



DEPT. OF
HIGHWAY &
CONSTRUCTION

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Office: 608/266-4018 ♦ Fax: 608/267-1533
Public Works Engineering Division
Public Works Solid Waste Division

ADDENDUM

December 13, 2016

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS
RFB NO. 316048 - ADDENDUM NO. 1

NEW RESTROOM FACILITY
HENRY VILAS ZOO

BIDS DUE: TUESDAY, DECEMBER 20TH, 2016, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

1. Section 07 61 00 – Sheet Metal Roofing

Page 3, line 15, revise to read:

“5. Color and finish: As selected by Architect from manufacturer’s full range of standard colors to match Atas Charcoal Grey (62) or approved equal.”

2. Section 23 09 15 – DDC Input / Output Summary Table

Add Section 23 09 15, issued with this Addendum.

3. Sheet C100 – Demolition Plan

At the west corner of the existing concrete retaining wall revise note only in this location from “Remove Trees. Contractor to coordinate removal of wood with Owner.” to read “Protect Trees During Construction. Clear shrubs in this area to Construction Limits. Contractor to coordinate disposal with Owner.”

4. Sheet A600 – Wall Sections

2A600 add the following notes: “Continuous air barrier below slab, turn up at vertical wall”
“Continuous 2” Insulation Type 4, typ. below slab and vertical to 4” below grade or to existing vertical foundation insulation.”

5. Sheet A601 – Wall Sections

3A601 revise note to read “solid surface 2 sill at wall beyond”.

6. Sheet S100 – Foundation Plan

Revise block thicknesses at Women’s, Mother’s, Family, and Men’s Restroom entrances from 6” to 8”.

7. Sheet S101 – Lower Roof Framing Plan and Details

A. Revise low roof framing plan to omit column A9.

B. Revise title of the lintel schedule to “miscellaneous lintels & masonry”.

C. Detail 2S101 revise graphic to reflect column extending beyond top of masonry. Revise note to

reflect #4 Vert. in Grouted Cell both sides of column, typ.

8. Sheet S102 – Upper Roof Framing Plan

Revise location of the column on A.2 line from 7.8 to 8.

9. Sheet S300 – Structural Details

- A. Add note at 18S300 plate isometric “ * = Inside Dim.”
- B. 21S300 omit all dimensions at glulam beam.

10. Sheet P100 - Underfloor Plan - Plumbing

- A. Replace Sheet P100 with new Sheet P100, issued with this Addendum
- B. Add non-potable cold water (NPC) connections to trench drains, attached.
- C. Add note #2, attached.

11. Sheet P101 – Floor Plan – Plumbing

- A. Replace Sheet P101 with new Sheet P101, issued with this Addendum.
- B. Add RPBP-1, RPBP-2, and piping for non-potable cold water (NPC) connections to trench drains, attached.
- C. Add note #3, attached.

12. Sheet P800 Schedules – Plumbing

- A. Replace Sheet P800 with new Sheet P800, issued with this Addendum.
- B. Add RPBP Schedule.

13. Sheet E000 – Symbols, Abbreviations & Sheet Index

- A. Lighting Control Panel (LCP) System, disregard any note for Cat 5 or Cat 5e wiring. Z-max panel only uses twisted pairs.

14. Sheet E100 – Floor Plan – Lighting

- A. Concession #100 – Provide one (1) toggle switch to control four (4) type “F” light fixtures.
- B. Women’s #200 – Center three (3) type “F” light fixtures between column lines 5 & 6.
- C. Exterior of Building – Delete one (1) type “C” light fixture at column lines C/6.
- D. All areas with exposed ceilings to structure – Ceiling mounted sensors can be installed on walls in locations to provide maximum coverage.
- E. Tele/Data Raceway Requirements – “Voice/Data/POS cabling to be pulled by Electrical contractor”

15. Prebid Sign-in Sheet

Add prebid sign-in sheet, issued with this addendum.

If any additional information about this Addendum is needed, please call Eric Urtes at 608/266-4798, Urtes.Eric@countyofdane.com.

