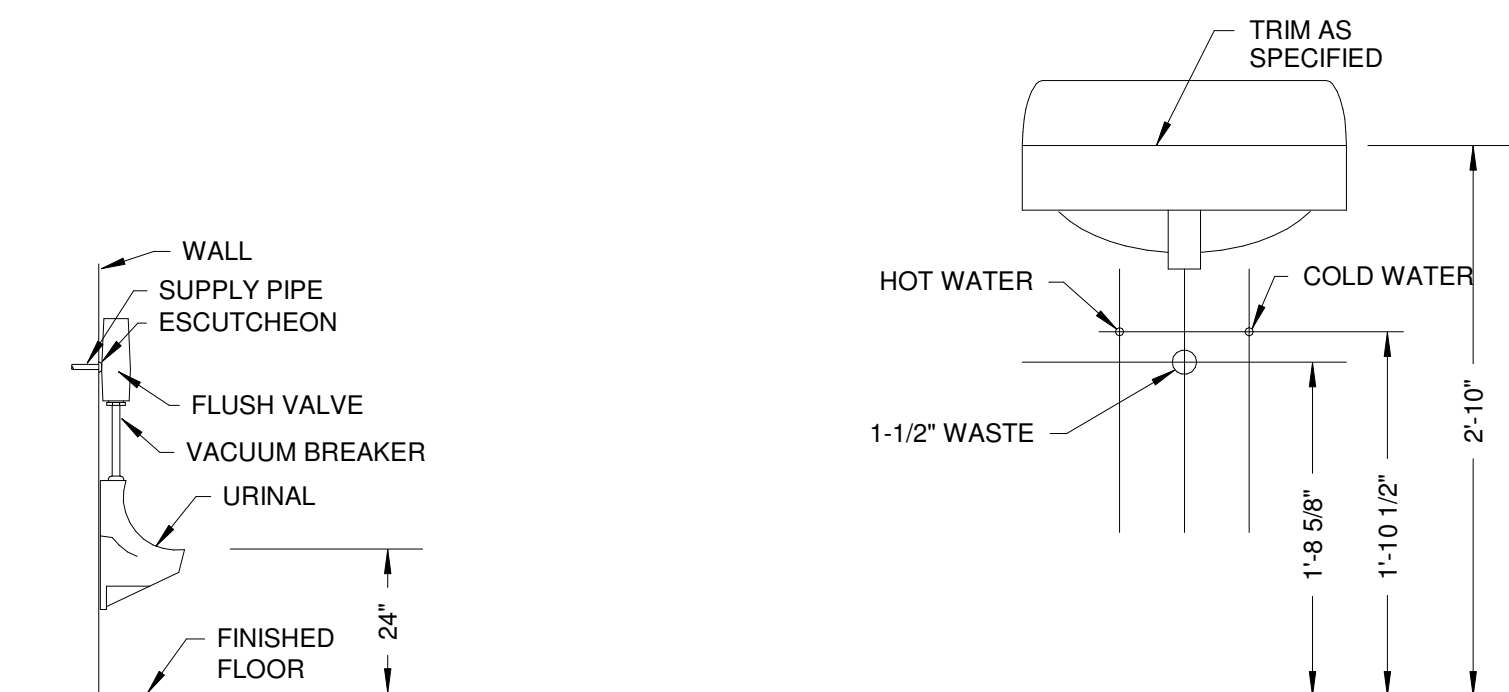


**A** ADULT ADA WATER CLOSET (WC-1) DETAIL  
SCALE: NONE

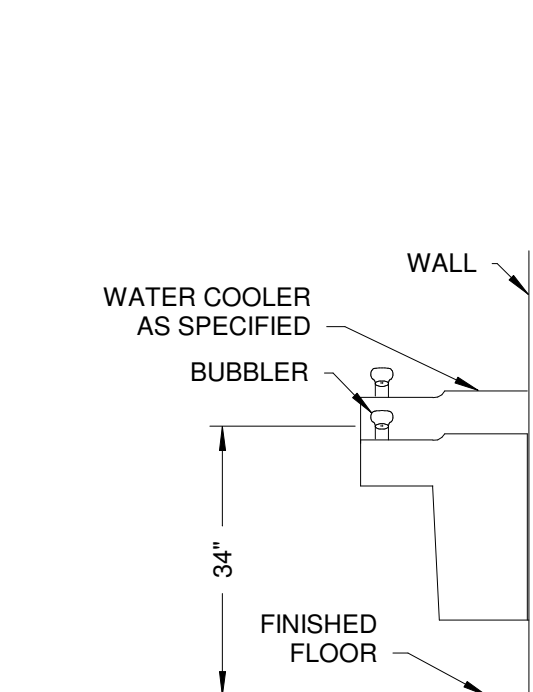
**B** STANDARD WATER CLOSET (WC-2) DETAIL  
SCALE: NONE

**C** ADA URINAL (U-1) DETAIL  
SCALE: NO SCALE

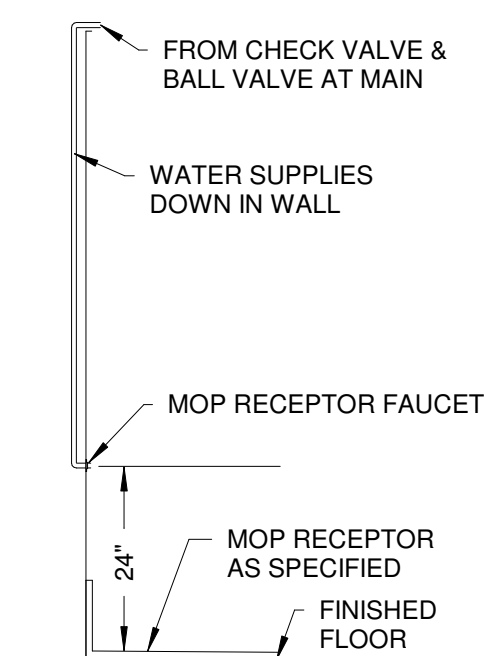


**D** STANDARD URINAL (U-2) DETAIL  
SCALE: NO SCALE

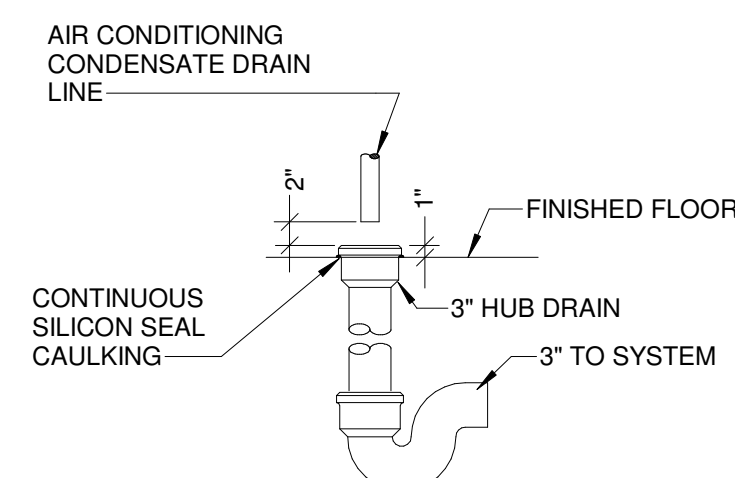
**E** WALL HUNG ADA LAVATORY (L-1) DETAIL  
SCALE: NONE



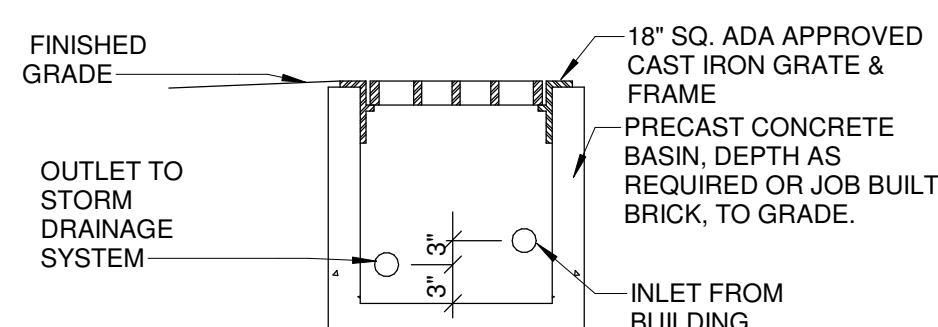
**F** DUAL HEIGHT EWC (EWC-1) DETAIL  
SCALE: NONE



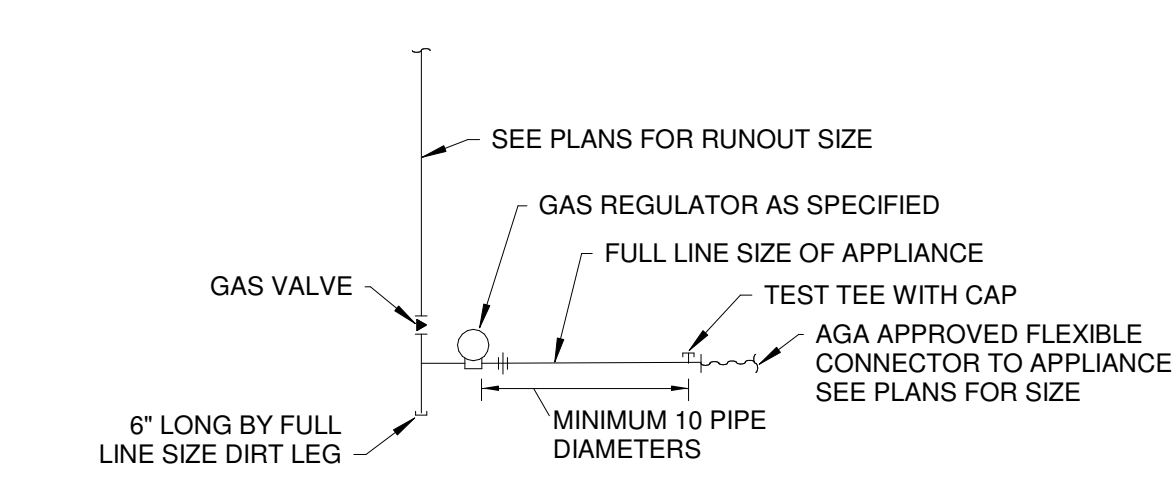
**G** MOP RECEPTOR (MR-1) DETAIL  
SCALE: NONE



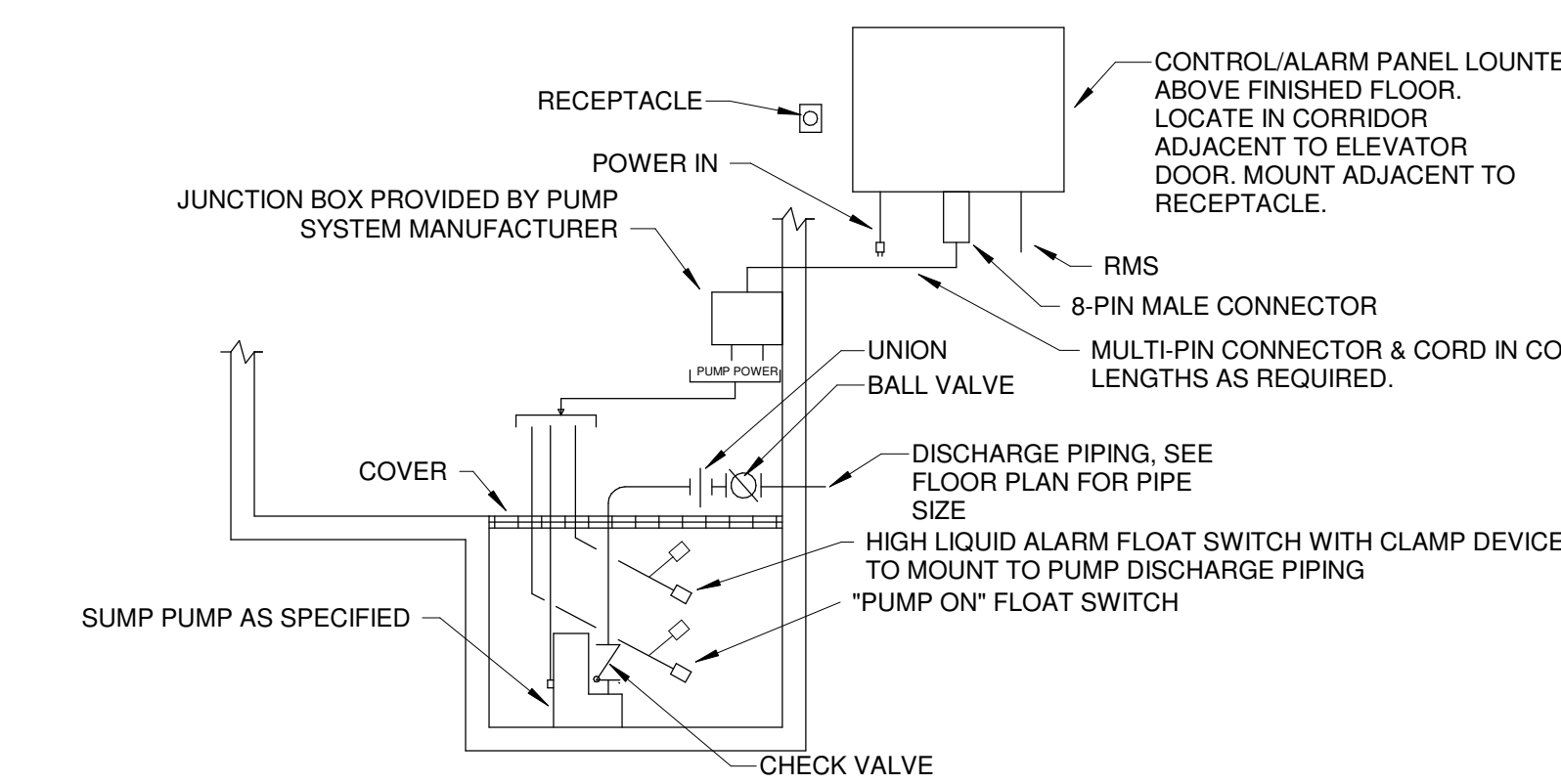
**H** HUB DRAIN (HD-1) DETAIL  
SCALE: NONE



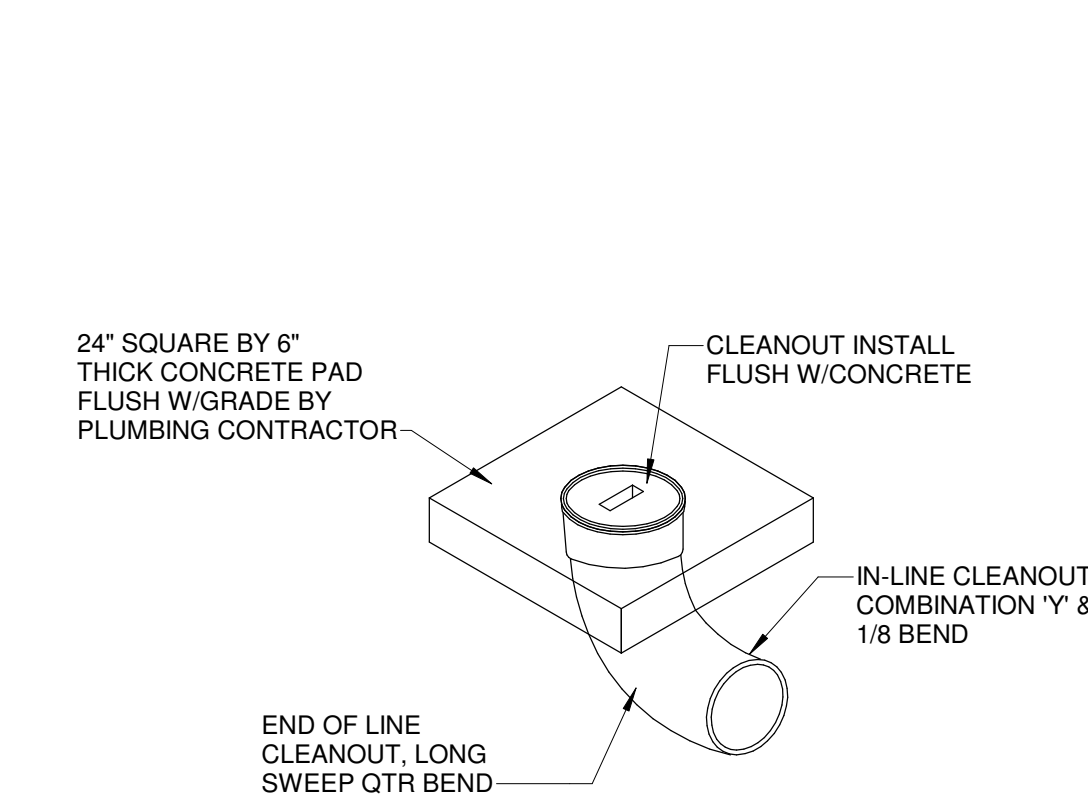
**J** CONDENSATE RELIEF BASIN  
SCALE: NONE



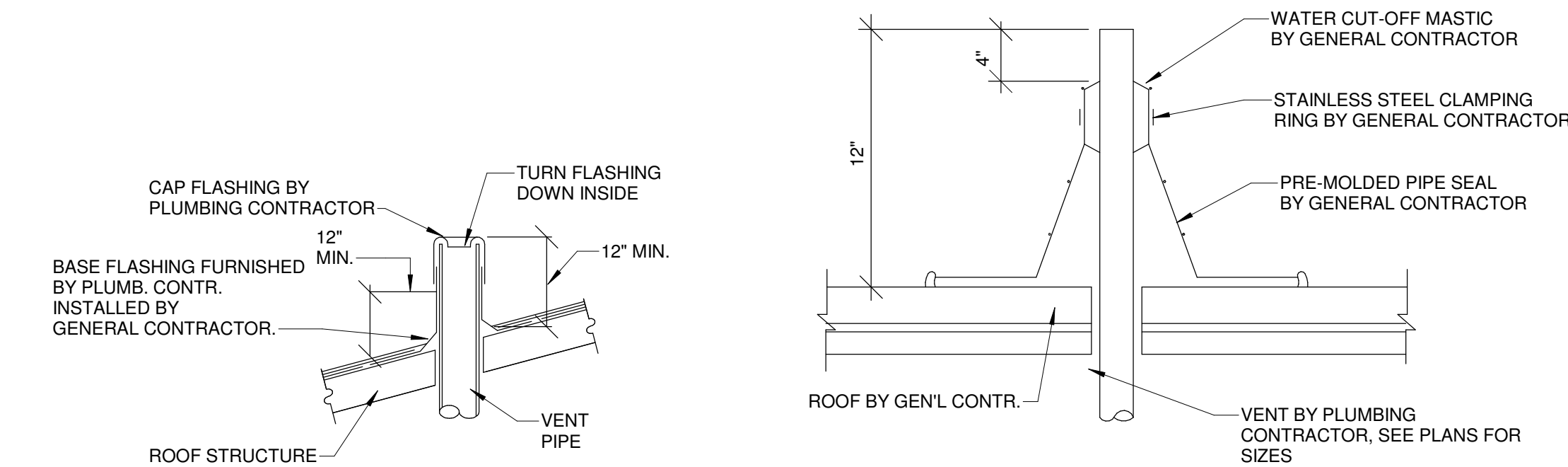
**K** TYPICAL GAS PIPING CONNECTION  
SCALE: NO SCALE



**L** ELEVATOR SUMP PUMP PIPING & WIRING SCHEMATIC  
SCALE: NONE

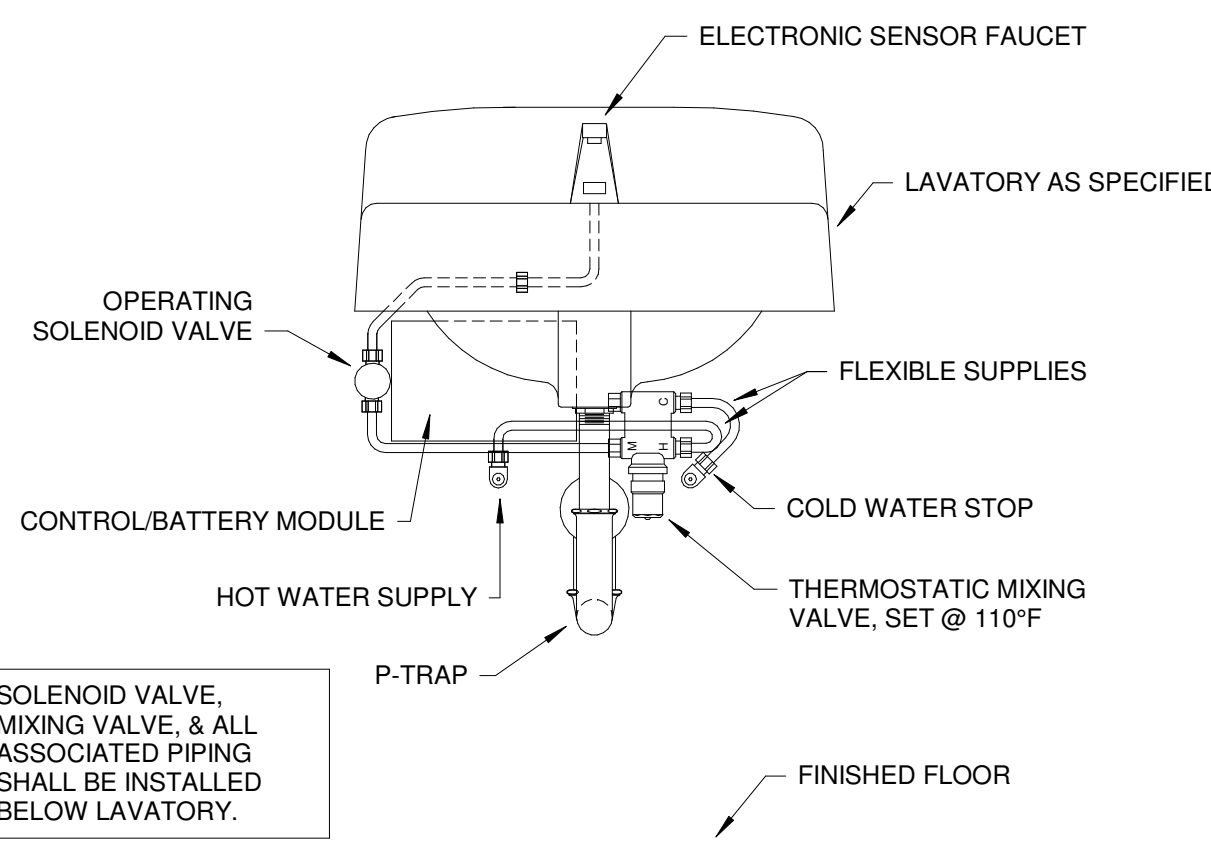


**M** EXTERIOR CLEANOUT DETAIL  
SCALE: NONE



**P** VENT THRU ROOF DETAIL  
SCALE: NONE

**Q** VENT THRU ROOF DETAIL  
SCALE: NONE



**R** SENSOR LAVATORY FAUCET (L-1, L-2) PIPING DIAGRAM  
SCALE: NO SCALE

PLUMBING FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	ROUGH-IN SIZES			REMARKS	
		WASTE	C.W.	H.W.		
WC-1	WATER CLOSET - WALL HUNG	4"	1-1/4"	-	ADA HEIGHT/DETAIL A/P1-001	
WC-2	WATER CLOSET - WALL HUNG	4"	1-1/4"	-	STANDARD/DETAIL B/P1-001	
WC-3	WATER CLOSET - FLOOR MOUNTED	4"	1-1/4"	-	ADA HEIGHT/DETAIL H/P1-002	
U-1	URINAL	2"	3/4"	-	ADA HEIGHT/DETAIL C/P1-001	
U-2	URINAL	2"	3/4"	-	STANDARD/DETAIL D/P1-001	
L-1	LAVATORY	1-1/2"	1/2"	1/2"	ADA HEIGHT/DETAIL E&R/P1-001	
L-2	COUNTERTOP LAVATORY	1-1/2"	1/2"	1/2"	DETAIL R/P1-001	
EWC-1	ELECTRIC WATER COOLER	1-1/2"	1/2"	-	DUAL HEIGHT/BOTTLE FILLER/DET. F/P1-001	
MR-1	MOP RECEPTOR	3"	1/2"	1/2"	DETAIL G/P1-001	
HB-1	HOSE BIBB	-	1/2"	-	MOUNT 12" AFF	
HB-2	HOSE BIBB IN BOX	-	1/2"	-	MOUNT 12" AFF	
HB-3	WALL HYDRANT	-	3/4"	-	MOUNT 24" AFG	
FD-1	FLOOR DRAIN	3"	-	-		
FD-2	FLOOR DRAIN	4"	-	-		
HD-1	HUB DRAIN	3"	-	-	DETAIL H/P1-001	
FS-1	FLOOR SINK	4"	-	-	FULL GRATE	

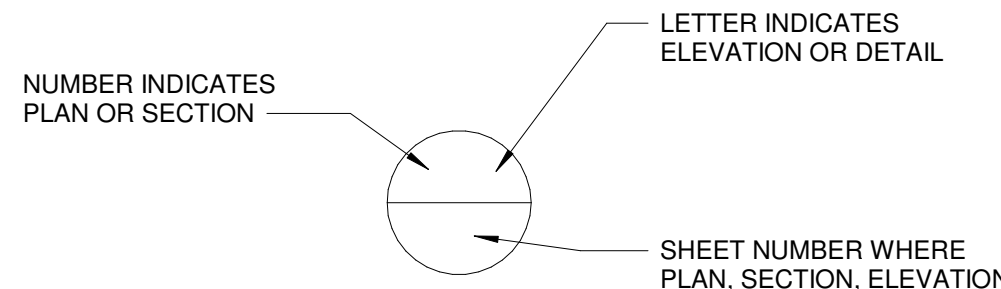
WATER HEATER SCHEDULE									
SYMBOL	DESCRIPTION	ROUGH-IN SIZES		TEMP. SETTING	STORAGE CAPACITY	RECOVERY	FUEL	LOAD	LOAD
		C.W.	H.W.						
WH-1	TANK TYPE ELECTRIC WATER HEATER	3/4"	3/4"	140°F	40 GAL.	41 GPH	ELECTRIC	10 kw, 480 V, 3Ø	JANITOR 55
WH-3	TANK TYPE ELECTRIC WATER HEATER	"	"	140°F	GAL.	GPH	ELECTRIC	kw, V, Ø	ZONE 1

CIRCULATOR PUMP SCHEDULE						
SYMBOL	GPM	THD	ELECTRICAL		LOCATION	CONTROL
			HP	VOLTAGE		
CP-1	1	6	1/40	115 V., 1Ø	JANITOR 55	H.W. RETURN

GAS REGULATOR SCHEDULE						
SYMBOL	LOCATION	SERVING	CAPACITY		REMARKS	
			CFH	INLET PRESSURE		
REG 1	MECHANICAL 107	EXISTING BOILER #1	3400-3450*	2 PSIG	7" W.C.	LIMITED VENTING
REG 2	MECHANICAL 107	EXISTING BOILER #2	3400-3450*	2 PSIG	7" W.C.	LIMITED VENTING
REG 3	BOILER PLANT	BOILER #3	2500	2 PSIG	7" W.C.	LIMITED VENTING
REG 4	BOILER PLANT	BOILER #4	2500	2 PSIG	7" W.C.	LIMITED VENTING
REG 5	BOILER PLANT	BOILER #5	2500	2 PSIG	7" W.C.	LIMITED VENTING
REG 6	MECHANICAL 107	EXISTING WATER HEATER	200	2 PSIG	7" W.C.	LIMITED VENTING
REG 7	MECHANICAL 107	EXISTING WATER HEATER	200	2 PSIG	7" W.C.	LIMITED VENTING

\* REGULATOR TO BE REUSED IN SCHEDULE 2 FOR NEW EQUIPMENT. SIZE REGULATOR TO ACCOMMODATE EXISTING AND FUTURE EQUIPMENT AS INDICATED BY CFH

LEGEND	
EXW	PIPING TO BE REMOVED (LINE TYPE & NOTES INDICATE SYSTEM)
EXV	EXISTING WASTE PIPING
EXC	EXISTING VENT PIPING
EXRDL	EXISTING CONDENSATE PIPING
EXCW	EXISTING ROOF DRAIN LEADER
EXHW	EXISTING COLD WATER PIPING
EXHWR	EXISTING HOT WATER PIPING
EXG	EXISTING NATURAL GAS PIPING
W	WASTE PIPING
GW	GREASE WASTE PIPING
V	VENT PIPING
GV	GREASE WASTE VENT PIPING
C	CONDENSATE PIPING
RDL	ROOF DRAIN LEADER
CW	COLD WATER PIPING
HW	HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
G	NATURAL GAS PIPING
	BALL/BUTTERFLY VALVE
	BALANCING VALVE
	CHECK VALVE
	GAS VALVE
	SOLENOID VALVE
	VALVE IN RISE
	PIPE ELBOW TURNED DOWN
	PIPE ELBOW TURNED UP
	PIPE TEE TURNED DOWN
	PIPE TEE TURNED UP
	UNION
	STRAINER
	DOUBLE CHECK VALVE BACKFLOW PREVENTER
	REDUCED PRESSURE BACKFLOW PREVENTER
	SHOCK ARRESTER, 'A' INDICATES PLUMBING DRAINAGE INSTITUTE STANDARD SIZE
	ASME PRESSURE TEMPERATURE RELIEF VALVE
	VENT THRU ROOF
	GREASE VENT THRU ROOF
	CLEANOUT
	EXTERIOR CLEANOUT
	WALL CLEANOUT
	FLOOR CLEANOUT
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	ABOVE FINISHED FLOOR
	BELOW FINISHED FLOOR
	ABOVE FINISHED GRADE
	BELOW FINISHED GRADE
	INVERT ELEVATION
	CONNECT NEW TO EXISTING
	EXISTING HOSE BIBB OR WALL HYDRANT
	EXISTING FLOOR CLEAN OUT
	EXISTING EXTERIOR CLEAN OUT
	EXISTING WALL CLEAN OUT
	EXISTING FLOOR DRAIN
	EXISTING HUB DRAIN
	4 HOUR FIRE WALL
	2 HOUR FIRE WALL
	1 HOUR FIRE WALL
	UNRATED SMOKE PARTITION



## GENERAL NOTES:

1. EXISTING INFORMATION IS BASED ON A FIELD SURVEY AND EXISTING PLANS. SOME INFORMATION PRESENTED IS ESTIMATED OR ASSUMED BASED ON EXPERIENCE. CONTRACTOR SHALL FIELD VERIFY CONDITIONS DURING THE COURSE OF WORK AND ALERT THE ARCHITECT AND/OR ENGINEER OF DIFFERENCES BETWEEN FIELD CONDITIONS AND THE DRAWINGS THAT WILL PREVENT ANY PORTIONS OF THE PLUMBING SCOPE OF WORK FROM BEING INSTALLED AS DESIGNED.

TOTAL CONNECTED LOAD	
WASTE FIXTURE UNITS =	394.5 F.U.
GREASE WASTE FIXTURE UNITS =	FUTURE
TOTAL WASTE FIXTURE UNITS =	394.5 F.U.
COLD WATER DEMAND =	208 GPM
HOT WATER DEMAND =	48 GPM
GAS LOADS	
BUILDING HEATING DEMAND =	17,260 CFH
WATER HEATING DEMAND =	400 CFH
TOTAL CONNECTED LOAD =	17,660 CFH

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

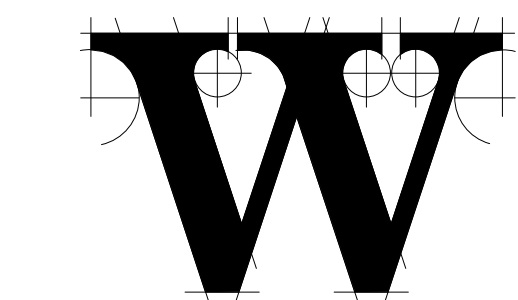


## TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport  
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JOB # 19005



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CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS

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REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

## PLUMBING LEGEND, SCHEDULES, & DETAILS

SHEET NUMBER

P1-001



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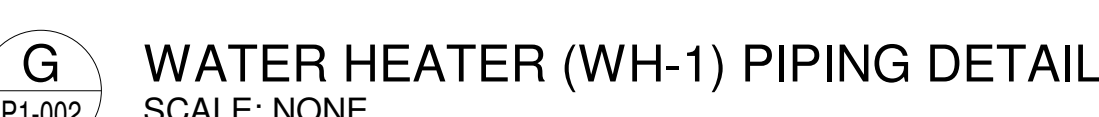
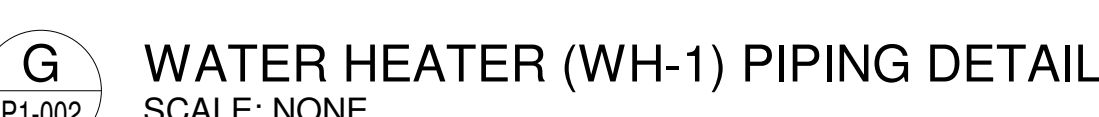
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## REVISIONS

## PLUMBING DETAILS

SHEET NUMBER

P1-002



**FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:**

- **SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.**
- **SEE BAGGAGE HANDLING SYSTEM PLANS B- SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION**
- **COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.**





- KEYED NOTES: (THIS SHEET ONLY)
- 1 REMOVE EXISTING SANITARY WASTE SERVING TENANT SPACE ABOVE TO CLEANOUT AT BASE OF RISER AND CAP. SEE DRAWING PD1-121 FOR CONTINUATION.
  - 2 REMOVE EXISTING NATURAL GAS PIPING SERVING TENANT SPACE BACK TO EXTERIOR WALL OF MECHANICAL ROOM AND CAP. SEE DRAWING PD1-121 FOR CONTINUATION.
  - 3 EXISTING COLD WATER PIPING UP TO CHASE TO REMAIN. SEE DRAWING PD1-121 FOR CONTINUATION.
  - 4 EXISTING 12" ROOF DRAIN LEADER PIPING UP TO RESTROOM CHASE TO REMAIN. SEE DRAWING PD1-121 FOR CONTINUATION.
  - 5 EXISTING ELECTRIC WATER HEATER TO REMAIN.
  - 6 EXISTING ELEVATOR SUMP PUMP DISCHARGE PIPING AT BOTTOM OF STRUCTURE TO REMAIN.
  - 7 EXISTING ABOVE FLOOR OIL SEPARATOR SERVING ELEVATOR SUMP PUMP DISCHARGE TO REMAIN.

**ILM**

**TERMINAL IMPROVEMENTS CONTRACT 3**

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JOB # 19005



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**LS3P**

STRUCTURAL ENGINEER  
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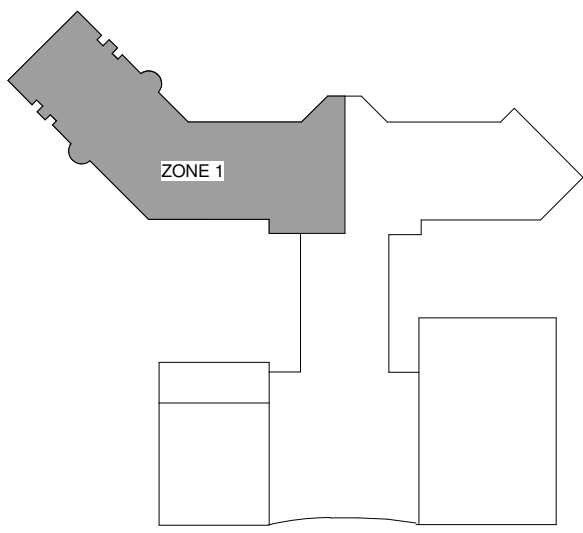
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**KEY PLAN**

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REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 1 - RAMP LEVEL DEMO PLAN ZONE 1 PLUMBING**

SHEET NUMBER

**PD1-111**

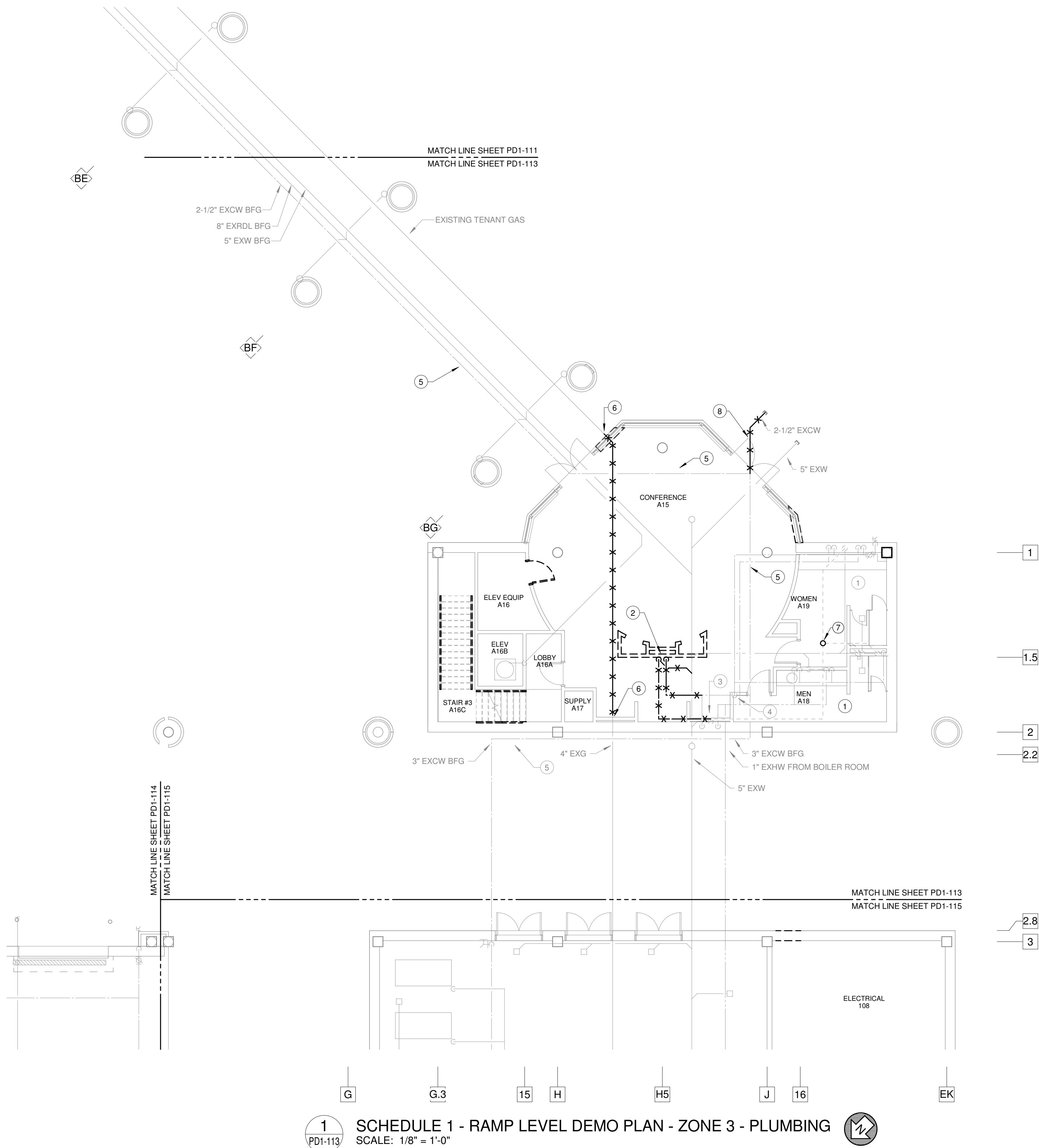
FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
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• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

MATCH LINE SHEET PD1-111  
MATCH LINE SHEET PD1-113

**1** SCHEDULE 1 - RAMP LEVEL DEMO PLAN - ZONE 1 - PLUMBING  
PD1-111 SCALE: 1/8" = 1'-0"

KEYED NOTES: (THIS SHEET ONLY)

- EXISTING RESTROOMS TO REMAIN.
- REMOVE EXISTING ELECTRIC WATER COOLER AND ASSOCIATED PIPING. REMOVE EXW AND EXV BACK TO POINTS INDICATED AND CAP. REMOVE EXW TO MAIN BELOW FLOOR AND CAP.
- EXISTING COUNTER SINK TO REMAIN.
- EXISTING 2" CW RISER FROM BELOW FINISHED FLOOR WITH VALVE TO REMAIN.
- EXISTING CW BELOW FINISHED FLOOR REMAIN.
- REMOVE EXISTING NATURAL GAS PIPING BACK TO THIS POINT AND CAP.
- REMOVE 3" V UP, SEE P1-123. INSTALL AIR ADMITTANCE VALVE ON VENT PIPING.
- REMOVE EXISTING UNDERGROUND 2-1/2" CW PIPING AS INDICATED. PIPING TO BE RECONNECTED.



