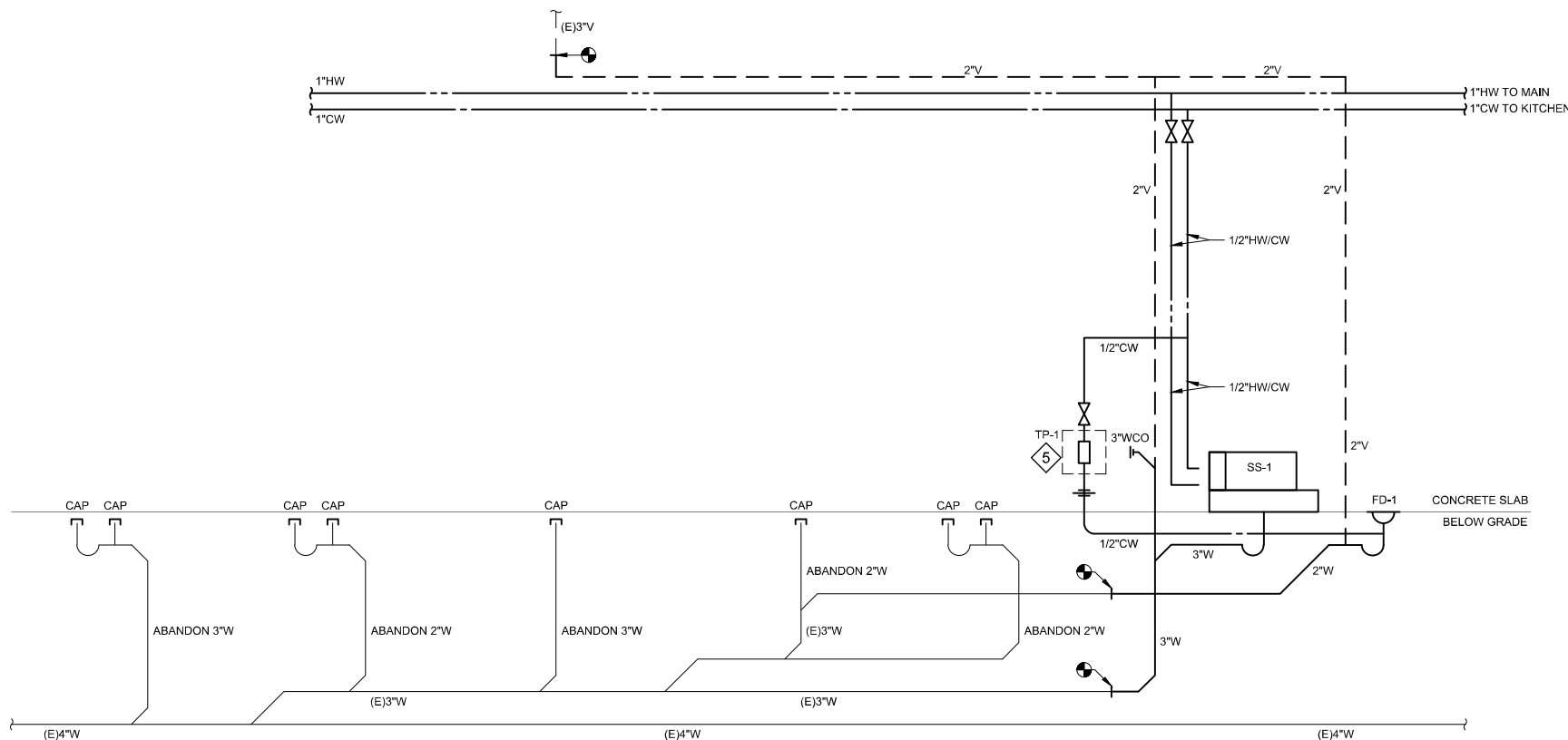
P:\2019\19318JM\MarieDrake\_Kitchen\19318JM\_M-601\_Apr 03, 2020, 3:25 PM



**SHEET KEYNOTES**

- 1. INSTALL SHOCK CHAMBER AND T&P DEVICE IF NOT PROVIDED INTEGRAL WITH DISHWASHER.
- 2. INSTALL DRAIN WATER TEMPERING KIT, BFP, AND RELATED TRIM.
- 3. SURFACE MOUNT TRAP PRIMER ON WALL UNDER TRIPLE POT SINK.
- 4. SURFACE MOUNT TRAP PRIMER ON WALL BEHIND DISHWASHER.
- 5. LOCATE TRAP PRIMER IN WALL BEHIND 16x16 ACCESS DOOR.

