PLUMBING LEGEND (NOT ALL SYMBOLS LISTED BELOW ARE BEING USED IN THIS SET OF PLUMBING DRAWINGS)



METER MECHANICAL/PLUMBING/ SPRINKLER/ELECTRICAL COORDINATION REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT AS INDICATED ON THE DIVISION 21, 22, AND 23 DRAWINGS, THE DIVISION 21, 22 AND 23 CONTRACTORS SHALL COORDINATE WITH DIVISION 26 CONTRACTOR TO CONNECT ALL MECHANICAL AND PLUMBING EQUIPMENT INDICATED ON THE MECHANICAL AND PLUMBING DRAWINGS. COORDINATE FOR COMPLETE WIRING, STARTERS, AND DISCONNECTING MEANS FOR

ALL MECHANICAL AND PLUMBING EQUIPMENT.

GS		١	VALVES
SCRIPTION	SYMBOL	ABBR	DESCRIPTION
ION JOINT		DV	DRAIN VALVE W/ HOSE END CONN.
		CV	CHECK VALVE W/ INDICATION OF FLOW DIRECTION
DMETER MOWELL		PRV	PRESSURE REDUCING VALVE
т		SV	SOLENOID VALVE
E PIPE CONNECTOR	FC	FCV	AUTO FLOW CONTROL VALVE W/ TEST PORTS
WITCH		CS,BV	CIRCUIT SETTER OR BALANCING VALVE
RE SWITCH		GLV	GLOBE VALVE (STRAIGHT PATTERN)
RE GAUGE W/GAUGE		GLV	GLOBE VALVE (ANGLE PATTERN)
UP]	BFV	BUTTERFLY VALVE
DOWN	-0-	BV	BALL VALVE
WN		TCV	THERMOSTATIC MIXING VALVE, 2-WAY
P OR PLUG		TCV	THERMOSTATIC MIXING VALVE, 3-WAY
DUT PLUG	(PLAN) (ELEV)	TPR	TEMPERATURE/ PRESSURE RELIEF VALVE
BB, WALL HYDRANT	$\bigcirc \rightarrow$		VALVE IN RISER
/ BREAKER		STR	STRAINER W/ BLOW-OFF & CAPPED HOSE-END CONNECTION
ARRESTOR W/BALL	\bowtie	GV	GATE VALVE
DRAIN		OS&Y	OUTSIDE STEM AND YOKE

CR CONCENTRIC REDUCER

GENERAL PLUMBING CONTRACT REQUIREMENTS: <u>GENERAL:</u>

- . UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC, FIRE PROTECTION AND PLUMBING SYSTEMS. CONTRACTOR SHALL FURNISH THESE EVEN IF ITEMS REQUIRED TO ACHIEVE THIS (I.E. OFFSETS, ISOLATION AND BALANCING DEVICES, MAINTENANCE CLEARANCES, ETC.) ARE NOT SPECIFICALLY SHOWN.
- 2. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS OF THE JOB.
- 3. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SHALL NOT BE SCALED. THEY SHOW CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE DIVISION 23 WORK AND ITS INTERFACE WITH OTHER WORK. ESTABLISHING THIS RELATIONSHIP IN THE FIELD IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. THIS DIVISION SHALL COORDINATE ITS WORK WITH ALL DIVISIONS OF THE WORK AND ADJUST ITS WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT.
- A. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT. NO EXTRAS WILL BE ALLOWED DUE TO LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
- B. CERTAIN SYSTEMS REQUIRE ENGINEERING OF INSTALLATION DETAILS BY CONTRACTOR. UNLESS FULLY DETAILED IN THE CONTRACT DOCUMENTS. SUCH ENGINEERING IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.
- C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHERE CLEARANCES ARE LIMITED, AND WHERE INSTALLATION DRAWINGS OR SCHEMATICS. "CONSTRUCTION DRAWINGS", OR COORDINATION DRAWINGS MAY BE REQUIRED IN ACCORDANCE WITH, OR IN EXCESS OF, THOSE REQUIRED BY THE SPECIFICATIONS. THE CONTRACTOR SHALL PREPARE ALL SUCH COORDINATION DRAWINGS AS PART OF THE BASE CONTRACT.
- 4. THESE NOTES ONLY SUPPLEMENT, AND DO NOT REPLACE, THE SPECIFICATIONS.
- 5. DEFINITIONS AND TERMINOLOGY
- A. THE DEFINITIONS OF DIVISION 1 AND THE GENERAL CONDITIONS OF THIS SPECIFICATION ALSO APPLY TO THE DIVISION 23 CONTRACT DOCUMENTS.
- B. "CONTRACT DOCUMENTS" CONSTITUTE THE DRAWINGS, SPECIFICATIONS, GENERAL CONDITIONS, PROJECT MANUALS, ETC., PREPARED BY ENGINEER (OR OTHER DESIGN PROFESSIONAL IN ASSOCIATION WITH ENGINEER) FOR CONTRACTOR'S BID OR CONTRACTOR'S NEGOTIATIONS WITH THE OWNER. THE DIVISION 23 DRAWINGS AND SPECIFICATIONS PREPARED BY THE ENGINEER ARE NOT CONSTRUCTION DOCUMENTS.
- C. "CONSTRUCTION DOCUMENTS", "CONSTRUCTION DRAWINGS", AND SIMILAR TERMS FOR DIVISION 23 WORK REFER TO INSTALLATION DIAGRAMS. SHOP DRAWINGS AND COORDINATION DRAWINGS PREPARED BY THE CONTRACTOR USING THE DESIGN INTENT INDICATED ON THE ENGINEER'S CONTRACT DOCUMENTS. THESE SPECIFICATIONS DETAIL THE CONTRACTOR'S RESPONSIBILITY FOR "ENGINEERING BY CONTRACTOR" AND FOR PREPARATION OF CONSTRUCTION DOCUMENTS.
- D. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.
- E. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".
- F. "PROVIDE" MEANS TO "FURNISH AND INSTALL". G. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS." SIGNIFICANT ASPECTS SHALL BE AS
- DETERMINED BY THE ARCHITECT/ENGINEER. H. "WORK BY OTHER(S) DIVISIONS"; "RE: XX DIVISION", AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN HIS/HER SUPPLIERS, SUBCONTRACTORS AND EMPLOYEES. IF
- CLARIFICATION IS REQUIRED, CONSULT ARCHITECT/ENGINEER BEFORE SUBMITTING BID. BY INFERENCE, ANY REFERENCE TO A "CONTRACTOR" OR "SUB-CONTRACTOR" MEANS THE ENTITY WHICH HAS CONTRACTED WITH THE OWNER FOR THE WORK OF THE
- CONTRACT DOCUMENTS. J. "ENGINEER" MEANS THE DESIGN PROFESSIONAL FIRM WHICH HAS PREPARED THESE CONTRACT DOCUMENTS. ALL QUESTIONS, SUBMITTALS, ETC. OF THIS DIVISION SHALL BE ROUTED THROUGH THE ARCHITECT TO THE ENGINEER (THROUGH PROPER CONTRACTUAL

GENERAL PLUMBING NOTES:

CHANNELS).

- 1. ALL DRAIN GRATES, CLEANOUT COVERS, AND OTHER FINISHED-EXPOSED COMPONENTS SHALL BE PROTECTED FROM DAMAGE. DAMAGED COMPONENTS SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
- 2. COORDINATE ROUTING OF ALL PLUMBING PIPING WITH STRUCTURAL BEAMS, COLUMNS, ETC. ALLOW FOR REROUTING OF PIPING AS REQUIRED.
- 3. PIPING ROUTING ON DRAWINGS IS GENERALLY DIAGRAMMATIC WITH EFFORTS DURING DESIGN TO AVOID STRUCTURAL CONFLICTS. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING THROUGH BUILDING WITH STRUCTURAL CONDITIONS. CONTRACTOR COORDINATION DRAWINGS SHALL REFLECT ALL PIPE ROUTING AND PIPING THAT MAY HAVE TO BE SHIFTED AND/OR MOVED TO AVOID CONFLICTS. SHIFTED OR MOVED PIPING SHALL REFLECT NO ADDITIONAL COST TO THE PROJECT.
- 4. ALL REQUIRED OPENINGS IN STEEL BEAMS AND STRUCTURAL WALLS ARE TO BE ACCOMPLISHED USING SLEEVES/PENETRATIONS PROPERLY SIZED FOR THE PIPE THEY SERVE. ALL BEAM PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CORE DRILLING IN PANS IS ALLOWED UPON PRIOR APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.
- 5. ALL HORIZONTAL SANITARY PIPING 3" AND SMALLER WHETHER BELOW OR ABOVE GRADE SHALL SLOPE AT 1/4"/FT. SLOPE. ALL PIPING 4" AND LARGER SHALL SLOPE AT 1/8"/FT. SLOPE UNLESS OTHERWISE NOTED. ALL STORM AND OVERFLOW PIPING SHALL SLOPE AT 1/8"/FT. SLOPE UNLESS OTHERWISE NOTED. ALL GREASE WASTE PIPING SHALL SLOPE AT 1/4"/FT.
- 6. IN GENERAL THE POINT OF CONNECTION FOR SANITARY AND STORM PIPE IS AT 5 FEET OUTSIDE OF BUILDING FOOTPRINT. CONFORM WORK TO MEET INVERT.
- 7. CAP ALL SANITARY AND STORM TEES FOR FUTURE BRANCH PIPING AND STAKE LOCATION OF PIPING FOR CONNECTION TO FUTURE BRANCH LINES.