**1**  
PD1-113  
**SCHEDULE 1 - RAMP LEVEL DEMO PLAN - ZONE 3 - PLUMBING**  
SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
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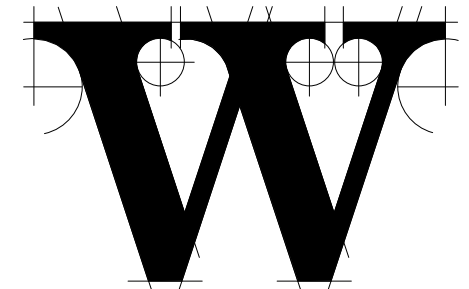
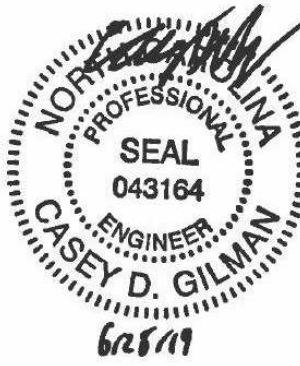


**TERMINAL IMPROVEMENTS CONTRACT 3**

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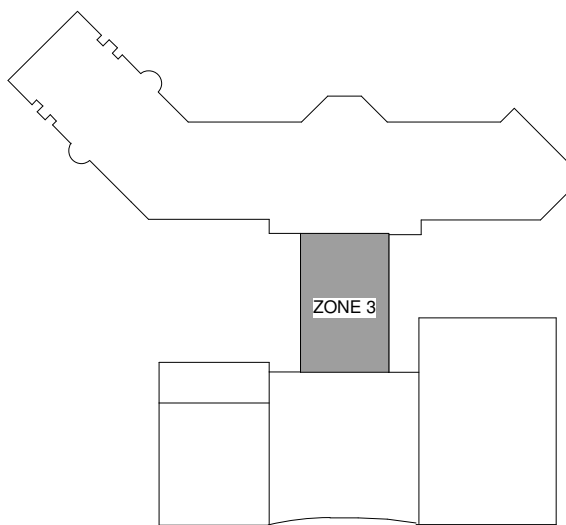
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**REVISIONS**

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 1 - RAMP LEVEL DEMO PLAN ZONE 3 PLUMBING**

SHEET NUMBER

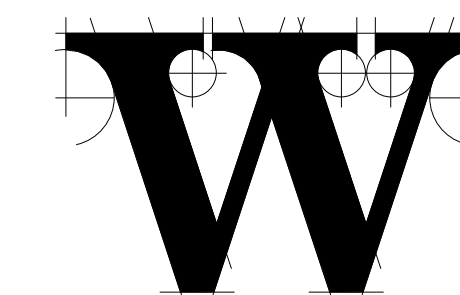
**PD1-113**



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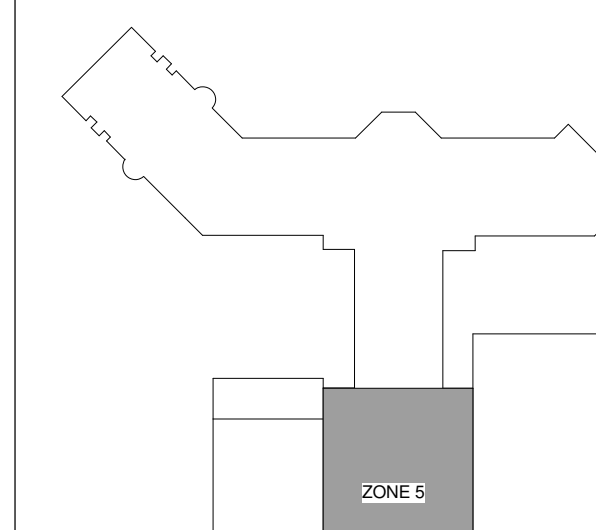
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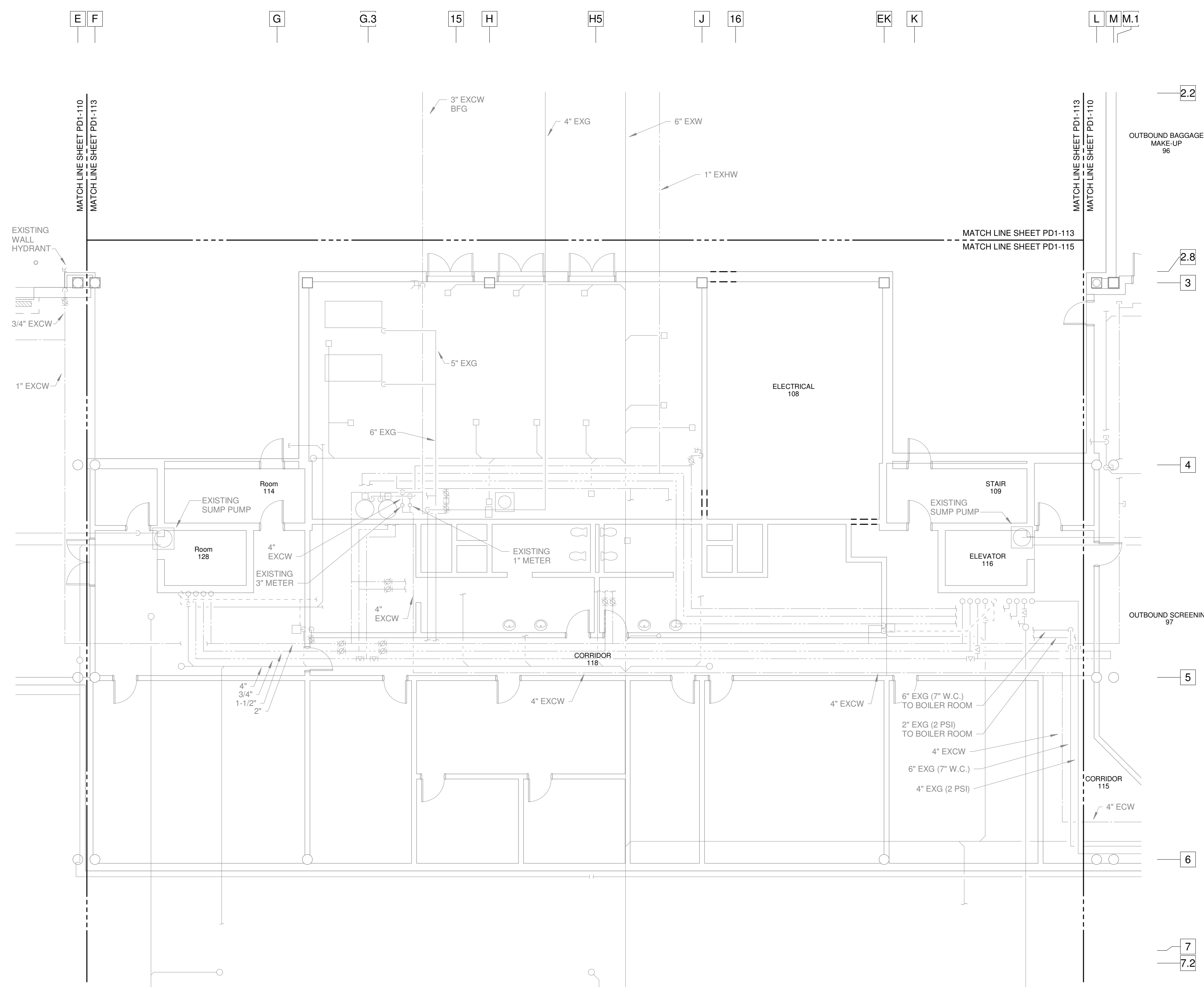
## REVISIONS

DATE	06/28/19
PROJECT NUMBER	9202-000
SHEET TITLE	

SCHEDULE 1 -  
RAMP LEVEL  
DEMO PLAN ZONE  
5 PLUMBING

SHEET NUMBER

PD1-115

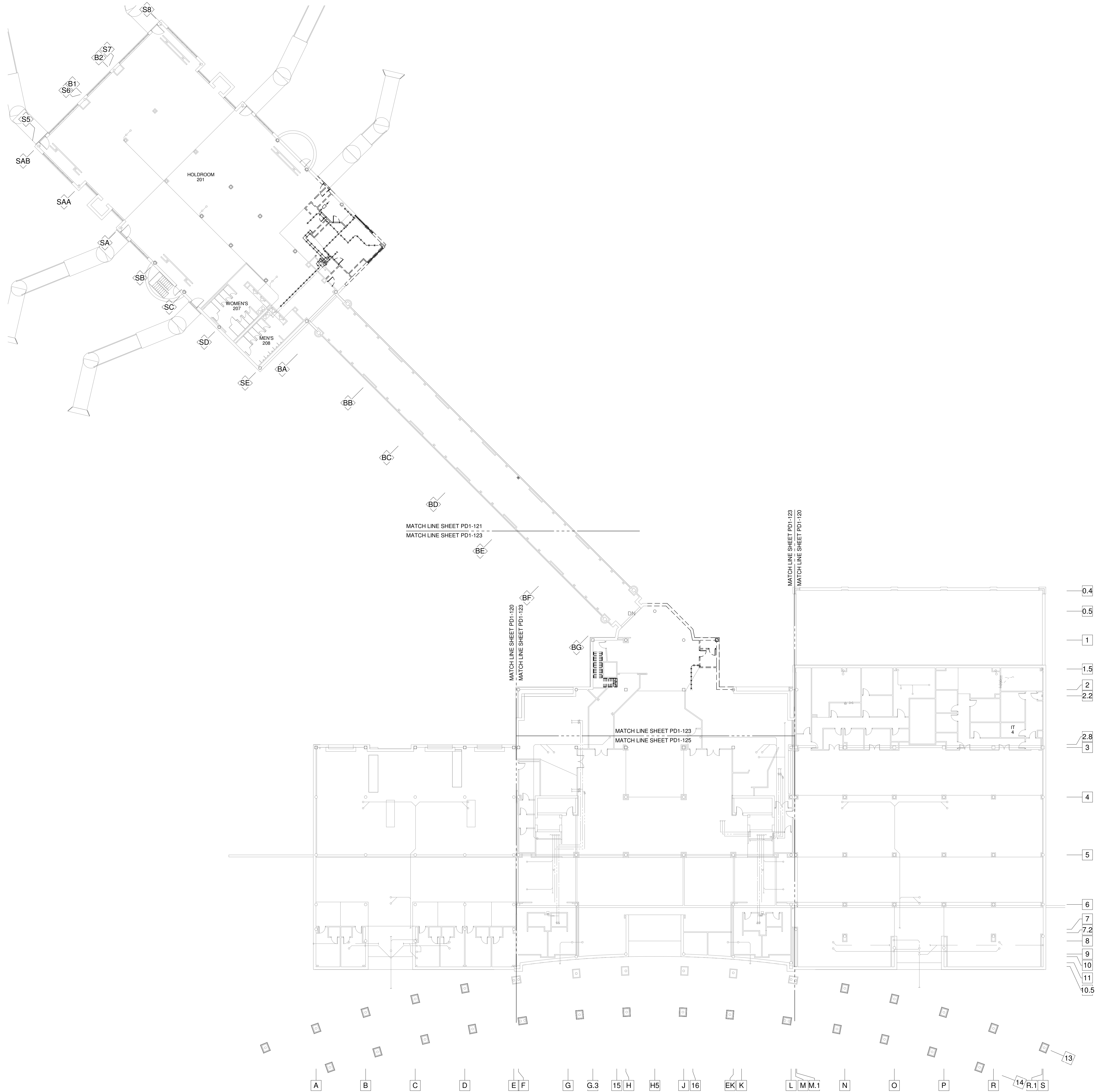


1 SCHEDULE 1 - RAMP LEVEL DEMO PLAN - ZONE 5- PLUMBING  
PD1-115 SCALE: 1/8" = 1'-0"



**FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:**

- SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.
- SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.
- COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.



1  
PD1-120

SCHEDULE 1 - BOARDING/TICKET LEVEL OVERALL DEMO PLAN - PLUMBING

SCALE: 1" = 20'-0"

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

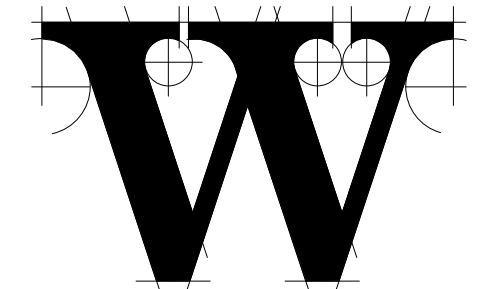


TERMINAL  
IMPROVEMENTS  
CONTRACT 3

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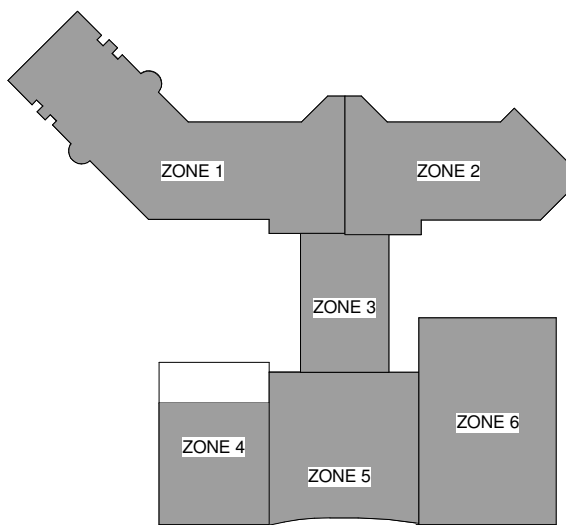
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REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
BOARDING/TICKET  
LEVEL DEMO PLAN  
PLUMBING

SHEET NUMBER

PD1-120



KEYED NOTES: (THIS SHEET ONLY)

- 1 REMOVE ALL PLUMBING FIXTURES LOCATED IN TENANT SPACE, AS WELL AS ALL CONNECTED PIPING. REMOVE ALL VENT PIPING TO 1'-0" BELOW THE ROOF DECK AND CAP BOTH ENDS.
- 2 REMOVE EXISTING UNDER FLOOR SANITARY WASTE PIPING SERVING TENANT SPACE BACK TO MECHANICAL ROOM BELOW. SEE DRAWING PD1-111.
- 3 REMOVE EXISTING ABOVE FLOOR GREASE INTERCEPTOR SERVING THREE-COMPARTMENT SINK.
- 4 REMOVE EXISTING NATURAL GAS PIPING SERVING TENANT SPACE BACK TO MECHANICAL ROOM BELOW. SEE DRAWING PD1-111.
- 5 REMOVE EXISTING GAS-FIRED WATER HEATER SERVING TENANT SPACE. REMOVE EXISTING PVC INTAKE AND EXHAUST TO 1'-0" BELOW THE ROOF DECK AND CAP BOTH ENDS.
- 6 REMOVE EXISTING ELECTRIC WATER HEATER ABOVE CEILING SERVING RESTROOMS. REMOVE CONNECTED EXCW AND EXHW PIPING TO POINTS INDICATED.
- 7 REMOVE EXCW AND EXHW PIPING SERVING TENANT SPACE.
- 8 REMOVE EXHW PIPING SERVING TO THIS POINT. EXHW PIPING SHALL BE RECONNECTED.
- 9 REMOVE EXCW PIPING SERVING TENANT SPACE AND WATER HEATERS TO THIS POINT AND CAP.
- 10 EXISTING CW DN IN CHASE TO REMAIN. SEE DRAWING PD1-111 FOR CONTINUATION.
- 11 EXISTING ROOF DRAIN LEADER PIPING TO REMAIN.
- 12 EXISTING 12" ROOF DRAIN LEADER PIPING DN IN CHASE TO REMAIN. SEE DRAWING PD1-111 FOR CONTINUATION.
- 13 EXISTING HOT WATER AND COLD WATER PIPING SERVING RESTROOM TO REMAIN.
- 14 REMOVE ALL PLUMBING FIXTURES LOCATED IN FAMILY RESTROOM, AS WELL AS ALL CONNECTED PIPING. REMOVE ALL VENT PIPING TO 1'-0" BELOW THE ROOF DECK AND CAP BOTH ENDS.

1 SCHEDULE 1 - BOARDING LEVEL DEMO PLAN - ZONE 1 - PLUMBING  
PD1-121 SCALE: 1/8" = 1'-0"



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• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
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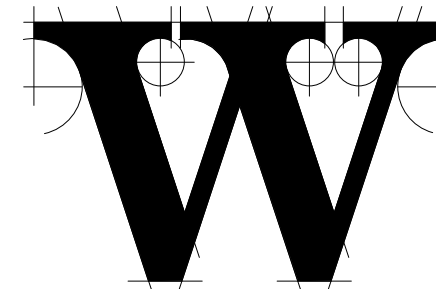
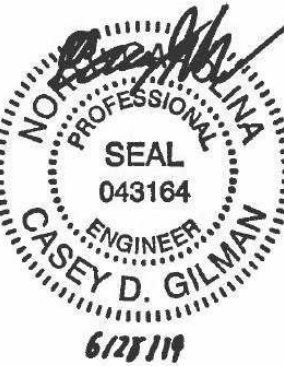


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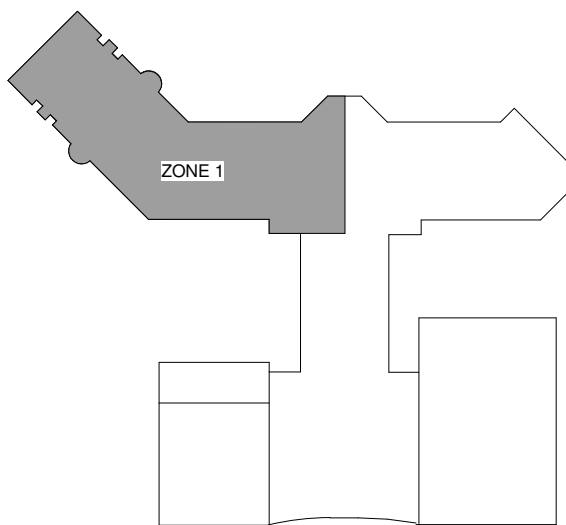
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
BOARDING LEVEL  
PLAN ZONE 1  
PLUMBING

SHEET NUMBER

PD1-121

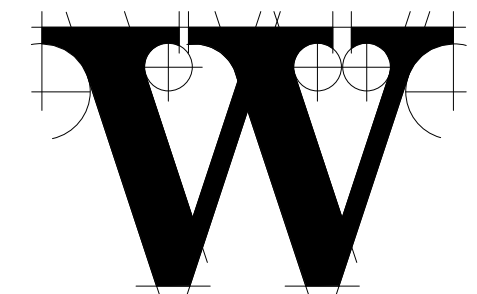


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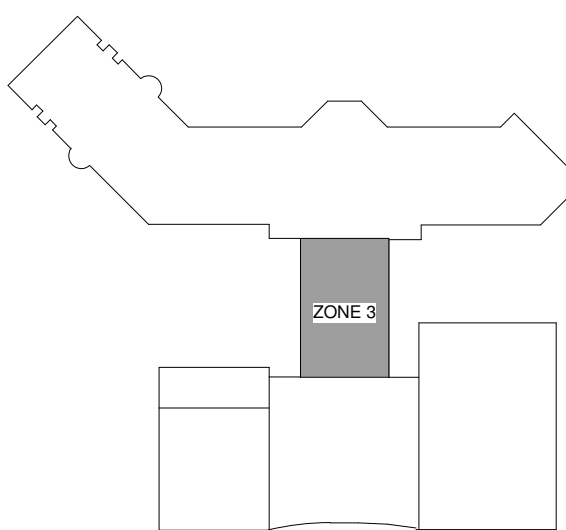
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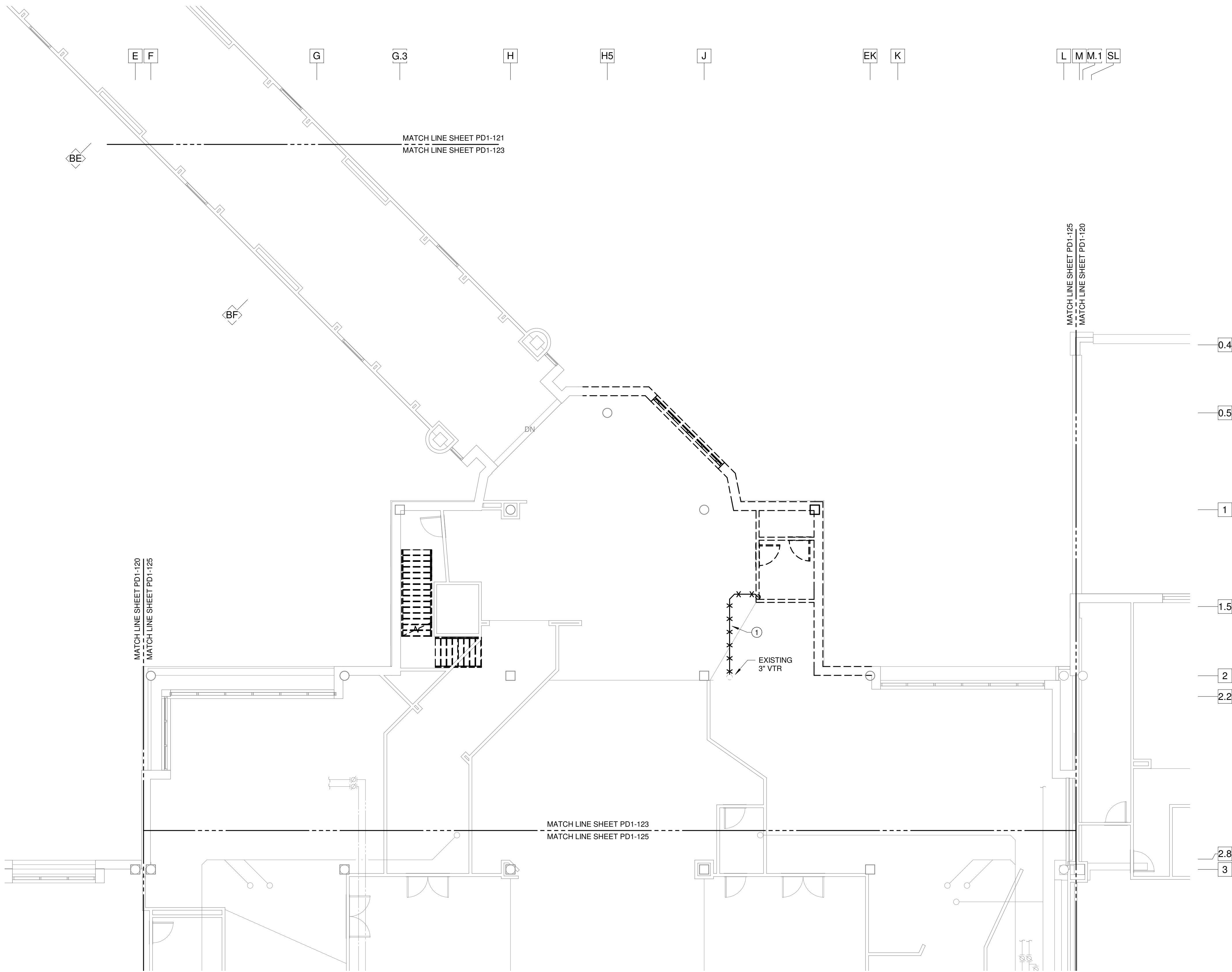
SCHEDULE 1 -  
TICKET LEVEL  
PLAN ZONE 3  
PLUMBING

SHEET NUMBER

PD1-123

KEYED NOTES: (THIS SHEET ONLY)

- ① REMOVE EXISTING 3" VENT PIPING SERVING RESTROOMS BELOW.  
SEE PD1-113. REMOVE TO VTR. CAP VTR ABOVE ROOF AND  
BELOW ROOF.



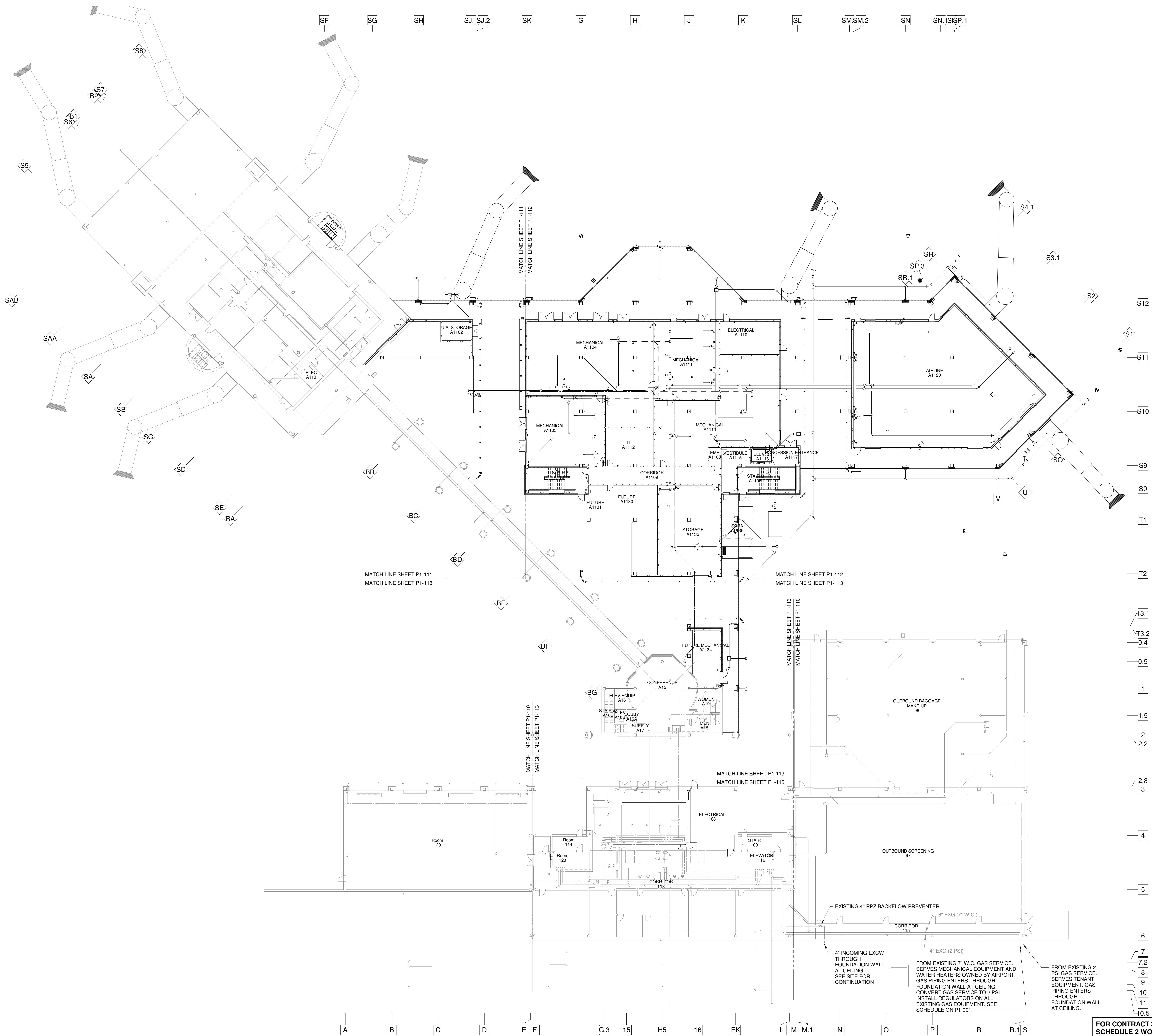
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PD1-123

SCHEDULE 1 - TICKET LEVEL DEMO PLAN - ZONE 3 - PLUMBING

SCALE: 1/8" = 1'-0"



FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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1  
P1-110

SCHEDULE 1 - RAMP LEVEL - OVERALL FLOOR PLAN - PLUMBING  
SCALE: 1" = 20'-0"



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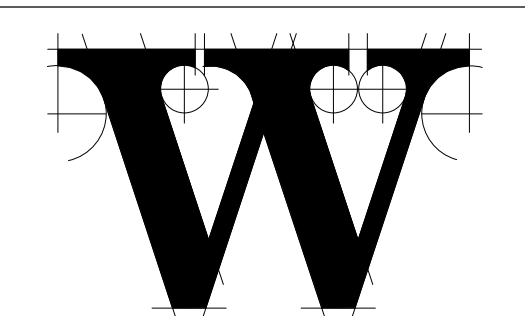


# TERMINAL IMPROVEMENTS CONTRACT 3

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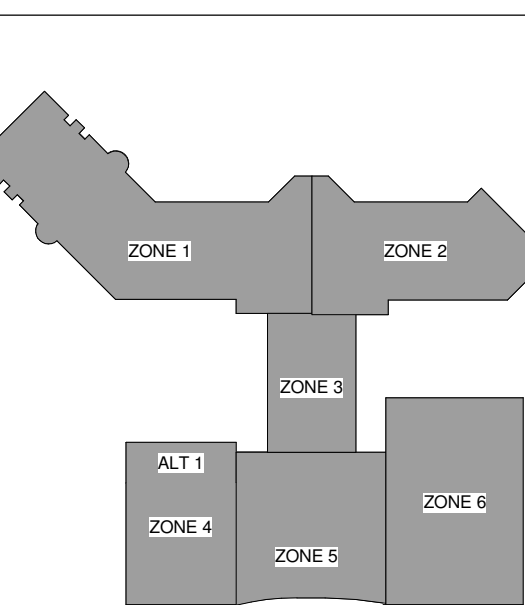
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SHEET TITLE

SCHEDULE 1 - RAMP LEVEL OVERALL PLAN PLUMBING

SHEET NUMBER

P1-110

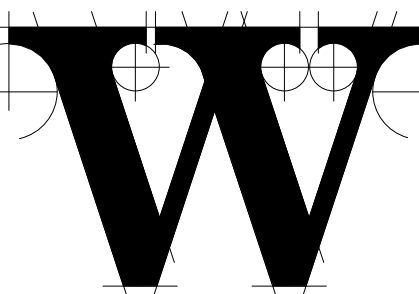
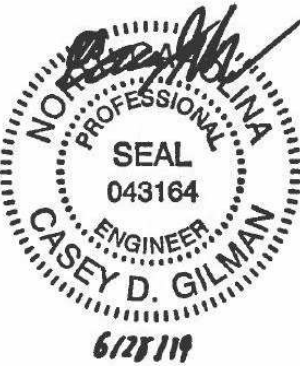


TERMINAL  
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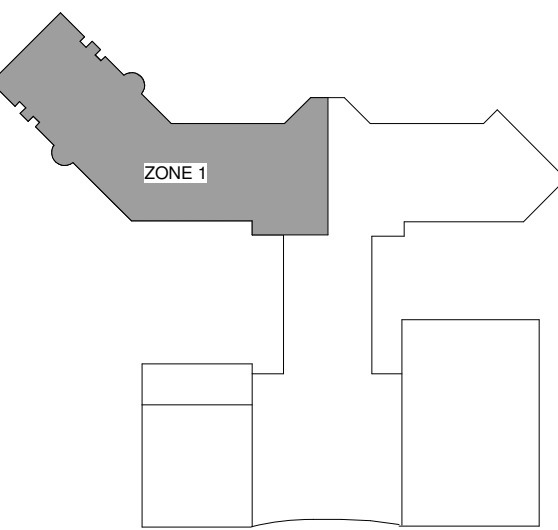
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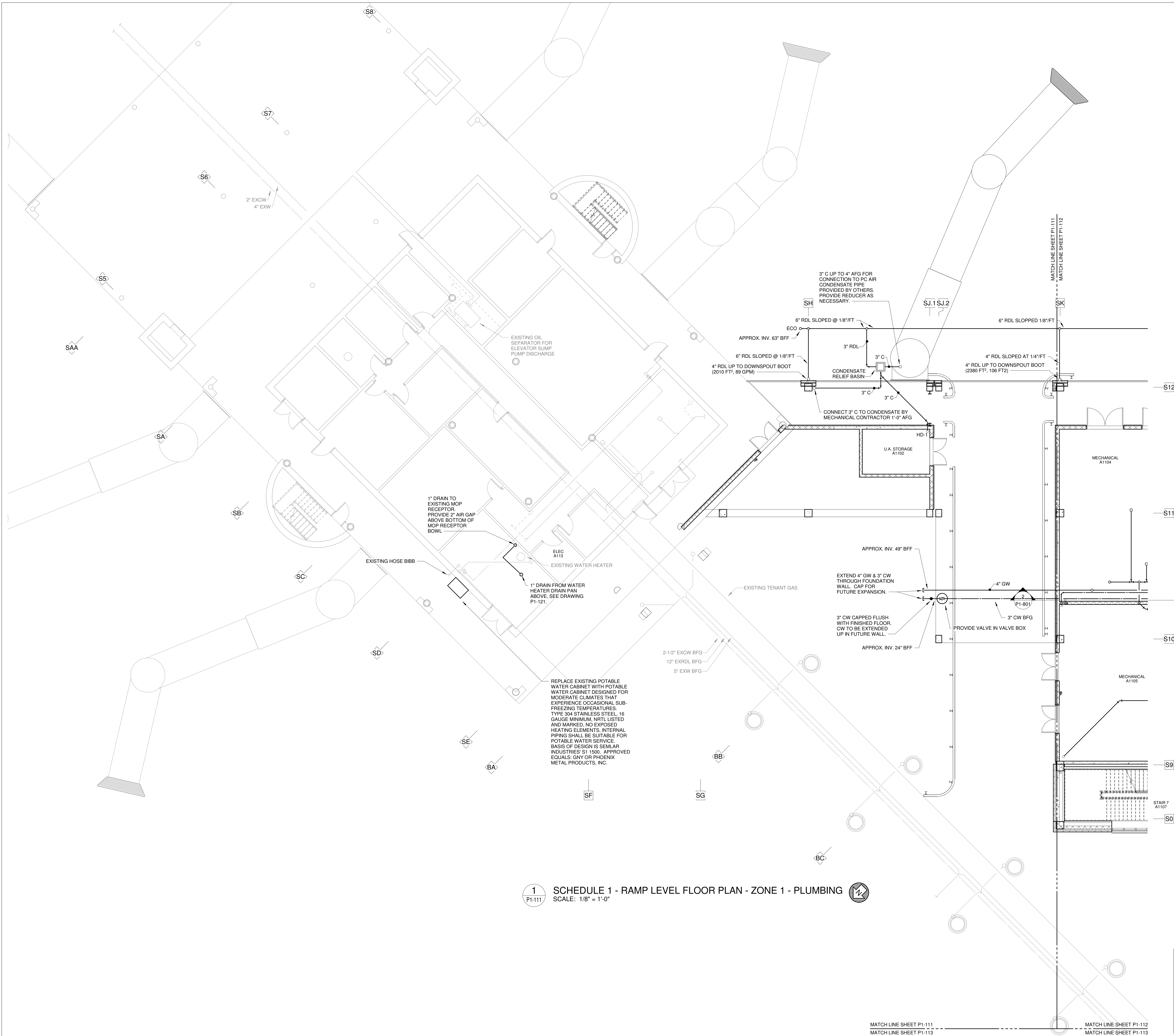
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
RAMP LEVEL PLAN  
ZONE 1 PLUMBING

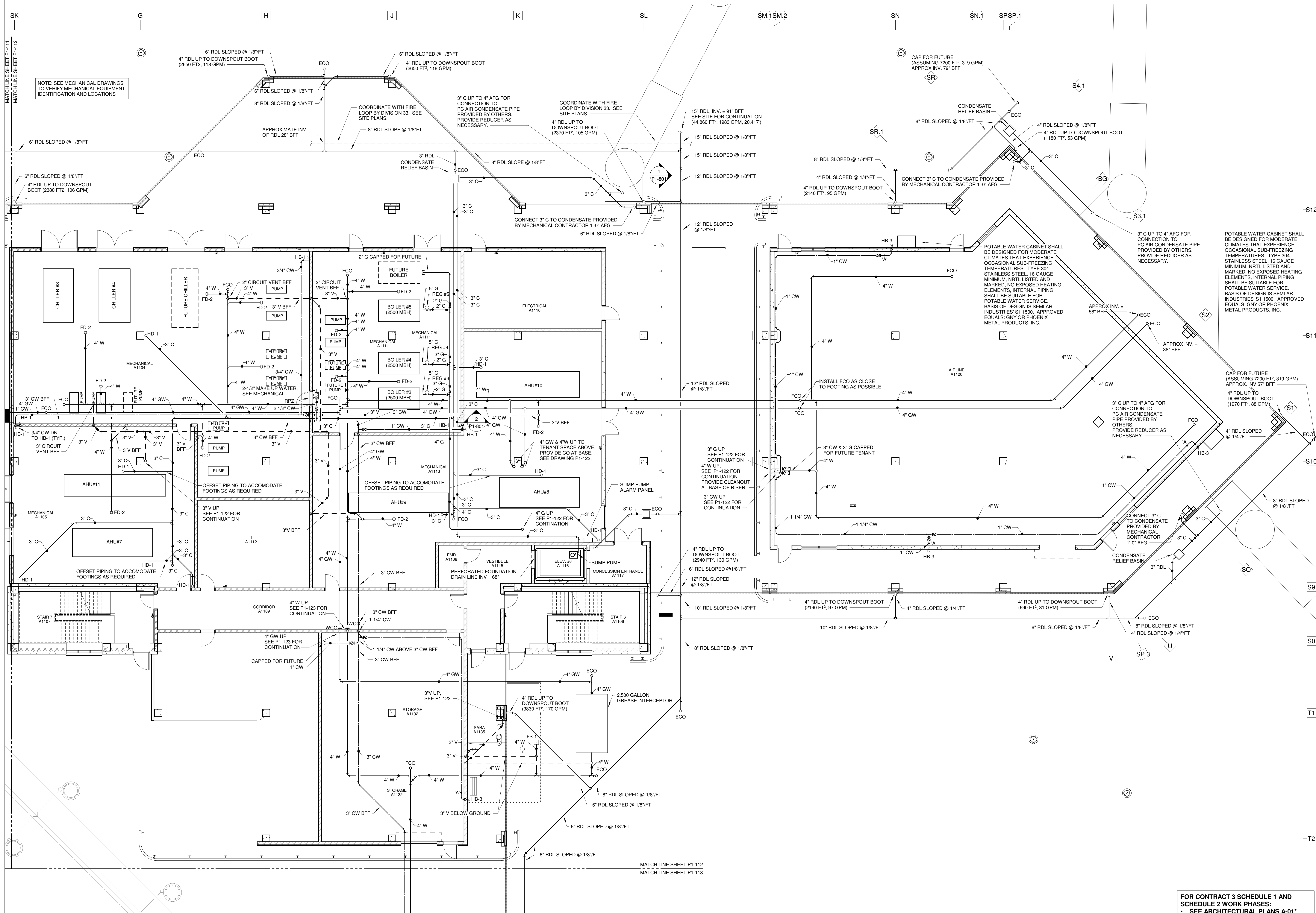
SHEET NUMBER

P1-111



1 SCHEDULE 1 - RAMP LEVEL FLOOR PLAN - ZONE 1 - PLUMBING  
P1-111 SCALE: 1/8" = 1'-0"

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REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.



