

PLUMBING FIXTURE SCHEDULE										
NO	FIXTURE	MANUFACTURER	MODEL	TYPE	TRIM	REMARKS	CONNECTIONS			
							CW	HW	W	TRAP
WC-1	WALL HUNG WATER CLOSET	KOHLER	K-4325-0 KINGSTON WALL MOUNTED 1/28 GPF TOILET	WALL HUNG, WHITE, ELONGATED BOWL WITH OPEN FRONT SEAT 1/28 GPF	FLUSH VALVE KOHLER TRIPPOINT K-7531-1 ELECTRONIC INFRARED SENSOR ACTIVATION & SLOW CLOSE PISTON TECHNOLOGY. SEAT KOHLER STRONGHOLD K-4731-GC-0		1"	-	4"	INTEGRAL
WC-1A	ADA ACCESSIBLE WALL HUNG WATER CLOSET	KOHLER	K-4325-0 KINGSTON WALL MOUNTED 1/28 GPF TOILET	WALL HUNG, WHITE, ELONGATED BOWL WITH OPEN FRONT SEAT 1/28 GPF	FLUSH VALVE KOHLER TRIPPOINT K-7531-1 ELECTRONIC INFRARED SENSOR ACTIVATION & SLOW CLOSE PISTON TECHNOLOGY. SEAT KOHLER STRONGHOLD K-4731-GC-0	WC-2A- ADA ACCESSIBLE WATER CLOSET MOUNTING HEIGHT 17" TO LIP OF FIXTURE	1"	-	4"	INTEGRAL
WC-2	FLOOR MOUNTED TANK TYPE WATER CLOSET	KOHLER	K-3950 TRESHAM TWO PIECE TANK TYPE, FLOOR MOUNTED TOILET	WHITE, ELONGATED BOWL, 12" ROUGH WATER CLOSET 1/28 GPF, CLOSED FRONT SEAT W/COVER	INTEGRAL AQUA PISTON FLUSH ENGINE, TRIP LEVER OPERATION, QUIET CLOSE ELONGATED TOILET SEAT W/ILD KOHLER K-4036, CHROME X TURN SUPPLY		1/2"	-	4"	INTEGRAL
WC-2A	ADA ACCESSIBLE FLOOR MOUNTED TANK TYPE WATER CLOSET	KOHLER	K-3950 TRESHAM TWO PIECE TANK TYPE, FLOOR MOUNTED TOILET	FLOOR MOUNTED, WHITE, ELONGATED BOWL, TWO PIECE 12" ROUGH WATER CLOSET 1/28 GPF	INTEGRAL AQUA PISTON FLUSH ENGINE, TRIP LEVER OPERATION, SLOW CLOSE ELONGATED TOILET SEAT W/ILD KOHLER K-4036, CHROME X TURN SUPPLY		1/2"	-	4"	INTEGRAL
UR-1	WALL HUNG URINAL	KOHLER	K-5244-E1 STEWARD WALL MOUNTED 1/8 CP/MFLUSH URINAL	WALL HUNG WHITE VITREOUS CHINA URINAL, W/ WALL HANGERS & 1/8 GPF FLUSHOMETER	FLUSH VALVE KOHLER TRIPPOINT K-10949-SV ELECTRONIC INFRARED SENSOR ACTIVATION & SLOW CLOSE TECHNOLOGY, 1/8 GPM/FLUSH		3/4"	-	2"	INTEGRAL
UR-1A	ADA ACCESSIBLE WALL HUNG URINAL	KOHLER	K-5244-E1 STEWARD WALL MOUNTED 1/8 CP/MFLUSH URINAL	WALL HUNG WHITE VITREOUS CHINA URINAL, W/ WALL HANGERS & 1/8 GPF FLUSHOMETER	FLUSH VALVE KOHLER TRIPPOINT K-10949-SV ELECTRONIC INFRARED SENSOR ACTIVATION & SLOW CLOSE TECHNOLOGY, 1/8 GPM/FLUSH	UR-1A - ADA ACCESSIBLE URINAL MOUNTING HEIGHT 17" TO LIP OF FIXTURE	3/4"	-	2"	INTEGRAL