DOOR AS REQUIRED.

16. ALL TEMPERING VALVES TO BE SET FOR 110 DEGREE WATER

PITS.

FOOD SERVICE:

ELECTRICAL COORDINATION:

CONDITIONS AND ALTITUDE.

SUCH POWER.

- INSTALLATION: 1. SUSPEND EACH TRADE'S WORK SEPARATELY FROM THE STRUCTURE. DUCTWORK SHALL BE HELD TIGHT TO STRUCTURE EXCEPT WHERE OTHERWISE SHOWN.
- 2. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

- PROPERTY WHICH IS TO REMAIN UNDISTURBED.



- 7. PLUMBING CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONCRETE EQUIPMENT PAD DIMENSIONS, BASED ON THE FINAL EQUIPMENT SELECTION, TO THE STRUCTURAL AND GENERAL CONTRACTOR FOR INCLUSION IN THOSE CONTRACTOR'S WORK AS DESCRIBED BY THE GENERAL CONTRACTOR.

- 8. ALL PIPING TO BE INSTALLED IN CONCEALED AREAS, IF NOT POSSIBLE PIPING TO BE PERPENDICULAR AND PARALLEL TIGHT TO STRUCTURE. INSTALL WITHIN WEBBING OF STEEL. REFER TO ARCH. DRAWINGS FOR AREAS WHICH NO PIPING CAN BE INSTALLED, "NO FLY ZONES" OR RESTRICTED AREAS. ALL SHOP DRAWINGS AND COORDINATION DRAWINGS MUST BE SUBMITTED TO OWNER FOR APPROVAL BEFORE INSTALLATION.
- SHALL BE PIPE SIZE OR MAXIMUM 6" FOR LARGER PIPE. IN ADDITION TO THE CLEANOUT LOCATIONS SHOWN ON DRAWINGS, CLEANOUTS SHALL BE PROVIDED PROVIDED IN ACCORDANCE WITH THE LOCAL GOVERNING CODE. ADDITIONAL CLEANOUTS SHALL BE PROVIDED AS FOLLOWS;
- A. EACH RUN OF PIPING WHICH IS MORE THAN 75 FEET IN LENGTH OR FRACTION THEREOF B. HORIZONTAL LINES 5 FEET OR MORE
- HORIZONTAL LINES FOR EACH AGGREGATE CHANGE OF **DIRECTION EXCEEDING 45 DEGREES** D. AT THE BASE OF ALL SANITARY AND STORM RISERS. ALL VERTICAL CLEANOUTS SHALL BE SIZED TO ACCOMMODATE THE LARGEST PIPE ON THAT BRANCH LINE, BUT NEVER LARGER THAN 4". ALL GREASE WASTE PIPING SHALL HAVE CLEANOUTS EVERY 50 FEET OR FRACTIONS THEREOF AND AS NOTED ABOVE. ALL
- 10. PROVIDE ISOLATION VALVES ON ALL PIPING SERVING HOSE
- 11. ALL FLOOR DRAINS IN BUILDING, EXCEPT DRAINS IN SHOWERS, SHOWER AREA. AND KITCHEN/ CONCESSION WET AREAS SHALL BE INSTALLED WITH PRIMER TAP AND A 1/2" CW LINE ROUTED FROM FLOOR DRAIN PRIMER TAP AND STUBBED UP AT PLUMBING CHASES +12"AFF FOR CONNECTION TO TRAP PRIMER UNIT.COLD WATER (CW) PIPING IN OR BELOW FLOOR SLAB SHALL BE WRAPPED WITH POLYWRAP OR APPROVED EQUAL MATERIAL TO PROVIDE PROTECTION TO PIPING. ALL PIPING SHALL BE ONE PIECE FROM PRIMER TAP TO STUB UP.
- 12. ALL DOMESTIC WATER PIPING SERVING TOILET/RESTROOM GROUPS SHALL BE INSTALLED WITH ISOLATION VALVES IN ORDER TO ISOLATE THESE AREAS WITHOUT CLOSING DOWN ANY OTHER PORTION OF THE BUILDING WATER SUPPLY SYSTEMS. ALL ISOLATION VALVES SHALL BE ACCESSIBLE WITH ACCESS PANELS. MINIMUM ACCESS PANEL SIZE SHALL BE 12"X12". ACCESS PANELS SHALL BE OF THE SAME RATING AS THE STRUCTURAL ELEMENT IN WHICH THEY ARE INSTALLED.
- 13. EXTEND NEAREST DOMESTIC HOT WATER CIRCULATOR BRANCH TO EACH PUBLIC LAVATORY SINK. CIRCULATOR PIPE SHALL BE INSTALLED SO THAT THERE IS NO MORE THAN 2 FEET BETWEEN THE DOMESTIC HOT WATER CIRCULATED PIPE AND THE SINK ISOLATION VALVE STOP. INSTALL CIRCULATOR CONNECTION TRIM (TWO ISOLATION VALVES, CHECK VALVE, AND CIRCUIT SETTER) IN A SERVICE ABLE LOCATION. PROVIDE ACCESS
- 14. ALL EQUIPMENT AND PIPING SHALL BE BRACED FOR SEISMIC REQUIREMENTS APPLICABLE FOR SEISMIC ZONE REQUIREMENTS FOR THIS PROJECT.
- 15. PROVIDE DIELECTRIC FITTINGS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS AND AS SHOWN ON DRAWINGS.
- TEMPERATURE MAXIMUM UNLESS OTHERWISE NOTED.
- 17. PROVIDE A DRAIN ROUTED THROUGH AN OIL INTERCEPTOR IAW NYC CODE TO SERVE ALL NEW ESCALATOR AND ELEVATOR
- 1. REFER TO THE FOOD SERVICE DRAWING FOR ALL FLOOR SINK GRATE OPENINGS AND ORIENTATION. 2. CONTRACTOR TO PROVIDE CONDENSATE LINE FROM COOLER
- AND FREEZER CONDENSER UNITS TO FLOOR SINK WITH AIR GAP. ALL CONDENSATE LINES FROM FREEZER CONDENSERS TO BE HEAT TRACED AND INSULATED.
- 3. CONTRACTOR SHALL EXTEND ALL DRAINS FROM FOOD SERVICE EQUIPMENT TO NEAREST FLOOR SINK. PROVIDE THE NECESSARY AIR GAP AT ALL DRAIN LOCATIONS.
- 1. VERIFY THE ELECTRICAL SERVICE PROVIDED BY THE ELECTRICAL CONTRACTOR BEFORE ORDERING ANY PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
- 2. PROVIDE PREMIUM EFFICIENCY MOTORS (NEMA STANDARD MG1-2003, TABLES 12-12 AND 12-13) WITH 1.15 SERVICE FACTOR ON ALL EQUIPMENT, MOTORS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT 105°F UNDER JOBSITE
- UNLESS NOTED OTHERWISE, ALL PLUMBING EQUIPMENT SHALL BE PROVIDED WITH HOA SWITCH AND STARTER COMPATIBLE WITH EQUIPMENT AND BMS SYSTEM. STARTERS SHALL BE PROVIDED BY DIVISION 22 UNLESS IN A MOTOR CONTROL CENTER. ALL DISCONNECTS SHALL BE FURNISHED BY DIVISION
- THE ELECTRICAL POWER FOR CERTAIN EQUIPMENT PROVIDED UNDER DIVISION 22 HAS NOT BEEN SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS AND MUST BE PROVIDED BY AND FIELD COORDINATED BY THE DIVISION 22 TRADE REQUIRING
- PROVIDE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE AROUND ALL EQUIPMENT REQUIRING SAME.
- 4. PROVIDE FOR SAFE CONDUCT OF THE WORK, CAREFUL REMOVAL AND DISPOSAL OF MATERIALS AND PROTECTION OF
- 5. PROVIDE ACCESS DOORS FOR ALL EQUIPMENT, VALVES, CLEANOUTS, ACTUATORS AND CONTROLS WHICH REQUIRE ACCESS FOR ADJUSTMENT OR SERVICING AND WHICH ARE LOCATED IN OTHERWISE INACCESSIBLE LOCATIONS.
- A. FOR EQUIPMENT LOCATED IN "ACCESSIBLE LOCATIONS" SUCH AS LAY-IN CEILINGS: LOCATE EQUIPMENT TO PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REMOVING ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS SUCH AS THE CEILING SUPPORT SYSTEM, ELECTRICAL FIXTURES, ETC. "NORMAL MAINTENANCE" INCLUDES, BUT IS NOT LIMITED TO:FILTER CHANGING: GREASING OF BEARINGS: USING P/T PORTS FOR PRESSURE OR TEMPERATURE MEASUREMENTS; SERVICING CONTROL VALVES AND
- 6. ISOLATE ALL PRESSURIZED PIPE (DOMESTIC COLD WATER, DOMESTIC HOT WATER, MEDICAL GASES, ETC.) EACH RISER, BRANCH, PIECE OF EQUIPMENT, AND AREA SERVED
- 8. UNDER THE BASE CONTRACT, THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY TO SPLIT EQUIPMENT INTO MULTIPLE PIECES TO FACILITATE RIGGING TO FINAL INSTALLED LOCATION. CONTRACTOR SHALL REASSEMBLE THE EQUIPMENT AND TEST TO CONFIRM PROPER OPERATION AND MAINTAIN ALL THE MANUFACTURERS WARRANTEES.