1 P1-112 SCHEDULE 1 - RAMP LEVEL FLOOR PLAN - ZONE 2 - PLUMBING SCALE: 1/8" = 1'-0"

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**TERMINAL IMPROVEMENTS CONTRACT 3**  
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1	ISSUED FOR PERMIT	06/28/19

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 1 - RAMP LEVEL PLAN ZONE 2 PLUMBING**

SHEET NUMBER  
**P1-112**

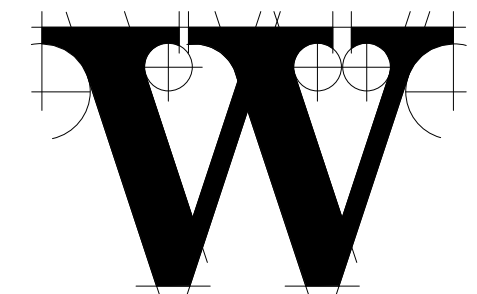
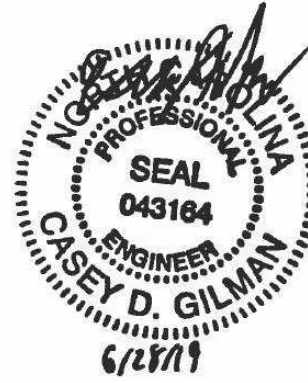


TERMINAL  
IMPROVEMENTS  
CONTRACT 3

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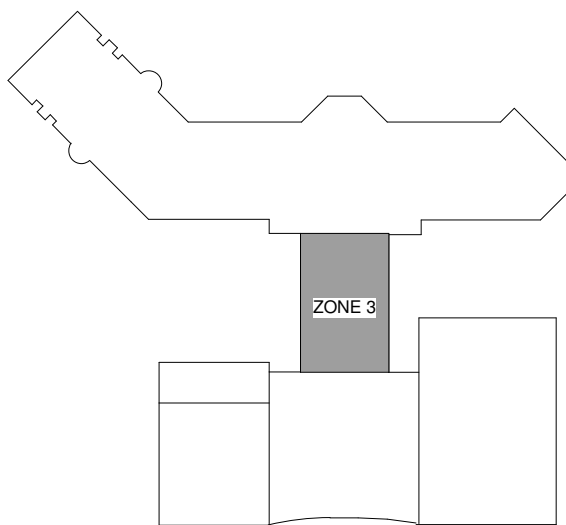
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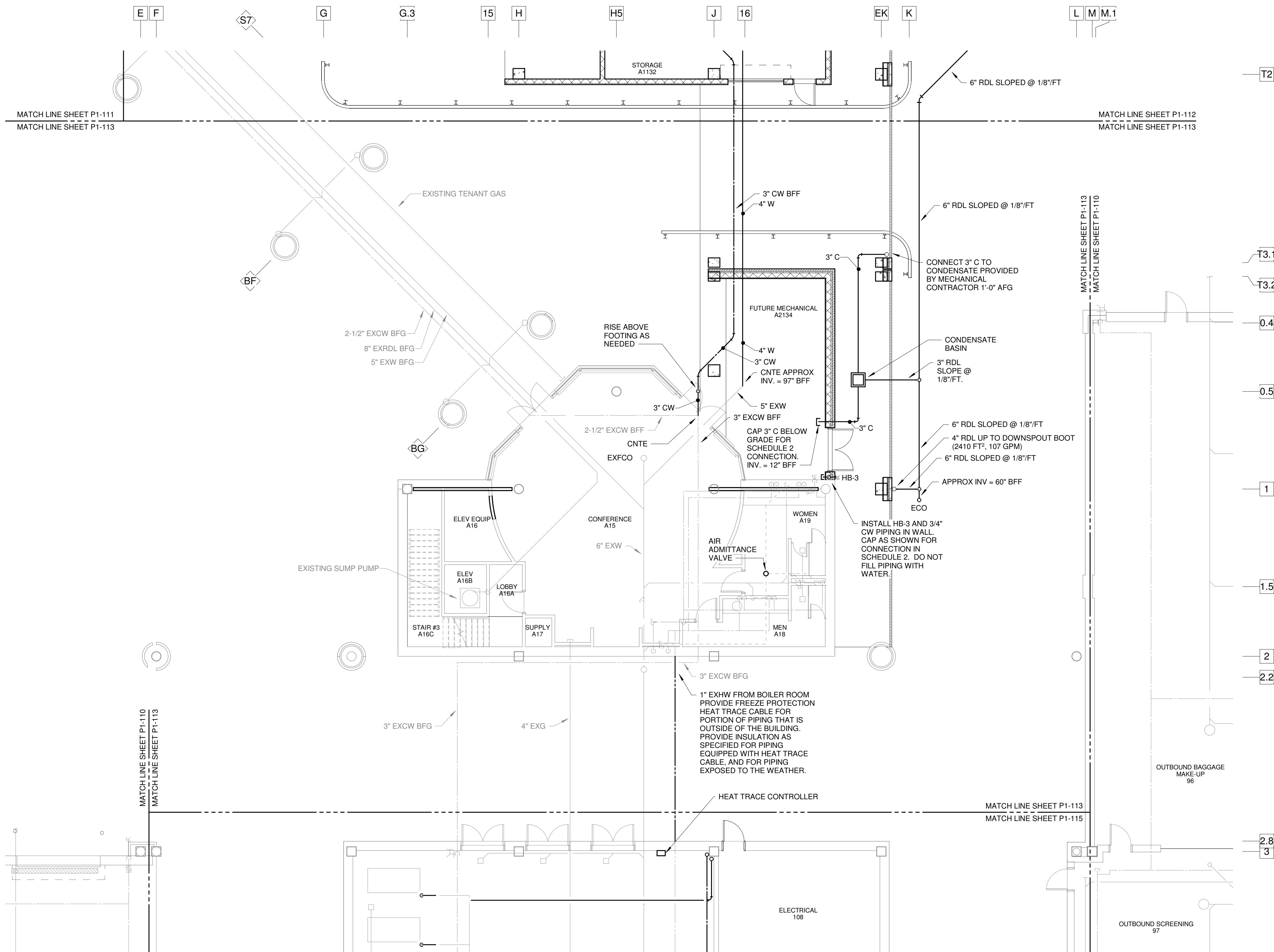
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PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
RAMP LEVEL PLAN  
ZONE 3 PLUMBING

SHEET NUMBER

P1-113



1 SCHEDULE 1 - RAMP LEVEL FLOOR PLAN - ZONE 3 - PLUMBING  
P1-113 SCALE: 1/8" = 1'-0"



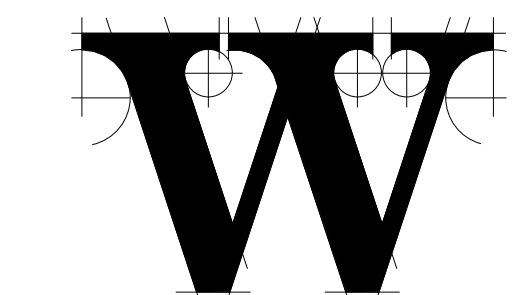
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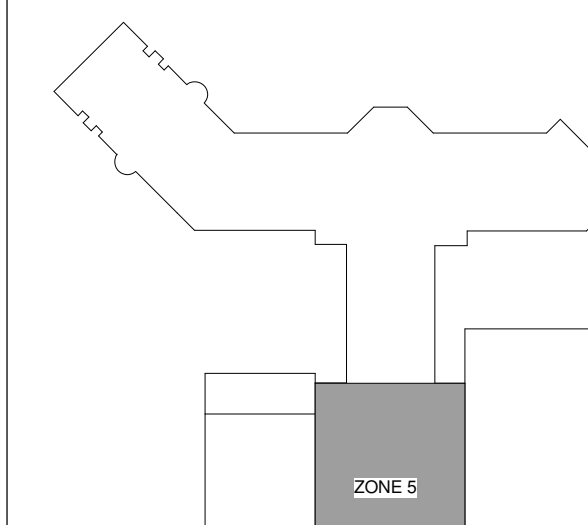
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PROJECT NUMBER	9202-000
SHEET TITLE	

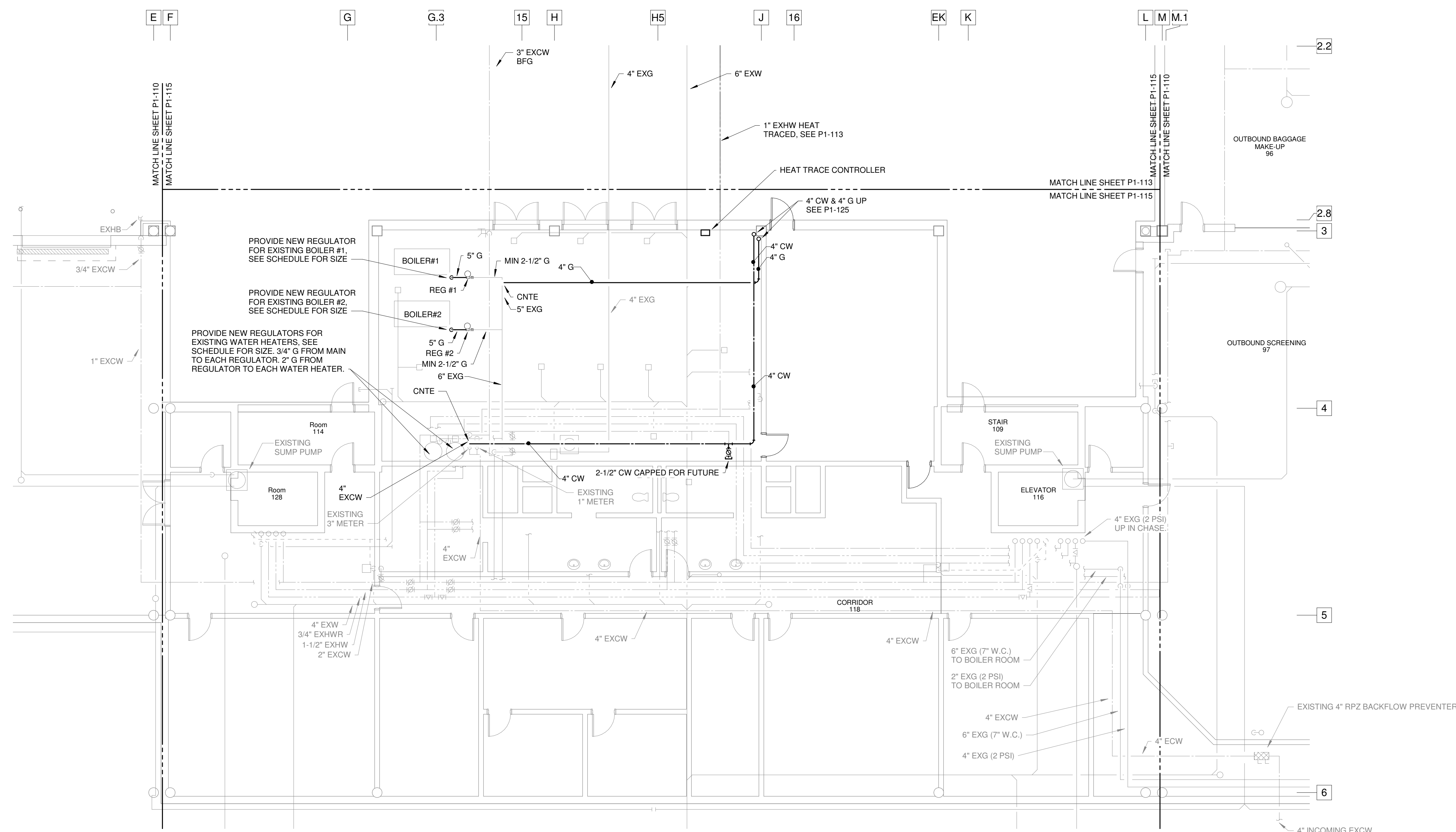
SCHEDULE 1 -  
RAMP LEVEL PLAN  
ZONE 5 PLUMBING

SHEET NUMBER

P1-115

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1  
P1-115

SCHEDULE 1 - RAMP LEVEL FLOOR PLAN - ZONE 5 - PLUMBING

SCALE: 1/8" = 1'-0"





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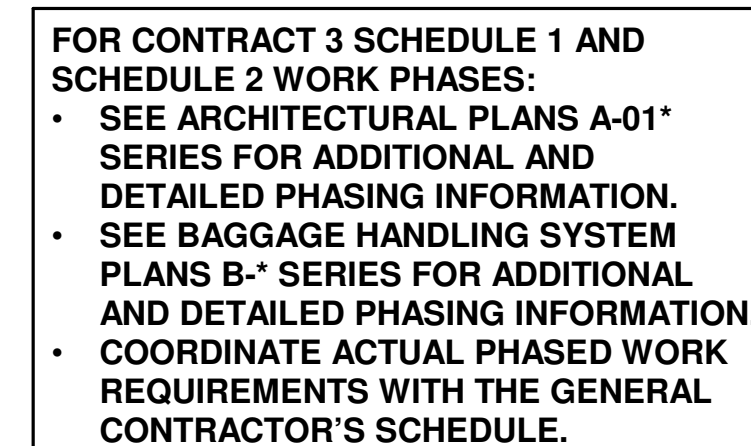
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SCHEDULE 1 -  
BOARDING/TICKET  
LEVEL OVERALL  
PLAN PLUMBING

SHEET NUMBER

P1-120



**1** SCHEDULE 1 - BOARDING/TICKET OVERALL FLOOR PLAN - PLUMBING  
P1-120 SCALE: 1" = 20'-0"



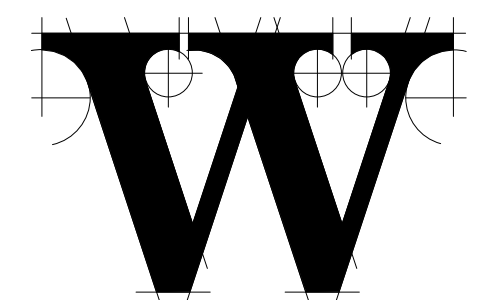


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JOB # 19005



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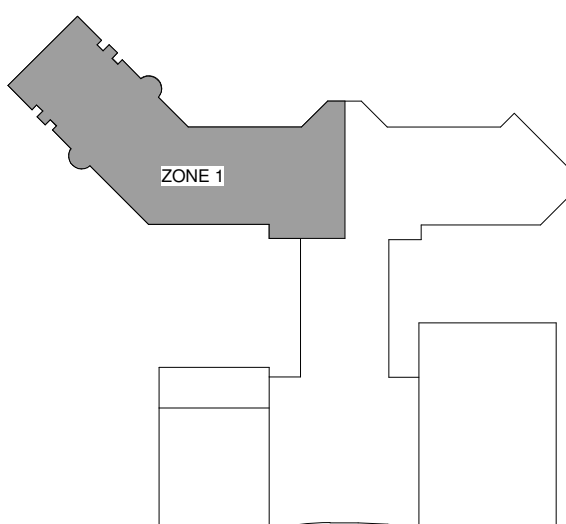
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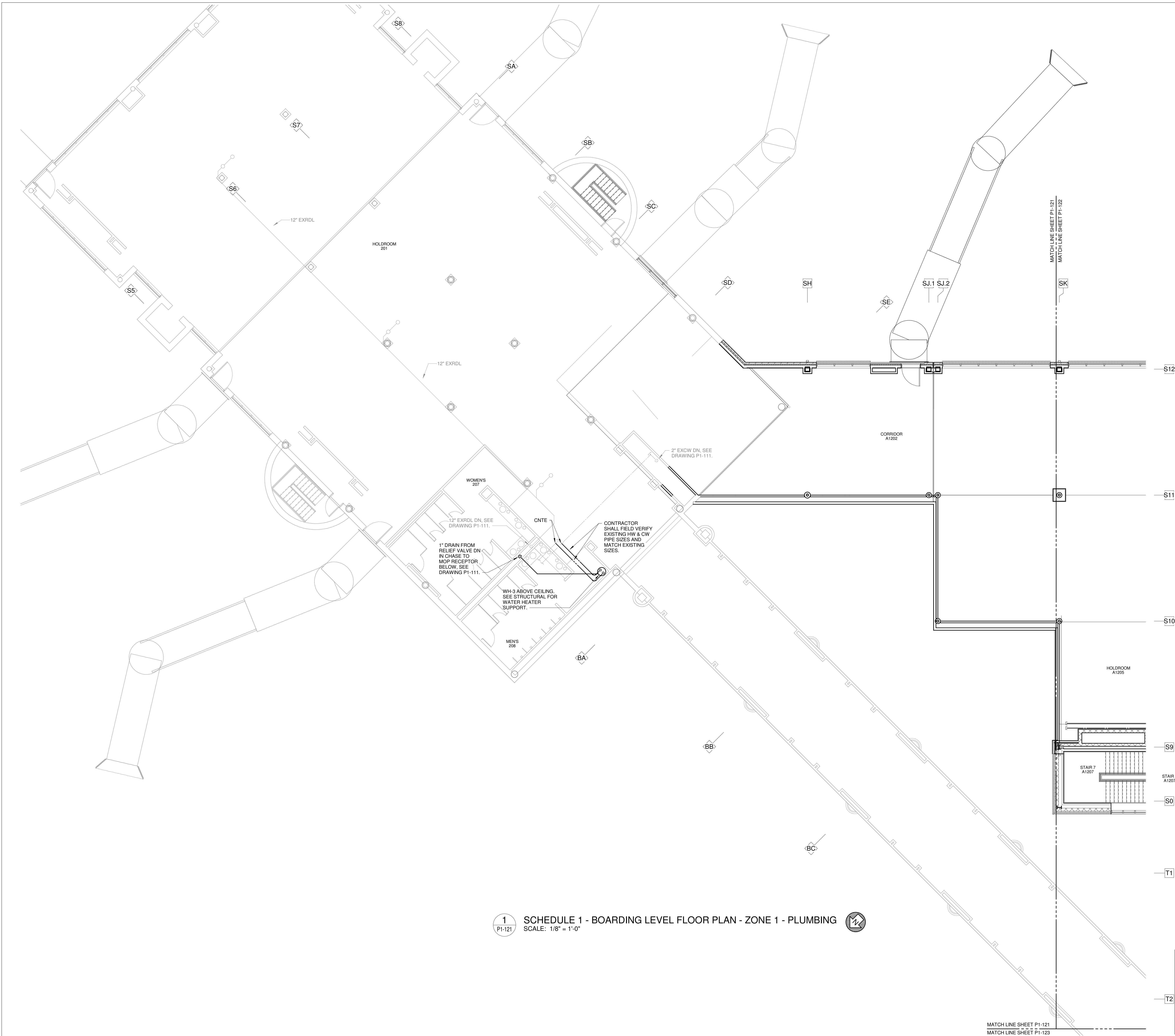
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
BOARDING LEVEL  
PLAN ZONE 1  
PLUMBING

SHEET NUMBER

**P1-121**

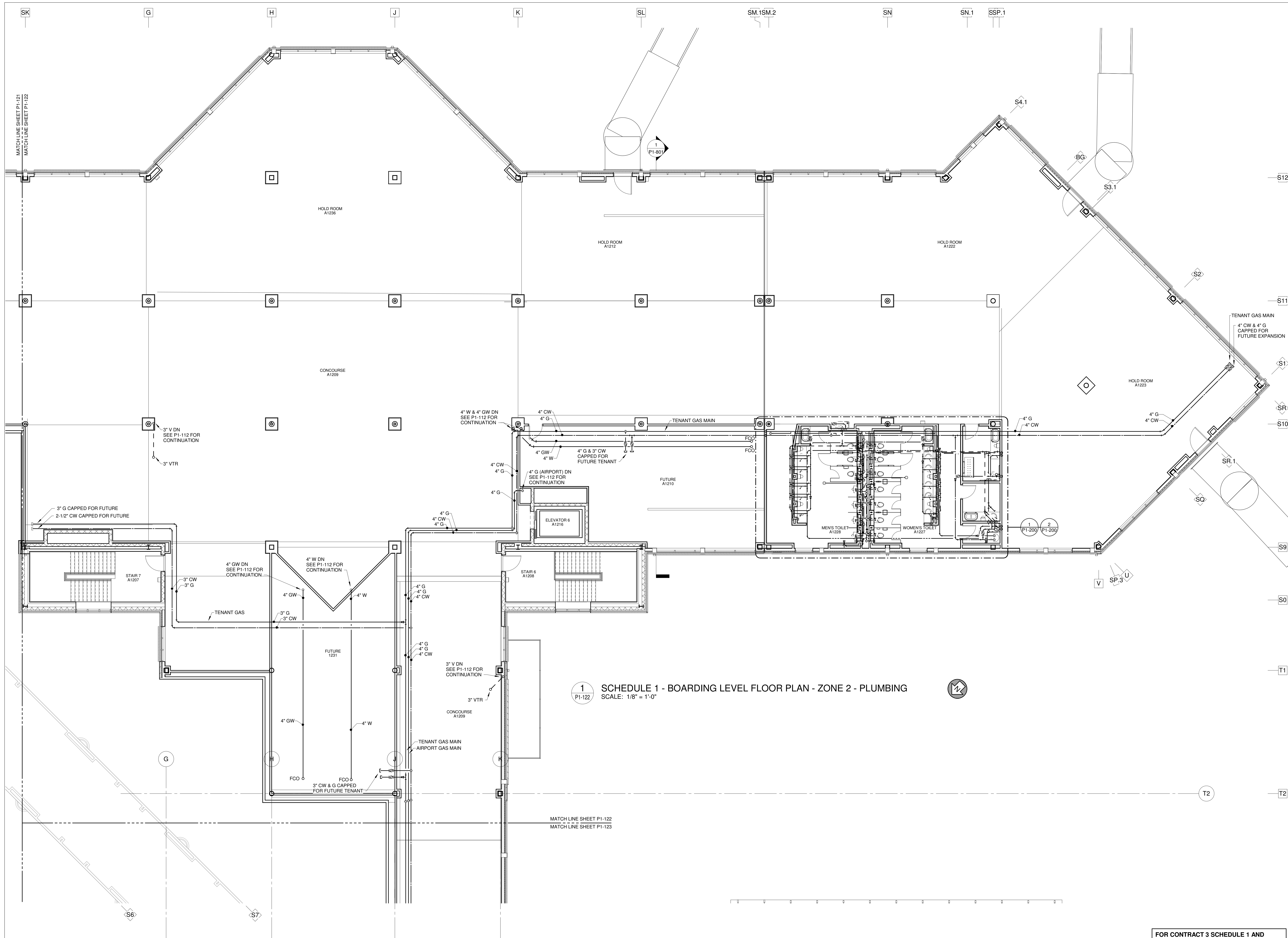


1  
P1-121

SCHEDULE 1 - BOARDING LEVEL FLOOR PLAN - ZONE 1 - PLUMBING  
SCALE: 1/8" = 1'-0"



FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
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PLANS B-\* SERIES FOR ADDITIONAL  
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REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.



1  
P1-122

SCHEDULE 1 - BOARDING LEVEL FLOOR PLAN - ZONE 2 - PLUMBING  
SCALE: 1/8" = 1'-0"

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SCHEDULE 2 WORK PHASES:  
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CONTRACTOR'S SCHEDULE.

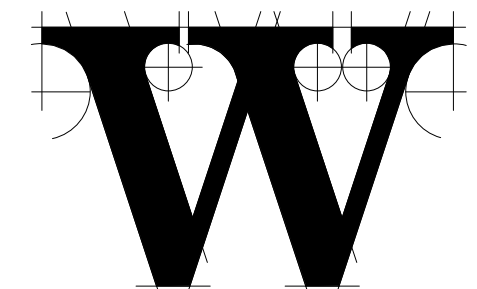


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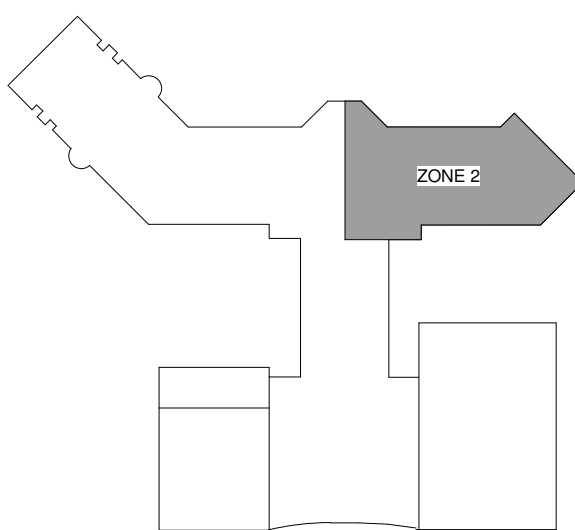
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PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
BOARDING LEVEL  
PLAN ZONE 2  
PLUMBING

SHEET NUMBER

P1-122

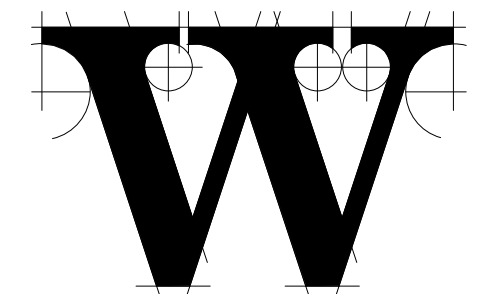


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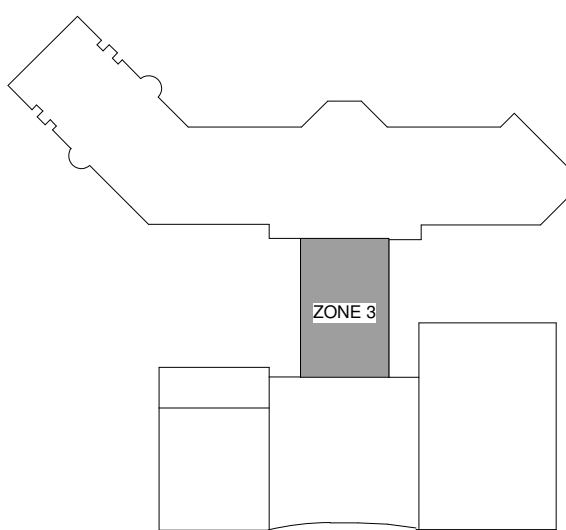
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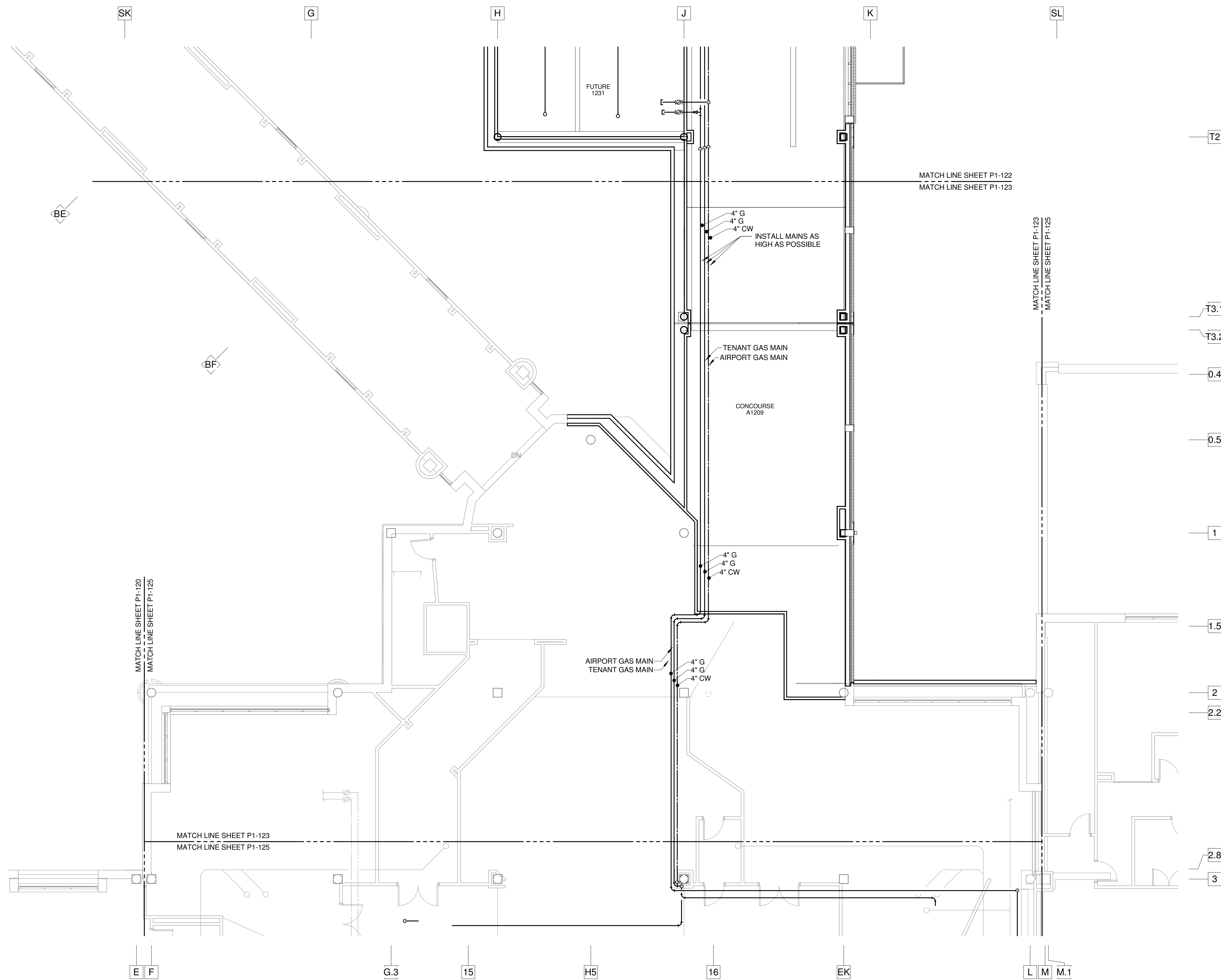
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
TICKET LEVEL  
PLAN ZONE 3  
PLUMBING

SHEET NUMBER

**P1-123**



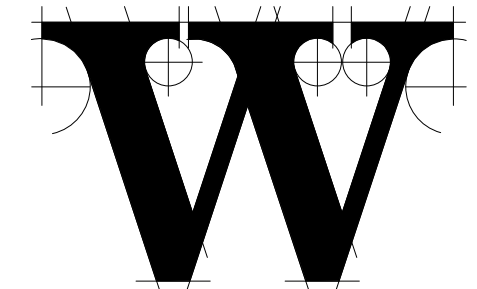


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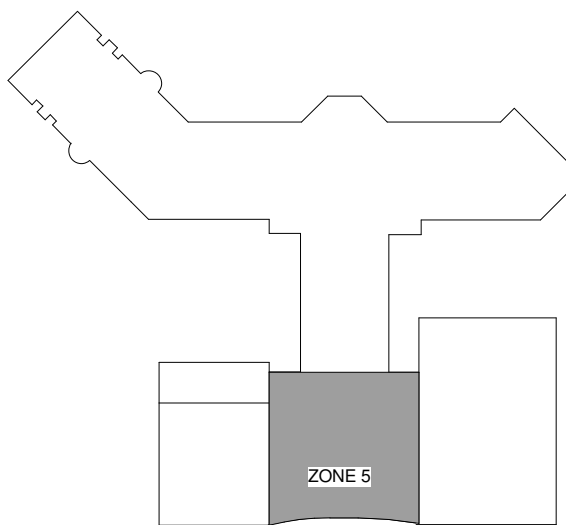
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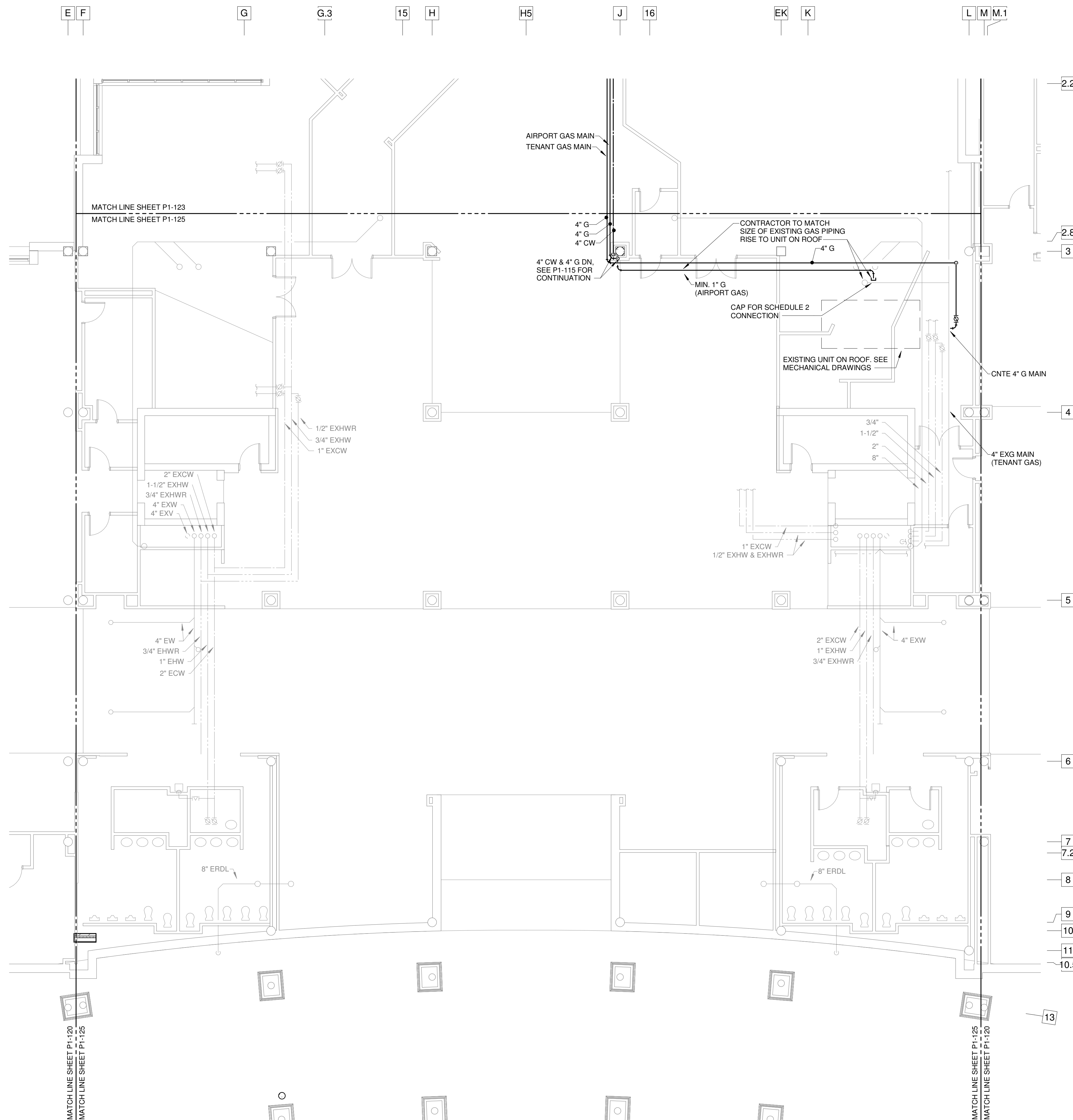
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
TICKET LEVEL  
PLAN ZONE 5  
PLUMBING

SHEET NUMBER

P1-125



**1**  
P1-125  
SCHEDULE 1 - TICKET LEVEL FLOOR PLAN - ZONE 5 - PLUMBING  
SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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CONTRACTOR'S SCHEDULE.

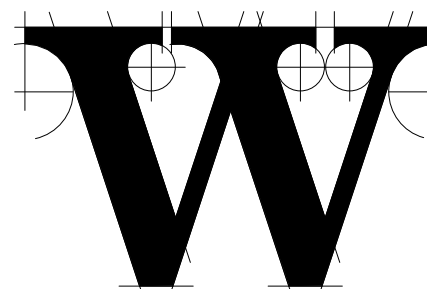


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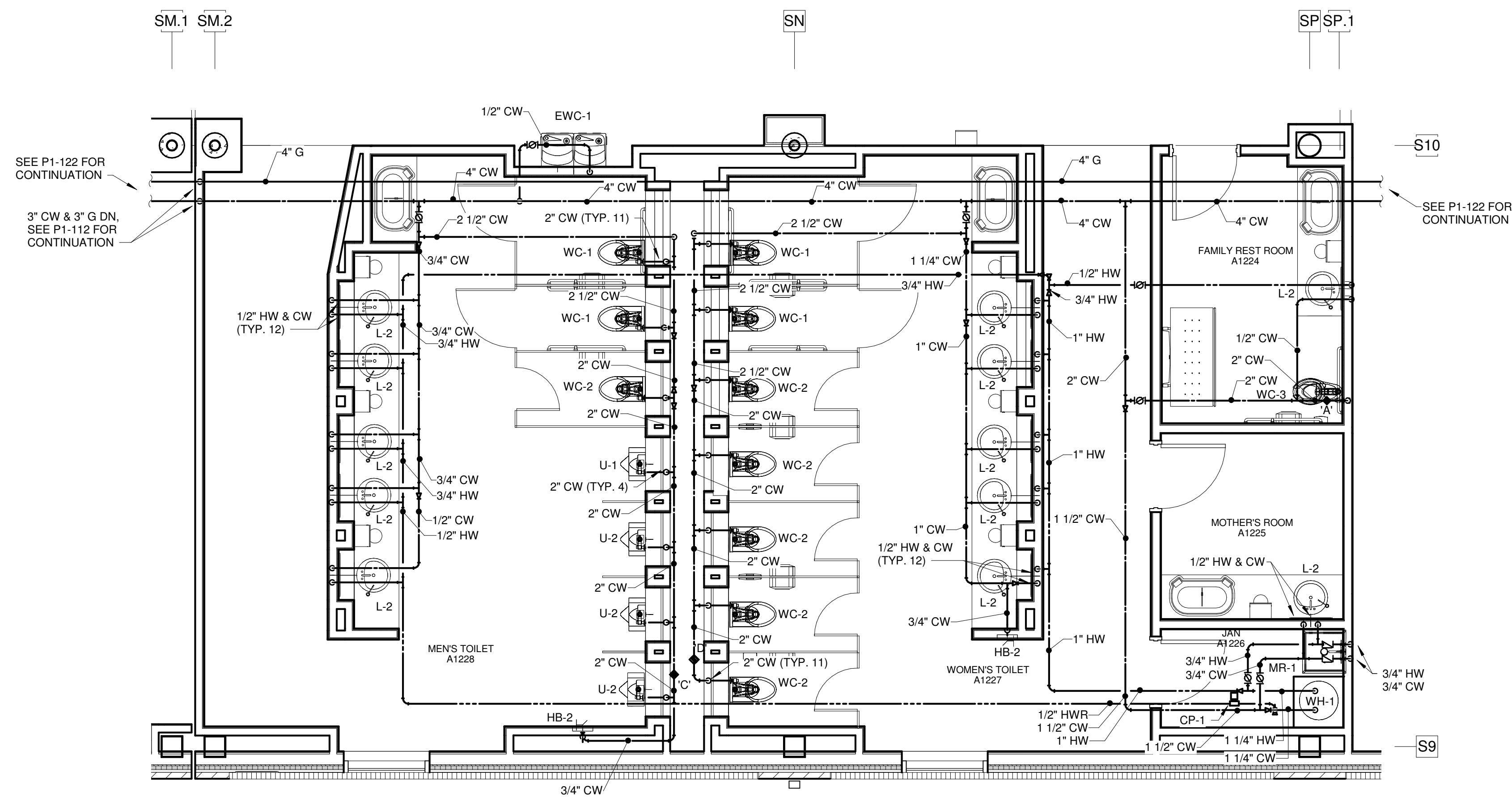
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PROJECT NUMBER 9202-000  
SHEET TITLE

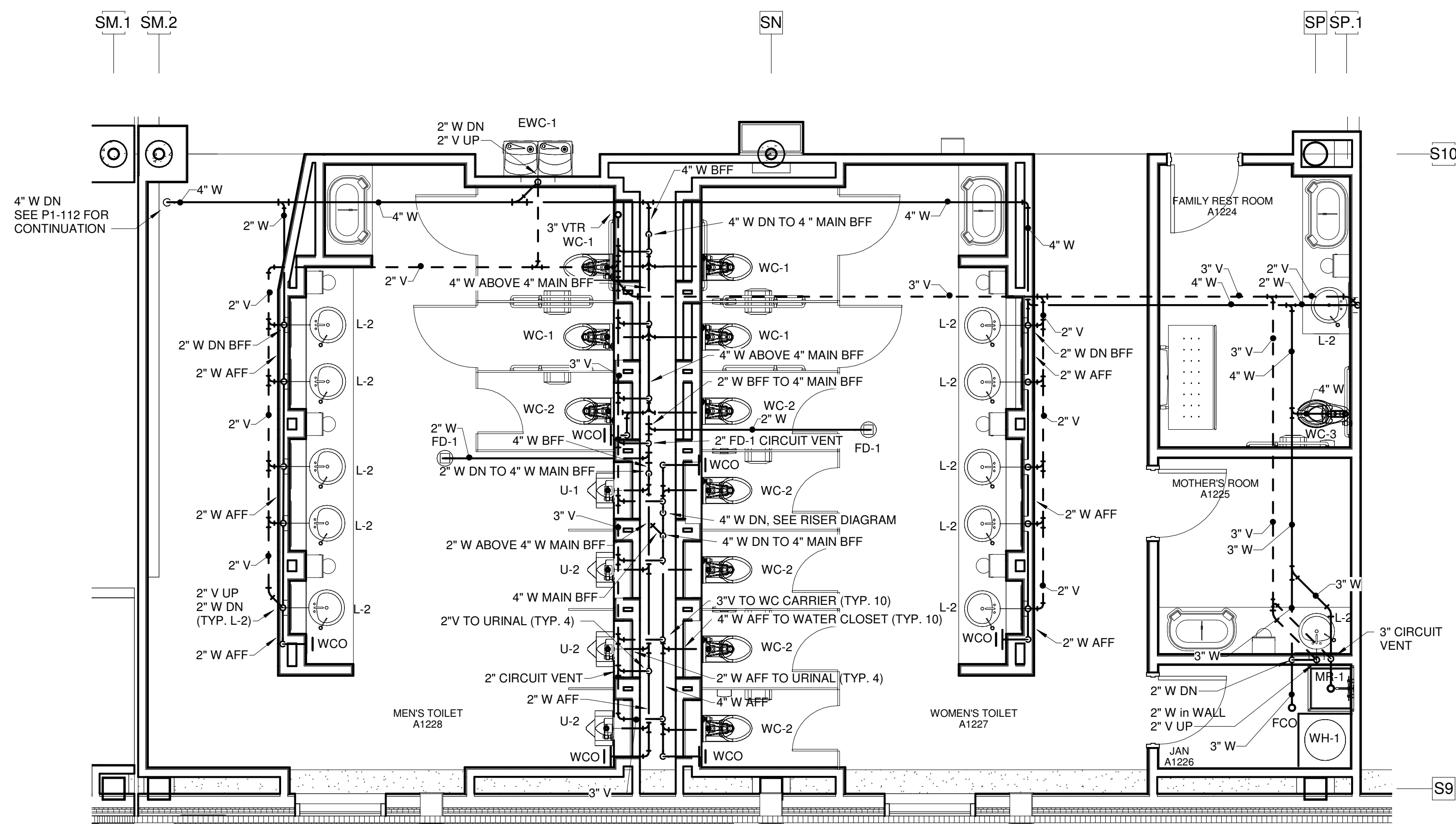
**ENLARGED  
PLUMBING PLANS**

SHEET NUMBER

**P1-200**



**2 BOARDING LEVEL - ZONE 2 - ENLARGED RESTROOM PLAN - DOMESTIC WATER**  
SCALE: 1/4" = 1'-0"



**1 BOARDING LEVEL - ZONE 2 - ENLARGED RESTROOM PLAN - WASTE & VENT**  
SCALE: 1/4" = 1'-0"

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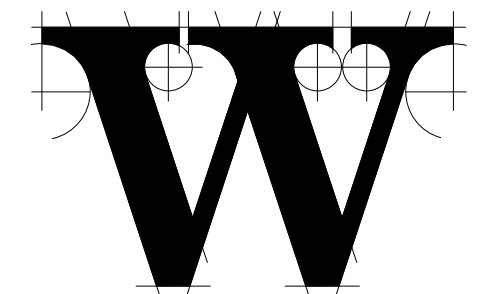


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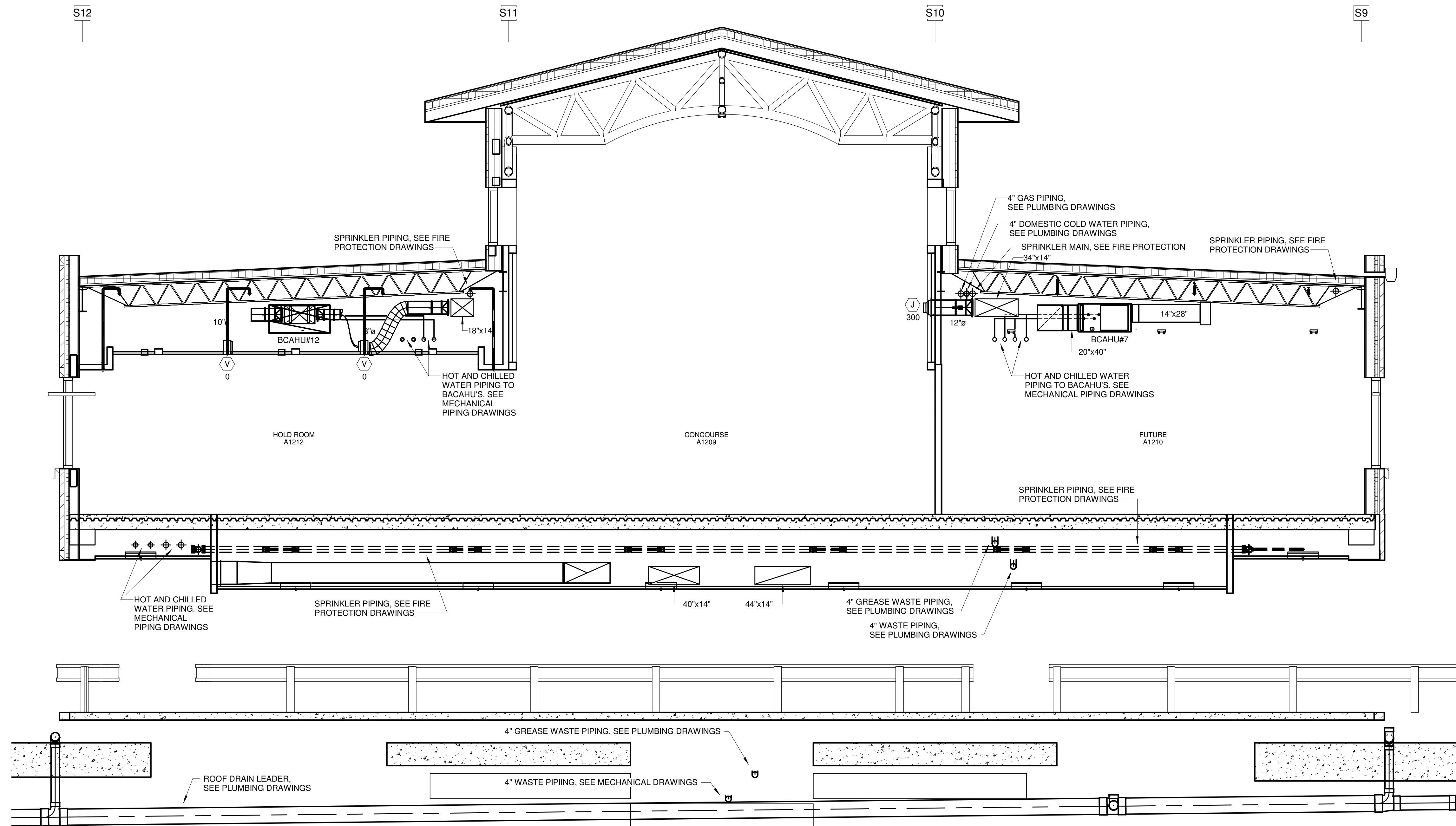
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