Sincerely,

Eric Urtes, AIA

Project Manager

Enclosures:

- Section 23 09 15 – DDC Input / Output Summary Table
- P100 – Underfloor Plan - Plumbing
- P101 – Floor Plan - Plumbing
- P800 – Schedules – Plumbing
- Prebid Sign-in Sheet

Architecture
Planning

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849 E. Washington Ave., Ste 112
Madison, Wisconsin 53703

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JDR PROJECT NO. 160205

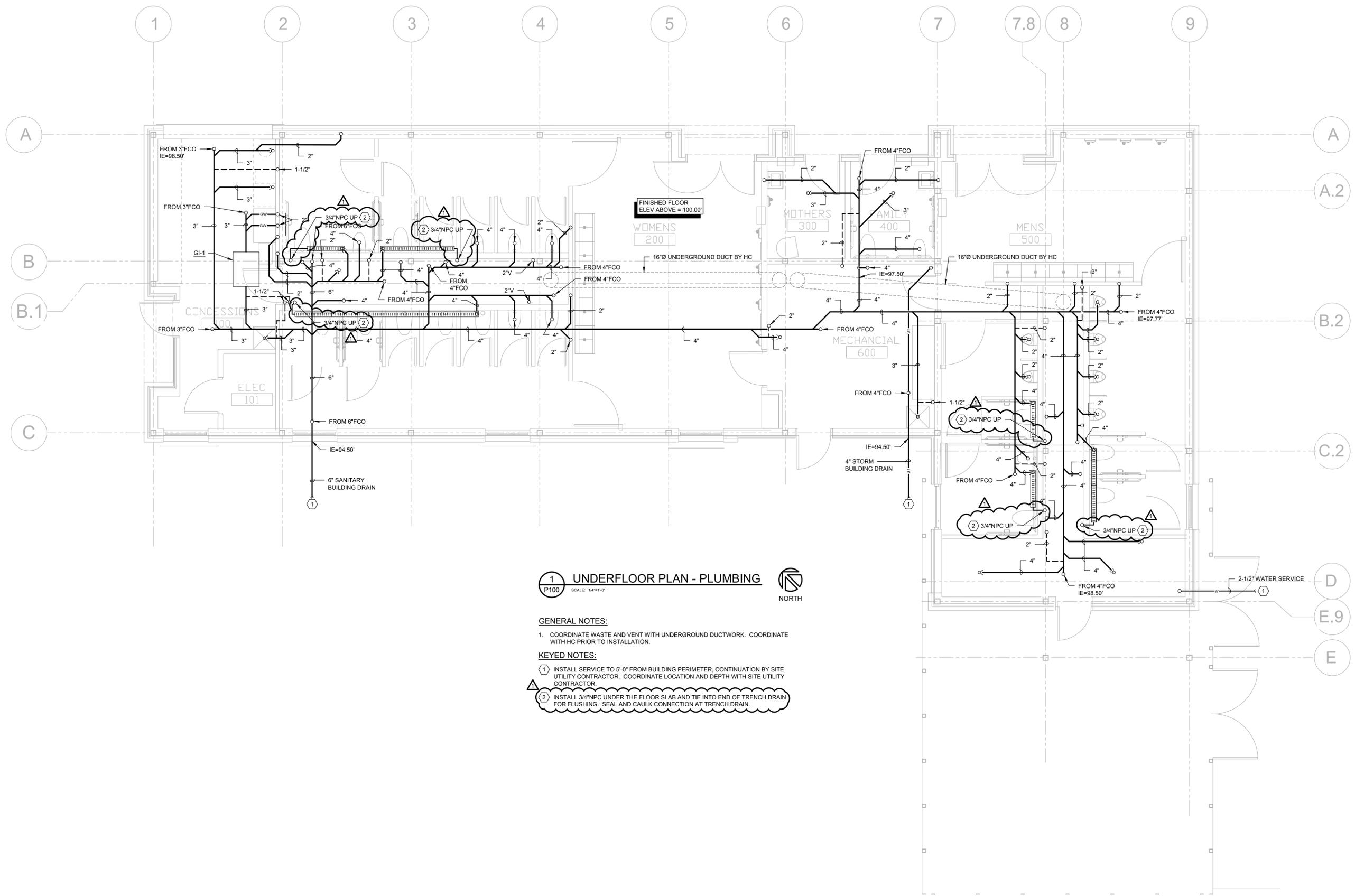
ISSUED
12.13.16 ADDENDUM NO. 1

PROJECT
HENRY VILAS ZOO
NEW RESTROOM FACILITY
1246 VILAS PARK DRIVE
MADISON, WISCONSIN

DRAWING
UNDERFLOOR PLAN -
PLUMBING

DATE
11.29.16

P100



1 UNDERFLOOR PLAN - PLUMBING
P100 SCALE: 1/8"=1'-0" NORTH

- GENERAL NOTES:**
- COORDINATE WASTE AND VENT WITH UNDERGROUND DUCTWORK. COORDINATE WITH HC PRIOR TO INSTALLATION.
- KEYED NOTES:**
- INSTALL SERVICE TO 5'-0" FROM BUILDING PERIMETER, CONTINUATION BY SITE UTILITY CONTRACTOR. COORDINATE LOCATION AND DEPTH WITH SITE UTILITY CONTRACTOR.
 - INSTALL 3/4"NPC UNDER THE FLOOR SLAB AND TIE INTO END OF TRENCH DRAIN FOR FLUSHING. SEAL AND CAULK CONNECTION AT TRENCH DRAIN.