- 9. WARRANTY: AT A MINIMUM, THE ENTIRE PLUMBING SYSTEM SHALL BE WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE SYSTEM BY THE OWNER. REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOR SPECIFIC WARRANTY REQUIREMENTS.
- PIPE INSTALLATION:

LEAKS AND RETEST.

- 1. ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE TO PREVENT SAGGING, POCKETING, SWAYING OR DISPLACEMENT BY MEANS OF HANGERS AND SUPPORTS. PIPING IS NOT TO BE SUPPORTED BY EQUIPMENT
- 2. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS 3. PROVIDE MANUAL AIR VENTS AND CAPPED HOSE-END DRAINS
- WITH ISOLATION VALVES AT PIPING HIGH AND LOW POINTS.
- 4. FLUSH OUT PIPING AND REMOVE CONTROL DEVICES BEFORE PERFORMING PRESSURE TEST. DO NOT USE PIPING SYSTEM VALVES TO ISOLATE SECTIONS WHERE PRESSURIZE PIPING AT AS SPECIFIED IN THE SPECIFICATION OR TO 100 PSIG MINIMUM. IF LEAKAGE IS OBSERVED OR IF TEMPERATURE COMPENSATED PRESSURE DROP EXCEEDS 1% OF TEST PRESSURE, REPAIR
- 5. PROVIDE SUPPORT UNDER ELBOWS ON PUMP SUCTION AND DISCHARGE LINES.
- 6. ALL STRAINERS SHALL BE FURNISHED WITH A "ROUGHING" SCREEN AND TWO (2) SCREENS FOR NORMAL OPERATION INSTALL STRAINER WITH ROUGHING SCREEN AND OPERATE SYSTEM FOR 24 HOURS MINIMUM (RUN DOMESTIC WATER SYSTEMS AT MAX FLOW FOR A MINIMUM OF ONE HALF (1/2) HOUR. REMOVE ROUGHING SCREEN AND INSTALL NORMAL SCREEN, AFTER TWO WEEKS OF NORMAL OPERATION INSTALL NEW NORMAL SCREEN.
- PIPING SIZES SHALL BE BASED ON 2' OR LESS HEAD LOSS PER 100 FEET OF LENGTH. VELOCITIES SHALL NOT EXCEED 10 FEET PER SECOND.
- 8. INSTALL ALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHIN THE PIPING SYSTEM. ENSURE ALL REQUIRED PIPE EXPANSION WILL OCCUR IN THE PROPER DIRECTION AND SEGMENT OF PIPE. PROPERLY ANCHOR (RE: SPECIFICATIONS) ALL PIPING REQUIRING EXPANSION/CONTRACTION ISOLATION. COORDINATE PIPE EXPANSION/CONTRACTION TO PREVENT DAMAGE TO ANY AND ALL BUILDING COMPONENTS.
- 9. PROVIDE ISOLATION VALVES AT EVERY BRANCH LINE WHERE INDICATED OR NOT.
- CUTTING, PATCHING AND DEMOLITION:
- 1. KEEP DEMOLITION & CUTTING TO MINIMUM REQUIRED FOR PROPER EXECUTION OF WORK.
- 2. NO CUTTING (NOT SHOWN ON THE CONTRACT DOCUMENTS) SHALL BE DONE WITHOUT THE APPROVAL OF THE ARCHITECT AS TO LOCATIONS, METHOD AND EXTENT OF THE CUTTING.
- 3. REPAIR ALL ACCIDENTAL OR INTENTIONAL DAMAGE TO MATCH EXISTING CONSTRUCTION WITH NO NOTICEABLE DIFFERENCE IN CONTINUITY, APPEARANCE OR FUNCTION. STRUCTURE:
- 1. DO NOT PENETRATE STRUCTURAL MEMBERS. ALL EQUIPMENT SUPPORTS SHALL BE ATTACHED TO THE LOAD BEARING MEMBERS OF STRUCTURAL ELEMENTS. DO NOT OVER-STRESS ANY STRUCTURAL MEMBERS. CONTACT STRUCTURAL ENGINEER FOR ALLOWABLE LOADS FOR SPECIFIC MEMBERS.
- 2. DO NOT UTILIZE POWDER DRIVEN ANCHORS FOR ANY LOCATIONS WHICH REQUIRE THE LOAD TO BE HELD IN TENSION SEE STRUCTURAL DIVISION FOR ADDITIONAL RESTRICTIONS.
- 3. SEE ALSO STRUCTURAL DIVISION FOR ACCEPTABLE ANCHORING AND SUPPORT MEANS, METHODS, AND LOCATIONS
- 4. PROVIDE FLEXIBLE CONNECTORS, EXPANSION LOOPS, EXPANSION JOINTS, ADDITIONAL FITTINGS OR EQUIVALENT TO ACCOMMODATE THE THERMAL EXPANSION OF THE BUILDING THROUGH STRUCTURAL EXPANSION JOINTS. PROVIDE SUCH FITTING AT EVERY PIPE, DUCT, CONDUIT, ETC. CROSSING OF A STRUCTURAL EXPANSION JOINT.
- FIRE STOPPING:

DIVISION.

1.

- 1. FIRE STOPPING REQUIREMENT: PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814. ACCEPTANCE MATERIALS INCLUDE: DOW CORNING RTV FIRE STOP FOAM FOR BARE PIPE, METAL CONDUIT, AND ELECTRICAL CABLE; 3M FIRE DAM 150 CAULK FOR BARE PIPE, METAL CONDUIT, AND BUILDING CONSTRUCTION; GAPS 3M FS-195 INTUMESCENT STRIPS FOR INSULATED PIPES, PLASTIC PIPE OR CONDUIT, AND ELECTRICAL CABLE.
- SCOPE CLARIFICATION NOTES:
- THESE DOCUMENTS SERVE TO DEFINE THE NATURE OF THE SYSTEMS, LEVEL OF CONTROL AND FINISH, RELATIONSHIPS WITH OTHER BUILDING SYSTEMS, AND GENERAL DESIGN INTENT OF THIS DIVISION'S WORK. THE CONTRACTOR SHALL EXAMINE THE DOCUMENTS OF ALL TRADES TO COMPLETELY FAMILIARIZE HIM/HERSELF WITH THE VARIOUS CONCEPTS PRESENTED BY OTHER TRADES AND ADAPT THIS WORK AND ANY ASSOCIATED PRICING ACCORDING. WHERE CONFLICTS EXIST BETWEEN THESE DOCUMENTS AND THOSE OF OTHER DIVISIONS, THE MORE STRINGENT (AS DETERMINED BY THE ENGINEER) SHALL TAKE PRECEDENCE. IN PARTICULAR, WHERE ARCHITECTURAL BACKGROUNDS INDICATE PROGRAMMATIC DIFFERENCES IN ROOM LOCATIONS, ROOM FUNCTIONS, PLUMBING FIXTURE COUNTS, CEILING TYPES, RATED CONSTRUCTION, CLEARANCES OR ROOM RELATIONSHIPS, THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE AND THIS CONTRACTOR SHALL ADAPT HIS/HER WORK ACCORDINGLY WHILE MAINTAINING THE DESIGN INTENT REPRESENTED BY THE DOCUMENTS OF THIS
- 2. PROVIDE FIRE STOPPING ON ALL NEW PIPES, DEVICES, ETC. PENETRATING ALL STAIR ENCLOSURES AND FIRE RATED CONSTRUCTION ASSEMBLIES.
- 3. EQUIPMENT SHOWN IS NOT NECESSARILY TO SCALE.
- 4. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS. TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE HIS/HER WORK IN A CLEAN, FUNCTIONAL INSTALLATION.
- 5. THIS CONTRACTOR IS RESPONSIBLE FOR ALL SLEEVES FOR PENETRATIONS THROUGH SLABS AND BEAMS REQUIRED BY THE INTENT OF THE SCOPE OF WORK INDICATED ON THE DRAWINGS. COORDINATION OF QUANTITY AND LOCATIONS OF ALL PENETRATIONS SHALL BE DONE BY THIS CONTRACTOR DURING THE SHOP DRAWINGS PROCESS FOR REVIEW BY THE STRUCTURAL ENGINEER.
- 6. REFER TO FOOD SERVICE DRAWINGS FOR EQUIPMENT LAYOUT AND CONNECTION REQUIREMENTS FOR ALL FOOD SERVICE AREAS THROUGHOUT THE BUILDING.



