

100% CONSTRUCTION DOCUMENTS

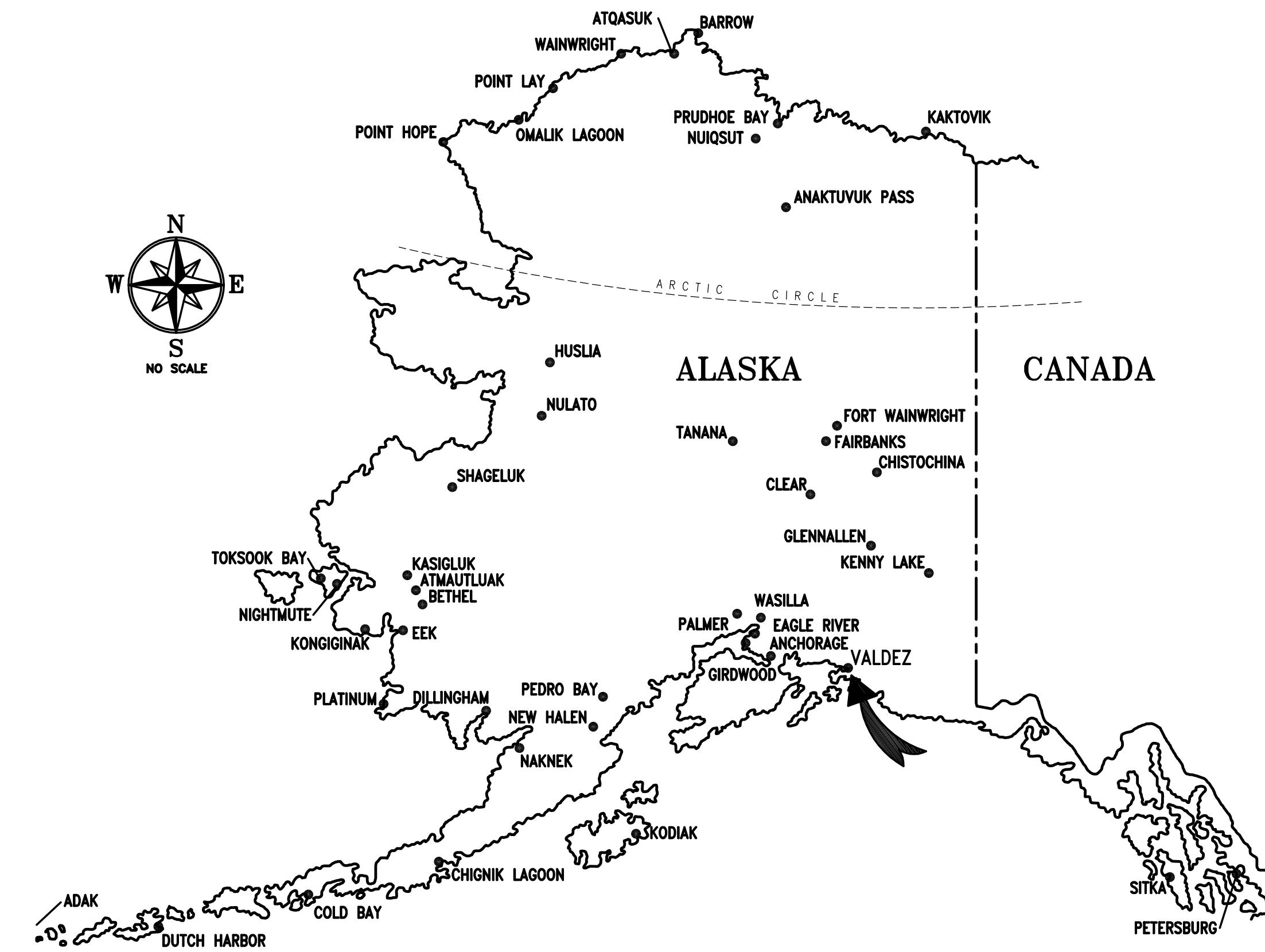
DOMESTIC WATER PIPING REPLACEMENT

FOR THE

# CITY OF VALDEZ VALDEZ HIGH SCHOOL

PREPARED BY:

**RSA**  
Engineering, Inc.  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
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Corporate No.: AECC542



## VALDEZ, ALASKA

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#### EXHIBIT DRAWINGS

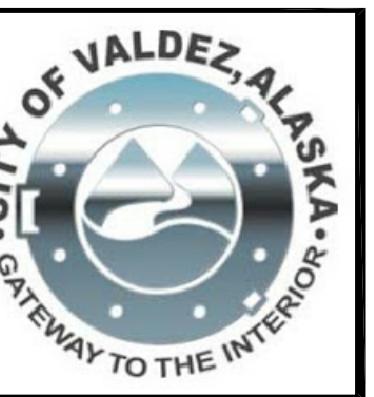
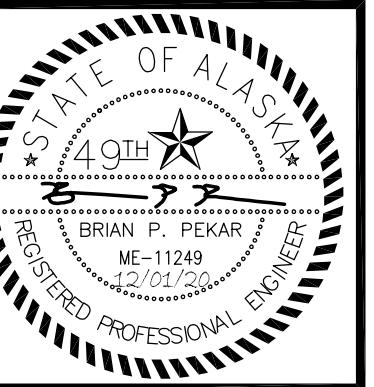
1976 VALDEZ SECONDARY SCHOOL PLUMBING PLANS

### SUMMARY OF WORK:

PROJECT INCLUDES REPLACEMENT OF THE DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RECIRCULATION PIPING IN THE BUILDING. PIPING WILL BE REPLACED TO THE EXISTING FIXTURES WHERE ACCESS TO PIPING IS AVAILABLE. WHERE ACCESS TO PIPING IS NOT POSSIBLE, PIPING WILL BE CONNECTED TO EXISTING BRANCH PIPING WITH ISOLATION VALVES OR ROUTED EXPOSED TO THE FIXTURE.

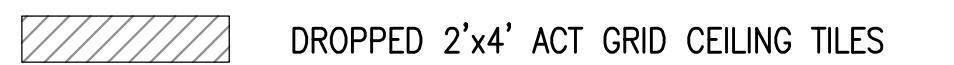
### EXHIBIT DRAWING NOTE:

THE EXHIBIT DRAWINGS ARE INTENDED AS REFERENCE FROM A PAST CONSTRUCTED PROJECT. THE PLANS ARE A COPY OF THE ORIGINAL DOCUMENTS, PROVIDED BY THE OWNER. ALL CRITICAL COMPONENTS OR DIMENSIONS THAT AFFECT ASSOCIATED WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF WORK.



## CEILING TYPE LEGEND:

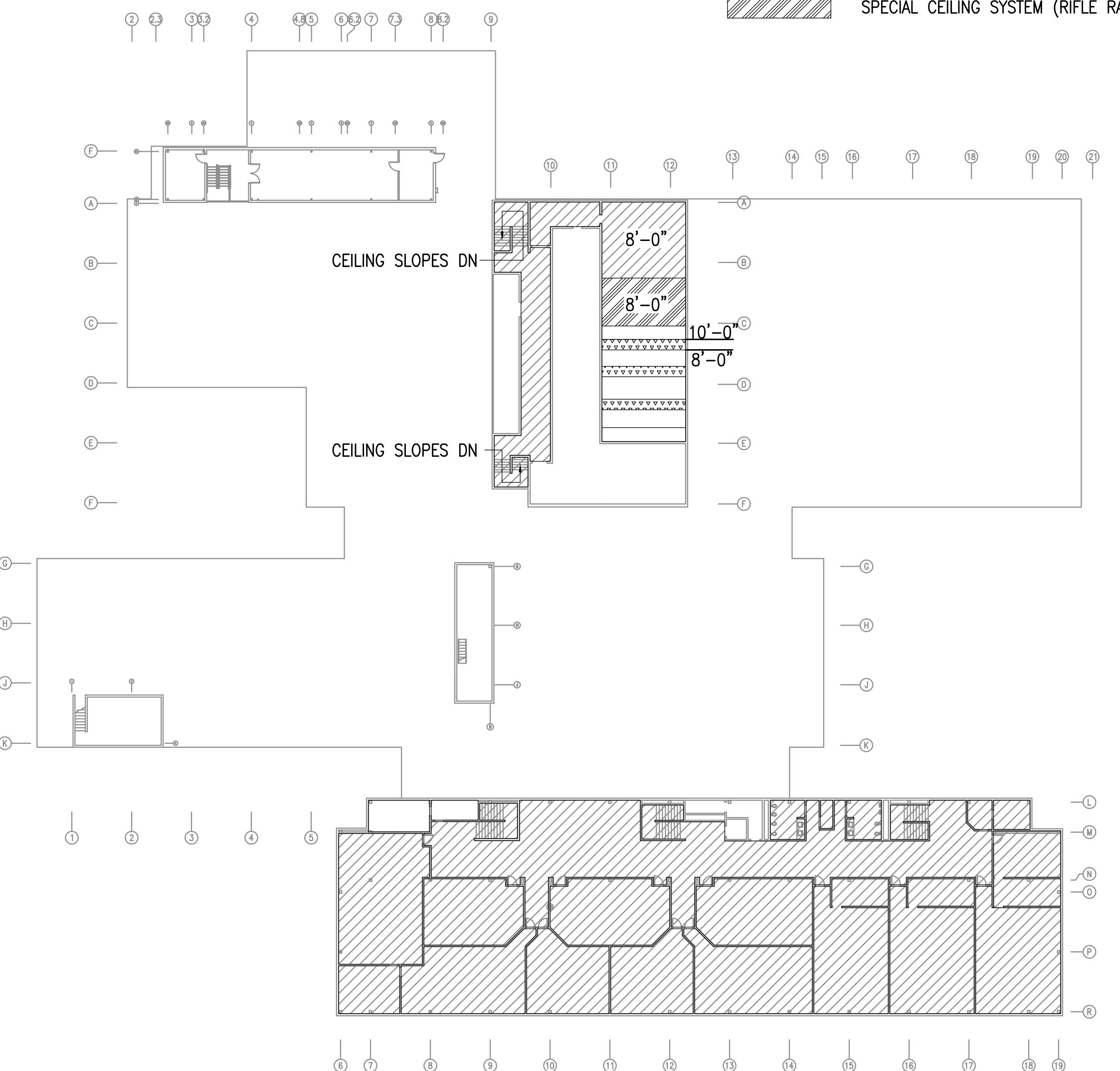
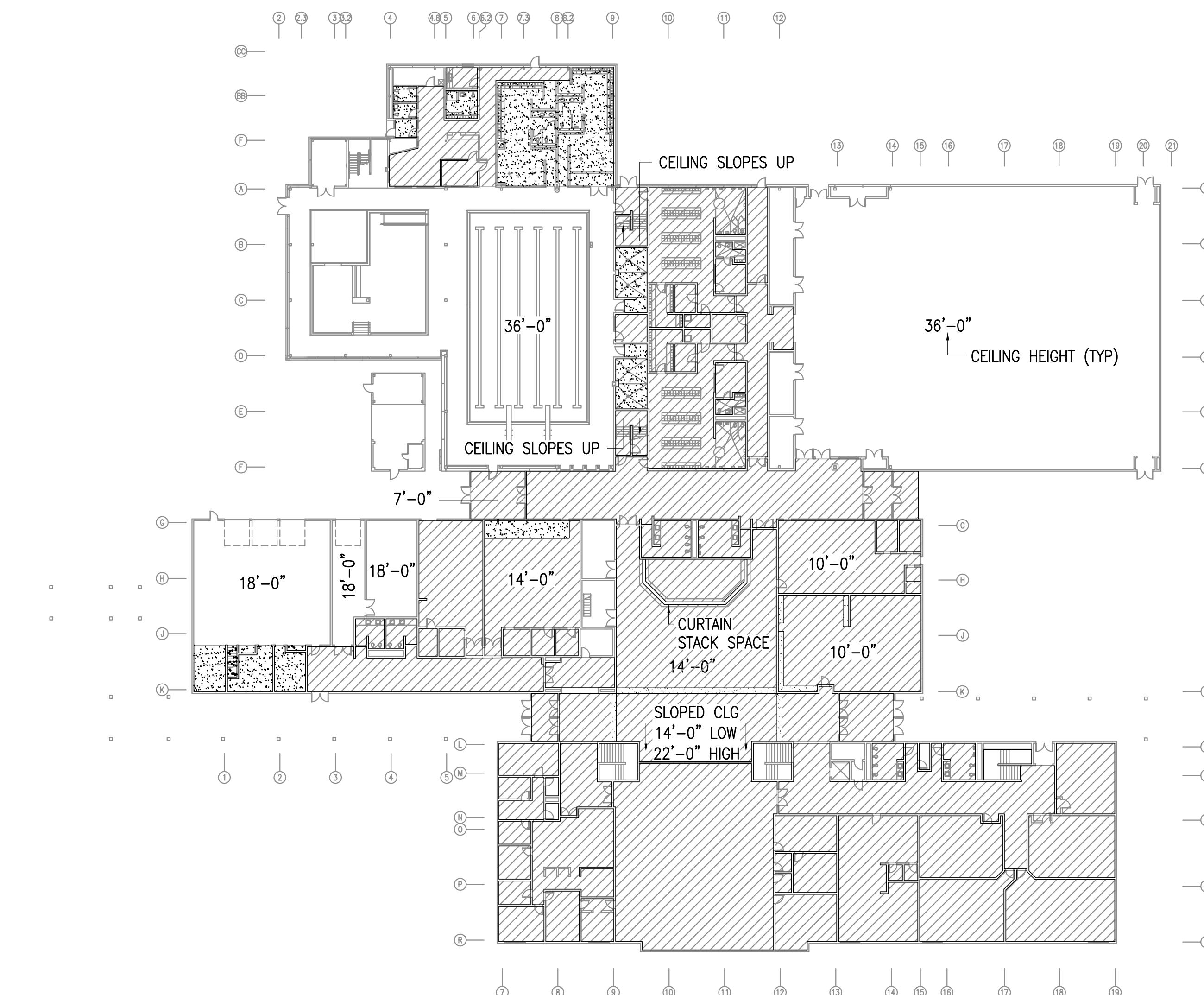
CEILING HEIGHT IS 9'-0" OR LOWER, UNLESS OTHERWISE NOTED



**GWB HARD CEILING**



## CEILING BAFFLES (RIFLE RANGE) ARROW



1 REFLECTED CEILING PLAN- LEVEL 1  
1/32"=1'-0" 

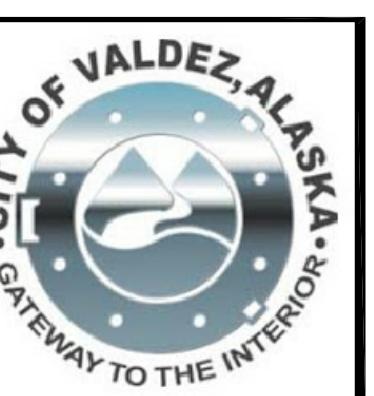
**REFLECTED CEILING PLAN- LEVEL 2**

## REVISI覩NS:

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DRAWING TITLE:  
REFLECTED CEILING  
PLAN

## SHEET:



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**DOMESTIC WATER PIPING REPLACEMENT**

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

DRAWN BY: CAA  
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DATE: 12/01/2020  
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DRAWING TITLE:  
LEGENDS,  
ABBREVIATIONS,  
AND SCHEDULE

SHEET:

M001

PIPING LEGEND		LOGIC	ABBREVIATIONS
-----	DENOTES DEMOLITION		
-----	WASTE		
-----	VENT PIPING		
-----	COLD WATER		
-----	HOT WATER		
-----	HOT WATER RECIRCULATED		
-----	SEE ABBREVIATIONS FOR MEDIA		
-----	PIPE UP		
-----	PIPE DOWN		
-----	TEE UP		
-----	TEE DOWN		
-----	CAP		
-----	UNION		
-----	DIRECTION OF FLOW		
-----	BALL/BUTTERFLY VALVE		
-----	GATE VALVE		
POINT OF CONNECTION			
DETAIL NUMBER			
SHEET LOCATED ON			
DIRECTION OF VIEW			
SECTION NUMBER			
SHEET LOCATED ON			
SHEET NOTES			
A	COMPRESSED AIR	HP	HORSEPOWER
AAV	AUTOMATIC AIR VENT	IN	INCHES
ABV	ABOVE	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MBH	THOUSAND BTUH
ADA	AMERICAN W/ DISABILITIES	MFGR	MANUFACTURER
	ACT GUIDELINES	MIN	MINIMUM
AD	ACCESS DOOR	MTD	MOUNTED
AHAP	AS HIGH AS POSSIBLE	NTS	NOT TO SCALE
AMPS	AMPERES	OC	ON CENTER
APD	AIR PRESSURE DROP	O/A	OUTSIDE AIR
ARW	ACID RESISTANT WASTE	OD	OUTSIDE DAMPER
BLDG	BUILDING	PD	PRESSURE DROP
BTUH	BRITISH THERMAL UNIT/HOUR	PH	PHASE
CAP	CAPACITY	PSI	POUND PER SQUARE INCH
DEG	DEGREE	PSIG	POUNDS PER SQUARE INCH GAUGE
DIM	DIMENSION	R/A	RETURN AIR
DN	DOWN	RPM	REVOLUTIONS PER MINUTE
DWG	DRAWING	S/A	SUPPLY AIR
E/A	EXHAUST AIR	SCFM	STANDARD CUBIC FEET PER MINUTE
EAT	ENTERING AIR TEMPERATURE	SP	STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE	SQ	SQUARE
ESP	EXTERNAL STATIC PRESSURE	TEMP	TEMPERATURE
ENT	ENTERING	TOD	TOP OF DUCT
(E)	EXISTING	TSP	TOTAL STATIC PRESSURE
FT	FEET	T'STAT	THERMOSTAT
FPM	FEET PER MINUTE	TTL	TOTAL
FC	FORWARD CURVE	TV-X	TEMPERING VALVE DESIGNATOR
F	FAHRENHEIT	TW	TEMPERED WATER
GA	GAUGE	TWC	TEMPERED WATER CIRCULATED
GPM	GALLONS PER MINUTE	UPC	TYPICAL
GWB	GYPSUM WALLBOARD	V	UNIFORM PLUMBING CODE
HW	HOT WATER	VTR	VENT
HWC	HOT WATER CIRCULATED	WC	VENT THRU ROOF
HWCP-X	HOT WATER CIRCULATION PUMP	WG	WATER COLUMN
HWG-X	HOT WATER GENERATOR DESIGNATOR		WATER GAUGE

**PLUMBING FIXTURE SCHEDULE**

SYMBOL	Fixture	Manufacturer	Model	CW	HW/TW	Waste	Vent	Trap	Color/Finish	Power	Volts/Ph	Trim/Remarks
P-8	DRINKING FOUNTAIN	ELKAY	VRCD	1/2	---	1-1/4	1-1/4	1-1/4	STAINLESS	---	---	VANDAL-RESISTANT, ADA, NON-FILTERED, NON-REFRIGERATED STAINLESS, WALL MOUNT, NSF 61 CERTIFIED.
P-9	DRINKING FOUNTAIN	ELKAY	VRCDWSK	1/2	1/2	1-1/4	1-1/4	1-1/4	STAINLESS	15 W	120/1	VANDAL RESISTANT BOTTLE FILLING STATION AND SINGLE COOLER, NON-FILTERED, NON-REFRIGERATED, FURNISHED WITH VANDAL RESISTANT BUBBLER. UL 399 AND NSF 61 CERTIFIED.
P-11	UTILITY SINK	AMERICAN STANDARD	7695.000	1/2	1/2	3	1-1/2	3	WHITE	---	---	WALL MOUNTED SERVICE SINK, ENAMELED CAST IRON, SUPPLIED WITH WALL HANGER AND RIM GUARD; PROVIDE WITH SPEAKMAN SEF-9000 EYESAVER SERVICE SINK FAUCET WITH ANSI Z358.1 EMERGENCY EYEWASH. PROVIDE SE-370 THERMOSTATIC MIXING VALVE FOR EYEWASH.

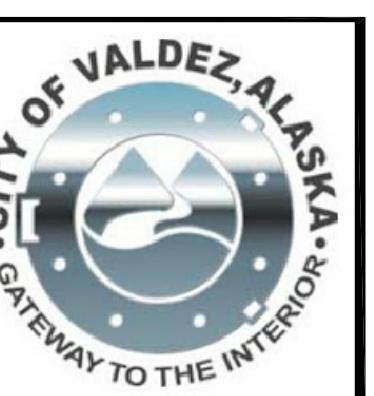
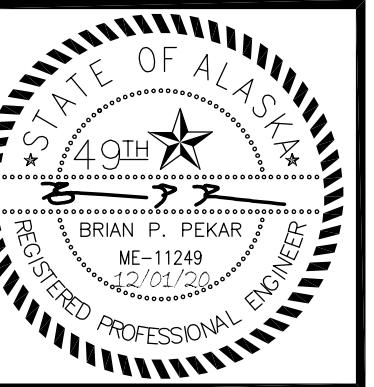
**PLUMBING FIXTURE SCHEDULE - EXISTING TO REMAIN**

SYMBOL	Fixture	Mounting	CW	HW/TW	Waste	Vent	Trap	Remarks
P-1	WATER CLOSET	WALL	1	--	4	2	--	---
P-1A	WATER CLOSET - ADA	WALL	1	--	4	2	--	---
P-2	URINAL	WALL	1	--	2	1-1/2	--	---
P-2A	URINAL	WALL	3/4	--	2	1-1/2	--	---
P-3	LAVATORY	COUNTER	1/2	1/2	1-1/2	1-1/4	1-1/2	---
P-4	LAVATORY-ADA	WALL	1/2	1/2	1-1/2	1-1/4	1-1/2	---
P-5	SHOWER	WALL	1/2	1/2	--	--	--	---
P-6	COLUMN SHOWER	FLOOR	--	1" TW	--	--	--	---
P-7	COLUMN SHOWER	FLOOR	--	1" TW	--	--	--	---
P-10	MOP SINK	FLOOR	1/2	1/2	3	2	3	EXISTING SINK TO REMAIN. PROVIDE WITH ZURN Z843M1 FAUCET WHERE INDICATED.
P-12	KITCHEN SINK	COUNTER	1/2	1/2	2	1-1/2	2	---
P-13	HAND WASH SINK	COUNTER	1/2	1/2	2	1-1/2	1-1/2	---
P-14	DRINKING FOUNTAIN	WALL	1/2	--	1-1/2	1-4	1-1/2	---
P-15	SINK	COUNTER	1/2	1/2	1-1/2	1-1/4	1-1/2	---
P-16	SINK	COUNTER	1/2	1/2	1-1/2	1-1/4	1-1/2	---
P-19	WASHER BOX	WALL	3/4	3/4	2	1-1/2	2	---
P-21	WHIRLPOOL	WALL	3/4	3/4	2	1-1/2	2	---
P-22	WORKROOM SINK		1/2	1/2	2	1-1/2	1-1/2	---
P-23	LAUNDRY SINK	COUNTER	1/2	1/2	2	1-1/2	1-1/2	---
P-24	LAB SINK STONEWARE	COUNTER	1/2	1/2	1-1/2	1-1/2	1-1/2	---
P-25	LAB SINK STAINLESS STEEL	COUNTER	1/2	1/2	2	1-1/2	1-1/2	---
HB-1	HOSE BIBB	WALL	3/4	--	--	--	--	EXISTING WALL BOX TO REMAIN. PROVIDE WITH ZURN NONFREEZE WALL HYDRANT Z1310 IN EXISTING WALL BOX.
HB-2	HOSE BIBB	WALL	1/2	1/2	--	--	--	---
HB-3	HOSE BIBB	WALL	1/2	--	--	--	--	---
TD-1	TRENCH DRAIN	FLOOR	--	--	2	1-1/2	2	---
SD-1	SWIMSUIT DRYER	WALL	--	--	1-1/4	--	--	---

DRAWING TITLE:  
LEGENDS,  
ABBREVIATIONS,  
AND SCHEDULE

SHEET:

M001



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**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:  
[Blank Box]

DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
MECHANICAL SCHEDULES  
[Blank Box]

SHET:  
M002

### TEMPERING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL	INLET (CW/HW)	OUTLET	TEMPERATURE RANGE F	SET POINT F	FLOW RATE	PRESS. DROP	POWER	ACCESSORIES/REMARKS
TV-1	WATTS	LFIS150VL	1-1/4"	1-1/2"	60-180°F	115°F	43 GPM	10 PSI	20 W; 120/60/1	DIGITAL WATER MIXING VALVE, ASSE 1017 AND NSF 61 LISTED. SERVES HIGH SCHOOL. LOCATED IN MAIN BOILER ROOM.
TV-2	WATTS	LFIS100VL	1"	1-1/4"	60-180°F	115°F	38 GPM	10 PSI	20 W; 120/60/1	DIGITAL WATER MIXING VALVE, ASSE 1017 AND NSF 61 LISTED. SERVES NATATORIUM AND NATATORIUM LOCKER ROOM. LOCATED IN POOL ADDITION MECHANICAL ROOM.
TV-3	WATTS	LFLM497	1"	1"	80-120°F	95°F	7 GPM	15 PSI	---	ASSE 1069, LEAD FREE, UNION CONNECTIONS.
TV-4	WATTS	LFLM497	1"	1"	80-120°F	95°F	7 GPM	15 PSI	---	ASSE 1069, LEAD FREE, UNION CONNECTIONS.

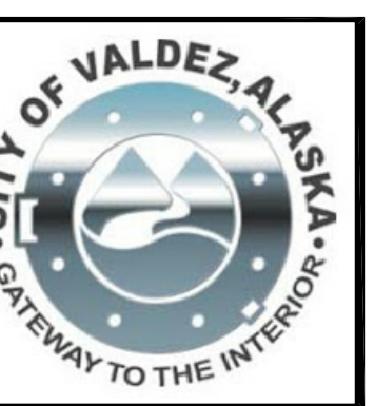
### EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL	FUNCTION	MEDIUM	MATERIAL	TANK VOLUME		DIMENSIONS	LABEL	REMARKS
						TOTAL (GAL)	ACCEPTANCE (GAL)			
ET-1	AMTROL	THERM-X-TROL ST-12	DOMESTIC WATER	WATER	STEEL/BUTYL	4.4	--	15"H X 11"DIA	IAPMO	PRECHARGE TO INCOMING CITY WATER PRESSURE.

### FOOD EQUIPMENT PLUMBING SCHEDULE - EXISTING TO REMAIN

SYMBOL	DESCRIPTION	CW	HW	REMARKS
⑤	HAND SINK	1/2	1/2	---
⑪	PREPARATION TABLE WITH 24"x24"x10" DEEP SINKS	1/2	1/2	---
⑯	COOKS WORK TABLE WITH 20"x20"x12" SINK	1/2	1/2	---
⑯	POT SINK & CLEAN DISH TABLE, WITH 27"x24"x14" SINKS	1/2	1/2	---
⑯	SINK AND DISPOSER	1/2	1/2	---
⑯	HOT WATER BOOSTER	---	3/4	---
⑯	DISHWASHER	1/2	1/2	---
⑯ ⑯	COOKS WORK TABLE WITH 20"x20"x12" SINK	1/2	1/2	---
⑯	SERVICE COUNTER	--	1/2	---
⑯	KETTLE FILLER	1/2	1/2	---

0  
1  
2  
3



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**R S A****DOMESTIC WATER PIPING REPLACEMENT**

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

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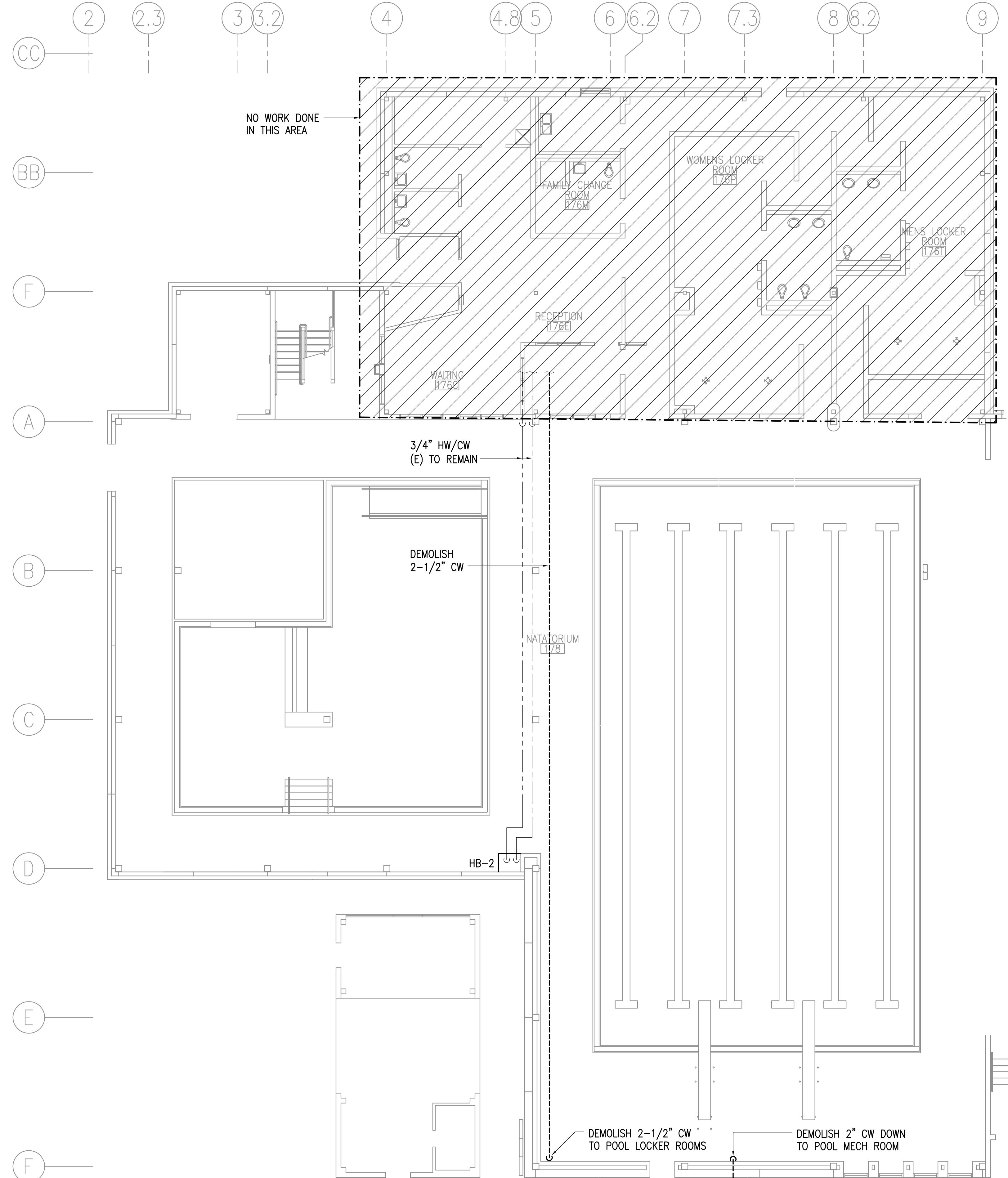
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CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
FIRST FLOOR PLUMBING  
DEMOLITION PLAN -  
AREA 'A'

SHET:  
**M101**

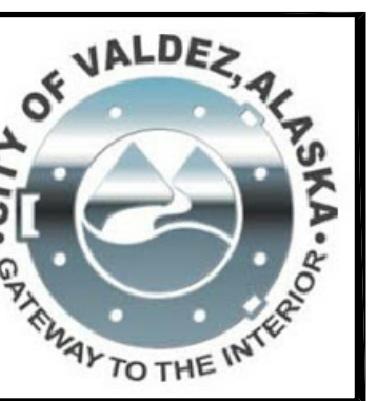
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- B. DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES UNLESS OTHERWISE NOTED.