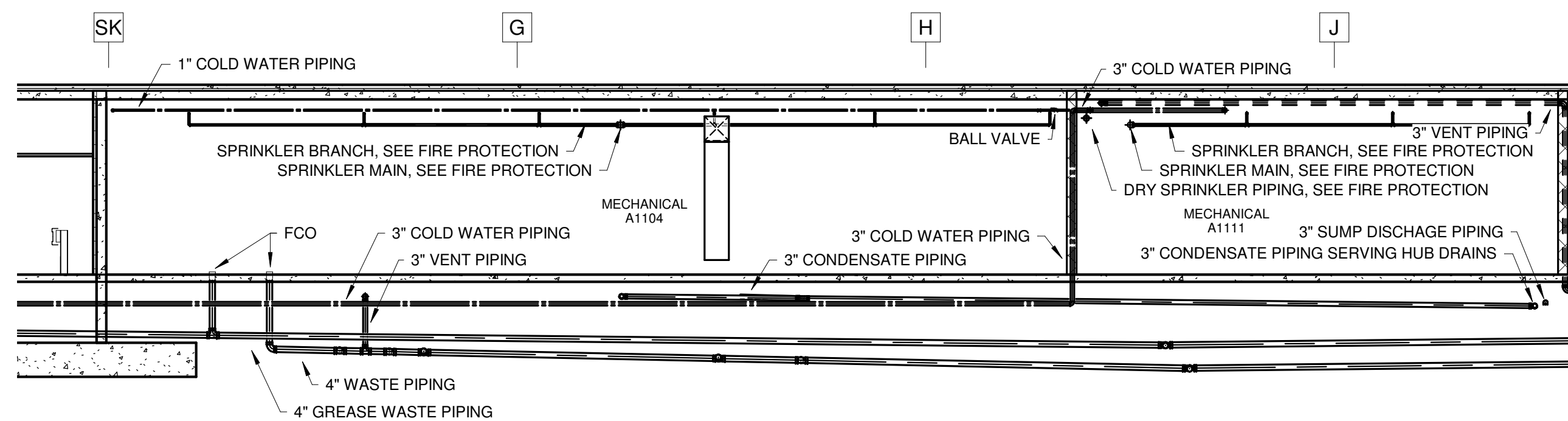
SCHEDULE 1 -  
PLUMBING  
SECTIONS

SHEET NUMBER

**P1-801**



**1** PLUMBING SECTION - 1  
P1-801 SCALE: 1/4" = 1'-0"



**2** PLUMBING SECTION - 2  
P1-801 SCALE: 1/8" = 1'-0"

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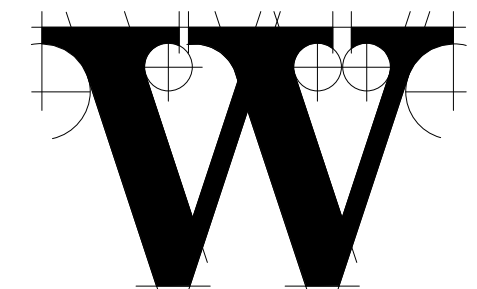


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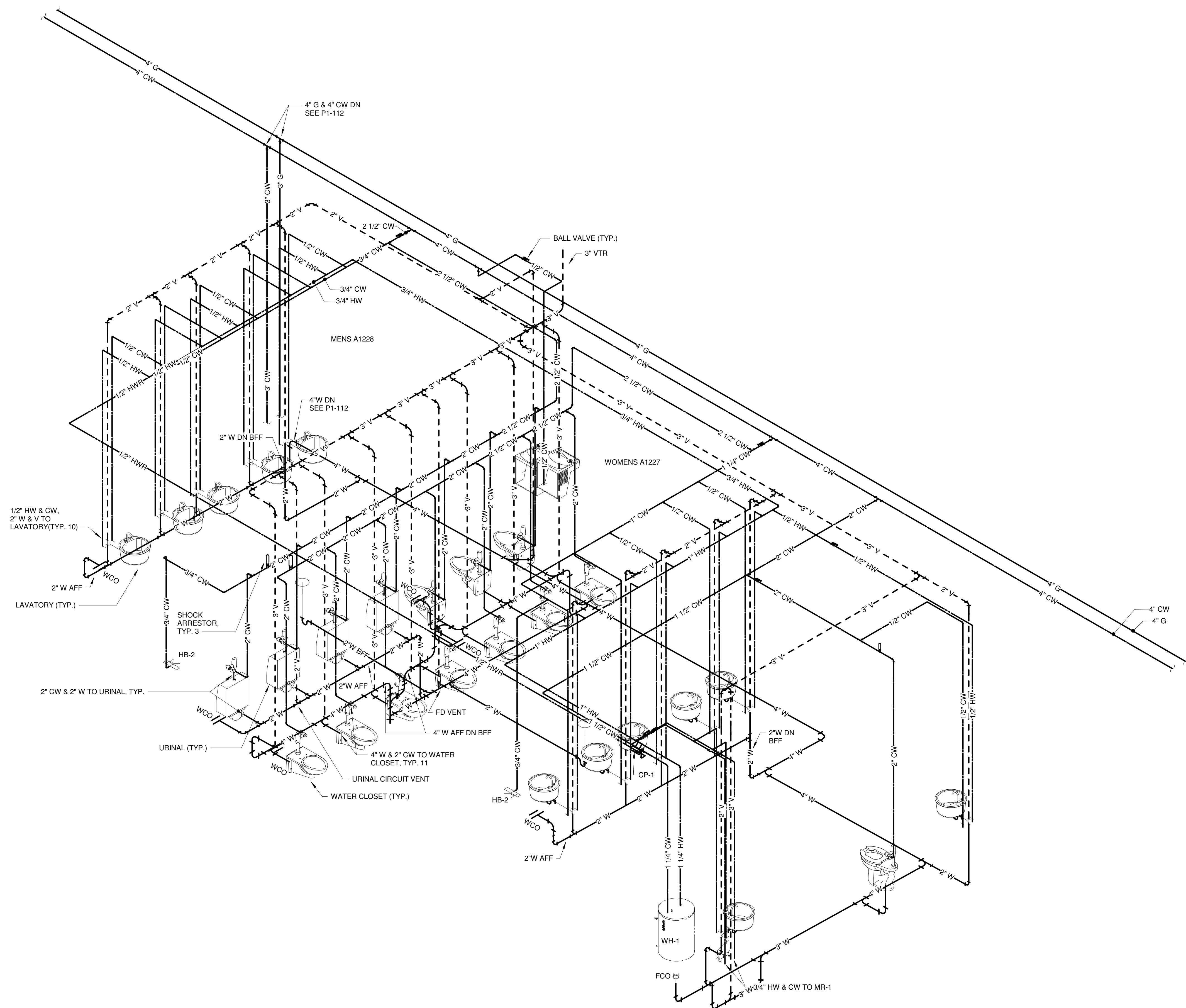
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 1 -  
ZONE 2 RISER  
DIAGRAMS

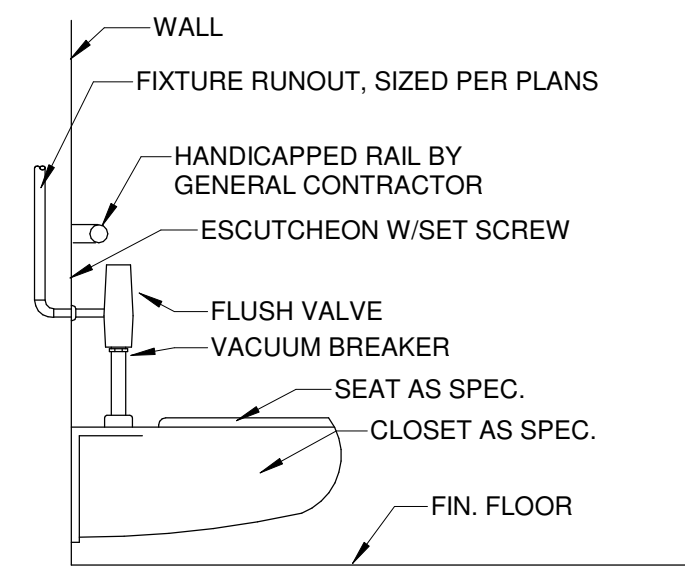
SHEET NUMBER

P1-802

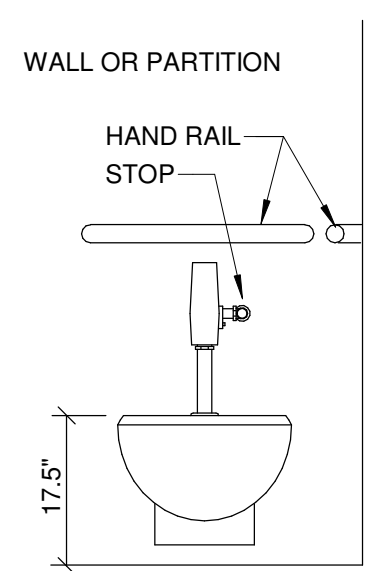


1 MENS A1228 & WOMENS A1227 ISOMETRIC  
P1-802 SCALE:

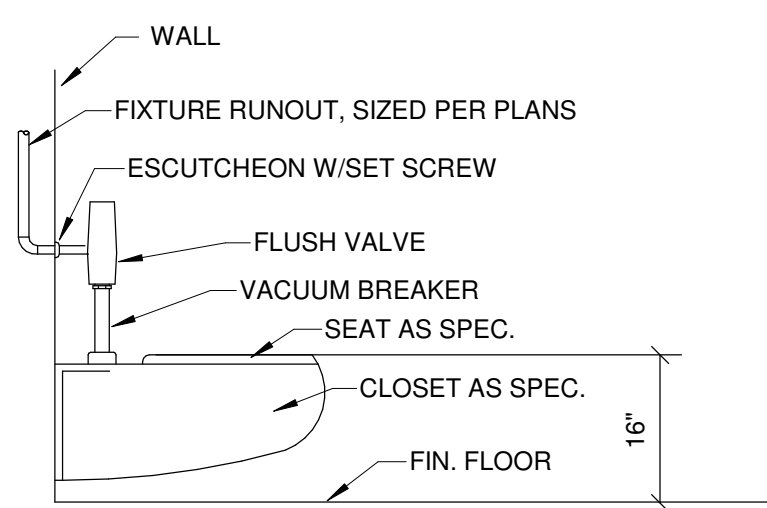
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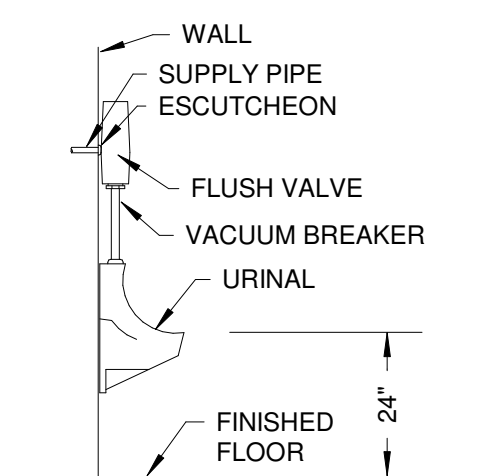
**A** ADULT ADA WATER CLOSET (WC-1) DETAIL  
SCALE: NONE



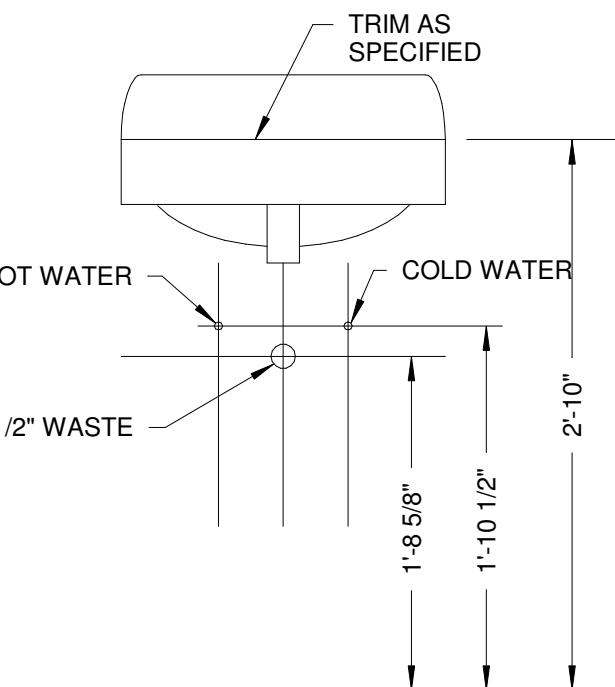
**B** STANDARD WATER CLOSET (WC-2) DETAIL  
SCALE: NONE



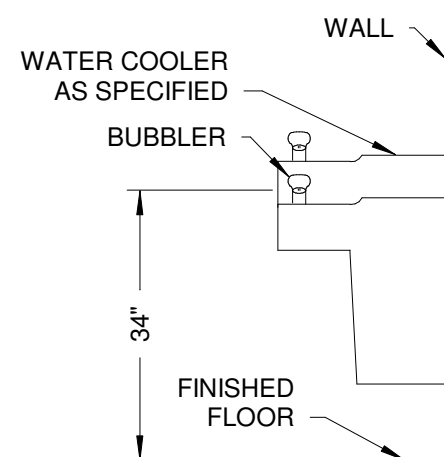
**C** ADA URINAL (U-1) DETAIL  
SCALE: NO SCALE



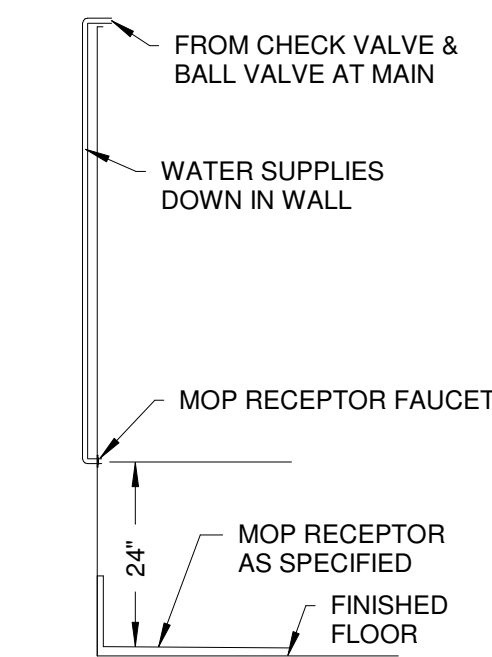
**D** STANDARD URINAL (U-2) DETAIL  
SCALE: NO SCALE



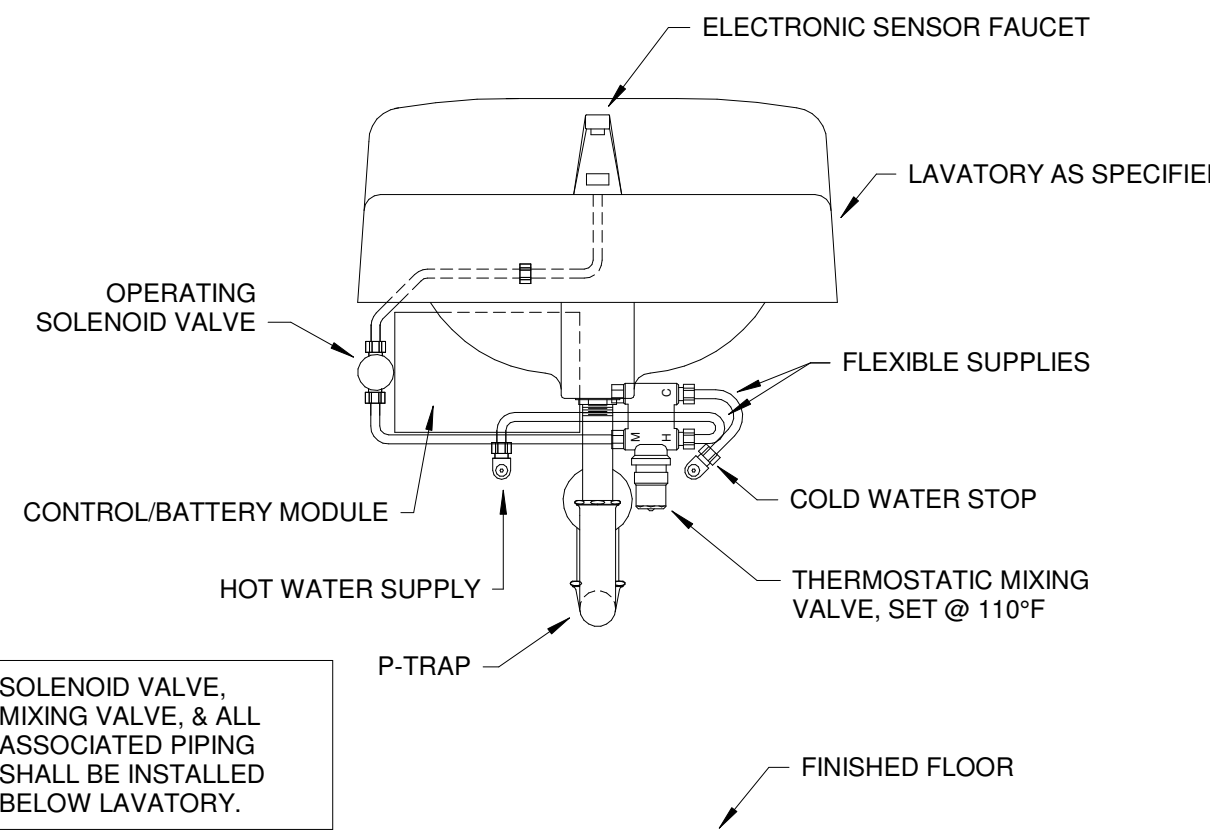
**E** WALL HUNG ADA LAVATORY (L-1) DETAIL Copy 1  
SCALE: NONE



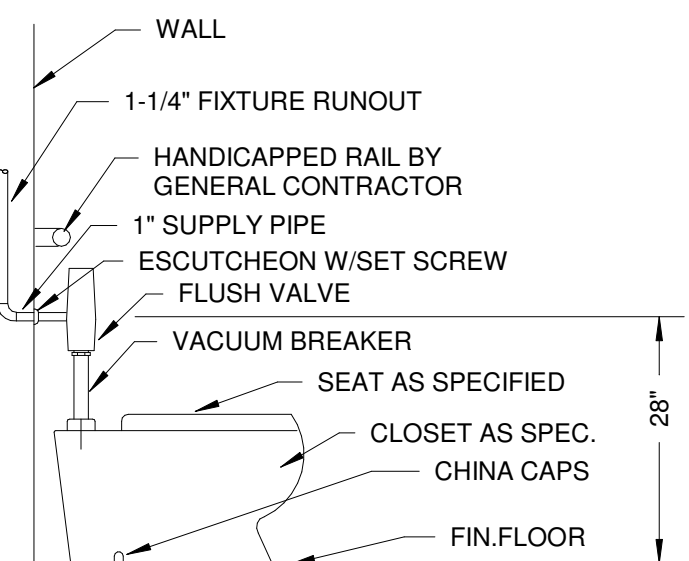
**F** DUAL HEIGHT EWC (EWC-1) DETAIL  
SCALE: NONE



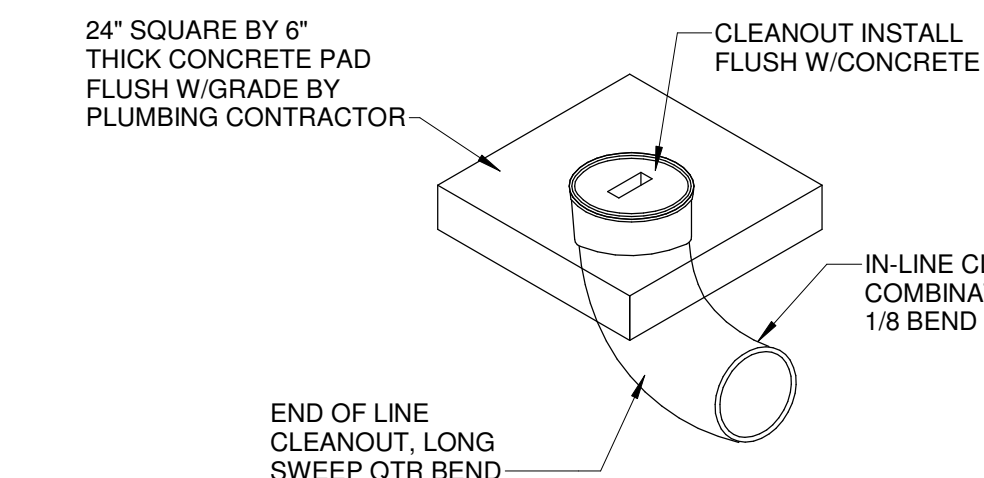
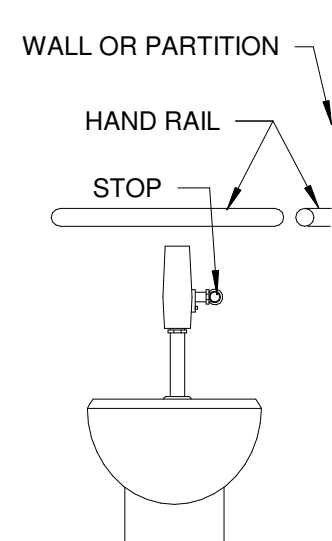
**G** MOP RECEPTOR (MR-1) DETAIL  
SCALE: NONE



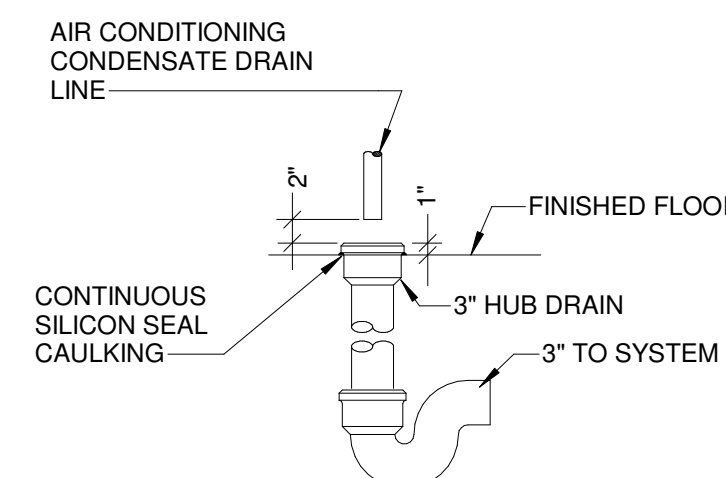
**H** SENSOR LAVATORY (L-1, L-2) FAUCET PIPING DIAGRAM  
SCALE: NO SCALE



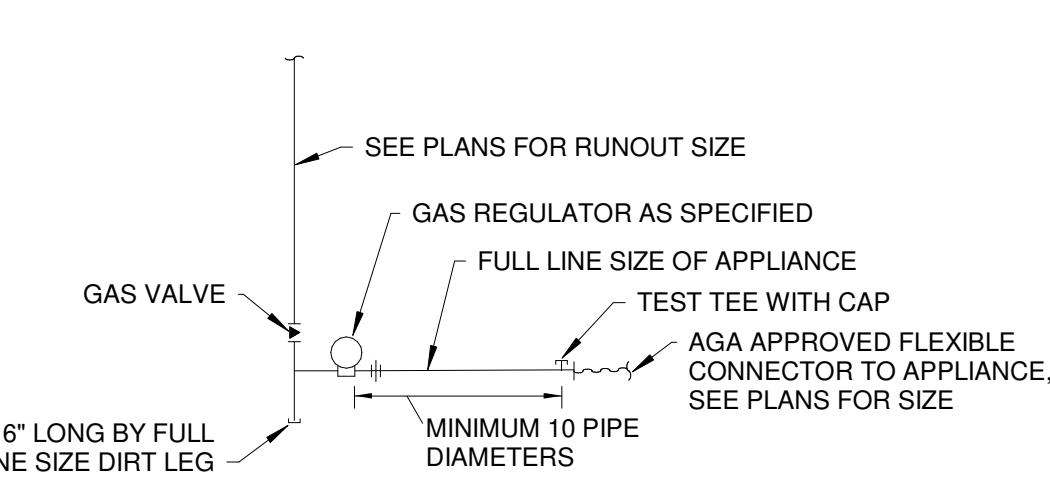
**I** ADULT ADA WATER CLOSET (WC-3) DETAIL  
SCALE: NONE



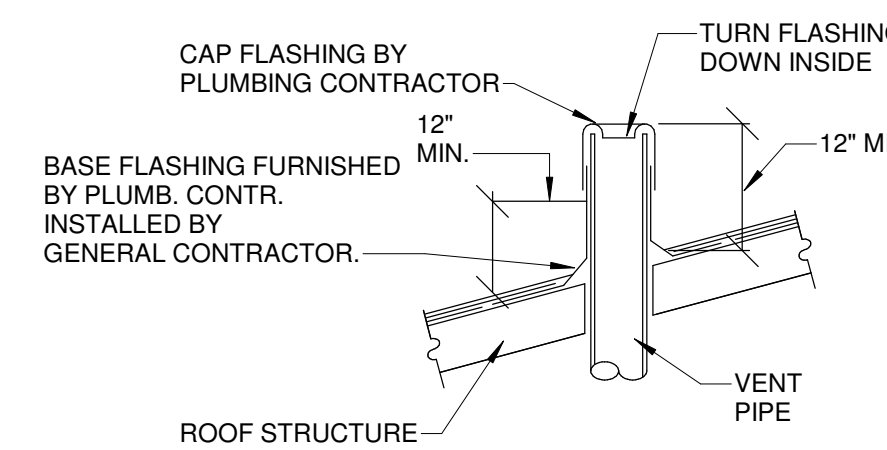
**K** EXTERIOR CLEANOUT DETAIL  
SCALE: NONE



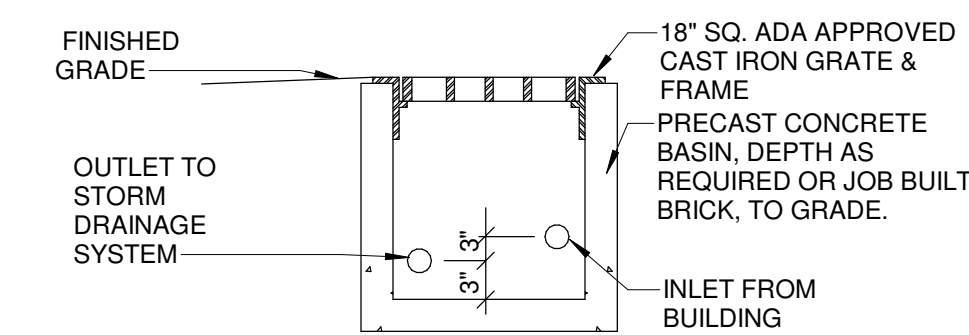
**L** HUB DRAIN (HD-1) DETAIL  
SCALE: NONE



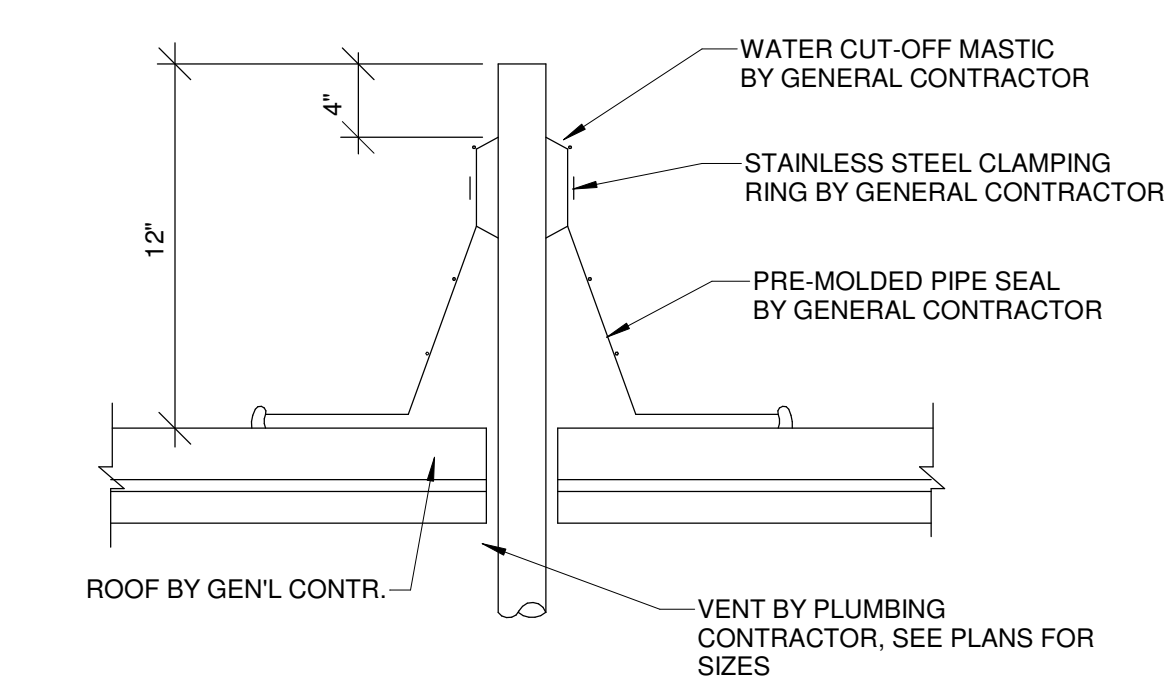
**M** TYPICAL GAS PIPING CONNECTION  
SCALE: NO SCALE



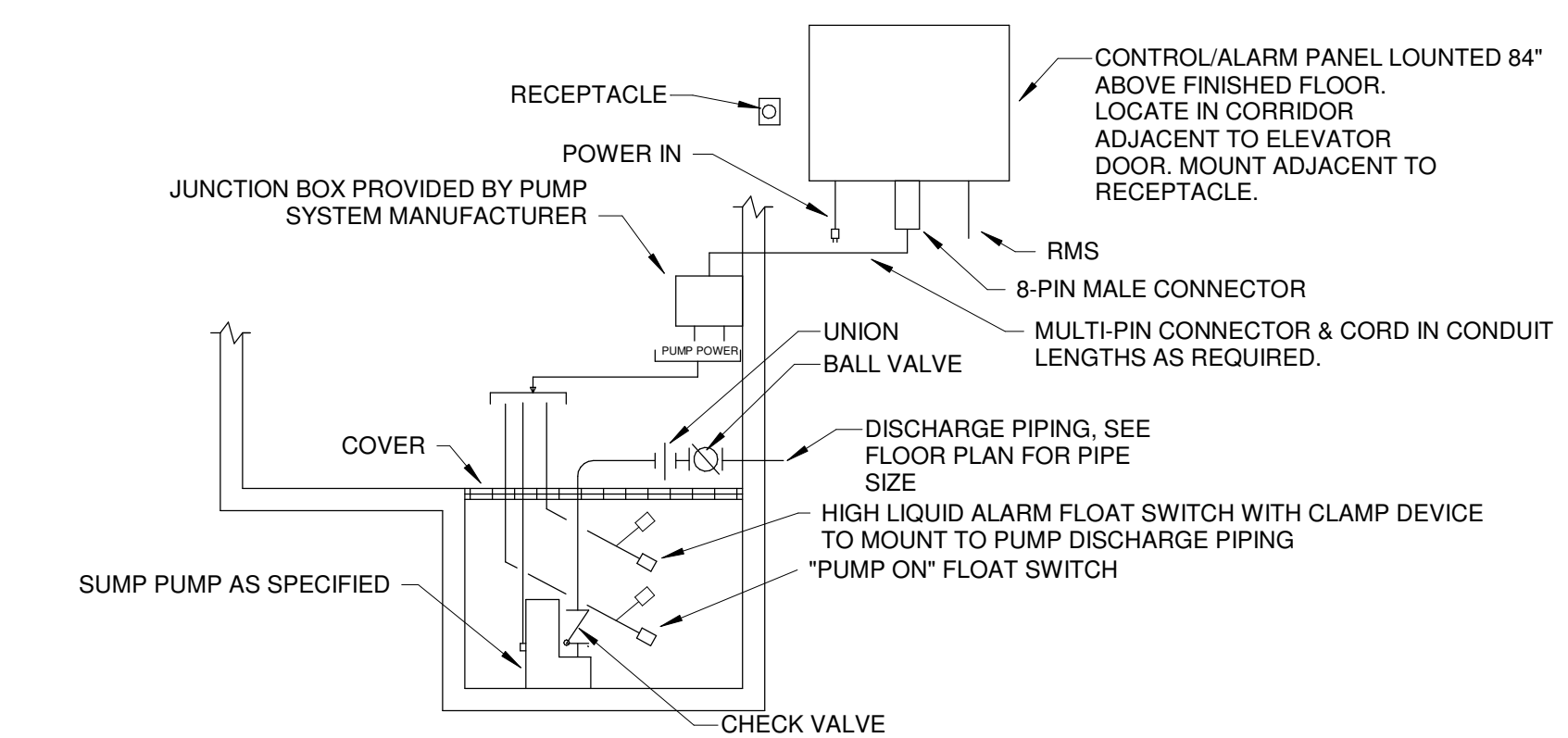
**N** VENT THRU ROOF DETAIL  
SCALE: NONE



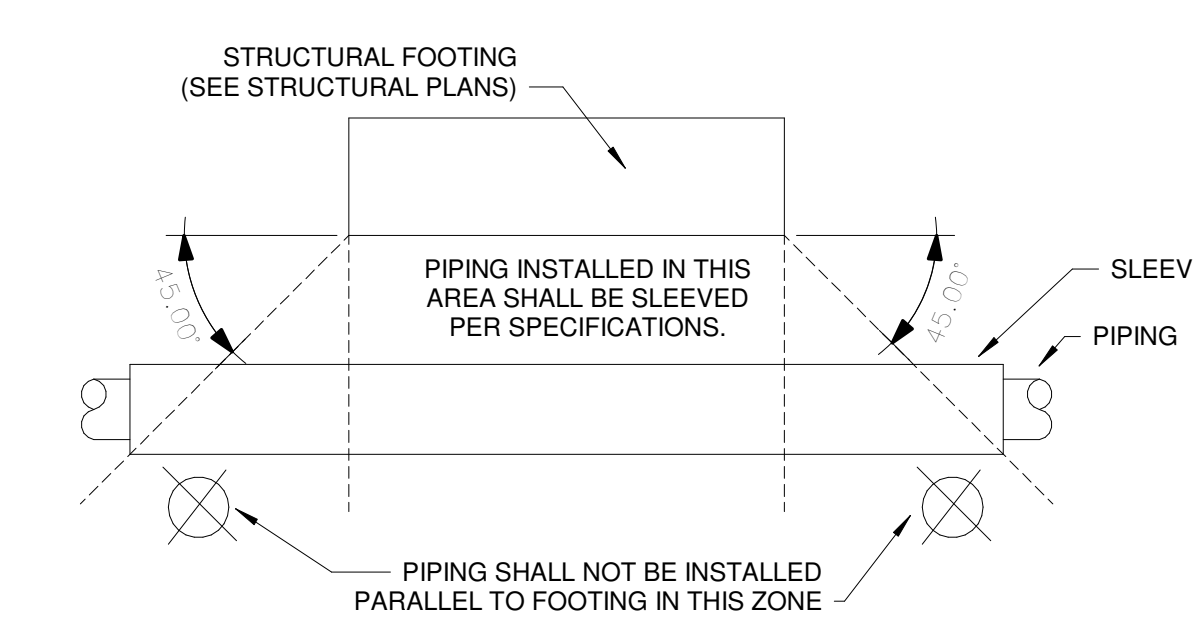
**O** CONDENSATE RELIEF BASIN  
SCALE: NONE



**P** VENT THRU ROOF DETAIL  
SCALE: NONE



**Q** ELEVATOR SUMP PUMP PIPING & WIRING SCHEMATIC  
SCALE: NONE



**R** FOOTING DETAIL  
SCALE: NONE

PLUMBING FIXTURE SCHEDULE						
SYMBOL	DESCRIPTION	ROUGH-IN SIZES			REMARKS	
		WASTE	C.W.	H.W.		
WC-1	WATER CLOSET - WALL HUNG	4"	1-1/4"	-	ADA HEIGHT/DETAIL A/P2-001	
WC-2	WATER CLOSET - WALL HUNG	4"	1-1/4"	-	STANDARD/DETAIL B/P2-001	
WC-3	WATER CLOSET - FLOOR MOUNTED	4"	1-1/4"	-	ADA HEIGHT/DETAIL J/P2-001	
U-1	URINAL	2"	3/4"	-	ADA HEIGHT/DETAIL D/P2-001	
U-2	URINAL	2"	3/4"	-	STANDARD/DETAIL D/P2-001	
L-1	LAVATORY	1-1/2"	1/2"	1/2"	ADA HEIGHT/DETAIL E&H/P2-001	
L-2	COUNTERTOP LAVATORY	1-1/2"	1/2"	1/2"	DETAIL H/P1-001	
SK-1	BREAK ROOM SINK	1-1/2"	1/2"	1/2"	DETAIL G/P2-001	
EW-C-1	ELECTRIC WATER COOLER	1-1/2"	1/2"	-	DUAL HEIGHT/BOTTLE FILLER/DET. F/P2-001	
MR-1	MOP RECEPTOR	3"	1/2"	1/2"	DETAIL K/P2-001	
HB-1	HOSE BIBB	-	1/2"	-	MOUNT 12" AFF	
HB-2	HOSE BIBB IN BOX	-	1/2"	-	MOUNT 12" AFF	
HB-3	WALL HYDRANT	-	3/4"	-	MOUNT 24" AFG	
FD-1	FLOOR DRAIN	3"	-	-		
FD-2	FLOOR DRAIN	4"	-	-		
FD-3	HEAVY DUTY FLOOR DRAIN	4"	-	-		
HD-1	HUB DRAIN	3"	-	-	DETAIL K/P2-001	
CB-1	ICE MAKER CONNECTION BOX	-	1/2"	-		

WATER HEATER SCHEDULE									
SYMBOL	DESCRIPTION	ROUGH-IN SIZES			TEMP. SETTING	STORAGE CAPACITY	RECOVERY	FUEL	LOAD
		C.W.	H.W.						
WH-2	TANK TYPE ELECTRIC WATER HEATER	3/4"	3/4"	140°F	40 GAL.	36 GPH	ELECTRIC	9 kw, 480 V, 3Ø	JANITOR A2205

CIRCULATOR PUMP SCHEDULE							
SYMBOL	GPM	THD	HP	ELECTRICAL VOLTAGE	LOCATION	SERVICE	CONTROL
CP-2	1	6	1/40	115 V, 1Ø	JANITOR A2205	H.W. RETURN	AQUASTAT

## LEGEND

EXW	PIPING TO BE REMOVED (LINE TYPE & NOTES INDICATE SYSTEM)
EXV	EXISTING WASTE PIPING
EXC	EXISTING VENT PIPING
EXRDL	EXISTING CONDENSATE PIPING
EXCW	EXISTING ROOF DRAIN LEADER
EXHW	EXISTING COLD WATER PIPING
EXHWR	EXISTING HOT WATER PIPING
EXG	EXISTING NATURAL GAS PIPING
W	WASTE PIPING
GW	GREASE WASTE PIPING
V	VENT PIPING
GV	GREASE WASTE VENT PIPING
C	CONDENSATE PIPING
RDL	ROOF DRAIN LEADER
CW	COLD WATER PIPING
HW	HOT WATER PIPING
HWR	HOT WATER RETURN PIPING
G	NATURAL GAS PIPING
	BALL/BUTTERFLY VALVE
	BALANCING VALVE
	CHECK VALVE
	GAS VALVE
	SOLENOID VALVE
	VALVE IN RISE
	PIPE ELBOW TURNED DOWN
	PIPE ELBOW TURNED UP
	PIPE TEE TURNED DOWN
	PIPE TEE TURNED UP
	UNION
	STRAINER
	DOUBLE CHECK VALVE BACKFLOW PREVENTER
	REDUCED PRESSURE BACKFLOW PREVENTER
	SHOCK ARRESTER 'A' INDICATES PLUMBING DRAINAGE INSTITUTE STANDARD SIZE
	ASME PRESSURE TEMPERATURE RELIEF VALVE
VTR	VENT THRU ROOF
GVTR	GREASE VENT THRU ROOF
CO	CLEANOUT
ECO	EXTERIOR CLEANOUT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
AFB	ABOVE FINISHED FLOOR
BFB	BELOW FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINISHED GRADE
INV.	INVERT ELEVATION
CNTE	CONNECT NEW TO EXISTING
EXHB	EXISTING HOSE BIBB OR WALL HYDRANT
EXFCO	EXISTING FLOOR CLEAN OUT
EXECO	EXISTING EXTERIOR CLEAN OUT
EXWCO	EXISTING WALL CLEAN OUT
EXFD	EXISTING FLOOR DRAIN
EXHD	EXISTING HUB DRAIN
	4 HOUR FIRE WALL
	2 HOUR FIRE WALL
	1 HOUR FIRE WALL
	UNRATED SMOKE PARTITION
	LETTER INDICATES ELEVATION OR DETAIL
	SHEET NUMBER WHERE PLAN, SECTION, ELEVATION OR DETAIL IS DRAWN

## GENERAL NOTES:

1. EXISTING INFORMATION IS BASED ON A FIELD SURVEY AND EXISTING PLANS. SOME INFORMATION PRESENTED IS ESTIMATED OR ASSUMED BASED ON EXPERIENCE. CONTRACTOR SHALL FIELD VERIFY CONDITIONS DURING THE COURSE OF WORK AND ALERT THE ARCHITECT AND/OR ENGINEER OF DIFFERENCES BETWEEN FIELD CONDITIONS AND THE DRAWINGS THAT WILL PREVENT ANY PORTIONS OF THE PLUMBING SCOPE OF WORK FROM BEING INSTALLED AS DESIGNED.

