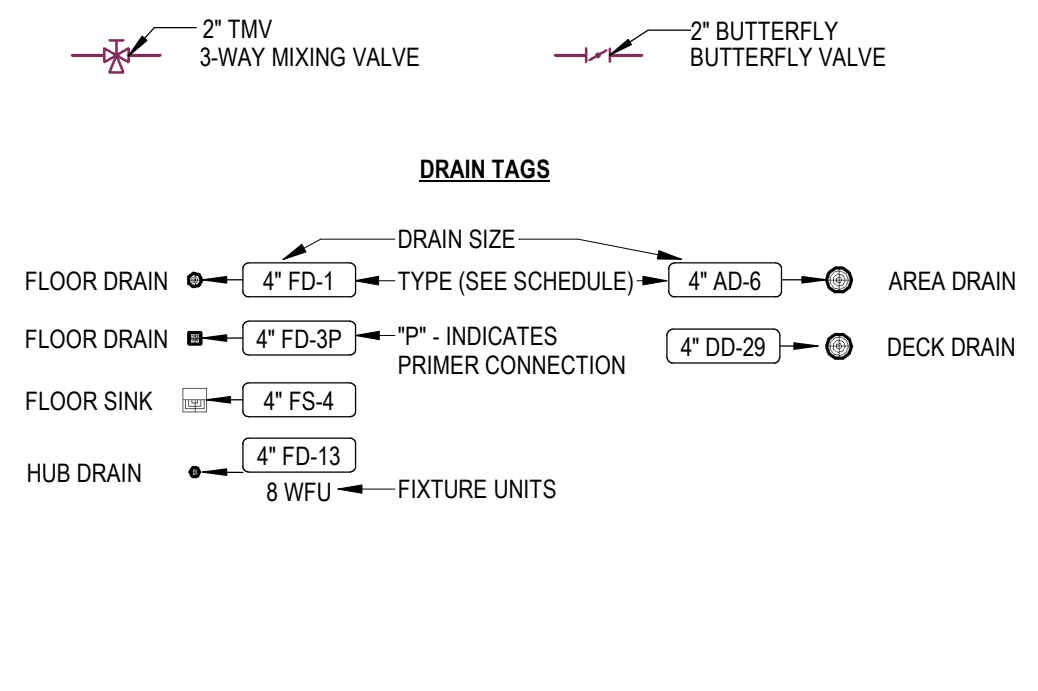
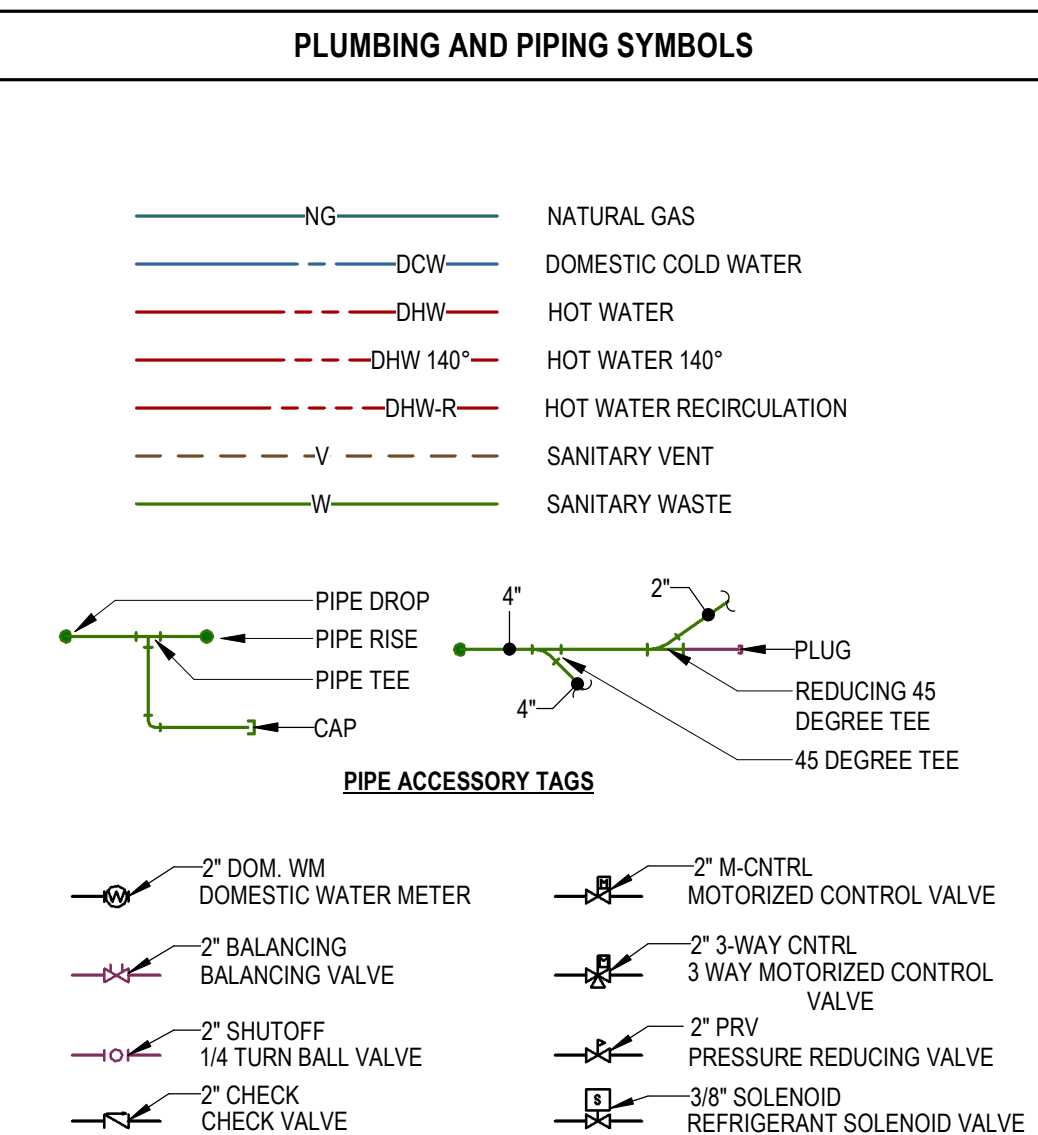


### ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	AIR CONDITIONING	LWT	LEAVING WATER TEMPERATURE
AC	AREA DRAIN	MA	MIXED AIR
AD	ADDENDUM	MAX	MAXIMUM
ADD	ABOVE FINISHED FLOOR	MBH	ONE THOUSAND BTU PER HOUR
AFF	ANNUAL FUEL UTILIZATION EFFICIENCY	MCF	ONE THOUSAND CUBIC FEET
AFUE	ALTERNATE	MD	MOTORIZED DAMPER
ALT	ACCESS PANEL	MECH	MECHANICAL
AP	ARCHITECT/ARCHITECTURAL	MFR	MANUFACTURER
ARCH	BELOW FINISHED FLOOR	MIN	MINIMUM
BFF	BELOW	MISC	MISCELLANEOUS
BLW	BRITISH THERMAL UNITS	MTR	MOTOR
BTU	BRITISH THERMAL UNITS PER HOUR	MU/A	MAKE-UP AIR
BTUH	CAPACITY	NC	NOISE CRITERIA
CB	CATCH BASIN	NC	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
CO	CLEAN OUT	NO	NORMALLY OPEN
CW	COLD WATER	NTS	NOT TO SCALE
D	DEGREE	O	OXYGEN
DB	DRY BULB	O/A	OUTSIDE AIR
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN
DN	DOWN	PD	PRESSURE DROP
DW	DISTILLED WATER	PV	POST INDICATOR VALVE
EA	EACH	PLBG	PLUMBING
EAT	ENTERING AIR TEMPERATURE	PRESS	PRESSURE
ELEC	ELECTRICAL	PRV	PRESSURE REDUCING VALVE
EQUIP	EQUIPMENT	PSI	POUNDS PER SQUARE INCH
EWC	ELECTRIC WATER COOLER	PSIG	POUNDS PER SQUARE INCH GAUGE
EWT	ENTERING WATER TEMPERATURE	PWR	POWER
E/A	EXHAUST AIR	R	DUCT RISER
EXIST	EXISTING	R/A	RETURN AIR
F	DEGREES FAHRENHEIT	RCP	RADIANT CEILING PANEL
FCO	FLOOR CLEAN OUT	RD	ROOF DRAIN
FD	FLOOR DRAIN	REC	RECESSED
FD	FIRE DAMPER	RED	REDUCER
FDV	FIRE DEPARTMENT VALVE	RH	RELATIVE HUMIDITY
FL	FLOOR	RL/A	RELIEF AIR
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPM	FEET PER MINUTE	SIA	SUPPLY AIR
FS	FLOOR SINK	SAN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GC	GENERAL CONTRACTOR	SP	STANDPIPE
GPM	GALLONS PER MINUTE	SP	STATIC PRESSURE
GW	GREASE WASTE	STM	STEAM
HB	HOSE BIB	T	THERMOSTAT
HP	HORSE POWER	TD	TEMPERATURE DROP
HTG	HEATING	TD	TRENCH DRAIN
HTR	HEATER	TEMP	TEMPERATURE
HW	HOT WATER	TYP	TYPICAL
HYD	HYDRANT	UG	UNDERGROUND
ID	INDIRECT	VAC	VACUUM
IN	INCH	V	VENT
INV	INVERT	VAV	VARIABLE AIR VOLUME
LB	POUND	VENT	VENTILATION
LB/HR	POUNDS PER HOUR	VTR	VENT THROUGH ROOF
LAT	LEAVING AIR TEMPERATURE	W	WASTE
LP	LOW PRESSURE	WB	WET BULB
LPG	LIQUEFIED PETROLEUM GAS	WCO	WALL CLEAN OUT
		WH	WALL HYDRANT