**1** FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'A'  
1/8"=1'-0"

**KEYPLAN**  
NO SCALE



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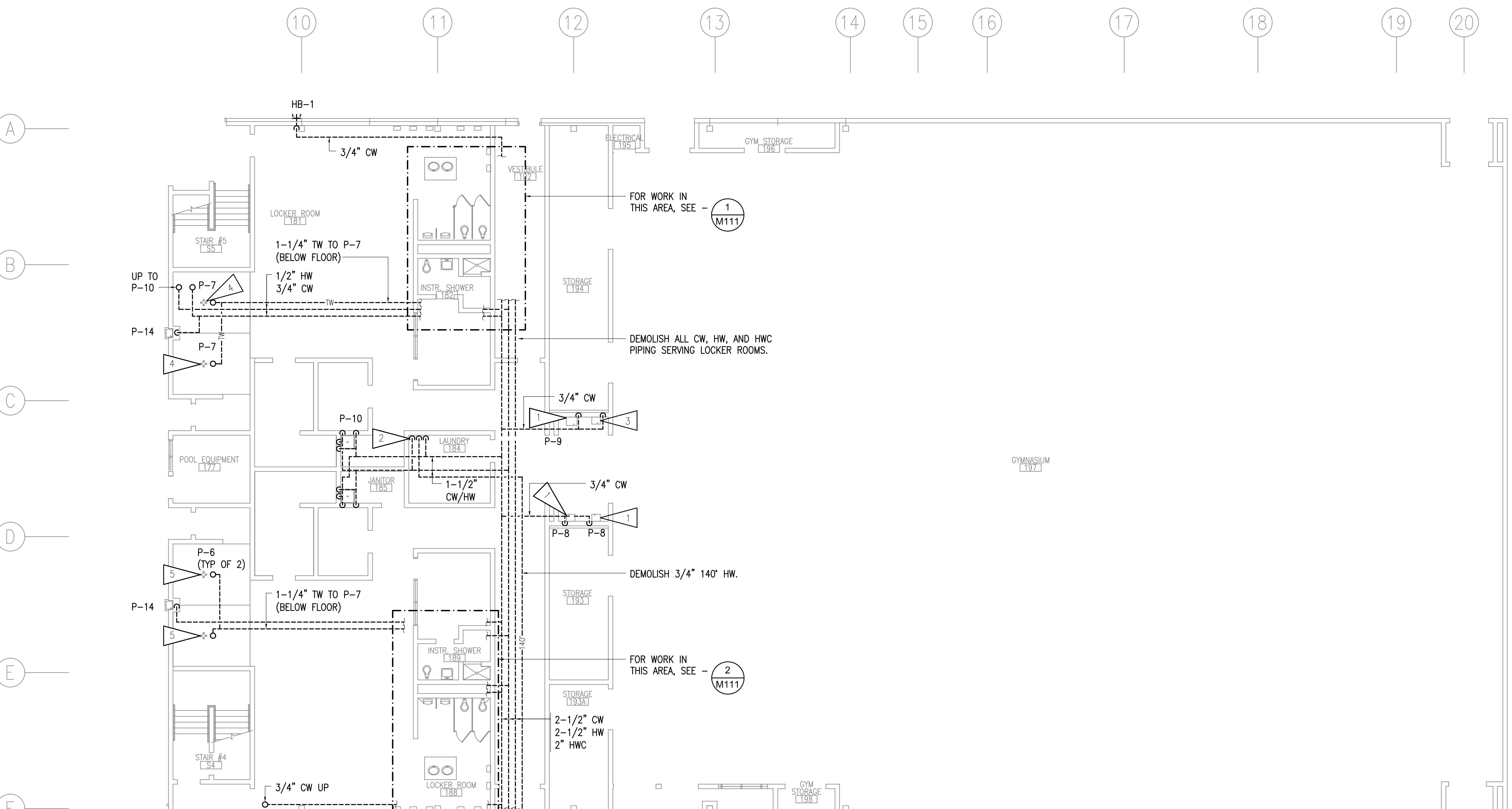
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DRAWING TITLE:  
FIRST FLOOR PLUMBING  
DEMOLITION PLAN  
AREA 'B'

NO SCALE  
SHEET:  
M102



## 1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'B'

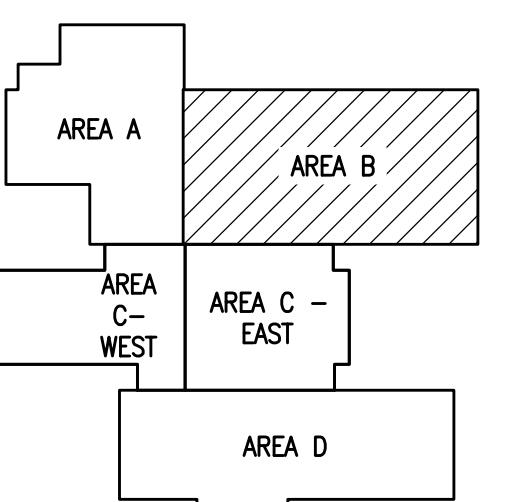
1/8"=1'-0"

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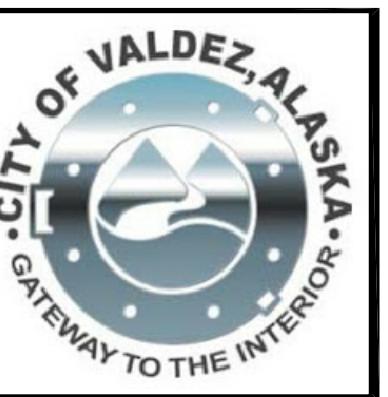
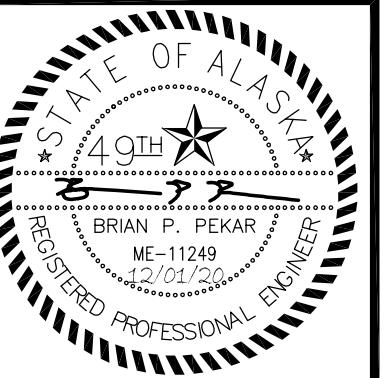
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- B. PIPING ABOVE CEILING - DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES IN AREAS WITH GRID CEILING TILES, UNLESS OTHERWISE NOTED. IN ROOMS WITH SHEETROCK DEMOLISH ACCESSIBLE PIPING THROUGH EXISTING LIGHT FIXTURES AND ACCESS PANELS. ABANDON INACCESSIBLE PIPING.
- C. PIPING IN WALLS - UNLESS NOTED OTHERWISE, ABANDON PIPING IN PLACE, CUT WALL TO EXTENT NECESSARY TO REMOVE PIPING AND APPURTENANCES WHICH PENETRATE WALL SURFACE, REMOVE PIPING FROM WALL WHERE ACCESSIBLE AND AS NEEDED TO ALLOW FOR ROUTING OF NEW PIPING.
- D. ABANDONED PIPING SHALL BE COMPLETELY DRAINED AND CLEARLY MARKED "ABANDONED".
- E. ALL PLUMBING FIXTURES TO REMAIN UNLESS OTHERWISE INDICATED. DEMOLISH ANGLE STOPS ON PLUMBING FIXTURES WHERE PIPING IS DEMOLISHED UP TO FIXTURE.

### SHEET NOTES:

- 1 DEMOLISH DRINKING FOUNTAIN AND ASSOCIATED CW PIPING. WASTE AND VENT PIPING TO REMAIN.
- 2 DEMOLISH 1-1/4" HW AND CW PIPES SERVING WASHER.
- 3 ELYK DRINKING FOUNTAIN WITH BOTTLE FILLER TO REMAIN. DEMOLISH ASSOCIATED COLD WATER PIPING. WASTE AND VENT PIPE TO REMAIN.
- 4 DEMOLISH 1" TW SERVING P-7. ABANDON IN PLACE THE TW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL. DEMOLISH PIPING ABOVE CEILING TO TEMPERING VALVE.



KEYPLAN  
NO SCALE



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REVISIONS:

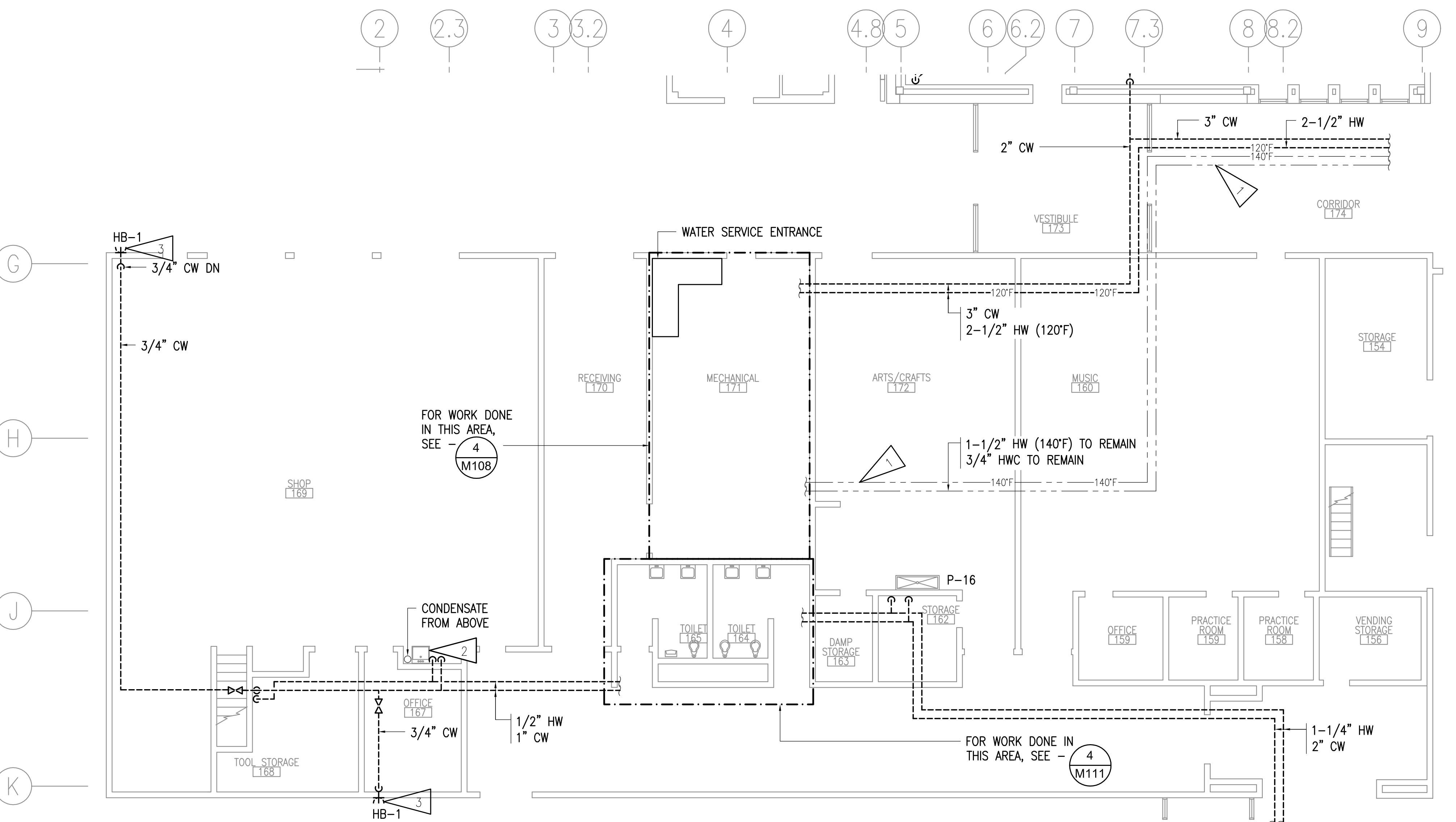
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FIRST FLOOR PLUMBING  
DEMOLITION PLAN -  
AREA 'C' - WEST

KEYPLAN  
NO SCALE

KEYPLAN  
NO SCALE

M103



1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'C' - WEST

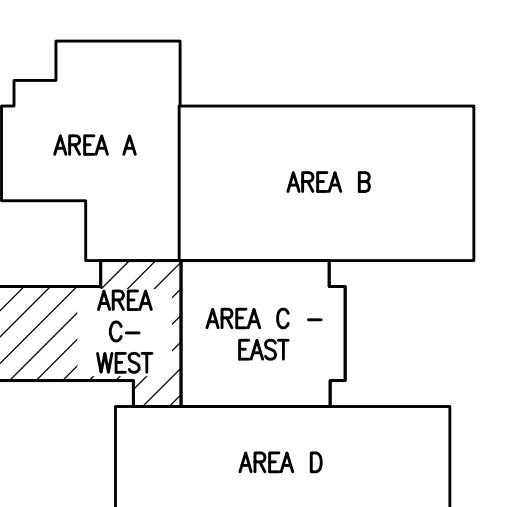
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- C. PIPING IN WALLS - UNLESS NOTED OTHERWISE, ABANDON PIPING IN PLACE, CUT WALL TO EXTENT NECESSARY TO REMOVE PIPING AND APPURTENANCES WHICH PENETRATE WALL SURFACE, REMOVE PIPING FROM WALL WHERE ACCESSIBLE AND AS NEEDED TO ALLOW FOR ROUTING OF NEW PIPING.
- D. ABANDONED PIPING SHALL BE COMPLETELY DRAINED AND CLEARLY MARKED "ABANDONED".
- E. ALL PLUMBING FIXTURES TO REMAIN UNLESS OTHERWISE INDICATED. DEMOLISH ANGLE STOPS ON PLUMBING FIXTURES WHERE PIPING IS DEMOLISHED UP TO FIXTURE.

### SHEET NOTES:

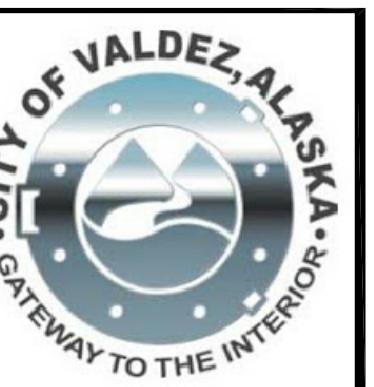
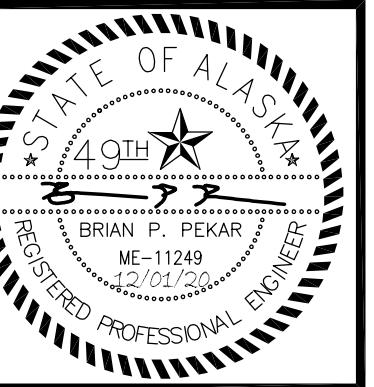
- 1 140°F HW AND HWC TO REMAIN.
- 2 DEMOLISH SINK, EYEWASH, AND ALL ASSOCIATED APPURTENANCES.
- 3 HOSE BIBB WALL BOX TO REMAIN. DEMOLISH ASSOCIATED CW AND WALL HYDRANT.



KEYPLAN  
NO SCALE

KEYPLAN  
NO SCALE

M103



**RSA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542

**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

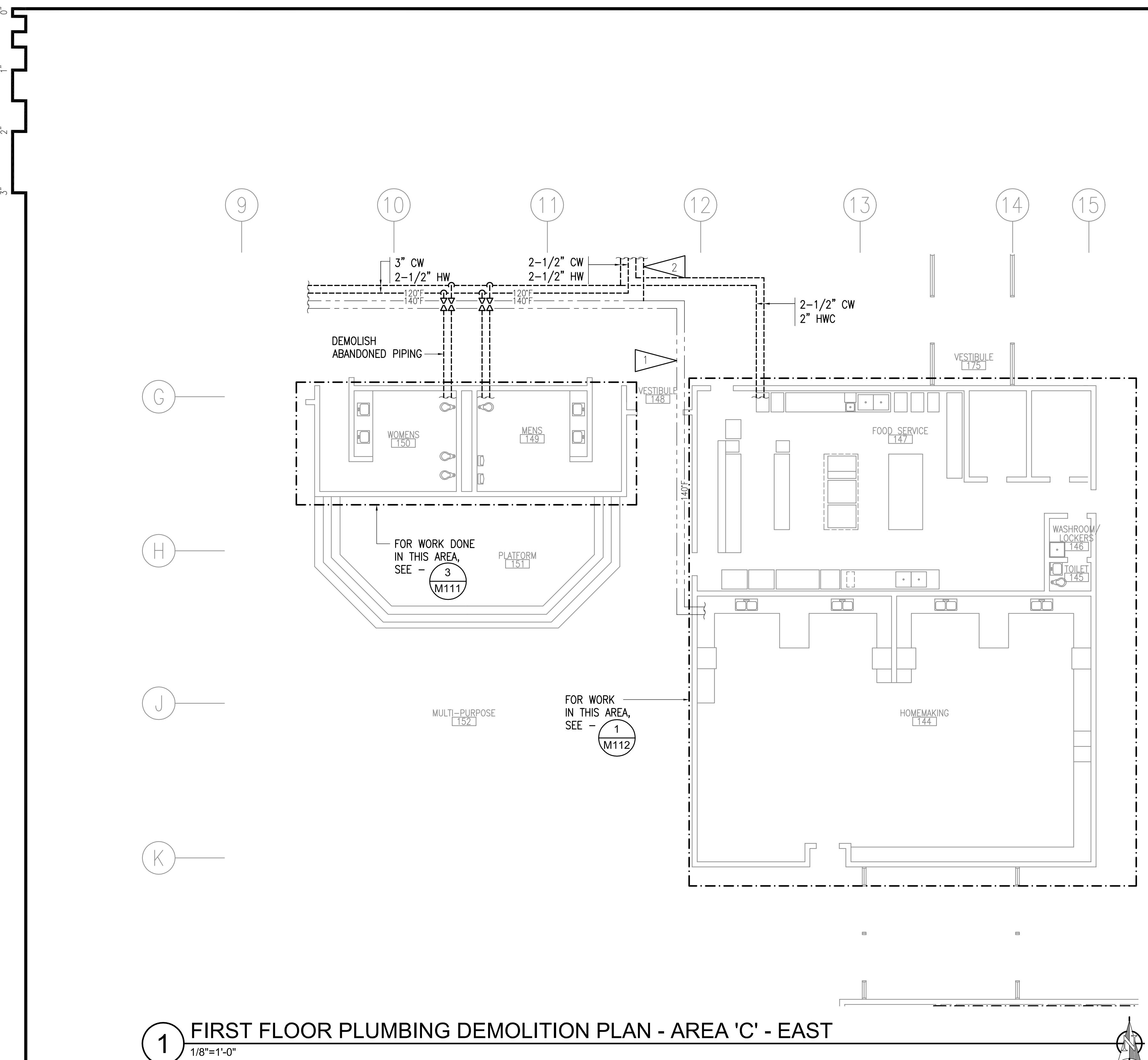
REVISIONS:

DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
FIRST FLOOR PLUMBING  
DEMOLITION PLAN -  
AREA 'C' - EAST

KEYPLAN  
NO SCALE

Sheet:  
M104



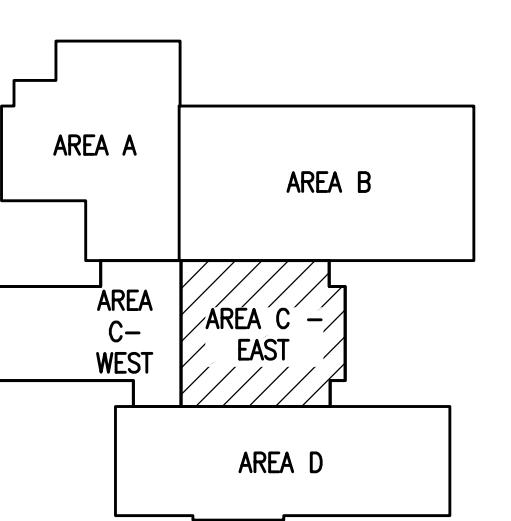
1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'C' - EAST  
1/8"=1'-0"

### GENERAL NOTES:

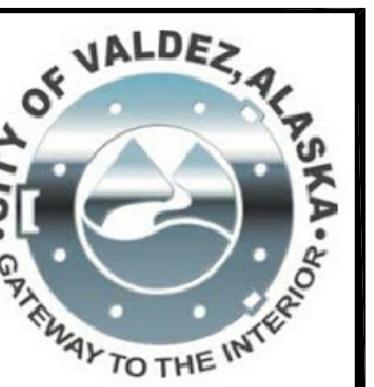
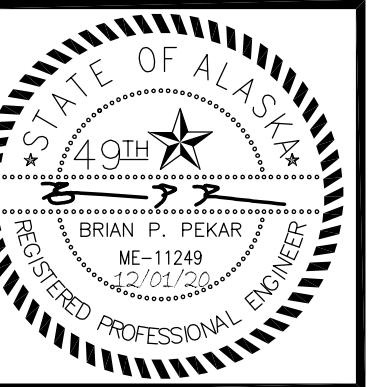
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- B. PIPING ABOVE CEILING - DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES IN AREAS WITH GRID CEILING TILES, UNLESS OTHERWISE NOTED. IN ROOMS WITH SHEETROCK DEMOLISH ACCESSIBLE PIPING THROUGH EXISTING LIGHT FIXTURES AND ACCESS PANELS. ABANDON INACCESSIBLE PIPING.
- C. PIPING IN WALLS - UNLESS NOTED OTHERWISE, ABANDON PIPING IN PLACE, CUT WALL TO EXTENT NECESSARY TO REMOVE PIPING AND APPURTENANCES WHICH PENETRATE WALL SURFACE, REMOVE PIPING FROM WALL WHERE ACCESSIBLE AND AS NEEDED TO ALLOW FOR ROUTING OF NEW PIPING.
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### SHEET NOTES:

- 1 140°F HW AND HWC TO REMAIN.
- 2 DEMOLISH 3/4" 140°F HW TO LAUNDRY.

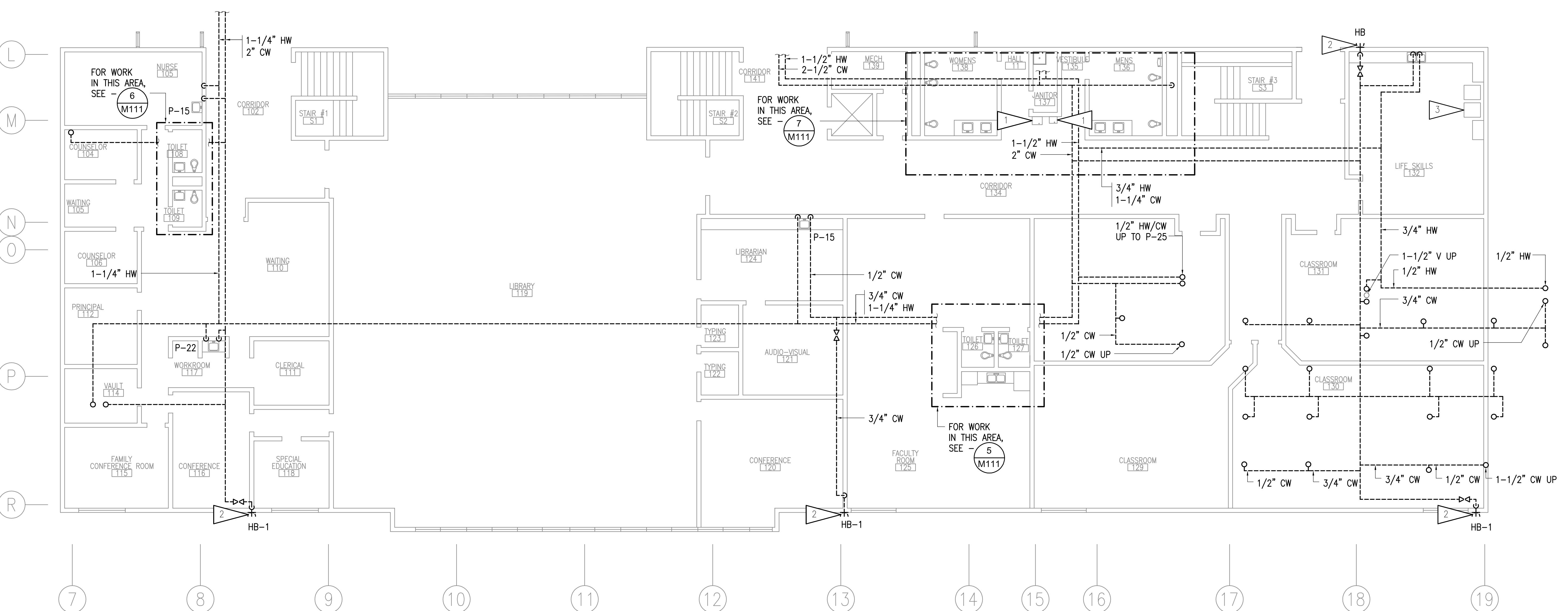


KEYPLAN  
NO SCALE



**RS A**  
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MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
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Corporate No.: AEC-542

**DOMESTIC WATER PIPING REPLACEMENT**  
**VALDEZ HIGH SCHOOL**  
**319 ROBE RIVER DRIVE**  
**VALDEZ, ALASKA**



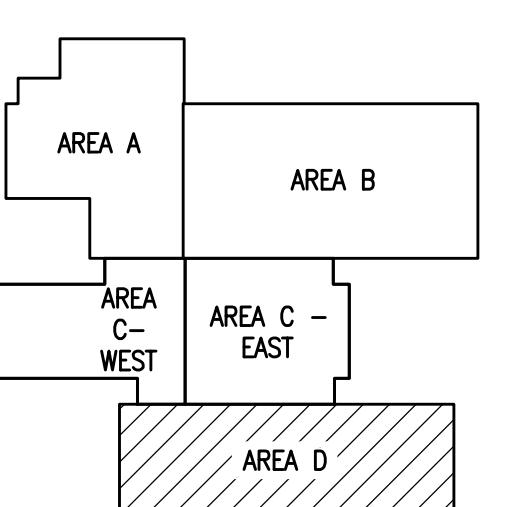
**1** FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'D'

**GENERAL NOTES:**

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- B. PIPING ABOVE CEILING - DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES IN AREAS WITH GRID CEILING TILES, UNLESS OTHERWISE NOTED. IN ROOMS WITH SHEETROCK DEMOLISH ACCESSIBLE PIPING THROUGH EXISTING LIGHT FIXTURES AND ACCESS PANELS. ABANDON INACCESSIBLE PIPING.
- C. PIPING IN WALLS - UNLESS NOTED OTHERWISE, ABANDON PIPING IN PLACE, CUT WALL TO EXTENT NECESSARY TO REMOVE PIPING AND APPURTENANCES WHICH PENETRATE WALL SURFACE, REMOVE PIPING FROM WALL WHERE ACCESSIBLE AND AS NEEDED TO ALLOW FOR ROUTING OF NEW PIPING.
- D. ABANDONED PIPING SHALL BE COMPLETELY DRAINED AND CLEARLY MARKED "ABANDONED".

