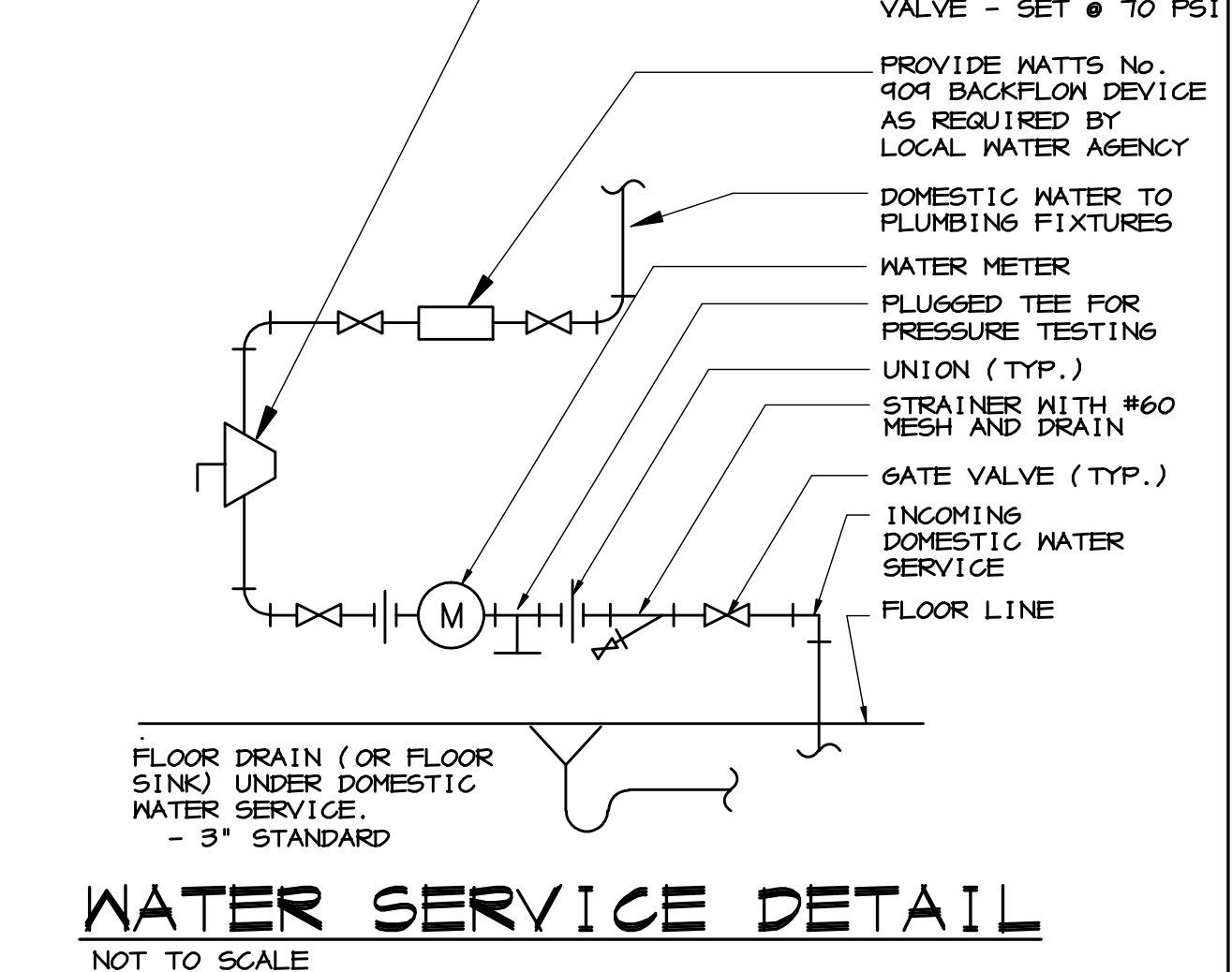
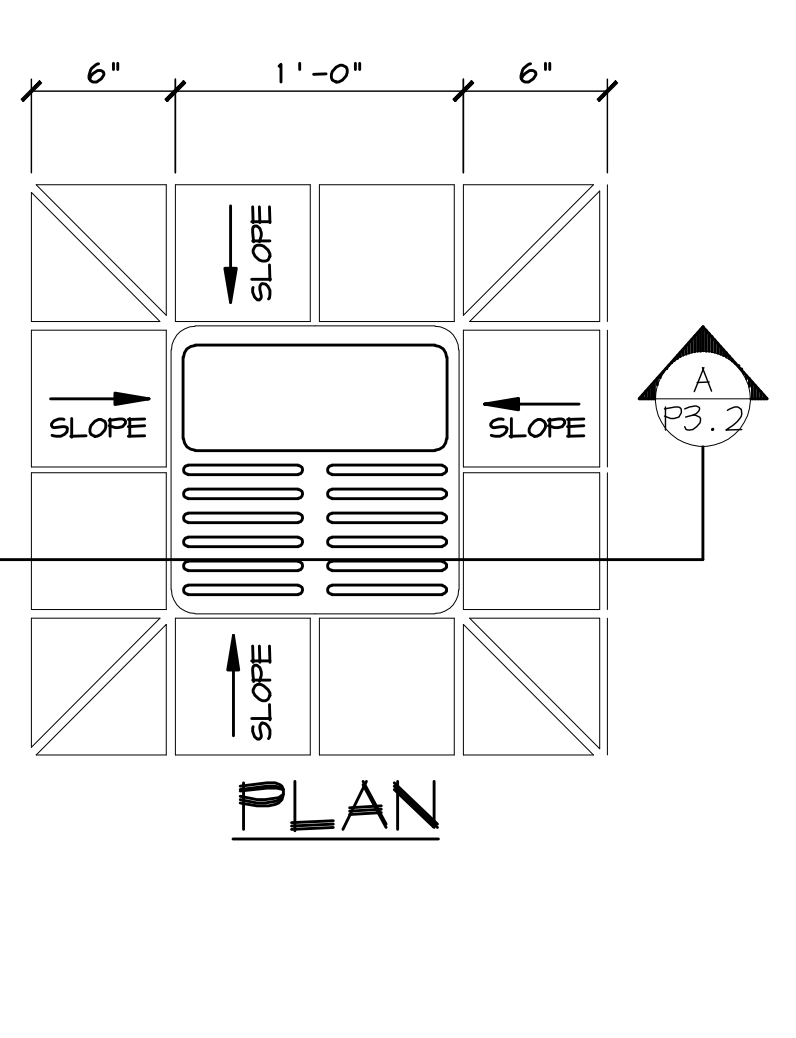