## TOTAL CONNECTED LOAD

WASTE FIXTURE UNITS =	424 F.U.
GREASE WASTE FIXTURE UNITS =	FUTURE
TOTAL WASTE FIXTURE UNITS =	424 F.U.
COLD WATER DEMAND =	208 GPM
HOT WATER DEMAND =	48 GPM
GAS LOADS	
BUILDING HEATING DEMAND =	17,260 CFH
WATER HEATING DEMAND =	400 CFH
TOTAL CONNECTED LOAD =	17,660 CFH

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

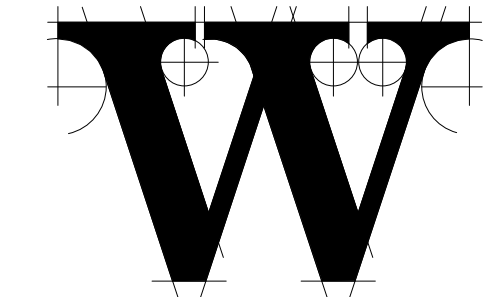
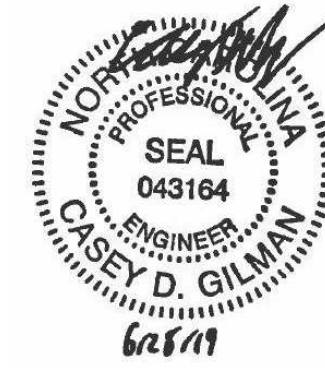


## TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport  
1740 Airport Boulevard, Suite 12  
Wilmington, NC 28405



JOB # 19005



## THE WILSON GROUP ARCHITECTS

PO Box 5510 Charlotte, NC 28299  
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PROJECT MANAGER & CIVIL ENGINEER  
TALBERT & BRIGHT

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LS3P

STRUCTURAL ENGINEER  
STEWART

FP/P/M/E ENGINEER  
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS  
BNP

AIRCRAFT SUPPORT SYSTEMS  
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT  
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## REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

## PLUMBING LEGEND, SCHEDULES, & DETAILS

SHEET NUMBER

P2-001

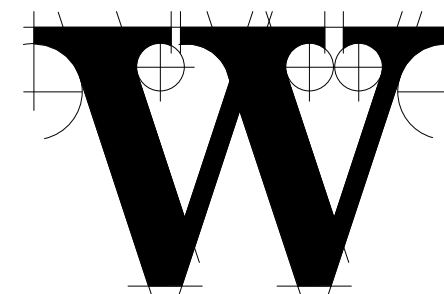


## TERMINAL IMPROVEMENTS CONTRACT 3

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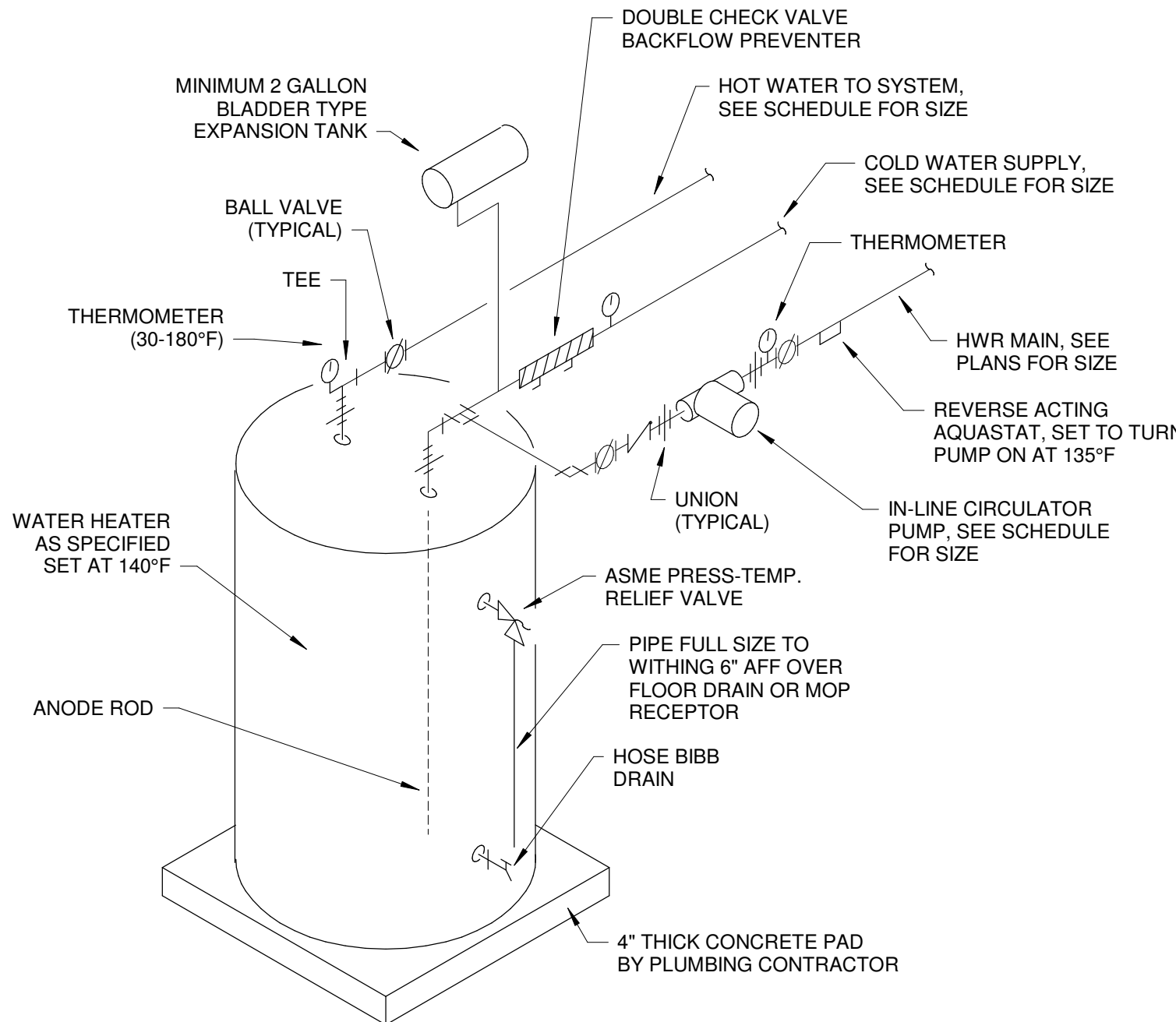
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

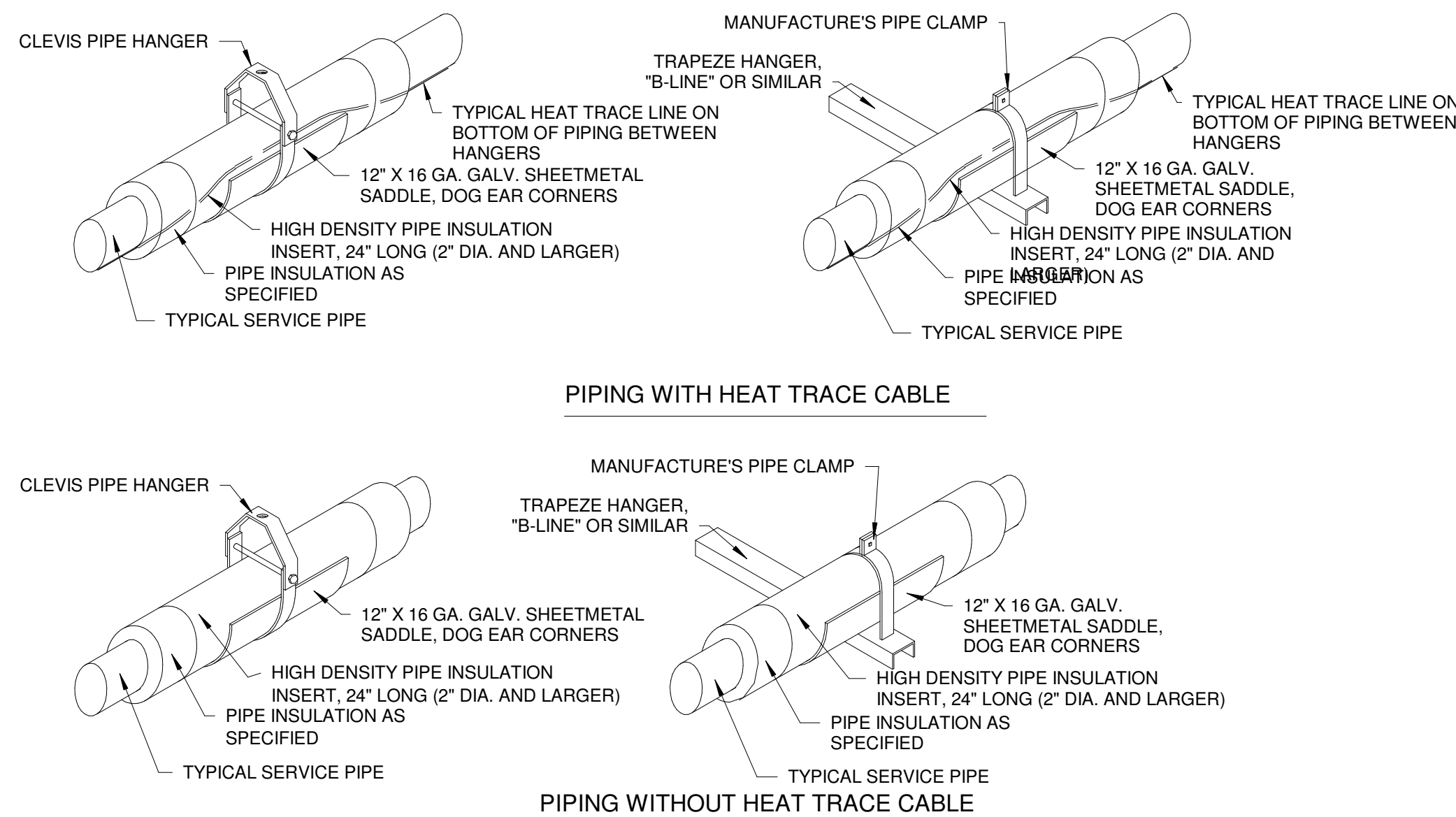
## PLUMBING DETAILS

SHEET NUMBER

P2-002



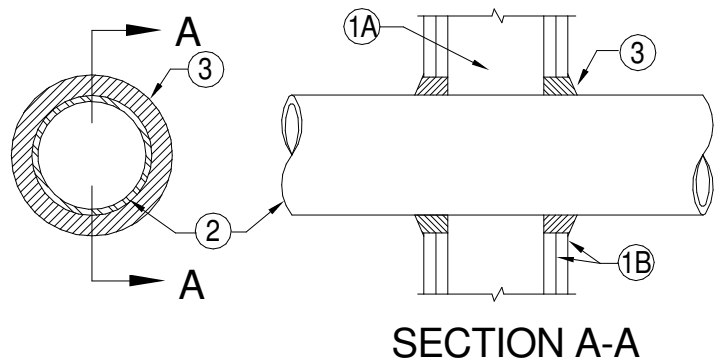
A WATER HEATER (WH-2) PIPING DETAIL  
SCALE: NONE



B PIPE HANGER DETAILS  
SCALE: NONE

### UL SYSTEM No. W-L-1001 (FORMERLY SYSTEM NO. 147)

F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)  
T RATINGS - 0, 1, 2, 3 AND 4 HR (SEE ITEM 3)  
L RATINGS AT AMBIENT - LESS THAN 1 CFM/SQ FT  
L RATINGS AT 400 F - LESS THAN 1 CFM/SQ FT



- WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL UL90 OR UL400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
  - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE-RATED ASSEMBLIES) OR STEEL CHANNEL STUDS, WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3/8 IN. (9.5 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP.
  - GYPSUM BOARD - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD OR BOARD TYPE THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL UL90 OR UL400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA OF OPENING IS 3/4 IN. (19 MM).
  - THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM). PIPE, CONDUIT OR TUBING TO BE FULLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
    - STEEL PIPE - NOM 3/4 IN. (19.1 MM) DIA (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
    - IRON PIPE - NOM 3/4 IN. (19.1 MM) DIA (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 1/2 IN. (12.7 MM) DIA (OR SMALLER) OR CLASS 150 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
    - CONDUIT - NOM 3/4 IN. (19.1 MM) DIA (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
    - COPPER TUBING - NOM 6 IN. (152 MM) DIA (OR SMALLER) TYPE L (OR HEAVIER) COPPER PIPE.
    - COPPER PIPE - NOM 6 IN. (152 MM) DIA (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
  - THROUGH PENETRATING PRODUCT - FILLABLE METAL PRING - THE FOLLOWING TYPES OF STEEL FILLABLE METAL GASKING MAY BE USED:
    - TYPE 1 - 1/2 IN. (38 MM) DIA (OR SMALLER) STEEL FILLABLE METAL GASKING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

- OMEGA FLEX INC.
- NOM 1 IN. (25 MM) DIA (OR SMALLER) STEEL FILLABLE METAL GASKING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
- TEREX CORP.
- A RUDY CO.
- NOM 1 IN. (25 MM) DIA (OR SMALLER) STEEL FILLABLE METAL GASKING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

- WARD INC.
- FILL VOID OR CAVITY MATERIAL - CALK OR SEALANT - MIN 5/8 - 1-1/4 IN. (7/8 - 32 MM) THICK, 3/4 IN. (19 MM) DIA (OR SMALLER) CALK OR SEALANT. THE CALK OR SEALANT SHALL BE FULLY APPLIED WITH AN ANNUAL FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIA (OR SMALLER) OF CALK OR SEALANT SHALL BE APPLIED TO THE JOINT INTERFERENCE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOUR F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOUR F RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE.

MAX PIPE DIA IN.	F RATING HR	T RATING HR
1	3 OR 4	3 OR 4
2	3 OR 4	3 OR 4
3	3 OR 4	3 OR 4
4	3 OR 4	3 OR 4

\* WHEN COPPER PIPE USED, T RATING IS 0 HR.  
3M COMPANY - CP 25W-6 - CALK OR FB-3000 WT SEALANT,  
\* BEARING THE UL CLASSIFICATION MARKING

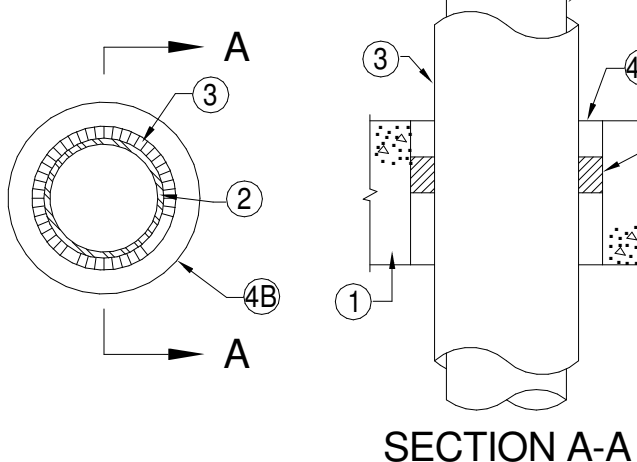
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NOTE: DETAIL FOR REFERENCE ONLY. THE CONTRACTOR SHALL INSTALL FIRE PROOFING IN COMPLETE ACCORDANCE WITH ITS UL LISTING AND PENETRATION SYSTEM INSTALLATION INSTRUCTIONS.

C U.L. DETAIL W-L-1001 Copy 1  
SCALE: 1/4" = 1'-0"

### UL SYSTEM No. CA-J-5002 (FORMERLY SYSTEM NO. 91-B)

(F RATINGS - 2 AND 3 HR (SEE ITEM 1A AND 4)  
T RATING - 0, 1/2 AND 1 HR (SEE ITEM 1A AND 4)  
L RATING AT AMBIENT - 2 CFM/SQ FT  
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



- FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE, AS AN ALTERNATE, ANY MIN 2-1/2 HR FIRE RATED 750, 1000 OR 1200 SERIES FLOOR, CEILING OR DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MIN 3/16 IN. THICKNESS OF LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE TOPPING OVER THE STEEL DECK MAY BE USED. MAX DIA OF OPENING IS 3/4 IN. (19 MM).
- THROUGH - PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX 2 IN. (51 MM). PENETRANT TO BE FULLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF PENETRANTS MAY BE USED:
  - STEEL PIPE - NOM 10 IN. DIA (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
  - IRON PIPE - NOM 10 IN. DIA (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - COPPER PIPE - NOM 10 IN. DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOM 6 IN. DIA (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
  - PACKING MATERIAL - MIN 2 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION, PACKED INTO OPENING AS A PERMANENT FORM. WHEN CP 604 SEALANT IS USED (SEE ITEM 3B), MIN. THICKNESS OF PACKING MATERIAL IS 1/4 IN. (6 MM) DIA (OR SMALLER) OF FLOOR IS 1-1/2 IN. (38 MM) DIA (OR SMALLER) OF WALL. THE MAX PIPE SIZE AND THE PIPE COVERING THICKNESS, AS SHOWN IN THE FOLLOWING TABLE.

MAX PIPE DIA IN.	F RATING HR	T RATING HR
1	3 OR 4	3 OR 4
2	3 OR 4	3 OR 4
3	3 OR 4	3 OR 4
4	3 OR 4	3 OR 4

3M COMPANY - FS-105+  
B. FILL VOID OR CAVITY MATERIALS - CALK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE (OVER EDGES OF WRAP STRIP LAYERS) TO A MIN. DEPTH OF 1/2 IN. FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.  
3M COMPANY - CP 25W-6 - CALK OR FB-3000 WT SEALANT,  
\* BEARING THE UL CLASSIFICATION MARKING

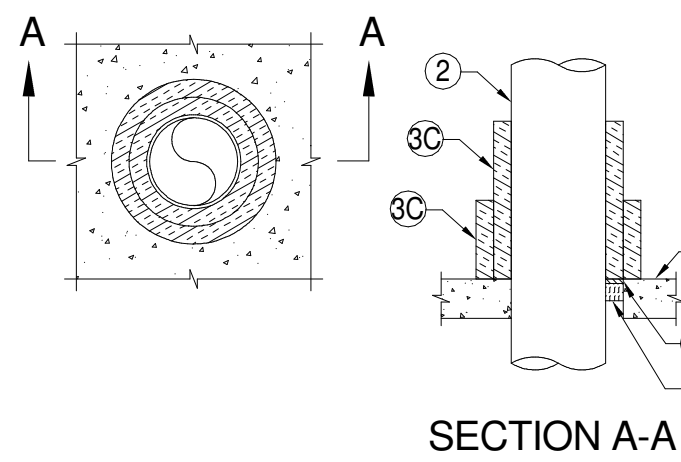
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NOTE: DETAIL FOR REFERENCE ONLY. THE CONTRACTOR SHALL INSTALL FIRE PROOFING IN COMPLETE ACCORDANCE WITH ITS UL LISTING AND PENETRATION SYSTEM INSTALLATION INSTRUCTIONS.

D U.L. DETAIL CA-J-5002 Copy 1  
SCALE: 1/4" = 1'-0"

### UL SYSTEM No. F-A-1105 F RATINGS - 2 HR T RATING - 0

L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT  
L RATING AT 400 F - 4 CFM/SQ FT  
W RATING - CLASS 1 (SEE ITEM 3B)



- FLOOR ASSEMBLY - MIN. 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE, AS AN ALTERNATE, ANY MIN 2-1/2 HR FIRE RATED 750, 1000 OR 1200 SERIES FLOOR, CEILING OR DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MIN 3/16 IN. THICKNESS OF LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE TOPPING OVER THE STEEL DECK MAY BE USED. MAX DIA OF OPENING IS 3/4 IN. (19 MM).
- THROUGH - PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX 2 IN. (51 MM). PENETRANT TO BE FULLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF PENETRANTS MAY BE USED:
  - STEEL PIPE - NOM 10 IN. DIA (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
  - IRON PIPE - NOM 10 IN. DIA (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - COPPER PIPE - NOM 10 IN. DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOM 6 IN. DIA (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
  - PACKING MATERIAL - MIN 2 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION, PACKED INTO OPENING AS A PERMANENT FORM. WHEN CP 604 SEALANT IS USED (SEE ITEM 3B), MIN. THICKNESS OF PACKING MATERIAL IS 1/4 IN. (6 MM) DIA (OR SMALLER) OF FLOOR IS 1-1/2 IN. (38 MM) DIA (OR SMALLER) OF WALL. THE MAX PIPE SIZE AND THE PIPE COVERING THICKNESS, AS SHOWN IN THE FOLLOWING TABLE.

MAX PIPE DIA IN.	F RATING HR	T RATING HR
1	3 OR 4	3 OR 4
2	3 OR 4	3 OR 4
3	3 OR 4	3 OR 4
4	3 OR 4	3 OR 4

HLTI CONSTRUCTION CHEMICALS, DIV OF HLTI, INC. - FS-000 SEALANT OR CP 604 SELF-LEVELING GROUT SEALANT  
W RATING APPLIES ONLY WHEN CP 604 SEALANT IS USED.

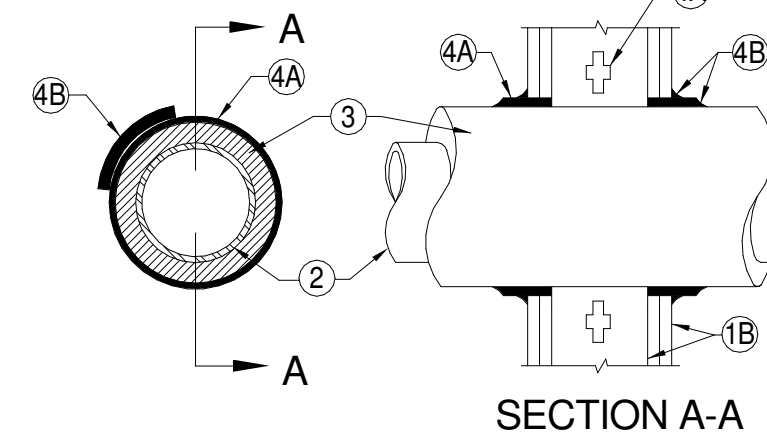
C. DUCT WRAP MATERIAL - NOM 2 IN. THICK ENCAPSULATED DUCT WRAP TIGHTLY WRAPPED AROUND PENETRANT, EXTENDING 3 IN. ABOVE FLOOR, AN ADDITIONAL LAYER OF NOM 2 IN. THICK ENCAPSULATED DUCT WRAP TIGHTLY WRAPPED AROUND FIRST LAYER OF DUCT WRAP TO EXTEND 12 IN. ABOVE FLOOR. ALL LONGITUDINAL SEAMS OF BOTH LAYERS OF DUCT WRAP AND JOINTS BETWEEN LAYERS OF DUCT WRAP ARE SEALED WITH FOIL TAPE. ONE OF THE FOLLOWING WRAP MAY BE USED:

NOTE: DETAIL FOR REFERENCE ONLY. THE CONTRACTOR SHALL INSTALL FIRE PROOFING IN COMPLETE ACCORDANCE WITH ITS UL LISTING AND PENETRATION SYSTEM INSTALLATION INSTRUCTIONS.

E U.L. DETAIL F-A-1105 Copy 1  
SCALE: 1/4" = 1'-0"

### UL SYSTEM No. W-L-5001 (FORMERLY SYSTEM NO. 147)

F RATINGS - 1 AND 2 HR (SEE ITEM 1)  
T RATINGS - 3/4, 1, AND 1-1/2 HR (SEE ITEM 3)  
L RATINGS AT AMBIENT - 2 CFM/SQ FT  
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



- WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL UL90, UL400 OR UL400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
  - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3/8 IN. (9.5 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.
  - GYPSUM BOARD - NOM 5/8 IN. (16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL UL90 OR UL400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA OF OPENING IS 3/4 IN. (19 MM).
  - THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE FULLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
    - STEEL PIPE - NOM 1/2 IN. (12.7 MM) DIA (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
    - COPPER TUBING - NOM 6 IN. (152 MM) DIA (OR SMALLER) TYPE L (OR HEAVIER) COPPER PIPE.
    - COPPER PIPE - NOM 6 IN. (152 MM) DIA (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
    - PIPE COVERING - NOM 1 IN. OR 2 IN. (25 MM OR 51 MM) THICK HOLLOW CYLINDRICAL HEAT RESISTANT GLASS FIBER UNITS, INSTALLED ON THE OUTSIDE WITH AN INSULATIVE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENERS OR FACTORY APPLIED SELF-SEALING LAP TAPE. WHEN NOM 1 IN. (25 MM) THICK PIPE COVERING IS USED, THE ANNULAR SPACE BETWEEN THE PIPE COVERING AND THE CIRCULAR CUTOUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL SHALL BE MIN 1/4 IN. TO MAX 3/8 IN. (6 MM) TO MAX 1/2 IN. (12.7 MM) DIA (OR SMALLER) OF FLOOR IS 1-1/2 IN. (38 MM) DIA (OR SMALLER) OF WALL. THE MAX PIPE SIZE AND THE PIPE COVERING THICKNESS, AS SHOWN IN THE FOLLOWING TABLE.

MAX PIPE DIA IN.	F RATING HR	T RATING HR
1	3 OR 4	3 OR 4
2	3 OR 4	3 OR 4
3	3 OR 4	3 OR 4
4	3 OR 4	3 OR 4

HLTI CONSTRUCTION CHEMICALS, DIV OF HLTI, INC. - FS-000 SEALANT OR CP 604 SELF-LEVELING GROUT SEALANT  
W RATING APPLIES ONLY WHEN CP 604 SEALANT IS USED.

C. DUCT WRAP MATERIAL - NOM 2 IN. THICK ENCAPSULATED DUCT WRAP TIGHTLY WRAPPED AROUND PENETRANT, EXTENDING 3 IN. ABOVE FLOOR, AN ADDITIONAL LAYER OF NOM 2 IN. THICK ENCAPSULATED DUCT WRAP TIGHTLY WRAPPED AROUND FIRST LAYER OF DUCT WRAP TO EXTEND 12 IN. ABOVE FLOOR. ALL LONGITUDINAL SEAMS OF BOTH LAYERS OF DUCT WRAP AND JOINTS BETWEEN LAYERS OF DUCT WRAP ARE SEALED WITH FOIL TAPE. ONE OF THE FOLLOWING WRAP MAY BE USED:

NOTE: DETAIL FOR REFERENCE ONLY. THE CONTRACTOR SHALL INSTALL FIRE PROOFING IN COMPLETE ACCORDANCE WITH ITS UL LISTING AND PENETRATION SYSTEM INSTALLATION INSTRUCTIONS.

F U.L. DETAIL W-L-5001 Copy 1  
SCALE: 1/4" = 1'-0"

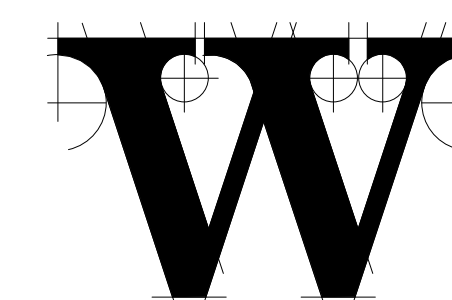
FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.



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**JOB #** 19005



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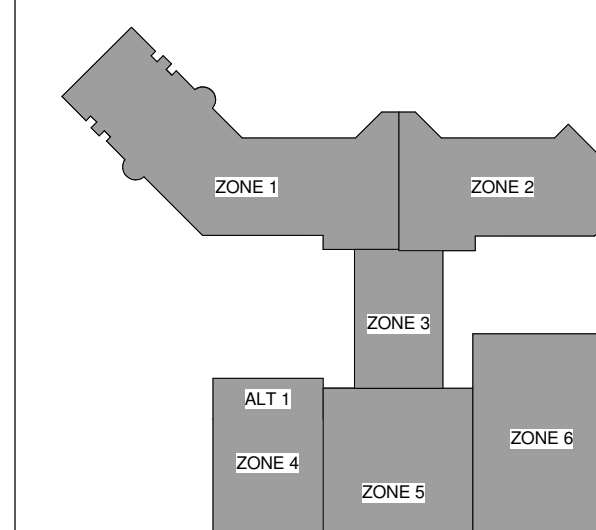
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## SIGNAGE & WAYFINDING

## TAKEFORM



## KEY PLAN

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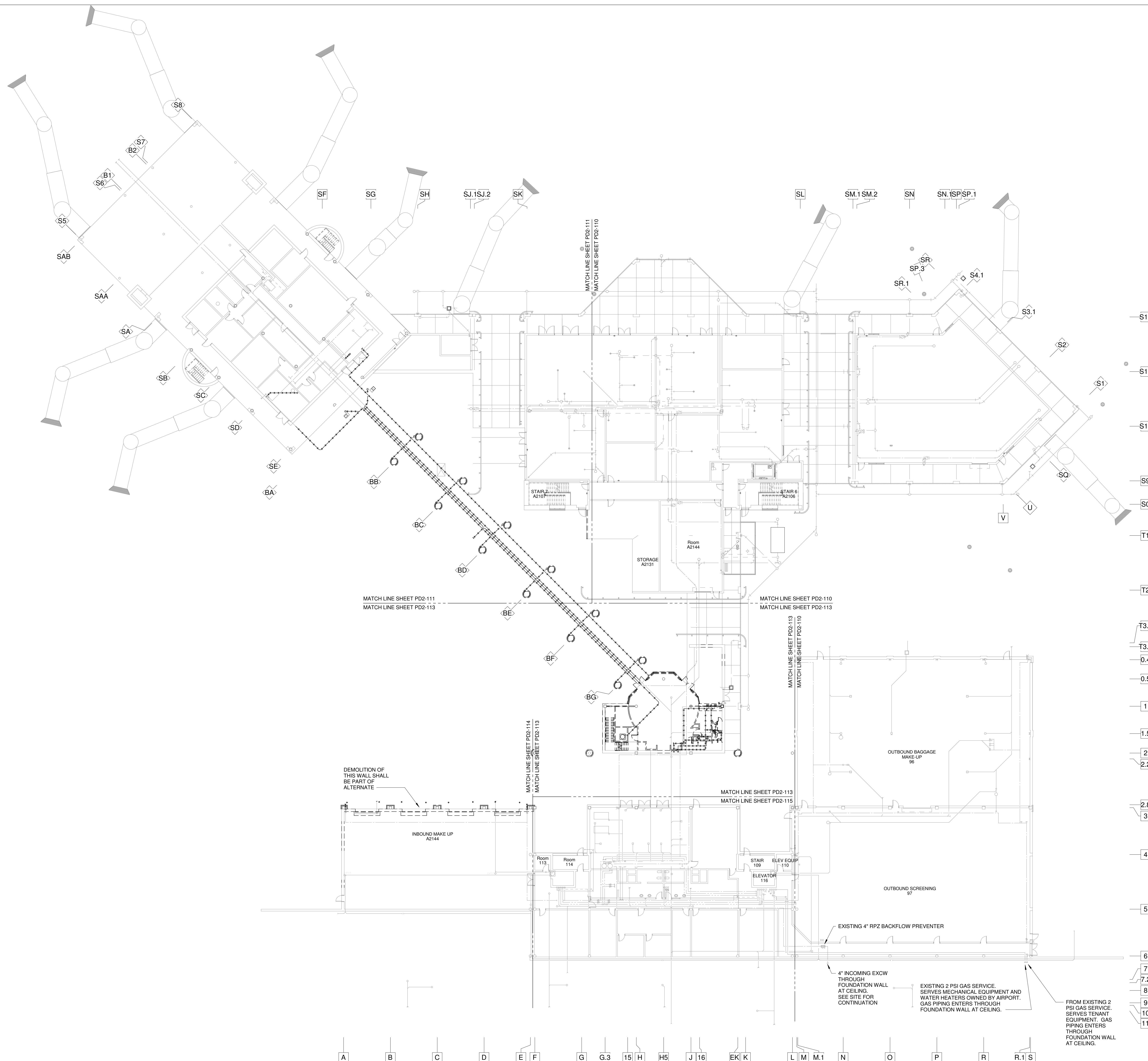
## REVISIONS

DATE	06/28/19
PROJECT NUMBER	9202-000
SHEET TITLE	

SCHEDULE 2 -  
RAMP LEVEL  
OVERALL DEMO  
PLAN PLUMBING

SHEET NUMBER

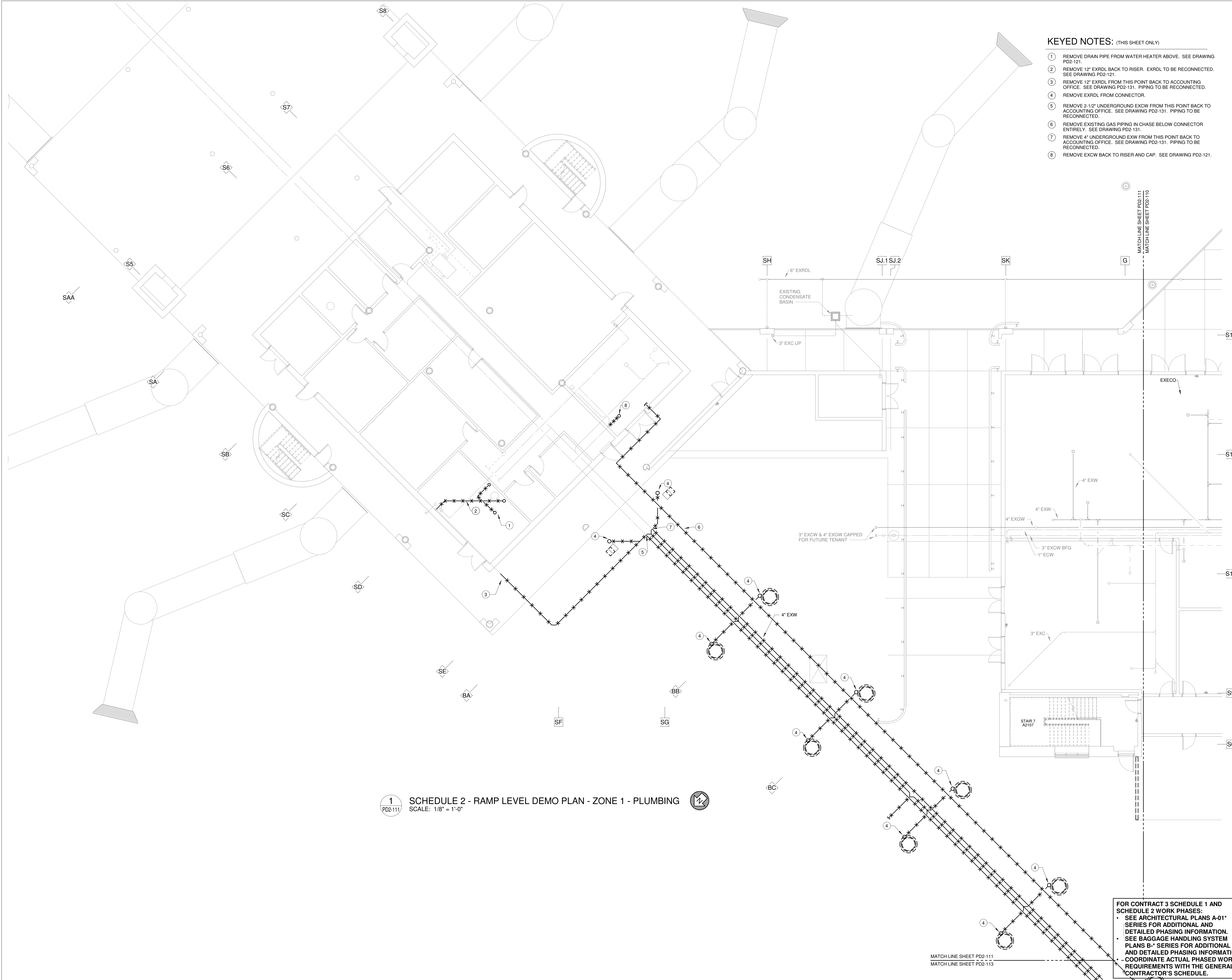
PD2-110



**1** SCHEDULE 2 - RAMP LEVEL - OVERALL DEMO PLAN - PLUMBING  
PD2-110 SCALE: 1" = 20'-0"

**FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:**

- SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.
- SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.
- COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.



- KEYED NOTES:** (THIS SHEET ONLY)
- 1 REMOVE DRAIN PIPE FROM WATER HEATER ABOVE. SEE DRAWING PD2-121.
  - 2 REMOVE 12" EXRD BACK TO RISER. EXRD TO BE RECONNECTED. SEE DRAWING PD2-121.
  - 3 REMOVE 12" EXRD FROM THIS POINT BACK TO ACCOUNTING OFFICE. SEE DRAWING PD2-131. PIPING TO BE RECONNECTED.
  - 4 REMOVE EXRD FROM CONNECTOR.
  - 5 REMOVE 2-1/2" UNDERGROUND EXCW FROM THIS POINT BACK TO ACCOUNTING OFFICE. SEE DRAWING PD2-131. PIPING TO BE RECONNECTED.
  - 6 REMOVE EXISTING GAS PIPING IN CHASE BELOW CONNECTOR ENTIRELY. SEE DRAWING PD2-131.
  - 7 REMOVE 4" UNDERGROUND EXW FROM THIS POINT BACK TO ACCOUNTING OFFICE. SEE DRAWING PD2-131. PIPING TO BE RECONNECTED.
  - 8 REMOVE EXCW BACK TO RISER AND CAP. SEE DRAWING PD2-121.

**ILM**

**TERMINAL IMPROVEMENTS CONTRACT 3**

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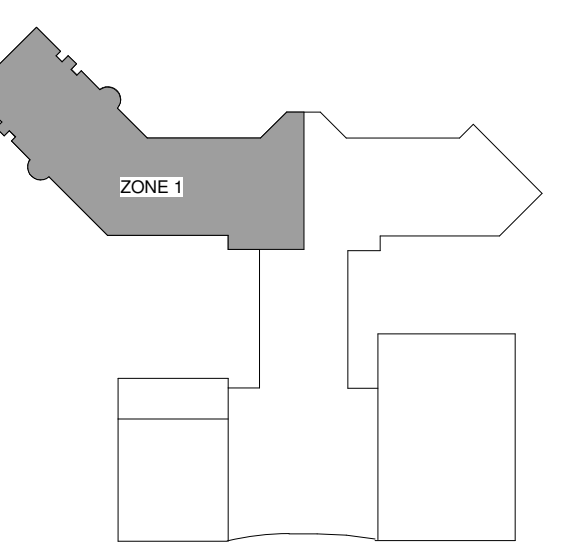
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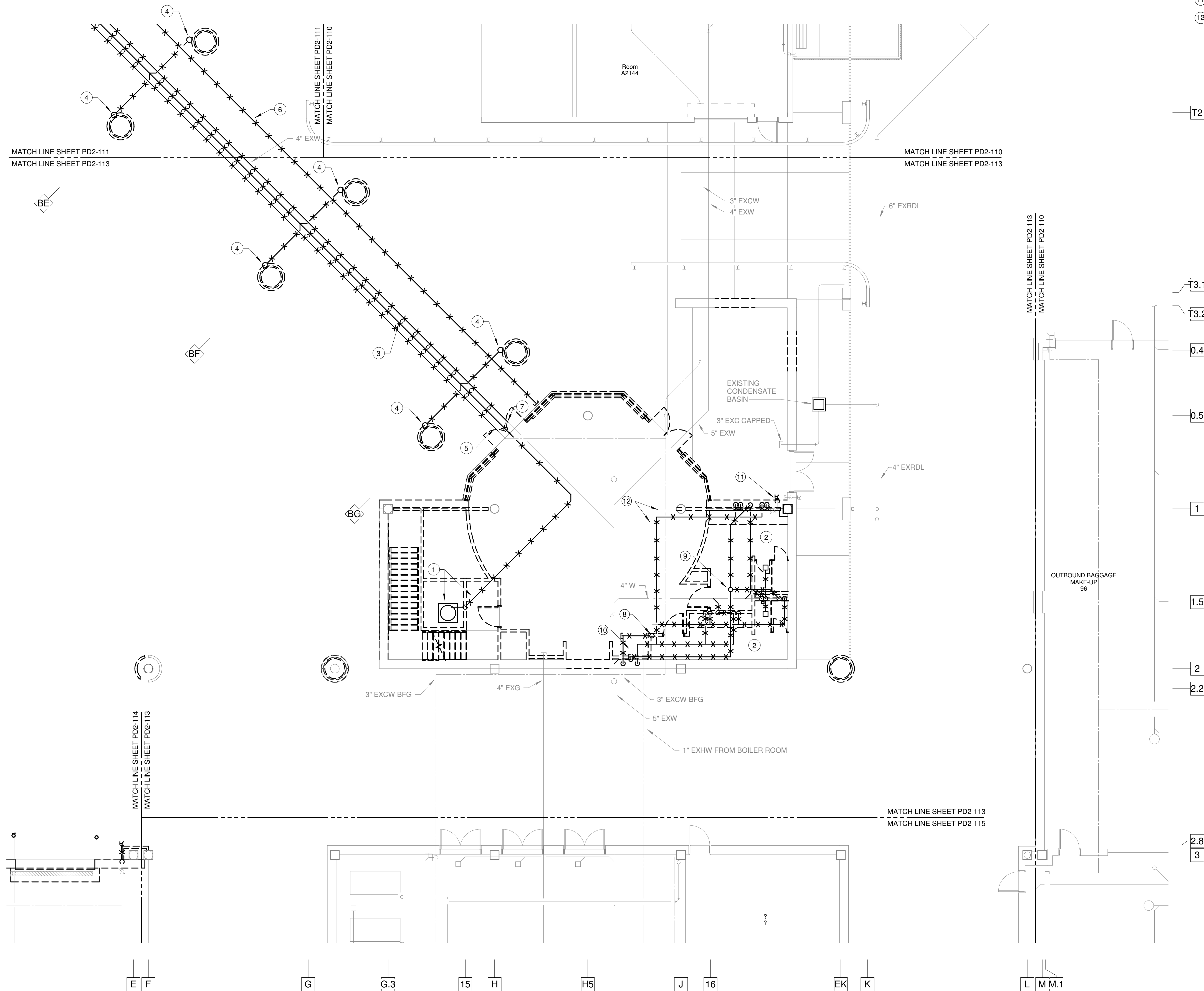
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 2 - RAMP LEVEL DEMO PLAN ZONE 1 PLUMBING**

SHEET NUMBER  
**PD2-111**

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.



- KEYED NOTES: (THIS SHEET ONLY)
- 1 REMOVE EXISTING ELEVATOR SUMP PUMP AND ASSOCIATED DISCHARGE PIPING ENTIRELY.
  - 2 EXISTING RESTROOMS TO BE DEMOLISHED. REMOVE ALL CW, HW, W, AND V PIPING BACK TO POINTS INDICATED. ALL W PIPING SHALL BE DEMOLISHED BACK TO MAIN AND CAPPED.
  - 3 REMOVE EXRD. BACK TO HOLD ROOM. SEE DRAWING PD2-111.
  - 4 REMOVE EXRD. FROM CONNECTOR.
  - 5 REMOVE 2-1/2" UNDERGROUND EXCW FROM THIS POINT BACK TO HOLD ROOM. SEE DRAWING PD2-111. CAP PIPING.
  - 6 REMOVE EXISTING GAS PIPING IN CHASE BELOW CONNECTOR ENTIRELY. SEE DRAWING PD2-111.
  - 7 REMOVE 4" UNDERGROUND EXW FROM THIS POINT BACK TO HOLD ROOM. SEE DRAWING PD2-111. PIPING TO BE RECONNECTED.
  - 8 REMOVE EXISTING 2" CW RISER TO BELOW SLAB AND CAP. 2" CW PIPING ABOVE CEILING TO BE RECONNECTED.
  - 9 REMOVE EXISTING AIR ADMITTANCE VALVE.
  - 10 REMOVE EXISTING SINK AND CONNECTED PIPING AS INDICATED.
  - 11 REMOVE EXISTING WALL HYDRANT. REMOVE EXISTING CW PIPING TO ABOVE CEILING. CW PIPING TO BE RECONNECTED.
  - 12 EXCW SERVING WALL HYDRANT TO REMAIN AND BE RECONNECTED.