**SHEET NOTES:**

- 1 DEMOLISH DRINKING FOUNTAIN AND CW PIPING. WASTE AND VENT PIPING TO REMAIN.
- 2 HOSE BIBB WALL BOX TO REMAIN. DEMOLISH ASSOCIATED CW AND WALL HYDRANT.
- 3 DEMOLISH WASTE AND WATER PIPING TO LAUNDRY. LAUNDRY EQUIPMENT TO BE DEMOLISHED BY OWNER.

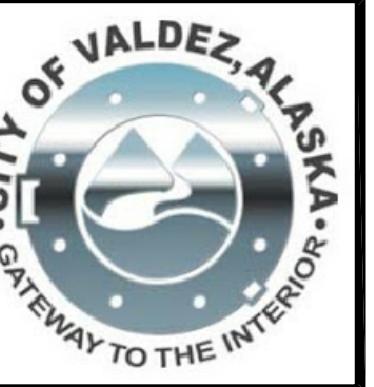
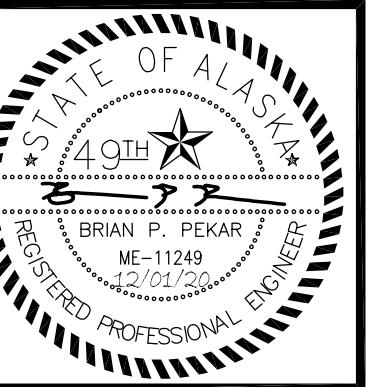


**KEYPLAN**  
NO SCALE

DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE: FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA 'D'

SHEET: M105



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MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS

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Anchorage, AK 99503  
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Corporate No.: AECC542

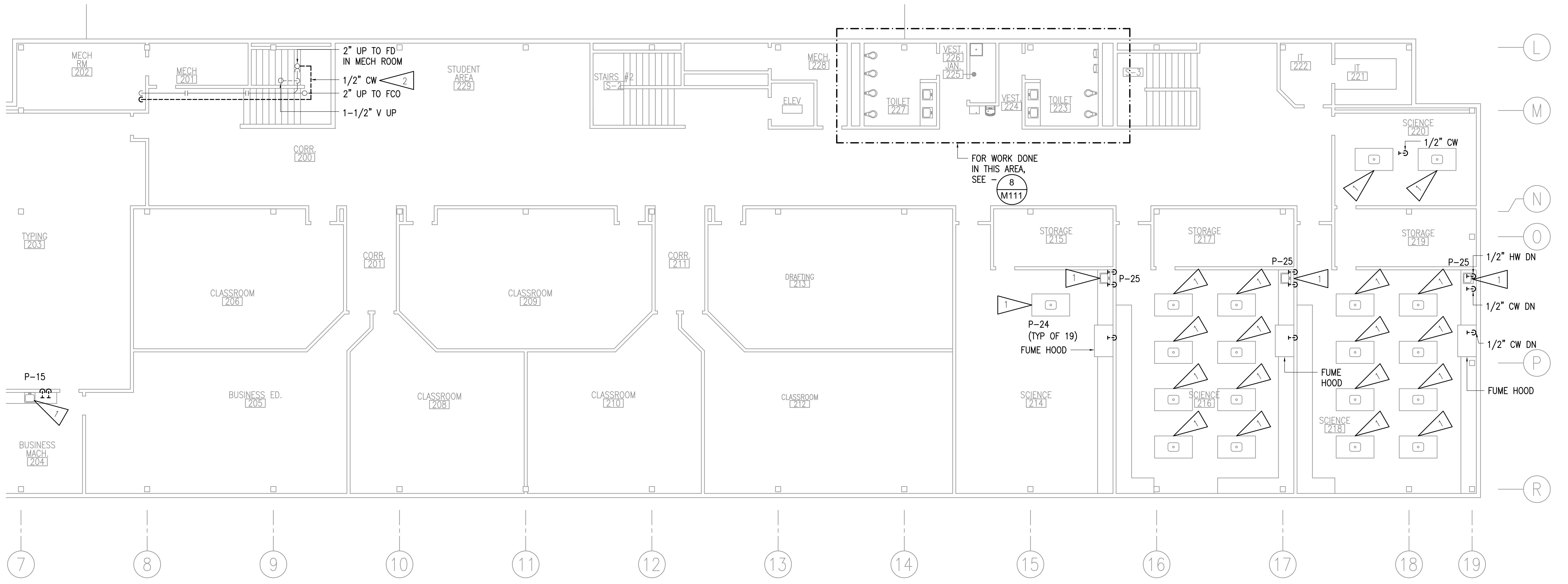
DOMESTIC VIOLENCE  
INSTITUTE  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

SIONS:

WN BY: CAA  
CKED BY: AWW  
: 12/01/2020  
NUMBER: L9163  
FILE: L9163 MSERIES

WING TITLE:  
COND FLOOR PLUMBING  
MOLITION PLAN -  
A 'D'

ET:  
1106



# 1 SECOND FLOOR PLUMBING DEMOLITION PLAN - AREA 'D'

1/8"=1'-0"

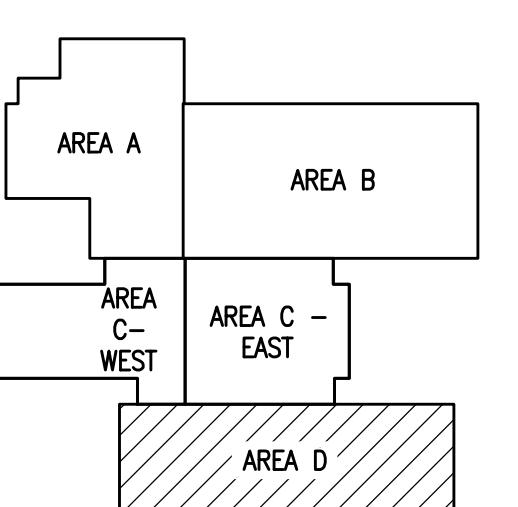
## GENERAL NOTES:

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## SHEET NOTES:

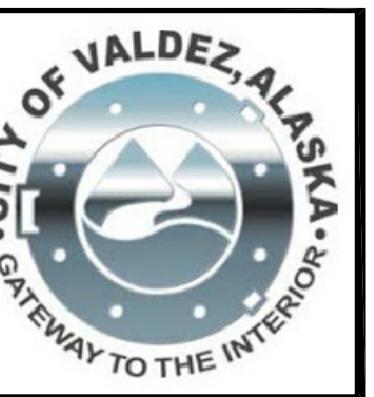
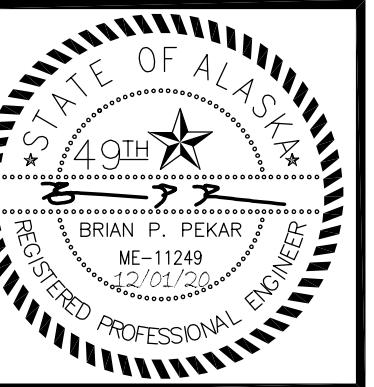
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-  1 DEMOLISH CW/HW TO SINK, PIPING ROUTED IN CEILING BELOW.
-  2 DEMOLISH CW PIPING UP TO TRAP PRIMER LOCATED IN ACCESS DOOR IN BENTHOUSE ABOVE.



# KEYPLAN

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Corporate No.: AECC542

**R S A**

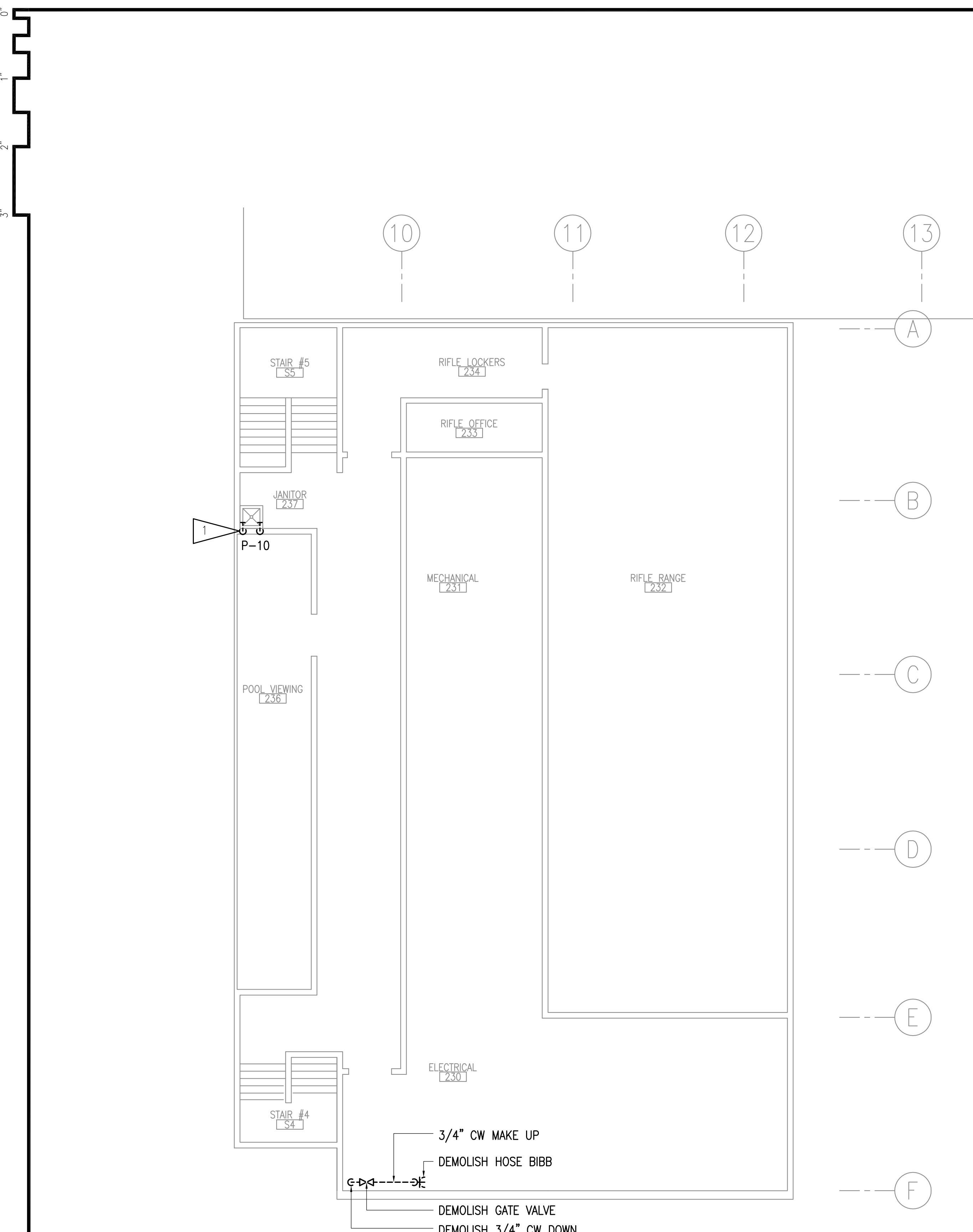
**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

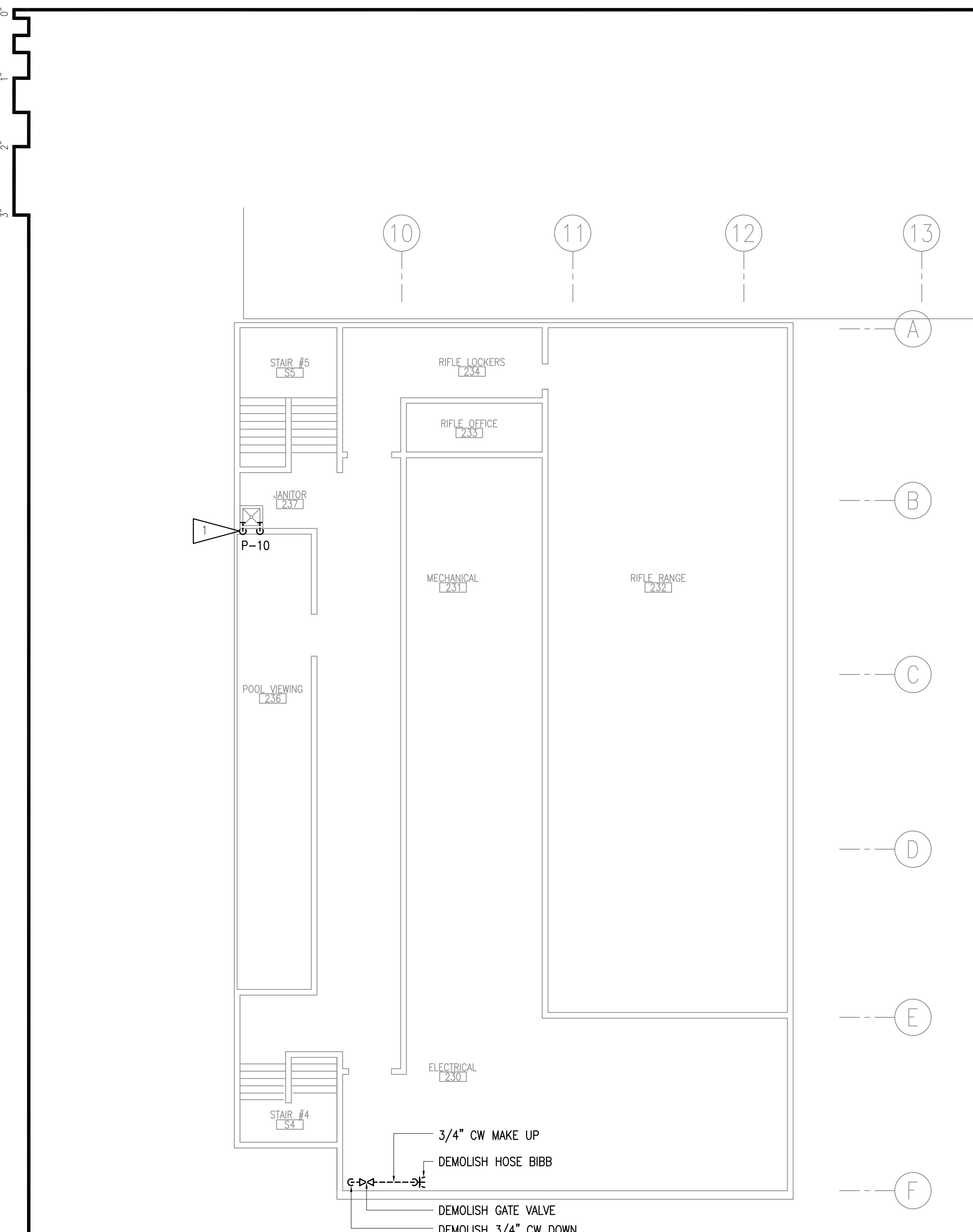
DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
SECOND FLOOR PLUMBING  
DEMOLITION PLAN -  
WEST

NO SCALE  
**M107**



**1** SECOND FLOOR PLUMBING DEMOLITION PLAN - WEST

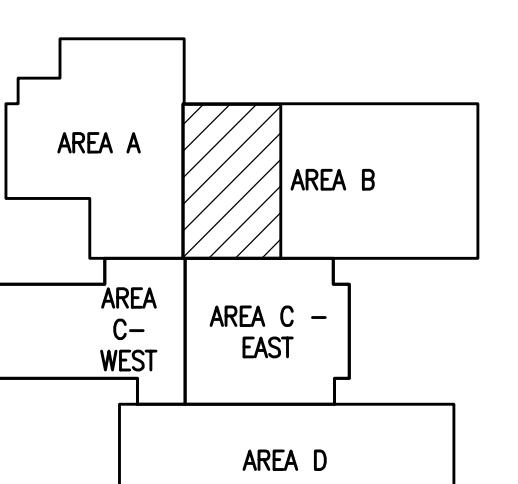


**GENERAL NOTES:**

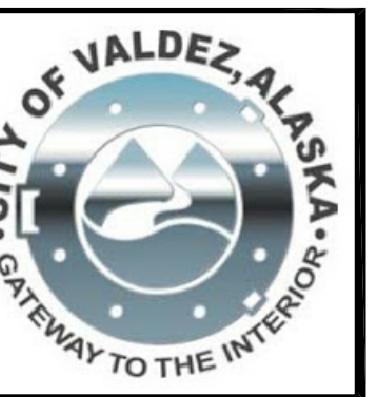
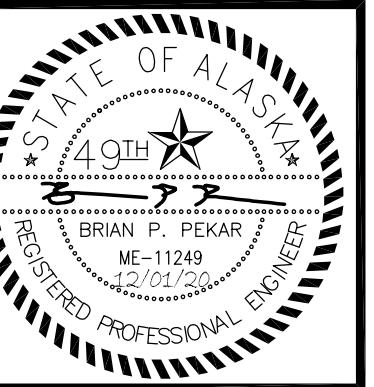
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- B. DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES UNLESS OTHERWISE NOTED.

**SHEET NOTES:**

1 DEMOLISH CW/HW PIPING TO JANITOR SINK, P-10. FIXTURE TO REMAIN.



**KEYPLAN**  
NO SCALE



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**RSA**

**DOMESTIC WATER PIPING REPLACEMENT**

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

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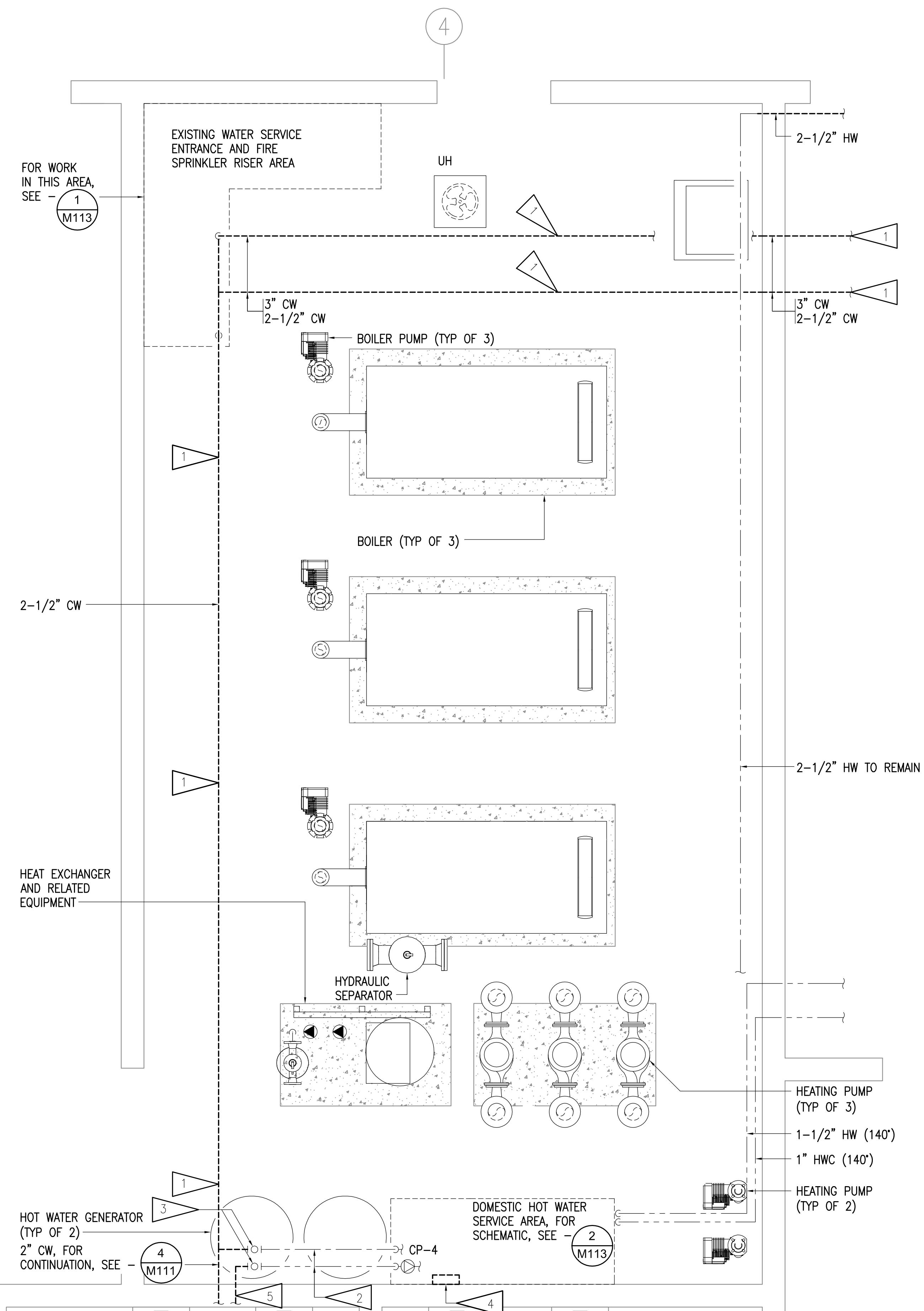
DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
BOILER ROOM  
DOMESTIC WATER PIPING  
DEMOLITION PLAN

KEYPLAN  
NO SCALE

**M108**

0  
1  
2  
3



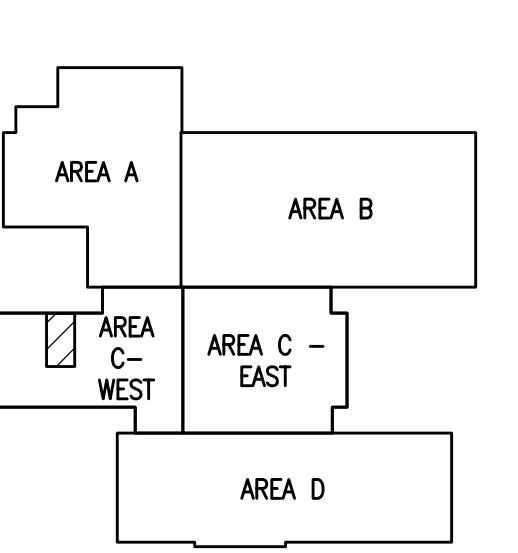
**1 ENLARGED BOILER ROOM DOMESTIC WATER PIPING DEMOLITION PLAN**

**GENERAL NOTES:**

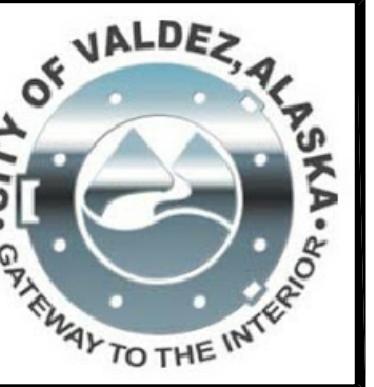
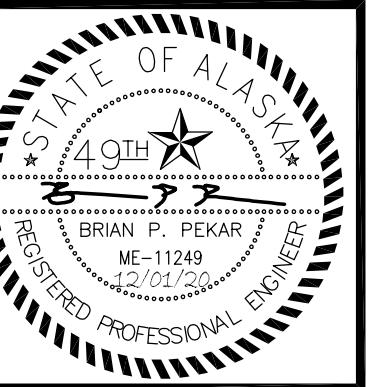
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**SHEET NOTES:**

- 1 DEMOLISH COLD WATER BACK TO RISER.
- 2 2" CW AND 1" HWC TO REMAIN.
- 3 ISOLATION VALVE TO REMAIN.
- 4 DEMOLISH TEMPERING VALVE.
- 5 DEMOLISH 1" HWC TO ISOLATION VALVE.



**KEYPLAN**  
NO SCALE



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Corporate No.: AECC542

# VALDEZ HIGH SCHOOL

8110 DOSE DIVISION RD #5

319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

Y: CAA  
BY: AWW  
12/01/2020  
BER: L9163  
: MSERIES

**TITLE:**  
**EQUIPMENT ROOM  
STATIC WATER PIPING  
SECTION PLAN**

60

## **GENERAL NOTES:**

THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

## SHEET NOTES:

DEMOLISH 2" CW FROM PENETRATION IN POOL DECK ABOVE TO BACKFLOW PREVENTER. BACKFLOW PREVENTER AND ALL OTHER PIPING SHALL REMAIN.

POOL EQUIP MECH ROOM

POOL HEAT EXCHANGER (TYP OF 2)

EXISTING ELECTRICAL EQUIPMENT

SUMP PUMP (TYP OF 2)

3" HGS/HGR

1-1/4" HGS/HGR

3" HGS/HGR

PWS PWR

1-1/2" NPCW TO POOL FILL

2" NPCW TO POOL FILL

3/4" NPCW FILL

1-1/2" NPCW

2" NPCW FILL

BACKFLOW PREVENTER

6" BACKWATER VALVE

EXHAUST FAN (E)

4" FW, CONNECT TO 6" W

EXISTING SUMP PUMP CONTROL PANEL

5

7

8

9

E

F

# 1 POOL EQUIPMENT ROOM DOMESTIC WATER PIPING DEMOLITION PLAN

1/4"=1'-0"

1/4"=1'-0"

AREA A

AREA B

AREA C - WEST

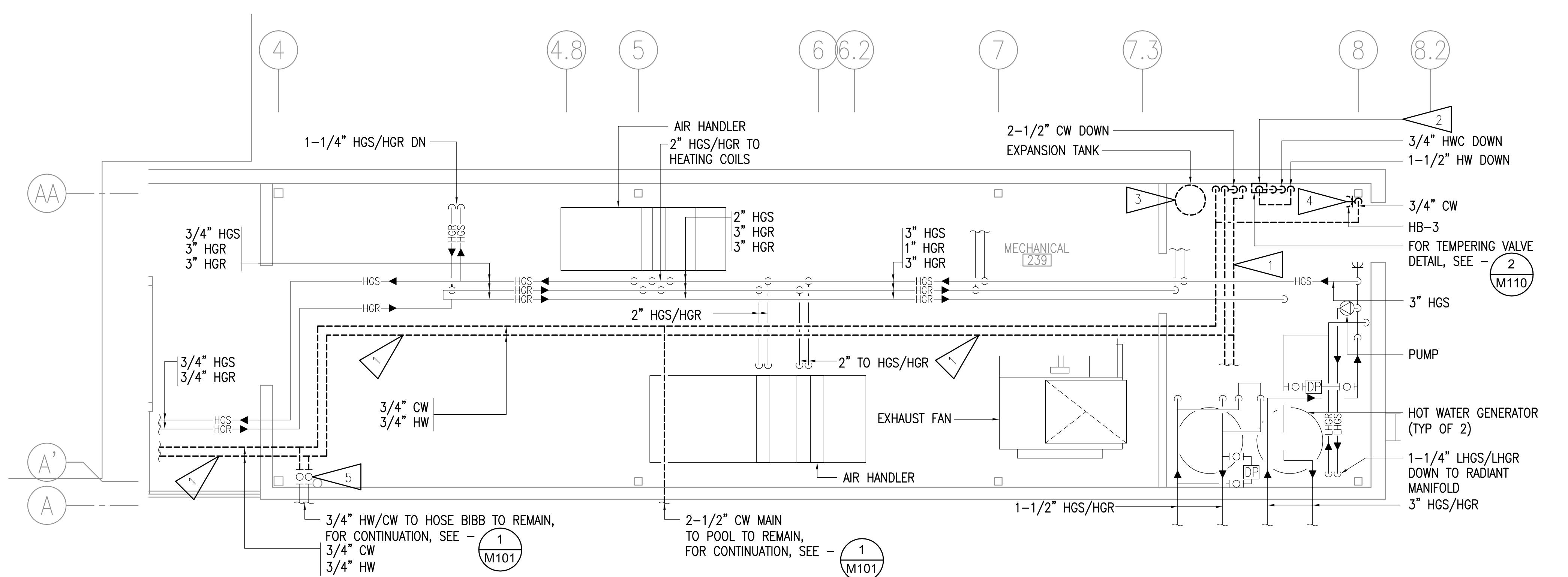
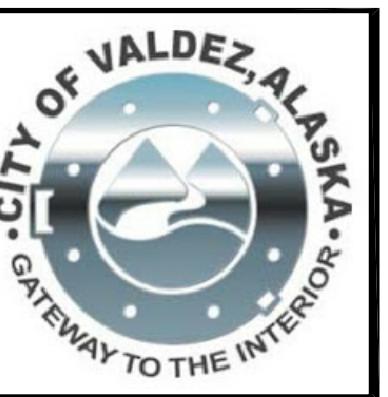
AREA C - EAST

