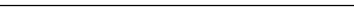
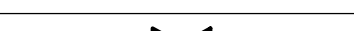
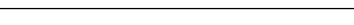
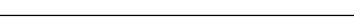


PLUMBING FIXTURE SCHEDULE											
FIXTURE DATA			CONNECTION					PLUMBING FIXTURE SPECIFICATION			
MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	CW	HW	TRAP				WASTE
BFP-1	BACKFLOW PREVENTER	FISH PREP	WILKINS	34-975XL-S	3/4"						3/4" BACKFLOW WITH Y STRAINER
AG-1	AIR GAP	FISH PREP	WILKINS	AG4							3/4" AIR GAP
	PRESSURE REDUCING VALVE	FISH PREP	WILKINS	34-400G							3/4" TAPPED AND ASSEMBLED REGULATOR 90-25 A GAUGE LEAD FREE
DBP-1	DOMESTIC WATER BOOSTER PUMP	RECEIVING	GRUNDFOS	CMBE COMPACT BOOSTER PUMP #CMBE 10-541-U-C-E-D-G 1200-240V 50/60H - 98548118	1 1/2"						BOOSTER PUMP ASSEMBLY PIPING CONNECTIONS TO THE 1 1/2" DOMESTIC WATER RISER SHALL INCLUDE A 1 1/2" QUARTER TURN BALL VALVE BY-PASS THE BOOSTER PUMP ASSEMBLY SHALL OPERATE AT 220-240V/PH AND SHALL BE FACTORY ASSEMBLED, WIRED AND TESTED PACKAGE PRESSURE BOOSTING SYSTEM. THE BOOSTER SYSTEM SHALL BE A FLUG FRAME MOUNTED PACKAGE CONSISTING OF A 2 HP 110/200-240V MOTOR, STAINLESS STEEL EN1 4301 AISI 304 PUMP HOUSING AND IMPELLER(2) AND PRE-PIPED 0.528 GALLON TANK. THE SYSTEM SHALL BE SHIPPED WITH ALL COMPONENTS, SOME ASSEMBLY MAY BE REQUIRED. FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTION FOR PROPER ASSEMBLY. 3/4"ELF MOUNTED ON THE WALL AT 6'-0" AFF. THE SYSTEM SHALL BE CSA/ULC LISTED. THE PUMP SHALL BE SIZED FOR 20 GPM WITH A 20 PSI BOOST. ELECTRICAL DESIGN IS BASED ON A SINGLE 240V, 1 PHASE, 2 HP PUMP. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF PUMP HORSEPOWER IS DIFFERENT
DWC-1	ELECTRIC WATER COOLER	HALL A	CASIS	CS84CSJLU-U	1/2"		1/8"/1/2"		2"	1 1/2"	TWO STATION 8-LEVEL WALL MOUNT WATER COOLER, BARRIER-FREE ACCESS FRONT ONLY, EASY TOUCH CONTROL, MOUNT WITH HIGHT UN, LEFT
EW-C-2	ELECTRIC WATER COOLER INSTALL KIT	HALL A	HJC	EW-C KIT							STOP, ESCUTCHONS, SS BRAIDED HOSE (LEAD FREE) W/ 1-1/4" CHROME P-TRAP w/CO
EW-C-3	ELECTRIC WATER COOLER CHECK VALVE	HALL A	WATTS	FLU7RLD-2							1/2" FEM / PkN DUAL CHECK VALVE (LEAD FREE)
ET-1	EXPANSION TANK	RECEIVING	ZURN	XT-35	3/4"						NON-ASME EXPANSION TANK, 9.0 GAL., INSTALL PER MANUFACTURER'S INSTRUCTIONS, FOR TWO TANK WATER SYSTEM.
FCO-1	FLOOR CLEANOUT	SEE LOCATIONS ON DRAWINGS	ZURN	ZH1400-4NH-HD							
FD-1	FLOOR DRAIN	RESTROOMS, RECEIVING	ZURN	ZH415 58-3NP			3"	3"	1 1/2"		3" CAST IRON BODY FLOOR DRAIN W/ 5" DIA. ADJUSTABLE NICKEL BRONZE STRAINER HEAD W/ 1/2" TRAP PRIMER TAP
FD-2	FLOOR DRAIN	RECEIVING	ZURN	Z650R-4NH-HP-VP			4"	4"	2"		4" CAST IRON BODY FLOOR DRAIN W/ 12" POLISHED NICKEL BRONZE TOP, HEEL-PROOF GRATE & VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER TAP 5"
HB-1	EXTERIOR HOSE BIB	EXTERIOR OF BUILDING	ZURN	Z1321-XL	3/4"						NON-FREEZE CERAMIC CONTROL W/ INTEGRAL VACUUM BREAKER (SEM RECESSED) FOR MINIMUM 10" WALL THICKNESS
HT-1	HAIR INTERCEPTOR	BATHING AREA	J.R. SMITH	8799				4"			HAIR INTERCEPTOR WITH YPPE TYPE COVERS, TO BE INSTALLED IN MAXIMUM 12" W/8" WALL WITH NON-SLIP FLOOR, EASTERER COVER