- ### PLUMBING GENERAL NOTES
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
  - PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
  - NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S.
  - CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
  - PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
  - REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
  - CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
  - LOCATE ALL VENTS MINIMUM 10' AWAY FROM AIR INTAKES.
  - MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
  - INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
  - COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
  - COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
  - SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
  - LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING OR WITHIN THE WALL. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
  - FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
  - FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
  - WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
  - INSTALL CLEANOUTS IN DRAIN PIPING AS REQUIRED BY CODE.

\*NOTE\*

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

- ### PROJECT GENERAL NOTES
- THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
  - WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSALE DRAINS AT COMPLETION OF CONSTRUCTION.
  - COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
  - THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
  - FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
  - COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
  - PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
  - TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
  - REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
  - ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
  - FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
  - MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
  - INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
  - LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING. ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
  - THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
  - IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
  - DETAILS REFERENCE ALL SHEETS.
  - INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
  - ROUTE DOMESTIC WATER, SANITARY WASTE, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
  - LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING OR WITHIN WALLS PROVIDE AN ACCESS DOOR. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT.

### PLUMBING SHEET INDEX

P000	PLUMBING TITLE SHEET
P100	UNDERFLOOR PLUMBING PLAN
P101	LEVEL 1 PLUMBING PLAN
P102	BARN FLOOR PLUMBING PLAN - TACK AREA
P103	BARN FLOOR PLUMBING PLAN - FRONT ENTRY
P104	BARN FLOOR PLUMBING PLAN - NORTH WING
P105	BARN FLOOR PLUMBING PLAN - SOUTH WING
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
P701	PLUMBING SCHEMATICS
P702	PLUMBING SCHEMATICS
P703	PLUMBING SCHEMATICS