			PLUMBING	FIXTUR	E SCHE	DULE				
CODE	FIXTURE	MANUFACTURER / MODEL NO.	FAUCET/FLUSH VALVE	CW CONN.	HW CONN.	SAN CONN.	IW CONN.	VENT CONN.	ST CONN.	ACCESSORIES / COMMENTS
WC-1	WATER CLOSET FLOOR MOUNTED	KOHLER / K-5310-0 "CIMARRON"	FLUSH TANK INCLUDED 1.28 GPF	1"	-	4"	-	2"	-	SEAT: KOHLER / K-4008-0 ANGLE SUPPLY W/ STOP: KOHLER / K-7637 TRIP LEVER: KOHLER / K-9466-X-2BZ
WC-2	WATER CLOSET WALL MOUNTED	TOTO / CT708UVG	TOTO / TET3LA31#SS 1.28 GPF	1"	-	4"		2"		SEAT: TOTO / SC534 SEE SPECIFICATIONS FOR ACCESSORIES
LAV-1	LAVATORY UNDERMOUNTED	KOHLER / K-2882 "VERTICYL"	WATERMARK DESIGNS / 23-2.17-L8 1.2 GPM W/ MPU5PL DRAIN, MPT1 P-TRAP	1/2"	1/2"	1-1/2"	-	1-1/2"	-	TMV
LAV-2	LAVATORY UNDERMOUNTED	KOHLER/ K-5400 "IRON PLAINS"	SPLASH LAB / TSL.R.020 (HARDWIRE) 0.50 GPM	1/2"	1/2"	1-1/2"	-	1-1/2"	-	TMV
LAV-3		AMERICAN STANDARD / 355.012 "LUCERNE"	TOTO / TEL103 ECOPOWER	1/2"	1/2"	1-1/2"	-	1-1/2"	-	TMV
DF-1	SINGLE BOWL DRINKING FOUNTAIN	ELKAY / LZWS - EDFPBM114K	N/A	1/2"	-	1-1/2"	-	1-1/2"	-	SEE SPECIFICATIONS FOR ACCESSORIES
DF-2	W/ BOTTLE FILL STATION DOUBLE BOWL DRINKING FOUNTAIN	ELKAY / LZWS-EDFPBM117K	N/A	1/2"	-	1-1/2"	-	1-1/2"	-	SEE SPECIFICATIONS FOR ACCESSORIES
BF	W/ BOTTLE FILL STATION BOTTLE FILL STATION	ELKAY / LZWSMDK	N/A	1/2"	-	1-1/2"	-	1-1/2"	-	SEE SPECIFICATIONS FOR ACCESSORIES
SH-1	SHOWER	WATERMARK DESIGNS / 23-HAF	N/A	1/2"	1/2"	2"	-	2"	-	PRESSURE BALANCE TRIM:WATERMARK DESIGNS / 23-P80-L9PRESSURE BALANCE VALVE:WATERMARK DESIGNS / SS-PB75DRAIN:WATERMARK DESIGNS / LDRK
SH-2	SHOWER	WATERMARK DESIGNS / 23-HAE	WATERMARK DESIGNS / 23-HSHK3 (2.0 GPM)	1/2"	1/2"	2"	_	2"	_	DRAIN PLATE: WATERMARK DESIGNS / LD6-XX PRESSURE BALANCE TRIM: WATERMARK DESIGNS / 23-P80-L8
511-2	ADA			112	112		-		-	PRESSURE BALANCE TRIM. WATERMARK DESIGNS / 23-P00-E0 PRESSURE BALANCE VALVE: WATERMARK DESIGNS / SS-PB75 DRAIN: WATERMARK DESIGNS / LDRK DRAIN PLATE: WATERMARK DESIGNS / LD6-XX DIVERTER VALVE: WATERMARK DESIGNS / SS-WD2 DIVERTER VALVE TRIM KIT: WATERMARK DESIGNS / 23-WTR-L8
BATH-1	BATH TUB ADA	WET STYLE / BC 14XX-#MA	WATERMARK DESIGNS / 23-WBS WATERMARK DESIGNS / 23-HSHK3 (2.0 GPM)	1/2"	1/2"	3"	-	2"	-	PRESSURE BALANCE TRIM:WATERMARK DESIGNS / 23-P80-L8PRESSURE BALANCE VALVE:WATERMARK DESIGNS / SS-PB75DIVERTER VALVE TRIM KIT:WATERMARK DESIGNS / 23-WTR-L8
BATH-2	BATH TUB FREE STANDING	WET STYLE / BLB 01XX-#MA	WATERMARK DESIGNS / 23-8.26.3-L8	1/2"	1/2"	3"	-	2"	-	
SK-1	SINK	ELKAY / LRAD222255	SPEAKMAN / SC-3004-LD-E 0.5 GPM	1/2"	1/2"	1-1/2"	-	1-1/2"	-	TMV
SK-2	SINK	KOHLER / K-3894-4-NA	KOHLER / K-7505	1/2"	1/2"	1-1/2"	-	1-1/2"	-	
JSK-1	JANITOR'S SINK	FIAT / MSB-2424100 "MODESTO"	1.5 GPM FIAT / 830AA	1/2"	1/2"	3"	_	2"	-	DRAIN: KOHLER / K-8801 "DUOSTRAINER" VB
1014 0				4/01	4/01	0"		4.4/01		
EYE	LAUNDRY TUB EMERGENCY EYE WASH	SPEAKMAN / SE-582	AS PROVIDED WITH FIXTURE	1/2"	1/2"	1-1/2"	-	1-1/2"	-	VB TMV
FD-A	FLOOR DRAIN	ZURN / Z-505	3.2 GPM N/A	-	-	SEE	-	2"	-	TP
FD-B	FLOOR DRAIN	ZURN / ZN-415-B	N/A	-	-	PLANS SEE	-	2"	-	TP
FD-C	FLOOR DRAIN	ZURN / Z-520	N/A	-	-	PLANS SEE PLANS	-	2"	-	TP
FS	FLOOR SINK	ZURN / Z-1900-4	N/A	-	-	SEE	-	2"	-	
TD-1	TRENCH DRAIN, 12" WIDE	ZURN / Z882	N/A	-	-	SEE PLANS	-	2"	-	TP
TD-2	TRENCH DRAIN, 6" WIDE	ZURN / Z886	N/A	-	-		-	2"	-	ТР
HB	HOSE BIBB	ZURN / Z1333XL	N/A	3/4"	-	-	-	-	-	
WH	WALL HYDRANT	ZURN / Z1330XL	N/A	3/4"	-	-	-	-	-	
FPWH	FREEZE PROOF WALL HYDRANT	ZURN / Z1320XL	N/A	3/4"	-	-	-	-	-	
FPRH	FREEZE PROOF ROOF HYDRANT	ZURN / Z1388XL	N/A	3/4"	-	-	-	-	-	VB
AD	AREA DRAIN	ZURN / Z-550	N/A	-	-	-	-	-	SEE	
RD-A	ROOF DRAIN	ZURN / Z-100-ERC	N/A	-	-	-	-	-	SEE PLANS	
RD-B	GUTTER DRAIN	ZURN/ Z180 CORNICE DRAIN	N/A	-	-	-	-	-	2"	
RD-C	CANOPY DRAIN	ZURN/ Z180 CORNICE DRAIN	N/A	-	-	-	-	-	2"	
OD-A	OVERFLOW ROOF DRAIN	ZURN / Z-100-ERC-W4	N/A	-	-	-	-	-	SEE PLANS	
GENERAL N	IOTES	1								

1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2015 NYS PLUMBING CODE.

2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS. 3. FINISH AND TYPE OF ALL FIXTURES AND FAUCETS ARE SUBJECT TO ARCHITECT APPROVAL. REFER TO ARCHITECTURAL SCHEDULE.

4. EACH PLUMBING FIXTURE SHALL BE PROVIDED WITH A P-TRAP, EXCEPT THOSE WITH INTEGRAL TRAPS. 5. EXTEND INDIRECT WASTE FULL SIZE TO NEAREST FLOOR DRAIN OR FLOOR SINK, UNLESS OTHERWISE NOTED ON PLANS.

6. FAUCET SHALL BE LEAD FREE AS PER COMPLIANCE WITH NSF 61. 7. EXTEND DOMESTIC HOT WATER RECIRCULATION LINE AS REQUIRED TO ALLOW FOR HOT WATER TO BE RECIRCULATED WITHIN 24" OF LAVATORY VALVE STOPS.

