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SEAL



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2016.08.05
9011 EDGEWATER BEND
PARKLAND, FLORIDA, 33076



ISSUE:

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08.05.2016

PROJECT: 16-018

Hampton Inn & Suites
New Stanton, PA 15672

OWNER:

Stanton Hospitality LLC
52 Blueberry Lane,
Grove City, PA 16127

No.	Issue Date	Project Status

DATE 2016.08.05

DRAWN BY JP

CHECKED BY GWV

SCALE AS NOTED

PROJECT NO. B4-67-1603

SHEET NAME

SCHEDULES

SHEET NO.

P401

PLUMBING FIXTURE SCHEDULE (APPROVED AND EQUAL)

DWG MARK	FIXTURE TYPE	MANUFACTURER	MODEL	DESCRIPTION	FITTING MODEL & DESCRIPTION									WATER SUPPLY		SANITARY & VENT	
					TRIM & VALVE	SEAT	FAUCET	DRAIN	SHOWER HEAD	MISCELLANEOUS	CW	HW	WASTE	VENT			
TUB-01	BATHTUB GUESTROOM BATHROOM	AMERICAN STANDARD	0263.112(R) OUTLET OR 0263.212(L) OUTLET	*NEW SOLAR BATH FOR ABOVE FLOOR ROUGH INSTALLATION* DIM:60"X30"X16-5/8",BATH WELL DEPTH:13-1/4" WHITE.	KOHLER FAUCETS , FORTE SERIES, VALVE TRIM.MODEL NO: K-T10277-4 CHROME (POLISHED)	-	KOHLER BATH SPOUT 'K-10280-4'	-	KOHLER FAUCETS, MULTI FUNCTION SHOWER HEAD , MODEL NO: K-10240, COLOR:CHROME (POLISHED)		1/2"	1/2"	2"	2"			
SHR-01	SHOWER IN GUESTROOM BATHROOM	MINCEY MARBLE	SP-3260-C/SF	*32" X 60" STANDARD RECTANGULAR SHOWER PAN WITH CENTER DRAIN .	DELTA FAUCET COMPANY, T18224-WS & T-18230-LHD	-	-	-	KOHLER FAUCETS, MULTI FUNCTION SHOWER HEAD , MODEL NO: K-10240, COLOR:CHROME (POLISHED)	K-706029-L CUSTOM LEVITY SHOWER DOOR	1/2"	1/2"	2"	2"			
SHR-02	SHOWER IN ADA GUESTROOM BATHROOM	MINCEY MARBLE	SP-3260-C/SF	*32" X 60" STANDARD RECTANGULAR SHOWER PAN WITH CENTER DRAIN .	DELTA FAUCET COMPANY, T18224-WS & T-18230-LHD	-	HAND SHOWER KIT- MASTER-K8520	-	-	K-706029-L CUSTOM LEVITY SHOWER DOOR	1/2"	1/2"	2"	2"			
LAV-01	LAVATORY IN GUEST ROOM AND ADA GUEST ROOM TOILET	STERLING	442040	WESCOTT UNDER COUNTER LAVATORY VITREOUS CHINA UNDER COUNTER LAVATORY, FRONT OVERFLOW, K-7124-A DRAIN STOPPER WITH OVERFLOW	-	-	KOHLER K-T196, K-8959 FOR ADA	-	-	-	1/2"	1/2"	2"	2"			
LAV-03	SINK IN PUBLIC TOILET	KOHLER	CAXTON K-2210	*VITREOUS CHINA UNDER COUNTER SINK* BOWL:17"x14"x5-1/2"	-	-	SERIN 2064.131	-	-	-	1/2"	1/2"	2"	2"			
SNK-06	3-COMPARTMENT SINK IN PANTRY	TURBO AIR	TSA-3-12-R1	*THREE COMPARTMENT SINK * STAINLESS STEEL COMPARTMENT DIM:18"x18"x12 INCHES	-	-	AMERICAN STANDARD, 7385.00RB.002, FAUCET,CHROME (POLISHED)	-	-	-	1/2"	1/2"	2"	2"			
HAND SINK	SINK IN PANTRY	ADVANCE TABCO	7-PS-EC	*ADVANCE TABCO 7-PS-EC-X ECONOMY HAND SINK WITH SPLASH MOUNT GOOSE NECK FAUCET* : 17 1/4" X 15 1/4" STAINLESS STEEL	-	-	O.C. ECONOMY SPLASH MOUNT GOOSE NECK FAUCET, CHROME PLATED &FURNISHED WITH AERATOR	-	-	-	1/2"	1/2"	2"	2"			
SNK-03	SINK IN EMP.LOUNGE	ELKAY	ESSB250C	SERVICE SINK, WALL MOUNTED, STAINNLESS STEEL	-	-	ELKAY SERIES MODEL NO:LK907BR03L2H	-	-	-	1/2"	1/2"	2"	2"			
