

PLUMBING GENERAL NOTES :

(FOR ALL PLUMBING SHEETS)

- THIS PROJECT WAS DESIGNED UNDER 2000 LOUISIANA PLUMBING CODE AND ALL APPLICABLE LOCAL AMENDMENTS.
- PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
- UTILITIES NOTES:**
 - CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE PRIOR TO STARTING ANY NEW WORK.
 - CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF SITE SERVICES AS REQUIRED TO PETS'SMART UTILITY LOCATIONS.
 - CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICES UNLESS OTHER PROVISIONS HAVE BEEN MADE.
 - CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE A JUSTIFICATION FOR ANY EXTRA CHARGES.
- ALL FLOOR CLEANOUTS AT MAIN SALES FLOOR ARE TO BE LOCATED A MINIMUM OF 4" FROM FACE OF PALLET RACKS BUT NOT BENEATH - SEE FIXTURE PLAN F1.0 FOR COORDINATION WITH RACKING.
- ALL FIRE AND DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OR JOIST THROUGHOUT THE STORE WHERE CEILING DOES NOT EXIST. ALL PLUMBING FIXTURES SHALL HAVE SHUT OFF VALVE AT ALL SUPPLY BRANCHES. BRANCH SHUT-OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12" INCH ABOVE CEILING TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE ACCESS PANELS AS NEEDED.
- COORDINATE WATER LINES WITH ELECTRICAL CONTRACTOR. PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS OR EQUIPMENT OR CLEAR WORKING SPACE.
- PLUMBING CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. INSTALL A CLEAN OUT 12" A.F.F. AS SHOWN ON PLAN (SHOWN AT 45° FOR CLARITY ONLY). SHALL BE FLUSH WITH FINISH SURFACE OF WALL. WASTE/ VENT, HOT AND COLD WATER ROUGH-IN TO BE CENTERED UNDER SINK SIDE BY SIDE (EXCEPT WHERE IT IS IMPOSSIBLE PER SITE CONDITIONS AND MENTIONED IN KEYED NOTES) AND @ 12" A.F.F. CHECK WITH ADVANCED FIXTURE INCORPORATED (A.F.I.) BEFORE INSTALLING CLEANOUT. LOWER CLEANOUT IF REQUIRED TO AVOID CONFLICT.
- ALL FAUCETS SHALL RECEIVE PLASTIC SLEEVES/INSERT TO ALLOW FAUCET SWIVEL.
- PRIOR TO SUBMITTING THE BID PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIAL THAT PEX PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PEX PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER SHALL BE PEX POLYETHYLENE TUBING, LARGER WATER PIPING SIZES SHALL BE COPPER. INSTALL PEX TUBING PER MANUFACTURERS INSTRUCTIONS. DO NOT STORE PEX TUBING AND FITTINGS IN DIRECT OR INDIRECT SUNLIGHT.
- REFER TO SCHEMATIC WATER AND WASTE DIAGRAMS ON SHEET P3.0 FOR ALL PIPE SIZE INFORMATION.
- PLUMBING CONTRACTOR SHALL FLUSH ALL SANITARY LINES AT THE END OF THE PROJECT TO ENSURE FREE FLOWING SYSTEM AND VIDEO ALL LINES AND PROVIDE FINAL VIDEO TO PETS'SMART ON AT TURNOVER.
- IF STATIC PRESSURE IS BELOW 60 PSI, AN ALTERNATE BOOSTER PUMP BID IS REQUIRED. IF STATIC WATER PRESSURE IS ABOVE 70 PSI A PRESSURE REDUCING VALVE IS REQUIRED AND SHALL BE INSTALLED IMMEDIATELY UPSTREAM OF THE BACKFLOW PREVENTOR ON THE INCOMING BUILDING SERVICE LINE.

PLUMBING KEY NOTES :

(FOR SHEETS P1.0 AND P1.1)

