PLUMBING EQUIPMENT SCHEDULE

MARK NO.	SPECIFICATION NAME	MANUFACTURER & MODEL NO.	ELECTRICAL DATA			GAS LOAD (BTU)	CAPACITY	REMARKS
			LOAD	VOLTS	PHASE			
WH-A	WATER HEATER	A.O. SMITH XWH-285	6.5 AMPS	120V	1	285,000	332 GPH RECOVERY @ 100° RISE	-
WH-B	WATER HEATER	A.O. SMITH DSE-20A	28.8 AMPS	208V	1	-	25 GPH RECOVERY @ 100° RISE	-
ST-A	WATER HEATER STORAGE TANK	A.O. SMITH HD-36-400A	-	-	-	-	400 GALLON STORAGE TANK	TERMINATE RELIEF OVER FLOOR DRAIN
ET-A	EXPANSION TANK	AMTROL ST447C	-	-	-	-	53 GALLON WITH 1.0 ACCEPT FACTOR	-
TMV-A	THERMOSTATIC MIXING VALVE	ARMSTRONG DRV-50	-	120V	1	-	94 GPM @ 5 PSI DROP	REFER TO MANUFACTURE RECOMMENDATIONS FOR INSTALLATION
TMV-B	THERMOSTATIC MIXING VALVE (CONCESSION)	LAWLER SERIES 66-25	-	120V	1	-	8 GPM @ 5 PSI DROP	REFER TO MANUFACTURE RECOMMENDATIONS FOR INSTALLATION
CP-A	HOT WATER CIRCULATION PUMP	TACO #113	1/8 HP	120V	1	-	10 GPM @ 20 TDH	CONTROLLED BY AN AQUASTAT 110°F
CP-B	HOT WATER CIRCULATION PUMP	TACO #113	1/8 HP	120V	1	-	10 GPM @ 20 TDH	CONTROLLED BY AN AQUASTAT 140°F
BFP-A / B	BACKFLOW PREVENTER	WILKINS 975XL2 - 2"	-	-	-	-	75 GPM @ 12 PSI DROP/EA	TERMINATE RELIEF PIPING OVER FLOOR DRAIN
BFP-C	BACKFLOW PREVENTER	WILKINS 975XL2 - 1 1/2"	-	-	-	-	30 GPM @ 12 PSI DROP	TERMINATE RELIEF PIPING OVER FLOOR DRAIN
WS-A	DUPLEX WATER SOFTENER	AQUA SYSTEMS GEN II MODEL 1000	-	115V	1	-	98 GPM @ 15 PSI PRESSURE DROP 300,000 / 15 LBS / CUBIC FEET	TERMINATE BACK WASH OVER FLOOR DRAIN

WATER HAMMER ARRESTER SCHEDULE

TYPE	I.P.S.	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS
A	3/4"	1 - 11	5005	W-5	100	P.D.I. CERTIFIED
B	1"	12 - 32	5010	W-10	200	P.D.I. CERTIFIED
C	1"	33 - 60	5020	W-20	300	P.D.I. CERTIFIED
D	1"	61 - 113	5030	W-50	400	P.D.I. CERTIFIED

FIXTURE ROUGH-IN SCHEDULE & MOUNTING HEIGHTS

MARK NO.	FIXTURE DESCRIPTION	CW	HW	TRAP	W	V	MOUNTING HEIGHTS
WC-1	WATER CLOSET - WALL HUNG, FLUSH VALVE	1"	-	INTEGRAL	4"	2"	15" TO SEAT
WC-2	WATER CLOSET - WALL HUNG, FLUSH VALVE, ADA	1"	-	INTEGRAL	4"	2"	15" TO SEAT
WC-3	WATER CLOSET - FLOOR MOUNTED, FLUSH VALVE, ADA	1"	-	INTEGRAL	4"	2"	12" TO SEAT
WC-4	WATER CLOSET - WALL HUNG, FLUSH VALVE, ADA	1"	-	INTEGRAL	4"	2"	17" TO SEAT
UR-1	URINAL - WALL HUNG, FLUSH VALVE	3/4"	-	INTEGRAL	2"	1-1/2"	15" TO RIM
UR-2	URINAL - WALL HUNG, FLUSH VALVE, ADA	3/4"	-	INTEGRAL	2"	1-1/2"	17" TO RIM
UR-3	URINAL - WALL HUNG, FLUSH VALVE	3/4"	-	INTEGRAL	2"	1-1/2"	24" TO RIM
L-1	LAVATORY - WALL HUNG	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	30" TO DECK
L-2	LAVATORY - WALL HUNG, ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	27" TO DECK
L-3	LAVATORY - WALL HUNG, ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	34" TO DECK
HYD-1	WALL HYDRANT	3/4"	-	-	-	-	MOUNT 24" A.F.G.
EWC-1	ELECTRIC WATER COOLER, ADA, WITH BOTTLE FILLER	1/2"	-	1-1/2"	1-1/2"	1-1/2"	27" TO BUBBLER 1
EWC-2	ELECTRIC WATER COOLER	1/2"	-	1-1/2"	1-1/2"	1-1/2"	30" TO BUBBLER
EWC-3	ELECTRIC WATER COOLER, ADA, WITH BOTTLE FILLER	1/2"	-	1-1/2"	1-1/2"	1-1/2"	30" TO BUBBLER
EWC-4	ELECTRIC WATER COOLER	1/2"	-	1-1/2"	1-1/2"	1-1/2"	36" TO BUBBLER
HB-1	HOSE BIBB	1/2"	-	-	-	-	18" ABOVE FINISH FLOOR
WB-1	CLOTHES WASHER BOX	3/4"	3/4"	2"	2"	1-1/2"	48" ABOVE FINISH FLOOR
IMB-1	ICE MAKER BOX	1/2"	-	-	-	-	24" ABOVE FINISH FLOOR
MS-1	MOP SERVICE BASIN	3/4"	3/4"	3"	3"	2"	36" TO FAUCET
SK-1	SINGLE COMPARTMENT COUNTERTOP SINK - ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP
SK-2	SINGLE COMPARTMENT COUNTERTOP SINK - ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP
SK-3	SINGLE COMPARTMENT COUNTERTOP SINK	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP PROVIDE SOLID INTERCEPTOR
SK-4	SINGLE COMPARTMENT COUNTERTOP SINK - ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP PROVIDE SOLID INTERCEPTOR
SK-5	SINGLE COMPARTMENT COUNTERTOP SINK - ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP
SK-6	DOUBLE COMPARTMENT COUNTERTOP SINK - ADA	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"	MOUNT IN COUNTERTOP

CARMEL CLAY SCHOOLS
CARMEL, INDIANA

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PROJECT:
NEW ELEMENTARY SCHOOL FOR CARMEL CLAY SCHOOLS
CARMEL, IN

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the general arrangement of spaces and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the complete performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 12-06-19

ISSUE DATE	DRAWN BY	CHECKED BY
11/19/19	AMB	GAC

DRAWING TITLE:
SCHEDULES - PLUMBING

CERTIFIED BY:
DANIEL E. DIMOND REGISTERED No. PE60910351 STATE OF INDIANA PROFESSIONAL ENGINEER
11/19/2019

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