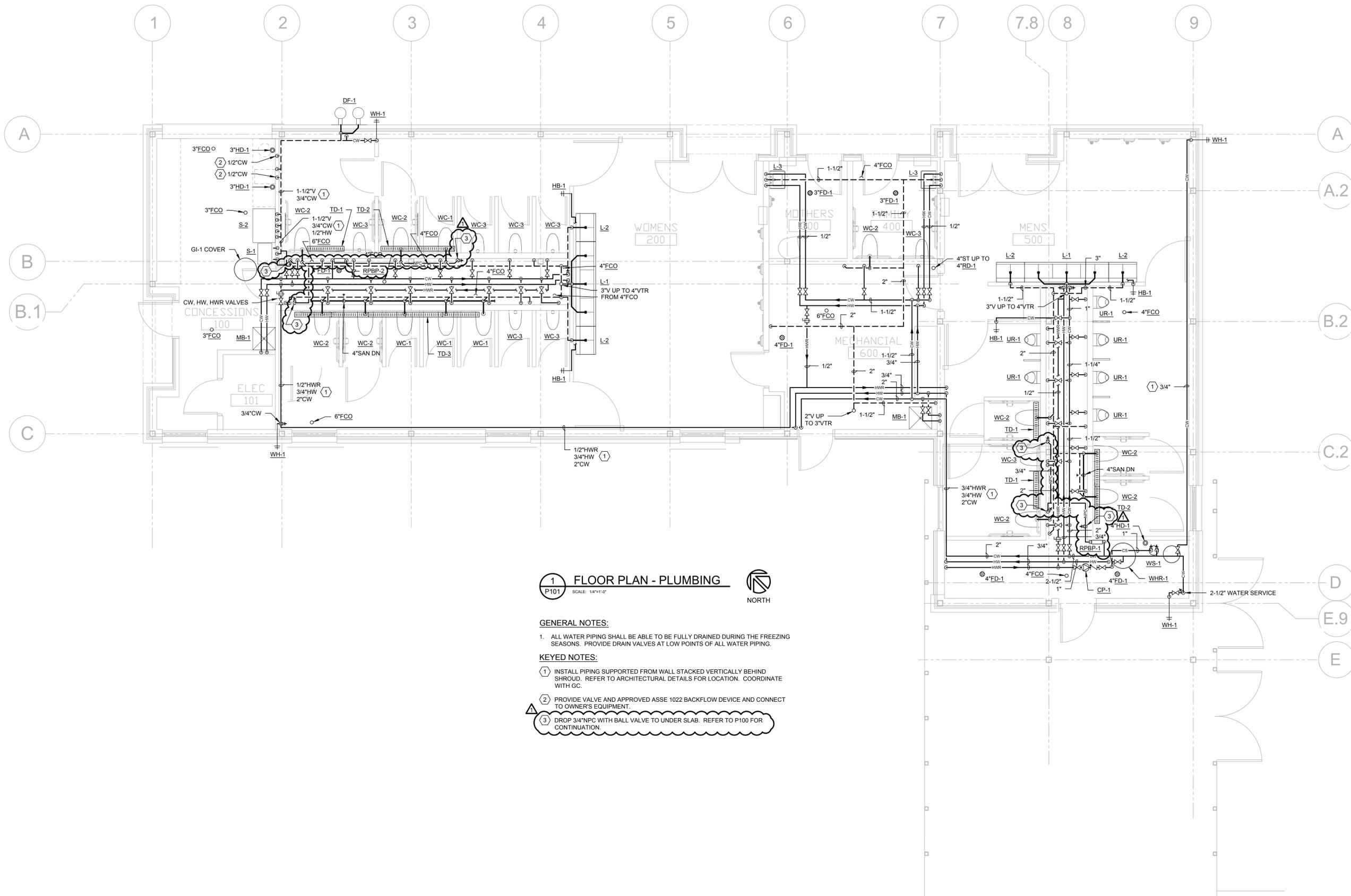
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1 FLOOR PLAN - PLUMBING
P101 SCALE: 1/8\"/>



GENERAL NOTES:

1. ALL WATER PIPING SHALL BE ABLE TO BE FULLY DRAINED DURING THE FREEZING SEASONS. PROVIDE DRAIN VALVES AT LOW POINTS OF ALL WATER PIPING.