AREA D

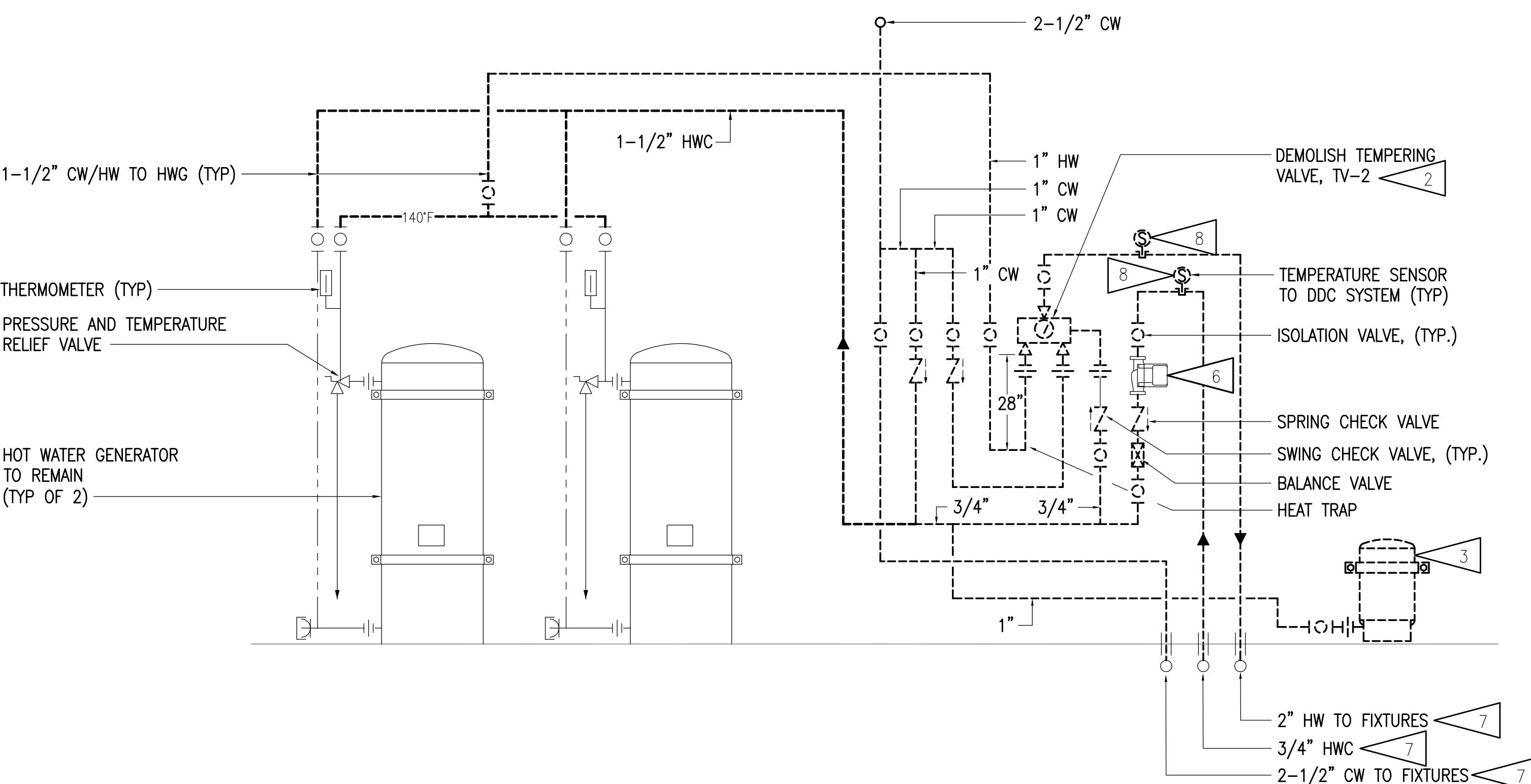
# SEYPLAN

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STREET:

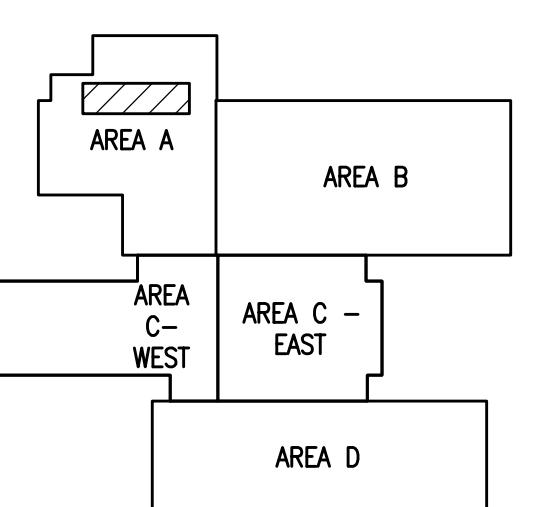


1 ENLARGED POOL ADDITION MECHANICAL ROOM PIPING DEMOLITION PLAN



2 POOL ADDITION MECHANICAL ROOM PIPING DEMOLITION SCHEMATIC

NO SCALE

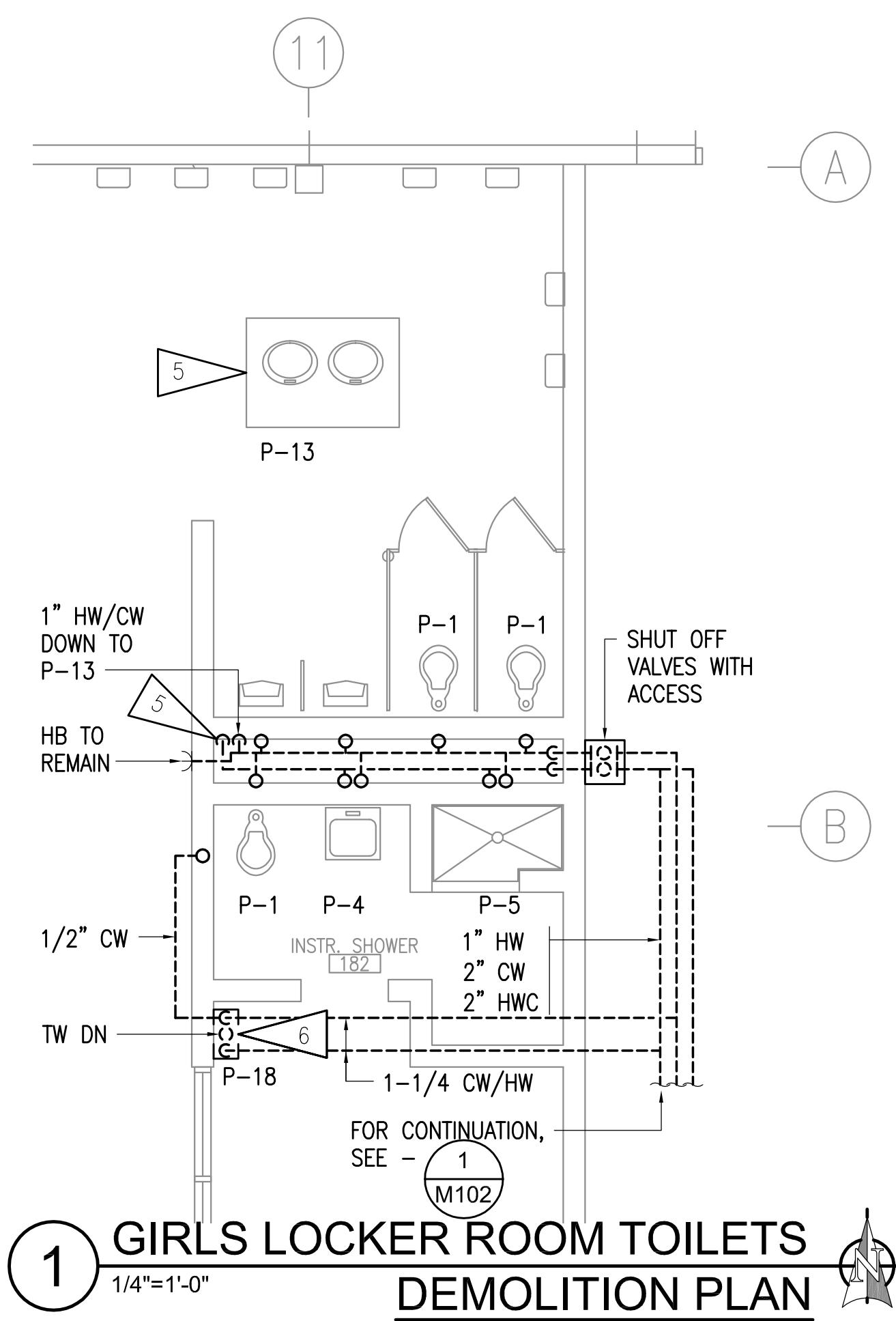
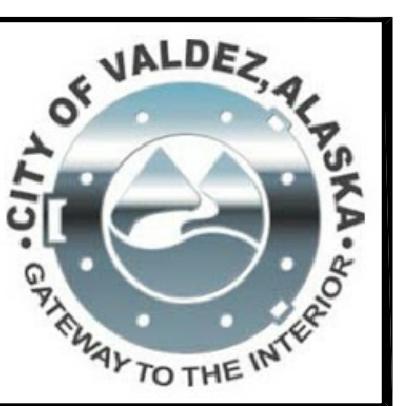
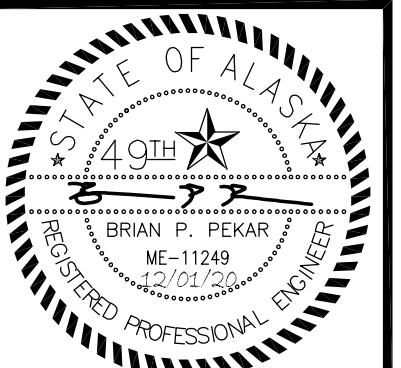


DRAWING TITLE: POOL MECHANICAL ROOM DEMOLITION PLAN AND SCHEMATIC

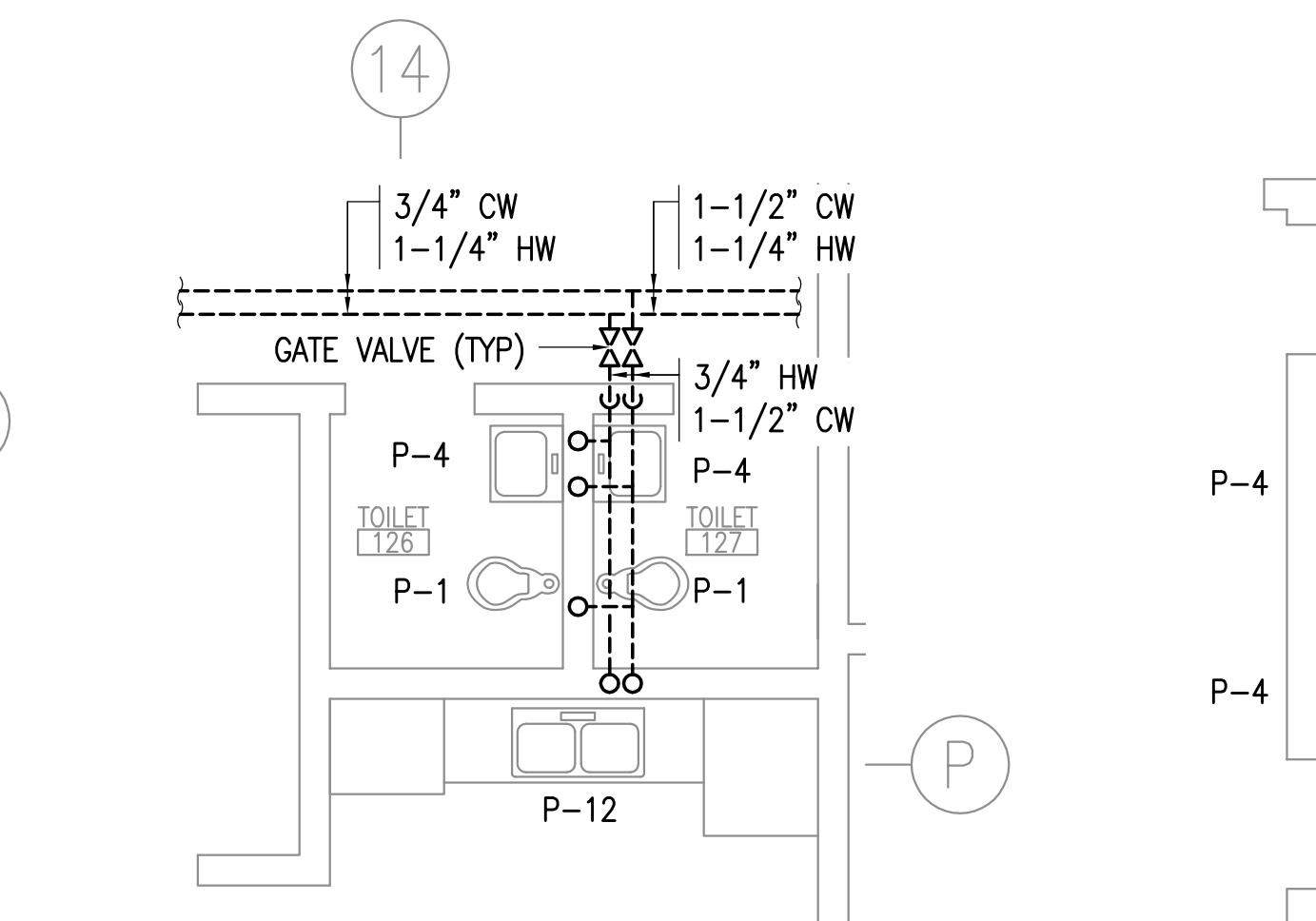
KEYPLAN

NO SCALE

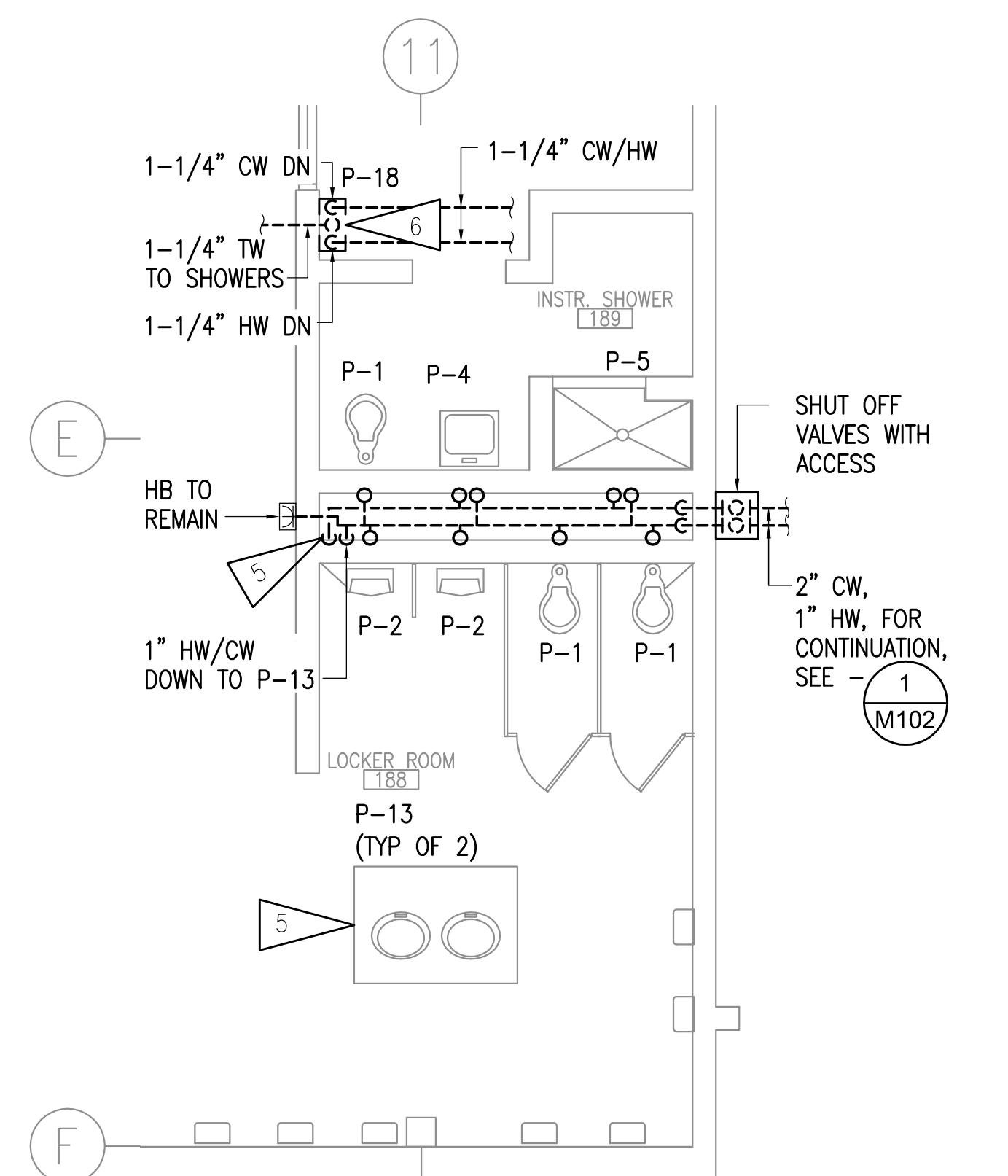
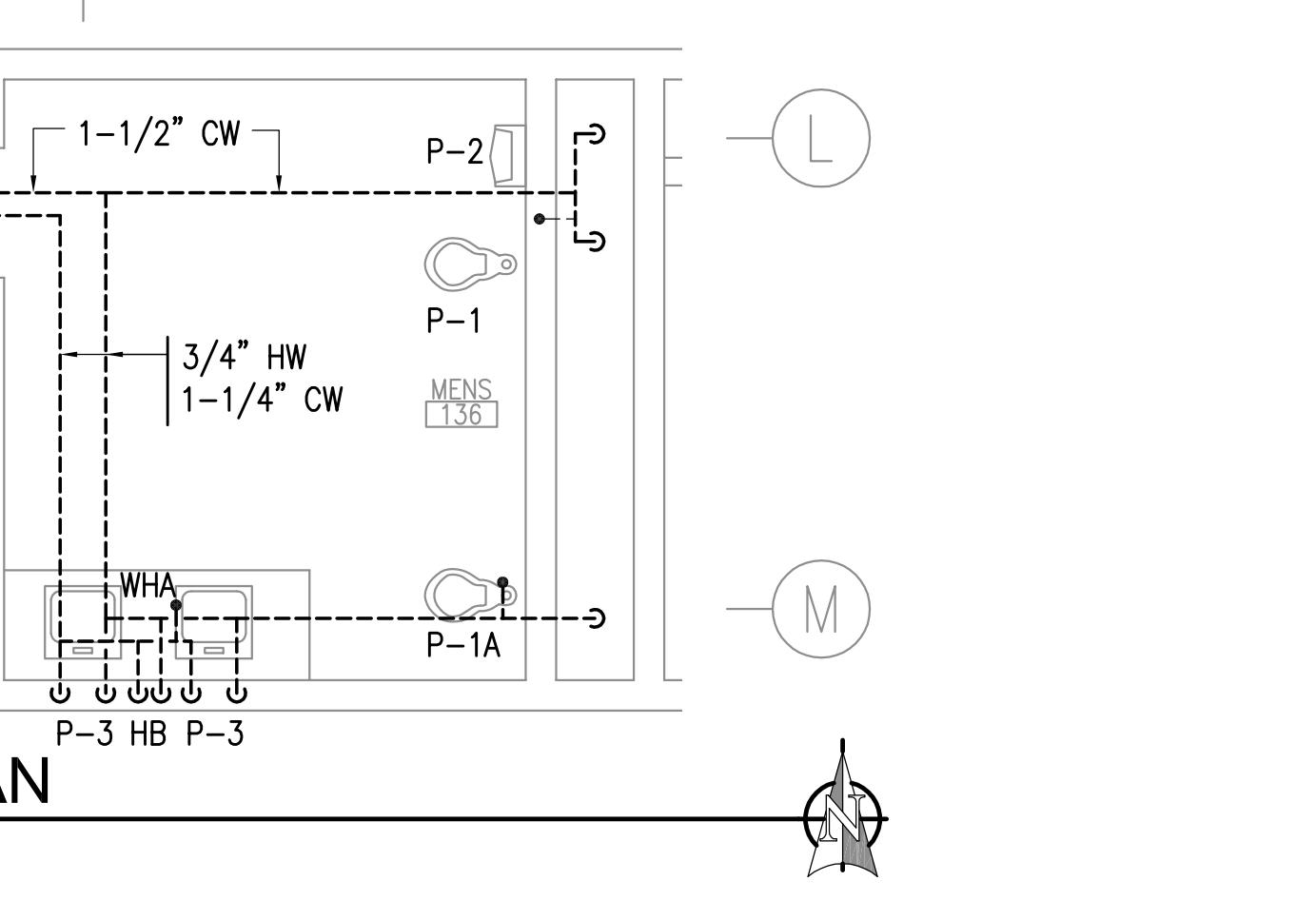
M110



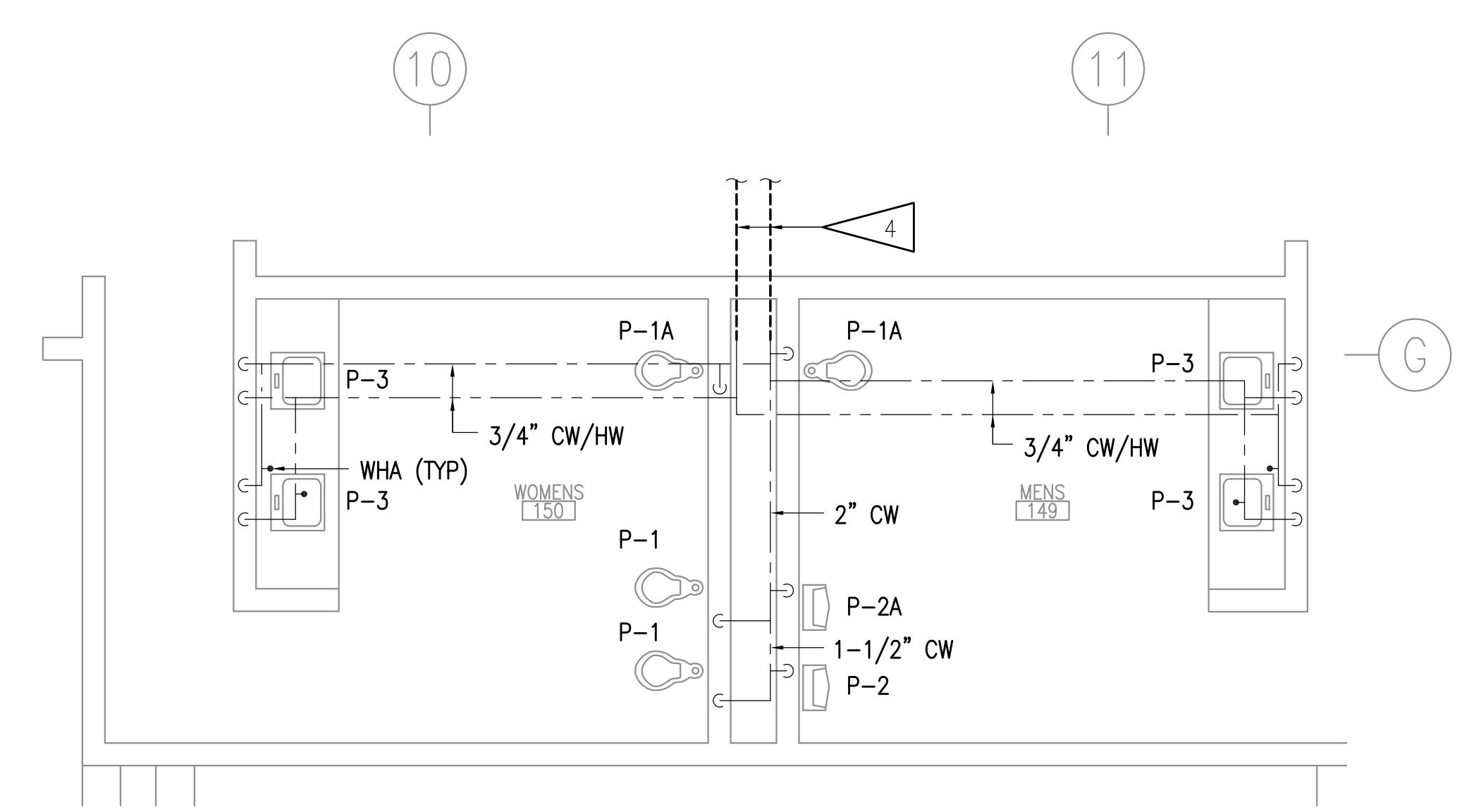
**2 BOYS LOCKER ROOM TOILETS DEMOLITION PLAN**  
1/4"=1'-0"



**5 TOILETS 126 & 127 DEMOLITION PLAN**  
1/4"=1'-0"



**3 TOILETS 149 AND 150 - DEMOLITION PLAN**  
1/4"=1'-0"



**GENERAL NOTES:**

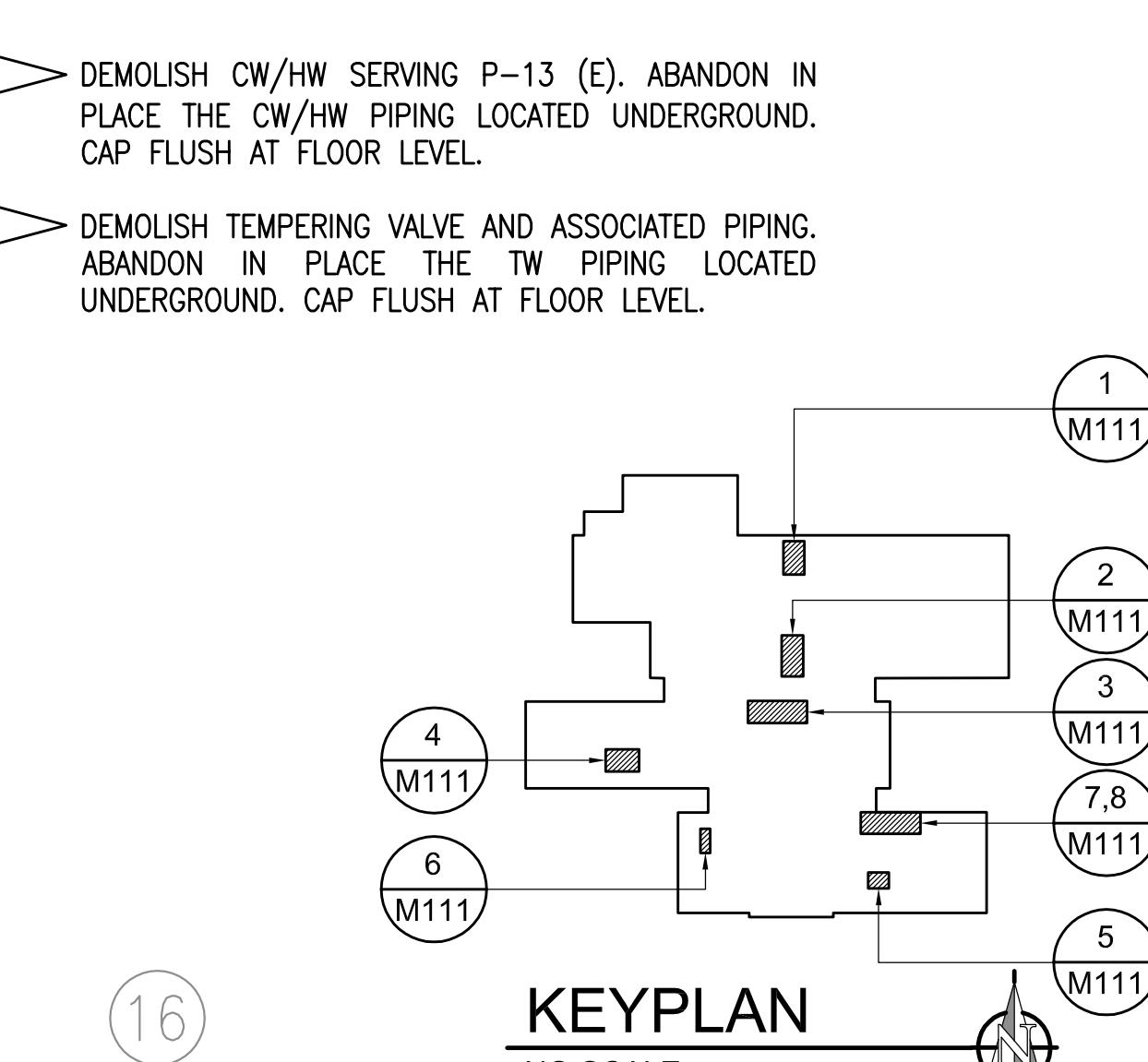
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**SHEET NOTES:**

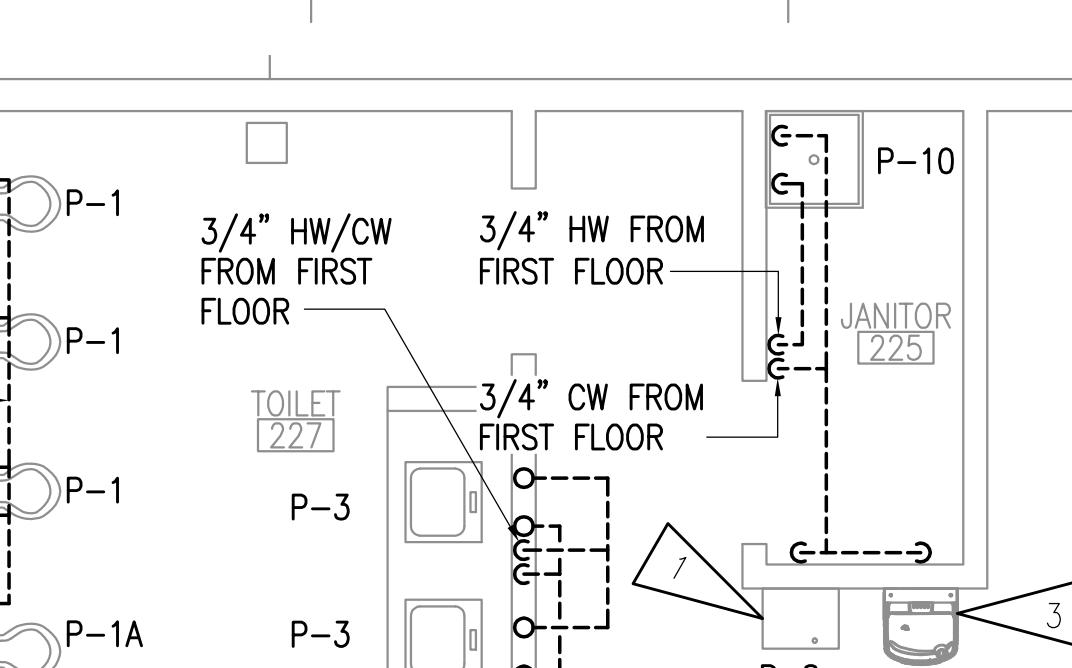
- 1 DEMOLISH DRINKING FOUNTAIN.
- 2 DEMOLISH CW/HW SERVING P-13 (E). ABANDON IN PLACE THE CW/HW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL.
- 3 DEMOLISH CW/HW SERVING P-13 (E). ABANDON IN PLACE THE CW/HW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL.
- 4 DEMOLISH CW/HW SERVING P-13 (E). ABANDON IN PLACE THE CW/HW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL.
- 5 DEMOLISH CW/HW SERVING P-13 (E). ABANDON IN PLACE THE CW/HW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL.
- 6 DEMOLISH CW/HW SERVING P-13 (E). ABANDON IN PLACE THE CW/HW PIPING LOCATED UNDERGROUND. CAP FLUSH AT FLOOR LEVEL.