DF	DRINKING FOUNTAIN	ELKAY	EZTL8	STAINLESS STEEL BASIN WITH INTEGRAL DRAIN EASY TOUCH PUSH BAR ACTIVATION.	-	-	-	-	-	-	1/2"	-	2"	-			
WCL-01	WATER CLOSET TANK TYPE GUESTROOM BATHROOM	AMERICAN STANDARD	211AA.104	*VITREOUS CHINA CHAMPION PRO RIGHT HEIGHT ELONGATED TOILET*. SIZE: 30-1/4"x19"x30-7/8" FLOOR MOUNTED, WHITE	-	-	AMERICAN STANDARD, 5325.010" ELONGATED CHAMPION SLOW CLOSE SOLID PLASTIC SEAT AND COVER	-	-	-	1/2"	-	4"	2"			
WCL-02	WATER CLOSET TANK TYPE ADA-GUESTROOM BATHROOM	AMERICAN STANDARD	211AA.104	*VITREOUS CHINA CHAMPION PRO RIGHT HEIGHT ELONGATED TOILET*. SIZE: 30-1/4"x19"x30-7/8" FLOOR MOUNTED, WHITE	-	-	AMERICAN STANDARD, 5325.010" ELONGATED CHAMPION SLOW CLOSE SOLID PLASTIC SEAT AND COVER	-	-	-	1/2"	-	4"	2"			
WCL-03	WATER CLOSET FLUSH TYPE PUBLIC RESTROOM	AMERICAN STANDARD	3351.711	*WALL HUNG 1.1 GPF FLUSHOMETER TOILET SYSTEM WITH EVRCLEAN* SIZE: 26"x14"x15" WALL MOUNTED, VITREOUS CHINA.	-	-	AMERICAN STANDARD, 5901.100.020OPEN FRONT W/NO COVER, WHITE	-	-	-	1/2"	-	4"	2"			
URL	URINAL IN PUBLIC RESTROOM	AMERICAN STANDARD	6590001	*WASHBROOK FLOW WISE UNIVERSAL URINAL* VITREOUS CHINA , FLUSH RANGE: 0.1 TO 0.8 GPF	-	-	-	-	-	-	1/2"	-	2"	2"			
CLO-01	FLOOR CLEANOUT	ZURN INDUSTRIES, INC.	ZN-1400-NH	FLOOR CLEAN OUT WITH CARPET CLAMPING FRAME	-	-	-	-	-	-	1/2"	-	2"	2"			
CLO-02	WALL CLEAN OUT	JOSAM, INC.	58600-CO	WALL CLEAN OUT WITH ACCESS COVER, STAINLESS STEEL COVER	-	-	-	-	-	-	1/2"	-	2"	2"			
FD-01	FLOOR DRAIN RESTROOM	JAY R. SMITH MFG. CO.	2005 SERIES	FLOOR DRAIN WITH ADJUSTABLE STRAINER HEADS, NICKEL BRONZE	-	-	-	-	-	-	1/2"	1/2"	3"	-			
FD-02	FLOOR DRAIN POOL EQUIPMENT/ MECH. ROOM/ LAUNDRY	PROVENT SYSTEMS	C-6333-EBTG	TRAP GUARD FLOOR DRAIN WITH RECESS STRAINER	-	-	-	-	-	-	1/2"	1/2"	3"	2"			
		JAY R. SMITH MFG. CO.	2320	FLOOR DRAIN WITH DUCO CAST IRON BODY, MEDIUM DUTY DRAIN WITH TRACTOR GRATE AND 8-1/2" ROUND ADJUSTABLE TOP, NICKEL BRONZE	-	-	-	-	-	-	1/2"	1/2"	3"	2"			
		PROVENT SYSTEMS	C-6331-ETG	MOUNT FLANGE FROM THE TOP WITH GYPCRETE FROM THE BOTTOM WITHOUT USE T-350 STRAINER WHEN DISCHARGING A RELIEF VALVE INTO THE HUB DRAIN	-	-	-	-	-	-	1/2"	1/2"	3"	2"			
LI	LINT INTERCEPTOR IN LAUNDRY	ZURN INDUSTRIES, INC.	Z-1185 SERIES	FABRICATED STEEL WITH GRAY DUCO COATING, DIAMOND PLATE COVER	-	-	-	-	-	-	1/2"	1/2"	3"	2"			
HB	HOSE BIB	ZURN INDUSTRIES, INC.	Z-1305	ANTI-SIPHON, NON-FREEZE, AUTOMATIC DRAINING ENCASED WALL HYDRANT FOR FLUSH INSTALLATION OPTIONAL 3/4" AND 1" HOSE CONNECTION	-	-	-	-	-	-	1/2"	-	-	-			
DW	DISH WASHER IN PANTRY	MEIKO	FV 40.2	HOT WATER SANITIZING UNDER COUNTER DISHWASHER CAPACITY 37 RACKS /HR, 92 DISHES /HR, WITH ROLLER BASE.	-	-	-	-	-	-	-	1/2"	-	-			
WCR	WATER COOLER	ELKAY	LRPBM28C	ELECTRIC WATER COOLER STAINLESS STEEL BI-LEVEL ELKAY-LRPBM28C 7.5 GPH, 325 WATTS	-	-	-	-	-	-	1/2"	1/2"	1/2"	1/2"			