L-1	LAVATORY	WASHROOMS	ZURN	Z7344					2"	1 1/2"	W/HT VC 20x18 3H 4CC, WALL HUNG BARRIER FREE W/ FRONT OVERFLOW
LF-1	LAVATORY FAUCET	WASHROOMS	ZURN	Z8950D-XL	1/2"	1/2"					4" CC SLOW CLOSING METERING CHROME-PLATED BRASS FAUCET BODY.
LDT-1	ADA TRAP WRAP	WASHROOMS	HJC	LAV KIT (LEAD-FREE)							STOPS, ESTUCHEONS, SS BRAIDED SUPPLIES (LEAD-FREE), 1 1/4" CHROME P-TRAP w/ CO & 1 1/4" OPEN GRD STRAINER KIT
	LAVATORY CARRIER	WASHROOMS	ZURN	Z8945-1							PROTECTIVE COVER
		WASHROOMS	ZURN	Z1321 (EZ-D)							ZURN Z1231-EZD BACK-TO-BACK LAVATORY CARRIER OR Z1231 SINGLE LAVATORY CARRIER
MPS-1	MULTI-PURPOSE SINK	HOLDING #1, HOLDING #2, FISH EQUIPMENT	MUSTEE	15F			2"	2"	1 1/2"		SINGLE COMPARTMENT 19 GALLON SINK, ONE-PIECE MOLDED CONSTRUCTION, 3/4"H x 23"W x 23 1/2"D. ACCOMMODATES DUAL HANDLE FAUCET W/4" CENTER. HEAVY GAUGE STEEL LEGS WITH BUILT-IN LEVELERS. SECURE LEGS TO FLOOR.
MPSF-1	MULTI-PURPOSE SINK FAUCET	HOLDING #1, HOLDING #2, FISH EQUIPMENT	ZURN	Z812M-XL-SS1B	1/2"	1/2"					4" CC DECK MOUNT SERVICE SINK FAUCET (LEAD FREE)
MS-1	MOP SINK	RECEIVING	ZURN	Z1898-24				3"	1 1/2"		MOLDED HIGH DENSITY COMPOSITE BASIN 24"x24"x10" DEEP, 5" DRAIN. PROVIDE ZURN Z8945-1 PROTECTIVE COVERS, SINGLE LEVER SUPPLY.
		RECEIVING	ACORN	TULING FLANGE							TULING FLANGE FOR 24" MOP BASIN (2each/BASIN). FLANGES ADDED TO SINK BY CONTRACTOR ON SITE
MSF-1	MOP SINK FAUCET	RECEIVING	ZURN	Z843M1-XL	3/4"	3/4"					6" POLISHED CHROME WALL FAUCET
		RECEIVING	ZURN	Z1995-MH							24" STAINLESS STEEL MOP HANGER CW 3 RUBBER TOOL GRIPS FITTING W/ GRID STRAINER
MV-1	MIXING VALVE	RECEIVING	POWERS	LFM4M34-10	1 1/2"	1 1/2"					LEAD FREE POWERS THERMOSTATIC MIXING VALVE (LEAD-FREE), TOP INLET TOP OUTLET, SET AT 110°F, FOR TWO TANK WATER HEATER SYSTEM
P-1	BACKFLOW PREVENTER	RECEIVING	WATTS	LF919-QT	1 1/2"						REDUCED PRESSURE BACKFLOW PREVENTER ON MAIN INCOMING 1 1/2" LINE. QUARTER TURN VALVES, BRONZE STRAINER, LEAD-FREE CONSTRUCTION.
		RECEIVING	WATTS	LF777SI							STRAINER
		RECEIVING	WATTS	919AGF							AIR GAP
		RECEIVING	WATTS	919ELF							ELBOW
RD-1	ROOF DRAIN	ROOF	ZURN	Z101				6"			20" DIA. ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD AND LOW SILHOUETTE CAST IRON DOME. WITH UNDER DECK CLAMP ASSEMBLY, SLUMP DRAIN RECEIVER, METAL LOCKING DOME AND ADJUSTABLE EXTENSION SLEEVE
RH-1	ROOF HYDRANT	ROOF	WOODFORD	RH-MS	3/4"						RH-MS 1 FPT ROOF HYDRANT MNT SYS F/Non-Freeze Area
			WOODFORD	SRH	3/4"						SRH SAN MODEL ROOF HYDRANT
RP-1	RECIRCULATING PUMP	RECEIVING	BELL & GOSSETT	NBF-Z2U		3/4"					BRONZE BODY LUBRICATED CIRCULATORPUMP (80 WATTS), 115V, 16, 3000 RPM 23PM @ 12 F.O.W. CW 113201F UNION SET
		RECEIVING	BELL & GOSSETT	113201LF							3/4" 1/2 UNION SET LEAD-FREE
RPA-1	RECIRCULATING PUMP AJUSTAT	RECEIVING	BELL & GOSSETT	113224 AGS-3/4			3/4"				3/4" AJUSTAT
S-1	SINK	ADOPTIONS, ASSOCIATE RESOURCES	COMPONENT HARDWARE	CH1011FM			1 1/2"	2"	1 1/2"		20 GAUGE S.S. SINK, 19.5"x19"x5.5", 3 HOLE PUNCHING
SF-1	SINK FAUCET	ADOPTIONS, ASSOCIATE RESOURCES	ZURN	Z831C4-XL-2F	1/2"	1/2"					6" CC GOOSENECK DECK FAUCET W/ 4" BLADE HANDLES POLISHED CHROME (LEAD FREE)