**1 KITCHEN PLUMBING DIAGRAM**

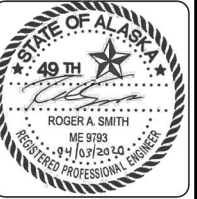


**2 432 JAN & 433 TOILET PLUMBING DIAGRAM**

**SHEET NOTES**

- 1. SEE KITCHEN PLANS (ARCH DRAWINGS) AND DIVISION 11.
- 2. ALL FIXTURE DESIGNATIONS, (X), RELATE TO KITCHEN EQUIPMENT/FIXTURES.
- 3. MECHANICAL CONTRACTOR TO ROUGH-IN AND CONNECT ALL HOT AND COLD WATER SUPPLY PIPING, WASTE, DRAINAGE, AND VENT AS REQUIRED FOR ALL PLUMBING FIXTURES AND OTHER FOOD SERVICE EQUIPMENT PROVIDED BY THE CONTRACTOR OR BY THE OWNER. MECHANICAL CONTRACTOR TO INSTALL ALL LOOSE EQUIPMENT SUCH AS FITTINGS, VALVES, AND FAUCETS PROVIDED WITH THE FOOD SERVICE EQUIPMENT. THE MECHANICAL CONTRACTOR IS TO PROVIDE ALL CONNECTING PIPING AND ALL TRAPS, TRIM, AND RELATED PLUMBING APPURTENANCES NOT SUPPLIED WITH THE FOOD SERVICE EQUIPMENT BUT REQUIRED TO COMPLETE THE EQUIPMENT INSTALLATION. INSTALL ISOLATING VALVE OR STOP ON EACH FIXTURE SUPPLY WHETHER SHOWN OR NOT.
- 4. COORDINATE AND FIELD VERIFY ALL ROUGH-IN DIMENSIONS, SIZES, EQUIPMENT LOCATIONS, AND CONNECTION REQUIREMENTS WITH THE ACTUAL EQUIPMENT SUPPLIED BY THE CONTRACTOR OR BY THE OWNER FOR A COMPLETE INSTALLATION. VERIFY ALL STRUCTURAL CONDITIONS.
- 5. 115°F HW IS SUPPLIED TO DISHWASHER. COORDINATE WITH KITCHEN EQUIPMENT.
- 6. FLOOR SINKS, FLOOR DRAINS, AND GREASE INTERCEPTORS PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.
- 7. ALL EXPOSED WASTE/DRAIN PIPING SHALL BE CHROME PLATED OR CHROME PAINTED COPPER DWV.

CONSULTANT :



**PDC ENGINEERS**  
**CONSTRUCT**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.8080 | AECC605

PROJECT :  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
**CBJ PROJECT NO.: BE20-224**  
**JUNEAU, ALASKA**

SHEET TITLE :  
**PLUMBING DIAGRAMS**  
**CONSTRUCTION DOCUMENTS**

DESIGN	SB, DMC
DRAWN	CSB, DMC
CHECKED	RS
DATE	04/03/2020

PROJECT No.  
**19318JM**  
 SHEET NUMBER

**M-601**

No.	Date	Item

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

V:\emendocor\Drawings\Projects\13 Marie Drake Kitchen Upgrades\Drawings\E101-Layout1\_Apr 02, 2020, 2:57 PM

- LIGHTING**
- RECESSED LUMINAIRE
  - SURFACE LUMINAIRE
  - EMERGENCY LIGHT

- SWITCHING**
- TOGGLE SWITCH
  - DIMMER SWITCH

- FIRE ALARM**
- MANUAL PULL STATION
  - SMOKE DETECTOR
  - HORN/STROBE
  - CONTROL RELAY

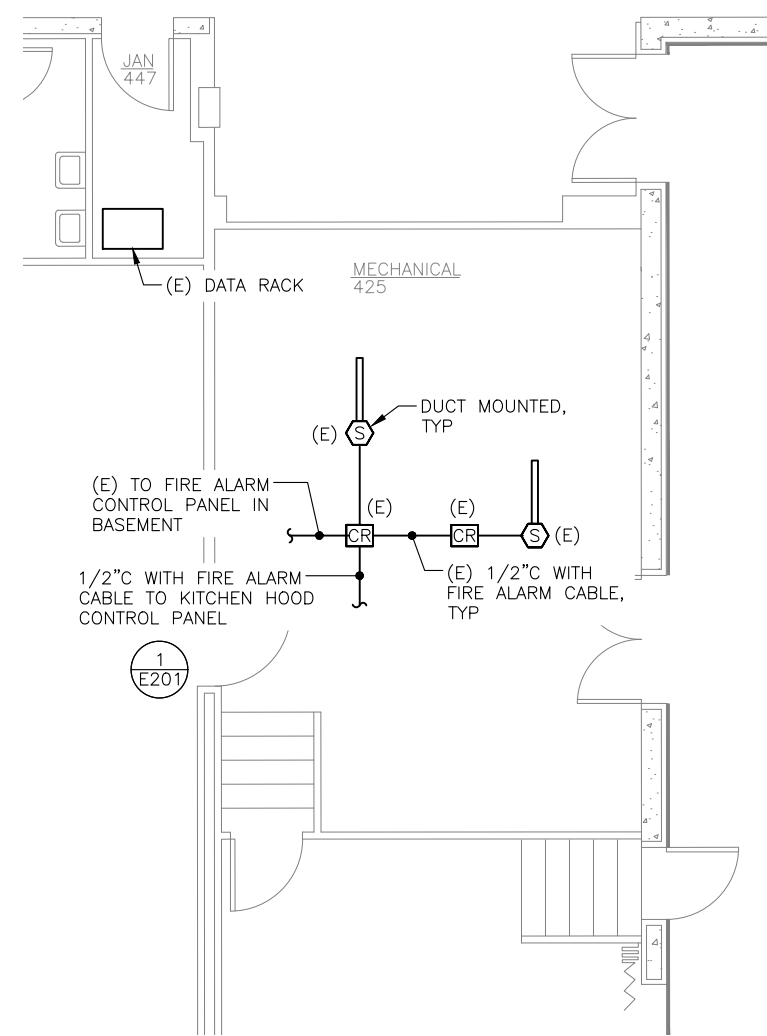
- WIRING**
- JUNCTION BOX
  - CONDUIT CONCEALED IN CEILING OR WALL
  - CONDUIT CONCEALED IN FLOOR OR UNDER SLAB
  - HOT CONDUCTOR
  - NEUTRAL CONDUCTOR
  - GROUND CONDUCTOR
  - HOMERUN TO INDICATED DESTINATION
  - FLEXIBLE CONDUIT CONNECTION
- NOTE: WIRING NOT SHOWN WHERE ONLY A HOT, NEUTRAL, AND GROUND ARE REQUIRED.