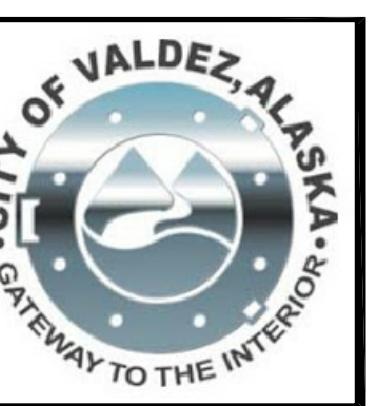
ALL OTHER PIPING IN RESTROOMS 149 AND 150 TO REMAIN. FOR CONTINUATION, SEE - 1 M104

1 M104



**KEYPLAN**  
NO SCALE





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MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542

**RSA****DOMESTIC WATER PIPING REPLACEMENT**

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

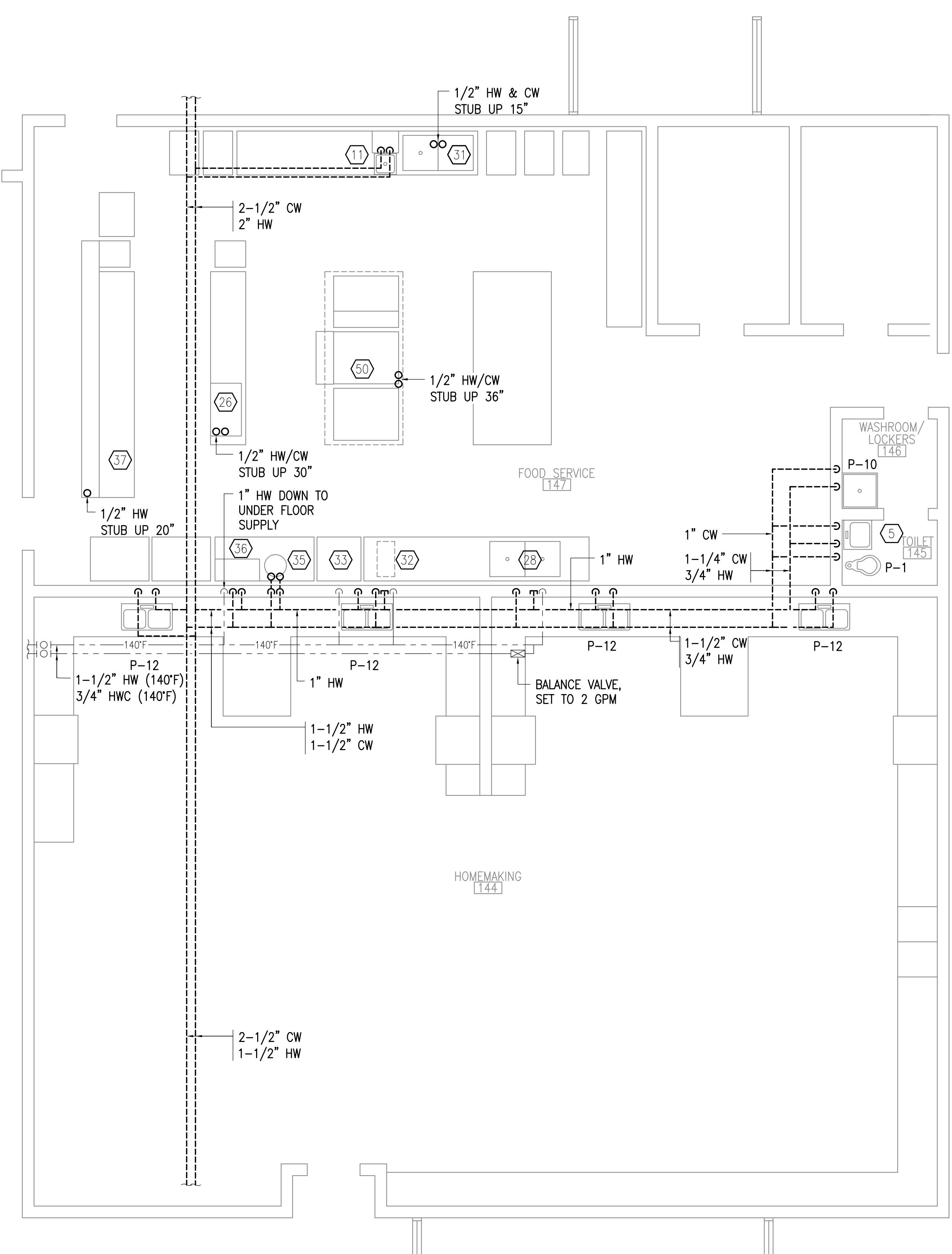
REVISIONS:

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DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
FOOD SERVICE AREA -  
DEMOLITION PLAN

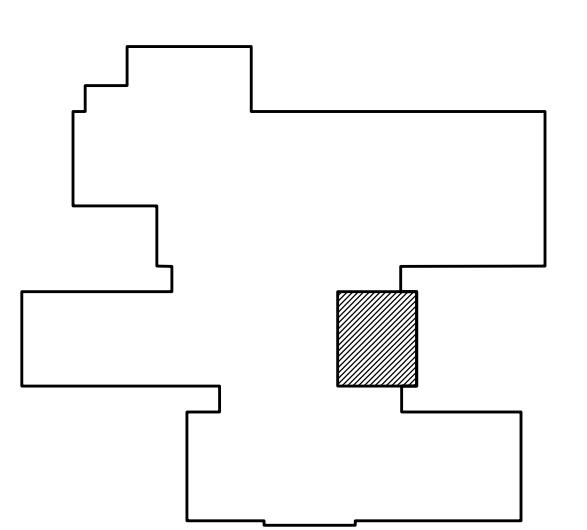
SHEET:  
**M112**



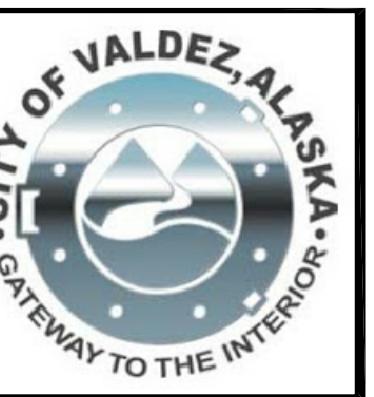
**1** FOOD SERVICE AREA DEMOLITION PLAN  
1/4"=1'-0"

### GENERAL NOTES:

- THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- PIPING ABOVE CEILING - DEMOLISH ALL CW, HW, HWC PIPING AND APPURTENANCES IN AREAS WITH GRID CEILING TILES, UNLESS OTHERWISE NOTED. IN ROOMS WITH SHEETROCK DEMOLISH ACCESSIBLE PIPING THROUGH EXISTING LIGHT FIXTURES AND ACCESS PANELS. ABANDON INACCESSIBLE PIPING.
- PIPING IN WALLS - UNLESS NOTED OTHERWISE, ABANDON PIPING IN PLACE, CUT WALL TO EXTENT NECESSARY TO REMOVE PIPING AND APPURTENANCES WHICH PENETRATE WALL SURFACE, REMOVE PIPING FROM WALL WHERE ACCESSIBLE AND AS NEEDED TO ALLOW FOR ROUTING OF NEW PIPING.
- ABANDONED PIPING SHALL BE COMPLETELY DRAINED AND CLEARLY MARKED "ABANDONED".
- ALL PLUMBING FIXTURES TO REMAIN UNLESS OTHERWISE INDICATED. DEMOLISH ANGLE STOPS ON PLUMBING FIXTURES WHERE PIPING IS DEMOLISHED UP TO FIXTURE.
- 140F HW/HWC PIPING TO REMAIN.



**KEYPLAN**  
NO SCALE



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670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
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Corporate No.: AEC542

RSA

DOMESTIC WATER PIPING REPLACEMENT

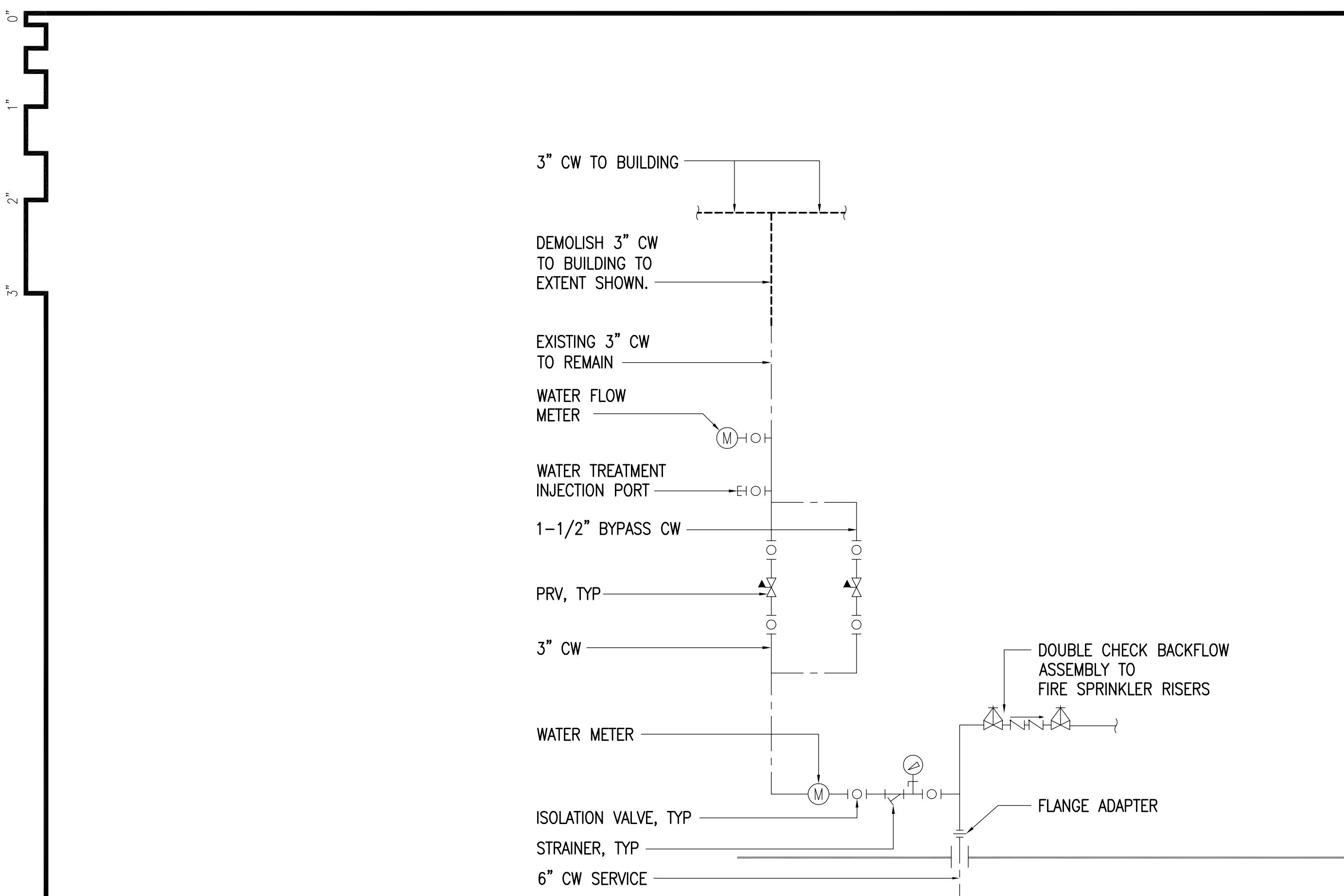
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

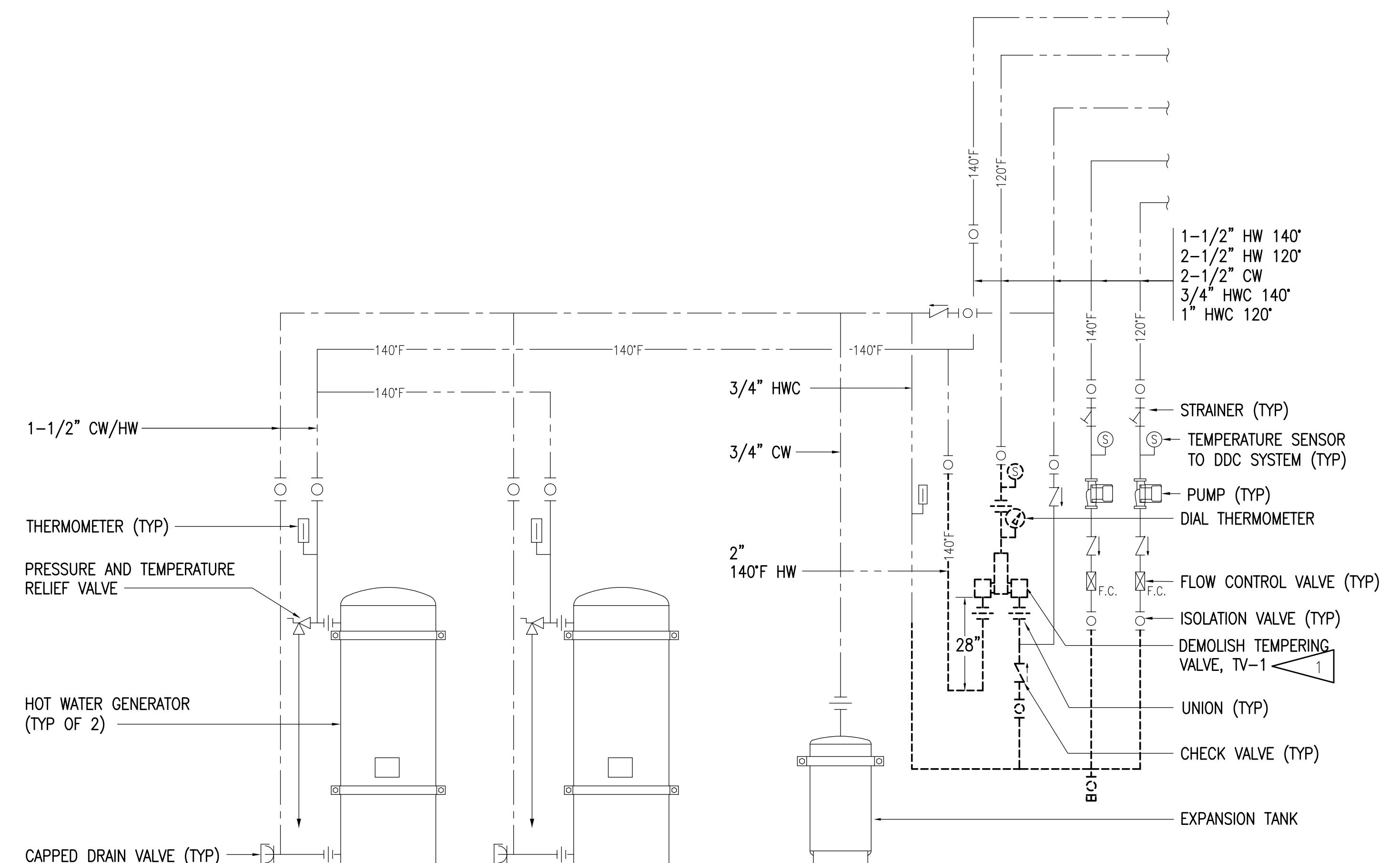
DRAWN BY: CAA  
CHECKED BY: AWW  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
WATER RISER DEMOLITION  
DIAGRAM AND BOILER  
ROOM DOMESTIC WATER  
DEMOLITION SCHEMATIC

SHEET:  
M113



1 WATER SERVICE RISER DEMOLITION DIAGRAM  
NO SCALE



2 BOILER ROOM DOMESTIC WATER PIPING DEMOLITION SCHEMATIC  
NO SCALE

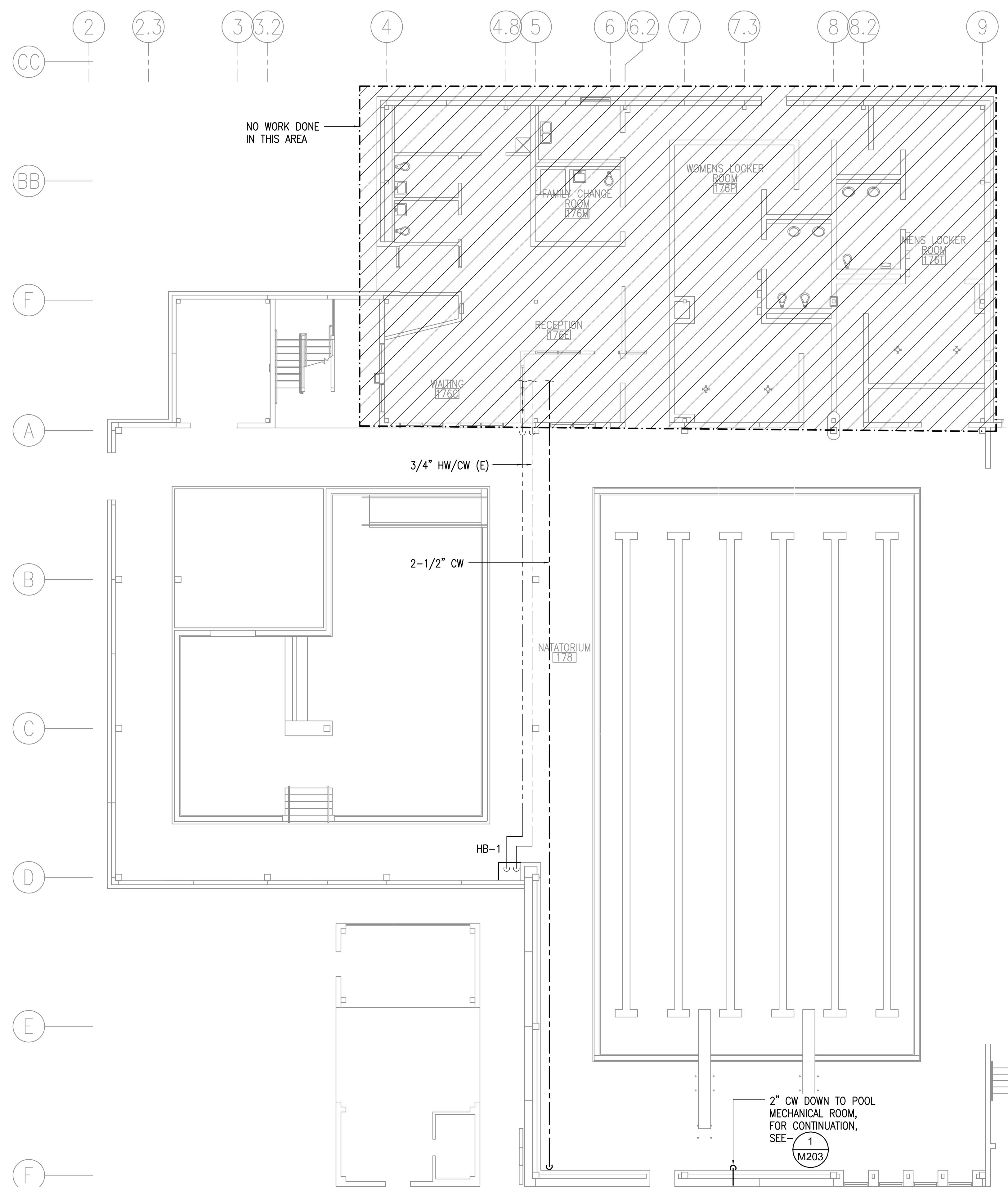
### GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

### SHEET NOTES:

DEMOLISH TEMPERING VALVE, TV-1 AND PIPING UP TO ISOLATION VALVE. ISOLATION VALVE TO REMAIN. DEMOLISH INLET PIPING TO UNIONS. DEMOLISH UNIONS. DEMOLISH OUTLET PIPING TO ISOLATION VALVE. ISOLATION VALVE TO REMAIN.

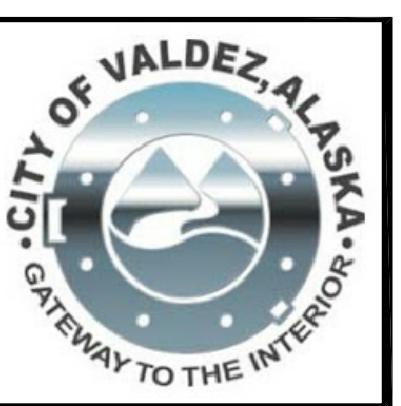
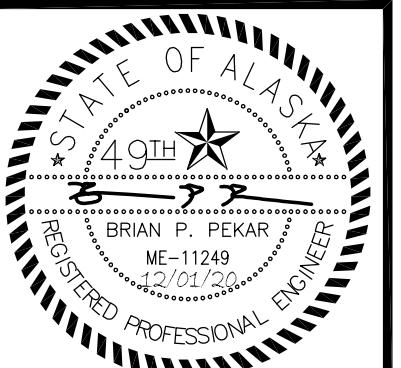
0" 1" 2" 3"



1 FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'A'  
1/8"=1'-0"

**GENERAL NOTES:**

A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.



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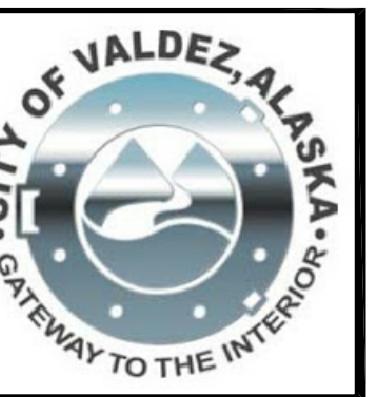
**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
FIRST FLOOR PLUMBING  
REMODEL PLAN -  
AREA 'A'

NO SCALE  
KEYPLAN  
SHEET: M201



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Corporate No.: AEC 542

RSA

DOMESTIC WATER PIPING REPLACEMENT

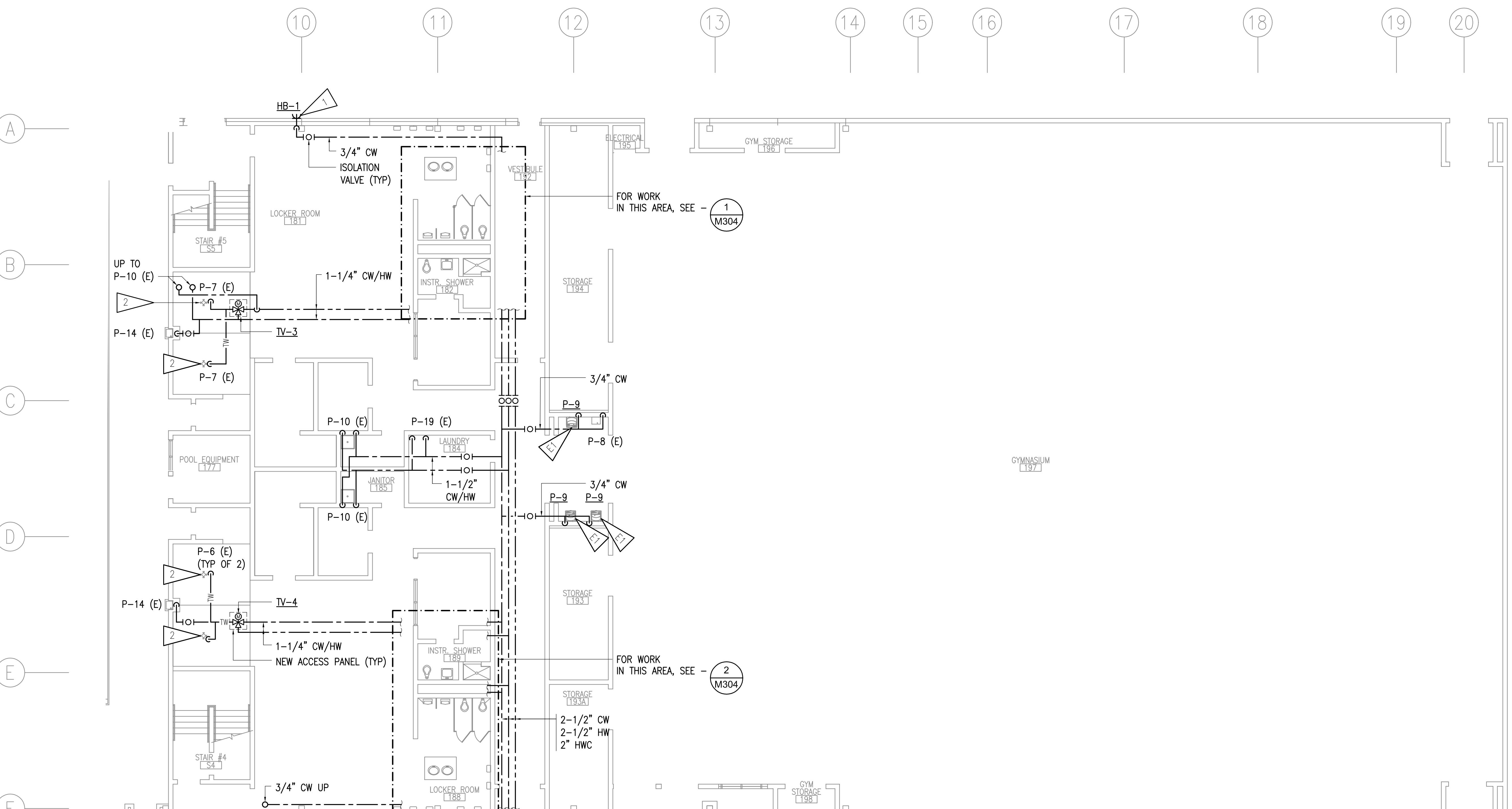
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
FIRST FLOOR PLUMBING  
REMODEL PLAN -  
AREA 'B'

NO SCALE  
KEYPLAN  
M202



### 1 FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'B'

#### GENERAL NOTES:

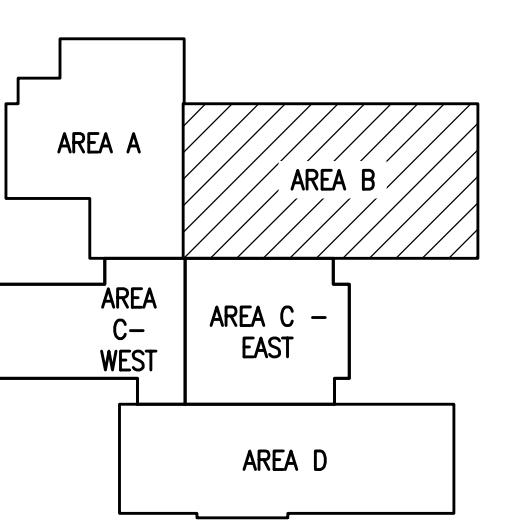
- A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.
- B. NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.
- C. REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.
- D. PIPING ABOVE CEILING - IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.
- E. PIPING IN WALLS - UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.

#### SHEET NOTES:

- 1 EXISTING WALL BOX TO REMAIN. PROVIDE WITH NONFREEZE WALL HYDRANT IN EXISTING WALL BOX.
- 2 1" TW FROM TEMPERING VALVE DOWN TO COLUMN SHOWER. PROVIDE METAL JACKETING OVER INSULATION ON EXPOSED PIPING BELOW CEILING.

