PLUME		PLUMBING FIXTURE SCHEDULE									
		MARK	FIXTURE		ONN.	<u> </u>	MANUFAC. & MODEL	DESCRIPTION			
	DOMESTIC COLD WATER PIPING			W	CW	HW	& MODEL				
	EXIST. DOMESTIC COLD WATER	P-1	WATER	4"	1-1/2"	_	AM. STD.	VITREOUS CHINA, 16-3/4" HIGH ELONGATED BOWL, 1.6 GPF, SIPHON JET; W/ ZURN Z-6000-WS1-YBYC FLUSH VALVE			
	DOMESTIC HOT WATER PIPING		CLOSET (HANDICAP)	4	1-1/2	_	3043.102	MOUNTED 11" ABOVE WATER CLOSET; CHURCH 9500CT OPEN FRONT SEAT, WHITE SOLID PLASTIC.			
	EXIST. DOMESTIC HOT WATER FILTERED WATER		(1741010741)				COMMERCIAL	WITH AM. STANDARD 6056.205-V10 - INNSBROOK AC			
	HOT WATER RECIRC	P-2	LAVATORY	2"	1/2"	1/2"	INTERIORS MANUFACTURING	VERSION PROXIMITY FAUCET, WITH V10 1.0 GPM VANDAL RESISTANT AERATOR, AND 605XTMV MIXING			
	VENT PIPING		(HANDICAP)		′	,	MODEL R-2030	VALVE, POLISH CHROME FINISH			
	WASTE (SANITARY SEWER)										
	UNDERGROUND WASTE (SANITARY SEWER)	P-3	WATER CLOSET	4"	1-1/2"	_	AS PER ARCHITECTURE	AS PER ARCHITECTURE DETAILS			
~~~~~~~	'		CLUSET								
——— GW ———	GREASE WASTE						711011	7/25 704 071/1/1 500 0755/ 1/5/1/4 8/17/			
——— GW ———	UNDERGROUND GREASE WASTE	FD-A	FLOOR DRAIN	3"	_	_	ZURN Z-1732-33	ALL TYPE 304 STAINLESS STEEL HEAVY DUTY ADJUSTABLE FLOOR DRAIN WITH INTEGRAL ANCHOR			
G	GAS PIPING							FLANGE.			
——————————————————————————————————————	GAS VALVE		FLOOR				ZURN				
	GAS SOLENOID VALVE	FD-B	DRAIN	3"	_	_	Z-1732-33	SAME AS FD-A, EXCEPT W/1/2" TRAP PRIMER CONNECTION			
—— >	GATE VALVE										
	BALANCING VALVE		FLOOR	_,,			ZURN Z-1900-2-33	3" FLOOR SINK, 12"X12" A.R.E SANI-FLOR RECEPTOR, ANTI SPLASH STRAINER, ACID RESIST.			
	CHECK VALVE	FS-A	SINK	3"	_	_	12"X12"X6" A.R.E.	PORCELAIN ENAMEL INTERIOR AND SQ. TOP. BOTTOM DOME STRAINER.			
	UNION										
	PIPE UP	FS-B	FLOOR	3"	_	_	ZURN Z-1900-2-33	3" FLOOR SINK, 12"X12" A.R.E SANI—FLOR RECEPTOR, ANTI SPLASH STRAINER, ACID RESIST.			
			SINK				12"X12"X6" A.R.E.	PORCELAIN ENAMEL INTERIOR AND SQ. TOP			
 5	PIPE DOWN										
	FLOOR/HUB DRAIN	FCO	FLOOR CLEANOUT	4"	_	_	Z-1400-BP	ADJUSTABLE FLOOR CLEANOUT, DURA—COATED CAST			
	FLOOR SINK		CLEANOUT					IRON BODY.			
<u> </u>	FLOOR/GRADE CLEAN OUT TRENCH DRAIN		WALL	SEE			Z-1446-BP	CLEANOUT TEE, DURA-COATED CAST IRON BODY,			
		wco	CLEANOUT	RISER	_	_	2 1110 51	SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.			