KEYED NOTES:

1. INSTALL PIPING SUPPORTED FROM WALL STACKED VERTICALLY BEHIND SHROUD. REFER TO ARCHITECTURAL DETAILS FOR LOCATION. COORDINATE WITH GC.
2. PROVIDE VALVE AND APPROVED ASSE 1022 BACKFLOW DEVICE AND CONNECT TO OWNER'S EQUIPMENT.
3. DROP 3/4\"/>

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DRAWING
FLOOR PLAN - PLUMBING

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P101

PLUMBING DRAIN & CLEANOUT SCHEDULE

ID	FIXTURE	WASTE			DETAIL/SHEET	DESCRIPTION/REMARKS
		DFU	TRAP	VENT		
FD-1	FLOOR DRAIN	3 4	3" 4"	1-1/2" 2"	---	FIXTURE: ZURN ZN415-B, CAST IRON BODY, 6" DIAMETER NICKEL BRONZE "TYPE B" STRAINER, COMBINATION INVERTIBLE MEMBRANE CLAMP, AND ADJUSTABLE COLLAR.
HD-1	HUB DRAIN - AT GRADE	4 6	3" 4"	1-1/2" 2"	---	EXTEND HUB 2" AFF (MIN), INSTALL PIPE INCREASER ONE PIPE SIZE LARGER.
TD-1	TRENCH DRAIN	4	4"	2"	2/P000	FIXTURE: ACO KLASSIK DRAIN K100 TRENCH DRAIN SYSTEM, 4" INTERNAL WIDTH, ONE (1) ONE METER LENGTH SECTION K1-10, 4" ROUND BOTTOM OUTLET, LOWEST BOTTOM INVERT 5.91, INTEGRAL GALVANIZED FRAME, NO CROSS BARS, CONTINUOUS SLOPE SYSTEM AT 0.5%, INCLUDE END CAPS AT BEGINNING AND END OF TRENCH RUN, TYPE 494Q BLACK POLYPROPYLENE LOCKING GRATE, PROVIDE INSTALLATION DEVICES FOR CHANNELS AND SPARE GRATE REMOVAL TOOLS. REFER TO FLOOR PLANS FOR HIGH POINTS AND LENGTHS OF TRENCH RUN.
TD-2	TRENCH DRAIN	4	4"	2"	2/P000	FIXTURE: ACO KLASSIK DRAIN K100 TRENCH DRAIN SYSTEM, 4" INTERNAL WIDTH, TWO (2) ONE METER LENGTH SECTION K1-9 THRU K1-10, 4" ROUND BOTTOM OUTLET, LOWEST BOTTOM INVERT 5.91, INTEGRAL GALVANIZED FRAME, NO CROSS BARS, CONTINUOUS SLOPE SYSTEM AT 0.5%, INCLUDE END CAPS AT BEGINNING AND END OF TRENCH RUN, TYPE 494Q BLACK POLYPROPYLENE LOCKING GRATE, PROVIDE INSTALLATION DEVICES FOR CHANNELS AND SPARE GRATE REMOVAL TOOLS. REFER TO FLOOR PLANS FOR HIGH POINTS AND LENGTHS OF TRENCH RUN.
TD-3	TRENCH DRAIN	4	4"	2"	2/P000	FIXTURE: ACO KLASSIK DRAIN K100 TRENCH DRAIN SYSTEM, 4" INTERNAL WIDTH, FIVE (5) ONE METER LENGTH SECTION K1-6 THRU K1-10, 4" ROUND BOTTOM OUTLET, LOWEST BOTTOM INVERT 5.91, INTEGRAL GALVANIZED FRAME, NO CROSS BARS, CONTINUOUS SLOPE SYSTEM AT 0.5%, INCLUDE END CAPS AT BEGINNING AND END OF TRENCH RUN, TYPE 494Q BLACK POLYPROPYLENE LOCKING GRATE, PROVIDE INSTALLATION DEVICES FOR CHANNELS AND SPARE GRATE REMOVAL TOOLS. REFER TO FLOOR PLANS FOR HIGH POINTS AND LENGTHS OF TRENCH RUN.
RD-1	ROOF DRAIN	---	---	---	---	FIXTURE: ZURN ZC100-C-EA-R ROOF DRAIN, CAST IRON BODY, 15" DIA, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, UNDERDECK CLAMP, ADJUSTABLE EXTENSION, ROOF SUMP RECEIVER, AND CAST IRON STRAINER.
FCO	FLOOR CLEANOUT	---	---	---	---	UNFINISHED AREAS: ZURN ZN1474-N, CAST IRON BODY, HEAVY DUTY CLEANOUT HOUSING, WITH NICKEL BRONZE TOP & INTERNAL CLEANOUT.
WCO	WALL CLEANOUT	---	---	---	---	FIXTURE: ZURN ZS1468, POLISHED STAINLESS STEEL, ROUND ACCESS COVER, SECURING SCREW & BRONZE RAISED HEX HEAD PLUG, VERIFY LENGTH OF SCREW REQUIRED WITH WALL CONSTRUCTION.