1 PD2-113 SCHEDULE 2 - RAMP LEVEL DEMO PLAN - ZONE 3 - PLUMBING  
SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

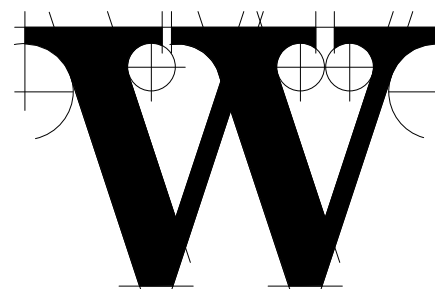


TERMINAL  
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CONTRACT 3

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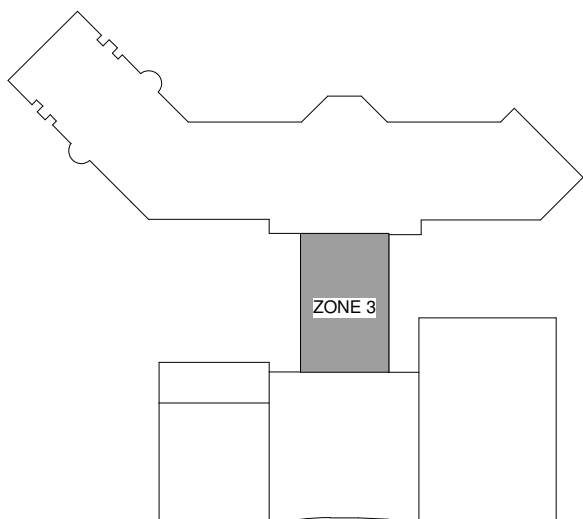
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REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
DEMO PLAN ZONE  
3 PLUMBING

SHEET NUMBER

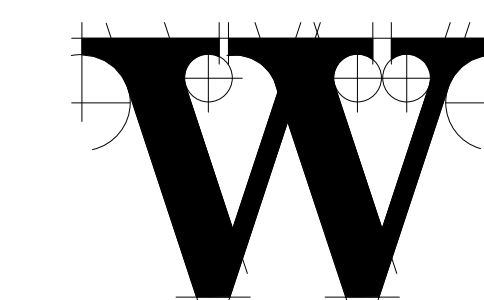
PD2-113



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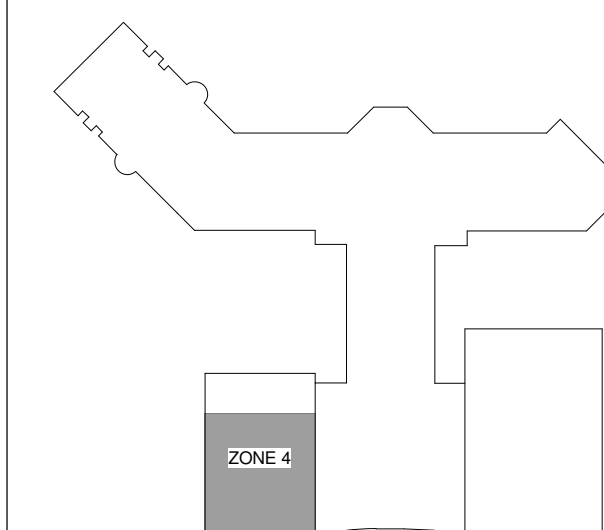
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DATE	06/28/19
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SHEET TITLE	

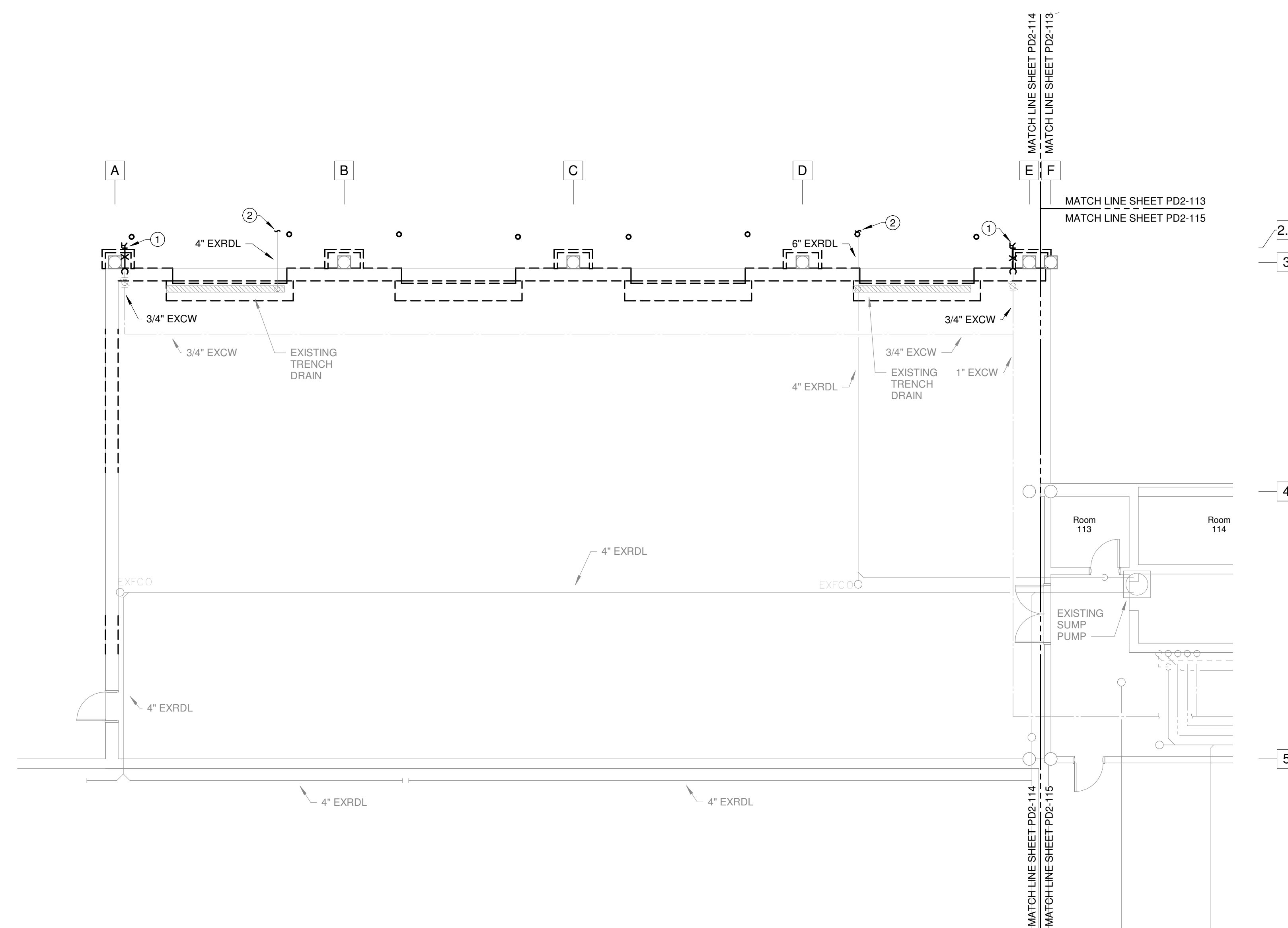
SCHEDULE 2 -  
RAMP LEVEL  
DEMO PLAN ZONE  
4 PLUMBING  
ALTERNATE 1

SHEET NUMBER

PD2-114

KEYED NOTES: (THIS SHEET ONLY)

- ① REMOVE EXISTING WALL HYDRANT AND CONNECTED PIPING BACK TO CEILING LEVEL. PIPING TO BE RECONNECTED.
- ② EXISTING TRENCH DRAIN OUTLET TO BE EXTENDED.



1 SCHEDULE 2 - RAMP LEVEL DEMO PLAN - ZONE 4 - PLUMBING  
PD2-114 SCALE: 1/8" = 1'-0"



NOTE: UNLESS OTHERWISE NOTED, WORK INDICATED ON THIS SHEET SHALL BE PRICED AS PART OF ALTERNATE 1.

**FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:**

- **SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.**
- **SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.**
- **COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.**

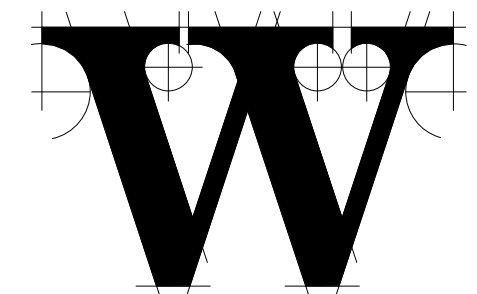


TERMINAL  
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CONTRACT 3

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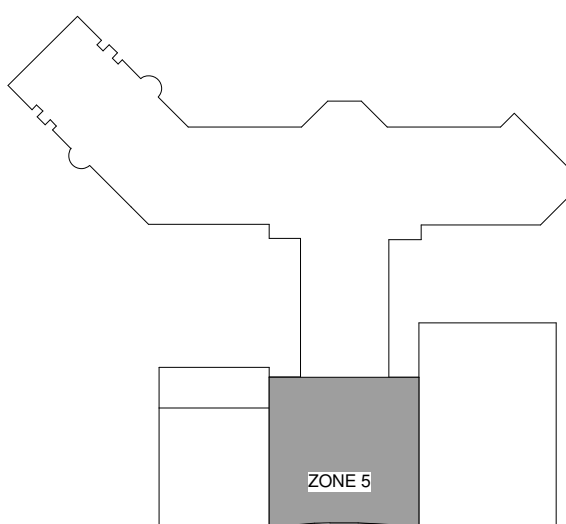
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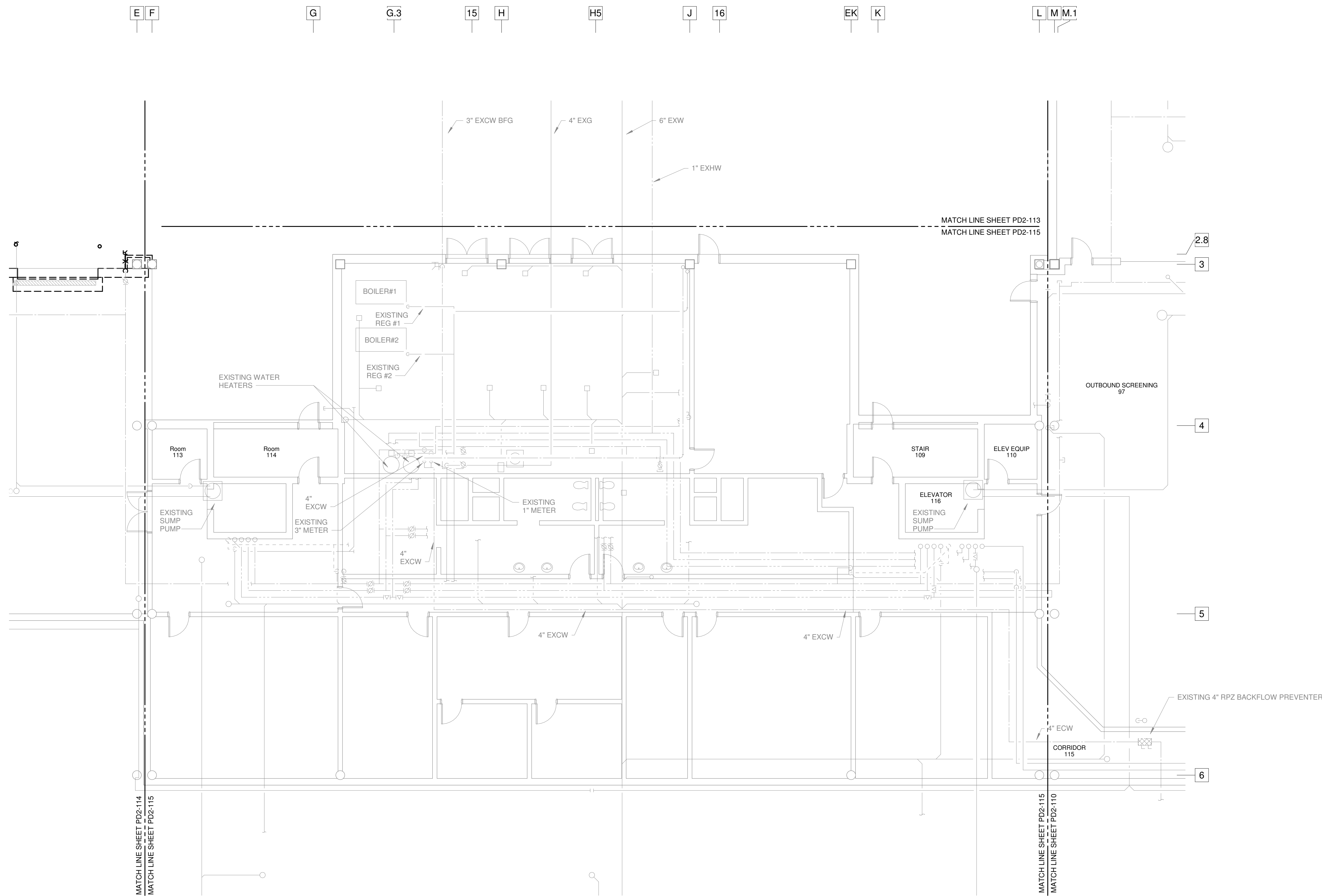
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
DEMO PLAN ZONE  
5 PLUMBING

SHEET NUMBER

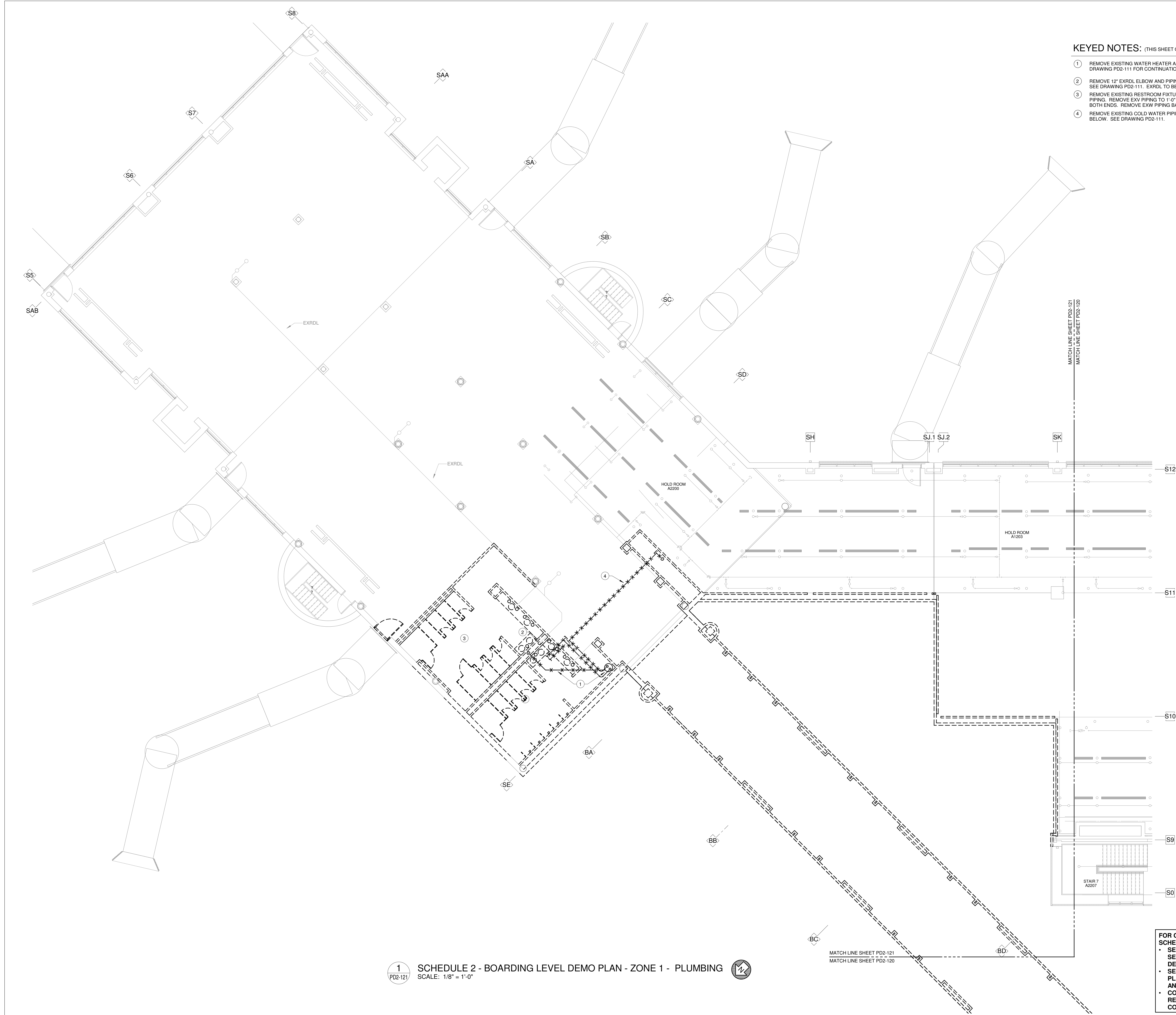
PD2-115



1 SCHEDULE 2 - RAMP LEVEL DEMO PLAN - ZONE 5 - PLUMBING  
PD2-115 SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.





- KEYED NOTES: (THIS SHEET ONLY)
- 1 REMOVE EXISTING WATER HEATER AND CONNECTED PIPING. SEE DRAWING PD2-111 FOR CONTINUATION OF DRAIN PIPE.
  - 2 REMOVE 12" EXRDL ELBOW AND PIPING DOWN TO LEVEL BELOW. SEE DRAWING PD2-111. EXRDL TO BE RECONNECTED.
  - 3 REMOVE EXISTING RESTROOM FIXTURES AND ALL ASSOCIATED PIPING. REMOVE EXV PIPING TO 1'-0" BELOW VTR AND CAP AT BOTH ENDS. REMOVE EXW PIPING BACK TO MAIN AND CAP.
  - 4 REMOVE EXISTING COLD WATER PIPING ENTIRELY BACK TO LEVEL BELOW. SEE DRAWING PD2-111.

1 SCHEDULE 2 - BOARDING LEVEL DEMO PLAN - ZONE 1 - PLUMBING  
PD2-121 SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

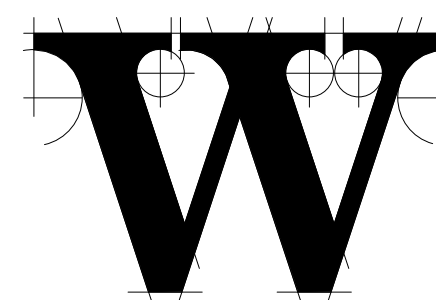
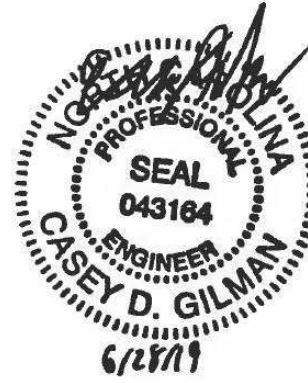


TERMINAL  
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CONTRACT 3

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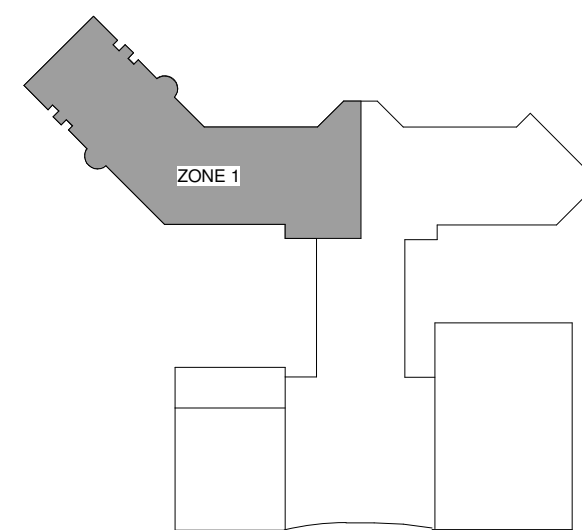
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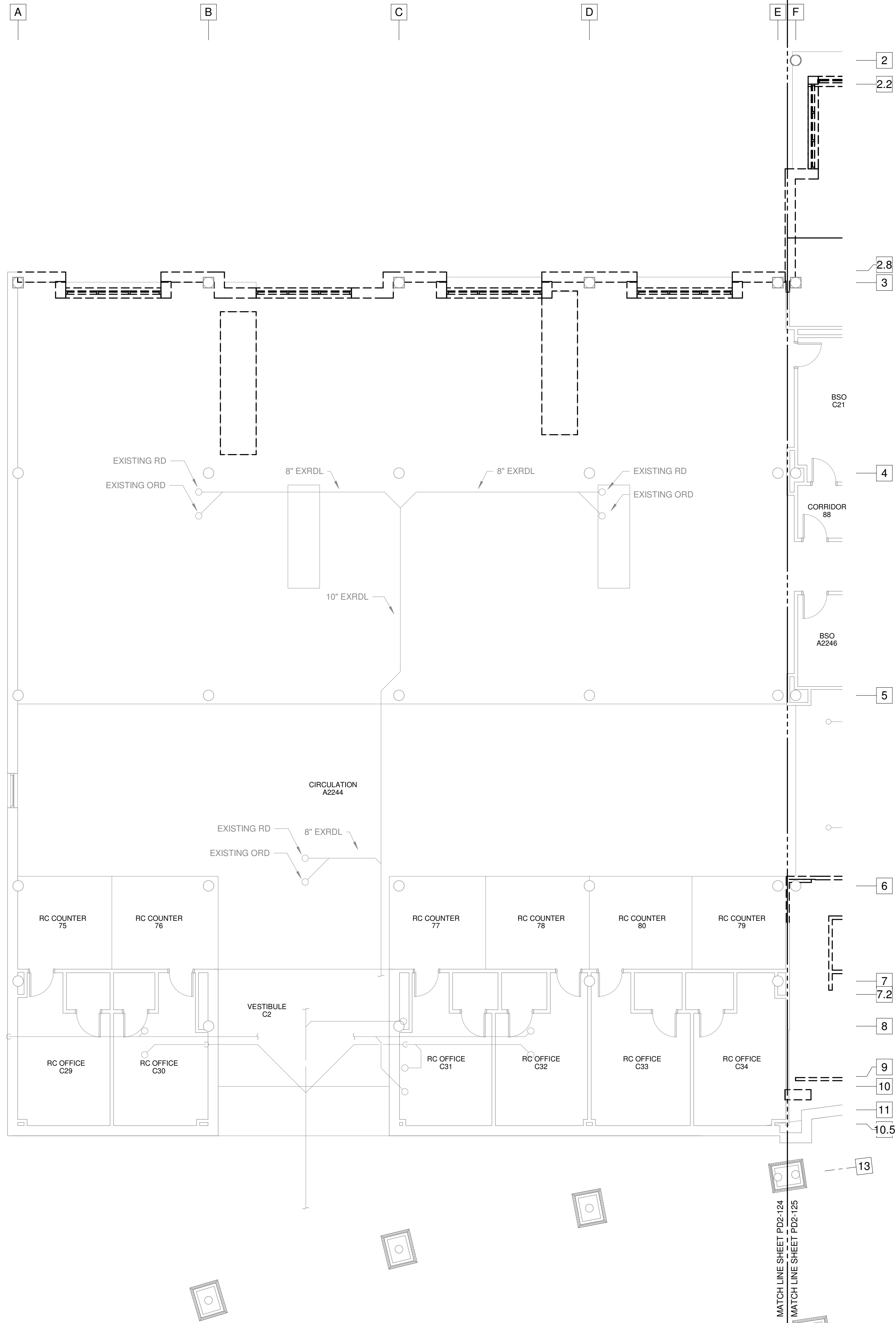
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
BOARDING LEVEL  
DEMO PLAN ZONE  
1 PLUMBING

SHEET NUMBER

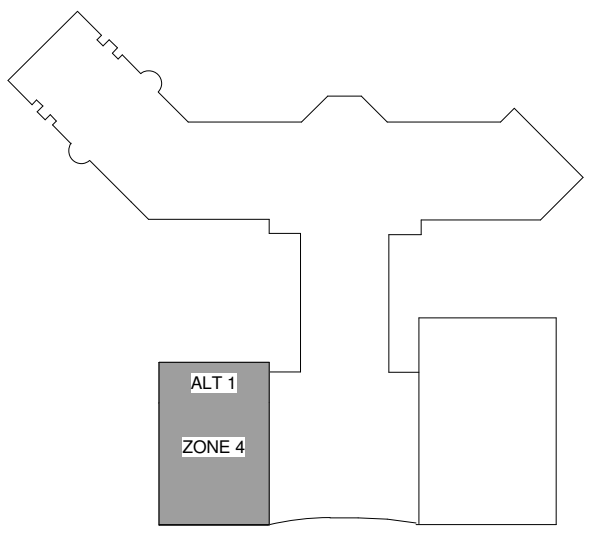
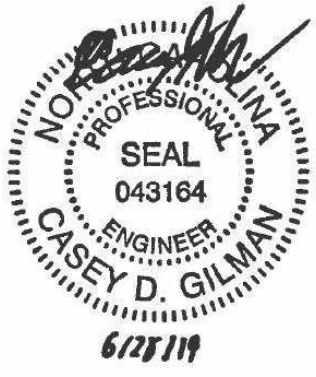
PD2-121

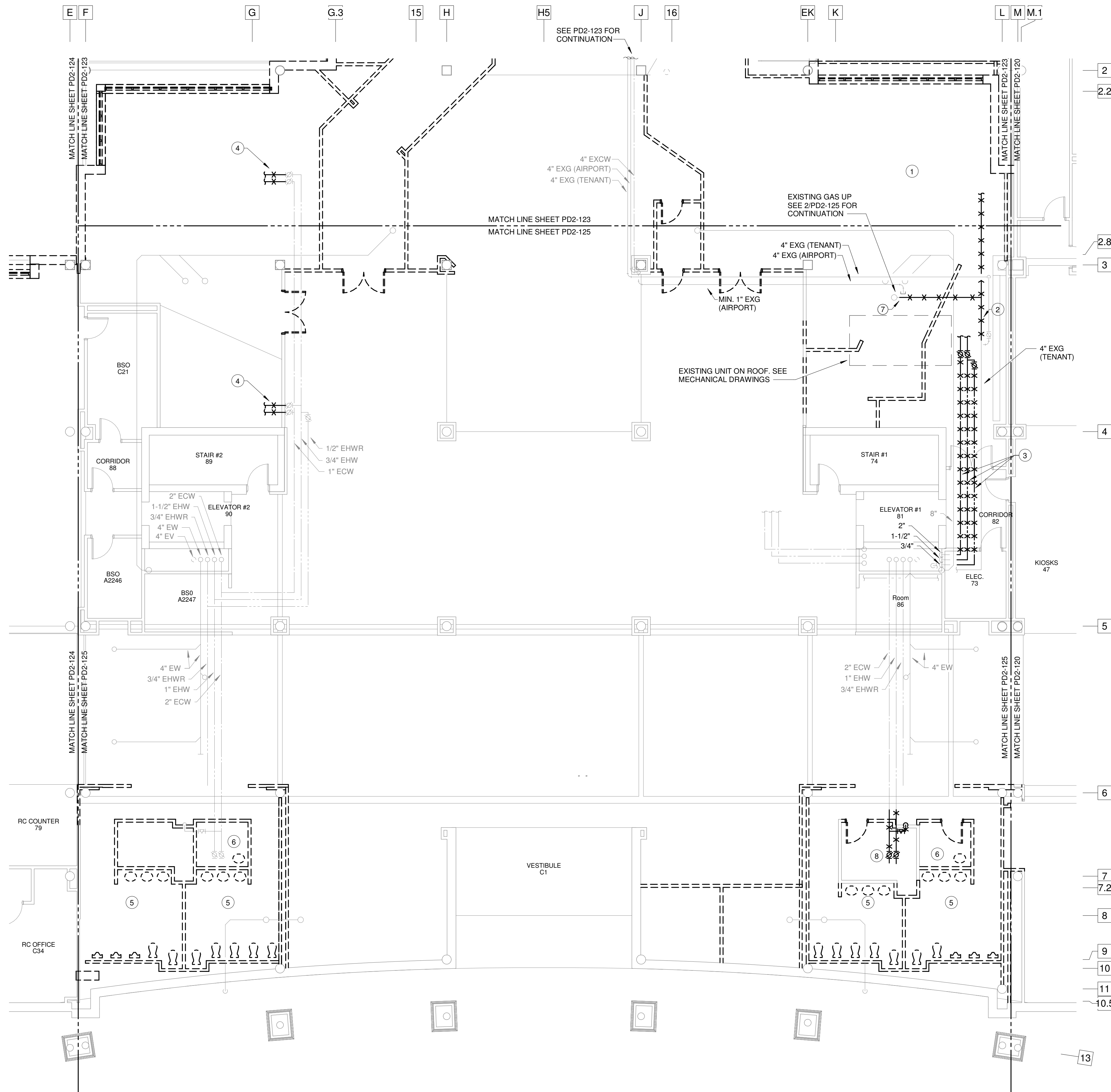


1 SCHEDULE 2 - TICKET LEVEL DEMO PLAN - ZONE 4 - PLUMBING  
PD2-124 SCALE: 1/8" = 1'-0"

NOTE: UNLESS OTHERWISE NOTED, WORK INDICATED ON THIS SHEET SHALL BE PRICED AS PART OF ALTERNATE 1.

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

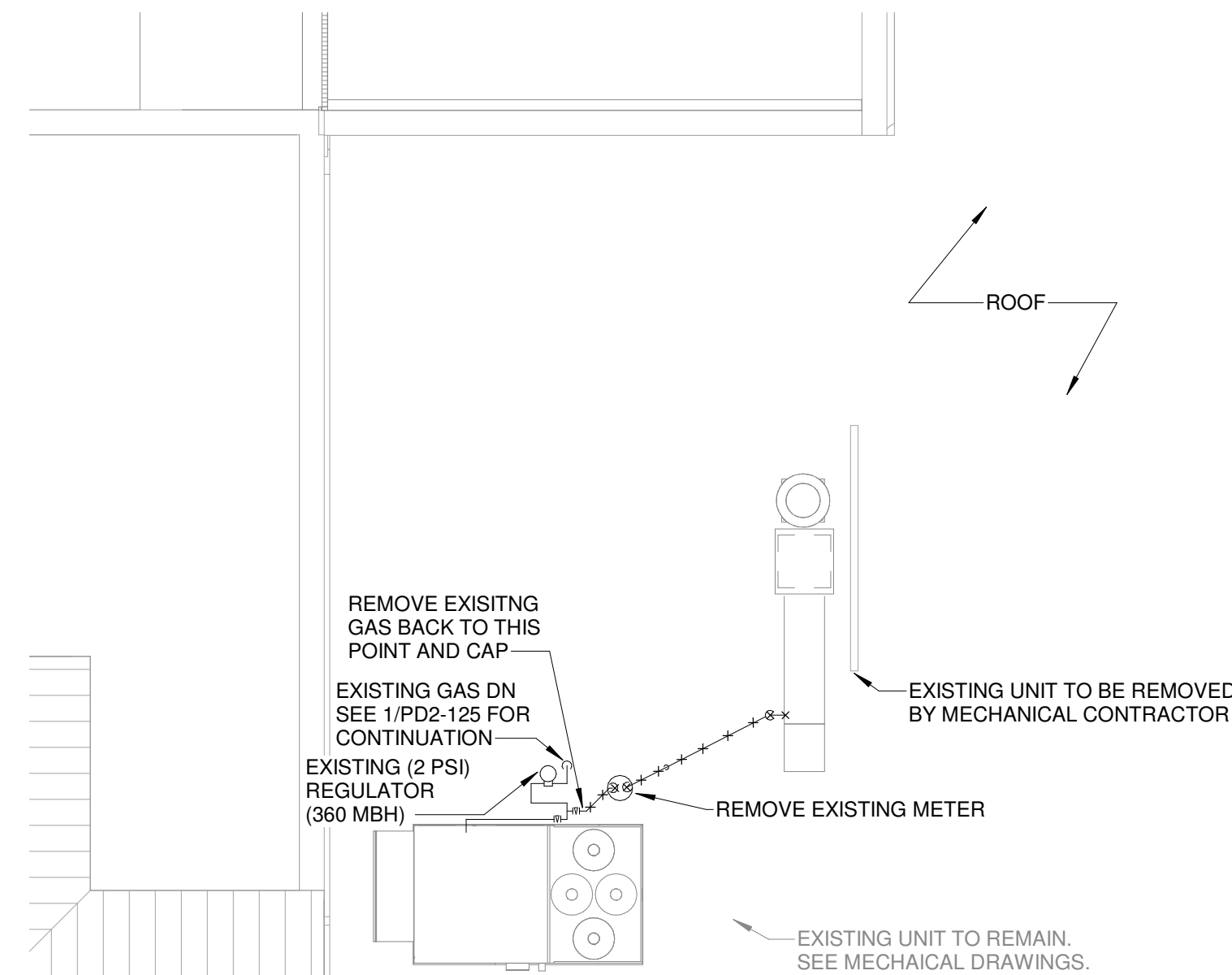




**1**  
PD2-125  
SCHEDULE 2 - TICKET LEVEL DEMO PLAN - ZONE 5 - PLUMBING  
SCALE: 1/8" = 1'-0"

**KEYED NOTES:** (THIS SHEET ONLY)

- 1 REMOVE EXISTING PLUMBING FIXTURES AND EXISTING PIPING FROM TENANT SPACE. REMOVE VENT PIPING BACK TO 1'-0" BELOW VTR AND CAP AT BOTH ENDS. REMOVE WASTE PIPING BACK TO MAIN AND CAP.
- 2 REMOVE EXISTING GAS PIPING BACK TO INCREASE IN SIZE TO 4". EXG TO BE RECONNECTED.
- 3 REMOVE EXCW, EXHW, & EXHWR PIPING SERVING TENANT SPACE BACK TO CHASE. CAP EXCW. EXHW & EXHWR TO BE RECONNECTED.
- 4 REMOVE EXISTING HW AND CW SERVING TENANT BACK TO VALVE AND CAP. REMOVE EXISTING VENT PIPING TO VTR AND CAP AT BOTH ENDS. REMOVE EXISTING WASTE PIPING BACK TO MAIN AND CAP.
- 5 REMOVE EXISTING PLUMBING FIXTURES FROM RESTROOM. REMOVE EXISTING DOMESTIC WATER PIPING BACK TO VALVES. CAP EXISTING DOMESTIC CW. EXISTING HW AND EXISTING HWR TO BE REUSED. REMOVE EXISTING VENT PIPING BACK TO VTR. VTR TO BE REUSED. REMOVE EXISTING WASTE PIPING BACK TO DROP TO RAMP LEVEL. WASTE TO BE REUSED. SEE P2-201 FOR NEW WORK.
- 6 REMOVE EXISTING PLUMBING FIXTURES AND EXISTING PIPING FROM CHANGING ROOM BACK TO MAINS AND CAP.
- 7 REMOVE EXISTING GAS PIPING BACK TO RISE TO UNIT ON ROOF. GAS PIPING TO BE RECONNECTED.
- 8 REMOVE EXISTING DOMESTIC WATER PIPING RUNNING OVER EXISTING ELECTRICAL ROOM AS INDICATED. SEE P2-201 FOR NEW WORK.



**2**  
PD2-125  
ROOF GAS PIPING DEMO PLAN  
SCALE: 1/8" = 1'-0"

2/PD2-125 NOTE: GAS PIPING NOT DRAWN TO SCALE

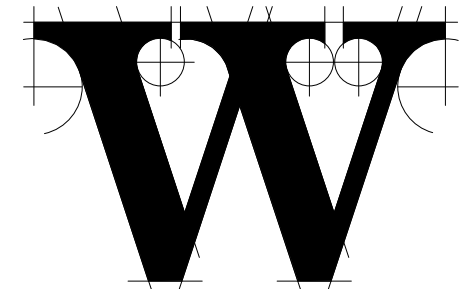


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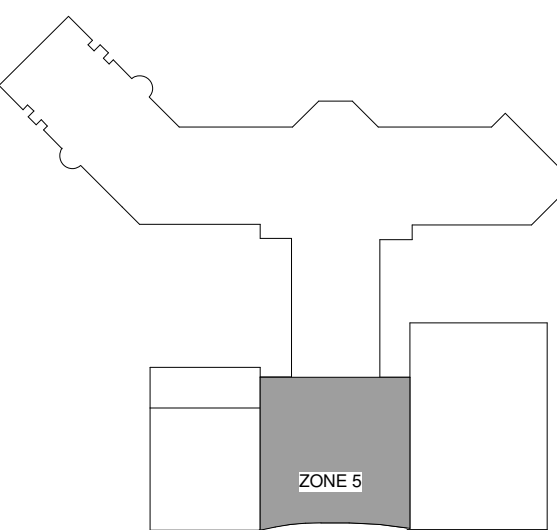
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**REVISIONS**

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 2 -  
TICKET LEVEL  
DEMO PLAN ZONE  
5 PLUMBING**

SHEET NUMBER

**PD2-125**

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.

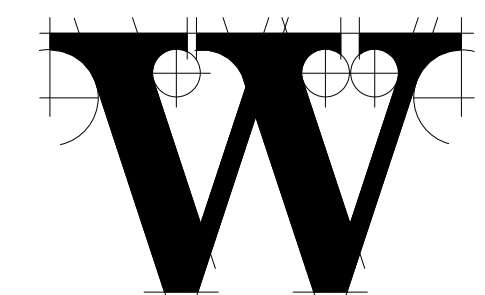


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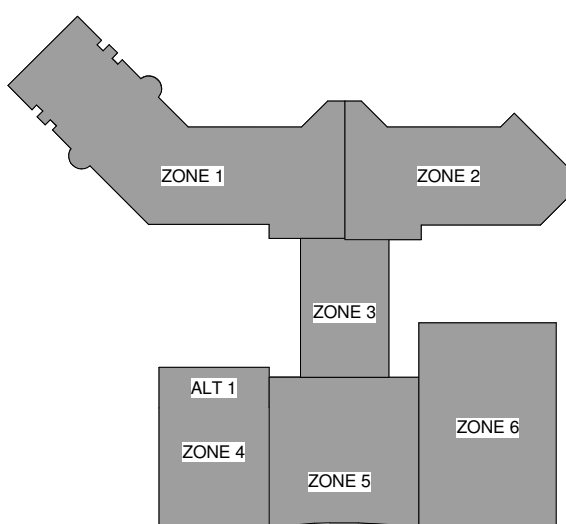
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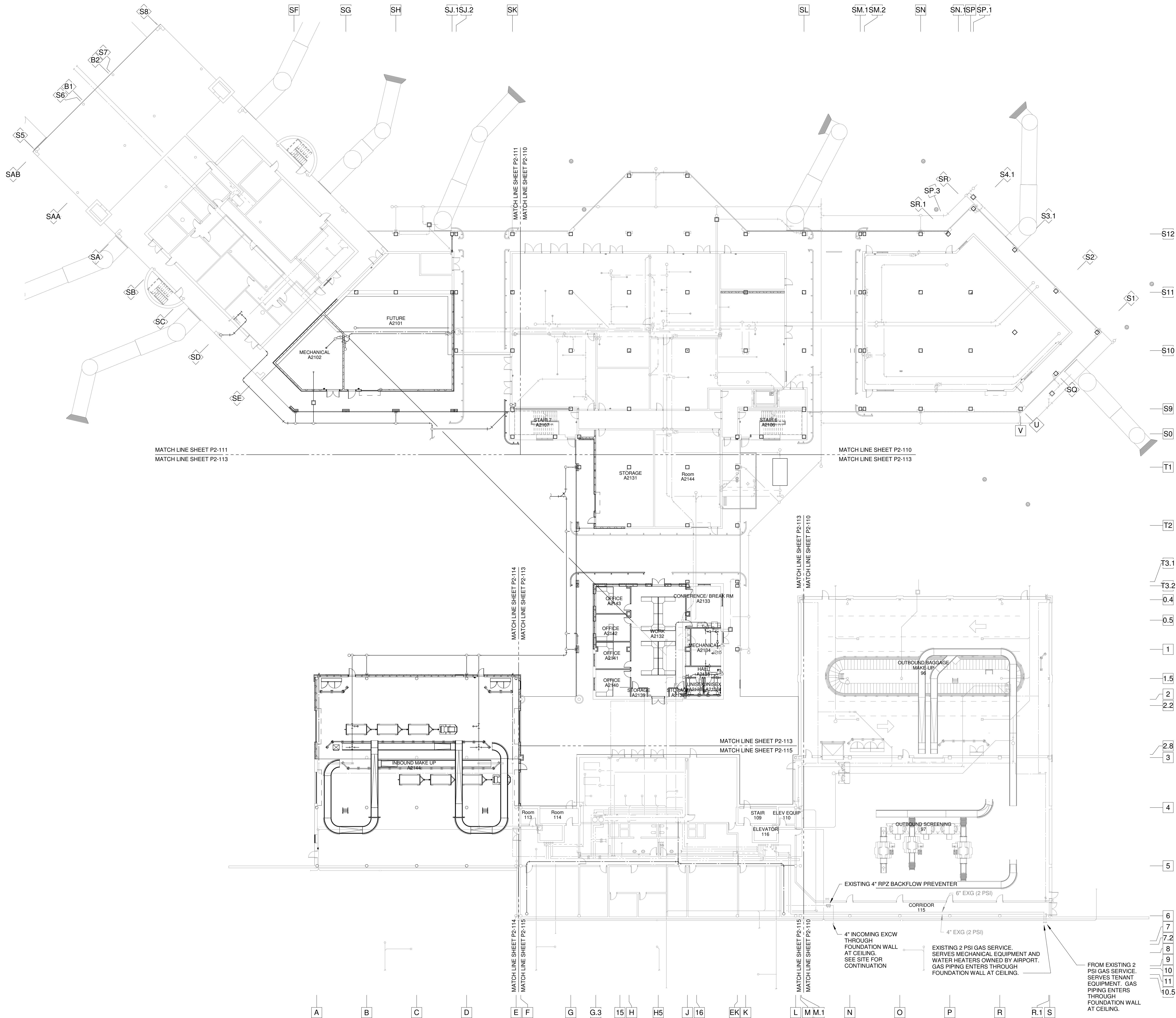
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
OVERALL PLAN  
PLUMBING

SHEET NUMBER

P2-110



**1** SCHEDULE 2 - RAMP LEVEL - OVERALL FLOOR PLAN - PLUMBING  
P2-110  
SCALE: 1" = 20'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.