<u> </u>	WALL CLEAN OUT										
XXX	KITCHEN EQUIPMENT ITEM NUMBER							12KW INPUT, 240V, 3PH, 66 GAL STORAGE CAPACITY, FLOOR MOUNTED ELECTRIC STORAGE WATER,			
P-1	FIXTURE DESIGNATION	WH-1	WATER HEATER	_	3/4"	3/4"	A.O.SMITH DEN-66	DIMENSIONS 21-3/4"D X 60-3/4"H, PROVIDE EXPANSION TANK AS PER SCHEDULE. REFER TO DETAIL			
AFF	ABOVE FINISHED FLOOR							1/P-501.00.			
PC	PLUMBING SUB-CONTRACTOR		WATER				CHRONOMITE	INSTANT-FLOW SR - LOW FLOW ELECTRIC WATER HEATER; 208V, 4.16KW, SINGLE PHASE, 0.4 GPM @			
GC	GENERAL CONTRACTOR	WH-2	HEATER	_	3/8"	3/8"	SR-20L/208	71°F RISE EACH. INSTALL EACH PER MANUFACTURER'S RECOMMENDATIONS.			
MC	MECHANICAL SUB-CONTRACTOR							RECOMMENDATIONS.			
EC	ELECTRICAL SUB-CONTRACTOR	0.4	GREASE	4"			SCHIER	INDOOR, ABOVE GRADE INSTALLATION, 100 GPM FLOW RATE, 1895 LBS. GREASE CAPACITY. REFER TO DETAIL			
FCO	FLOOR CLEAN OUT	GI-1	INTERCEPTOR	4	_	_	GB-250	8/P-501.00.			
WCO	WALL CLEAN OUT										
GCO	GRADE CLEAN OUT	 HD-1	HUB DRAIN	3"	_	_	_	SEE DETAIL SHEET 7/P-501.00			
WHD	WALL HYDRANT		DIVIII					, and the second			
FD	FLOOR DRAIN										
TD	TRENCH DRAIN	RCP-1	RECIRCULATION PUMP	-	_	_	GRUNDFOS UPS 15-18	2 GPM FLOW RATE, 10 FT TOTAL HEAD, 0.115 HP MOTOR			
FS	FLOOR SINK										
HD	HUB DRAIN		EXPANSION				THERM V TROI	0 0ALLONG FLDG WEIGHT 47"(H)\/0"/DIA)			
CW	COLD WATER	ET-1	TANK	_	_	_	THERM-X-TROL ST-5	2 GALLONS, 5LBS WEIGHT, 13"(H)X8"(DIA)			
HW	HOT WATER										
TW	TEMPERED WATER	TD-A	80" TRENCH DRAIN	3"	_	_	AS PER ARCHITECTURE	AS PER ARCHITECTURE DETAILS			
FW	FILTERED WATER		DIVAIN								
AAV	AIR ADMITTANCE VALVE (STUDOR VENT)						AS PER	AS PER ARCHITECTURE DETAILS			
•	TIE INTO EXISTING	TD-B	40" TRENCH DRAIN	3"	_	_	ARCHITECTURE	AS PER ARCHITECTURE DETAILS			
CODP	CLEAN OUT DECK PLATE										

	(5)					
	DESCRIPTION: 3-COMP. SINK					
	SIZE PER COMP. =18"L x 22"W x 14"H	= 5544 CU.IN.				
	TOTAL VOLUME:	= 16632 CU.IN.				
	DESCRIPTION: MOP SINK					
	SIZE PER COMP. = 34"L x 20"W x 14"H	= 9520 CU.IN.				
	TOTAL VOLUME:	= 9520 CU.IN.				
	DESCRIPTION: PRE RINSE SINK					
	SIZE PER COMP. = 18"L x 22"W x 14"H	= 5544 CU.IN.				
	TOTAL VOLUME:	= 5544 CU.IN.				
	DESCRIPTION: FLOOR SINK/TRENCH DRAIN-QTY.16					
	VOLUME PER FLOOR DRAIN	= 1540 CU.IN.				