GAS WATER HEATER SCHEDULE

ID	MANUFACTURER MODEL #	GAS CFH	GAS PRESS IN WC	RECOVERY		TANK CAP GAL	DETAIL/SHEET	DESCRIPTION/REMARKS
				GPH	RISE °F			
WHR-1	HTP PHOENIX PH100-80	35-100	12	152	80	80	4/P000	TANK TYPE NATURAL GAS FIRED WATER HEATER, 96% EFFICIENT, SEALED COMBUSTION, 3" VENT/INTAKE, STAINLESS STEEL TANK, MODULATING BURNER WITH 5:1 TURNDOWN, LCD DISPLAY, INCLUDE CONCENTRIC VENTING KIT KGAVT0801CVT AND VENT THRU ROOF.

PUMP SCHEDULE

ID	MANUFACTURER MODEL #	ELECTRICAL				RPM	VFD	DISCHARGE		DETAIL/SHEET	DESCRIPTION/REMARKS
		HP	AMPS	VOLTS	PHASE			GPM	HD FT		
CP-1	B&G NBF-12U	FRAC	0.48	120	1	2800	NO	1.5	2.4	4/P000	BRONZE IN-LINE PUMP, HORIZONTAL LUBRICATED TYPE, CARBON BEARINGS, NORYL IMPELLER, CERAMIC SHAFT, STAINLESS STEEL ACCESSORIES. INCLUDE TIMER KIT TC-1.

GREASE INTERCEPTOR SCHEDULE

ID	MANUFACTURER MODEL #	LIQUID CAP (GAL)	GREASE CAP (LBS)	RATED GPM	SIZE (LxWxH)	DETAIL/SHEET	DESCRIPTION/REMARKS
GI-1	SCHIER PRODUCTS GB-50	52	249	50	37"x28"x28.5"	---	MOLDED SEAMLESS HDPE CONSTRUCTION, EXTENSION TO FINISHED FLOOR, BOLTED DOWN COMPOSITE LID RATED FOR FOOT TRAFFIC, 3" INLET/OUTLET, DIFFUSERS ON INLET AND OUTLET, INSTALL PER MANUFACTURER'S INSTRUCTIONS. CALCULATIONS: FLOW RATE: EACH BASIN SIZE = 21"x12"x14" = 3528 CU IN / 1728 = 2.04 CU FT x 4805 = 15.27 GALLONS x 0.75 (3/4 CAPACITY) = 11.45 GPM LIQUID CAPACITY: 11.45 x 2 BASINS = 22.90 GALLONS GREASE CAPACITY: 22.90 x 2 = 45.82 LBS

REDUCED PRESSURE BACKFLOW PREVENTERS

ID	MANUFACTURER MODEL #	SIZE	GPM	PRESS DROP	SYSTEM	DETAIL/SHEET	DESCRIPTION/REMARKS
RPBP-1	WATTS 919QT-S	3/4"	10	13	TRENCH WASH	---	BRONZE BODY, SILICONE RUBBER DISC IN BOTH CHECK SEATS, STAINLESS STEEL RELIEF VALVE SEATS, INCLUDE AIR GAP FITTING.
RPBP-2	WATTS 919QT-S	3/4"	10	13	TRENCH WASH	---	BRONZE BODY, SILICONE RUBBER DISC IN BOTH CHECK SEATS, STAINLESS STEEL RELIEF VALVE SEATS, INCLUDE AIR GAP FITTING.