LAV-1	LAVATORY	KOHLER	VERTICYCLE RECTANGLE K-2862	WHITE VITREOUS CHINA UNDER MOUNT SINK W/FRONT OVERFLOW DRAIN - NO FAUCET HOLES	KOHLER COMPOSED K-7306-4 8" SPREAD LEVER HANDLE DECK MOUNTED FAUCET W/POP-UP DRAIN LIFT ROD & TAILPIECE, MATTE BLACK FINISH K-8988-CP 1" TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	PROVIDE TRAP WRAP ON ALL LAV TRAPS IN PUBLIC REST ROOMS	1/2"	1/2"	1 1/2"	P
LAV-2	LAVATORY	KOHLER	VERTICYCLE RECTANGLE K-2862	WHITE FIRE CLAY PEDESTAL SINK W/FRONT OVERFLOW DRAIN - 7 FAUCET HOLES & BRASS POLISHED CHROME LEGS, SHELF & SIDE RAILS	KOHLER K-14410-4 BL LEVER HANDLE DECK MOUNTED FAUCET W/POP-UP DRAIN LIFT ROD & TAILPIECE, MATTE BLACK FINISH 1/2" X 1/2" 1" TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	PROVIDE TRAP WRAP ON ALL LAV TRAPS IN PUBLIC REST ROOMS	1/2"	1/2"	1 1/2"	P
LAV-3	LAVATORY	KOHLER	VERTICYCLE RECTANGLE K-2862	WHITE VITREOUS CHINA UNDER MOUNT SINK W/FRONT OVERFLOW DRAIN - NO FAUCET HOLES	KOHLER PURIST K-14410-4 8" SPREAD LEVER HANDLE DECK MOUNTED FAUCET W/POP-UP DRAIN LIFT ROD & TAILPIECE, MATTE BLACK FINISH 1/2" X 1/2" 1" TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	PROVIDE TRAP WRAP ON ALL LAV TRAPS IN ADA ACCESSIBLE ROOMS	1/2"	1/2"	1 1/2"	P
SK-1	SINK	KOHLER	WHITEHAVEN K-6489	WHITE ENAMELED CAST IRON UNDERMOUNT SINK W/OFFSET DRAIN	KOHLER PURIST K-7547 8" SPREAD LEVER HANDLE DECK MOUNTED FAUCET, MATTE BLACK FINISH 1/2" P TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	SINK STRAINER - KOHLER K-8801-CP	1/2"	1/2"	1 1/2"	P
SK-2	SINK	KOHLER	VAULT K-3822-1	STAINLESS STEEL 18 GA UNDER MOUNT SINGLE BOWL SINK W/CENTER DRAIN	KOHLER PURIST K-7505 SINGLE LEVER DECK MOUNTED FAUCET, MATTE BLACK FINISH 1/2" P TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	SINK STRAINER - KOHLER K-8801-CP	1/2"	1/2"	1 1/2"	P