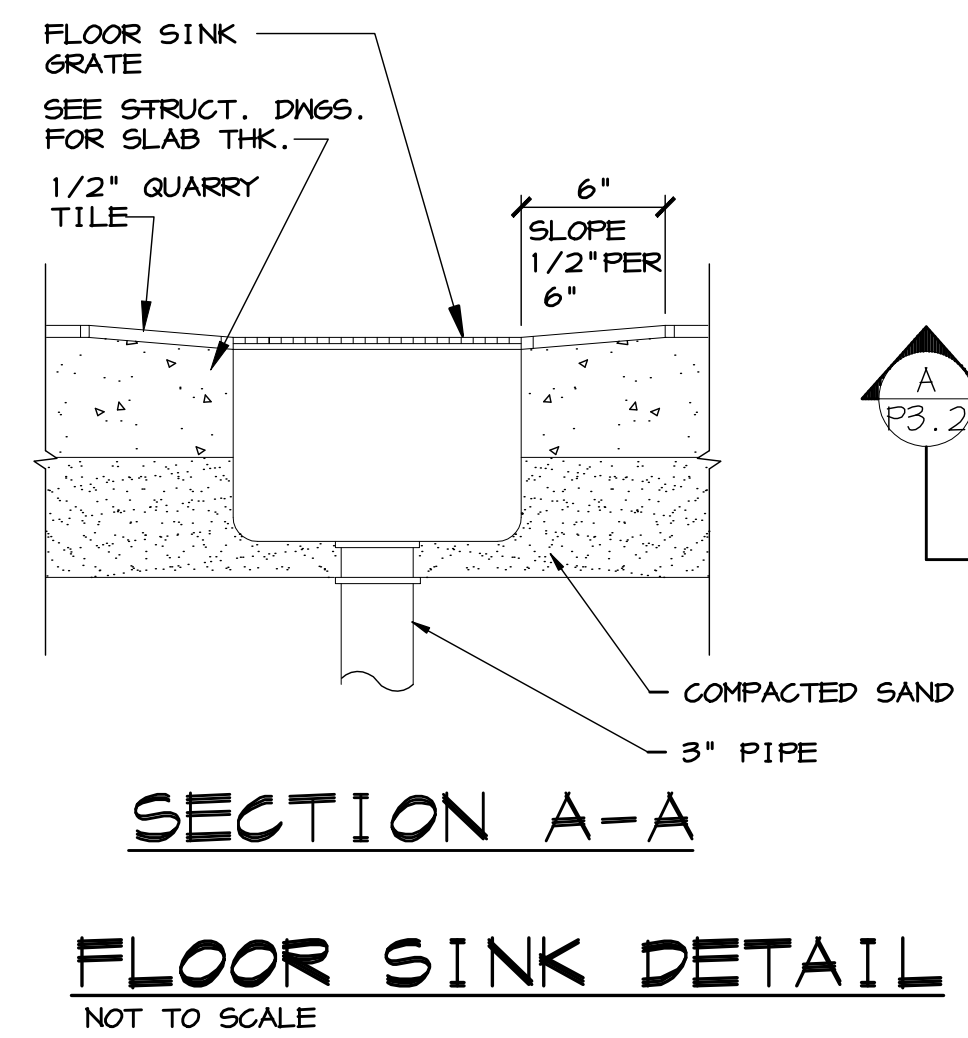