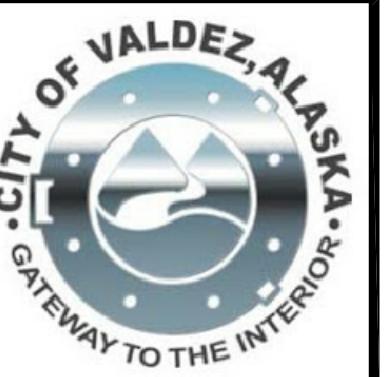
#### ELECTRICAL SHEET NOTES:

PROVIDE GFCI RECEPTACLE FOR BOTTLE FILLER DRINKING FOUNTAIN. PROVIDE 1/2" CONDUIT WITH 3#12 AWG COPPER TYPE XHHW CONDUCTORS AND ROUTE BACK TO THE NEAREST 120/208V PANEL WITH AVAILABLE SPACE. PROVIDE NEW 20A, 1-POLE CIRCUIT BREAKER LISTED FOR USE WITHIN EXISTING PANEL. UPDATE PANEL SCHEDULE TO REFLECT NEW BOTTLE FILLER DRINKING FOUNTAIN LOAD(S). A MAXIMUM OF (3) BOTTLE FILLERS MAY BE INSTALLED ON THE NEW CIRCUIT. FIELD VERIFY PANEL LOCATIONS AND MANUFACTURER MAKE AND MODEL PRIOR TO BEGINNING WORK.



KEYPLAN  
NO SCALE

NO SCALE  
KEYPLAN  
M202



---

# Engineering, Inc.

MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS

6670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503

Phone (907) 276-0521  
Corporate No.: AECC542

DOMESTIC WATER PIPING REPLACEMENT

---

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

## REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
**FIRST FLOOR PLUMBING  
REMODEL PLAN -  
AREA 'C' - WEST**

SHEET:  
**M203**

## **GENERAL NOTES:**

PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.

NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.

REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.

PIPING ABOVE CEILING – IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.

PIPING IN WALLS – UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.

## SHEET NOTES:

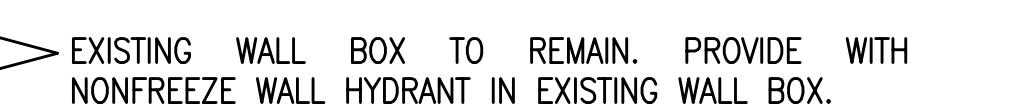


Diagram illustrating the piping and instrumentation for a building's utility system, showing the flow of Chilled Water (CW), Hot Water (HW), and Steam (S).

**Legend:**

- 2: Horizontal pipe
- 2.3: Vertical pipe
- 3 3.2: Tee connection
- 4: Elbow
- 4.8 5: Reducer
- 6 6.2: Tee connection
- 7: Vertical pipe
- 7.3: Horizontal pipe
- 8 8.2: Tee connection

**Key Components and Labels:**

- Valves:** HB-1, G, H, J, K, P-11, P-16 (E).
- Control Points:** M301, M304.
- Rooms and Areas:** SHOP [169], RECEIVING [170], MECHANICAL [171], VESTIBULE [173], CORRIDOR [174], ARTS/CRAFTS [172], MUSIC [160], STORAGE [154], OFFICE [159], PRACTICE ROOM [158], PRACTICE ROOM [156], VENDING STORAGE [156], DAMP STORAGE [163], TOILET [165], TOILET [164], TOOL STORAGE [168], OFFICE [167].
- Piping Dimensions:**
  - 3/4" CW
  - 3/4" CW DOWN
  - 1/2" HW
  - 1" CW
  - 2" CW
  - 3" CW
  - 2-1/2" HW
  - 120°F
  - 140°F
  - 1-1/2" HW (140°F) (E)
  - 3/4" HWC (E)
  - 1-1/4" HW
  - 2" CW
- Annotations:**
  - FOR WORK DONE IN THIS AREA, SEE - M301
  - FOR WORK DONE IN THIS AREA, SEE - M304

# 1 FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'C' - WEST

1 1/8"=1'-0"

1/8"=1'-0"

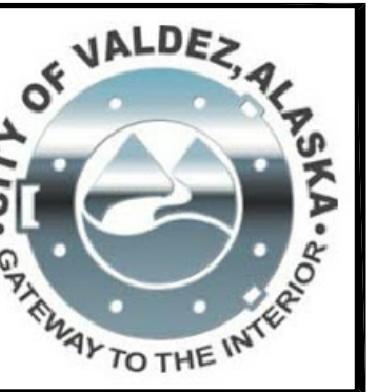
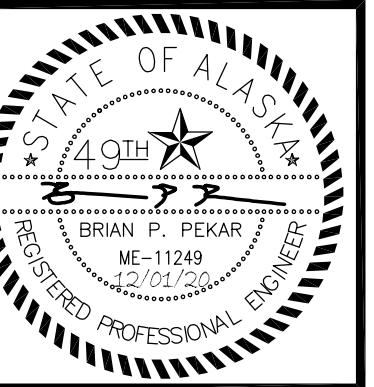
Diagram illustrating the spatial relationship between four areas:

- AREA A**: A large rectangle on the left.
- AREA B**: A large rectangle on the right.
- AREA C**: A rectangle at the bottom, divided into:
  - C-WEST**: The left portion, hatched with diagonal lines.
  - C-EAST**: The right portion.
- AREA D**: A rectangle at the bottom, overlapping with the C-EAST portion of Area C.

# NEYPLAN

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SHEET:  
**M203**



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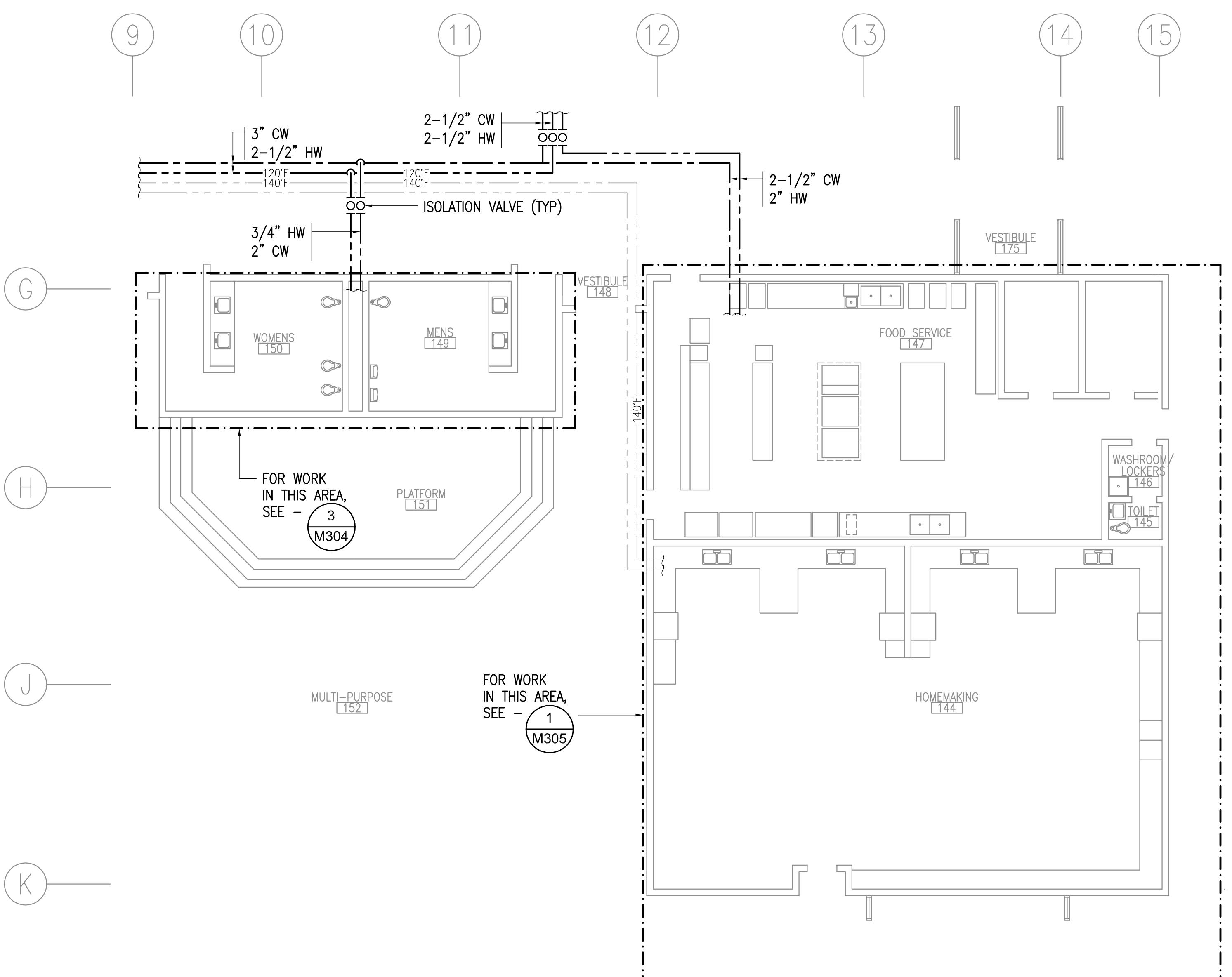
**RSA****DOMESTIC WATER PIPING REPLACEMENT**

VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

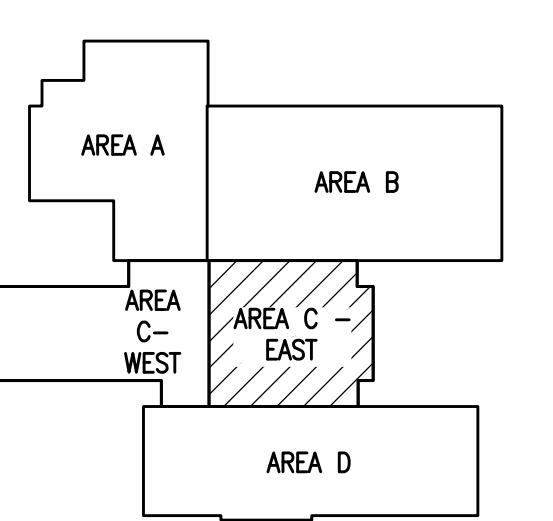
DRAWING TITLE:  
FIRST FLOOR PLUMBING  
REMODEL PLAN -  
AREA 'C' - EAST

SHEET:  
**M204**

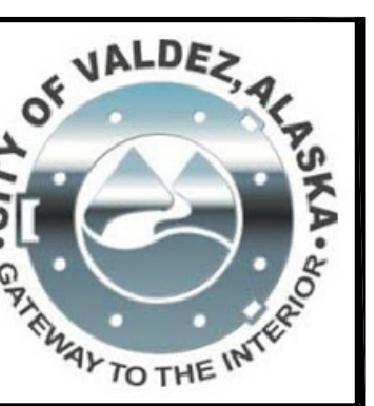
**1** FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'C' - EAST  
1/8"=1'-0"

**GENERAL NOTES:**

- A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.
- B. NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.
- C. REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.
- D. PIPING ABOVE CEILING - IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.
- E. PIPING IN WALLS - UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.

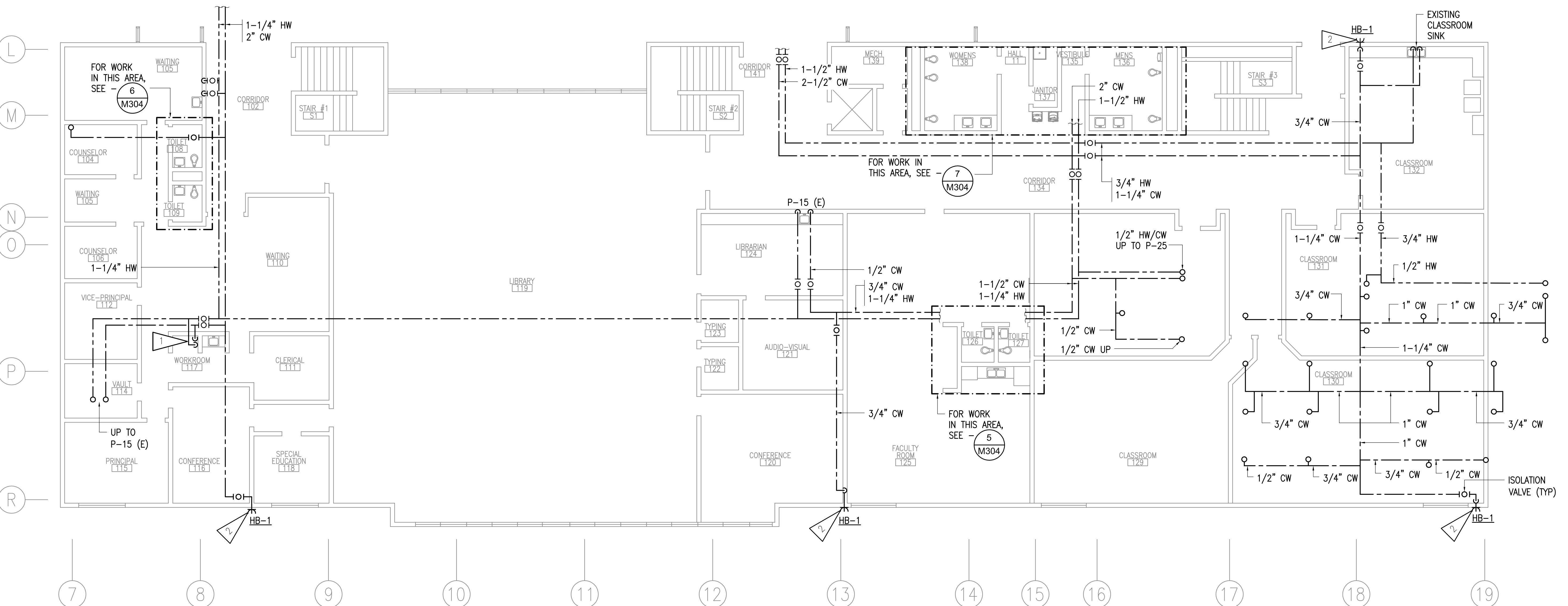


**KEYPLAN**  
NO SCALE



**Engineering, Inc.**  
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Phone (907) 276-0521  
Corporate No.: AEC542

**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA



**1 FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'D'**

**GENERAL NOTES:**

- PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.
- NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.
- REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.
- PIPING ABOVE CEILING - IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.
- PIPING IN WALLS - UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.

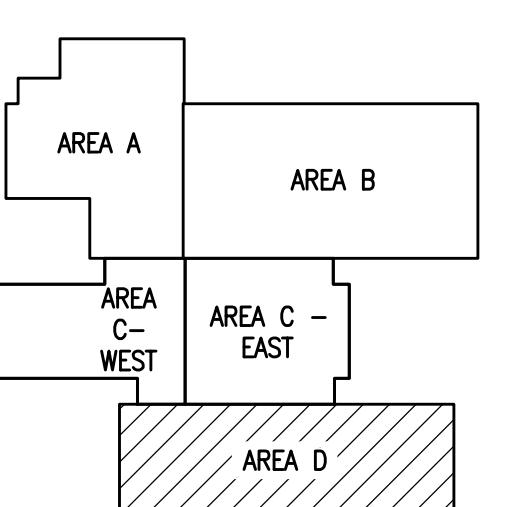
**SHEET NOTES:**

1 ▲ ROUTE PIPING DOWN WALL WITH STAINLESS STEEL ENCLOSURE INTO EXISTING SINK BASE TO CABINET.  
2 ▲ EXISTING WALL BOX TO REMAIN. PROVIDE WITH NONFREEZE WALL HYDRANT IN EXISTING WALL BOX.

REVISIONS:

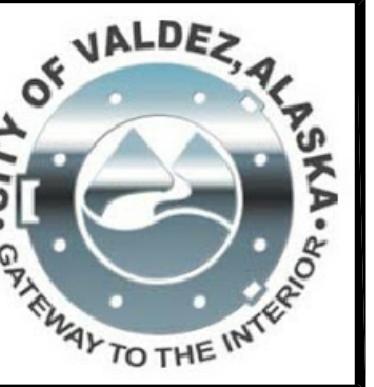
DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE: FIRST FLOOR PLUMBING REMODEL PLAN - AREA 'D'



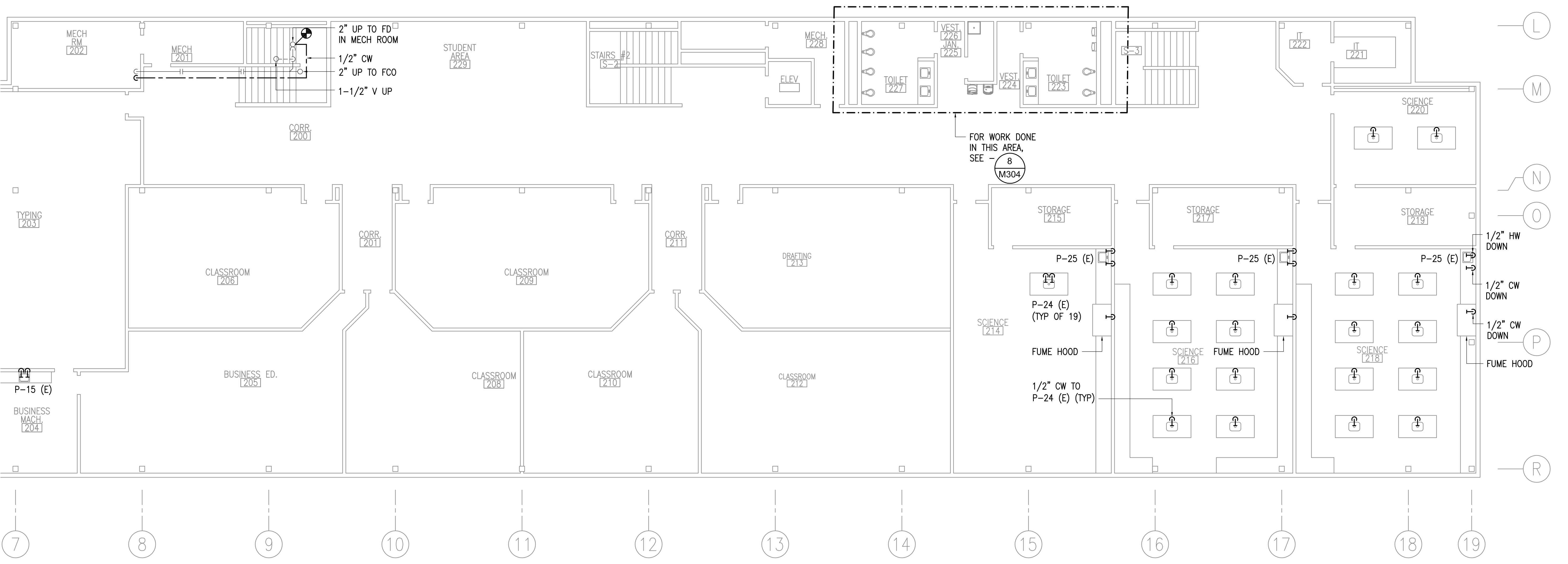
**KEYPLAN**  
NO SCALE

SH: M205



**R S A**  
**Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AEC 542

**DOMESTIC WATER PIPING REPLACEMENT**  
**VALDEZ HIGH SCHOOL**  
**319 ROBE RIVER DRIVE**  
**VALDEZ, ALASKA**



**1** SECOND FLOOR PLUMBING REMODEL PLAN - AREA 'D'

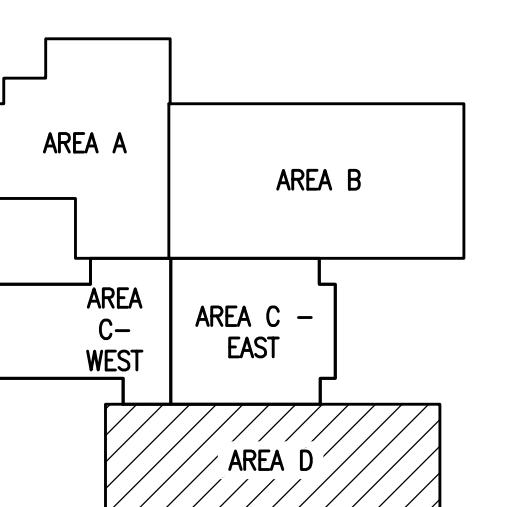
**GENERAL NOTES:**

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- NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.
- REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.
- PIPING ABOVE CEILING - IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.
- PIPING IN WALLS - UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW. ALL ACCESSIBLE NEW PIPING SHALL BE SUPPORTED PER UPC.

REVISIONS:

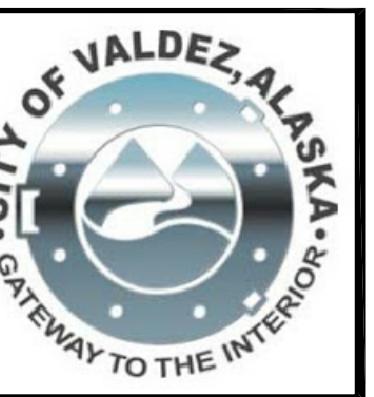
DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
SECOND FLOOR PLUMBING  
REMODEL PLAN -  
AREA 'D'



**KEYPLAN**  
NO SCALE

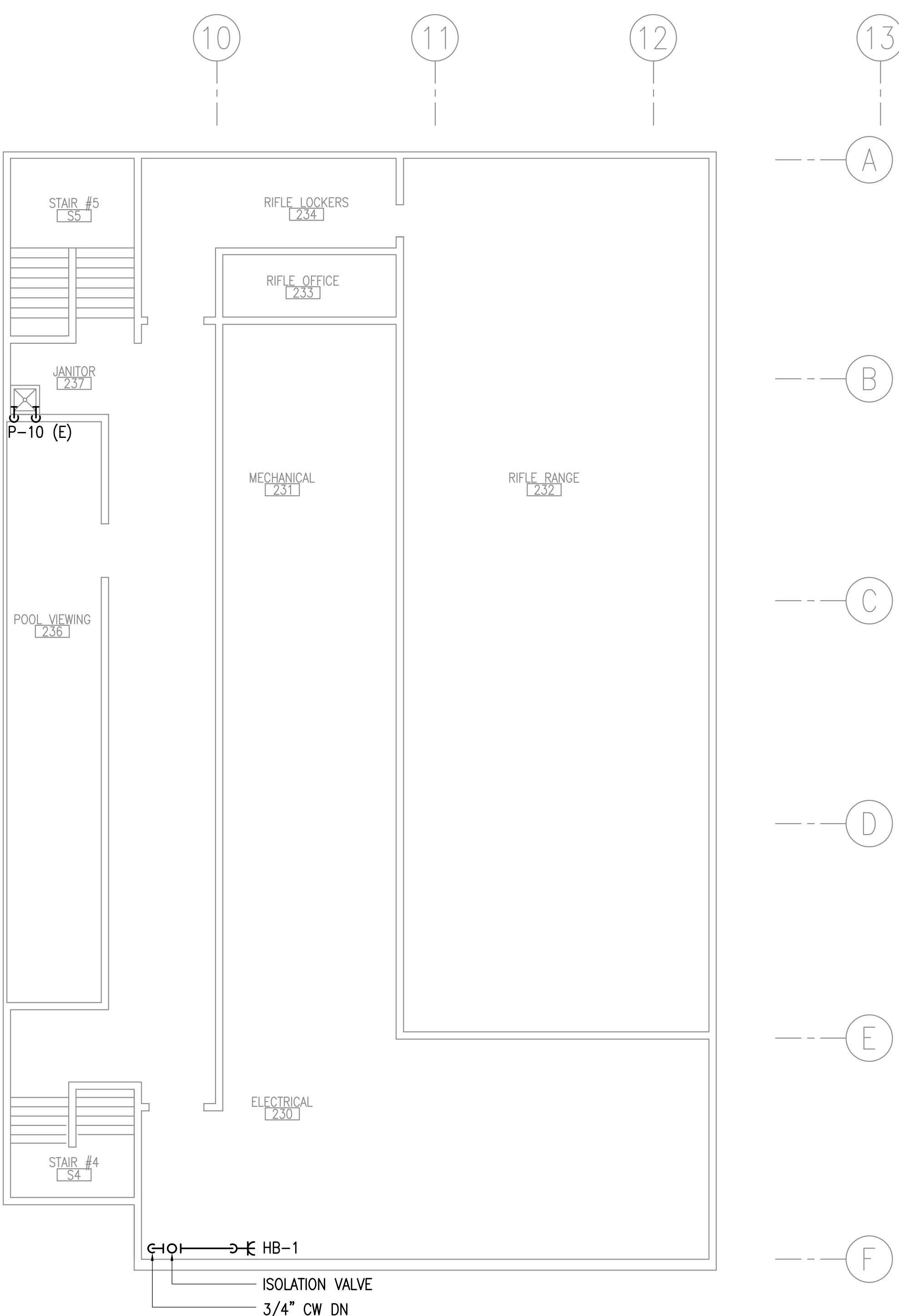
SHET: M206



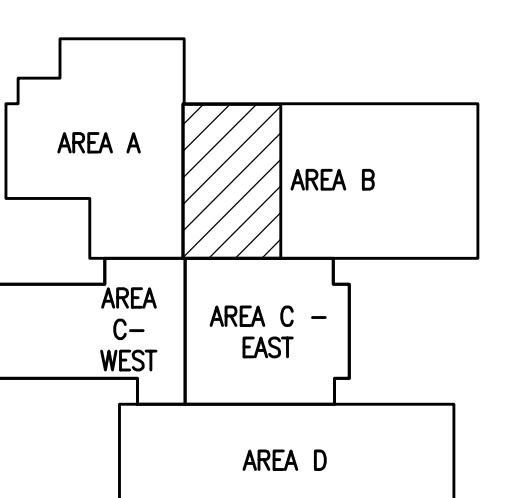
**Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542

### GENERAL NOTES:

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- B. NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.
- C. REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.
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- E. PIPING IN WALLS - UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.



1 SECOND FLOOR PLUMBING REMODEL PLAN - WEST  
1/8"=1'-0"



KEYPLAN  
NO SCALE

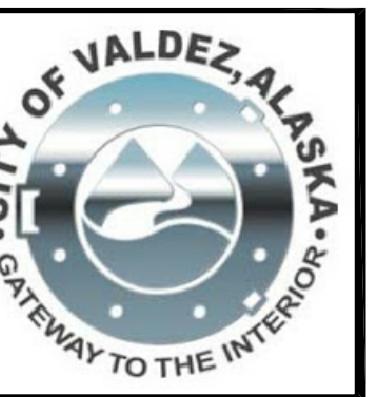
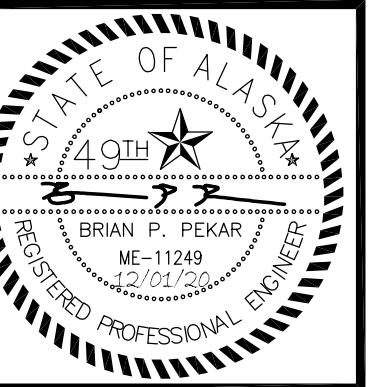
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CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: L9163\_MSERIES

DRAWING TITLE:  
SECOND FLOOR PLUMBING  
REMODEL PLAN -  
WEST

SHEET:  
M207

**R S A**

DOMESTIC WATER PIPING REPLACEMENT  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA



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MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 West Fireweed Lane, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECG542

**R S A**

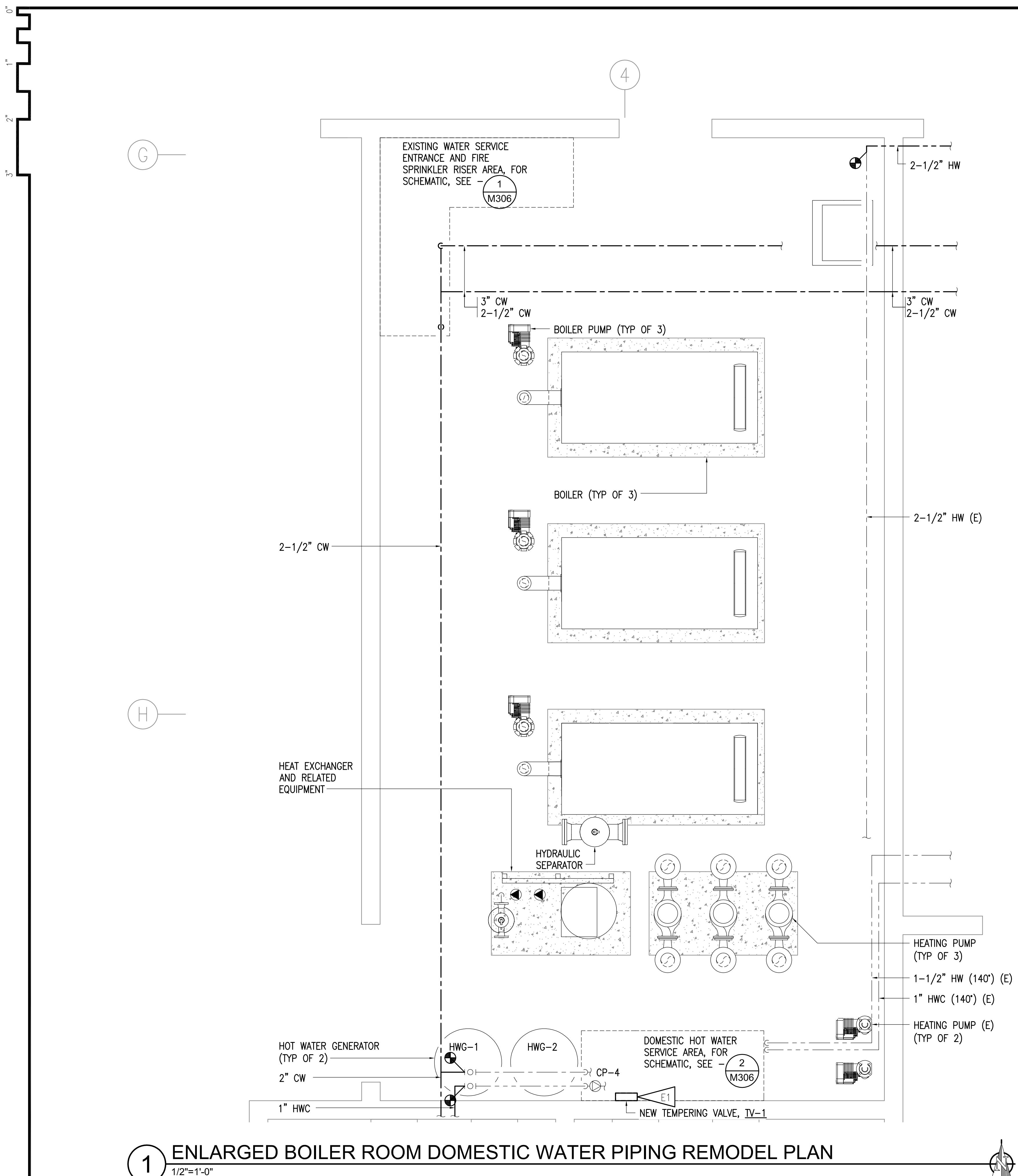
**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
ENLARGED BOILER ROOM  
DOMESTIC WATER PIPING  
REMODEL PLAN

KEYPLAN  
NO SCALE  
SHEET:  
**M301**



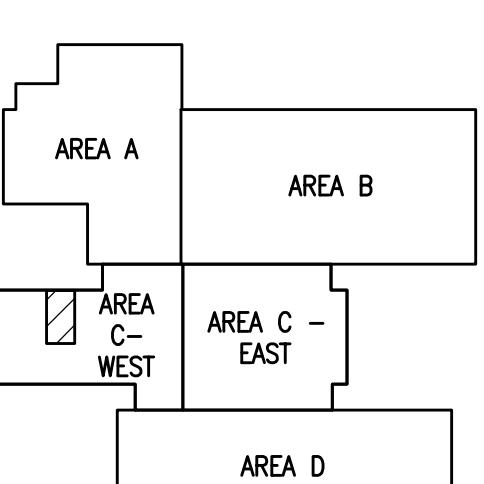
**1** ENLARGED BOILER ROOM DOMESTIC WATER PIPING REMODEL PLAN  
1/2"=1'-0"

**GENERAL NOTES:**

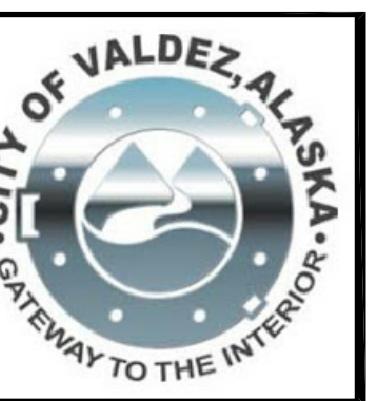
A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.