PLUMBING FIXTURE SCHEDULE

REFER TO SPECIFICATION SECTION 22 40 00 FOR ACCEPTABLE EQUAL MANUFACTURERS

ID	FIXTURE	WASTE			WATER				DETAIL/SHEET	DESCRIPTION/REMARKS
		DFU	TRAP	VENT (MIN)	COLD		HOT			
					CWFU	SIZE	HWFU	SIZE		
DF-1	DRINKING FOUNTAIN	0.5	1-1/4"	1-1/2"	0.25	1/2"	---	---	---	FIXTURE: ELKAY EZWS-EDFPB117K WALL HUNG, RECESSED, HI-LO ELECTRIC WATER COOLER WITH BOTTLE FILLER, STAINLESS STEEL BASINS, SELF-CLOSING PUSH BUTTON VALVE CONTROLS, 115V/60HZ HARD-WIRED CONNECTION, ADA COMPLIANT. TRAP: CHROME PLATED CAST BRASS P-TRAP. FIXTURE SUPPORT: SEE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SUPPORT BACKING. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
HB-1	HOSE BIBB	---	---	---	3	1/2"	---	---	---	FIXTURE: WOODFORD MODEL B24 ANTI-SIPHON HOSE BIBB, RECESSED LOCKABLE BOX, INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION.
L-1	LAVATORY (ADA HEIGHT)	1	1-1/4"	1-1/2"	0.5	1/2"	0.5	1/2"	---	FIXTURE: BRADLEY VERGE LVSD3-SHANK-NSD-TMA-STAIN-IV-CHROME LAVATORY SYSTEM, THREE (3) STATIONS, SINGLE HOLE DRILLING FOR THREE (3) FAUCET HOLES, NO SOAP DISPENSER, THERMOSTATIC MIXING VALVE PER FAUCET, COLOR TO BE DETERMINED BY A/E DURING SHOP DRAWING REVIEW, STAINLESS STEEL ACCESS PANEL, THREE (3) CHROME PLATED P-TRAPS, ADA COMPLIANT. FAUCET: MOEN COMMERCIAL 8894 METERED FAUCET (THREE FAUCETS), 0.5 GPM AERATOR, SINGLE MOUNTING HOLE, CHROME FINISH, BRASS CONSTRUCTION, CHROME PLATED, ADA COMPLIANT. TRAP & DRAIN: INCLUDED WITH FIXTURE. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
L-2	LAVATORY (JUVENILE HEIGHT)	1	1-1/4"	1-1/2"	0.5	1/2"	0.5	1/2"	---	FIXTURE: BRADLEY VERGE LVSD1-SHANK-NSD-TMA-STAIN-IV-CHROME LAVATORY SYSTEM, ONE (1) STATION, SINGLE HOLE DRILLING FOR ONE (1) FAUCET HOLE, NO SOAP DISPENSER, THERMOSTATIC MIXING VALVE PER FAUCET, COLOR TO BE DETERMINED BY A/E DURING SHOP DRAWING REVIEW, STAINLESS STEEL ACCESS PANEL, ONE (1) CHROME PLATED P-TRAP, ADA COMPLIANT. FAUCET: MOEN COMMERCIAL 8894 METERED FAUCET, 0.5 GPM AERATOR, SINGLE MOUNTING HOLE, CHROME FINISH, BRASS CONSTRUCTION, CHROME PLATED, ADA COMPLIANT. TRAP & DRAIN: INCLUDED WITH FIXTURE. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
L-3	LAVATORY (ADA HEIGHT)	1	1-1/4"	1-1/2"	0.5	1/2"	0.5	1/2"	1/P000	FIXTURE: KOHLER KINGSTON K-2007 WALL HUNG LAVATORY SINK, WHITE VITREOUS CHINA, DRILLED FOR CONCEALED ARM CARRIER, ONE (1) FAUCET HOLE, WITH OVERFLOW, ADA COMPLIANT. FAUCET: MOEN COMMERCIAL 8894 METERED FAUCET, 0.5 GPM AERATOR, SINGLE MOUNTING HOLE, CHROME FINISH, BRASS CONSTRUCTION, CHROME PLATED, ADA COMPLIANT. TRAP & DRAIN: PRE-WRAPPED OFFSET DRAIN & P-TRAP, WITH GRID STRAINER DRAIN. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
MB-1	MOP BASIN	3	3"	1-1/2"	2	1/2"	2	1/2"	---	FIXTURE: MUSTEE 63M 24"x24"x10" HIGH BASIN, ONE PIECE MOLDED DURASTONE, INTEGRAL MOLDED-IN DRAIN, 3" DRAIN CONNECTION. FAUCET: CHICAGO FAUCETS SERVICE SINK FAUCET 305-RCF WITH ROUGH CHROME FINISH, 3/4" MALE HOSE THREADED OUTLET, PAIL HOOK, ADJUSTABLE SUPPLY ARMS WITH INTEGRAL SERVICE STOPS AND LEVER HANDLES, PROVIDE WATTS MODEL 8AC NON-REMOVABLE CHROME VACUUM BREAKER. TRAP & DRAIN: CAST IRON OR PVC P-TRAP. ACCESSORIES: HOSE & HOSE HOLDER 65.700, & MOP HANGER 65.600.