- POWER DEVICES**
- SPECIAL PURPOSE RECEPTACLE
  - SIMPLEX RECEPTACLE
  - DOUBLE DUPLEX RECEPTACLE
  - DUPLEX RECEPTACLE
  - ABOVE COUNTER RECEPTACLE

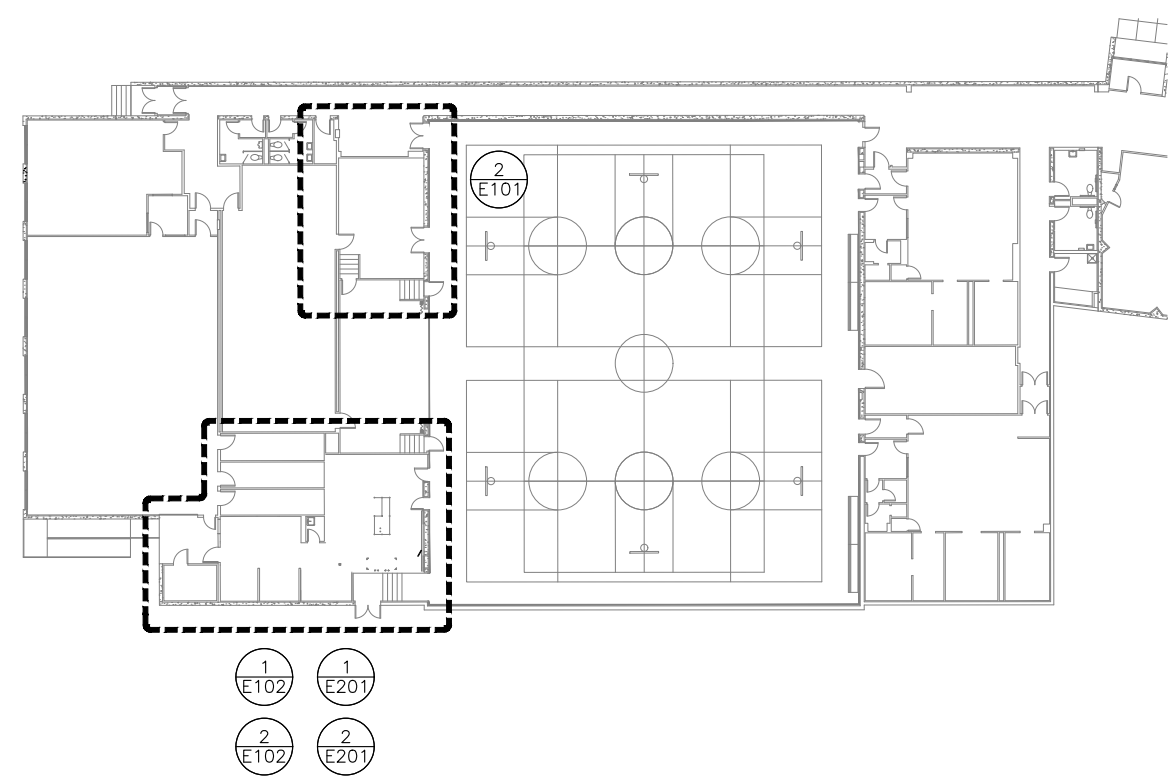
- DISTRIBUTION**
- BRANCH CIRCUIT PANELBOARD
  - MOTOR CONNECTION
  - DISCONNECT SWITCH
  - FUSED DISCONNECT SWITCH
  - COMBINATION STARTER
  - STARTER OR CONTACTOR

- ABBREVIATIONS**
- A AMPERES
  - AFF ABOVE FINISHED FLOOR
  - AWG AMERICAN WIRE GAUGE
  - C CONDUIT
  - GFCI GROUND FAULT CIRCUIT INTERRUPTER
  - G GROUND
  - HP HORSEPOWER
  - KW KILOWATTS
  - KVA KILOVOLT-AMPERES
  - MLO MAIN LUGS ONLY
  - N NEUTRAL (GROUNDED CONDUCTOR)
  - NEC NATIONAL ELECTRICAL CODE
  - NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
  - PH PHASE
  - TYP TYPICAL
  - UON UNLESS OTHERWISE NOTED
  - V VOLTS
  - VA VOLT-AMPERES
  - W WATT

- REFERENCE SYMBOLS**
- SHEET NOTE REFERENCE
  - DETAIL REFERENCE
  - (E) EXISTING
  - (N) NEW
  - (X) DEMOLISH
  - (RL) RELOCATE
  - (P) REPLACE
  - (X/S) REMOVE AND SALVAGE



**2 MECHANICAL 425 AND JANITOR 447 PLANS**  
SCALE: 0 2' 4' 8'



**1 PROJECT AREA KEYPLAN**  
SCALE: 0 10' 20' 40'

No.	Date	Item
REVISIONS		

CONSULTANT:  
  