		ADOPTIONS, ASSOCIATE RESOURCES	HJC	SS LAV KIT							STOPS, ESTUCHEONS, SS BRAIDED SUPPLIES (LEAD-FREE), 1 1/2" CHROME P-TRAP w/ CO KIT & ML102EZ NON-ADA LAV GUARD
		ADOPTIONS, ASSOCIATE RESOURCES	MAINLINE	MLB120AF							3/8" x 1/2" x 20" BRAIDED SUPPLY
		ADOPTIONS, ASSOCIATE RESOURCES	COMPONENT HARDWARE	FP1							SS SINK STRAINER E38-410541-CAN w/ 1 1/2" TAIL PIECE
		ADOPTIONS, ASSOCIATE RESOURCES	ZURN	Z8945-1							PROTECTIVE COVER
SST-1	WALL FAUCET	BATHING AREA	ZURN	Z843 L-1 10 YJ	3/4"	3/4"					POLISHED CHROME 8" WASH DOWN FAUCET CW VACUUM BREAKER SPOUT, INTEGRAL HOSE THREADED SPOUT, VANDAL RESISTANT COLOUR CODED LEVER HANDLES. REFER TO DETAIL ON DRAWING P2.0
		BATHING AREA	ZURN	700XL 3/4"							3/4" DUAL CHECK VALVE ON BOTH HOT & COLD WATER LINES
		BATHING AREA	ZURN	LF008-QT-FS							1/2" REDUCED PRESSURE ZONE ASSEMBLY MOUNTED DIRECTLY BELOW AND TIGHT TO BOTTOM OF FAUCETS AS REQUIRED BY LOCAL PLUMBING INSPECTOR.
TD-1	TRENCH DRAIN	BATHING/DRYING AREA	ZURN	Z888 HPP-GL-(2) E1-U4-JCDB			4"	4"	2"		7 LINEAR FEET EACH 6" WIDE PRE-SLOPED TRENCH DRAIN, W/ INTEGRAL TOP FRAME, INTERLOCKING ENDS & RAISED BOTTOM, PM888HPP HEEL-PROOF POLYETHYLENE GRATE, U4 BOTTOM OUTLET (1 PER TD) AND END CAP (2 PER TD), ZURN PB-DB BOTTOM DOME STRAINER, PPP PTP PRIMER ADAPTR PPPA-4P500 4"x1/2"
TD-2	TRENCH DRAIN	FISH EQUIPMENT	ZURN	Z880 (2)E1 U3 SPECIAL			3"	3"	2"		FOOT TRENCH (1 SECTION 800X) 10" WITH REBAR CLIPS @ CENTER WITHOUT GRATE. 6"x10"x8"DEEP. GRATE TO BE FLUSHED WITH FINISHED FLOOR, NO-LIP.
TG-1	THERMOMETER	RECEIVING	MILCOO	B259051-2W							2.5" DIA. THERMOMETER 30 DEGREES-250 DEGREES
TP-1	TRAP PRIMER	SEE LOCATIONS ON DRAWINGS	PRECISION PLUMBING PRODUCTS (PPP)	P1-500 WITH TAPPED P-TRAP ADAPTER	1/2"						TRAP PRIMER VALVE WITH INTEGRAL BACKFLOW PREVENTER & VACUUM BREAKER PORT PROVIDE DISTRIBUTION UNIT AS REQUIRED. ROUTE 1/2" PEX POLYETHYLENE TUBING DOWN IN WALL AND BELOW SLAB TO P-TRAP. SEE DETAIL ON P2.0. INCLUDE TAPPED P-TRAP ADAPTER, PPP UNUSED DISTRIBUTION PORTS.
TPD-1	TRAP PRIMER DISTRIBUTION	SEE LOCATIONS ON DRAWINGS	PPP	DU-U							DISTRIBUTION UNIT
U-1	URINAL	MENS RESTROOM	ZURN	Z5755-U	3/4"			2"	2"		WHITE VITREOUS CHINE, TOP SPUD VC URINAL, 125 GPF
UF-1	URINAL FLUSH VALVE	MENS RESTROOM	ZURN	Z6003WS1YB							URINAL FLUSH-VALVE
WB-1	ICE BOX MAKER OUTLET BOX	ASSOCIATE RESOURCES	SIOUX CHIEF	686-1019MF	1/2"						1/2" INSWT/WSY ASS ON BOX TOILET DISHWASHER OUTLET BOX WITH MIN. RESTER AND LEAD FREE FRAME.
WBC-1	ICE BOX MAKER OUTLET BOX CHECK VALVE	ASSOCIATE RESOURCES	WATTS	LF7RLD-2							1/2" DUAL CHECK VALVE ON SUPPLY LINE (LEAD-FREE)
WC-1	WATER CLOSET	WASHROOMS	AMERICAN STANDARD	CADET 3483.001.020	1/2"		3"	2"			FLOOR MOUNTED VITREOUS CHINA LOW CONSUMPTION 1.1 GPF PRESSURE ASSIST, SIF-ON-JET FLUSH ACTION, RIGHT HEIGHT ELONGATED WATER CLOSET, 12" ROUGH-IN
		WASHROOMS	AMERICAN STANDARD	4142.601.020							1.1 GPF LEFT-HAND TRIP LEVER - TAN w/ VANDAL-PROOF LOCKING LID
		WASHROOMS	AMERICAN STANDARD	4142.601.020							1.1 GPF RIGHT-HAND TRIP LEVER - TAN w/ VANDAL-PROOF LOCKING LID
		WASHROOMS	CENTOCO	8305TS							HEAVY-DUTY WHITE ELONGATED OPEN-FRONT w/COVER PLASTIC TOILET SEAT
		WASHROOMS	JONES	CLOSET PAK							WAX RING w/ HORN, CLOSET BOLT SET