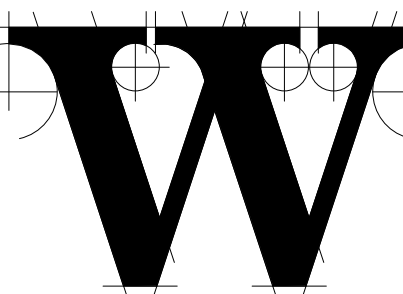


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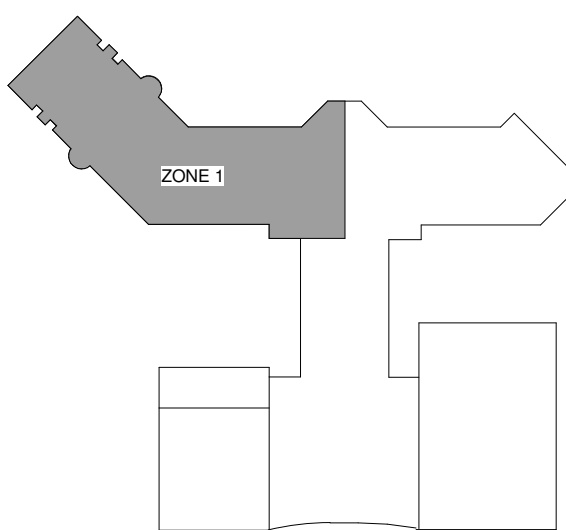
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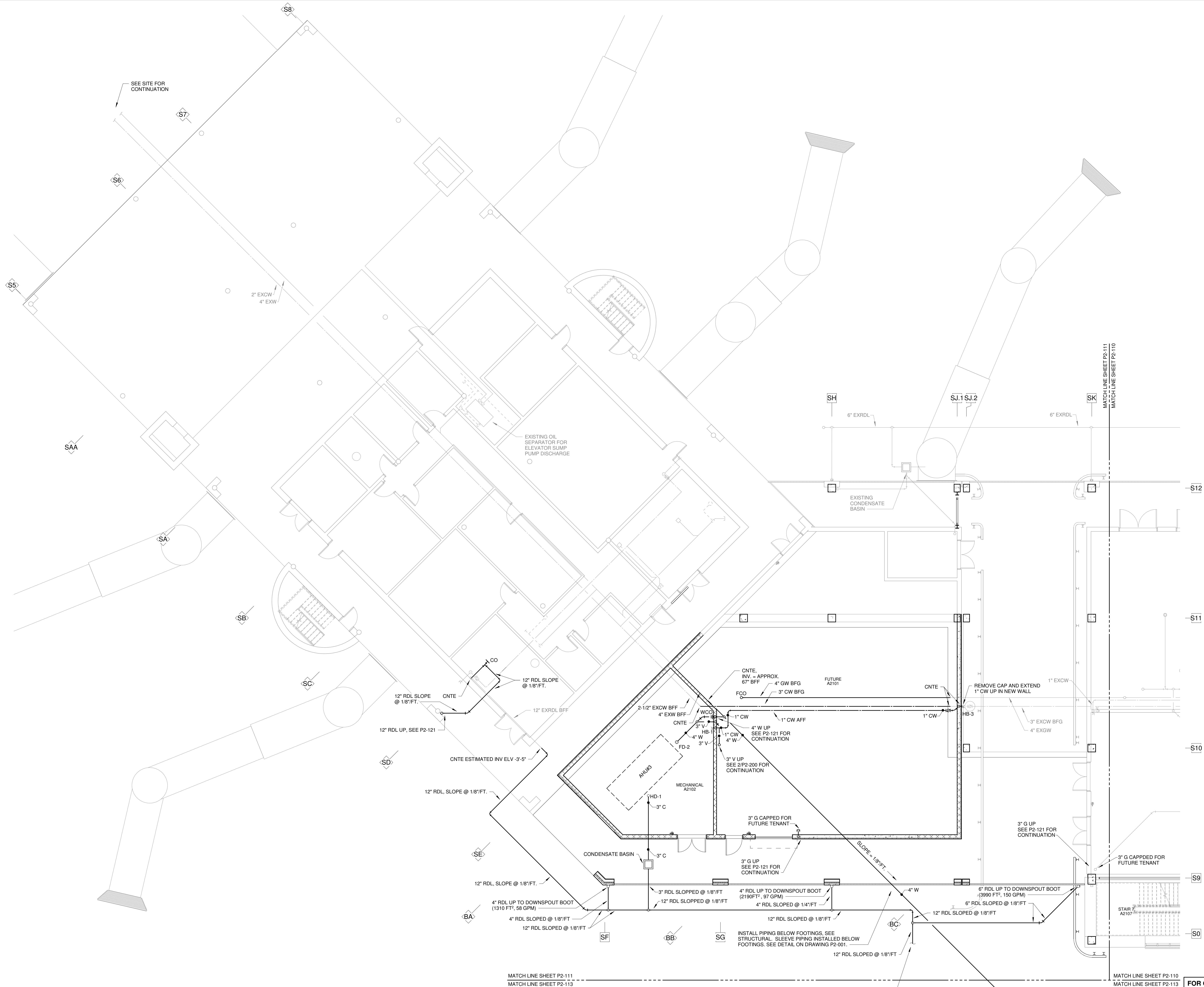
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
FLOOR PLAN ZONE  
1 PLUMBING

SHEET NUMBER

P2-111



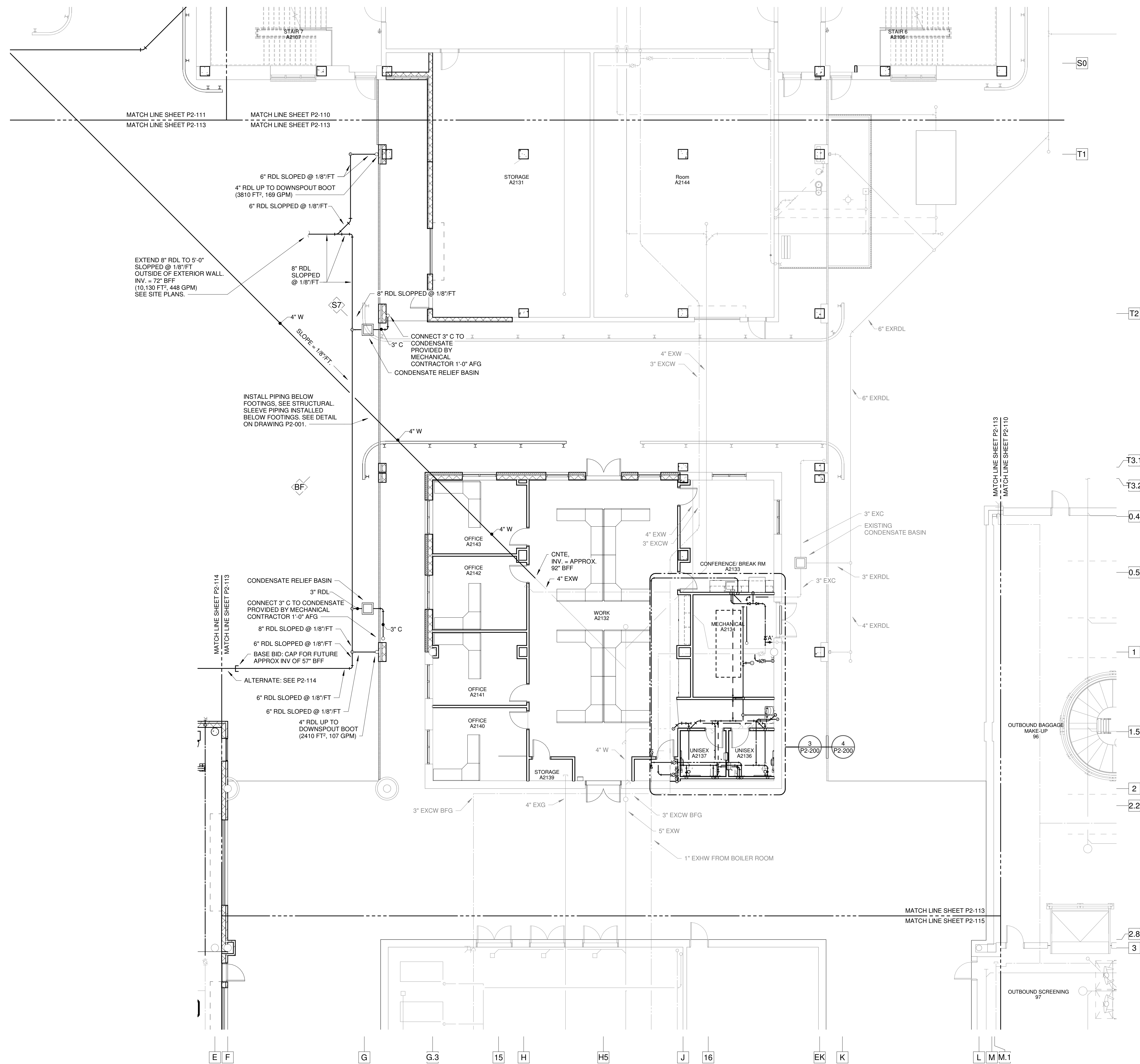
1  
P2-111

SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 1 - PLUMBING

SCALE: 1/8" = 1'-0"



FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.



1 SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 3 - PLUMBING  
SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.

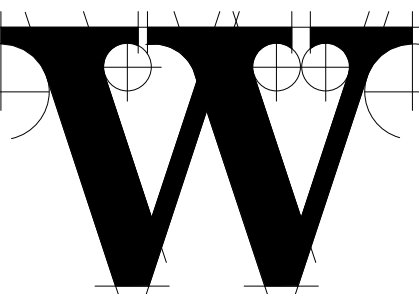


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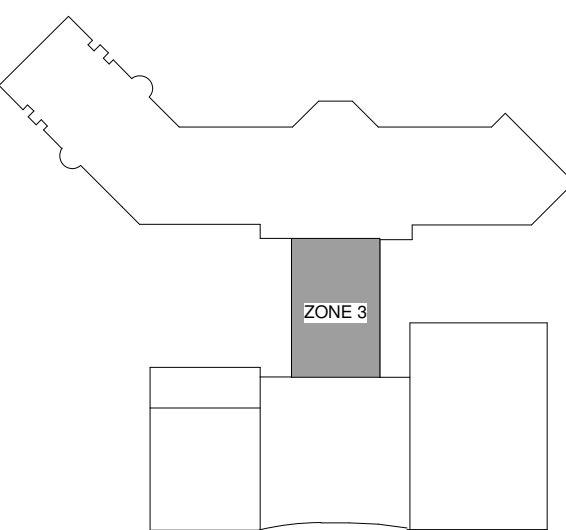
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
FLOOR PLAN ZONE  
3 PLUMBING

SHEET NUMBER

P2-113

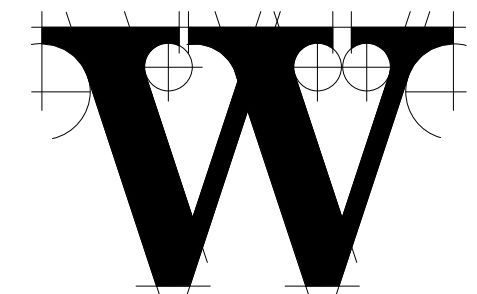


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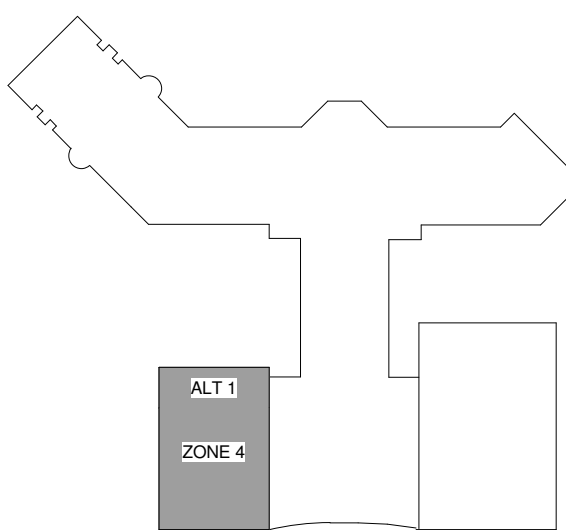
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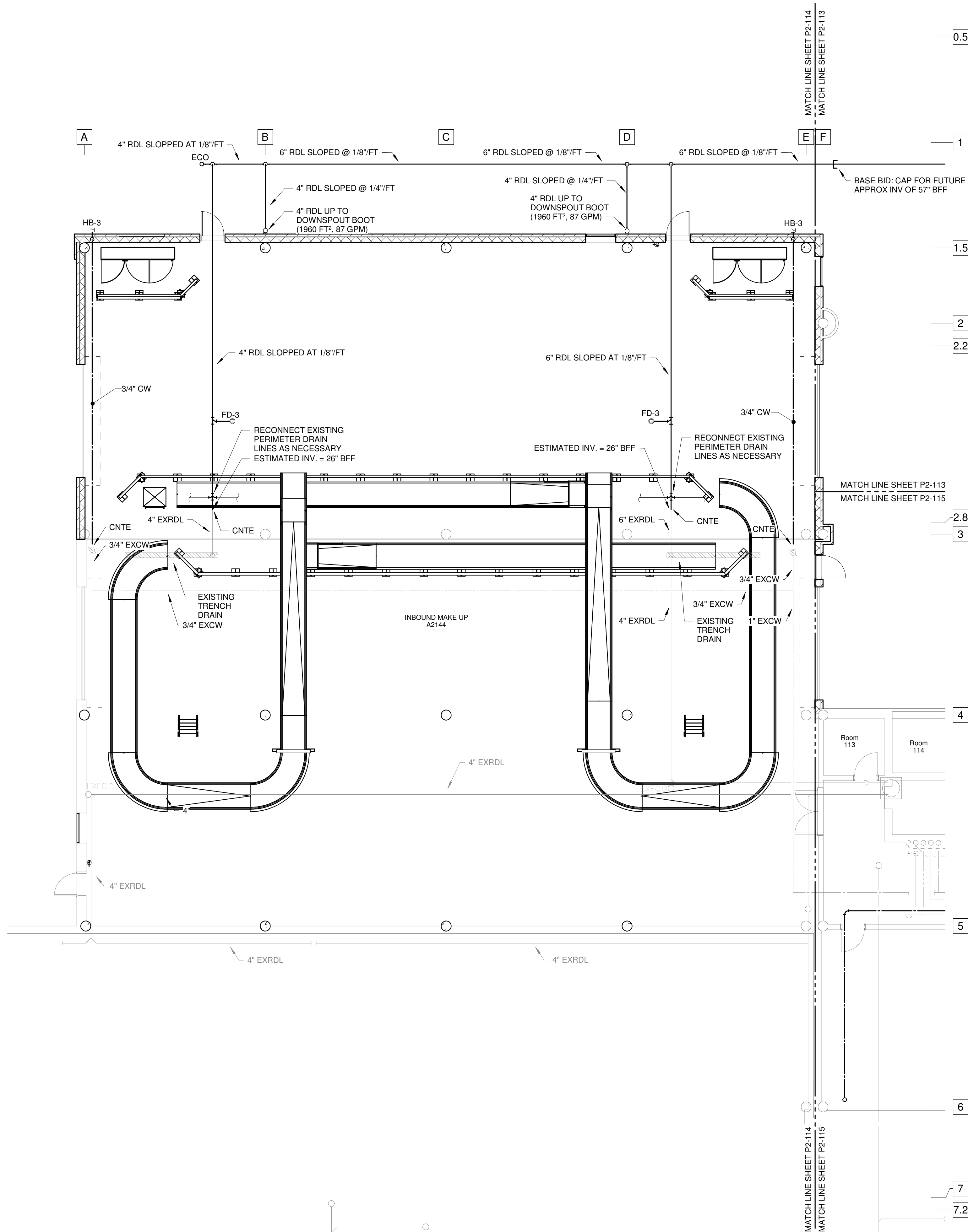
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
FLOOR PLAN ZONE  
4 PLUMBING  
ALTERNATE 1

SHEET NUMBER

P2-114



1  
P2-114  
SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 4 - PLUMBING  
SCALE: 1/8" = 1'-0"

NOTE: UNLESS OTHERWISE  
NOTED, WORK INDICATED ON  
THIS SHEET SHALL BE PRICED AS  
PART OF ALTERNATE 1.

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SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.

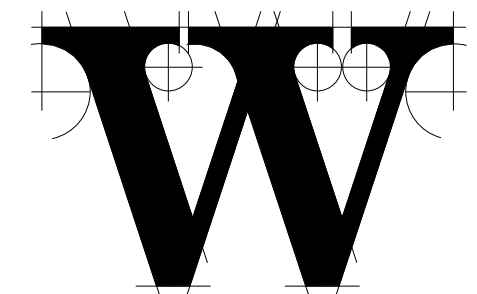


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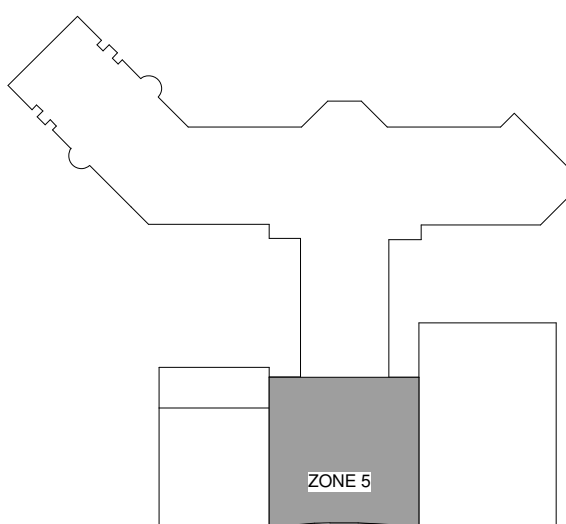
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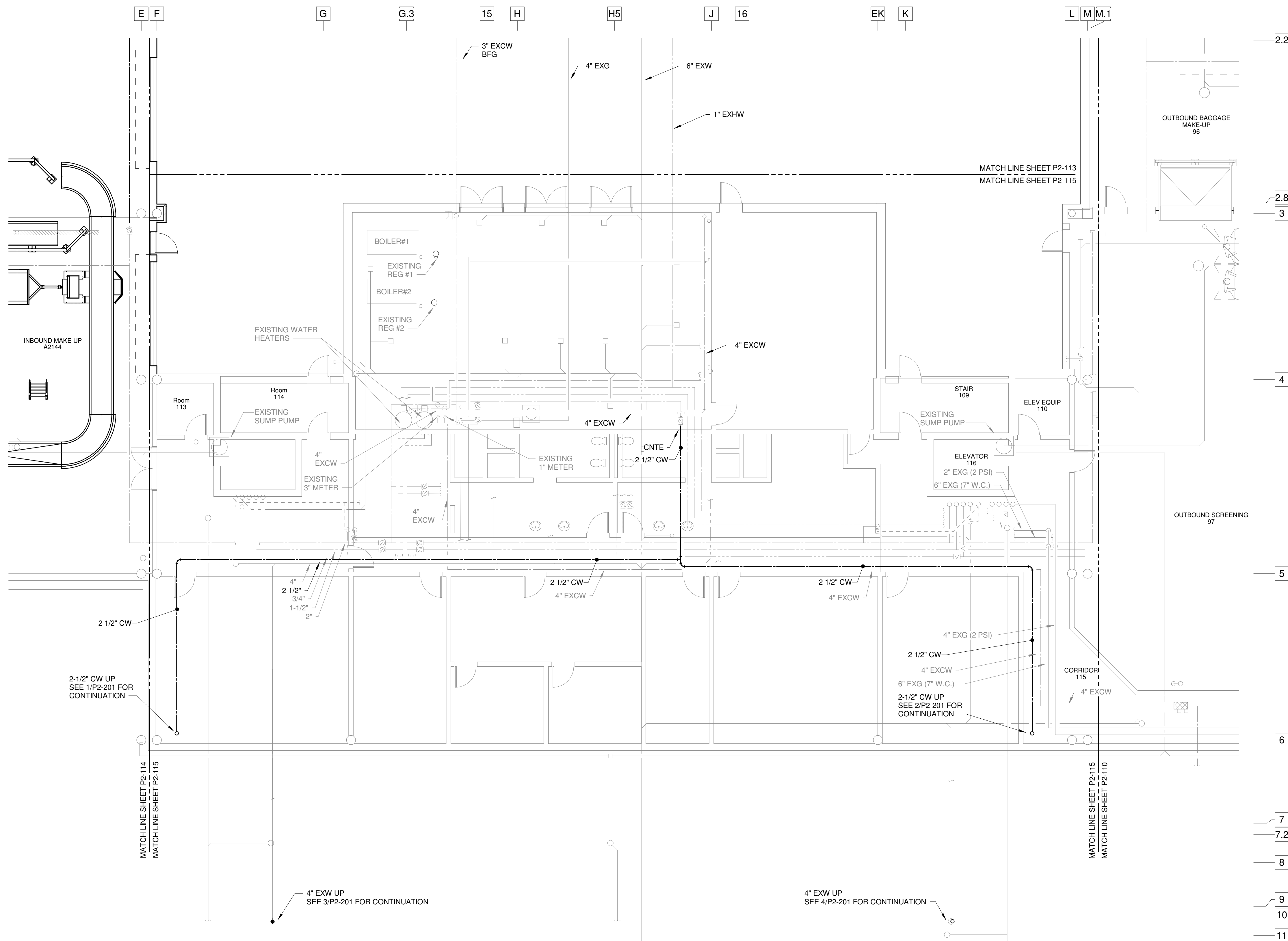
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
RAMP LEVEL  
FLOOR PLAN ZONE  
5 PLUMBING

SHEET NUMBER

P2-115



1 SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 5 - PLUMBING  
P2-115 SCALE: 1/8" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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PLANS B-\* SERIES FOR ADDITIONAL  
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REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.

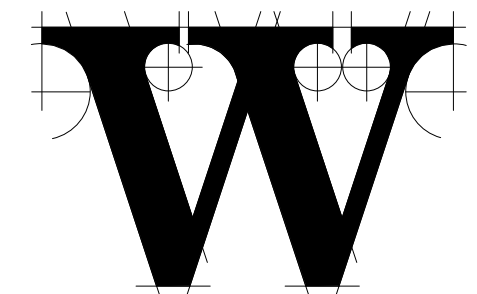


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STRUCTURAL ENGINEER  
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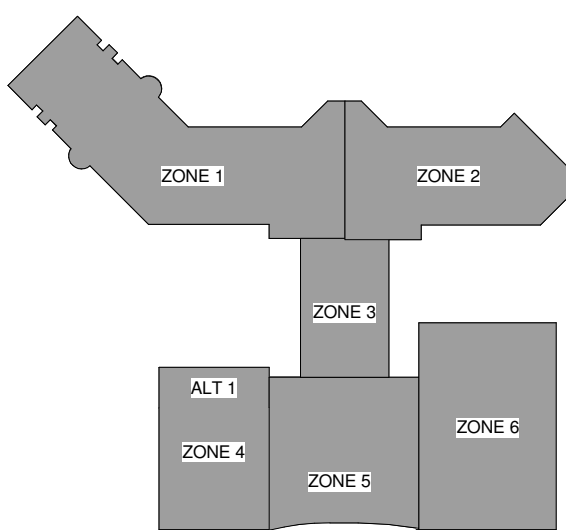
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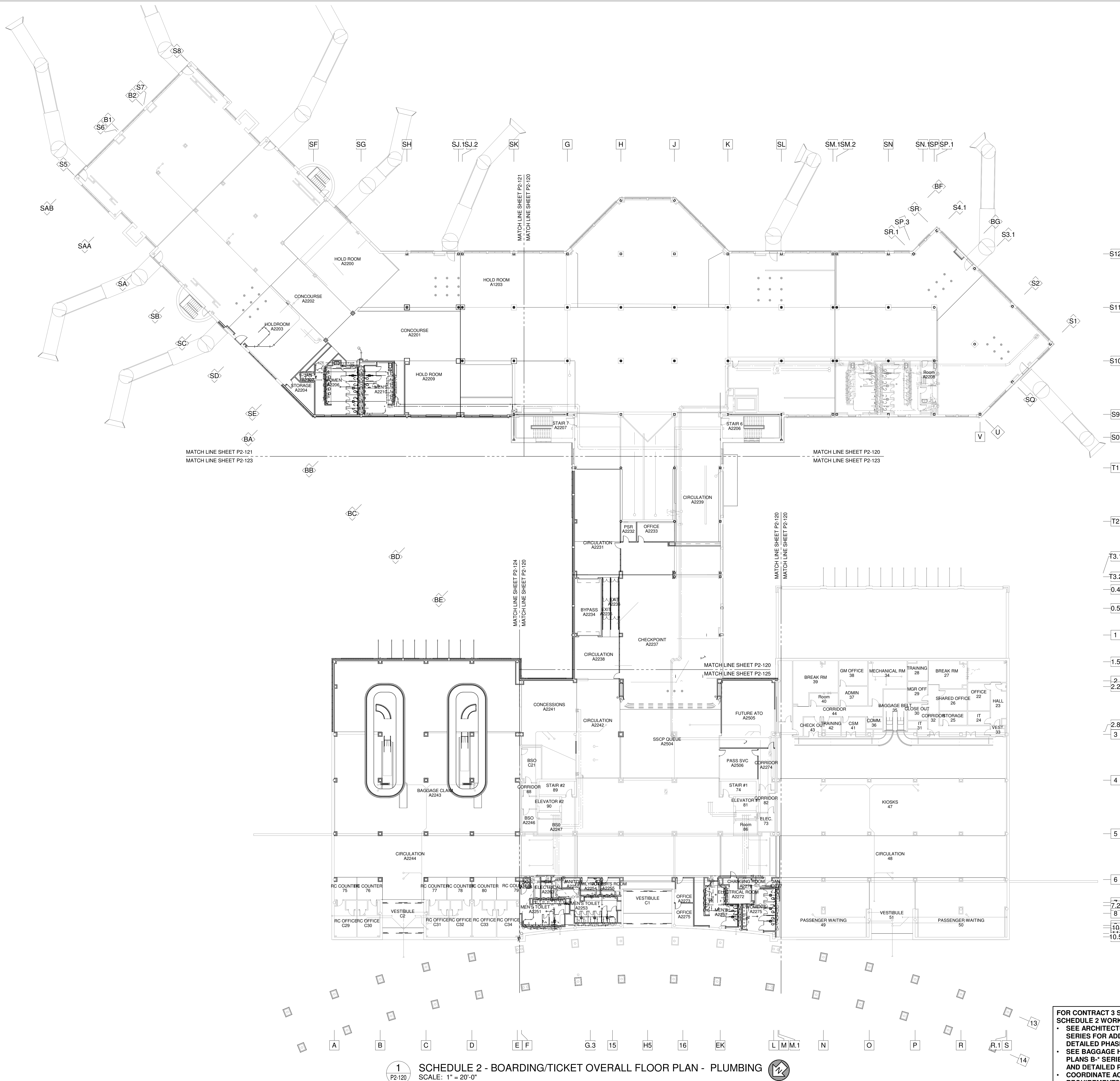
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
BOARDING/TICKET  
LEVEL OVERALL  
PLAN PLUMBING

SHEET NUMBER

**P2-120**



1  
P2-120

SCHEDULE 2 - BOARDING/TICKET OVERALL FLOOR PLAN - PLUMBING  
SCALE: 1" = 20'-0"



FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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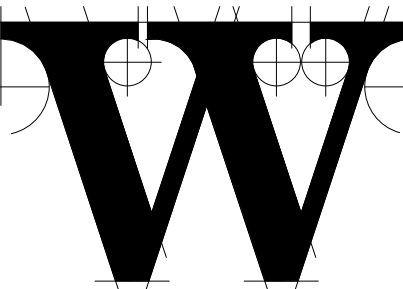


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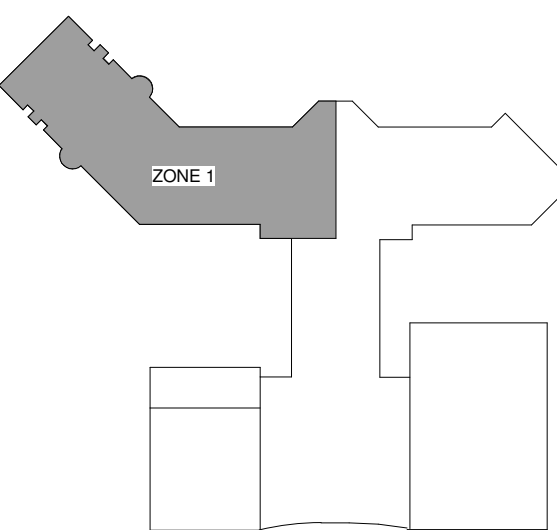
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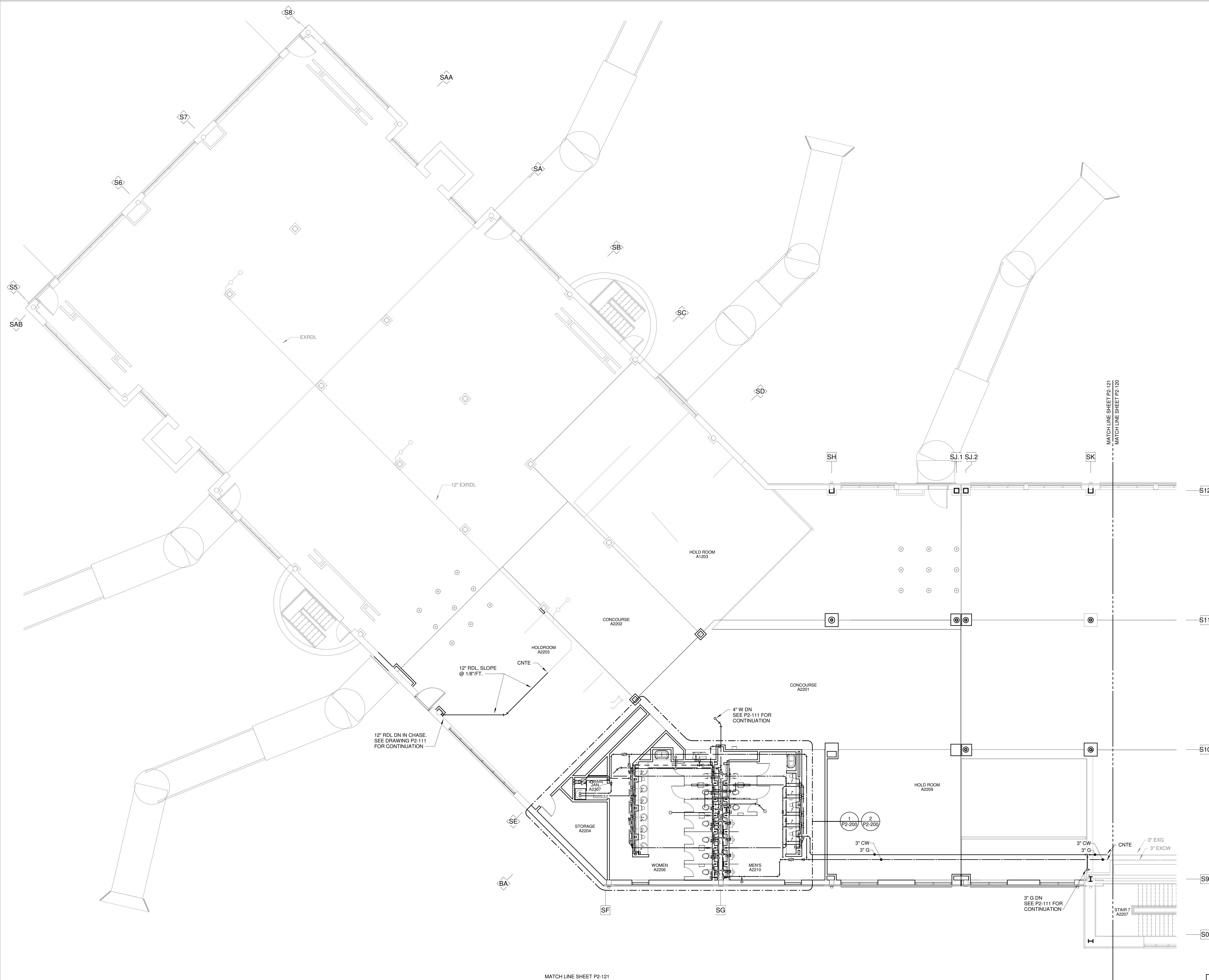
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DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
BOARDING LEVEL  
FLOOR PLAN ZONE  
1 PLUMBING

SHEET NUMBER

**P2-121**



MATCH LINE SHEET P2-121  
MATCH LINE SHEET P2-120

1  
P2-121

SCHEDULE 2 - BOARDING LEVEL FLOOR PLAN - ZONE 1 - PLUMBING  
SCALE: 1/8" = 1'-0"



FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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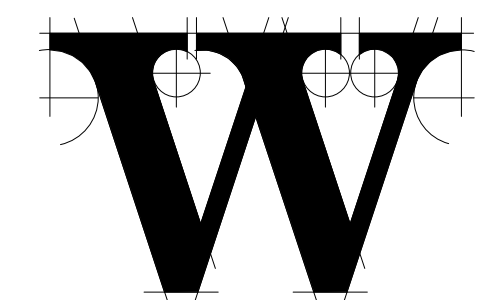
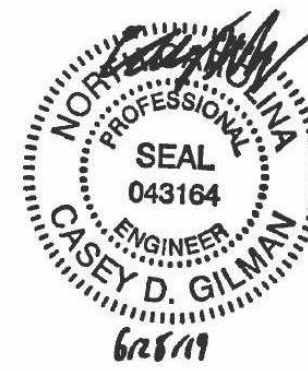


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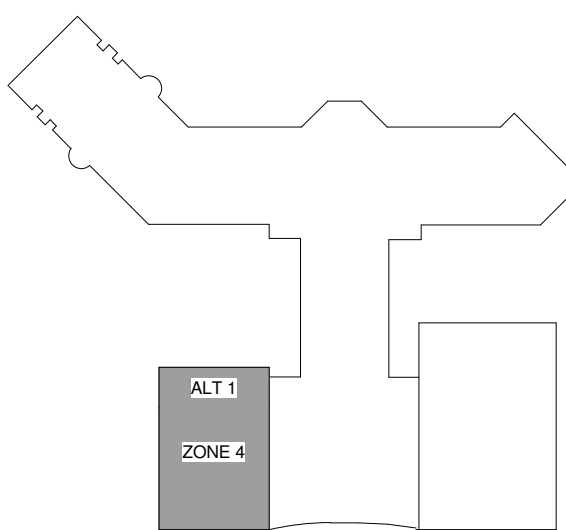
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KEY PLAN

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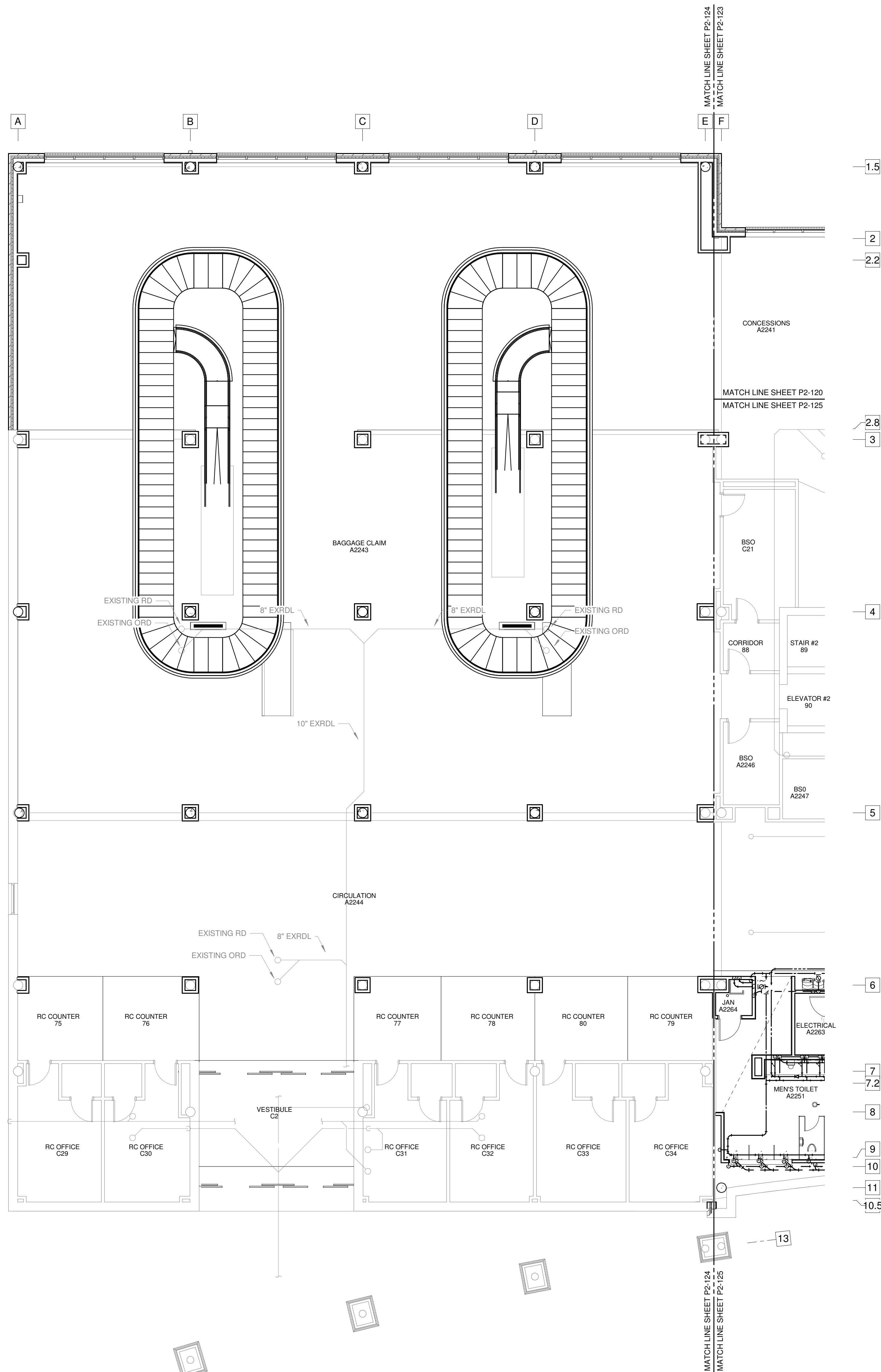
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
TICKET LEVEL  
FLOOR PLAN ZONE  
4 PLUMBING  
ALTERNATE 1

SHEET NUMBER

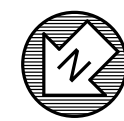
**P2-124**



1  
P2-124

SCHEDULE 2 - TICKET LEVEL FLOOR PLAN - ZONE 4 - PLUMBING

SCALE: 1/8" = 1'-0"



NOTE: UNLESS OTHERWISE  
NOTED, WORK INDICATED ON  
THIS SHEET SHALL BE PRICED AS  
PART OF ALTERNATE 1.

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.