 217 2nd ST, STE 208, JUNEAU, AK 99801  
 PH: (907) 586-5900 / FAX: (907) 586-5901

UNIVERSITY OF ALASKA  
 49th  
  
 APRIL 3, 2020

**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AECC605

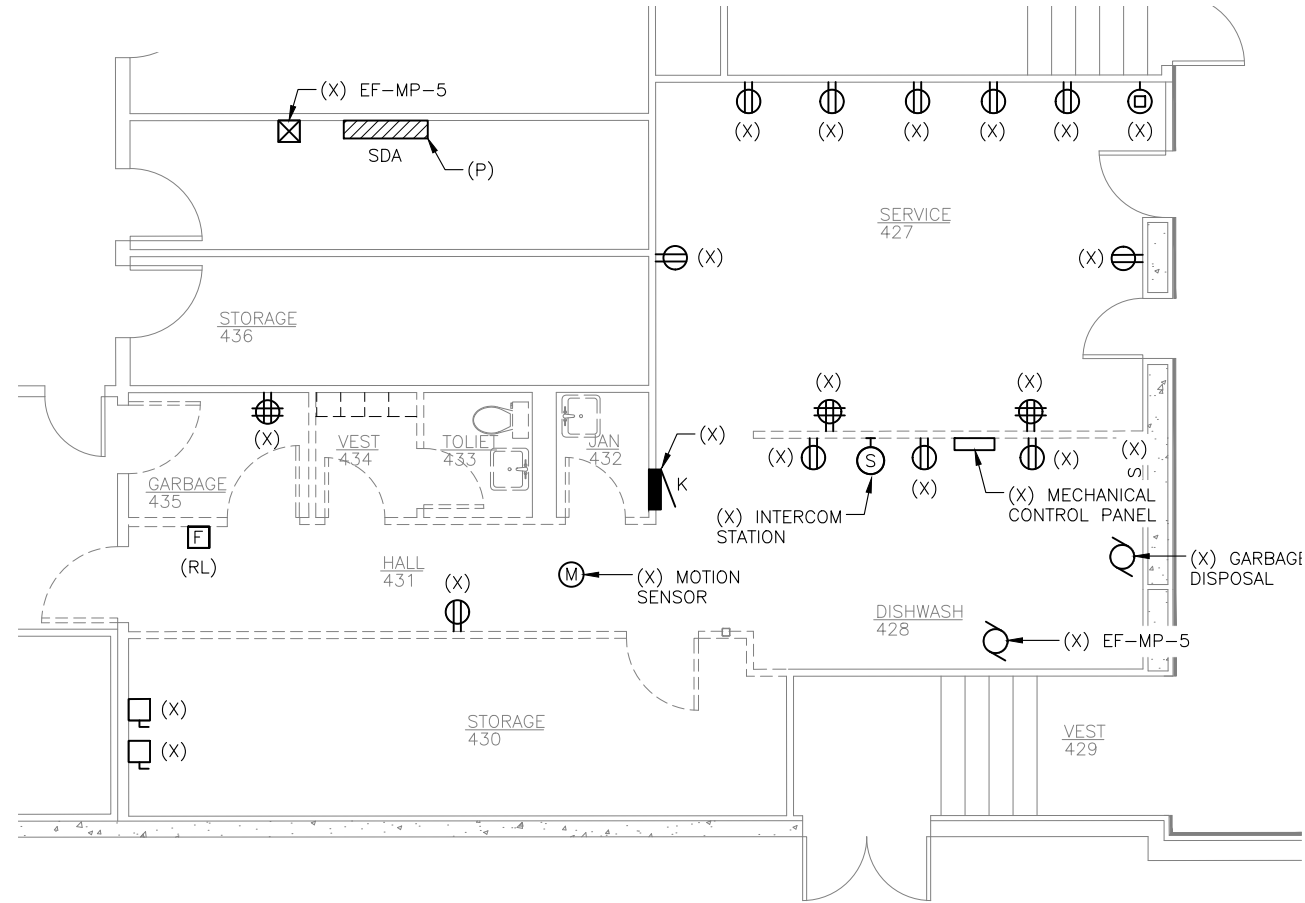
PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
 CBJ PROJECT NO. MR BE20-224  
 JUNEAU, ALASKA

SHEET TITLE:  
**LEGEND AND GENERAL FLOOR PLANS**  
 CONSTRUCTION DOCUMENTS

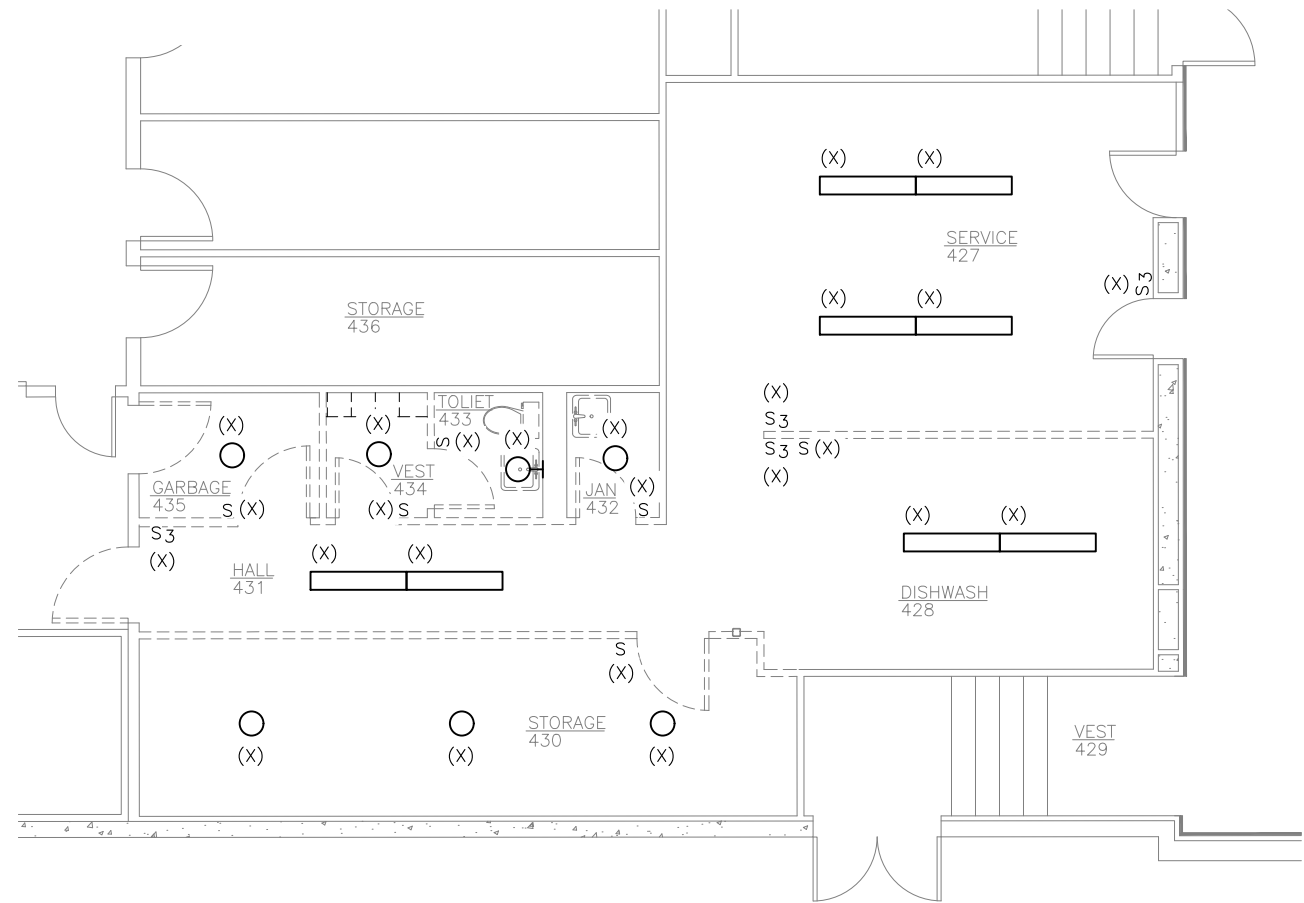
DESIGN	BJB
DRAWN	BJB
CHECKED	BJB
DATE	04/03/2020
PROJECT No. 19318JM	
SHEET NUMBER	
<b>E101</b>	