**ELECTRICAL SHEET NOTE:**

E1 PROVIDE 1/2" CONDUIT WITH 3#12 AWG COPPER TYPE XHHW CONDUCTORS AND CONNECT THE NEAREST AVAILABLE CONTROL PANEL CIRCUIT. PROVIDE JUNCTION BOXES AS REQUIRED FOR A COMPLETE SYSTEM. UPDATE PANEL SCHEDULE TO REFLECT NEW TEMPERING VALVE LOAD(S).



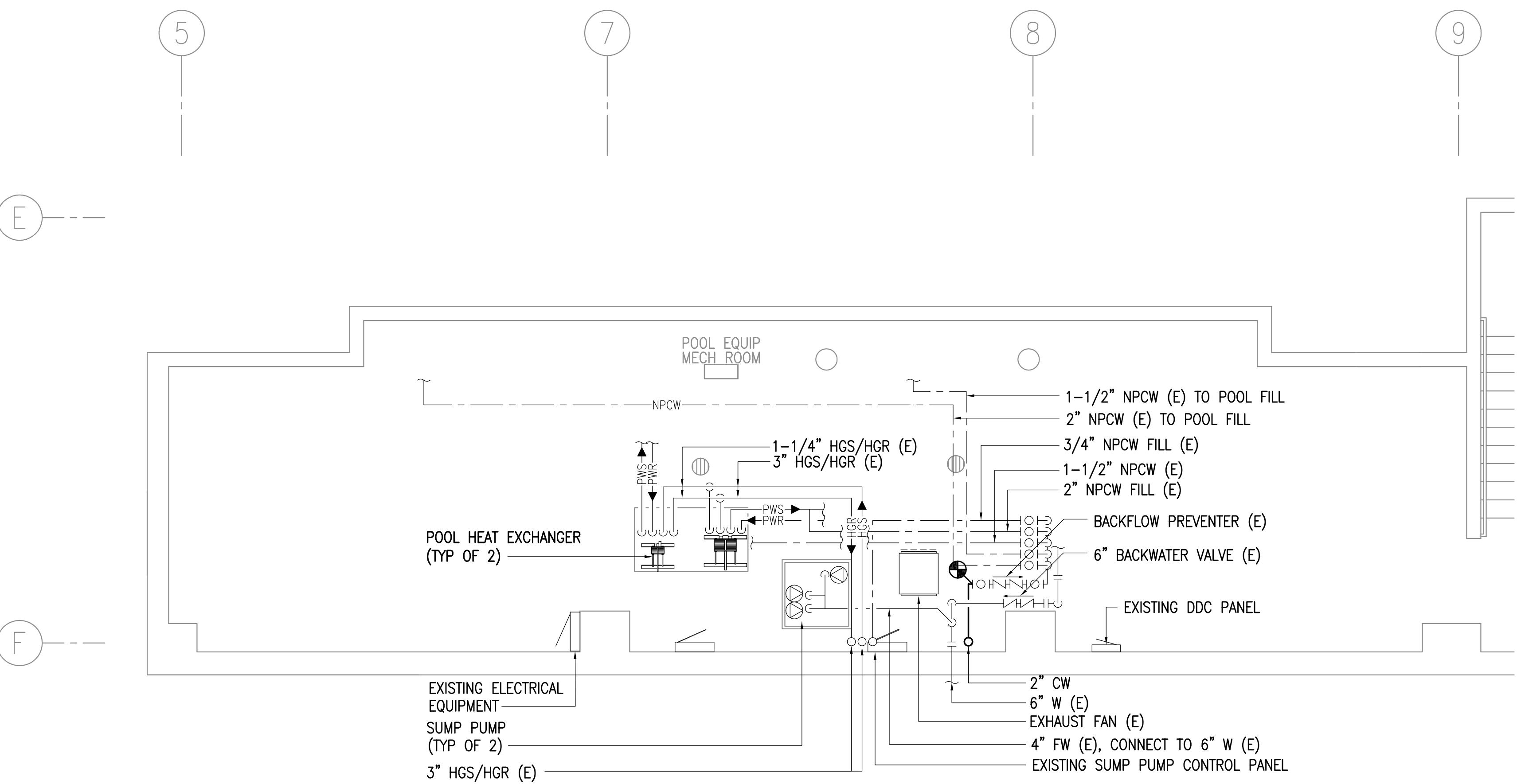
KEYPLAN  
NO SCALE



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Corporate No.: AECC542

**GENERAL NOTES:**

A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.



1 POOL EQUIPMENT ROOM DOMESTIC WATER PIPING REMODEL PLAN

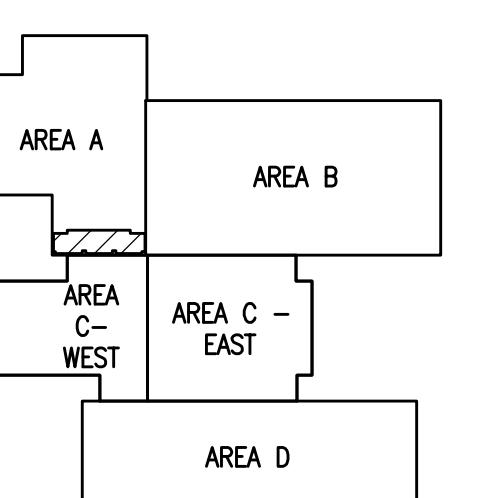
1/4"=1'-0"

**DOMESTIC WATER PIPING REPLACEMENT**  
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

REVISIONS:  
[Blank box]

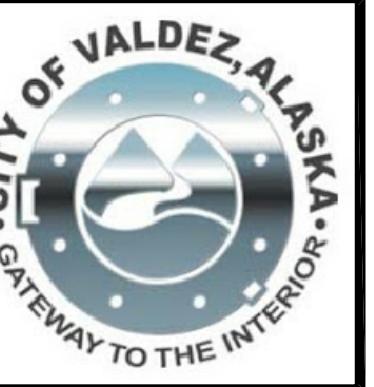
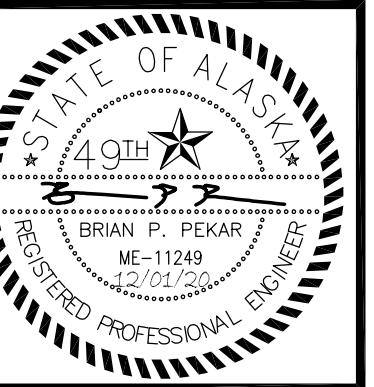
DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
POOL EQUIPMENT ROOM  
DOMESTIC WATER PIPING  
REMODEL PLAN



**KEYPLAN**  
NO SCALE

Sheet:  
**M302**



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**RSA**

**DOMESTIC WATER PIPING REPLACEMENT**

**VALDEZ HIGH SCHOOL**  
**319 ROBE RIVER DRIVE**  
**VALDEZ, ALASKA**

REVISIONS:

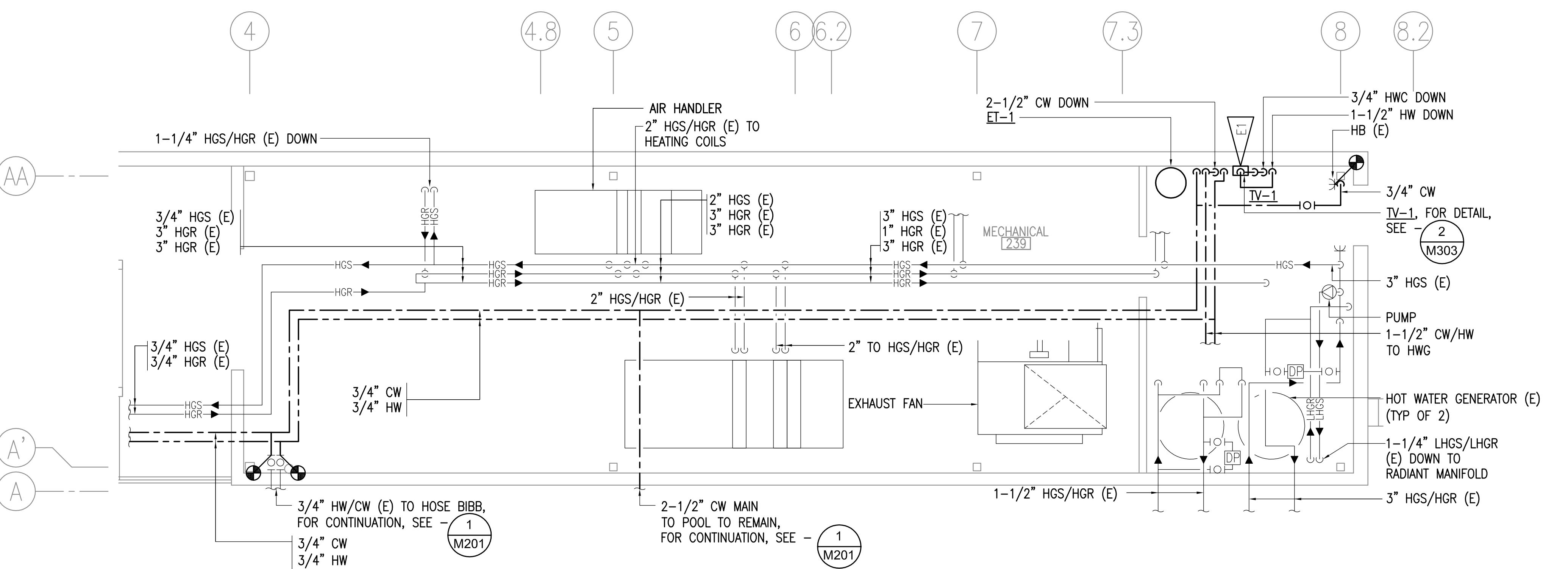
DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
POOL MECHANICAL ROOM  
PIPE REMODEL PLAN  
AND SCHEMATIC

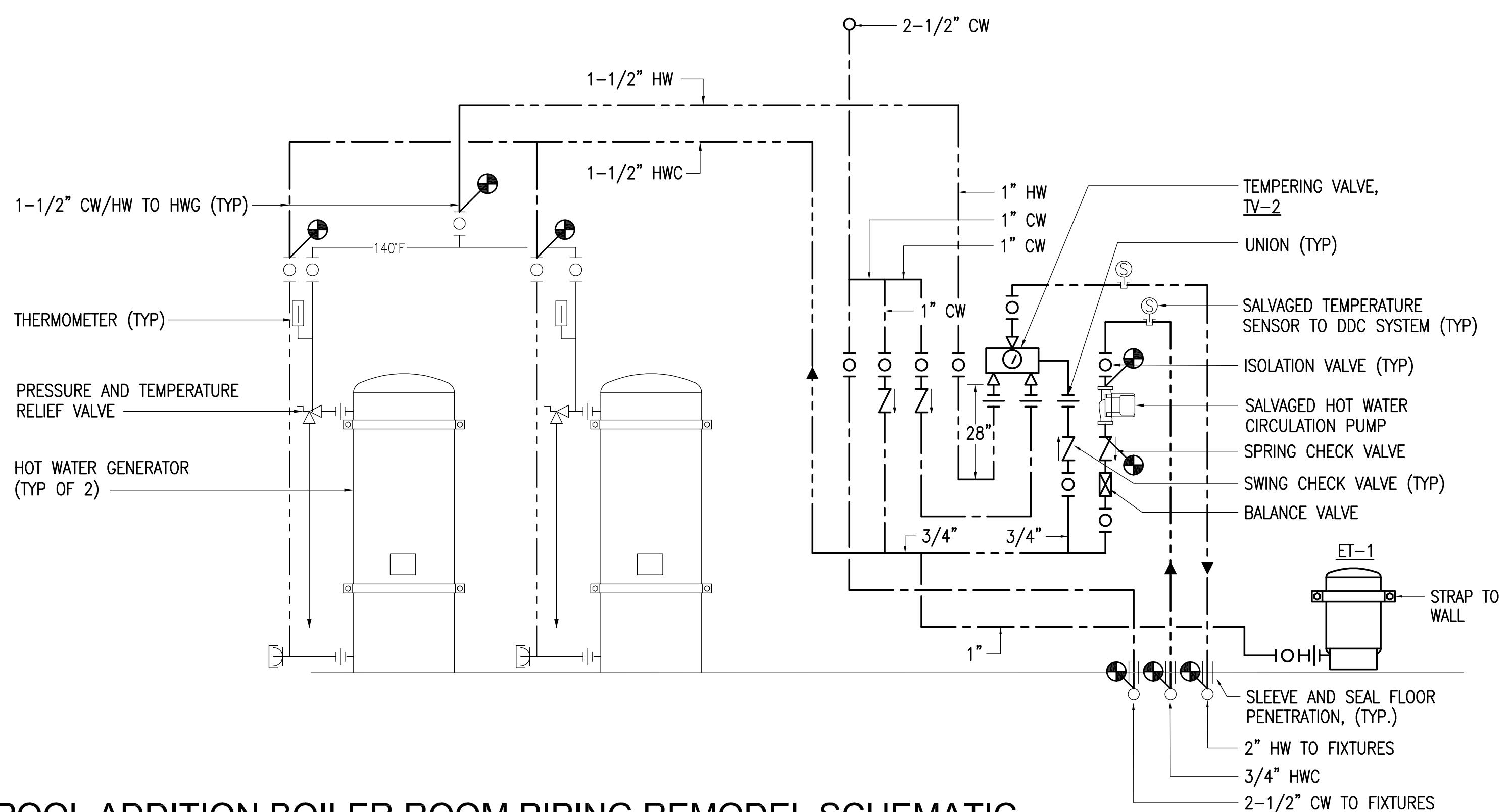
KEYPLAN  
NO SCALE

NO SCALE

**M303**



**1** ENLARGED POOL ADDITION MECHANICAL ROOM PIPING REMODEL PLAN  
1/4"=1'-0"



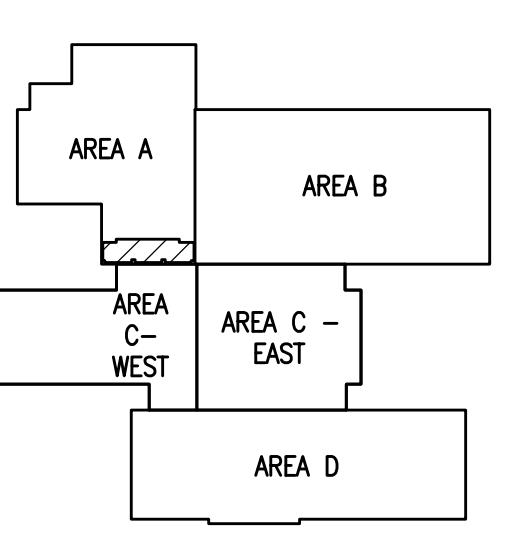
**2** POOL ADDITION BOILER ROOM PIPING REMODEL SCHEMATIC  
NO SCALE

**GENERAL NOTES:**

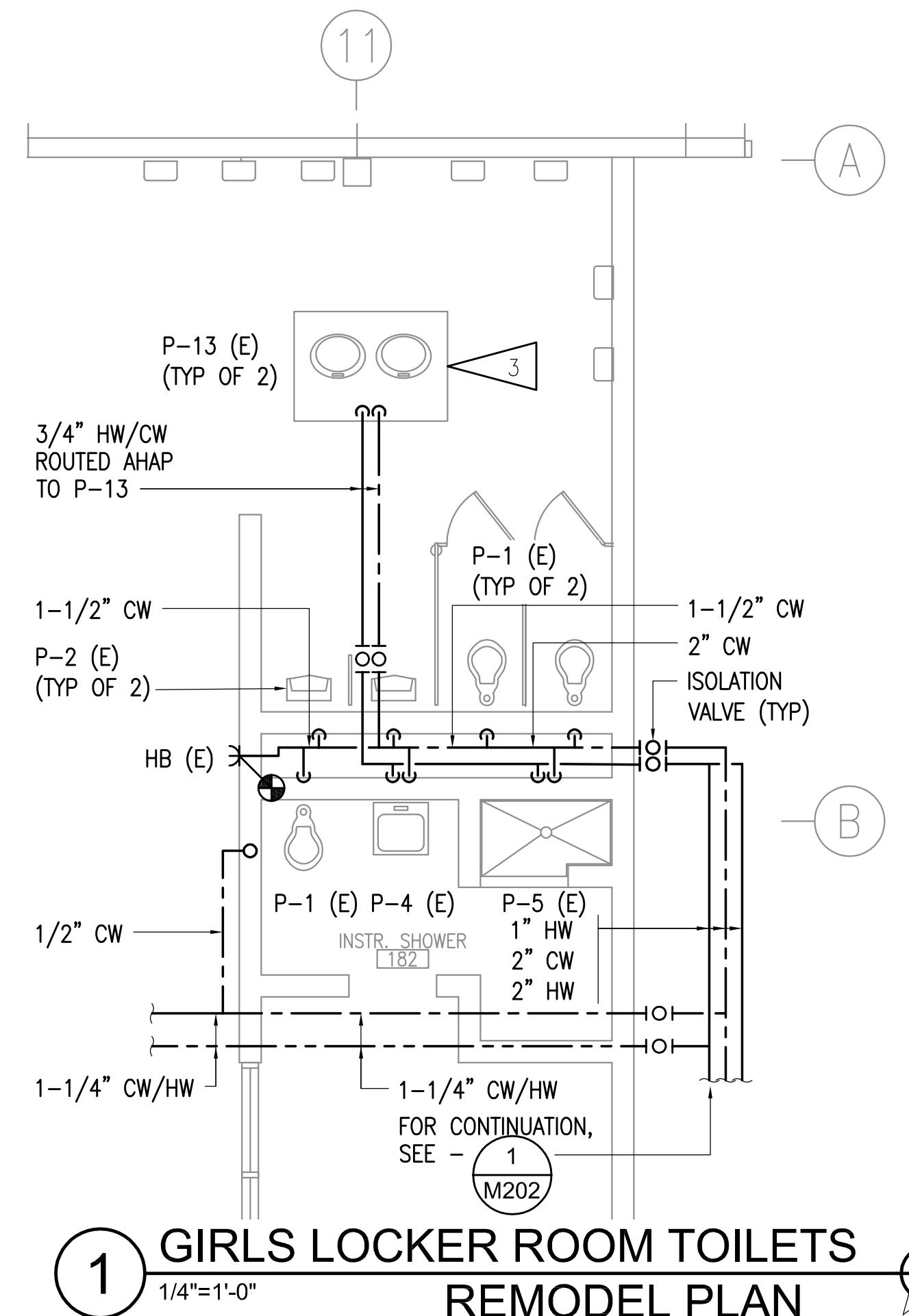
A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.

**ELECTRICAL SHEET NOTE:**

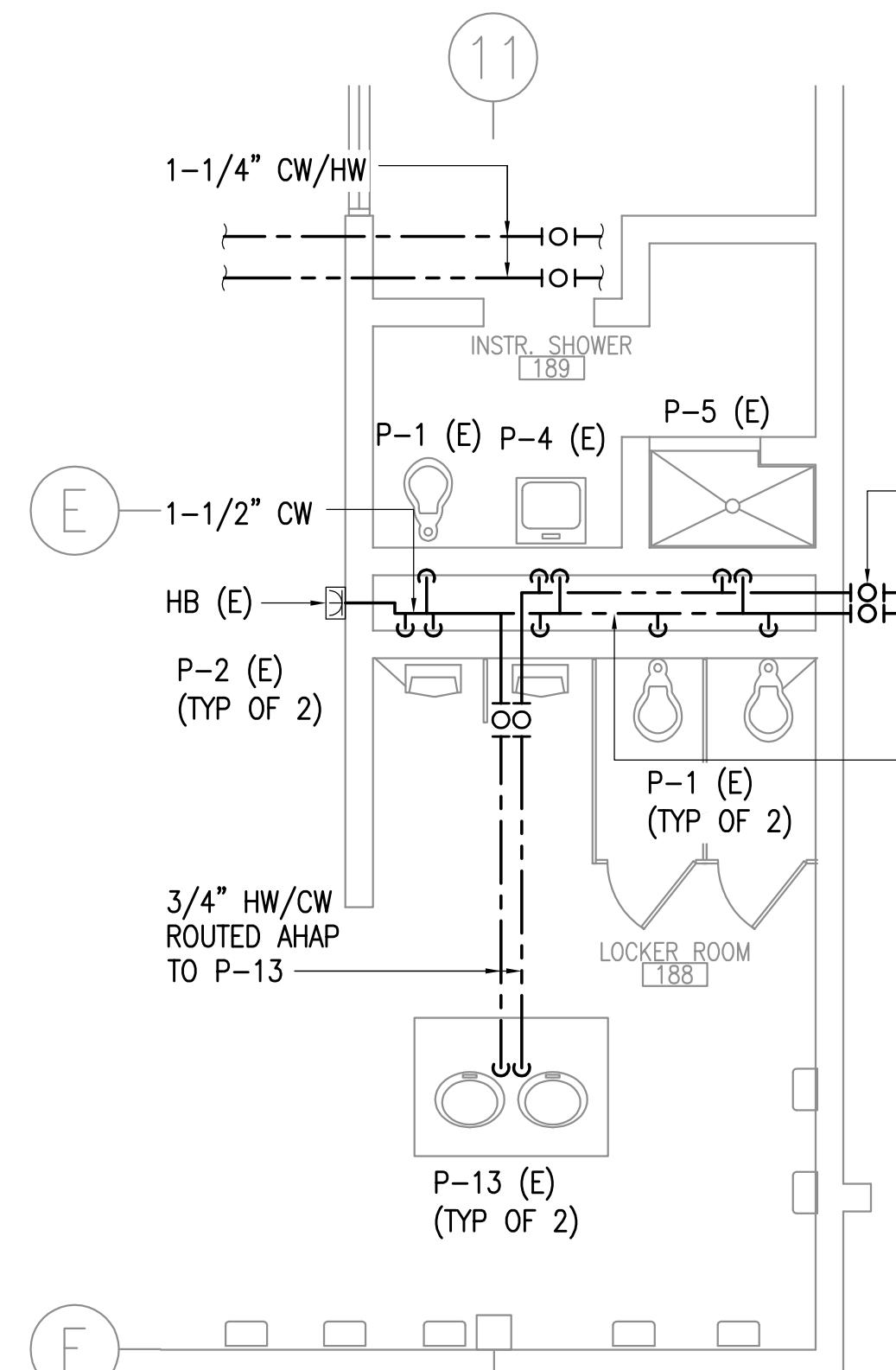
E1 PROVIDE 1/2" CONDUIT WITH 3#12 AWG COPPER TYPE XHHW CONDUCTORS AND CONNECT TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT. PROVIDE JUNCTION BOXES AS REQUIRED FOR A COMPLETE SYSTEM. UPDATE PANEL SCHEDULE TO REFLECT NEW TEMPERING VALVE LOAD(S).