WH-1	WATER HEATER	RECEIVING	R-HEEM	E650C-12, 900V/312KW	1 1/2"					50	WATER HEATER(S) SHALL BE MODEL E650C-12-G, MANUFACTURED BY RHEEM-RUUD, HAVING ELECTRICAL INPUT OF 575V/30/12 KW AND A RECOVERY RATE OF 50 GPH @28°C TEMPERATURE RISE. WATER HEATER(S) SHALL HAVE A STORAGE CAPACITY OF 50 GALLONS. WATER HEATER(S) SHALL HAVE THE CSA SEAL OF CERTIFICATION AND BE FACTORY EQUIPPED WITH AN CSA/ASME RATED TEMPERATURE AND PRESSURE RELIEF. TANK(S) SHALL HAVE A DOUBLE COATING OF HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH MAGNESIUM ANODE RODS RIGIDLY SUPPORTED. WATER HEATER(S) SHALL MEET OR EXCEED THE STANDEY LOSS REQUIREMENTS OF ASHRAE. TANK(S) SHALL HAVE A WORKING PRESSURE OF 150 PSI, AND SHALL BE COMPLETELY ASSEMBLED. WATER HEATER(S) SHALL BE EQUIPPED WITH STAINLESS STEEL SCREW-IN TYPE ELEMENTS. TANK SHALL BE INSULATED WITH THICK POLYURETHANE FOAM INSULATION. WATER HEATER(S) SHALL BE CONSTRUCTED WITH A SYSTEM SENTINEL ELEMENT DIAGNOSTIC PANEL UTILIZING LIGHT EMITTING DIODES. EACH LED WILL CORRESPOND TO THE NUMBER AND LOCATION OF THE HEATING ELEMENTS AND MONITOR THEIR ON-OFF FUNCTION. WATER HEATER(S) SHALL BE PROVIDED WITH MAGNETIC CONTACTORS, 240V CONTROL, CIRCUIT TRANSFORMER AND IMMERSION THERMOSTAT(S) WITH MANUAL RESET HIGH LIMIT CONTROL. 1 1/2" INLET AND OUTLET WATER CONNECTIONS FOR 50" THROUGH 120 GALLON MODELS SHALL BE PROVIDED. WATER HEATER(S) SHALL BE COVERED BY A THREE YEAR LIMITED WARRANTY AGAINST TANK LEAKS.
WHV-1	WATER HEATER VACUUM RELIEF	RECEIVING	WATTS	LFV38-M1							LEAD FREE VACUUM RELIEF VALVE
WH-2	WATER HEATER	RECEIVING	R-HEEM	E650C-12, 900V/312KW	1 1/2"					50	WATER HEATER(S) SHALL BE MODEL E650C-12-G, MANUFACTURED BY RHEEM-RUUD, HAVING ELECTRICAL INPUT OF 575V/30/12 KW AND A RECOVERY RATE OF 50 GPH @28°C TEMPERATURE RISE. WATER HEATER(S) SHALL HAVE A STORAGE CAPACITY OF 50 GALLONS. WATER HEATER(S) SHALL HAVE THE CSA SEAL OF CERTIFICATION AND BE FACTORY EQUIPPED WITH AN CSA/ASME RATED TEMPERATURE AND PRESSURE RELIEF. TANK(S) SHALL HAVE A DOUBLE COATING OF HIGH TEMPERATURE PORCELAIN ENAMEL AND FURNISHED WITH MAGNESIUM ANODE RODS RIGIDLY SUPPORTED. WATER HEATER(S) SHALL MEET OR EXCEED THE STANDEY LOSS REQUIREMENTS OF ASHRAE. TANK(S) SHALL HAVE A WORKING PRESSURE OF 150 PSI, AND SHALL BE COMPLETELY ASSEMBLED. WATER HEATER(S) SHALL BE EQUIPPED WITH STAINLESS STEEL SCREW-IN TYPE ELEMENTS. TANK SHALL BE INSULATED WITH THICK POLYURETHANE FOAM INSULATION. WATER HEATER(S) SHALL BE CONSTRUCTED WITH A SYSTEM SENTINEL ELEMENT DIAGNOSTIC PANEL UTILIZING LIGHT EMITTING DIODES. EACH LED WILL CORRESPOND TO THE NUMBER AND LOCATION OF THE HEATING ELEMENTS AND MONITOR THEIR ON-OFF FUNCTION. WATER HEATER(S) SHALL BE PROVIDED WITH MAGNETIC CONTACTORS, 240V CONTROL, CIRCUIT TRANSFORMER AND IMMERSION THERMOSTAT(S) WITH MANUAL RESET HIGH LIMIT CONTROL. 1 1/2" INLET AND OUTLET WATER CONNECTIONS FOR 50" THROUGH 120 GALLON MODELS SHALL BE PROVIDED. WATER HEATER(S) SHALL BE COVERED BY A THREE YEAR LIMITED WARRANTY AGAINST TANK LEAKS.
WHV-2	WATER HEATER VACUUM RELIEF	RECEIVING	WATTS	LFV38-M1							LEAD FREE VACUUM RELIEF VALVE