PUMP SCHEDULE

MARK	BP-1,BP-2	CP-1	CP-2	SP-1,SP-2
MANUFACTURER	GRUNDFOS	ARMSTRONG	ARMSTRONG	HYDROMATIC
MODEL NO.	HYDRO MULTI-B/E 2 CME10-2	H65	H32	ODSSHEF4SMI
SIZE	4"	1-1/2"	1"	1-1/4"
TYPE	DUPLEX	INLINE	INLINE	SUBMERSIBLE
SERVICE	DOMESTIC WATER	120"RHW	140"RHW	ELEV. SUMP & SUMP PIT
GPM	200	36	2	55
NPSH TOTAL HEAD(FT.)	43	42	1	18
FLUID TEMP.(F)	40	120	140	-
IMPELLER DIA(')	-	-	-	-
HP	3	1	1/6	1/2
RPM	3450	1800	1800	-
ELECTRICAL (VOLT/PH)	208/3	208/3	120/1	115/1
OPER. WT. (LBS.)	N/A	N/A	N/A	N/A
REMARKS	3	1.3	2.3	-

REMARKS
1. CIRCULATING PUMP FOR GUEST ROOM SYSTEMS (120") AQUASTAT TO START PUMP WHEN TEMP. DROPS BELOW (110") AND STOPS AT 120".
2. CIRCULATING PUMP FOR KITCHEN SYSTEMS (140") AQUASTAT TO START PUMP WHEN TEMP. DROPS BELOW (130") AND STOPS AT 140".

SEWER LOAD SUMMARY

FIXTURE	DFU X NUM	TOTAL
TUB /SHR(GUESTROOM)	2 x 84	168
WCL (GUESTROOM)	3 x 84	252
LAV (GUESTROOM)	2 x 84	168
SNK (GUEST ROOM)	2 x 22	44
WCL (PUBLIC AREAS)	2 x 4	8
UR (PUBLIC AREAS)	2 x 4	8
ICE MACHINE	2 x 3	6
WASHER	3 x 3	9
EWS	2 x 2	4
SERVICE SINK	2 x 2	4
3-COMPARTMENT SINK	3 x 1	3
MOP SINK	2 x 1	2
DW	2 x 1	2
DF	2 x 2	4
FD	2 x 20	40
TOTAL DFU		738