- P1** 1-1/2" COLD WATER LINE TO 5'-0" OUTSIDE OF BUILDING. SEE CIVIL PLAN FOR CONTINUATION (PROVIDE 1-1/2" WATER METER AND BACKFLOW PREVENTER AS REQUIRED BY APPLICABLE CODE). PROVIDE BUILDING SHUT-OFF VALVE ON RISER AND 4" FLOOR DRAIN (MIN.). SEE DETAIL #3 ON SHEET P2.0.
- P2** EXTEND WASTE LINE TO 5'-0" OUTSIDE OF BUILDING. COORDINATE WITH CIVIL PLANS. INVERT ELEVATION IS 86.0' AT EXIT POINT OF BUILDING. THIS IS BASED ON A TYPICAL 100'-0" F.F.E. AND TOTAL DEVELOPED LENGTH OF 250 FT. AT 1/8" SLOPE, AND A STARTING INVERT OF 86.5'.
- P3** SEE ENLARGED AREA PLANS ON SHEET P1.1 FOR PIPING CONTINUATION.
- P4** NOT USED.
- P5** CPVC CONDENSATE DRAINS SHALL MATCH UNIT DRAIN CONNECTION. DRAIN ON ROOF WITH 6" DEEP TRAP AND VENT - SEE SHEET P2.0 FOR CONDENSATE DRAIN AND FOR PIPING SUPPORT DETAILS #4 & 5. IF COPPER DRAIN IS REQUIRED BY CODE OR LOCAL OFFICIAL PAINT WHITE.
- P6** TWO-WAY CLEANOUT - SEE SHEET P2.0 FOR DETAIL #6.
- P7** 3/4" COLD WATER DOWN WALL TO (HB-2) WITH SHUT-OFF VALVE AND "Y" CONNECTION.
- P8** GAS METER AND INCOMING SERVICE STOP 5'-0" OUTSIDE BUILDING AND COORDINATE WITH GAS COMPANY AND CIVIL DRAWINGS FOR EXACT LOCATION. (SEE SHEET P3.0 FOR SIZING CRITERIA AND LOADS.) SEE DETAIL #1 ON SHEET P2.0 FOR MORE INFORMATION.
- P9** PAINT GAS PIPING ON ROOF TRAFFIC YELLOW. SUPPORT PIPING AS ILLUSTRATED IN DETAIL #6 ON SHEET P2.0.
- P10** 3" GAS RISER, ROUTE EXPOSED AND TIGHT AGAINST OUTSIDE OF WALL TO ROOF.
- P11** UNDERGROUND FIRE RISER SUPPLY LINE. RISER SIZED IN ACCORDANCE WITH INSURANCE CARRIER, AND HYDRAULIC CALCULATION REQUIREMENTS. REFER TO SPRINKLER SHOP DRAWINGS FOR ADDITIONAL INFORMATION. RUN TO 5'-0" OUTSIDE BUILDING AND CONNECT TO EXISTING UNDERGROUND FIRE LINE. SEE CIVIL DRAWING FOR CONTINUATION AND EXACT LOCATION.
- P12** PROVIDE A 2'-6" x 6'-6" AREA FREE OF ANY OBSTRUCTIONS FOR FIRE SPRINKLER RISER SYSTEM. PROVIDE 4" x 2-1/2" x 2-1/2" F.D.C. WITH CHECK VALVE, NATIONAL STANDARD THREADS, AND ELECTRIC ALARM BELL AS REQUIRED BY CODE AND/OR A.H.J.
- P13** NOT USED.
- P14** INSTALL SANITARY PIPING WITH SLOPE PER APPLICABLE CODE. COORDINATE EXACT ROUTING WITH STRUCTURAL FOOTING AND ALL CONSTRUCTION TRADES PRIOR TO ROUGH-IN INSTALLATION.
- P15** INSTALL PIPING ABOVE THE BOTTOM CHORD OF JOIST THROUGHOUT THE STORE WHERE OPEN TO STRUCTURE, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.
- P16** COORDINATE EXACT FLOOR DRAIN (FD-2) INSTALLATION WITH BACKFLOW PREVENTER INSTALLATION. TERMINATE RPZ BACKFLOW PREVENTER RELIEF DRAIN PIPE AS REQUIRED OVER DRAIN.
- P17** SEE SHEET P1.0 FOR PIPING CONTINUATION.
- P18** OVERHEAD COLD WATER STUB TO FEED AQUARIUM EQUIPMENT. PROVIDE SHUT-OFF VALVE, FINAL CONNECTION TO AQUARIUM BY CONTRACTOR, DO NOT DROP TAP DOWN FROM JOIST SPACE BEFORE AQUARIUM EQUIPMENT IS INSTALLED. BRACE VERTICAL DROP AS REQUIRED. PLUMBING SUPPLIER SHALL PROVIDE: WILKINS - SERIES 9700L-3/4", REDUCED PRESSURE ZONE BACKFLOW PREVENTER W/BLOW OFF STRAINER, WILKINS - 800G-3/4" REGULAR TAPPED AND ASSEMBLED REGULATOR WITH 92-25A GAUGE (25-75) PSI ADJUSTABLE.
- P19** 3/4" COLD / HOT WATER SURFACE MOUNTED TO WALL. MOUNT ZURN FAUCET 60" A.F.F. SEE DETAIL #13 ON SHEET P2.0. NO UNISTRUT IS ALLOWED TO MOUNT PLUMBING IN BATHING AREA. EXPOSED WATER SUPPLY PIPING IN BATHING AREA - SHALL BE COPPER (INCLUDING VALVES AND FITTINGS).
- P20** INSTALL PIPING ABOVE CEILING, COORDINATE EXACT ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION. ALL SHUT-OFF VALVES, WHERE APPLICABLE, SHALL BE INSTALLED @ 12" MAXIMUM IN CEILING SPACE TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES (ON VERTICAL, IF NECESSARY).
- P21** INSTALL COMPLETE RECIRCULATION PUMP (RP-1) ASSEMBLY VERTICALLY ON THE WALL WITH PUMP AT 7'-0" A.F.F. TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE WALL MOUNTED SUPPORT AS REQUIRED. REFER TO DETAIL ON SHEET P1.1.
- P22** INSTALL 4" FLOOR DRAIN NEXT TO DOMESTIC WATER HEATER. TERMINATE T&P RELIEF VALVE DRAINAGE PIPING FROM DOMESTIC WATER HEATER WITH REQUIRED AIR GAP PER APPLICABLE CODES AND/OR A.H.J.
- P23** RUN TRAP PRIMER (TP-1) 1/2" PEX POLYETHYLENE PIPING IN WALL AND BELOW SLAB TO P-TRAPS WHERE SHOWN. SEE DETAIL #12 ON DRAWING P2.0 FOR MORE INFORMATION.