SK-3	SINK	KOHLER	CANTON 17" UNDERMOUNT SINK W/COVERFLOW	17" OVAL VITREOUS CHINA UNDER MOUNT SINGLE BOWL SINK W/CENTER DRAIN & OVERFLOW	KOHLER PURIST K-7505 SINGLE LEVER DECK MOUNTED FAUCET W/3 FUNCTION, PULL OUT SPRAYHEAD, MATTE BLACK FINISH 1/2" P TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	SINK STRAINER - KOHLER K-8801-CP	1/2"	1/2"	1 1/2"	P
SK-4	SINK	ELKAY	DLR191910	STAINLESS STEEL 18 GA UNDER MOUNT SINGLE BOWL SINK W/CENTER DRAIN	ELKAY LXD2437 GOOSENECK FAUCET WITH W/FRIST BLADE HANDLES AND STRAINER DRAIN WITH TAILPIECE & 1-1/2" 1" TRAP W/CLEAN OUT & CHROME X TURN SUPPLIES	SINK STRAINER - KOHLER K-8801-CP	1/2"	1/2"	1 1/2"	P
MR-1	MOP RECEPTOR	FIAT	MSB-2424	24 X 24 X 10" HIGH FLOOR MOUNTED MOLDED STONE BASIN	FAUCET "FIAT" 830-AA WALL MOUNTED WITH VACUUM BREAKER, DRAIN "TAS" B-0665-BSTP DOMIC STRAINER AND LIFT BASEKIT	MOP RACK ABOVE AND STAINLESS STEEL WALL PANELS BEHIND 2 SIDES	1/2"	1/2"	3"	P
SH-1	SHOWER	KOHLER	PURIST RITE-TEMP K-114501-A, K-8825, K-10257-A, K-976 & K-9414 SEAL RAIN OVER HEAD PANEL & TRIM W/INDIVIDUAL RITE-TEMP VALVE & TRIM, DELUGE DIVERTER W/PERMITSUBSTITUTION K-76728,K-76732, K-7514242-A,K-76746 & K-76748	GC CONSTRUCTED SHOWER BOX PC TO ROUGH IN AND INSTALL BRASS AS SCHEDULED	2.5 GPM SHOWER HEAD, ARM, FLANGE AND PRESSURE BALANCE SHOWER VALVE, 30" SLIDE BAR W/HAND HELD SHOWER, FLEX HOSE & WALL OUTLET ALL IN MATTE BLACK, SHOWER DRAIN, JR SMITH MODEL No 2005-802 W/ NO SQUARE TOP	SHOWER BASIN & WALLS BY GC, SHOWER DRAIN J R SMITH 2005-UDC TOP FINISH NICKEL BRONZE	1/2"	1/2"	2"	P
BT-1	BATH TUB	KOHLER	UNDERSCORE 6030 ACROLIC TUB K-7211-0	KOHLER "PURIST" K-114420-4 BATH & SHOWER TRIM, CLEAR/LO BRASS SLOTTED OVERFLOW BATH DRAIN K-7271-BL ALL IN MATTE BLACK	KOHLER "PURIST" K-114420-4 BATH & SHOWER TRIM, CLEAR/LO BRASS SLOTTED OVERFLOW BATH DRAIN K-7271-BL ALL IN MATTE BLACK		1/2"	1/2"	1 1/2"	P
FD	FLOOR DRAIN	J.R. SMITH	2005	DUCCO CAST IRON BODY WITH FLASHING COLLAR	ADJUSTABLE STRAINER WITH P ROUND OR SQUARE, NO GRATE (TOP TO SUIT FLOOR PATTERN)	4" DEEP SEAL TRAP	1/2"	-	3"	P