WATER DEMAND SUMMARY

FIXTURE	CWFU X NUM	HWFU X NUM
TUB/SHR (GUESTROOM)	1 x 84	1 x 84
WCL (GUESTROOM)	2.2 x 84	-
LAV (GUESTROOM)	0.5 x 84	0.5 x 84
SNK (GUESTROOM)	0.5 x 22	0.5 x 22
WCL (PUBLIC AREAS)	1.5 x 4	1.5 x 4
UR (PUBLIC AREAS)	5 x 4	-
ICE MACHINE	0.5 x 3	-
WASHER	2.25 x 3	2.25 x 3
EWS	0.5 x 2	-
SERVICE SINK	1 x 2	1 x 2
3-COMPARTMENT SINK	3 x 1	3 x 1
MOP SINK	1 x 1	1 x 1
DW	-	1.4 x 1
DF	0.25 x 2	-
HOSE BIB	2.5 x 10	-
TRAP PRIMER	0.5 x 14	-
TOTAL WSFU	384.55	146.15
TOTAL GPM	101.91	53.88

POINT OF USE GREASE INTERCEPTOR CALCULATIONS

- 3- COMPARTMENT DIMENSION = 48" LENGTH X24" WIDTH X 12" DEEP
- THE VOLUME OF GALLON = (48 x 24 x12)/230 = 59.8 GALLONS (1 GALLON = 231 CUBIC INCHES)
- FOR DRAINAGE LOAD FIXTURE LOAD NORMALLY FILLED TO 75% OF CAPACITY OF WATER.
- THEN TOTAL GALLONS = 59.8 X 0.75 = 44.9 GALLONS
- AS PER 44.9 GALLONS REQUIREMENT WE WOULD LIKE TO PROPOSE THE SHIER MANUFACTURER OF "SCHIER" GB-50 MODEL
- PLEASE REFER TO P102 DETAIL(15) FOR THE POINT OF USE GI MODEL AND SIZES

THERMOSTATIC MIXING VALVE SCHEDULE

MARK	TMV-1
MANUFACTURER	HOLBY
MODEL NO.	1250LT
SIZE	2"
MATERIAL	BRONZE
PRESSURE DROP (PSI)	199
MAXIMUM PRESSURE (PSI)	300 PSI
MAXIMUM TEMPERATURE(F)	120

BACK FLOW PREVENTER SCHEDULE

MARK	BFP-1	BFP-2
MANUFACTURER	WATTS	WATTS
MODEL NO.	957	0070T
SERVICE	BUILDING	ICE MACHINES
TYPE	RED. PRESSURE	DBL. CHECK
SIZE	4"	1/2"
REMARKS	1	2

REMARKS
1. SEE SPECIFICATIONS FOR APPROVED EQUALS.

DOMESTIC WATER HEATER SCHEDULE

MARK	GWH-1,2,3&4
MANUFACTURER	A.O.SMITH
MODEL NO.	BTH-199
TYPE	COMMERCIAL TANK
FUEL	NATURAL GAS
BURNER MOTOR (KW)	-
INPUT (MBH)	199
STORAGE (GAL)	256
RECOVERY AT 100" F (GPH) RISE	256
RELIEF VALVE SETTING (PSI)	100
FUEL SIZE (IN.)	1-1/4"
ELECTRICAL (VOLT/PH)	120V/1P
REMARKS	1,2,3 & 4
REMARKS:	
1. RECOVERY RATE BASED ON 100" F RISE	
2. PROVIDE SIDE WALL DIRECT VENT/SEALED COMBUSTION.	
3. SEE SPECIFICATIONS FOR APPROVED EQUALS.	

LINT INTERCEPTOR SIZING FORMULA

NO. OF WASHING MACHINES = 3
WASTE FLOW RATE = 37 GPM
LINT INTERCEPTOR CAPACITY = NO.OF MACHINES X WASTE FLOW RATE
= 3 x 37= 111 GPM CAPACITY LINT INTERCEPTOR

LINT INTERCEPTOR SCHEDULE

MARK	MANUFACTURER	MODEL	INLET/ OUTLET	MAX. NO OF WASHER	GPM FLOW RATE	DIMENSION IN INCHES					
						BXB	C	D	E	F	
LI-1	ZURN	Z-1185	4"	2	100	33"	28"	25"	4"	34"	