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

V:\Ermendostad\cable\Projects\09 PDC Engineers\13 Marie Drake Kitchen Upgrades\102-Layout\_1 Apr 02, 2020, 2:57 PM



**1 POWER AND SIGNAL DEMOLITION PLAN**  
SCALE: 0 2' 4' 8'



**2 LIGHTING DEMOLITION PLAN**  
SCALE: 0 2' 4' 8'

CONSULTANT:  
**EGENYI**  
ENGINEERING, LLC  
217 2nd ST, STE 208, JUNEAU, AK 99801  
PH: (907) 586-5900 / FAX: (907) 586-5901

UNIVERSITY OF ALASKA  
49th  
*Becky*  
B. G. B. G.  
045  
APRIL 3, 2020

**PDC**  
ENGINEERS  
PLAN • DESIGN • CONSTRUCT  
9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
907.780.6060 | AECC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN  
UPGRADES  
CBJ PROJECT NO. MR BE20-224**  
JUNEAU, ALASKA

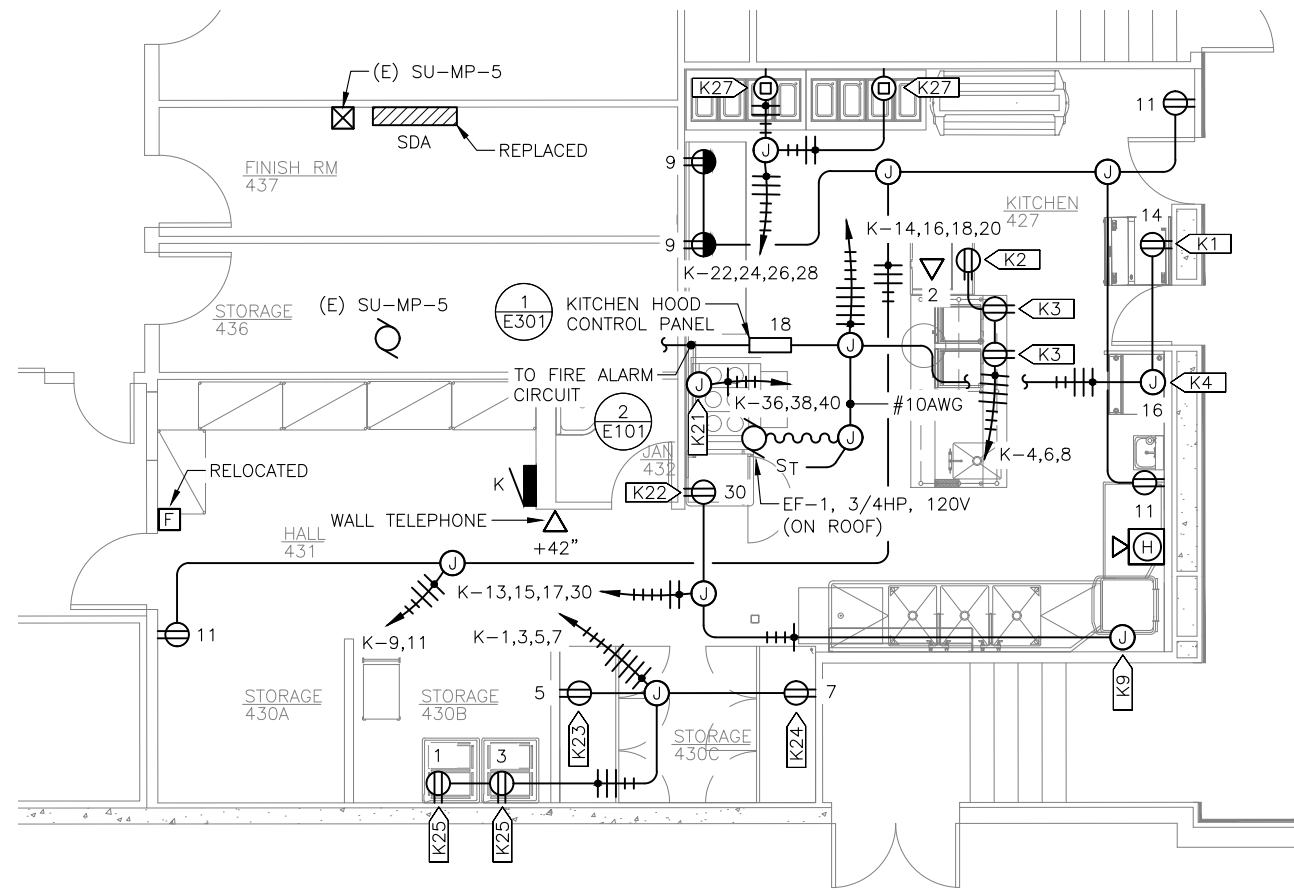
SHEET TITLE:  
**DEMOLITION PLANS**  
**CONSTRUCTION DOCUMENTS**

DESIGN	BBB
DRAWN	BBB
CHECKED	BBB
DATE	04/03/2020
PROJECT No. <b>19318JM</b>	
SHEET NUMBER <b>E102</b>	
OF 0 SHEETS	

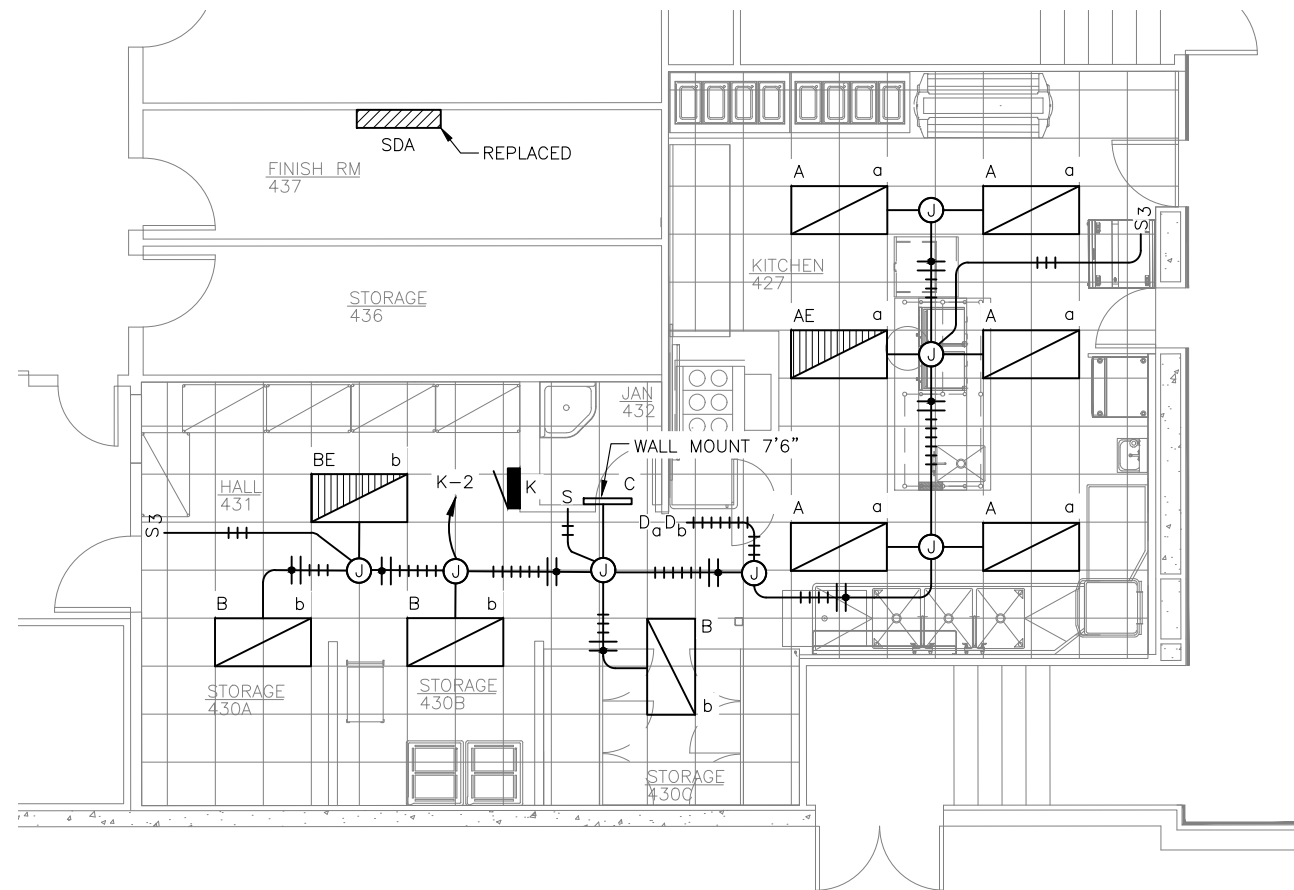
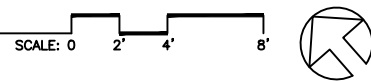
No.	Date	Item



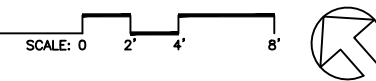
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