FD-1	FLOOR DRAIN	J.R. SMITH	2131	DUCCO CAST IRON BODY WITH FLASHING COLLAR	12" Ø MEDIUM DUTY DUCCO CST IRON STRAINER	4" DEEP SEAL TRAP	1/2"	-	3"	P
FS-1	FLOOR SINK	JOSAM	3009	2" SQUARE SS SAN-CEPT W/1/2 GRATE AND SEDIMENT BUCKET	JMT COMPLETE W/SEEPAGE CONTROL HOLES,ANCHOR FLANGE AND FLASHING CLAMP	4" DEEP SEAL TRAP	-	-	4"	P
FFD-1	FUNNEL FLOOR DRAIN	J.R. SMITH	2131-3581	DUCCO CAST IRON BODY WITH FLASHING COLLAR	12" Ø MEDIUM DUTY DUCCO CST IRON STRAINER W/ #3581 FUNNEL ASSEMBLY ATTACHED	4" DEEP SEAL TRAP	1/2"	-	3" OR 4" AS JUSTED	P
WHA-1	WATER HAMMER ARRESTER	J.R. SMITH	5030 "HYDROTRQL"	STAINLESS STEEL	MOUNTED VERTICALLY ON SUPPLY PIPE		-	-	-	
NFB-1	NON-FREEZE HOSE BIBB	J.R. SMITH	5509TQT	S.S. BOX TYPE WITH CONCEALED 1/4" HOSE CONNECTION	1/4 TURN NON-FREEZE HYDRANT, REYLESS, POLISH BRONZE		3/4"	-	-	
HB-1	HOSE BIBB	NBCO	73-CL	MULTI-TURN BOILER DRAIN VALVE WHOSE THREAD OUTLET			3/4"	-	-	
H&C W HB	HOT & COLD WATER HOSE BIBB	T&S BRASS	MV-0771-12N-BVT	WASH-DOWN STATION W/ 3/4" MIXING VALVE, THERMOMETER TEE & HOSE HOLDER			3/4"	3/4"	-	
TP	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	P1-500	PRIME-RITE TRAP PRIMER VALVE	PROVIDE DISTRIBUTION HEAD D/4" AS REQUIRED FOR MULTIPLE TRAPS		1/2"	-	-	
TP-1	ELECTRONIC TRAP PRIMER	PRECISION PLUMBING PRODUCTS	PTS-4	PRIME-RITE ELECTRONIC TRAP PRIMER VALVE			1/2"	-	-	
RD	ROOF DRAIN	J.R. SMITH	101SERC	DUCCO CAST IRON BODY WITH ADJUSTABLE EXTENSION SLEEVE, FLASHING CLAMP, SUMP RECEIVER, GRAVEL STOP AND POLYETHYLENE DOME		REFER TO PLANS FOR SIZES				
RDD	ROOF OVERFLOW DRAIN	J.R. SMITH	1017ERC	DUCCO CAST IRON BODY WITH ADJUSTABLE EXTENSION SLEEVE, FLASHING CLAMP, SUMP RECEIVER, GRAVEL STOP INTEGRAL STANDPIPE AND POLYETHYLENE DOME		REFER TO PLANS FOR SIZES				
PDD	PROMENADE DECK DRAIN	J.R. SMITH	DX1240	DUCCO CAST IRON WIDE FLANGE BODY WITH SAFETY SET BUCKET & FLASHING CLAMP		REFER TO PLANS FOR SIZES				
AD	AREA DRAIN	J.R. SMITH	2410	DUCCO CAST IRON BODY WITH HINGED GALVANIZED CAST IRON GRATE, LOCKING DEVICE AND SEDIMENT BUCKET		REFER TO PLANS FOR SIZES				P
AD-1	AREA DRAIN	J.R. SMITH	2420			REFER TO PLANS FOR SIZES				P