**GENERAL NOTES:**

- SEE PLUMBING RISER DIAGRAMS ON SHEET P3.0 AND P3.1 FOR PIPE SIZES. SEE GAS PIPING PLAN ON SHEET P4.0 FOR GAS PIPE SIZES. OMIT GAS PIPING IF EQUIPMENT IS ALL ELECTRIC.
- ALL WATER AND GAS ROUGH-INS SHALL BE TERMINATED WITH SHUT-OFF VALVES BEFORE CONNECTION TO EQUIPMENT AND FIXTURES.
- ALL DIMENSIONS SHOWN ARE FROM FINISHED FLOORS. MAKE NECESSARY DIMENSIONAL ALLOWANCES.
- PURGE ALL WATER AND GAS LINES PRIOR TO CONNECTION.
- ALL CONTINUOUS SLEEVES SHALL HAVE 30" LONG SNEEP ELBONS. SLEEVE SHALL BE ATTACHED SECURELY TO THE ROOF STRUCTURE BY P.C. SEE SODA SLEEVE ELBOW DETAIL.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND HEALTH CODES.
- EXAMINE CONNECTION DIAGRAMS BEFORE PROCEEDING WITH ANY ROUGH-IN WORK.
- EXTEND ALL CONDENSATE AND INDIRECT DRAINS FOR KITCHEN EQUIPMENT TO FLOOR DRAINS IN BUILDING.
- ALL SLEEVES PENETRATING HEATED TO NON-HEATED AREAS SHALL BE PROPERLY INSULATED AND SEALED TO PREVENT HEAT LOSS AND SEEPAGE.
- ALL WATER LINES ABOVE FLOOR SHALL BE INSULATED WITH 1" THICK EXTERNAL JACKETED INSULATION (MIN. R-VALUE OF 3.5). PROVIDE INSULATION RINGS ON ALL RISERS TO PREVENT BONDING OF SLAB TO PIPE AND TO ALLOW MOVEMENT.
- VACUUM BREAKERS SHALL COMPLY WITH LOCAL CODES. ALL HOSE CONNECTIONS AND OTHER POSSIBLE POINTS OF CROSS CONTAMINATION SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL CODES.
- WHERE POOR SOIL CONDITIONS EXIST OR WHERE SUBSTANTIAL SETTLEMENT OF EITHER THE PIPING, THE BUILDING OR ADJACENT WALKS, PLANTERS, ETC., MAY OCCUR, THE CONTRACTOR SHALL PROVIDE ADEQUATE UNDERSLAB STAINLESS STEEL PIPE HANGERS OR APPROVED OTHER SUPPORT.
- PLUMBING CONTRACTOR SHALL INSTALL CONDENSATE TRAPS ON ALL HVAC UNITS. ALL CONDENSATE TRAPS ARE FURNISHED WITH THE HVAC UNITS.
- IF WATER PRESSURE AT THE INCOMING SERVICE EXCEEDS 80 PSI, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A PRESSURE REDUCING VALVE SET TO 80 PSI AT THE INCOMING SERVICE.
- DO NOT EXTEND OVERHEAD GAS PIPING DOWN UNTIL KITCHEN EQUIPMENT IS IN PLACE. OMIT GAS PIPING IF COOKING EQUIPMENT IS ALL ELECTRIC.
- A MINIMUM OF 20" IS REQUIRED BETWEEN ANY TWO ITEMS PENETRATING THE ROOF DECK.
- BACKFLOW PREVENTOR(S) SHALL BE INSTALLED AS REQUIRED BY LOCAL CODES. IF BACKFLOW PREVENTION IS INSTALLED, THEN A THERMAL EXPANSION TANK MUST ALSO BE INSTALLED AT THE WATER HEATER(S).
- ALL DRAIN, WASTE AND VENT LINES SHALL BE SCHEDULE 40 PVC AS ALLOWED BY CODE. WHERE CODE DOES NOT ALLOW PVC USE TYPE DWV COPPER OR CAST IRON.
- INSTALL CLEANOUTS AT FIXTURES AND OTHER LOCATIONS AS REQUIRED BY LOCAL CODES.
- INSTALL TRAP PRIMERS ON FLOOR DRAINS AS REQUIRED BY LOCAL CODES.
- SEE SITE PLAN FOR THE EXACT SIZE AND LOCATION OF THE EXTERIOR GREASE INTERCEPTOR.
- THE INCOMING WATER SERVICE SHALL BE 2" MINIMUM UNLESS THE RESTAURANT HAS FIRE SPRINKLERS, IN WHICH CASE THE INCOMING WATER SERVICE SHALL BE SIZED BASED ON THE FIRE SPRINKLER CONTRACTOR'S HYDRAULIC CALCULATIONS.
- ALL DOMESTIC SUPPLY WATER PIPING SHALL BE TYPE "L" COPPER.