ACCESSORY CODES

TP = TRAP PRIMER VB = VACUUM BREAKER

FLTR = FILTER TMV = POINT-OF-USE THERMOSTATIC MIXING VALVE, ASSE 1070 COMPLIANT





				FOOD S	ERVICI	E SCHE	DULES	5		
				WASTE				WATER		
			INDIRECT	DIRECT	FS	VENT	CW	FW (FILTERED	HW	
CODE	EQUIPMENT	QTY	SIZE	SIZE	REQ	SIZE	SIZE	CW) SIZE	SIZE	ACCESSORIES / COMMENTS
01	HAND SINK. WALL MOUNT	4	-	1-1/2"	-	1-1/2"	1/2"	-	1/2"	TMV
06	WATER FILTER ASSEMBLY	1	-	_	_	_	3/4"	-		VB, INTERCONNECT TO ITEMS 07, 09, 11 (KITCHEN)
07	COFFEE BREWER, DOUBLE	2	-	_	-	_	-	1/2"	_	VB
08	DROP IN SODA / ICE DISPENSER	2	3/4"	_	YES	-	-	-	_	
09		2	-		-	_		1/2"	_	VB
11	ESPRESSO MACHINE	1	5/8"		YES			1/2"	_	VB
14		1	1-1/2"		YES		1/2"	-	1/2"	
22		1	(2) 1-1/2"		YES		1/2"	-	1/2"	
25		1	3/4"		VES		-		-	
26		1	3///"		VES			1/2"		RP7
20		1	5/4		TLO		_	1/2		
21		1	-	4	-	2	-	-	-	
20		1	-	4		2	-	-	-	
29			J/4	-		-	-	- 4/0"	-	PD7
3U 24			3/4	-	1ES	-	-	1/2	-	
31			-	-	-	-	1/2"	-	-	VB, INTERCONNECT TO ITEM 30
32		1	-	-	-	-	1/2"	-	-	VB, INTERCONNECT TO TIEM 26
33		1	-	2"	-	2"	-	-	-	
34	SERVICE SINK FAUCE I	1	-	-	-	-	1/2"	-	1/2"	VB
42	FLOOR TROUGH	1	-	4"	-	2"	-	-	-	
43	TILTING KETTLE, ELECTRIC	1	-	-	-	-	3/8"	-	1/2"	VB
45	ELECTRICAL COMBI-STEAMER	1	2"	-	YES	-	-	3/4"	-	VB
46	WATER FILTER ASSEMBLY	1	-	-	-	-	3/4"	-	-	VB, INTERCONNECT TO ITEMS 45, 47
47	PASTA COOKER, ELECTRIC	1	(2) 1"	-	YES	-	-	(2) 3/4"	-	VB
55	HAND SINK, WELDED	1	-	1-1/2"	-	1-1/2"	-	-	-	
55A	DECK MOUNT MIXING FAUCET	1	-	-	-	-	1/2"	-	1/2"	TMV
57	DROP-IN SINK, SINGLE	1	1-1/2"	-	YES	-	1/2"	-	1/2"	TMV
67	HAND SINK	1		1-1/2"		1-1/2"	1/2"	-	1/2"	
69	THREE COMPARTMENT SINK	1	(3) 1-1/2"	-	YES	-	-	-	-	
70	WALL MOUNT SWING FAUCET	2	-	-	-	-	1/2"	-	1/2"	VB
74	DISHWASHER, CONVEYER TYPE	1	1-1/2"	-	YES	-	-	-	3/4"	
74B	DISHWASHER VENT, UNLOAD END	1	1-1/2"	-	YES	-	-	-	-	
75	PRE-RINSE FAUCET	1	-	-	-	-	1/2"	-	1/2"	VB
76	WASTE DISPOSER	1	-	2"	YES	1-1/2"	1/2"	-	-	
83	EVAPORATOR COIL, REFRIGERATOR	1	3/4"	-	-	-	-	-	-	DRAIN TO FLOOR DRAIN W/ FUNNEL
85	EVAPORATOR COIL, FREEZER	1	3/4"	_	-	-	-	-	_	DRAIN TO FLOOR DRAIN W/ FUNNEL
92	WATER FILTER ASSEMBLY	1	-	_	_	-	1/2"	-	-	VB. INTERCONNECT TO ITEMS 07. 09 (PANTRY)
93	WATER FILTER ASSEMBLY	1	-	_	-	-	1/2"	_	_	VB. INTERCONNECT TO ITEM 94
94	DECK MOUNT STATION W/ GLASS FILLER	1	1-1/4"	_	YES	-	-	1/2"	_	VB
95		1	1-1/2"	_	YES	_	1/2"		1/2"	
98		1	3/4"		YES		-	-	-	
99		1	3/4"		VES			1/2"		RP7
100		1	-		-	_	1/2"	-		
104		ו ר	- 1_1/0"	-	- VEQ	-	1/2	-	-	
104		2	(1) 1 1/2 (1) 1 1/0" (1) 0/4"	-	VEQ	-	-	-	-	
107		2	(1) 1-1/2 , (1) 0/4 1 1/0"	-	VEQ	-	- 1/0"	-	- 1/0"	VB
107			I-1/Z	-		-	1/2	-	1/2	
109			٦/ð م م /٥٣	-		-	1/2	-	-	
110			1-1/2	-	IES	-	1/Z	-	1/2	
113			1/2"	-	YES	-	-	-	-	
120		1	1-1/2"	-	YES	-	-	-	-	
121		1	1-1/2"	-	YES	-	-	-	-	
122	BLENDER STATION	1	1-1/2"	-	YES	-	1/2"	-	1/2"	IMV, VB
128	CARBONATOR	1	-	-	-	-	1/2"	-	-	RPZ

GENERAL NOTES (APPLIES TO ALL CONCESSIONS, BARS, AND PANTRIES):

1. PLUMBING DESIGN AND SIZES ARE BASED ON THE 2015 NYS PLUMBING CODE. 2. ALL EXPOSED PIPING SERVING PLUMBING FIXTURES THAT MAY BE USED FOR ADA PURPOSES SHALL HAVE TRAPS AND SUPPLIES INSULATED PER ADA REQUIREMENTS.

3. EACH UNIT WITH A DIRECT WASTE CONNECTION SHALL BE PROVIDED WITH A P-TRAP, EXCEPT EQUIPMENT WITH INTEGRAL TRAPS. 4. EXTEND INDIRECT WASTE TO NEAREST FLOOR SINK, UNLESS OTHERWISE NOTED ON PLANS. PROVIDE MINIMUM 1" AIR GAP.

5. ALL HAND WASH SINKS SHALL BE PROVIDED WITH MV REGARDLESS OF ACCESSORIES NOTED. LEONARD MODEL 270-LF OR APPROVED EQUAL. 6. REFER TO PLANS FOR FIXTURES REQUIRING CONNECT TO GREASE INTERCEPTOR SYSTEM.

7. CONTRACTOR TO REFER TO FOOD SERVICE AND ARCHITECTURAL DRAWINGS FOR ALL PIPE SIZES, MOUNTING HEIGHTS AND ACTUAL EQUIPMENT QTY., ETC.

ACCESSORY CODES

TP = TRAP PRIMER

VB = VACUUM BREAKER FLTR = FILTER

TMV = POINT-OF-USE THERMOSTATIC MIXING VALVE, ASSE 1070 COMPLIANT

RPZ = REDUCED PRESSURE ZONE ASSEMBLY VB = VACUUM BREAKER

			S	ump p	UMP S	CHEDU	LE									
	MANUFACTURER /			NO. OF			DISCHARGE		SUMP SIZE				ELEC	RICAL		
CODE	MODEL NO.	SERVICE	TYPE	PUMPS	GPM(EA)	FT HD (EA)	PIPE SIZE (EA.)	RPM	(L X W X D)	HP	VOLT	PH	FLA [SC FEEDEF	SIZE	REMARKS
ESP-1	STANCOR / OIL-MINDER SE50	INN ELEVATOR	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460	3	1.4	30 3#12,#12	 G,3/4"C	
ESP-2	STANCOR / OIL-MINDER SE50	INSTITUTE ELEVATOR - BOH	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460	3	1.4	30 3#12,#12		
ESP-3	STANCOR / OIL-MINDER SE50	INSTITUTE ELEVATOR - LOBBY	VORTEX SUBMERSIBLE	1	50	22	2"	3450	2' X 2' X 2' (BY OTHERS)	0.5	460	3	1.4	30 3#12,#120	Э,3/4"C	
GENERAL NO 1. PROVIDE C 2. PROVIDE P 3. PROVIDE L 4. PROVIDE O 5. PROVIDE H	TES HECK VALVE ON EACH PUMP. SEE GENE REMIUM EFFICIENCY MOTORS FOR MOTO OCAL INDICATION OF HIGH LIQUID, HIGH N/OFF SWITCH. IGH ALARM AND WIRE TO RING BELL IN N	RAL DETAIL ON DRAWINGS. DRS 1 HP AND OVER PER MENA STANDAR CURRENT/LOCKED ROTOR, AND OIL SENS	D MG1-2003, TABLES 12-12 AND SING ALARMS. COORDINATE WI	12-13. TH BMS CON	TRACTOR TO	D PROVIDE ADD	ITIONAL BMS READO	DUT OF AL	L ALARMS.							