PLUMBING LEGEND:		
SYMBOL	ABBREVIATION	DESCRIPTION
	SAN	SANITARY PIPING (BELOW GRADE)
	SAN	SANITARY PIPING (ABOVE GRADE)
	V	VENT PIPING
	STM	STORM PIPING (ABOVE GRADE)
	STM	STORM PIPING (BELOW GRADE)
	DCW	COLD WATER
	DHW	HOT WATER
	HWR	HOT WATER RETURN
	S.O.V.	SHUT-OFF VALVE
	C.V.	CHECK VALVE
	FW	FILTERED COLD WATER
	VTR	VENT THRU ROOF
	—	UNION
	HB	HOSE BIBB W/ VACUUM BREAKER
	F	FIRE SPRINKLER LINE
	FD	FLOOR DRAIN
	RD	ROOF DRAIN
	FCO	FLOOR CLEANOUT
	SCO	SURFACE CLEANOUT
	LCO	LINE CLEANOUT
	CD	CONDENSATE DRAIN PIPING
	R	GAS REGULATOR
	—	CALIBRATED BALANCING VALVE
	—	GAS SHUT-OFF/COCK VALVE (AT RTU)
	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.S.	NATIONAL PIPE SIZE
	N.T.S.	NOT TO SCALE
	XX-X	PLUMBING FIXTURE DESIGNATION
	XXX-X	HVAC EQUIPMENT DESIGNATION (FOR REFERENCE ONLY)
	—	CONNECTION TO EXISTING PIPING
	—	PLUMBING KEYED NOTE