**PLUMBING FIXTURE SCHEDULE**

TAG	BY	DESCRIPTION	MANUFACTURER	MODEL	ACCESSORIES/COMMENTS
WC-1	PC	STANDARD FLOOR-MOUNT WATER CLOSET	KOHLER	2234.015 MADERA EL 1.6 K-4350 WELCOMME	MANUAL FLUSH VALVE (SEE BELOW) OPEN FRONT SEAT LESS COVER NOY COPS
WC-2	PC	ADA FLOOR-MOUNT WATER CLOSET	AMERICAN STANDARD KOHLER	2305.100 MADERA EL 1.6 K-4302 HIGHCREST 111-2125 SIGNATURE 1.6	MANUAL FLUSH VALVE (SEE BELOW) OPEN FRONT SEAT LESS COVER NOY COPS
UR-1	PC	ADA WALL-HUNG URINAL	AMERICAN STANDARD KOHLER	6501.010 WASHBROOK K-4960-ET BARDON SUPERIOR 161-1030 CORRECTO	MANUAL FLUSH VALVE (SEE BELOW) TYPE 8 URINAL, COVER WITH CONCEALED ARM AND THE ROD
LAV-1	PC	VANITY TYPE LAVATORY	CORIAN	BY GENERAL CONTRACTOR	RETURNING TYPE FAUCET (SEE BELOW) 1/2" NPS CHROME-PLATED COPPER WITH STOPS 3/4" NPS CHROME-PLATED CAST-BRASS P-TRAP AND COMPLIANT PROTECTIVE SHIELDING GUARD
LAV-2	PC	WALL-HUNG LAVATORY	AMERICAN STANDARD KOHLER	0124.131 COMRADE K-2032 GREENWICH 051-1308 BLAIR	RETURNING TYPE FAUCET (SEE BELOW) 1/2" NPS CHROME-PLATED COPPER WITH STOPS 3/4" NPS CHROME-PLATED CAST-BRASS P-TRAP AND COMPLIANT PROTECTIVE SHIELDING GUARD
FD-1	PC	FLOOR DRAIN WITH ROUND FUNNEL	ZURN JOSAM	Z415H-3 3/4 Z-328 30003-E2-2 1103-STD-6-EF4	TYPE 1 LAVATORY COVER WITH CONCEALED ARM AND THE ROD 3/4" NPS SIZE 1/2" NICKEL-BRONZE FINISH
FD-2	PC	FLOOR DRAIN	ZURN JOSAM	Z415H-3 30003-6A-2	3/4" NICKEL-BRONZE FINISH STRAINER 3/4" NPS SIZE
FD-3	PC	FLOOR DRAIN WITH OVAL FUNNEL	ZURN JOSAM	Z415H-4 1/2 Z-329 30004-E3-2	3/4" NICKEL-BRONZE FINISH STRAINER 3/4" NPS SIZE 30" DIA. NICKEL-BRONZE FINISH
FD-4	PC	FLOOR DRAIN	ZURN	Z415H-4	3/4" NICKEL-BRONZE FINISH STRAINER 3/4" NPS SIZE
FS-1	PC	FLOOR SINK	ZURN JOSAM	Z1901-2-3 49053AS-3 9143-15	13"X12"X10" WITH 1/2" THICK NICKEL-BRONZE GRADE 3/4" NPS SIZE ALUMINUM ROSE STRAINER