PLUMBING BANFIELD KEY NOTES :

(FOR SHEETS P1.0 AND P1.1)

- PB1** EYEWASH (EW-1) MOUNTED ON COUNTER, SHALL BE INSTALLED WITH LOCKABLE THERMOSTATIC MIXING VALVE ES150 AS MANUFACTURED BY POWERS (COMBINATION THERMOSTATIC AND PRESSURE REGULATING BALANCING MIXING VALVE FOR SUPPLYING TEMPERED WATER TO EYE-SPRAY UNIT. VALVE SHALL HAVE A DUAL INTERNAL COLD WATER BY-PASS TO ENSURE FLOW IN EVENT OF VALVE FAILURE OR LOSS OF HOT WATER SUPPLY. BY-PASS SHALL RESPOND TO CHANGES IN TEMPERATURE AND PRESSURE. INSTALL VALVE IN SINK CABINET PER MANUFACTURER'S RECOMMENDATIONS.
- PB2** FINAL CONNECTION TO 3" PVC PIPE STUBBED UP 6" A.F.F. TO ELEVATED KENNEL BY PLUMBING CONTRACTOR, SEE DETAIL #16 ON SHEET P2.0.
- PB3** EXACT LOCATION OF SCAVENGER DROPS SHALL BE ADJUSTED AS REQUIRED PER CEILING AND PETS EQUIPMENT LAYOUT. COORDINATE WITH GENERAL CONTRACTOR FOR FINAL LOCATION. SEE DETAILS #18 & 19 ON SHEET P2.0 FOR MORE INFORMATION.
- PB4** ROUTE WATER SUPPLY LINES DOWN IN WALL CAVITY BETWEEN TREATMENT TABLES.
- PB5** 3/4" HOT AND COLD WATER AND 2" DRAIN TO (WB-1) FOR WASHER. SEE DETAIL #2 ON SHEET P2.0 FOR MORE INFORMATION.
- PB6** CONDUIT FOR OXYGEN TO BE CONCEALED BEHIND WALL AND / OR ABOVE CEILING GRID. CONDUIT TO BE 1/2" OD 1" COPPER LINE BRAZED TOGETHER WITH APPROPRIATE SOLDER FOR OXYGEN DELIVERY.
- PB7** 2- 250 CUBIC FOOT OXYGEN TANKS ARE SECURED TO WALL, MANIFOLDED AND VALVED BY OTHERS AS DESCRIBED IN NFPA 99.
- PB8** ROUTE OXYGEN / SCAVENGER PIPING DOWN IN CHASE BETWEEN TREATMENT TABLES. ROUTE PIPING INSIDE TABLE TO OUTLETS ON SIDE OF TABLE. SEE DETAIL #17 ON SHEET P2.0 FOR ADDITIONAL INFORMATION.