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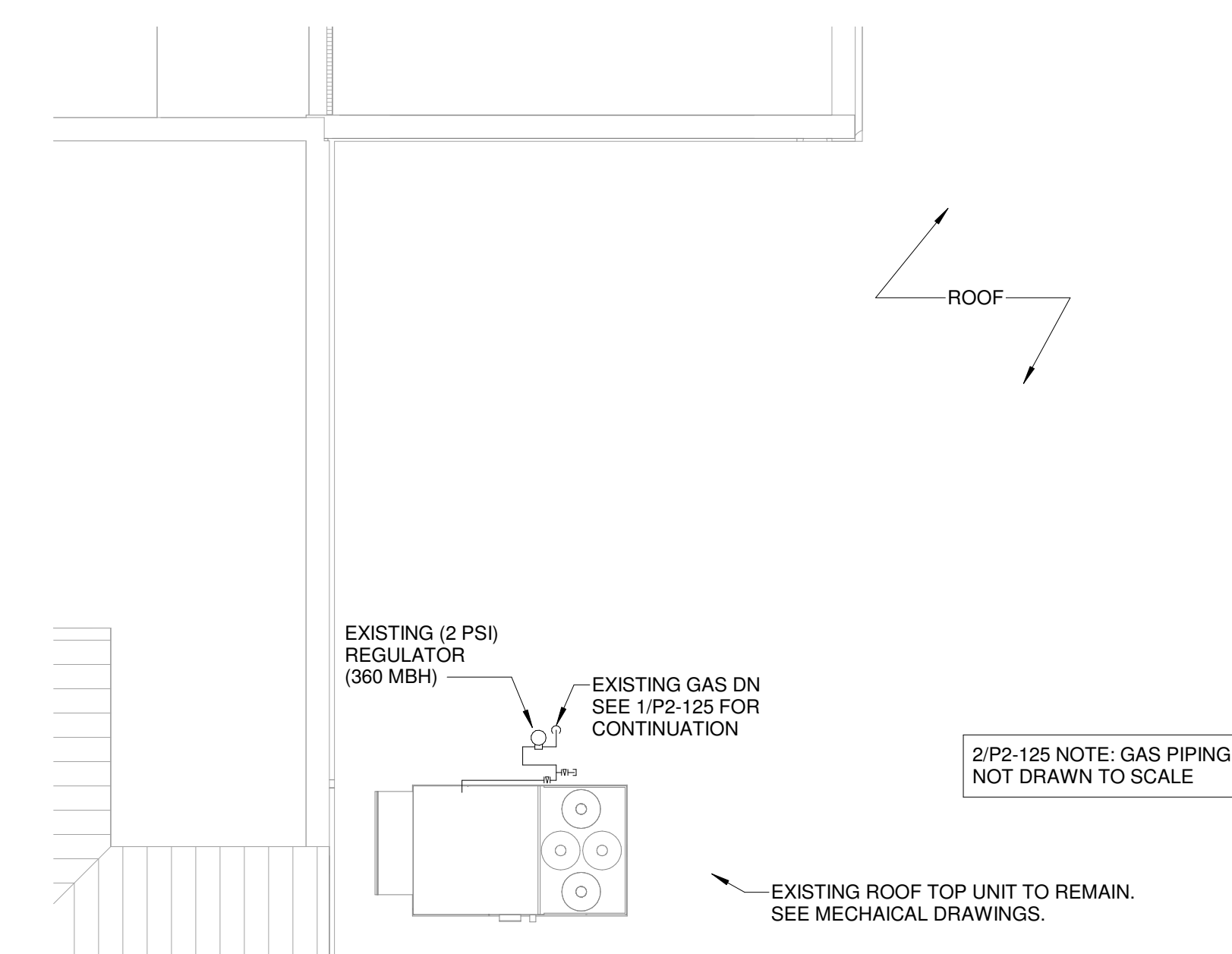
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## REVISIONS

SCHEDULE 2 -  
TICKET LEVEL  
FLOOR PLAN ZONE  
5 PLUMBING

SHEET NUMBER

P2-125



**2** ROOF GAS PIPING PLAN  
P2-125 SCALE: 1/8" = 1'-0"

**1** SCHEDULE 2 - TICKET LEVEL FLOOR PLAN - ZONE 5 - PLUMBING  
P2-125 SCALE: 1/8" = 1'-0"

**FOR CONTRACT 3 SCHEDULE 1 AND SCHEDULE 2 WORK PHASES:**

- **SEE ARCHITECTURAL PLANS A-01\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.**
- **SEE BAGGAGE HANDLING SYSTEM PLANS B-\* SERIES FOR ADDITIONAL AND DETAILED PHASING INFORMATION.**
- **COORDINATE ACTUAL PHASED WORK REQUIREMENTS WITH THE GENERAL CONTRACTOR'S SCHEDULE.**

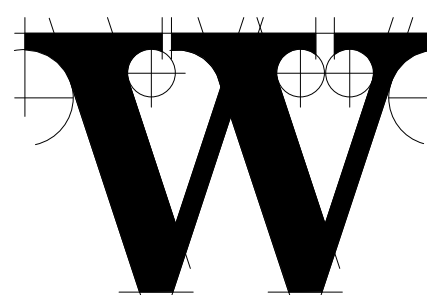


# TERMINAL IMPROVEMENTS CONTRACT 3

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**STEWART**

FP/P/ME ENGINEER

**CHEATHAM & ASSOC.**

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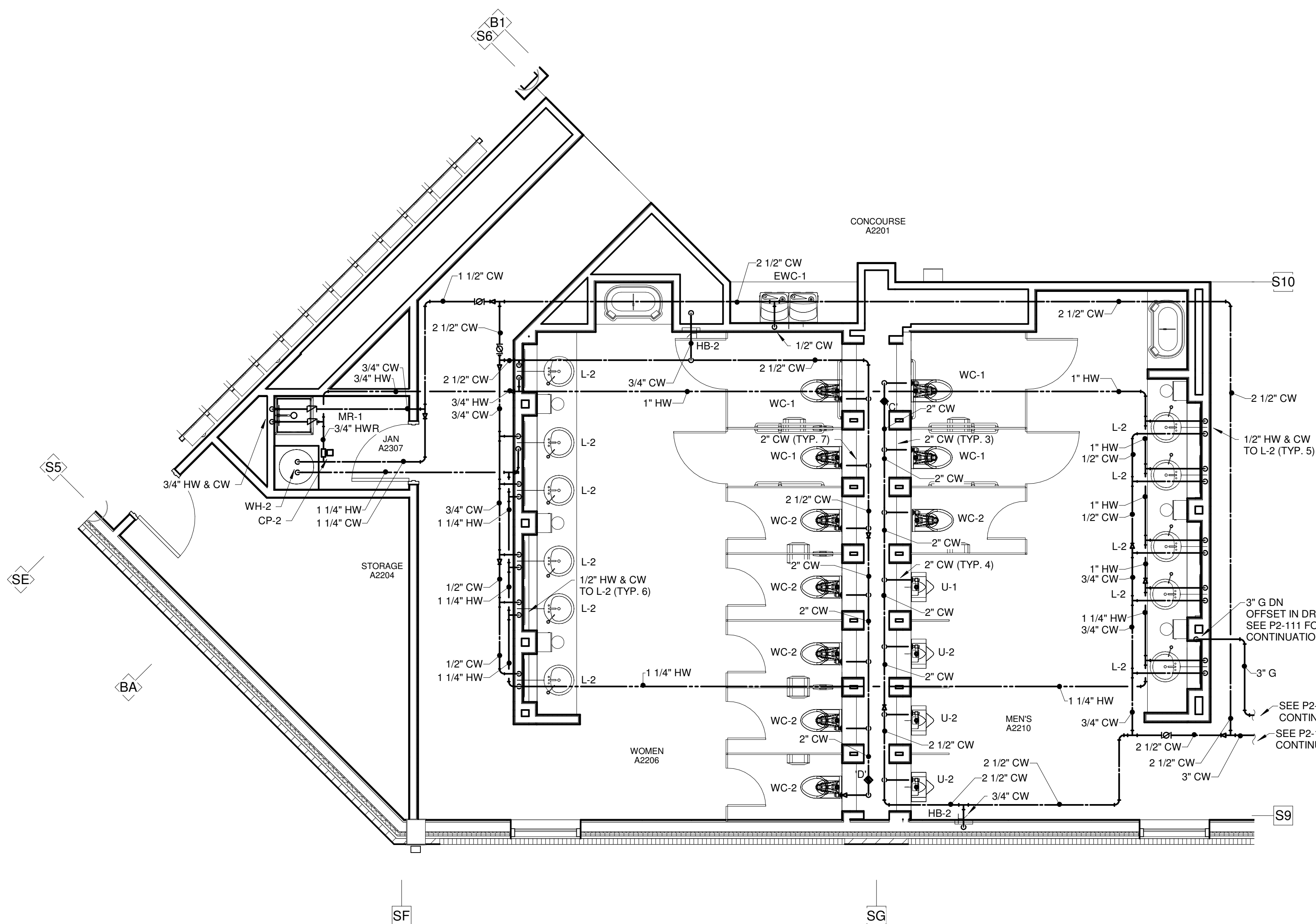
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

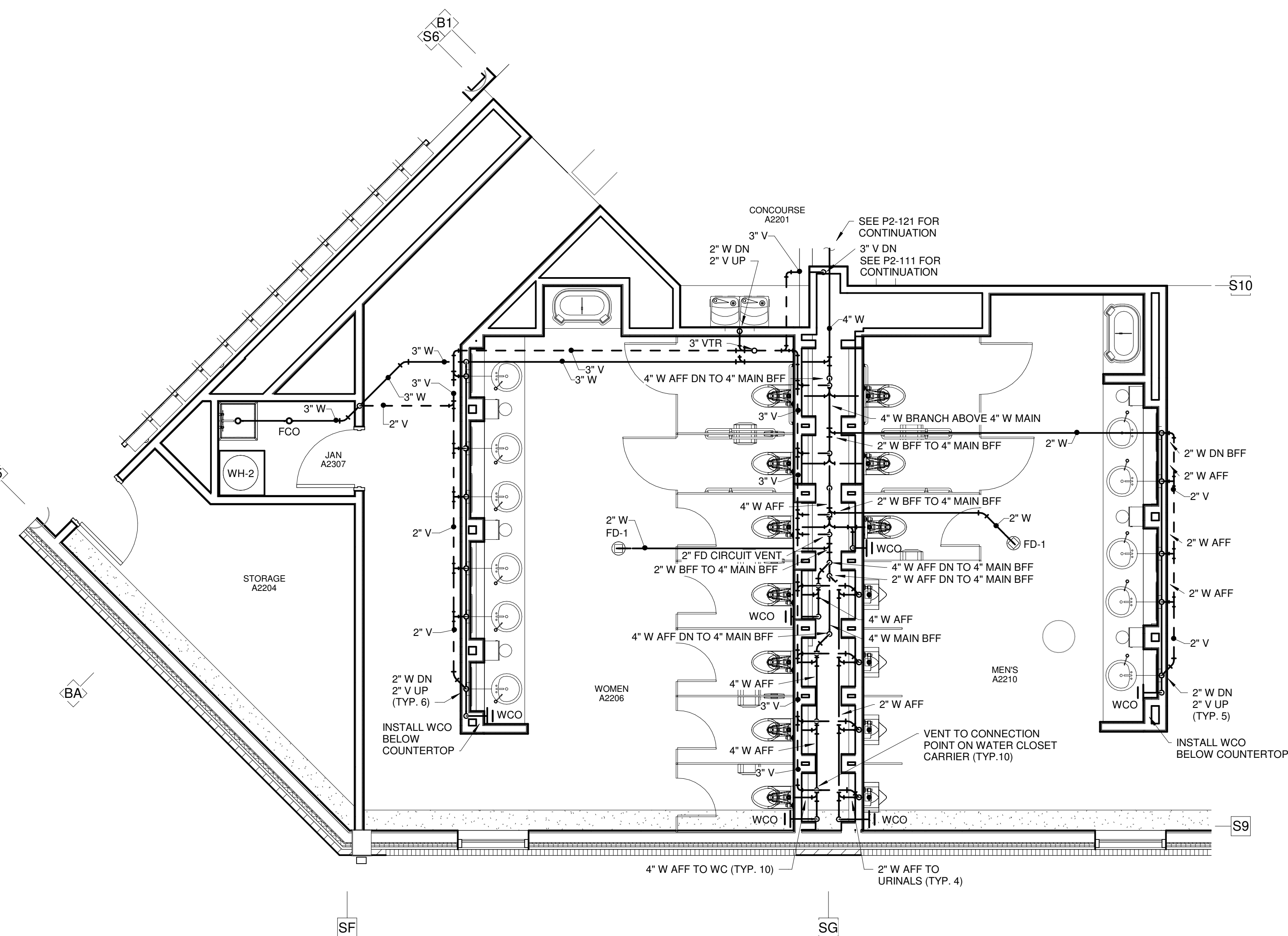
**ENLARGED  
PLUMBING PLANS  
ZONES 1 & 3**

SHEET NUMBER

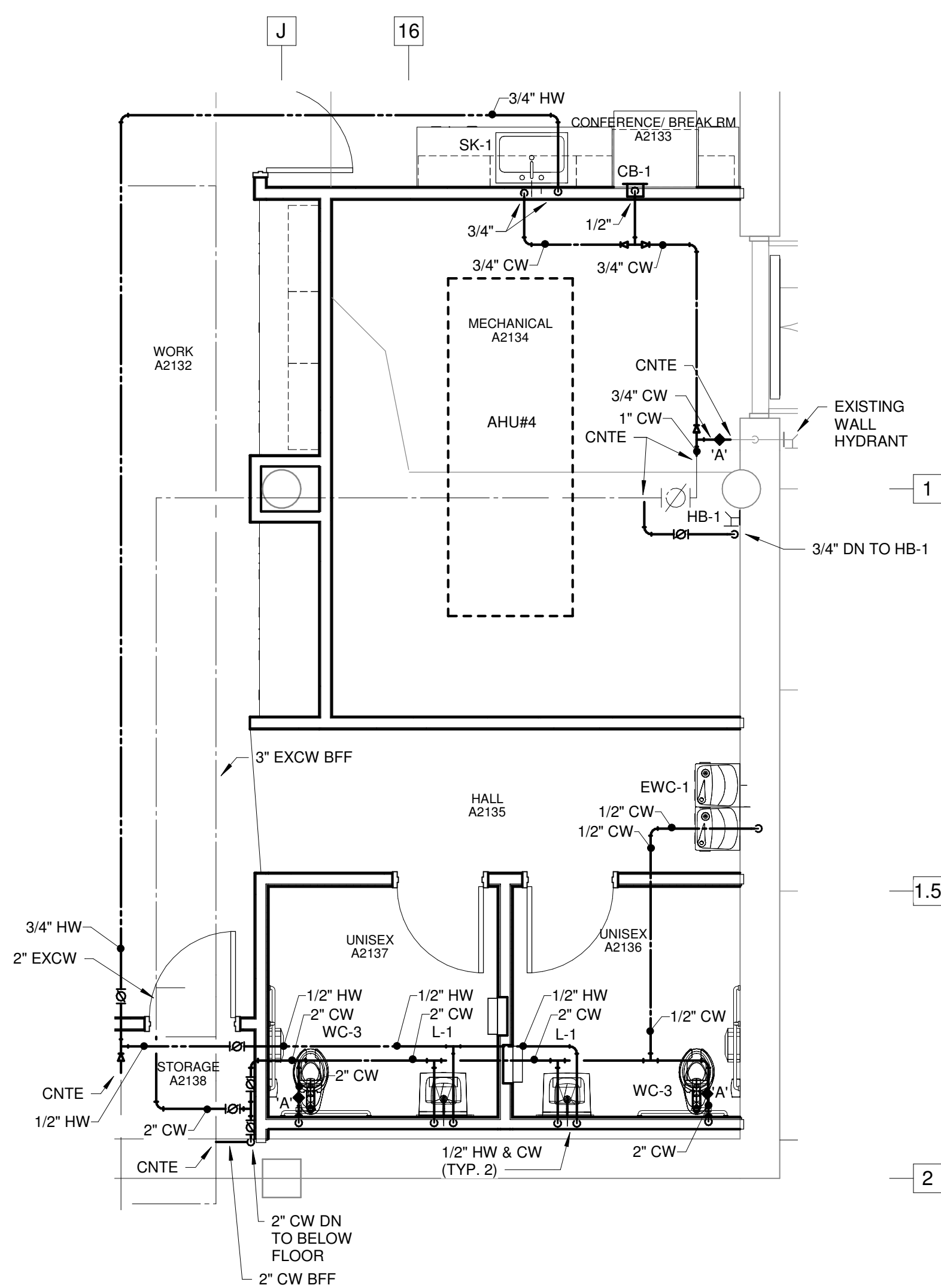
**P2-200**



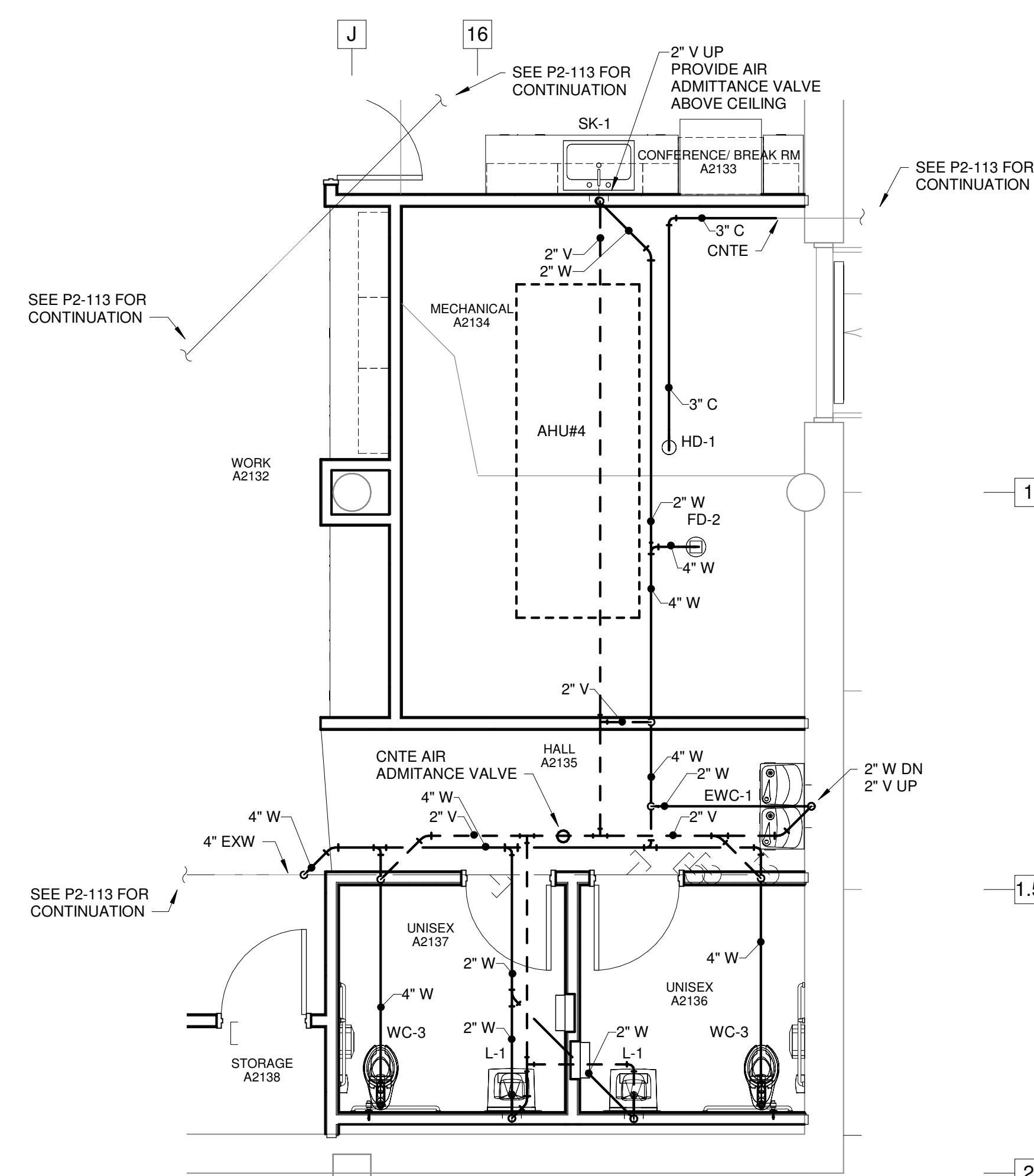
**1** SCHEDULE 2 - BOARDING LEVEL - ZONE 1 - ENLARGED RESTROOM - DOMESTIC WATER  
SCALE: 1/4" = 1'-0"



**2** SCHEDULE 2 - BOARDING LEVEL - ZONE 1 - ENLARGED RESTROOM - WASTE & VENT  
SCALE: 1/4" = 1'-0"



**3** SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 3 - ENLARGED - DOMESTIC WATER  
SCALE: 1/4" = 1'-0"



**4** SCHEDULE 2 - RAMP LEVEL FLOOR PLAN - ZONE 3 - ENLARGED - WASTE & VENT  
SCALE: 1/4" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-011  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-1 SERIES FOR ADDITIONAL  
AND DETAILED PHASING INFORMATION.  
• COORDINATE ACTUAL PHASED WORK  
REQUIREMENTS WITH THE GENERAL  
CONTRACTOR'S SCHEDULE.

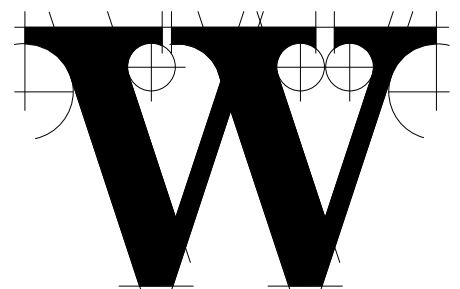


# TERMINAL IMPROVEMENTS CONTRACT 3

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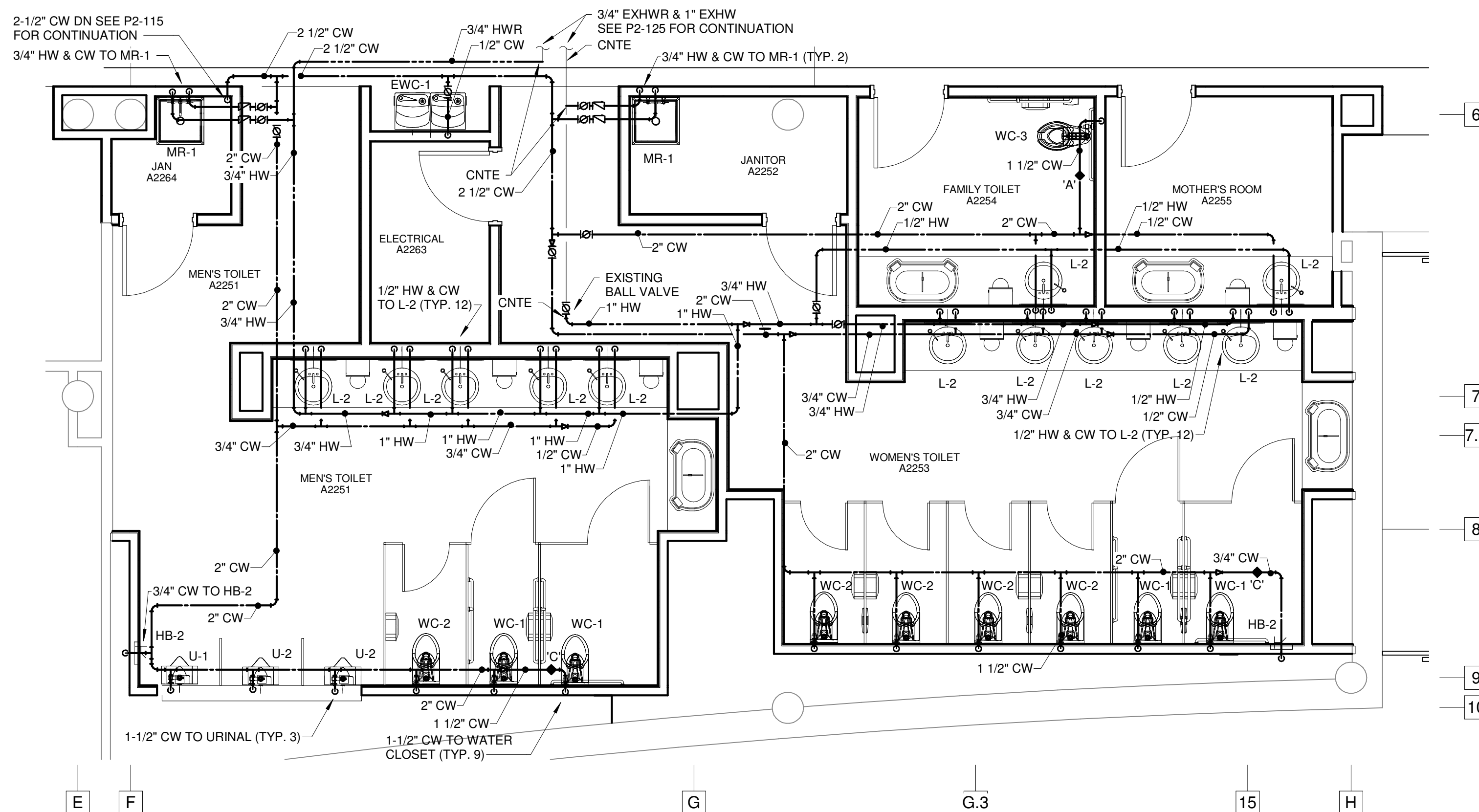
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

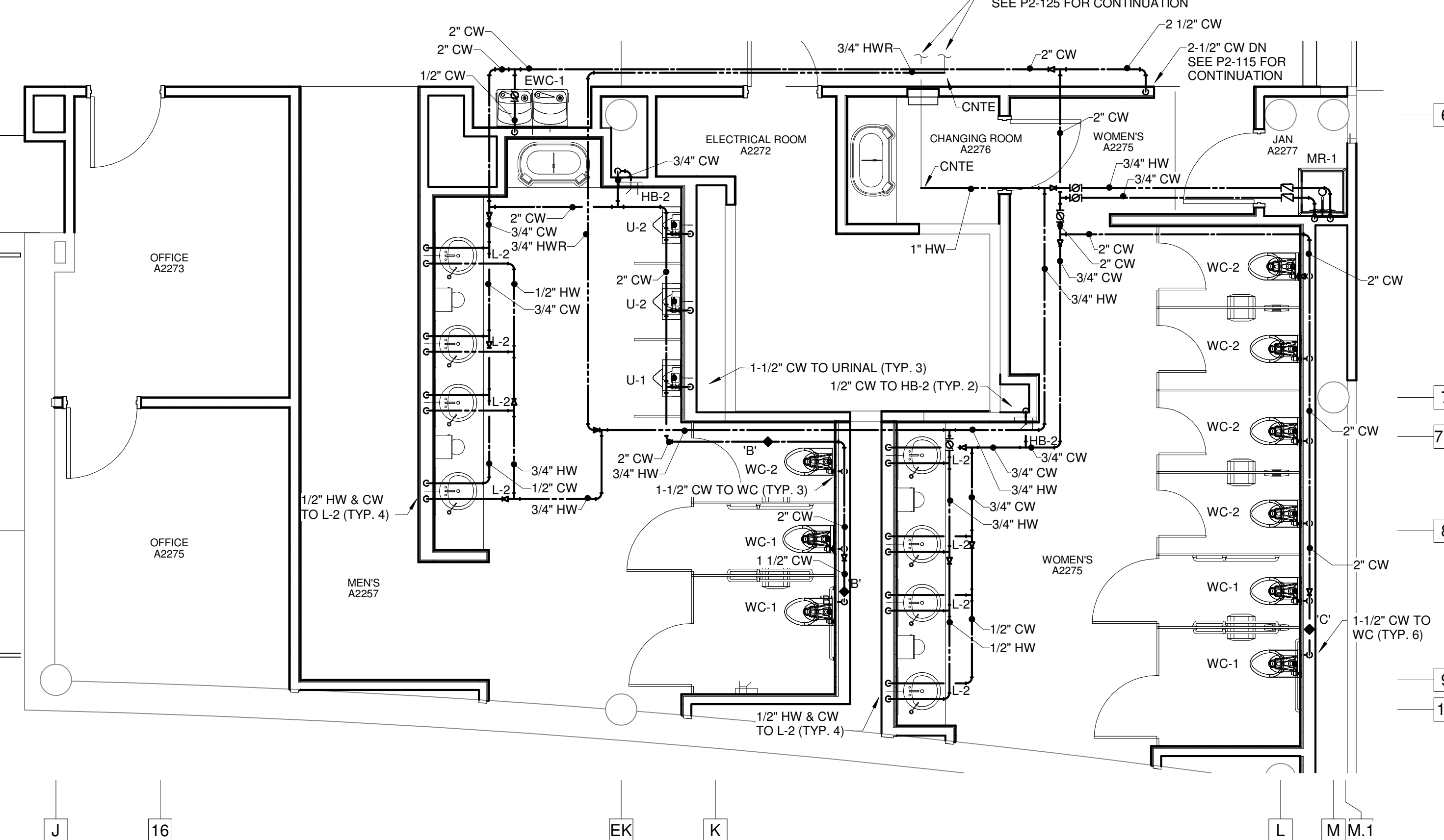
**ENLARGED PLUMBING PLANS ZONE 5**

SHEET NUMBER

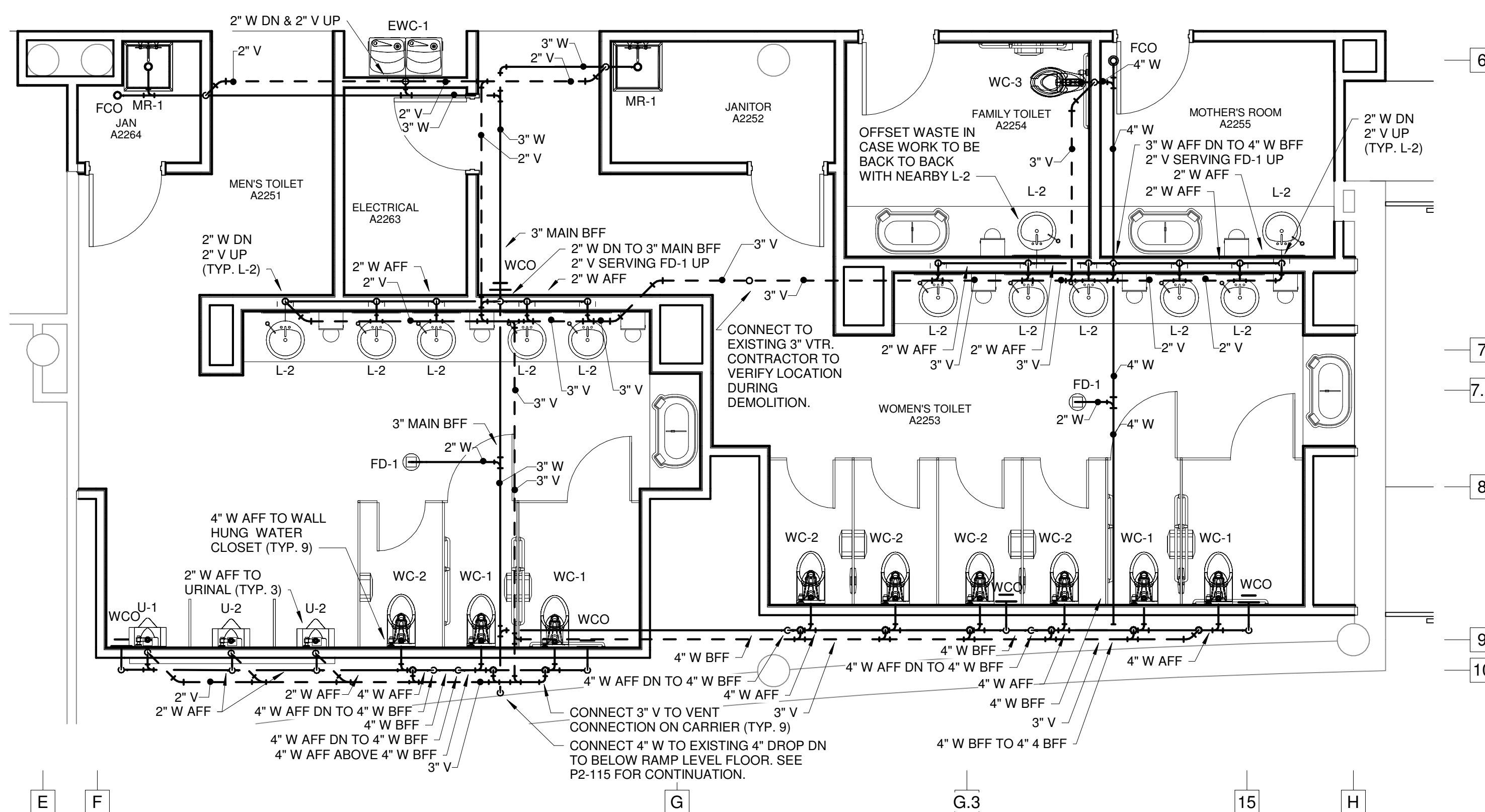
**P2-201**



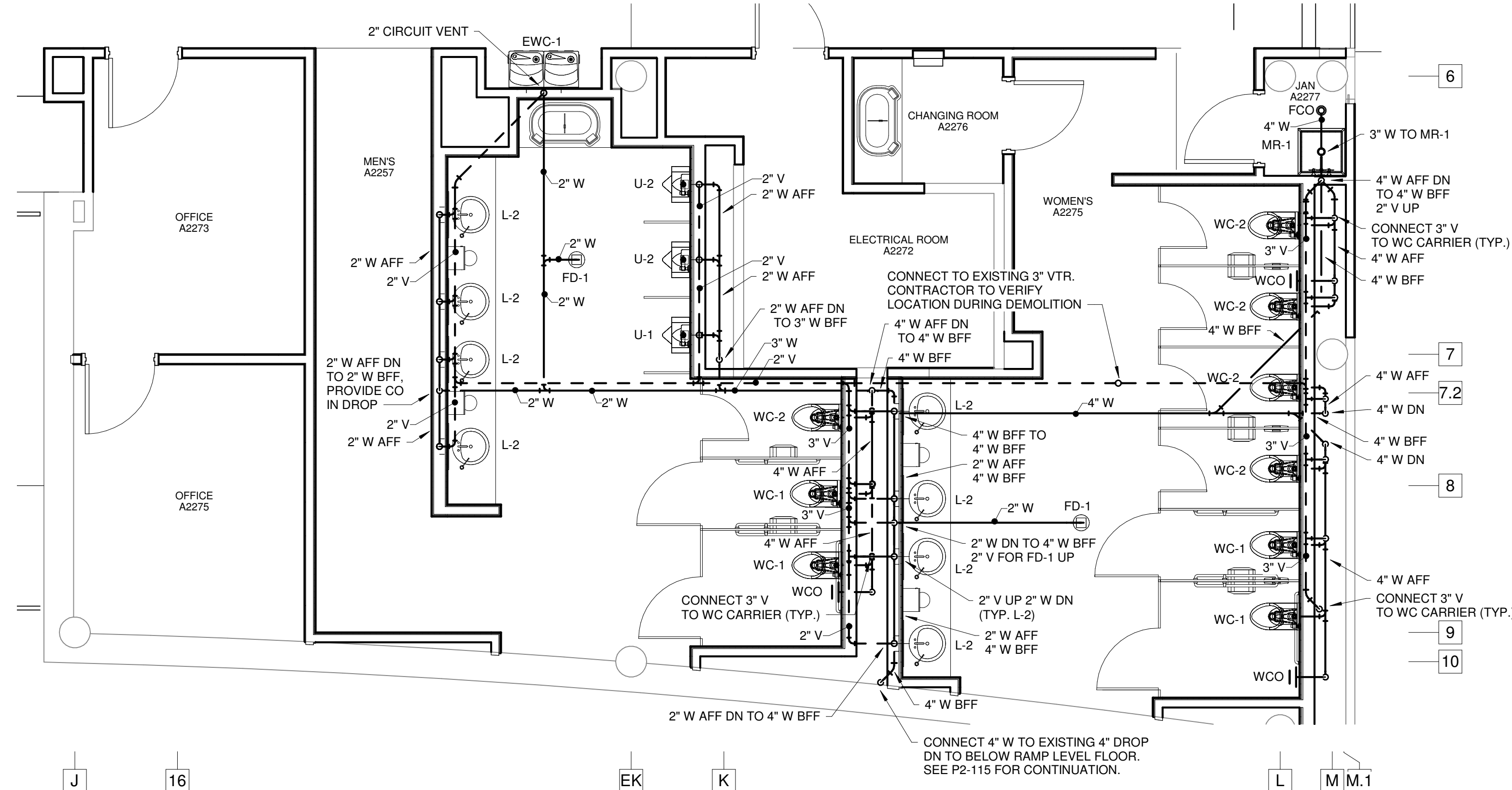
**1** SCHEDULE 2 - TICKET LEVEL - ZONE 5 EAST - ENLARGED RESTROOM - DOMESTIC WATER  
SCALE: 1/4" = 1'-0"



**2** SCHEDULE 2 - TICKET LEVEL - ZONE 5 WEST- ENLARGED RESTROOM - DOMESTIC WATER  
SCALE: 1/4" = 1'-0"



**3** SCHEDULE 2 - TICKET LEVEL - ZONE 5 EAST - ENLARGED RESTROOM - WASTE & VENT  
SCALE: 1/4" = 1'-0"



**4** SCHEDULE 2 - TICKET LEVEL - ZONE 5 WEST- ENLARGED RESTROOM - WASTE & VENT  
SCALE: 1/4" = 1'-0"

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
• SEE BAGGAGE HANDLING SYSTEM  
PLANS B-\* SERIES FOR ADDITIONAL  
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REQUIREMENTS WITH THE GENERAL  
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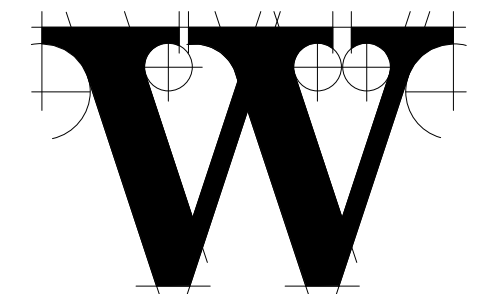


TERMINAL  
IMPROVEMENTS  
CONTRACT 3

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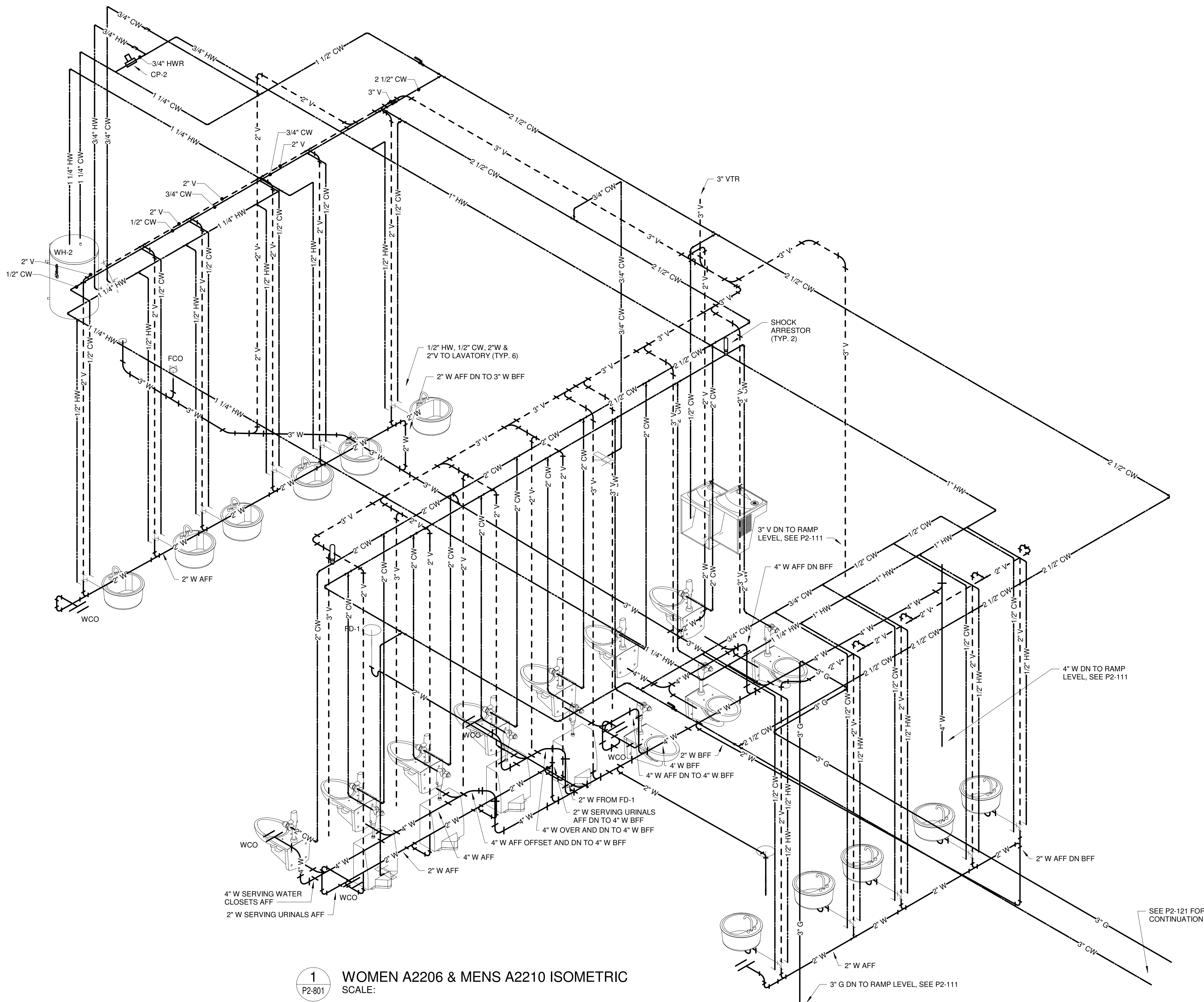
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

**SCHEDULE 2 -  
ZONE 1 RISER  
DIAGRAMS**

SHEET NUMBER

**P2-801**



**1** WOMEN A2206 & MENS A2210 ISOMETRIC  
P2-801 SCALE:

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
• SEE ARCHITECTURAL PLANS A-01\*  
SERIES FOR ADDITIONAL AND  
DETAILED PHASING INFORMATION.  
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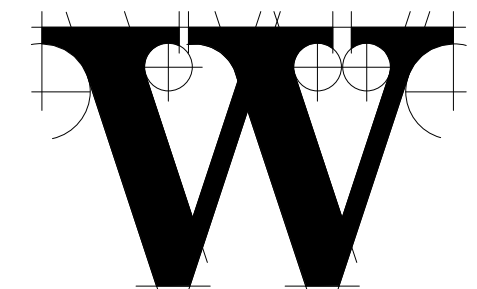


TERMINAL  
IMPROVEMENTS  
CONTRACT 3

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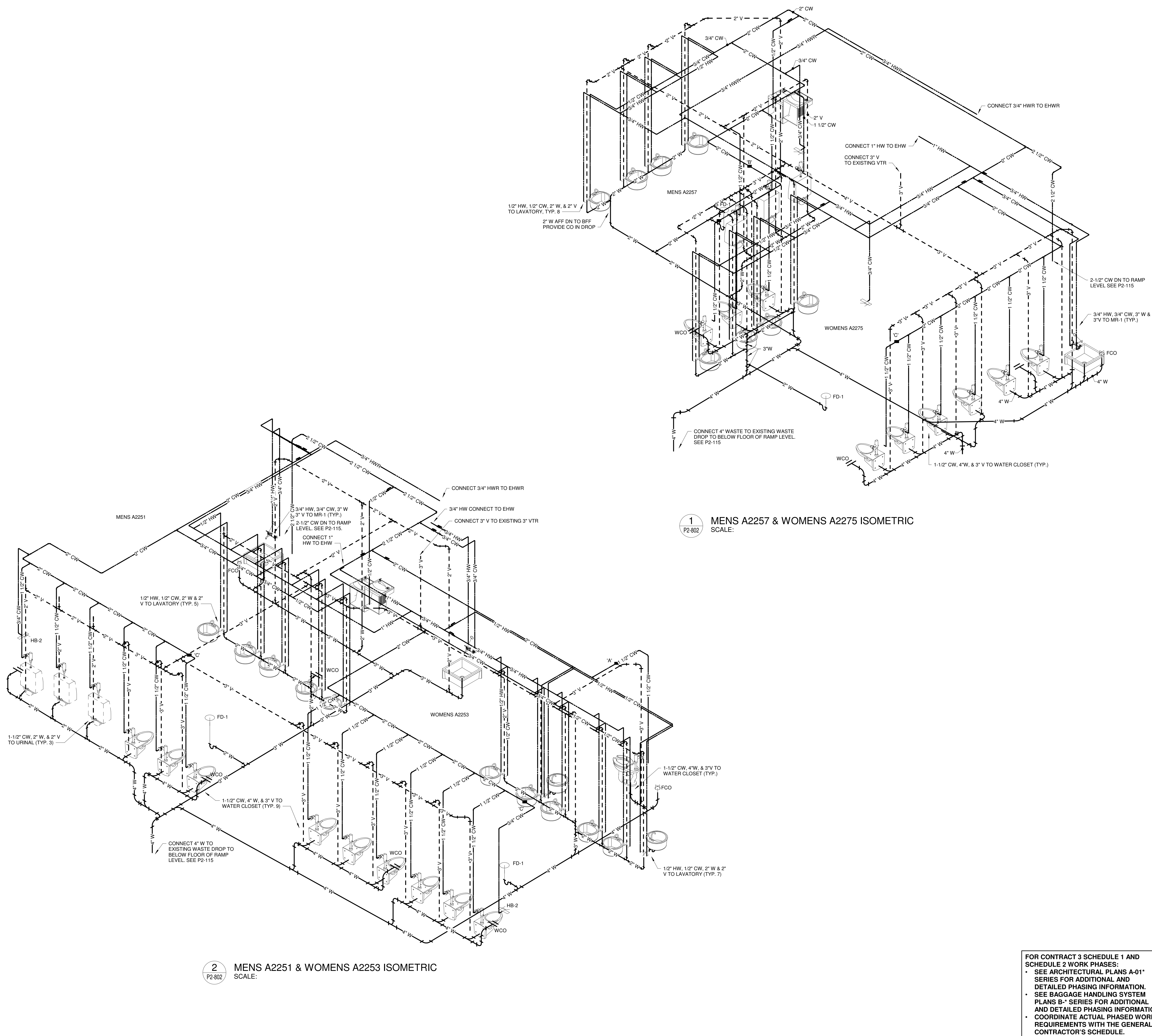
REVISIONS

DATE 06/28/19  
PROJECT NUMBER 9202-000  
SHEET TITLE

SCHEDULE 2 -  
ZONE 5 RISER  
DIAGRAMS

SHEET NUMBER

P2-802



1 MENS A2257 & WOMENS A2275 ISOMETRIC  
SCALE:

2 MENS A2251 & WOMENS A2253 ISOMETRIC  
SCALE:

FOR CONTRACT 3 SCHEDULE 1 AND  
SCHEDULE 2 WORK PHASES:  
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