HB-1	PC	AUTOMATIC DRAINING, FREEZELESS, ANTI-SPIROR WALL HYDRANT	WOODFORD	65C	
HB-2	PC	ANTI-SPIROR GLASS-COUPLED WALL HYDRANT	WOODFORD	84C	
HB-3	PC	FREEZELESS PORT TAP HYDRANT	FIAT	134	
MS-1	PC	MOP SINK	FLORESTONE SWAN	MSB-2424 MSR2424 MS2424	FAUCET WITH INTEGRAL VACUUM BREAKER (SEE BELOW) GND WITH 2" NPS OUTLET 1/2" P-TRAP
HS-1	PC	STAINLESS STEEL HAND SINK	ELKAY	CHS1716	MANUAL VALVE FAUCET (SEE BELOW) 1/2" NPS CHROME-PLATED COPPER WITH STOPS 3/4" NPS CHROME-PLATED CAST-BRASS P-TRAP AND COMPLIANT PROTECTIVE SHIELDING GUARD TYPE 8 CARRIER, HANDLE AND BEARING PLATES AND THE ROD
KS-1	KES & PC	3-COMPARTMENT SCULLERY SINK			SEE KITCHEN DRAWINGS ITEM: 151.00
VS-1	KES & PC	VEGETABLE PREPARATION SINK			SEE KITCHEN DRAWINGS ITEM: 134.02
WW-1	KES & PC	VERT. WAREWASHER (OPTIONAL)			SEE KITCHEN DRAWINGS ITEM: 152.01
WM-1	O/O & PC	WASHING MACHINE			SEE KITCHEN DRAWINGS ITEM: 223.00
<b>FLUSH VALVES</b>					
-	PC	WATER CLOSET MANUAL FLUSHOMETER	SLOAN ZURN	111 Z6000	
-	PC	URINAL MANUAL FLUSHOMETER	CHICAGO FAUCETS SLOAN ZURN	116.620.21.1 186-1.0 Z6003	
<b>FAUCETS</b>					
-	PC	LAVATORY FAUCET METERING TYPE	CHICAGO FAUCETS SLOAN ZURN	802-V665 SL-0831 Z86500	
-	PC	MOP SINK FAUCET INTEGRAL VACUUM BREAKER	CHICAGO FAUCETS T&S BRASS ZURN	897 B-0665-BSTP Z1996-SF	
-	PC	HAND SINK FAUCET SINGLE MANUAL VALVE	T&S BRASS	B-0310	8-PIPH HINGE HANDLES
<b>ROOF DRAINS AND OVERFLOW ROOF DRAINS</b>					
-	PC	ROOF DRAIN	ZURN	Z121*NH	OPTIONAL PVC BODY DRAIN WHERE PERMITTED OPTIONAL: ZURN MODEL Z1644H (OR EQUAL) COMBINATION MAN AND OVERFLOW ROOF DRAIN
-	PC	OVERFLOW ROOF DRAIN	ZURN	Z122*NH-HD	OPTIONAL PVC BODY DRAIN WHERE PERMITTED
-	PC	OVERFLOW DOWNSPOUT COVER	ZURN	Z199-DC*	
NOTE: SEE SPECIFICATIONS FOR ADDITIONAL MANUFACTURERS.					
ABBREVIATIONS: KES - KITCHEN EQUIPMENT SUPPLIER O/O - OWNER/OPERATOR PC - PLUMBING CONTRACTOR					