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

NOTE:
TRADE MUST USE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS.

PLUMBING GENERAL NOTES (FOR ALL PLUMBING SHEETS)

A. THIS PROJECT WAS DESIGNED UNDER THE 2012 ONTARIO BUILDING CODE AND ALL APPLICABLE LOCAL AMENDMENTS.

B. PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

C. UTILITIES NOTES:

C.a. CONTRACTOR SHALL VERIFY POINT OF CONNECTION TO SITE UTILITY SERVICE PRIOR TO STARTING ANY NEW WORK.

C.b. CONTRACTOR SHALL ADJUST LOCATION AND DEPTH OF SITE SERVICES AS REQUIRED TO PETSMART UTILITY LOCATIONS.

C.c. CONTRACTOR SHALL MAKE FINAL CONNECTION TO SITE UTILITY SERVICES UNLESS OTHER PROVISIONS HAVE BEEN MADE.

C.d. CONTRACTOR'S FAILURE TO PROPERLY COORDINATE SERVICES SHALL NOT BE A JUSTIFICATION FOR ANY EXTRA CHARGES.

D. ALL FLOOR CLEANOUTS AT MAIN SALES FLOOR ARE TO BE LOCATED A MAXIMUM OF 4" FROM FACE OF PALLET RACKS BUT NOT BENEATH – SEE FIXTURE PLAN F.10 FOR COORDINATION WITH RACKING.

E. **ALL FIRE AND DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CHORD OF JOIST NOT ORDERS-NO EXCEPTIONS THROUGHOUT THE STORE WHERE CEILING DOGS NOT FAST.** ALL PLUMBING FIXTURES SHALL HAVE A **SHUT-OFF VALVE AT ALL SUPPLY MAINS AND ALL BRANCH SHUT-OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12" ABOVE CEILING TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE ACCESS PANELS AS NEEDED.**

F. COORDINATE WATER LINES WITH ELECTRICAL CONTRACTOR, PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS, EQUIPMENT OR CLEAR WORKING SPACE.