7. PROVIDE WITH PUMP ON FLOAT, HIGH ALARM FLOAT, SENSOR PROBE, ETC TO ALLOW FOR PROPER OPERATION OF PUMP.

8. PUMP SHALL BE ON EMERGENCY POWER.

9. CONTROL PANEL SHALL BE NEMA 4X RATED.

10. WARRANTY: 1.5 YEAR PUMP (WET END), 20 YEAR MOTOR

		UMP SCH	CHEDULE														
	GENE	ERAL				PUMP	DATA							ELECTRICAL			
								TEMP.	MIN								
	MANUFACTURER/			PUMP			HEAD	RANGE	EFF.								
CODE	MODEL NO.	SERVICE	LOCATION	TYPE	DRIVE	GPM	(FT)	(F)	%	HP	VOLT	PH	DISC	FEEDER SIZE	HZ	RPM	REMARKS
DWCP-1	BELL & GOSSETT / ECOCIRC XL N 36-45	INSTITUTE CIRCULATION	KITCHEN	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600	
DWCP-2	BELL & GOSSETT / ECOCIRC XL N 36-45	INN CIRCULATION	MECH	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600	
DWCP-3	BELL & GOSSETT / ECOCIRC XL N 36-45	INN CIRCULATION	MECH	INLINE	ECM	20	15	40 - 140	49	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600	A
DWCP-4	BELL & GOSSETT / ECOCIRC XL N 36-45	SOLAR THERMAL CIRCULATION	MECH	INLINE	ECM	10	10	40 - 140	42.2	1/6	120	1	STO	2#12,#12G,3/4"C	60	3600	

1. PROVIDE A HIGHLY EFFICENT ELECTRONICALLY COMMUTATED PERMANENT MAGNET MOTOR (ECM/PM TECHNOLOGY)

2. PROVIDE ALL STAINLESS STEEL CONSTRUCTION, NSF-372 AND NSF-61 COMPLIANT. 3. PUMP SHALL BE SUPPLED WITH A CLOSED, PERFECTLY MOLDED INSULATION SHELL THAT FITS THE PUMP HOUSING EXACTLY.

4. PUMP SHALL BE CONNECTED TO A TEMPERATURE SENSOR THAT MAINTAINS A 5 DEGREE DELTA T IN THE HOT WATER CIRULATION LINE.

5. PUMP SHALL BE SUPPLIED WITH A BUILT-IN TEMPERATURE SENSOR. 6. PUMP SHALL BE PROVIDED WITH A 1.5" SUCTION AND DISCHARGE FLANGES.

REMARK NOTES

GENERAL NOTES

A. 100% STANDBY OPERATION. PROVIDE AUTOMATIC LEAD/STANDBY CHANGEOVER BASED ON RUN TIME.

CODE	DESCRIPTION	CW CONN.	HW CONN.	SAN CONN.	IW CONN.	VENT CONN.	ACCESSORIES / COMMENTS
WASH	WASHING MACHINE	(2) 3/4"	(2) 3/4"	-	3"	-	VB
REF	REFRIGERATOR W/ ICE MAKER	1/2"	-	-	-	-	VB, FLTR
ICE	ICE MAKER	1/4"	-	-	(2) 3/4"	-	RPZ, FLTR
WD	WATER DISPENSER	1/2"	-	1-1/2"	-	1-1/2"	VB
LCS	LAUNDRY CHUTE SANITATION UNIT	3/4"	-	-	-	-	VB
DW	DISHWASHER, UNDERCOUNTER	-	3/8"	3/4"	-	-	
FWD	FOOD WASTE DISPOSER	-	-	1-1/2", 3/4"	-	-	INCLUDES DISHWASHER CONNECTION
ERAL LUMBI L EXP .CH PL TEND TESSOI	NOTES NG DESIGN AND SIZES ARE BASED ON THE 20 OSED PIPING SERVING PLUMBING FIXTURES UMBING FIXTURE SHALL BE PROVIDED WITH INDIRECT WASTE TO NEAREST FLOOR DRAIN RY CODES JM BREAKER PRIMER	15 INTERNATIONAL THAT MAY BE USEE A P-TRAP, EXCEPT OR FLOOR SINK, U RPZ = REDUC MV = POINT-O	PLUMBING CC FOR ADA PUR THOSE WITH IN INLESS OTHER ED PRESSURE F-USE MIXING Y	DE. POSES SHALL T ITEGRAL TRAPS WISE NOTED ON ZONE ASSEMBL /ALVE, ASSE 10	RAPS AND SUF 5. I PLANS. Y 70 COMPLIANT	PPLIES INSULATE	D PER ADA REQUIREMENTS.

				WAT	ER TREA	ATMENT SC	HEDULE							
	GENEF	RAL	COPPER SILVER IONIZAT	ION SYST	EM FLOW CELL			CONTROLLER				ELECT	RICAL	
					FLOW	TOTAL SYSTEM	WORKING							
			MANUFACTURER/	QTY	RATE	FLOW RATE	PRESSURE	MANUFACTURER/						
CODE	SERVICE	LOCATION	MODEL NO.		(EA) (GPM)	(GPM)	(PSI)	MODEL NO.	AMPS	VOLT	PH	HZ	DISC	FEEDER SIZE
CSI-1	INN	WATER ROOM	LIQUITECH/ QF14-4/4 LIQUITECH MARK III CLEAN	1	20	20	150	S300	8	120	1	60	30	2#12, #12G, 3/4"C
			FLOW 4" "QUICK-CONNECT" FLOW CELL											
GENERAL N	IOTES						· · · · · · · · · · · · · · · · · · ·							· · · · ·

1. COPPER SILVER IONIZATION SYSTEMS SHALL BE PROVIDED WITH (1) DIAGNOSTICS TFX ULTA TANSIT-TIME FLOW METER, (1) MODEL DC1200 COPPER COLORIMETER TEST KIT, AND (1) REMS REMOTE ENGINEER MONITORING SYSTEM PER LIQUITECH MODULE. 2. PROVIDE BMS TIE-IN 3. CONTROLLER SHALL BE LIQUITECH ELECTRONIC CONTROL UNIT WITH "PROPORATIONAL CONTROL" AND REMOTE MONITORING.

4. PROVIDE (1)SPARE FLOW CELL 5. ALL WETTED COMPONENTS SHALL COMPLY WITH NSF-61 6. FLOW CELL SHALL BE VERTICALLY MOUNTED

REMARK NOTES

			DOINES			IERS		JUL			RIC)						
CODE	MANUFACTURER/			STORAGE	RECOVERY	TEMP.		DIM	ENSIONS	(IN)	OPERATING				ELECTR	ICAL	
(DWH)	MODEL NO.	LOCATION	SERVICE	(GAL)	(GPH)	RISE	KW	L	W	Н	WEIGHT (LB)	VOLT	PH	FLA	DISC	FEEDER SIZE	PANE
DWH-1	PVI / DURAWATT 650-L-200A-VE	1ST FL STORAGE/ CLOSET	INSTITUTE	200	515	100	126	44	34	75	2820	480	3	151.6	200	3#3/0,#6G,2"C	
DWH-2	PVI / DURAWATT 650-L-200A-VE	1ST FL STORAGE/ CLOSET	INSTITUTE	200	515	100	126	44	34	75	2820	480	3	151.6	200	3#3/0,#6G,2"C	
DWH-3	PVI / DURAWATT 550-L-150A-VE	1ST FL WATER SERVICE RM	INN	150	440	100	108	44	34	63	2343	480	3	129.9	200	3#3/0,#6G,2"C	
DWH-4	PVI / DURAWATT 550-L-150A-VE	1ST FL WATER SERVICE RM	INN	150	440	100	108	44	34	63	2343	480	3	129.9	200	3#3/0,#6G,2"C	
GENERAL NO	TES																

GENERAL NOTES 1. HEAT EXCHANGER AND TANK TO BE ASSEMBLED AT THE FACTORY AND SHIPPED FULLY ASSEMBLED. 2. HOT WATER HEATER SHALL BE FURNISHED WITH IMMERSION THERMOSTAT. 3. ROUTE ALL T&P RELIEF VALVES TO APPROVED RECEPTOR. ALL T&P RELIEF VALVES SHALL BE ACSA-RATED.

4. MUST BE NSF APPROVED. 5. TANK SHALL BE AN AQUAPLEX TANK (UNLINED DUPLEX STAINLESS STEEL) 6. TANK SHALL BE NON-FERROUS, REMOVABLE TANK FITTINGS. NO ANODE RODS SHALL BE REQUIRED.

7. TANK SHALL BE SUPPLIED WITH FIBERGLASS INSULATION AND ENCLOSED IN STEEL JACKET PANELS. 8. TANK SHALL BE FURNISHED WITH A 25-YEAR WARRANTY. 9. MOUNT TANK ON 4" HOUSEKEEPING PAD.

REMARK NOTES

REMARKS



REMARKS

					EXPA	NSION TAI	NK SCHE	DULE					
			DES	IGN PARAM	ETERS	OPERATING F	PARAMETERS						
			SYSTEM			RELIEF VALVE	CW MU			MIN.			
			VOLUME	MIN.	MAX	SETTING	PRV REQ'T			ACCEPT.	PRECHARGE	MANUFACTURER/	
CODE	SERVICE	LOCATION	(GAL)	TEMP (F)	TEMP (F)	(PSIG)	(PSIG)	CONFIG	TYPE	(GAL)	(PSIG)	MODEL NUMBER	I I
DET-1	INSTITUTE DOM. HW	INSTITUTE - 1ST FL STORAGE	800	40	140	100	80	V	D	68	55	AMTROL/ ST-120V-C	
DET-2	INN DOM. HW	INN - 1ST FL WATER RM	300	40	140	100	80	V	D	34	55	AMTROL/ ST-70V-C	
GENERAL NO 1. TYPE: B=F D=	DTES ULL BLADDER PARTIAL DIAPHRAGM				·								-

DOMESTIC WATER STORAGE TANK SCHEDULE

MANUFACTURER/					D	IMENSION	l (IN)	WEIGHT	
MODEL NO.	LOCATION	TYPE	GALLONS	ORIENTATION	L	W	Н	(LBS)	RE
PVI/ L215A-TR	1ST FL STORAGE	INSULATED & JACKETED	200	VERTICAL	37	34	78	2565	
PVI/ L215A-TR	1ST FL STORAGE	INSULATED & JACKETED	200	VERTICAL	37	34	78	2565	
-0									

1. ENTIRE TANK TO BE FULLY INSULATED TO MEET ASHRAE 90.1-07. 2. TANK SHALL BE PROVIDED WITH CONNECTIONS FOR AQUA-STAT, RELIEF VALVE, DRAIN, THERMOMETER WATER INLET, WATER OUTLET, AND WATER RECIRCULATION.