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### DRAWING REVISIONS

#	ISSUED FOR:	DATE

### DRAWING LIST

# STAGHEAD STABLES & ARENA

4194 950 N  
OGDEN, UTAH

DRAWING TITLE  
**PLUMBING TITLE SHEET**

SCALE: As indicated  
 DATE: Issue Date  
 DRAWN: Author CHECKED: Checker

PROJ. NO. **240273**  
 SHEET NO. **P000**

CONSULTANTS:

QUINIS EQUESTRIAN  
 DBA  
 QUINIS DESIGN WORKS

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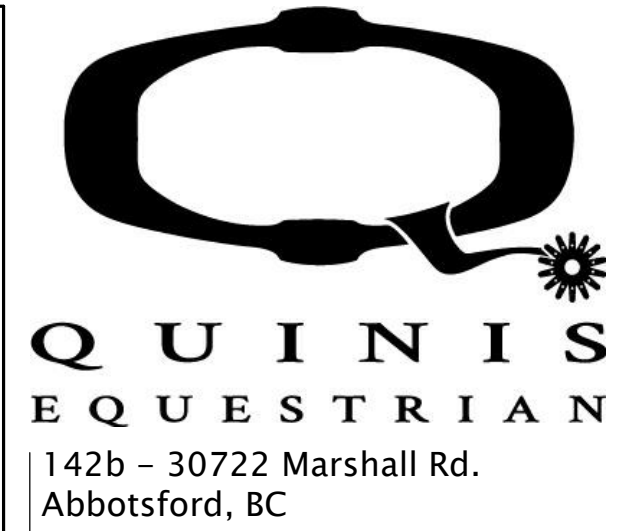
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**PLUMBING FIXTURE SCHEDULE**

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	SPECIFICATION
FD-1	FLOOR DRAIN	-	-	SEE PLANS	2	FLOOR DRAIN: SMITH FIGURE 2247C HEAVY DUTY FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 12-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE WITH SEDIMENT BUCKET WITH LIFT BAR. PROVIDE DEEP SEAL TRAP AND TRAP GUARD TYPE. TRAP SEAL DEVICE.
YH-1	GROUND HYDRANT	3/4	-	-	-	GROUND HYDRANT: WOODFORD MODEL Y34 FREEZELESS IOWA YARD HYDRANT. PROVIDE WITH 3' BURY DEPTH AND COORDINATE MOUNTING HEIGHT WITH ARCH PLANS.

**KEYNOTES**

- 1 CONCRETE SUMP BOX BY OTHERS.
- 2 CONTRACTOR TO PROVIDE WATER TIGHT SEAL BETWEEN CONCRETE SUMP WASTE OUTLET AND WASTE LINE.
- 3 WASTE LINES TO CONNECT BETWEEN DRAINAGE SUMPS, CONNECTIONS TO BE SEALED WATER TIGHT.
- 4 DOMESTIC RECIRC LINE TO CONNECT TO HOT WATER SUPPLY IN AN ACCESSIBLE LOCATION ABOVE GRADE. ACCESS PANEL IS TO BE PROVIDED AS REQUIRED.
- 5 ROUGH IN PLUMBING FIXTURES FOR FUTURE. TYP.
- 6 COLD WATER STUB UP FOR HORSE WATERING.
- 7 HOT AND COLD WATER STUB UP FOR WASHROOM STALLS
- 8 3 SET OF HOT COLD AND RECIRC LINES TO STUB UP INTO BLANKET RM.
- 9 FLOOR DRAIN AND HORSE WASH DRAINAGE SYSTEM TO CONNECT TO WATER HARVESTING SYSTEM
- 10 SANITARY SEWER SYSTEM TO CONNECT TO SEPTIC SYSTEM BY OTHERS.
- 11 DRAINS BY OTHERS.