G. PLUMBING CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. INSTALL A CLEANOUT 12" AFF AS SHOWN ON PLAN (SHOWN AT 4" FOR CLARITY ONLY). SHALL BE FLUSH TO THE SURFACE OF WALL. WASTE/VENT, HOT AND COLD WATER ROUGH-INS TO BE CENTERED UNDER SINK SIDE BY SIDE (EXCEPT WHERE IT IS IMPOSSIBLE PER SITE CONDITIONS AND MENTIONED IN KEVED NOTES) SHALL BE FLUSH. CHECK WITH ADVANCED TECHNIQUE INCORPORATED BEFORE INSTALLING CLEANOUT, LOWER CLEANOUT IF REQUIRED TO AVOID CONFLICT. **NO CLEANOUTS ALLOWED IN FLOOR, WALL OR CEILING TILE.**

H. ALL FAUCETS SHALL RECEIVE PLASTIC SLEEVES/INSERT TO ALLOW FAUCET SWIVEL.

I. PRIOR TO SUBMITTING THE BID, PLUMBING CONTRACTOR SHALL VERIFY WITH LOCAL CODE OFFICIAL THAT PE PIPING IS APPROVED FOR WATER DISTRIBUTION SYSTEMS. IF PE PIPING IS APPROVED, ALL WATER PIPING 2" AND SMALLER SHALL BE PE 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.**

J. REFER TO SCHEMATIC WATER AND WASTE DIAGRAMS ON SHEET P.3.0 FOR ALL PIPE SIZE INFORMATION.

K. PLUMBING CONTRACTOR SHALL FLUSH ALL SANITARY LINES AT THE END OF THE PROJECT AND VERIFY ALL LINES AND PROVIDE FINAL VIDEO TO PETSMART CO. AT TURNOVER.

L. IF STATIC PRESSURE IS BELOW 60 PSI, AN ALTERNATE BOOSTER PUMP BID IS REQUIRED. IF STATIC WATER PRESSURE IS APPROVED TO PSI A PRESSURE REDUCING VALVE IS REQUIRED AND SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE BACKFLOW PREVENTER ON THE INCOMING BUILDING SERVICE LINE. PRESSURE IS TO BE MEASURED AT THE ENTRY POINT TO PETSMART RECEIVING AREA.

M. ALL PEX ROUGH-IN STUDS THROUGH WALL SHALL TRANSITION TO COPPER AT WALL PENETRATION AND SHALL CONTINUE TO TUBING AS CORRESPONDING.

N. EXPOSED PIPING AND SHUT-OFF VALVES ON WALLS IN BATHING AREA SHALL BE COPPER AND UN-INSULATED UP TO CEILING.

O. ALL PIPING, FITTINGS AND VALVES FOR WATER HEATERS CONNECTIONS SHALL BE COPPER.

P. ALL FIXTURES SHALL HAVE A BALL VALVE SHUTOFF AT THE FIXTURE CONNECTION.

Q. UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM PIPELINE SHALL NOT BE ALLOWED. CONTRACTOR SHALL INSTALL WASTE AND VENT PIPING AS REQUIRED PER APPLICABLE CODES. REFER TO DETAIL ON DETAILS SHEET P.2.0 FOR MORE INFORMATION.

R. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THROUGH ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

S. ALL SINK P-TRAPS TO BE SUPPLIED WITH CLEANOUT PLUG.

T. ALL PIPING IN AREAS WITH NO CEILINGS/OPEN TO CEILING, CEILING TYPE C1 AND C6 SHALL BE HUNG NO LOWER THAN 6" BELOW THE ROOF DECK TO THE TOP OF THE PIPING INSULATION.

U. CONSTRUCTION TRADES MUST USE THE ARCHITECTURAL PLANS FOR WORK INSTALLATION. THIS INCLUDES ALL APPLICABLE DETAILS, REFLECTED CEILING PLANS, AND INTERIOR ELEVATIONS.

V. INSULATE HOT AND COLD LINES IN WALL AND CEILING.

[illegible]