3. MOUNT UNIT ON 4" CONCRETE HOUSEKEEPING PAD. 4. ROUTE ALL T&P RELIEF VALVES TO APPROVED RECEPTOR. ALL T&P RELIEF VALVES SHALL BE ACSA-RATED.

6. TANK SHALL BE AN AQUAPLEX TANK (UNLINED DUPLEX STAINLESS STEEL)

7. TANK SHALL BE NON-FERROUS, REMOVABLE TANK FITTINGS. NO ANODE RODS SHALL BE REQUIRED.

8. TANK SHALL BE SUPPLIED WITH FIBERGLASS INSULATION AND ENCLOSED IN STEEL JACKET PANELS. 9. TANK SHALL BE FURNISHED WITH A 25-YEAR WARRANTY.





GENERAL NOTES: 1. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR NEW PIPE PENETRATIONS. ALL SERVICE PENETRATIONS INTO BUILDING SHALL BE WATER TIGHT. 2. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICTS WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES. (E) VASSAR CAMPUS KEYNOTES

GENERAL NOTES: 1. PROVIDE HOT WATER, COLD WATER, WASTE AND VENT PIPING TO FIXTURES AS PER SCHEDULE. HOT WATER CIRCULATION PIPING SHALL BE EXTENDED FROM WATER HEATER OR RECIRC MAIN TO WITHIN 2 FT OF EACH LAVATORY FIXTURE AND WITHIN 20 FT OF ALL OTHER FIXTURES. 2. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR PIPE PENETRATIONS. 3. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICT WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES. 4. WHERE SINKS, LAVATORIES, WATER CLOSETS, ETC. ARE INSTALLED ON THE SAME CHASE AS A BACK OUTLET WATER CLOSET, THE SINK OR LAVATORY SHALL DRAIN VIA CHAIR CARRIER. 5. VENT FLOOR DRAINS FROM BELOW SLAB. 6. SEE RISER DIAGRAMS P-6.0X SERIES FOR PLUMBING RISER PIPE SIZING. 7. ALL PLUMBING PIPING WITHIN CHASES SHALL BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY. KEYNOTES P10 FOR UNDERGROUND PIPING PENETRATION THRU STRUCTURAL GRADE BEAMS, CONTRACTOR SHALL COORDINATE EXACT LOCATION AND PIPE SLEEVING PENETRATION DETAILS WITH STRUCTURAL DETAILS. OFFSET PIPING AS REQUIRED.

GENERAL NOTES: 1. PROVIDE HOT WATER, COLD WATER, WASTE AND VENT PIPING TO FIXTURES AS PER SCHEDULE. HOT WATER CIRCULATION PIPING SHALL BE EXTENDED FROM WATER HEATER OR RECIRC MAIN TO WITHIN 2 FT OF EACH LAVATORY FIXTURE AND WITHIN 20 FT OF ALL OTHER FIXTURES. 2. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR PIPE PENETRATIONS. 3. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICT WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES. 4. WHERE SINKS, LAVATORIES, WATER CLOSETS, ETC. ARE INSTALLED ON THE SAME CHASE AS A BACK OUTLET WATER CLOSET, THE SINK OR LAVATORY SHALL DRAIN VIA CHAIR CARRIER. 5. VENT FLOOR DRAINS FROM BELOW SLAB. 6. SEE RISER DIAGRAMS P-6.0X SERIES FOR PLUMBING RISER PIPE SIZING. 7. ALL PLUMBING PIPING WITHIN CHASES SHALL BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY. KEYNOTES

PLUMBING PARTIAL PLAN - UNDERGROUND INSTITUTE SCALE: 1/8" = 1'-0"

1.	GENERAL NO
	VENT PIPING TO FIXTURES AS PE WATER CIRCULATION PIPING SHA FROM WATER HEATER OR RECIR
2	OF ALL OTHER FIXTURES.
3.	COORDINATION DRAWINGS SHAL
	ENSURE ROUTING AVOIDS CONFI WORK. CONTRACTOR SHALL CO OTHER TRADES.
4.	WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CH OUTLET WATER CLOSET. THE SIN
5.	SHALL DRAIN VIA CHAIR CARRIER
6.	SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING.
7.	ALL PLUMBING PIPING WITHIN CH ATTACHED TO THE WET-SPACE S PARTITION ONLY
	VEVNOTES
P5 P6	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1'	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ²	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1'	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1 ⁻	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1'	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA 1 PIPING 4" AND LARGER WITHIN G 1 PIPING 4" AND LARGER WITHIN G 1 PIPING 4" AND LARGER WITHIN G 1 PIPING 4" AND LARGER WITHIN G 2 WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1'	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOA
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOP
P5 P6 P1	2"SAN UP TO SHOWER. VENT ON 4"SAN UP TO WATER CLOSET. VE 1 PIPING 4" AND LARGER WITHIN G BE WRAPPED IN 1 PSF MASS-LOV

OTES: TER, WASTE AND ER SCHEDULE. HOT ALL BE EXTENDED C MAIN TO WITHIN 2 AND WITHIN 20 FT CORE DRILLING AS INCORE DRILLING AS INCORDINATE WITH ALL NER CLOSETS, ETC. HASE AS A BACK NK OR LAVATORY R. OW SLAB. RIES FOR PLUMBING HASES SHALL BE SIDE OF THE	COLLEGE INN & INSTITUTE 18010.00 18010.00
N THIS LEVEL. ENT ON THIS LEVEL. GUEST ROOMS SHALL ADED VINYL LAGGING.	
	Frederick Fisher and Partners 12248 Santa Monica Blvd. Los Angeles, CA 90025 (310) 820-6680 fisherpartners.net 150 West 28th St, Suite 1802. New York, NY 10001 (310) 820-6680 fisherpartners.net
	PLUMBING PARTIAL PLANS - LEVEL 1/2 INN SCALE: AS INDICATED P2.11

	GENERAL NOT
1.	PROVIDE HOT WATER, COLD WATE VENT PIPING TO FIXTURES AS PER
	WATER CIRCULATION PIPING SHALL FROM WATER HEATER OR RECIRC
	OF ALL OTHER FIXTURES.
2.	CONTRACTOR SHALL PROVIDE COP REQUIRED FOR PIPE PENETRATION
3.	COORDINATION DRAWINGS SHALL ENSURE ROUTING AVOIDS CONFLIC
	OTHER TRADES.
4.	WHERE SINKS, LAVATORIES, WATE ARE INSTALLED ON THE SAME CHA OUTLET WATER CLOSET THE SINK
	SHALL DRAIN VIA CHAIR CARRIER.
5. 6.	VENT FLOOR DRAINS FROM BELOW SEE RISER DIAGRAMS P-6.0X SERIE
-	RISER PIPE SIZING.
1.	ALL PLUMBING PIPING WITHIN CHAS ATTACHED TO THE WET-SPACE SID PARTITION ONLY.
	KEYNOTES
P4 P7	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL
P4 P7 P11	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUR BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HWR R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH D DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HWR WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETALL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUR BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUI BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUC SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V I/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUB BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PED DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUE BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HWR ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUI BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH I DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES EXTEND 4"VENT TO SERVE EACH V 1/2"HWC DN TO CONNECT TO HW R WITH RECIRC TRIM AS PER DETAIL ACCESIBLE IN THE CEILING. PIPING 4" AND LARGER WITHIN GUI BE WRAPPED IN 1 PSF MASS-LOAD ALL PIPES PENETRATIONS THROUG SPACE SHALL BE PROVIDED WITH DAM VIA SLEEVE EXTENSION. REFE
P4 P7 P11 P13	KEYNOTES
P4 P7 P11 P13	KEYNOTES

KEYNOTES

VENT PIPING TO FIXTURES AS PER SCHEDULE. HOT WATER CIRCULATION PIPING SHALL BE EXTENDED FROM WATER HEATER OR RECIRC MAIN TO WITHIN 2 FT OF EACH LAVATORY FIXTURE AND WITHIN 20 FT OF ALL OTHER FIXTURES. 2. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR PIPE PENETRATIONS.

- 3. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICT WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES.
- 4. WHERE SINKS, LAVATORIES, WATER CLOSETS, ETC. ARE INSTALLED ON THE SAME CHASE AS A BACK OUTLET WATER CLOSET, THE SINK OR LAVATORY
- SHALL DRAIN VIA CHAIR CARRIER. 5. VENT FLOOR DRAINS FROM BELOW SLAB.
- 6. SEE RISER DIAGRAMS P-6.0X SERIES FOR PLUMBING RISER PIPE SIZING.
- 7. ALL PLUMBING PIPING WITHIN CHASES SHALL BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY.