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		
6		
7		

**Landry ARCHITECTS**  
 3000 N. WINDYBROOK DRIVE, SUITE 200  
 CHICAGO, IL 60625  
 (773) 647-6300  
 (773) 647-6300  
 FAX (773) 647-6300

DRAWN BY: J.L.G. DATE ISSUED: 08/14/07 AS NOTED  
 CHECKED BY: J.E.Z. SCALE: M-1032  
 DATE DRAWN: 08/14/07 JOB NUMBER:

**Griffith & Vary, Inc.**

12 Kendrick Rd., Yarmouth MA, 02871  
 Telephone 508-596-0900  
 Fax 508-596-0005

**McDonald's**

**McDONALD'S WATER HEATER MATRIX**

OPTIONS: CHOOSE ONE OF FOLLOWING	MANUFACTURER	MODEL	UTILITY	TYPE	CAPACITY GALLONS	INPUT HEATING BTU/HR KW	FIRST HOUR DELIVERY 100°F RISE GPH	RECOVERY 100°F RISE GPH	DIMENSION			ELECTRICAL				NOTES
									TANK DIA. IN.	PANEL IN.	OVERALL IN.	VOLTS	PHASE	HZ	F.L.A.	
X	A.O. SMITH	BTH-199	GAS	SEALED	100	199	-	227	27.75	0.00	27.75	120	1	60	<20	USE WITH POWERSOAK SINK
X	BRADFORD WHITE	EF-100T-199E-3NA	GAS	SEALED	100	199	-	309	28.25	0.00	28.25	120	1	60	<20	USE WITH POWERSOAK SINK
X	RHEEM-RUID	HE-119-199	GAS	SEALED	119	199	-	229	27.00	9.00	36.00	120	1	60	<20	USE WITH POWERSOAK SINK
X	STATE	SUF100-199NE	GAS	SEALED	100	199	-	297	27.75	0.00	27.75	120	1	60	<20	USE WITH POWERSOAK SINK