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**STAGHEAD STABLES & ARENA**  
4194 950 N  
OGDEN, UTAH

DRAWING TITLE  
**UNDERFLOOR PLUMBING PLAN**

SCALE: 3/32" = 1'-0"  
DATE: Issue Date  
DRAWN: Author CHECKED: Checker

PROJ. NO. 240273  
SHEET NO. P100

CONSULTANTS:

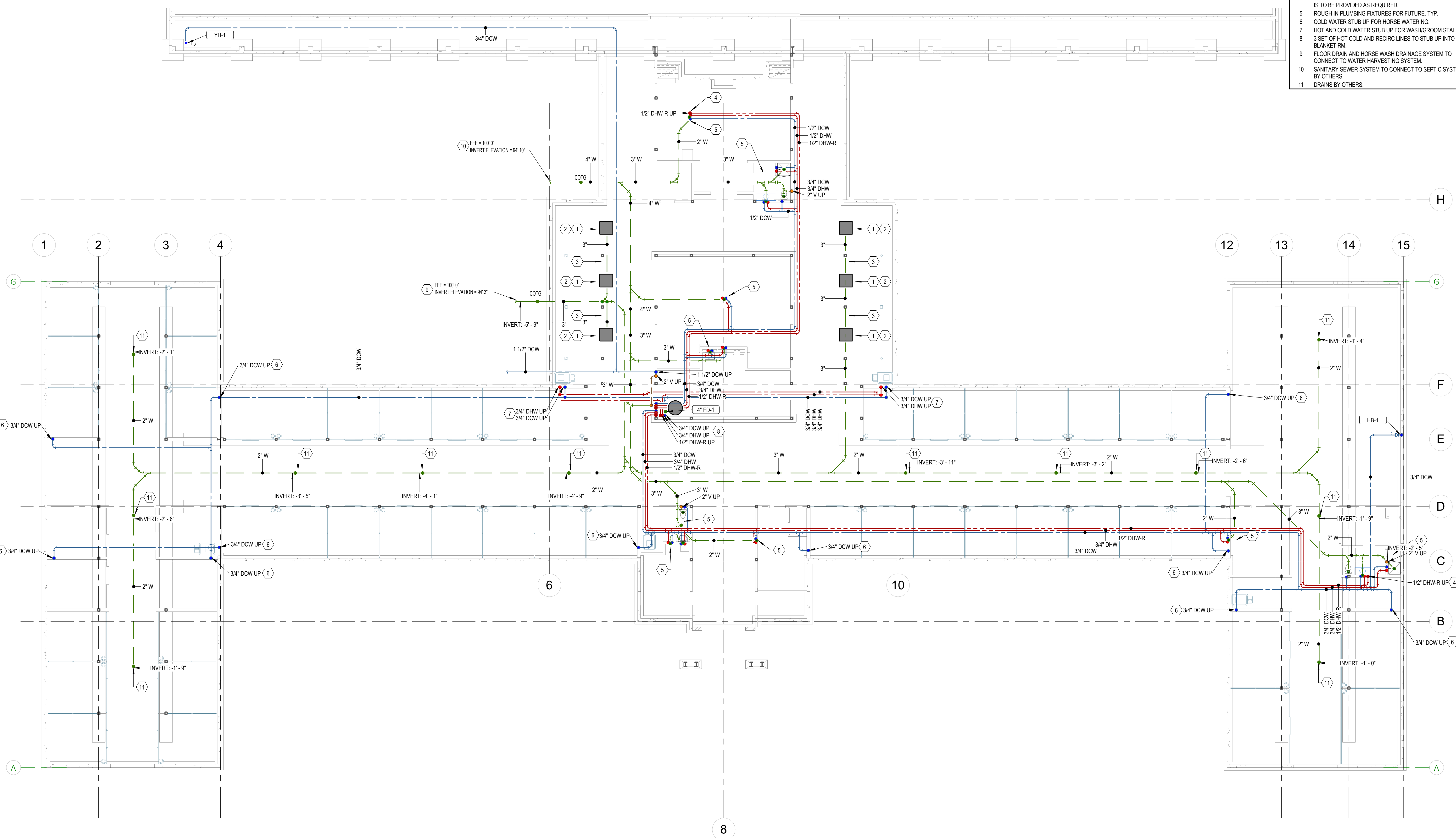
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1 UNDERFLOOR PLUMBING PLAN  
3/32" = 1'-0"