PLUMBING FIXTURE SCHEDULE NOTES :

- 1- THE NAME AND MODEL NUMBER ARE USED TO ESTABLISH THE STANDARD OF QUALITY UNLESS OTHERWISE NOTED :
 - a- FIXTURES ARE TO BE BLACK, VITREOUS CHINA.
 - b- HAVE CHROME PLATED SUPPLIES.
 - c- PROVIDE STOPS ON ALL FIXTURES.
 - d- BE OF THE WATER SAVER VARIETY.
 - e- SINKS TO HAVE BASKET STRAINERS.
- * WATER CONNECTION ON PRIMED TRAPS ONLY


PIPE INSULATION SCHEDULE						
SERVICE	MANUFACTURE	TYPE	VAPOR BARRIER	INSULATION THICKNESS	REMARKS	
DOMESTIC COLD WATER	OWENS CORNING	FIBERGLASS	YES	1/2" : FOR RUNOUTS UP TO 1" 1" : FOR PIPES 1" TO 2" 1 1/2" : FOR PIPES OVER 2"	* RUNOUTS NOT TO EXCEED 12 FEET IN LENGTH	
DOMESTIC HOT WATER	OWENS CORNING	FIBERGLASS	YES	1/2" : FOR RUNOUTS UP TO 1" 1" : FOR PIPES 1" TO 2" 1 1/2" : FOR PIPES OVER 2"	* RUNOUTS NOT TO EXCEED 12 FEET IN LENGTH	
DOMESTIC HOT WATER RETURN	OWENS CORNING	FIBERGLASS	YES	1/2" : FOR ALL SIZES		
HORIZONTAL RAIN WATER	OWENS CORNING	FIBERGLASS	YES	1" : FOR ALL SIZES		

PIPE & FITTING SCHEDULE							
SYSTEM	PIPE SIZE	LOCATION	MATERIAL	SCHEDULE OR TYPE	FITTING	JOINT	REMARKS
SANITARY	ALL	BELOW GRADE/GROUND	CAST IRON	SERVICE WEIGHT	CAST IRON	BELL & SPIGOT	
		ABOVE GRADE/GROUND	CAST IRON	SERVICE WEIGHT	CAST IRON	NO HUB	
SANITARY VENT	ALL	ABOVE GRADE/GROUND	CAST IRON	SERVICE WEIGHT	CAST IRON	NO HUB	
RAIN WATER	ALL	BELOW GRADE/GROUND	CAST IRON	SERVICE WEIGHT	CAST IRON	BELL & SPIGOT	INSULATE ALL HORIZONTAL RAIN WATER CONDUCTORS IN CEILING ABOVE
		ABOVE GRADE/GROUND	CAST IRON	SERVICE WEIGHT	CAST IRON	NO HUB	
DOMESTIC COLD WATER	ALL	ABOVE GRADE/GROUND	COPPER	TYPE "L"	COPPER	SOLDERED	95% TIN & 5% ANTIMONY
DOMESTIC HOT WATER	ALL	ABOVE GRADE/GROUND	COPPER	TYPE "L"	COPPER	SOLDERED	95% TIN & 5% ANTIMONY
DOMESTIC HOT WATER RETURN	ALL	ABOVE GRADE/GROUND	COPPER	TYPE "L"	COPPER	SOLDERED	95% TIN & 5% ANTIMONY
NATURAL GAS	ALL	ABOVE GRADE/GROUND	BLACK STEEL	40	CAST IRON	LOW PRESSURE - SCREWED LESS THAN 2" HIGH PRESSURE - WELDED ALL SIZES	IN ACCORDANCE WITH NFPA 54

NOTE : ALL EXPOSED SANITARY PIPING BELOW PLUMBING FIXTURES SHALL BE CHROME PLATED BRASS.

PUMP SCHEDULE													
PUMP NO.	LOCATION	SERVICE	SIZE (IN.)		TYPE	GPM	HEAD FT. WATER	RPM	MOTOR HP	ELECTRICAL			REMARKS
			SUCTION	DISCHARGE						VOLTS	PHASE	HZ	
PHWR	MECHANICAL ROOM 321	HOT WATER RECIRC PUMP	2"	2"	INLINE	60	30'	3200	1	208	1	60	"B&O" MODEL XL 40-200"
PDW-1	MECHANICAL ROOM 321	HOT WATER RECIRC PUMP	4"	4"	BASE MOUNT	304	30'	3467	10	460	3	60	"GRUNDFOSS CRN 64-11-A-G-E-HQDE"
PDW-2	MECHANICAL ROOM 321	HOT WATER RECIRC PUMP											
PIE-1	ELEV PIT	ELEV PIT			1 1/2"	SUBMERSIBLE	50	35'	1	208	1	60	LIBERTY "FL-102A"