	TOTAL VOLUME:	= 24640 CU.IN				
	TOTAL VOLUME TOTAL FLOW	= <u>56336 CU.IN</u> = <u>100 GPM</u>				
	SELECTED SCHIER MODEL <u>GB-250</u>					
	▲ •					
	P-2 P-1 P-2	42826	423/26	42x28	42526	
3°F	D-B 4"FCO 3"FD-B					0
⊙4"FC0						
3"FD-A	N100 13					
K20 (15)						d
3.SAN seed a see	3"FD-A N					Ç
	3"FD-B P-3 3"FD-B P-3	6 5-				
N20		15	4"SAN	3"FD-A 20 1 • 4"FCO		
TRASH ROOM 3"FD-A				1 0 4 FCO		
-4"FCO	2311.5 23					
4					nn n	
ABOVE CEILING	4"SAN LOCKERS		3"FD-A N10 K71			,
	5 TD-B		3"FS-A-/ ·····		U =	
3"HD-1 2472	48"	-				
DUMBWAITER TO TO THE STATE OF T	Y I ABOV		EXPEDITE TABLE			
DUMBWITTEN TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL	FREEZER A					_
	OFFICE	DOWN	K10 J			R
24"x50" 24"x72" 411ERS 411ERS						·)
EVICTING	F" SEWER/WASTE LINE 2	<u> </u>				
EXISTING 4	F SEWER/WASTE LINE (2)					
	ANITARY AND GREASE WASTE PLAN					
P-101 3/16"=1'-0"						

SHELVES

STACKED

-GREASE INTERCEPTOR KEPT AT CEILING LEVEL

4"GSAN

KIOSKS 6

KIOSKS 4

GREASE INTERCEPTOR CALCULATIONS PER DEP GUIDELINES 19-11 (GI-1) AS PER TABLE-1

PLUMBING KEY NOTES

NOT ALL SYMBOLS AND ABBREVIATIONS IN THIS

LEGEND WILL APPEAR IN DRAWING.

- 4" SANITARY WASTE PIPING. SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
- 4"VENT UP TO NEW 4"VTR. PC SHALL VERIFY THAT NEW 4"VTR IS INSTALLED 10' FROM ANY MECHANICAL OUTSIDE AIR INTAKE.
- 3/4" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL W/INDIRECT CONNECTION INTO HUB DRAIN.
- (4) CO2 AND SODA LINES RUN OVERHEAD IN CEILING SPACE.
- \bigcirc PROVIDE 2" INDIRECT WASTE FROM 3 COMP SINK & 1-1/2" INDIRECT WASTE FROM ICE MAKER & DISHWASHER TO FLOOR SINK.
- \bigcirc PROVIDE 1-1/2" INDIRECT WASTE FROM 1 COMP SINK TO FLOOR SINK.
- EXTEND CHICKEN CRATE VAT 2"COPPER INDIRECT WASTE LINE THRU COOLER/FREEZER WALL TO DISCHARGE IN HUB DRAIN LOCATED BESIDE WALL.
- 8 ROUTE DRINK STATION DRAINAGE TO FLOOR SINK. PROVIDE DRAIN LINE FROM SELF-SERVE BEVERAGE COUNTER STATION TO FLOOR SINK.
- 1" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL W/INDIRECT CONNECTION INTO HUB DRAIN.
- ALL CW, HW, WASTE AND/OR VENT PIPING IN THIS WALL TO BE MADE OF NON-COMBUSTIBLE MATERIAL.
- PROVIDE 1-1/2" INDIRECT WASTE FROM 2 NO'S HAND SINK & BATTER STATIONS TO FLOOR SINK.
- PROVIDE 1-1/2" INDIRECT WASTE FROM BATTER STATIONS, HAND SINK, ICE MAKER & CHUBB WARMER TO FLOOR SINK.
- (15) ALL SANITARY & GREASE WASTE RUNNING BELOW SLAB.
- 16 DROP PIPING DOWN IN WALL. STUB OUT OF WALL @ 96" AFF INTO GREASE TANK.
- PROVIDE 1-1/2" INDIRECT WASTE FROM ICE MAKER, HAND SINK & BEVERAGE COUNTER STATION TO FLOOR SINK.