**1 POWER AND SIGNAL PLAN**



**2 LIGHTING PLAN**



**KITCHEN EQUIPMENT SCHEDULE (VERIFY)**

TAG	DESCRIPTION	HP	KW	AMPS	VOLTS	PHASE	TOTAL KVA	WIRING	NOTES
K1	MILK COOLER			6.8	120	1	0.8	2#12, 1#12G	
K2	CASHIERS CART			16.0	120	1	1.9	2#12, 1#12G	
K3	MICROWAVE (QTY 2)			13.4	120	1	1.6	2#12, 1#12G	
K4	ICE MACHINE			10.8	120	1	1.3	2#12, 1#12G	PROVIDE LOCKABLE CIRCUIT BREAKER
K9	DISHWASHER			45.4	208	3	16.4	3#4, 1#10G	PROVIDE LOCKABLE CIRCUIT BREAKER
K21	RANGE		21.6		208	3	21.6	3#3, 1#8G	PROVIDE LOCKABLE CIRCUIT BREAKER
K22	UPRIGHT HOT HOLDING UNIT			12.5	120	1	1.5	2#12, 1#12G	
K23	REFRIGERATOR			9.6	120	1	1.2	2#12, 1#12G	
K24	FREEZER			12.0	120	1	1.4	2#12, 1#12G	
K25	HOLD HOLDING UNIT (QTY 2)			9.1	120	1	1.1	2#12, 1#12G	
K27	HOT HOLDING UNIT (QTY 2)			26.0	120/208	1	5.4	4#6, 1#10G	NEMA 14-50R RECEPTACLE

**NOTES:**

- PROVIDE GFCI RECEPTACLES AS REQUIRED BY NEC 210.8 (B) (2). WHERE RECEPTACLES ARE NOT READILY ACCESSIBLE, PROVIDE GFCI CIRCUIT BREAKERS.
- TERMINATE DATA NETWORK CABLES AT EXISTING PATCH PANEL IN JANITOR CLOSET 447. REFER TO DETAIL 2, DRAWING E101 FOR EXISTING DATA RACK LOCATION.

**LUMINAIRE SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP		VOLTAGE	TOTAL VA	MOUNTING	NOTES
				QTY.	TYPE				
A	2X4 LENSED TROFFER	COLUMBIA LIGHTING	LLT24 35 HL G FS A12F ED U		LED	120	45	GRID RECESS	
AE	SAME AS TYPE A WITH EMERGENCY BATTERY	COLUMBIA LIGHTING	LTT24 35 HL G FS A12F ED U ELL14		LED	120	45	GRID RECESS	
B	2X4 LENSED TROFFER	COLUMBIA LIGHTING	LLT24 35 LW G FS A12F ED U		LED	120	35	GRID RECESS	
BE	SAME AS TYPE B WITH EMERGENCY BATTERY	COLUMBIA LIGHTING	LTT24 35 LW G FS A12F ED U ELL14		LED	120	35	GRID RECESS	
C	2-FOOT LENSED STRIP LIGHT	LITHONIA LIGHTING	ZL1D L24 SMR 2500LM FST MVOLT 35K 90CRI WH		LED	120	22	WALL	

No.	Date	Item

**EGENYI ENGINEERING, LLC**  
 CONSULTANT:  
 217 2nd ST, STE 208, JUNEAU, AK 99801  
 PH: (907) 586-5900 / FAX: (907) 586-5901

49th Anniversary  
 APRIL 3, 2020

**PDC ENGINEERS**  
 PLAN • DESIGN • CONSTRUCT  
 9109 Mendenhall Mall Rd, Ste 4, Juneau, Alaska 99801  
 907.780.6060 | AEC605

PROJECT:  
**MARIE DRAKE SCHOOL - KITCHEN UPGRADES**  
**CBJ PROJECT NO. MR BE20-224**  
 JUNEAU, ALASKA

SHEET TITLE:  
**POWER AND SIGNAL AND LIGHTING PLANS**  
 CONSTRUCTION DOCUMENTS

DESIGN: BAB  
 DRAWN: BAB  
 CHECKED: BAB  
 DATE: 04/03/2020

PROJECT No. 19318JM  
 SHEET NUMBER  
**E201**  
 OF 0 SHEETS

V:\emendoc\office\Projects\109\_PDC\_Engineers\13\_Marie\_Drake\_School\_Upgrade\Drawings\E201 - Layout\_1.dwg Apr 02, 2020, 2:57 PM

PANEL SDA											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	SUBFEED PANELBOARD H (1)	E		100/3	A	150/3	S	14.7		SUBFEED PANELBOARD K	2
3	----	E		---	B	---	S	14.7		----	4
5	----	E		---	C	---	S	14.7		----	6
7	SUBFEED PANELBOARD J (1)	E		40/3	A	200/3	E			SUBFEED PANELBOARD S (1)	8
9	----	E		---	B	---	E			----	10
11	----	E		---	C	---	E			----	12
13	SUBFEED PANELBOARD G (1)	E		225/3	A	200/3				SPARE	14
15	----	E		---	B	---				----	16
17	----	E		---	C	---				----	18
19	SPACE				A	100/3				SPARE	20
21	SPACE				B	---				----	22
23	SPACE				C	---				----	24

VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. EXISTING LOAD AND FEEDER.
AIC RATING: 10,000	(L) LIGHTING	.	100% OF LOAD	.	
MOUNTING: SURFACE	(R) RECEPTACLE	.	NEC 220-44	.	
MAIN: LUGS ONLY	(M) MOTOR	.	NEC 430-24	.	
BUS: 600A	(C) CONTINUOUS	.	125% OF LOAD	.	
	(S) SUBFEED	.	100% OF LOAD	44.0	
	(E) EXISTING	112.0	125% OF LOAD	140.0	
	TOTAL	.		184.0	