S-1	SINK (HAND SINK)	1	1-1/4"	1-1/2"	0.5	1/2"	0.5	1/2"	1/P000	FIXTURE: KOHLER KINGSTON K-2005 WALL HUNG LAVATORY SINK, WHITE VITREOUS CHINA, DRILLED FOR CONCEALED ARM CARRIER, THREE (3) FAUCET HOLES ON 2" CENTERS, WITH OVERFLOW, ADA COMPLIANT. FAUCET: CHICAGO FAUCETS 895-317GN2AE3XKCP, MANUAL FAUCET, BRASS CONSTRUCTION, 2.2 GPM AERATOR, POLISHED CHROME FINISH, 5-1/4" RIGID GOOSENECK SPOUT, TWO 4" WRISTBLADE HANDLES, TWO HOLE MOUNTING ON 4" CENTERS, DECK MOUNTED, ADA COMPLIANT. TRAP & DRAIN: PRE-WRAPPED OFFSET DRAIN & P-TRAP, WITH GRID STRAINER DRAIN. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
S-2	SINK (3-COMPARTMENT)	2	1-1/2"	1-1/2"	2	1/2"	2	1/2"	---	FIXTURE: ADVANCED TABCO 400 SERIES 4-3-36, 16 GAUGE TYPE 430 STAINLESS STEEL SINK, FLOOR STANDING, THREE COMPARTMENTS 21"x12"x14" DEEP, TWO FAUCET HOLES ON 8" CENTERS ON BACK SPLASH. FAUCET: CHICAGO FAUCETS 510-C613AL15ABCP, MANUAL FAUCET WITH PRE-RINSE FAUCET, BRASS CONSTRUCTION, POLISHED CHROME FINISH, TWO HOLE MOUNTING ON 8" CENTERS, 14" SWING SPOUT, 23" RISER WITH SPRING GUIDE, 44" FLEXIBLE STAINLESS STEEL HOSE WITH INSULATED HANDLE ON PRE-RINSE FAUCET. TRAP & DRAIN: CHROME PLATED CAST BRASS P-TRAP, WITH GRID STRAINER DRAIN. STOPS & SUPPLIES: MCGUIRE H2167LK, LOOSE KEY QUARTER TURN ANGLE STOPS WITH CHROME PLATED ESCUTCHEONS & CHROME PLATED COPPER RISER SUPPLIES.
UR-1	URINAL (ADA COMPLIANT)	2	2	1-1/2"	2	3/4"	---	---	---	FIXTURE: KOHLER BRANHAM K-4920-T FLOOR MOUNTED URINAL, WHITE VITREOUS CHINA, WASHOUT, 3/4" TOP SPUD, 0.5 GPF, ADA COMPLIANT. FLUSH VALVE: SLOAN ROYAL 186-0.5 URINAL FLUSH VALVE, MANUAL OPERATION, DIAPHRAGM TYPE, CHROME FINISH, 3/4" TOP SPUD, 3/4" SCREWDRIVER ANGLE STOP, ADA COMPLIANT.
WC-1	WATER CLOSET (STANDARD HEIGHT)	6	4"	2"	6.5	1-1/2"	---	---	---	FIXTURE: KOHLER KINGSTON K-4325, WALL HUNG, FLUSH VALVE TOILET, WHITE VITREOUS CHINA, ELONGATED BOWL, 1.6 GPF MAX, 2.25" TRAPWAY, 1-1/2" TOP SPUD, 15" RIM HEIGHT. FLUSH VALVE: SLOAN ROYAL 111-1.6 WATER CLOSET FLUSH VALVE, MANUAL OPERATION, DIAPHRAGM TYPE, CHROME FINISH, 1-1/2" TOP SPUD, 1" SCREWDRIVER ANGLE STOP, ADA COMPLIANT. SEAT: BEMIS 1655-SSC TOILET SEAT, INJECTION MOLDED WHITE PLASTIC, OPEN FRONT, ELONGATED BOWL, STAINLESS STEEL HINGES. SUPPORT: COMMERCIAL GRADE, WALL HUNG WATER CLOSET SUPPORT, STEEL STANCHIONS, IRON WELDED FEET, STEEL SLEEVES, FASTEN TO FLOOR.
WC-2	WATER CLOSET (ADA HEIGHT)	6	4"	2"	6.5	1-1/2"	---	---	---	FIXTURE: SAME AS WC-1, ADA HEIGHT. FLUSH VALVE: SAME AS WC-1, ADA HEIGHT. SEAT: BEMIS 1655-SSC TOILET SEAT, INJECTION MOLDED WHITE PLASTIC, OPEN FRONT, ELONGATED BOWL, STAINLESS STEEL HINGES. SUPPORT: COMMERCIAL GRADE, WALL HUNG WATER CLOSET SUPPORT, STEEL STANCHIONS, IRON WELDED FEET, STEEL SLEEVES, FASTEN TO FLOOR.
WC-3	WATER CLOSET (CHILD HEIGHT)	6	4"	2"	6.5	1-1/2"	---	---	---	FIXTURE: KOHLER PRIMARY K-4321, FLOOR MOUNTED, FLUSH VALVE TOILET, WHITE VITREOUS CHINA, 1-1/2" TOP SPUD, 2.125" PASSAGEWAY, 1.6 GPF, 10" ROUGH-IN, CHILD HEIGHT. FLUSH VALVE: SLOAN ROYAL 111-1.6 WATER CLOSET FLUSH VALVE, MANUAL OPERATION, DIAPHRAGM TYPE, CHROME FINISH, 1-1/2" TOP SPUD, 1" SCREWDRIVER ANGLE STOP, CHILD HEIGHT. SEAT: KOHLER K-4686, OPEN FRONT TOILET SEAT, INJECTION MOLDED, SCALLOPED HANDHOLD LOCATIONS FOR CHILDREN. FIXTURE: WOODFORD MODEL 67, EXTERNAL FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION, LOOSE TEE KEY.
WH-1	WALL HYDRANT	---	---	---	4	3/4"	---	---	---	FIXTURE: WOODFORD MODEL 67, EXTERNAL FREEZELESS WALL HYDRANT, AUTOMATIC DRAINING, INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION, LOOSE TEE KEY.