PLUMBING FIRST FLOOR SANITARY AND GREASE WASTE PLAN

EXISTING 4" SEWER/WASTE LINE 1

ABOVE CEILING

3"FS-A

A10.U3

A24.U2

3"HD-1

_CODP

GI-1

PLUMBING LEGEND DOMESTIC COLD WATER PIPING EXIST. DOMESTIC COLD WATER DOMESTIC HOT WATER PIPING EXIST. DOMESTIC HOT WATER FILTERED WATER WASTE (SANITARY SEWER) UNDERGROUND WASTE (SANITARY SEWER) →→→→→→→→ INDIRECT WASTE GREASE WASTE — GW — UNDERGROUND GREASE WASTE GAS SOLENOID VALVE GATE VALVE → BALANCING VALVE ———— CHECK VALVE PIPE DOWN FLOOR/HUB DRAIN FLOOR SINK FLOOR/GRADE CLEAN OUT TRENCH DRAIN WALL CLEAN OUT KITCHEN EQUIPMENT ITEM NUMBER FIXTURE DESIGNATION ABOVE FINISHED FLOOR PLUMBING SUB-CONTRACTOR GENERAL CONTRACTOR MECHANICAL SUB-CONTRACTOR ELECTRICAL SUB-CONTRACTOR FLOOR CLEAN OUT GRADE CLEAN OUT WALL HYDRANT FLOOR DRAIN TRENCH DRAIN FLOOR SINK HUB DRAIN COLD WATER HOT WATER TEMPERED WATER FILTERED WATER AIR ADMITTANCE VALVE (STUDOR VENT) TIE INTO EXISTING CLEAN OUT DECK PLATE NOT ALL SYMBOLS AND ABBREVIATIONS IN THIS LEGEND WILL APPEAR IN DRAWING.

PLUMBING KEY NOTES

- TRAP PRIMER VALVE EQUAL TO PRECISION PLUMBING PRODUCTS OREGON-1. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. ROUTE 1/2" TYPE "L" SOFT COPPER TRAP PRIMER LINES DOWN TO BELOW FLOOR TO CONNECTIONS TO FD-B.
- 1-1/2" AUTOMATIC GAS VALVE EXPOSED 6" BELOW CEILING HEIGHT. PROVIDED BY OWNER INSTALLED BY CONTRACTOR. INTERLOCK WITH HOOD SUPRESSION SYSTEM. REDUCE FROM 2" AT INLET, AND INCREASE TO 2" AT OUTLET. PROVIDE 2" UNION ON INLET AND OUTLET.
- 3 PROVIDE TEMPERATURE MIXING VALVE, SET AT 110°, ON ALL HANDSINKS. REFER TO DETAIL 5/P501.00.
- 1-1/2" DOMESTIC WATER SERVICE INTO THE BUILDING WITH IT'S OWN METER. THE TENANT SPACE HAS SUBMETER REFER TO DETAIL 13/P501.00 CONTAINMENT BACKFLOW PREVENTER BY CIVIL.
- EXISTING GAS PIPING RUNS TO ROOF TO HVAC UNIT SEE DETAIL 14/P-501.00. COORDINATE EXACT LOCATION WITH MAU.
- PROVIDE 1/2" WATER SUPPLY TO TRASH ROOM.
- 1/2" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN SUPPLY LINE TO ICE MACHINE AND ALL EQUIPMENT CONNECTING TO FILTERED WATER. LOCATE IN ACCESSIBLE LOCATION.
- (8) EXISTING NATURAL GAS SERVICE LINE, COORDINATE INSTALLATION AND PAY ALL ASSOCIATED FEES. REFER TO GAS LOAD SUMMARY AND GAS RISER DIAGRAM SHEET P-601.00.
- PROVIDE WATTS SD3 DUAL CHECK BACKFLOW PREVENTER IN FILTER SUPPLY LINE TO BEVERAGE AREA OR ICE MACHINE. LOCATE IN ACCESSIBLE LOCATION ABOVE CEILING.
- ALL CW, HW, WASTE AND/OR VENT PIPING IN THIS WALL TO BE MADE OF NON-COMBUSTIBLE MATERIAL.
- 1" HW & CW TO FLOOR MOUNTED ELECTRIC STORAGE WATER HEATER. REFER TO DETAIL 1/P-501.00.
- WATER FILTER MOUNTED ON WALL ABOVE BAG-IN-BOX SYSTEM. STUB-OUT WATER SUPPLY @ 8'-4" A.F.F. SEE DETAIL 2/P-501.00.
- 2½" GAS DOWN, EXPOSED ON WALL. EXTEND UNDER EQUIPMENT TO FINAL CONNECTIONS. PROVIDE PLUG VALVE, REDUCER, AND AGA RATED FLEX SUPPLY AT CONNECTION.
- 34" WATTS NO.9 DUAL CHECK BACKFLOW PREVENTER INSTALLED VERTICALLY.