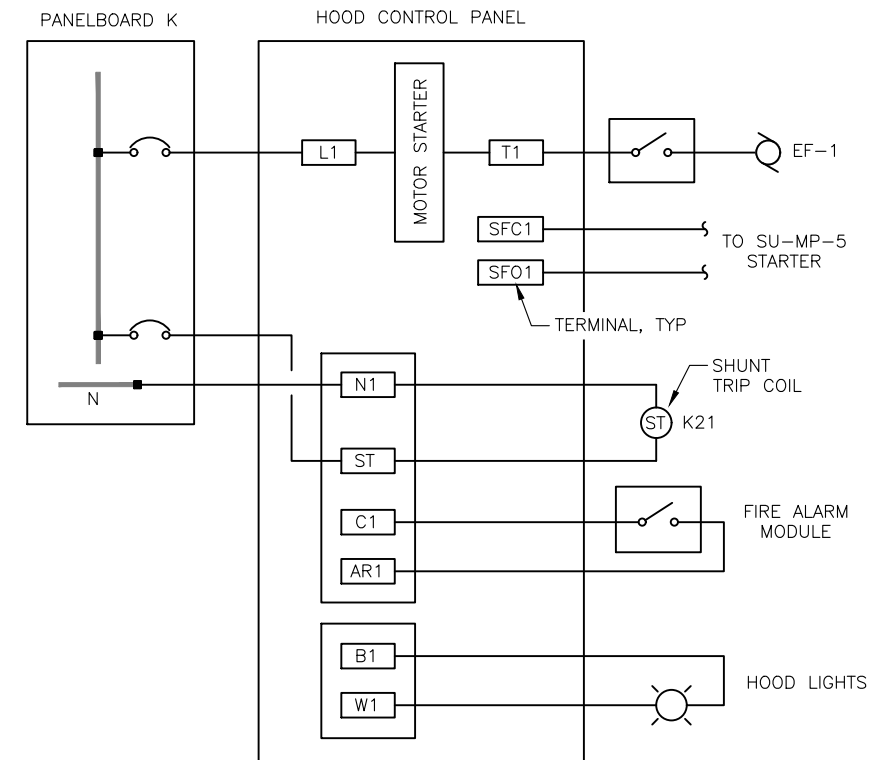
PANEL K											
POLE NO.	LOAD SERVED	LOAD		CB	PH	CB		LOAD		LOAD SERVED	POLE NO.
		TYPE	KVA					TYPE	KVA		
1	K25	K	1.1	15/1	A	20/1	L	0.4		LIGHTING	2
3	K25	K	1.1	15/1	B	20/1	K	1.9		K2	4
5	K23	K	1.2	15/1	C	20/1	K	1.6		K3	6
7	K24	K	1.4	20/1	A	20/1	K	1.6		K3	8
9	RECEPTACLES	R	0.4	20/1	B	20/1				SPARE	10
11	RECEPTACLES	R	0.7	20/1	C	20/1				SPARE	12
13	K9	K	5.5	60/3	A	15/1	K	0.8		K1	14
15	----	K	5.5	---	B	15/1	K	1.3		K4	16
17	----	K	5.5	---	C	20/1	C	0.5		HOOD CONTROL PANEL	18
19	SPARE			20/1	A	25/1	M	1.7		EF-1	20
21	SPARE			20/1	B	35/2	K	2.7		K27	22
23	SPARE			20/1	C	---	K	2.7		----	24
25	SPARE			20/1	A	35/2	K	2.7		K27	26
27	SPARE			20/1	B	---	K	2.7		----	28
29	SPARE			20/1	C	20/1	K	1.5		K22	30
31	SPARE			20/1	A	20/1				SPARE	32
33	SPARE			20/1	B	20/1				SPARE	34
35	SPARE			20/1	C	75/3	K	7.2		K21 (1)	36
37	SPARE			20/1	A	---	K	7.2		----	38
39	SPARE			20/1	B	---	K	7.2		----	40
41	SPARE			20/1	C					SPARE	42

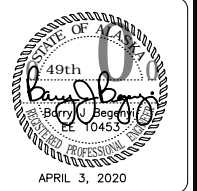
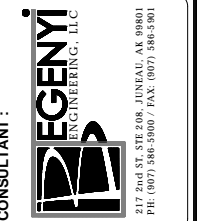
VOLTAGE: 120/208V, 3P, 4W	LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND KVA	NOTES: 1. PROVIDE SHUNT TRIP CIRCUIT BREAKER.
AIC RATING: 10,000	(L) LIGHTING	0.4	100% OF LOAD	0.4	
MOUNTING: SURFACE	(R) RECEPTACLE	1.1	NEC 220-44	1.1	
MAIN: LUGS ONLY	(M) MOTOR	1.7	NEC 430-24	2.1	
BUS: 150A	(C) CONTINUOUS	0.5	125% OF LOAD	.	
	(N) NON-CONTINUOUS	.	100% OF LOAD	.	
	(K) KITCHEN	62.4	NEC 220-56	40.6	
	TOTAL	.		44.0	

NOTES:

1. CAPTIVE AIRE CONTROL PANEL UTILIZED AS DESIGN BASIS FOR HOOD CONTROL DIAGRAM. ADJUST WIRING AND TERMINATIONS AS NECESSARY FOR ALTERNATE MANUFACTURERS.
2. PROVIDE 2" C, 4#1/0, 1#6G FROM SDA TO PANEL K.
3. EXISTING LOAD AT SDA BASED ON UTILITY RECORDED 12-MONTH MAXIMUM DEMAND FOR THE FACILITY.



1 KITCHEN HOOD CONTROL DIAGRAM



PROJECT:  
MARIE DRAKE SCHOOL - KITCHEN  
UPGRADES  
CBJ PROJECT NO. MR BE20-224  
JUNEAU, ALASKA

SHEET TITLE:  
SCHEDULES AND  
DETAILS  
CONSTRUCTION DOCUMENTS

DESIGN	BBB
DRAWN	BBB
CHECKED	BBB
DATE	04/03/2020
PROJECT No. 19318JM	
SHEET NUMBER E301	
OF 0 SHEETS	

No.	Date	Item
REVISIONS		