**KEYPLAN**  
NO SCALE



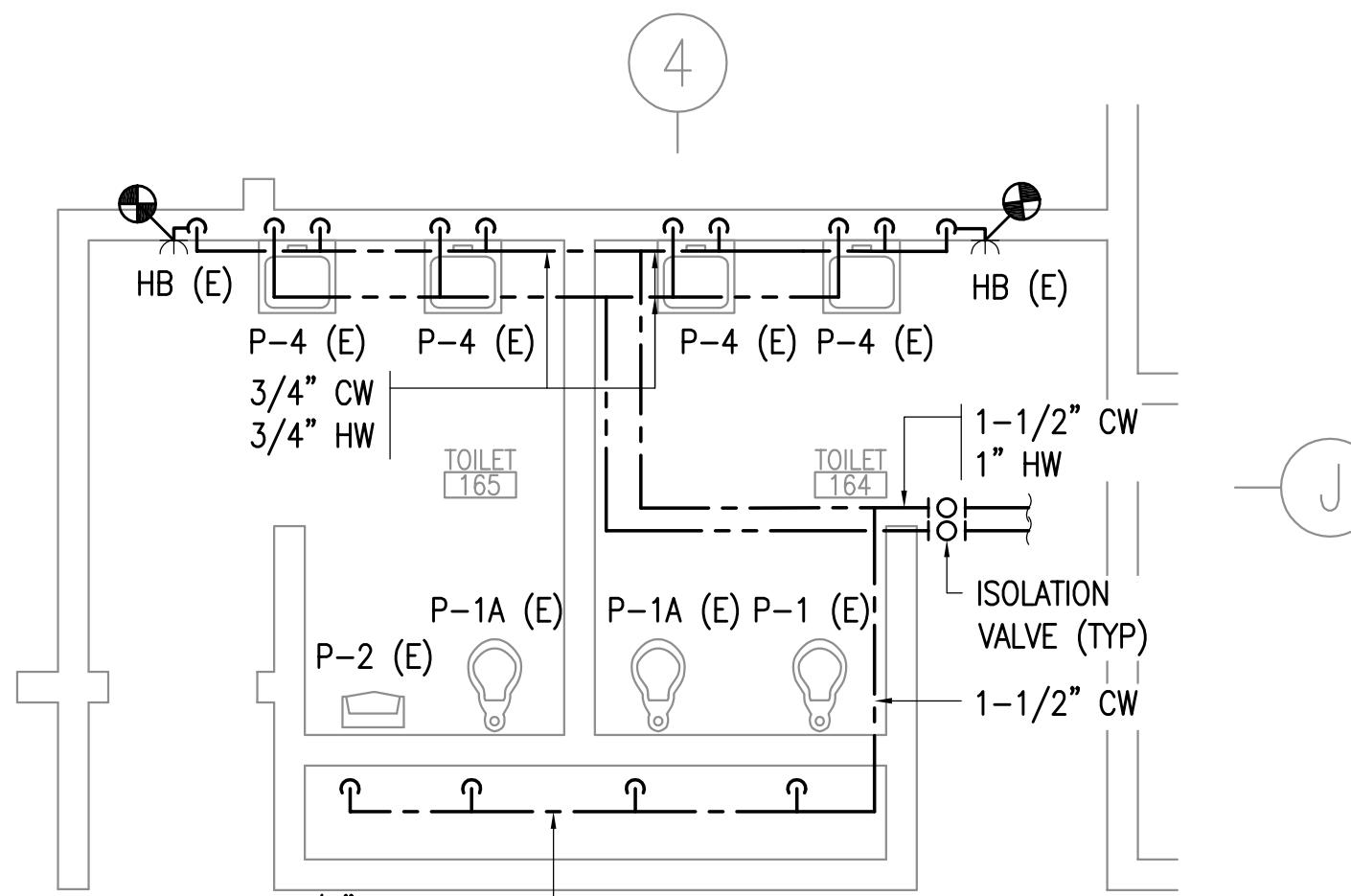
# GIRLS LOCKER ROOM TOILETS REMODEL PLAN



# BOYS LOCKER ROOM TOILETS

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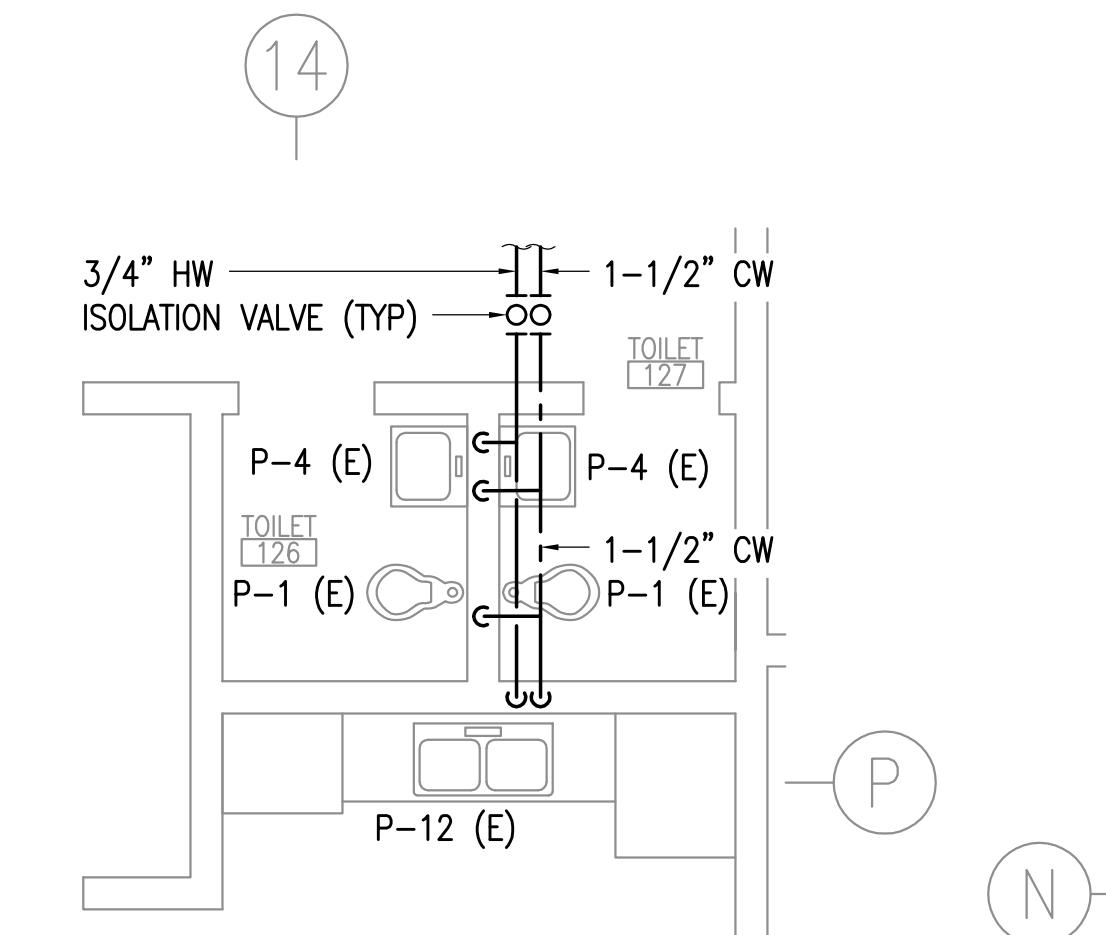
2 1/4"=1'-0" REMODEL PLAN



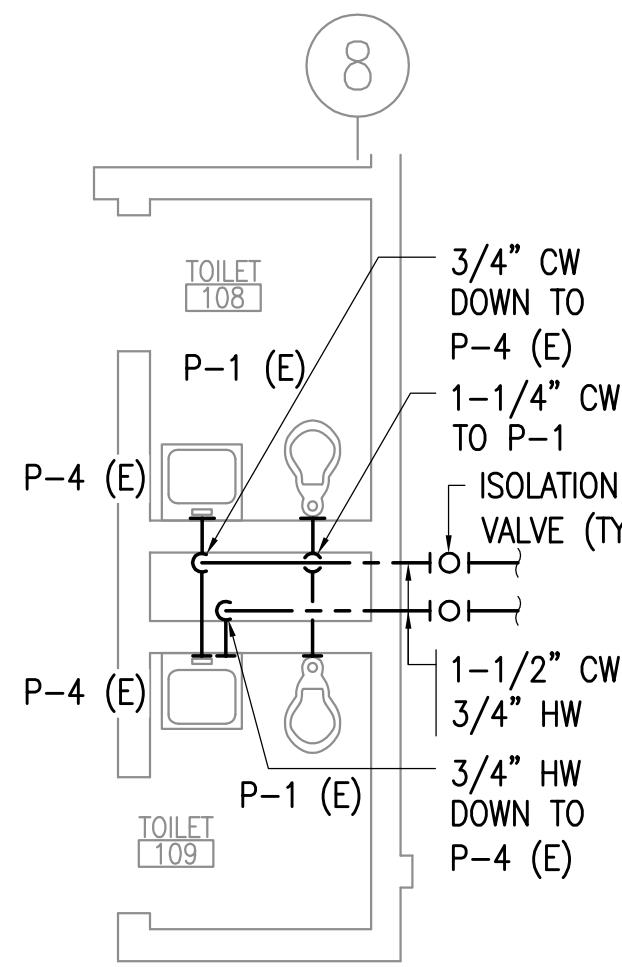
# TOILETS 164 AND 165

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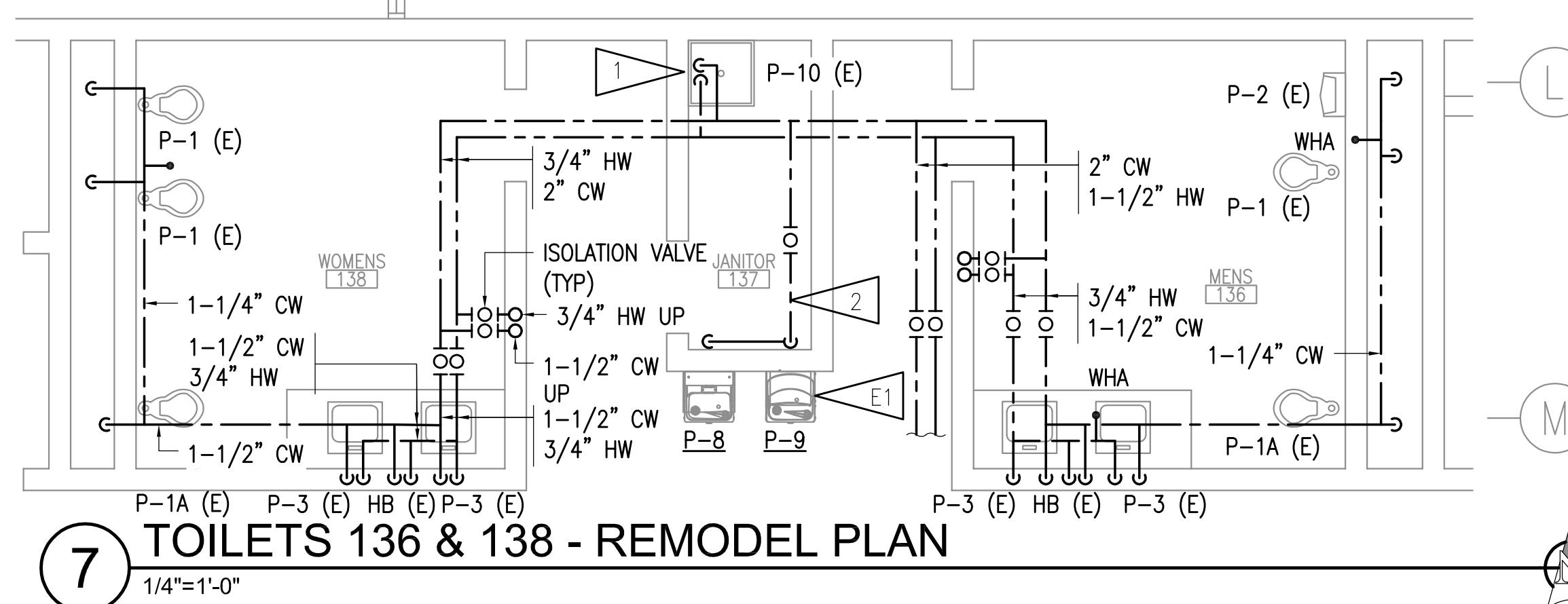
## 4 1/4"=1'-0" REMODEL PLAN



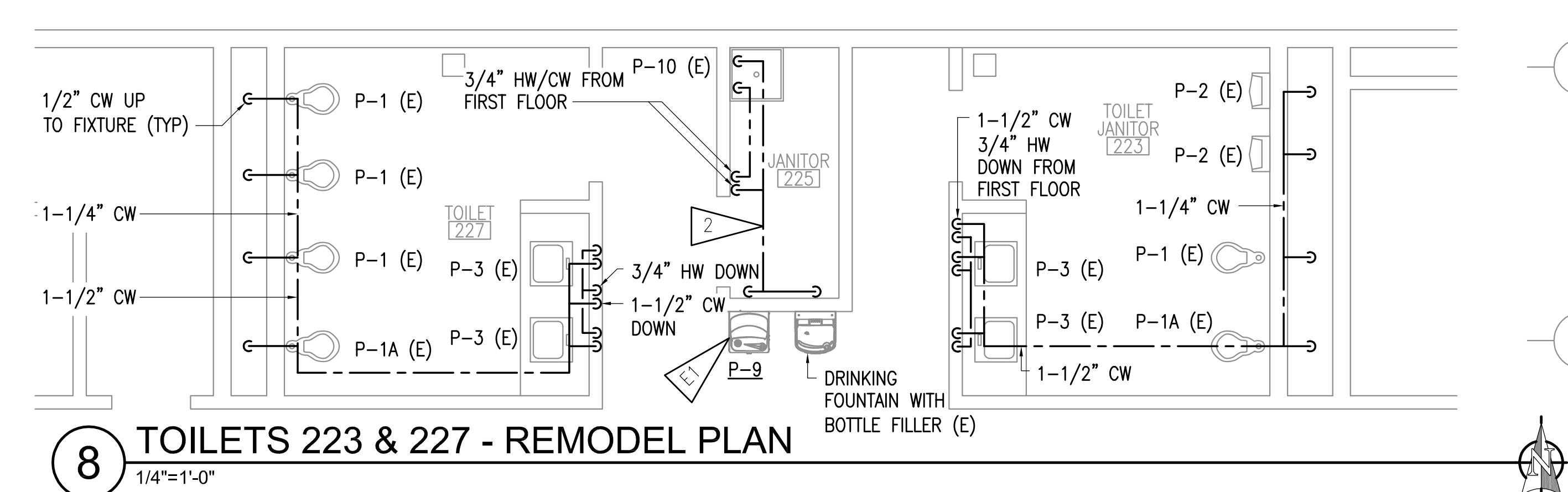
**5** TOILETS 126 & 127  
1/4"=1'-0" REMODEL PLAN



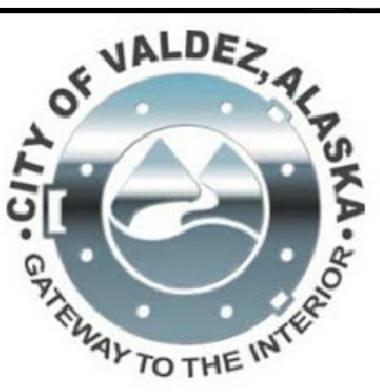
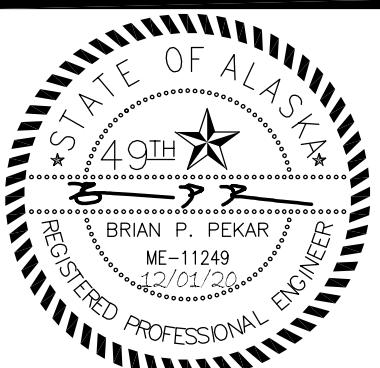
**6 TOILETS 108 & 109  
1/4"=1'-0" REMODEL PLAN**



P-1A (E) P-3 (E) HB (E) P-3 (E)  
**7** TOILETS 136 & 138 - REMODEL PLA  
1/4"=1'-0"



# TOILETS 223 & 227 - REMODEL PLAN



**RISA**

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**DOMESTIC WATER PIPING REPLACEMENT**

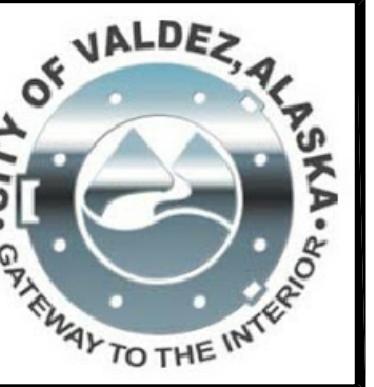
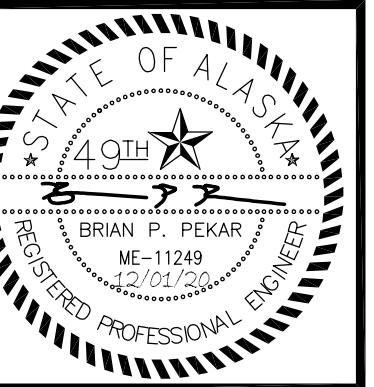
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## REVISIONS:

DRAWN BY: CAA  
CHECKED BY: BPP  
DATE: 12/01/2020  
JOB NUMBER: L9163  
DWG FILE: MSERIES

DRAWING TITLE:  
**ENLARGED PLANS -  
REMODEL**

SHEET: M304



## **GENERAL NOTES:**

PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.

NEW BRANCH PIPING TO BE INSTALLED WITH ISOLATION VALVES WITHIN 24" OF MAIN PIPING.

REINSTALL EXISTING FIXTURES USING SALVAGED FIXTURE TRIM AND APPURTENANCES TO THE EXTENT POSSIBLE. CONTRACTOR TO REPLACE VALVES AND APPURTENANCES DAMAGED DURING DEMOLITION.

PIPING ABOVE CEILING – IN ROOMS WITH SHEETROCK CEILINGS ACCESS PIPING THROUGH EXISTING LIGHT FIXTURES AND NEW OR EXISTING ACCESS PANELS TO THE EXTENT POSSIBLE.

PIPING IN WALLS – UNLESS NOTED OTHERWISE, NEW PIPING TO BE ROUTED FROM ABOVE IN WALL TO FIXTURE BELOW.

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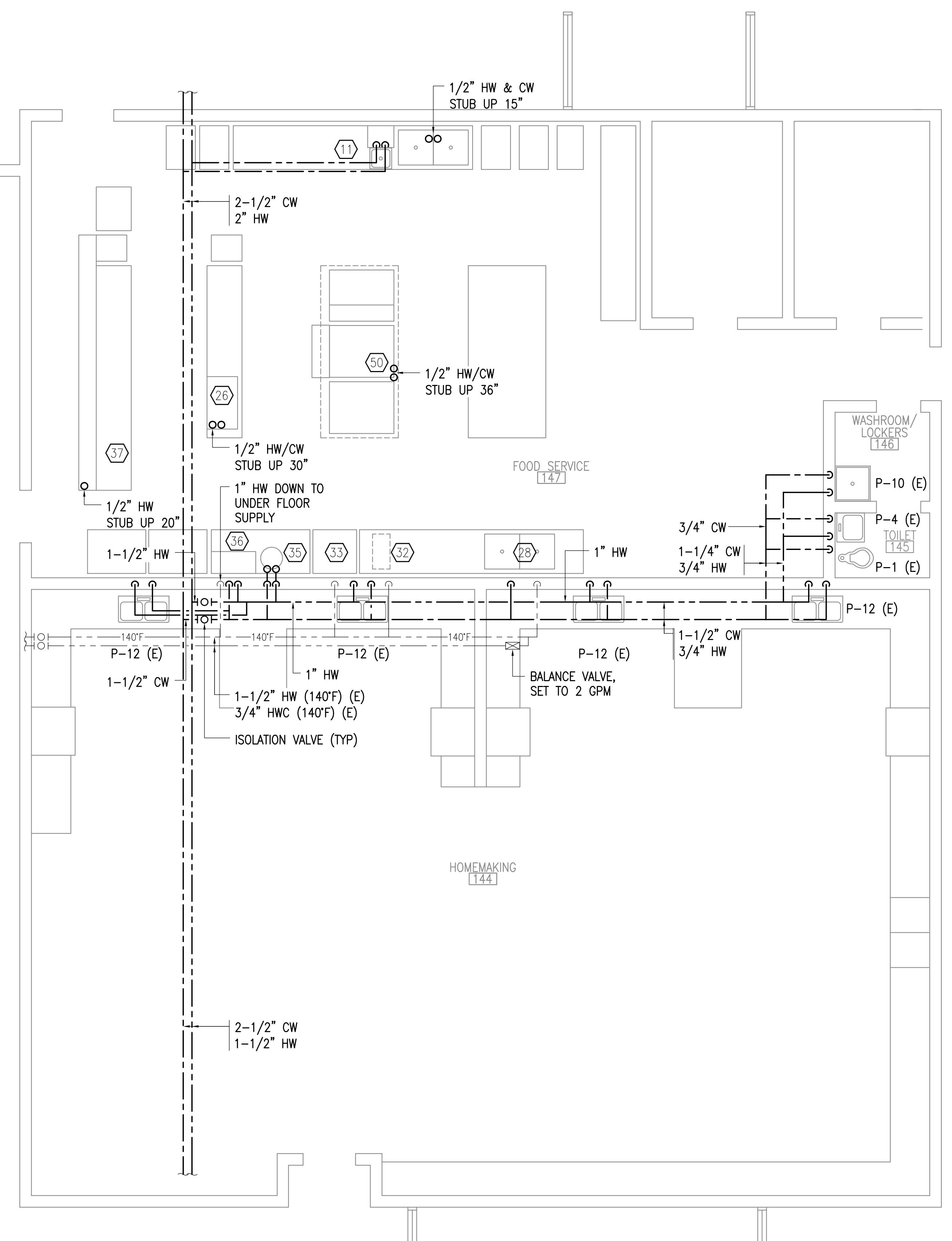
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

ONS:

BY: CAA  
ED BY: BPP  
12/01/2020  
NUMBER: L9163  
FILE: MSERIES

ING TITLE:  
**SERVICE AREA -  
DEL PLAN**

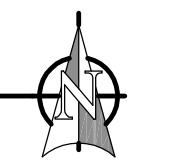
305



1 FOOD SERVICE AREA - REMODEL PLAN

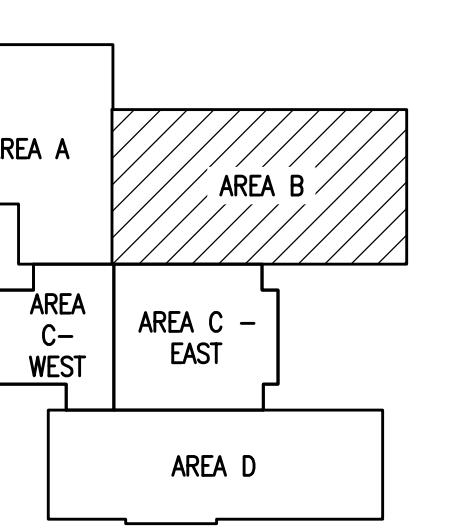
1/4"=1'-0"

1/4"=1'-0"



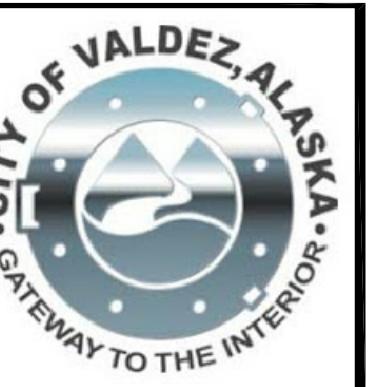
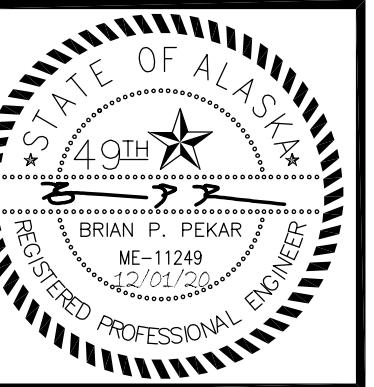
# KEYPLAN

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# KEYPLAN

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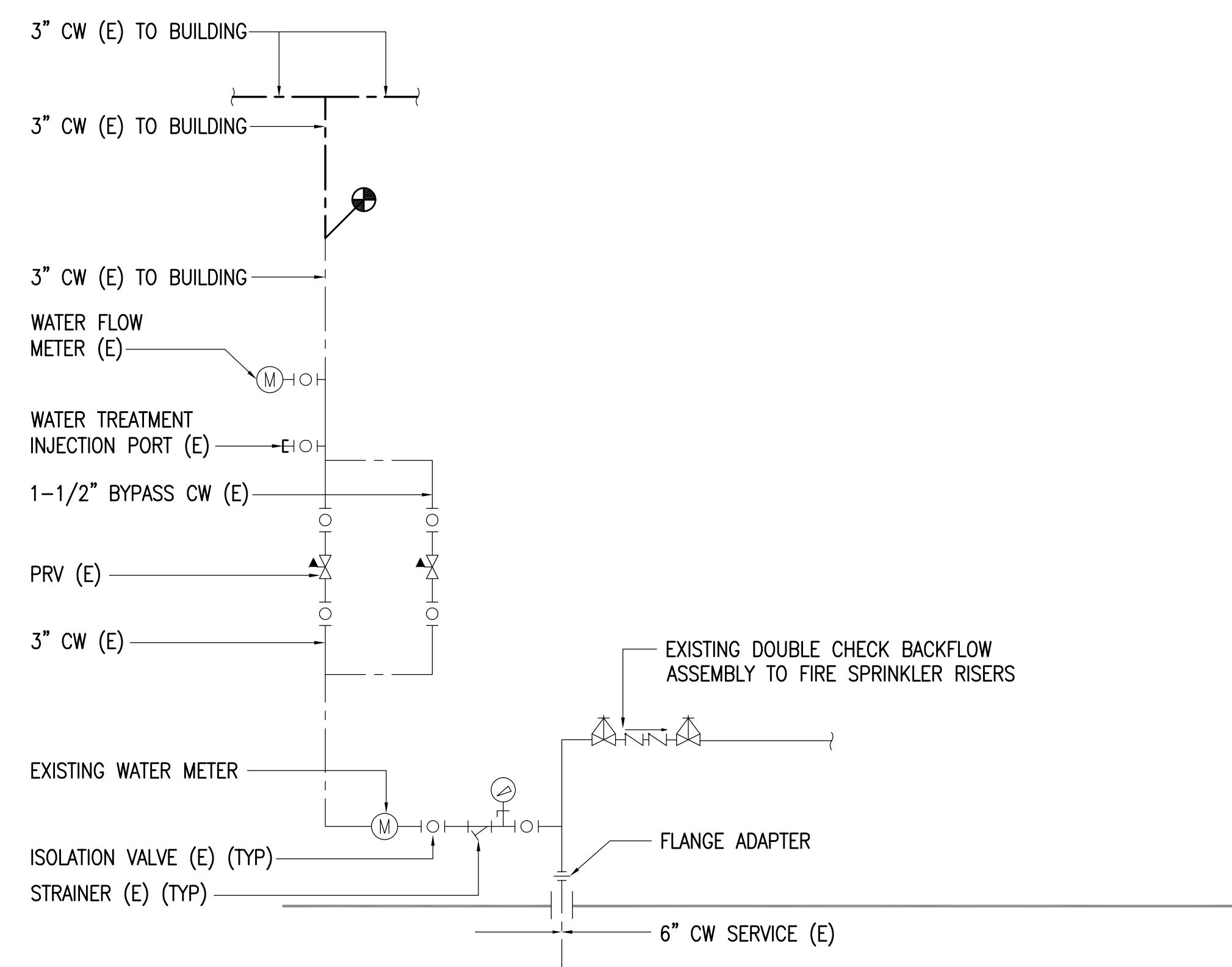
VALDEZ HIGH SCHOOL  
319 ROBE RIVER DRIVE  
VALDEZ, ALASKA

ONS:  
BY: CAA  
ED BY: BPP  
12/01/2020  
NUMBER: L9163  
FILE: MSERIES

ING TITLE:  
STATICS  
DEL

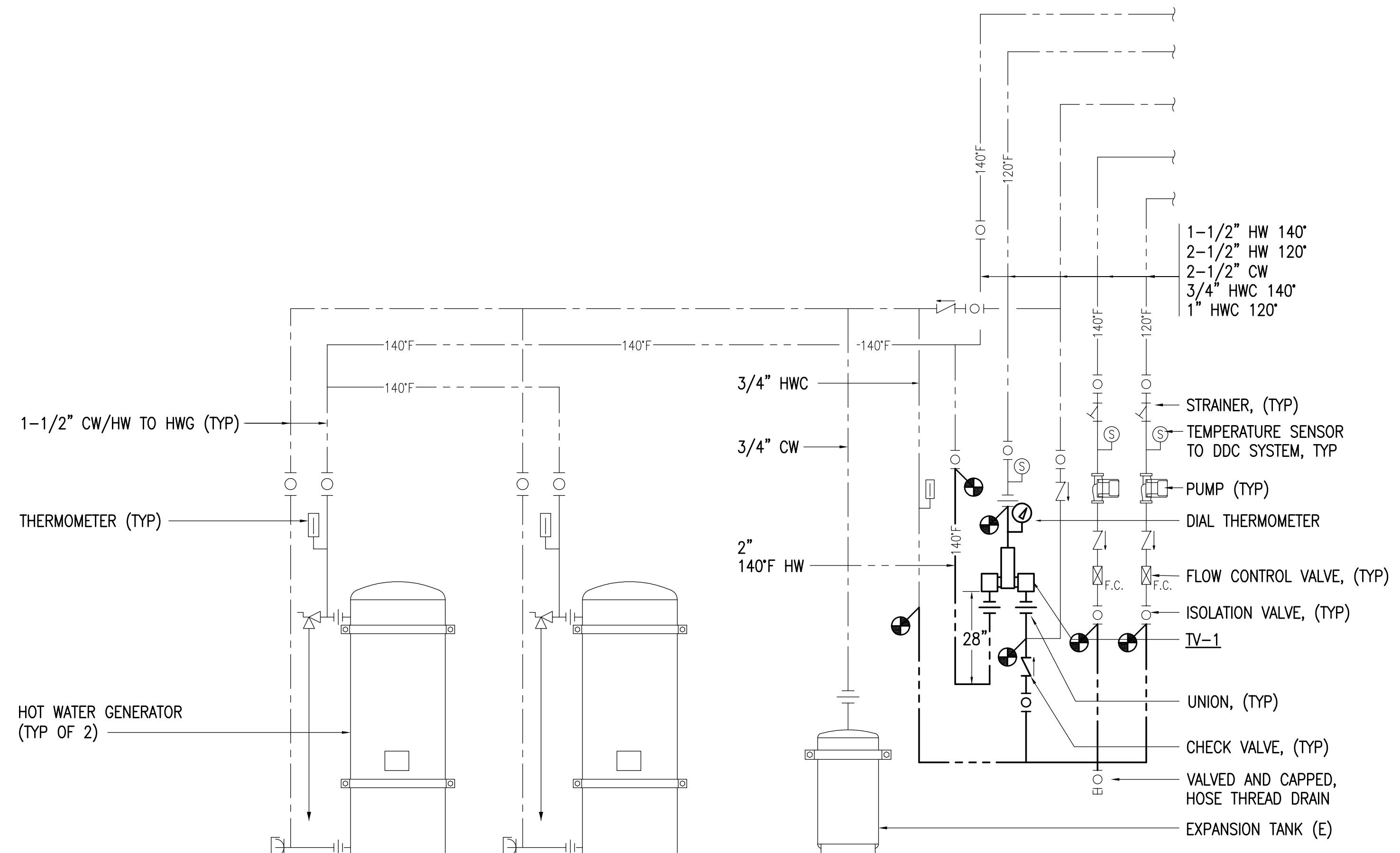
306

0"      1"      2"      3"



# 1 WATER SERVICE RISER REMODEL DIAGRAM

NO SCALE



2 BOILER ROOM DOMESTIC WATER PIPING REMODEL SCHEMATIC  
NO SCALE

## **GENERAL NOTES:**

A. PIPE ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY NEW PIPE ROUTING.

SHEET:  
**M306**