PUMP PIE1 SHALL HAVE BUILT-IN THERMAL PROTECTION, INTEGRAL SUCTION STRAINER AND INTEGRAL FLOAT SWITCH, WITH 3 PRONG PLUG CONNECTED TO EMERGENCY RECEPTACLE. PROVIDE A 1W-USE ALARM WITH HORN, THREE (3) LIGHTS, SILENCER SWITCH AND THREE (3) AUXILIARY CONTACT FOR REMOTE SIGNAL TO DDC OR BUILDING MANAGEMENT SYSTEM. MOUNT PANEL IN A LOCATION AS DIRECTED BY OWNER. TEST PUMP PERIODICALLY TO MAINTAIN OPTIMUM PERFORMANCE.

GAS-FIRED WATER HEATER SCHEDULE																
NO.	SERVICE	LOCATION	TYPE	BTUH INPUT	RECOVERY GPH	WATER TEMP.		DIM.	FLUE SIZE	INTAKE SIZE	ELECTRICAL INFORMATION				REMARKS	BASIS OF DESIGN
						ENT. °F	LVG. °F				POWER	FLA	MCA	MGP		
WH 1	BUILDING	MECH. RM. 321	VOLUME WATER HEATER	1,999.9 MBH	2281	40	140	38"x30"x80" H	8"	8"	480/360	3.5 A	4.4 A	15 A		(2) BRADFORD WHITE "BMG/2000NOXBW" 
WH 2																

- NOTE:
1. PROVIDE AN "X100M" MODEL A2123803 NEUTRALIZING CARTRIDGE PER WATER HEATER TO BE INSTALLED IN TCONDENSAT/DISCHARGE LINE FROM EACH HEATER.
 2. EACH WATER HEATER SHALL HAVE A MINIMAL 210 GALLON ASBESTATE HORIZONTAL INSULATED STORAGE TANK W/ DOUBLE VITRAGLAS LINING. TANK SHALL HAVE INLET, OUTLET AND DRAIN CONNECTIONS AS WELL AS A HANDHOLE AND ANODE ROD. UNIT SHALL BE EQUAL TO BRADFORD WHITE MODEL NH 5042201. PROVIDE THERMOMETRES AND PRESSURE GAUGES AS INDICATED.

GREASE INTERCEPTOR CALCULATION:

3 POT SINK 24" x 24" x 14"D = 8.054 CU. IN. x 3 COMPARTMENTS = 24,162 CU. IN.
24,162 CU. IN. x .75 (75 %/IN.) = TOTAL CAPACITY = 18,144 CU. IN. / 231 = 79 GALLONS 79 GALLONS / 2 MINUTETS = 40 GALLONS PER MINUTE

DISH TABLE SINK 20" x 20" x 14"D = 5.600 CU. IN. x 75 (75 %/IN.) OF TOTAL CAPACITY = 4,200 CU. IN. / 231 = 19 GALLONS 19 GALLONS / 2 MINUTETS = 10 GALLONS PER MINUTE

GREASE INTERCEPTOR = J R SMITH 8075GTX RATED FLOW OF 75 GPM & 100# GREASE CAPACITY. PROVIDE VENTED FLOW CONTROL AND OUTLET SHUT-OFF VALVE.

RIVERHOUSE AT Odette's

274 SOUTH RIVER ROAD
NEW HOPE, PA 18938

OWNER/ OPERATOR:
GATEWAY TO NEW HOPE, LLC
274 South River Road
New Hope, PA 18938

ARCHITECT:
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LIGHTING DESIGNER
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SEAL

	ISSUE FOR CONSTRUCTION	02.28.2019
3	COMMISSIONING COMMENTS	01.23.2019
2	PERMIT SET	07.25.2018
1	90% PRICING SET	06.18.2018
MARK	REVISIONS	DATE

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT # 140145.001
FILENAME:
DRAWN: WFW
CHECKED: WFW
DATE: 07/25/18

ISSUE FOR CONSTRUCTION
02-28-2019

SCHEDULES -
PLUMBING

DRAWING

P-10A