- GC TO ENSURE THAT ALL FAUCET HANDLES ARE LEVER TYPE.
- COORDINATE THE FLUSH VALVE HANDLE WITH OPEN SIDE OF THE RESTROOM.

QTY	TAG	DESCRIPTION	WATER		WASTE		GAS		REMARKS
			COLD	НОТ	DIRECT	INDIRECT	SIZE	МВТОН	
	Α	Fryer	<u>'</u>	•					
4	A10.U3	Fryer Battery, 3—20", Gas					0.75	225	
2	A24.U2	Fryer Battery, 2-14", Gas					1.00	180	
1	A35.L	Sink, 1 Compartment, Left Hand Drain Board, 52"	0.50	0.50		1.50			
1	A47.4	Ice Batter/Sifter Table, 4 Pans, 100"Long				0.50			
1	A47.3	Ice Batter/Sifter Table, 3 Pans, 86-1/4"Long				0.50			
2	A54	Freezer, Upright						0	
1	D29	Packing Station w/Cup Dispenser & Dipper Well	0.50		2.00			0	
1	D40	Sink, 3 Compartment, 100" Long, KTOF DISH SINK	0.50	0.50	2.00			0	
3	D70	Dispenser, Hot Water w/Wall Bracket	0.25					0	
2	D81	Chubb Warmer, Elec. Rethermalizer	0.25			1.50		0	
1	K10	Ice Cuber Self Contained, w/ Mounting Install kit	.375			0.5		0	
1	K15	Ice Bin, 710 lbs				0.75		0	
1	K20	Water Filter, Equipment	0.75					0	
2	K31	Post Mix Drop—In Dispenser, w/conversion stand	.375			0.75		0	
3	N10	Hand Sink, w/ Hand Free Lever	0.50	0.50	1.50			0	
2	N20	Mop Sink	0.50	0.50	3.00			0	

0.50 0.50 2.00

PLUMBING SECOND FLOOR WATER AND GAS PLAN

N75 A47.3

EXISTING 3" GAS

RUNS DOWN TO 1ST FLOOR SPACE

® (8)

2" GAS RUNS TO MAU @ ROOF

EXISTING 3" GAS

KIOSKS 4

RUN TO ROOF

N10

K10

LOCKERS

BALANCING VALVE (TYP.)

DUMBWAITER 🖂

4 N10 3

EXISTING 3" GAS STUB IN CEILING

GAS PIPE SIZING - SERVICE TO END OF BUILDING - 0.5 PSIG

244

366

704

1120

1980

4050

LENGTH: 166 FT FITTINGS FACTOR: 1.5 EQUIVALENT TOTAL LENGTH TO METER: 250' TOTAL DEMAND = 1729 CFH LOW PRESSURE DELIVERY PRESSURE = LESS THAN 2 PSIG PRESSURE DROP = 0.5 PSIG PIPE: STEEL (SCHD. 40) CAPACITY OF PIPES IN CFH PER TABLE 402.4(2), 2014 NC FUEL GAS CODE: <u>CFH OF GAS</u>

FRYER'S GAS PRESSURE REQ. WATER COLUMN

TOTAL LENGTH TO FURTHEST APPLIANCE = 250'

G.C. TO VERIFY READINGS WHEN CHECKING SYSTEM.

7" INPUT SIDE. 4" OUTPUT SIDE.

> GAS PIPING IS SIZED FOR 0.5 PSIG PIPE SIZES ARE BASE ON SCHEDULE 40 PIPE. CONTRACTOR SHALL VERIFY THE

1 N100 Hand Wash Through 60"

FOLLOWING PRIOR TO INSTALLATION:

- SERVICE PRESSURE

on the plan.

- LONGEST RUN LENGTH OF PIPE FROM APPLIANCE TO METER NOTIFY ENGINEER IN WRITING IF

CONDITIONS DIFFER FROM THOSE SHOWN

GAS LOAD SUMMARY DESCRIPTION GAS LOAD (BTUH) KITCHEN EQUIPMENT 1260,000 BUILDING HEATING 469,000 1729,000 BTUH @ 7.5" W.C. TOTAL GAS LOAD DELIVERY PRESSURE

PLUMBING FIRST FLOOR WATER AND GAS PLAN