GENERAL NOTES: 1. PROVIDE HOT WATER, COLD WATER, WASTE AND VENT PIPING TO FIXTURES AS PER SCHEDULE. HOT WATER CIRCULATION PIPING SHALL BE EXTENDED FROM WATER HEATER OR RECIRC MAIN TO WITHIN 2 FT OF EACH LAVATORY FIXTURE AND WITHIN 20 FT OF ALL OTHER FIXTURES. 2. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR PIPE PENETRATIONS. 3. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICT WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES. 4. WHERE SINKS, LAVATORIES, WATER CLOSETS, ETC. ARE INSTALLED ON THE SAME CHASE AS A BACK OUTLET WATER CLOSET, THE SINK OR LAVATORY SHALL DRAIN VIA CHAIR CARRIER. 5. VENT FLOOR DRAINS FROM BELOW SLAB. 6. SEE RISER DIAGRAMS P-6.0X SERIES FOR PLUMBING RISER PIPE SIZING. 7. ALL PLUMBING PIPING WITHIN CHASES SHALL BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY. KEYNOTES

GENERAL NOTES:

- VENT PIPING TO FIXTURES AS PER SCHEDULE. HOT WATER CIRCULATION PIPING SHALL BE EXTENDED FROM WATER HEATER OR RECIRC MAIN TO WITHIN 2 FT OF EACH LAVATORY FIXTURE AND WITHIN 20 FT OF ALL OTHER FIXTURES. 2. CONTRACTOR SHALL PROVIDE CORE DRILLING AS REQUIRED FOR PIPE PENETRATIONS. 3. COORDINATION DRAWINGS SHALL BE PREPARED TO ENSURE ROUTING AVOIDS CONFLICT WITH ALL NEW WORK. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES.
- ARE INSTALLED ON THE SAME CHASE AS A BACK OUTLET WATER CLOSET, THE SINK OR LAVATORY SHALL DRAIN VIA CHAIR CARRIER. 5. VENT FLOOR DRAINS FROM BELOW SLAB.
- 6. SEE RISER DIAGRAMS P-6.0X SERIES FOR PLUMBING RISER PIPE SIZING.
- 7. ALL PLUMBING PIPING WITHIN CHASES SHALL BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY.

KEYNOTES

PLUMBING ENLARGED PLAN - TYPICAL 2ND FL GUEST ROOMS BACK TO BACK SCALE: 1/4" = 1'-0"

2

5

PLUMBING PARTIAL PLAN - LEVEL 3 INN - FITNESS WC

Α

SCALE: (1/4" = 1'-0"

1

PLUMBING ENLARGED PLAN - UNDERGROUND INSTITUTE KITCHEN SCALE: 1/4" = 1'-0"

GENERAL NOT I. PROVIDE HOT WATER, COLD WAT VENT PING TO FIXTURES AS PEI WATER CIRCULATION PIPING SHAF FO F EACH LAVATORY FIXTURES. CONTRACTOR SHALL PROVIDE CONTRACTOR SHALL PROVIDE CONTREQUIRED FOR PIPE PENETRATIC COORDINATION DRAWINGS SHALL ENSURE ROUTING AVOIDS CONFIL ENSURE ROUTING AVOIDS CONFIL VENT FLOOR DRAWING SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTHER TRADES. A WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CHOUTLET WATER CLOSET, THE SIN SHALL DRAIN VIA CHAIR CARRIER SUME TRADES VENT FLOOR DRAINS FROM BELO SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. XALL PLUMBING PIPING WITHIN CHAATTOCHED TO THE WET-SPACE SPARTITION ONLY. VENT FLOOR DRAINS FROM BELO CONDUCT INFORMATION ECONTON SERVICE DRAWING CONDUT INFORMATION FOR TADINING CONDUCT INFORMATION FOR TADININA CONDUCT INFORMATION.					
 PROVIDE HOT WATER, COLD WAT VENT PIPING TO FIXTURES AS PEI WATER CIRCULATION PIPING SHA FROM WATER HEATER OR RECIR, FT OF EACH LAVATORY FIXTURE / OF ALL OTHER FIXTURES. CONTRACTOR SHALL PROVIDE CI REQUIRED FOR PIPE PENETRATIC COORDINATION DRAWINGS SHAL ENSURE ROUTING AVOIDS CONFL WORK. CONTRACTOR SHALL COY OTHER TRADES. WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CH OUTLET WATER CLOSET, THE SIN SHALL DRAIN VIA CHAIR CARRIER VENT FLOOR DRAINS FROM BELO SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. ALL PLUMBING PIPING WITHIN CH. ATTACHED TO THE WET-SPACE S PARTITION ONLY. 			GEN	ERAL	
 CONTRACTOR SHALL PROVIDE CORREQUIRED FOR PIPE PENETRATION REQUIRED FOR PIPE PENETRATION COORDINATION DRAWINGS SHALL ENSURE ROUTING AVOIDS CONFLWORK. CONTRACTOR SHALL CONTRACTOR SHALL DO THE RADES. WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CHOUTLET WATER CLOSET, THE SIN SHALL DRAIN VIA CHAIR CARRIER VENT FLOOR DRAINS FROM BELO SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. ALL PLUMBING PIPING WITHIN CHAATTACHED TO THE WET-SPACE S PARTITION ONLY. KEYNOTES P12 REFER TO FOOD SERVICE DRAWN, CONDUIT ROUGH-IN LOCATIONS CONTROL PERSENCE DETAIL SPECIFICATIONS FROM ADDITIONA CONDUIT INFORMATION.	1.	PROVIDE VENT PIPI WATER C FROM WA FT OF EAG OF ALL O	HOT WA ING TO F IRCULAT TER HE CH LAVA THER FI)	TER, CC IXTURES ION PIPI ATER OF TORY FI TORY FI	OLD WAT S AS PER NG SHA R RECIRC XTURE A
 COORDINATION DRAWINGS SHALL ENSURE ROUTING AVOIDS CONFI WORK. CONTRACTOR SHALL COO OTHER TRADES. WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CH OUTLET WATER CLOSET, THE SIN SHALL DRAIN VIA CHAIR CARRIER VENT FLOOR DRAINS FROM BELO SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. ALL PLUMBING PIPING WITHIN CH ATTACHED TO THE WET-SPACE S PARTITION ONLY. 	2.	CONTRAC REQUIRE	CTOR SH	ALL PRO	VIDE CO
WHERE SINKS, LAVATORIES, WAT ARE INSTALLED ON THE SAME CH OUTLET WATER CLOSET, THE SIN SHALL DRAIN VIA CHAIR CARRIER VENT FLOOR DRAINS FROM BELO SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. ALL PLUMBING PIPING WITHIN CH ATTACHED TO THE WET-SPACE S PARTITION ONLY.		Coordin Ensure I Work. C Other Tf	ATION D ROUTING ONTRAG RADES.	RAWING G AVOIDS CTOR SH	S SHALI S CONFL ALL COO
5. VENT FLOOR DRAINS FROM BELO 6. SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. 7. ALL PLUMBING PIPING WITHIN CH. ATTACHED TO THE WET-SPACE S PARTITION ONLY. 8. PARTITION ONLY. 8. PARTITION ONLY. 8. PARTITION ONLY. 9. PARTITION ONLY.	4.	WHERE S ARE INST OUTLET V SHALL DR	INKS, LA ALLED C VATER C RAIN VIA	VATORII N THE S LOSET, CHAIR C	ES, WAT AME CH THE SIN ARRIER
 SEE RISER DIAGRAMS P-6.0X SER RISER PIPE SIZING. ALL PLUMBING PIPING WITHIN CH. ATTACHED TO THE WET-SPACE S PARTITION ONLY. SPECIFICATION ONLY. 	5.	VENT FLC	OR DRA	INS FRO	M BELO
7. ALL PLUMBING PIPING WITHIN CH. ATTACHED TO THE WET-SPACE S PARTITION ONLY.	6.	SEE RISE RISER PIF	R DIAGR PE SIZINO	AMS P-6 G.	.0X SER
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE DETAIL REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.	7.	ALL PLUM ATTACHE PARTITIO	ibing pii d to th n only.	PING WIT E WET-S	THIN CHA
KEYNOTES P12 REFER TO FOOD SERVICE DRAW CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS CONDUIT ROUGH-IN LOCATIONS CONDUIT ROUGH-IN LOCATIONS REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWN CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAWI CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAW CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
KEYNOTES P12 REFER TO FOOD SERVICE DRAW CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.					
P12 REFER TO FOOD SERVICE DRAWN CONDUIT ROUGH-IN LOCATIONS. LOCATIONS WITH FOOD SERVICE REFER TO FOOD SERVICE DETAIL SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.				KEYN	OTES
SPECIFICATIONS FOR ADDITIONA CONDUIT INFORMATION.	P12	REFER T CONDUIT LOCATIO REFER T	O FOOD TROUGH NS WITH O FOOD	SERVICE I-IN LOCA I FOOD S SERVICE	E DRAWI ATIONS. BERVICE E DETAIL
		SPECIFIC		FOR AD MATION.	DITIONA

RIGATION	
) WATER N VALVE, STER VALVE	
RS)	
I/2"CW	