WATER SOFTENER SCHEDULE

ID	MANUFACTURER MODEL #	ELECTRICAL			GPM		MAX PRESS DROP	GRAINS CAPACITY/LBS SALT	RESIN TANK SIZE		SALT STORAGE			DETAIL/SHEET	DESCRIPTION/REMARKS
		AMPS	VOLTS	PHASE	CONT	PEAK			DIA	HEIGHT	DIA	HEIGHT	LBS		
WS-1	HELLENBRAND H125-48	FRAC	120	1	19	28	15	48,460/22.5	10"	54"	18"	40"	330	3/P000	SIMPLEX SYSTEM, 1.25" METER AND VALVE, FULLY PROGRAMMABLE, LCD DISPLAY, BRINE TANK INCLUDED.

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DRAWING
SCHEDULES - PLUMBING

DATE
11.29.16

P800

Henry Vilas Zoo
New Restroom Facility

RFB#: 316048
12/08/16

Name	Company	Phone No. +Email
Jeff Watkins	Monona Plumbing and Fire	608-219-1080 jwatkins@mononapfp.com
Iscon Schultz	M PFP	608-220-6900 ischultz@mononapfp.com
Eric Steinhoff	H.J Pertzborn Plumbing	608-516-5714 esteinhoff@hjperzborn.com
Vince Laufenberg	McTree Associates	271-4900 vincol@mctreeassocinc.com
Wade Porter	Findorff	516-6436 wporter@findorff.com
Doug Olsen HH Plumbing Services	HH Plumbing Services	268-4324 dolsen@hhplumbing-services.com
Dan Ott	HiH Electric	920-319-6311 dott@hhelectric.com
Kim Jones	UP + S	608-588-5470 kjones@upands.com

Johanna Welsh	ATAS	312 859 2066 jwelsh@atas.com
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Henry Vilas Zoo
New Restroom Facility

RFB#: 316048
12/08/16

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