MEDICAL GAS (OXYGEN) PIPING CRITERIA (PROVIDE BID ALTERNATE)

PROVIDE HARD PIPING OF MEDICAL GASES (OXYGEN) CONFORMING TO THE FOLLOWING CRITERIA WITHIN BANFIELD:

2009 INTERNATIONAL FIRE CODE
MAXIMUM ALLOWABLE QUANTITY PER CONTROLLED AREA
TABLE 2703.1.1. FLAMMABLE GAS, CLOSED SYSTEM
ALLOWED: 1000 CUBIC FEET
PROVIDED: (2) 250 CUBIC FOOT TANKS = 500 CUBIC FEET TOTAL WHICH IS ALLOWABLE.

NFPA 99 STANDARDS (REQUIRED REFERENCE OF 2009 IFC)
LEVEL 3 PIPED GAS (OXYGEN)
INSTALLATION IS TO FOLLOW REQUIREMENTS OF NFPA 99, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

- OXYGEN CERTIFIED PLUMBERS TO BE USED TO INSTALL OXYGEN DISTRIBUTION SYSTEM.
- MINIMUM PIPE SIZES SHALL NOT BE LESS THAN 1/2" O.D. FOR MAINS AND BRANCH LINES.
- PIPING MATERIAL TO BE L OR K, SEAMLESS COPPER TUBE AS PER SECTION 5.3.1 TO 10.1.1, 4 & LABELED AS PER 1.2.10.1.1.5 OF NFPA 99.
- PIPES TO BE IDENTIFIED AT LEAST ONCE IN OR ABOVE EACH ROOM, AT A 20 FOOT MAXIMUM SPACING.
- PIPING TO BE SUPPORTED EVERY 6' HORIZONTALLY AND 15' VERTICALLY AS PER TABLE 5.3.1 TO 10.6.5 OF NFPA 99.
- TANKS IN SERVICE SHALL BE INDIVIDUALLY SECURED TO PREVENT FALLING, SECTION 5.3.3.3.1 OF NFPA 99.
- THE SYSTEM MUST BE TESTED IN ACCORDANCE WITH NFPA 99, SECTIONS 5.3.12.

SEE PLUMBING SHEETS FOR ADDITIONAL DESIGN AND REQUIREMENTS.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
---	W	DRAIN OR WASTE
---	V	VENT PIPING
---	CW	COLD WATER
---	HW	HOT WATER
---	HWR	HOT WATER RETURN
---	RWL	RAIN WATER LEADER
---	OXY	OXYGEN PIPING
---	S.O.V.	SHUT-OFF VALVE
---	C.V.	CHECK VALVE
---	VTR	VENT THRU ROOF
---	-	UNION
---	HB	HOSE BIBB W/ VACUUM BREAKER
---	F	FIRE SPRINKLER LINE
---	FD	FLOOR DRAIN
○	FCO	FLOOR CLEANOUT
○	GCO	GRADE CLEANOUT
	WCO	WALL CLEANOUT
	CIO	STORM PIPE CLEANOUT
---	CD	CONDENSATE DRAIN PIPING
○	R	GAS REGULATOR
○	BV	CALIBRATED BALANCING VALVE
---	G	GAS PIPING
---	XXX (E)	EXISTING PIPING (I.E. CW (E), G (E), W (E) ETC.)
	A.H.J.	AUTHORITY HAVING JURISDICTION
	F.D.C.	FIRE DEPARTMENT CONNECTION
	N.P.T.	NATIONAL PIPE THREAD
	N.S.T.	NATIONAL STANDARD THREADS
	N.T.S.	NOT TO SCALE
XX-X	XX-X	PLUMBING FIXTURE DESIGNATION
XXX X	XXX-X	HVAC EQUIPMENT DESIGNATION (FOR REFERENCE ONLY)
○	-	CONNECTION TO EXISTING PIPING
PW	-	PLUMBING KEYED NOTE

NOTE: NOT ALL PLUMBING SYMBOLS AND ABBREVIATIONS ARE NOT NECESSARILY USED IN THE PROJECT.



PLUMBING KEY NOTES
STORE NUMBER 2274
FREMAUX TOWN CENTER
SLIDELL, LOUISIANA



DATE:	APRIL 15, 2013
ISSUE:	ISSUE FOR PERMIT
NO:	

ROBERT M. LUCIUS, ARCHITECT
1200 Marshall St.
NE Minneapolis, MN 55413
612.677.7100
612.677.7499
www.rsgarch.com

DUNHAM
Dunham Associates, Inc.
50 South River Street, Suite 1100
Minneapolis, Minnesota 55402-1940
Phone: 612.682.2500 Fax: 612.682.7001
www.dunhamcorp.com
mechanical • electrical consulting engineering

Job No:
0413995-081

Scale: NONE
Drawn: ---
Checked: ---
Sheet No:
P0.1