

ROOF DRAINAGE AREA SCHEDULE					
AREA TAG	SQ. FT.	ALLOWABLE SQ. FT.	DRAIN SIZE	HORIZONTAL SIZE	NOTES
(RDA-1)	1,429	4,613	4"	4"	1, 2
(RDA-2)	1,429	4,613	4"	4"	1, 2
(RDA-3)	1,429	4,613	4"	4"	1, 2
(RDA-4)	5,530	8,373	5"	5"	1, 2
(RDA-5)	2,868	8,373	5"	5"	1, 2
(RDA-6)	4,322	8,373	5"	5"	1, 2
(RDA-7)	2,213	4,613	4"	4"	1, 2
(RDA-8)	5,296	8,373	5"	5"	1, 2
(RDA-9)	2,026	4,613	4"	4"	1, 2
(RDA-10)	2,026	4,613	4"	4"	1, 2
(RDA-11)	2,026	4,613	4"	4"	1, 2
(RDA-12)	4,805	8,373	5"	5"	1, 2
(RDA-13)	1,788	4,613	4"	4"	1, 2
(RDA-14)	2,637	8,373	5"	5"	1, 2
(RDA-15)	1,911	4,613	4"	4"	1, 2
(RDA-16)	2,061	4,613	4"	4"	1, 2
(RDA-17)	2,254	4,613	4"	4"	1, 2
(RDA-18)	1,290	4,613	4"	4"	1, 2
(RDA-19)	1,858	4,613	4"	4"	1, 2
(RDA-20)	9,347	13,600	6"	6"	1, 2
(RDA-21)	5,321	8,373	5"	5"	1, 2
(RDA-22)	876	2,147	3"	3"	1, 2
(RDA-23)	2,652	4,613	4"	4"	1, 2
(RDA-24)	576	2,147	3"	3"	1, 2
(RDA-25)	2565	8,373	5"	5"	1, 2
(RDA-26)	1,937	4,613	4"	4"	1, 2
(RDA-27)	1,150	4,613	4"	4"	1, 2
(RDA-28)	930	2,147	3"	3"	1, 2

NOTES: 1) ROOF DRAINAGE SYSTEM SIZED PER UPC TABLE 11-1 AND 11-2.
2) ROOF DRAINS AND PIPING SIZED FOR 3" RAINFALL PER HOUR @ 1/8" SLOPE.

PLUMBING FIXTURE SCHEDULE					
TAG	BRANCH SIZE				MANUFACTURE'S DESCRIPTION
	CW	HW	SS	V	
(RD-1) ROOF DRAIN	--	--	NOTED	--	WADE MODEL 3000/J.R. SMITH CAST IRON BODY, FLASHING COLLAR, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP, SUMP RECEIVER, EXTENSION, NO P-TRAP.
(ORD-1) OVERFLOW ROOF DRAIN	--	--	NOTED	--	WADE MODEL 3000/J.R. SMITH CAST IRON BODY, FLASHING COLLAR, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP, SUMP RECEIVER, EXTENSION, NO P-TRAP. 2" HIGH CAST IRON EXTERIOR WATER DAM.
(EWC-1) ELECTRIC WATER	1/2"	--	1-1/2"	1-1/2"	ELKAY MODEL LPTE-8-C/HAWS, DUAL HEIGHT STAINLESS STEEL FOUNTAINS RECESSED IN WALL, 8.0 GPH, 120V/1Ø, 3.3 AMPS, 1/5 HP, P-TRAP.
(WH-1) WALL HYDRANT	3/4"	--	--	--	WOODFORD MODEL B75/J.R. SMITH 5509QT, WALL BOX, VACUUM BREAKER, CHROME PLATED FINISH, LOOSE KEY.
(WH-2) WALL HYDRANT	3/4"	3/4"	--	--	WOODFORD MODEL HCB76/J.R. SMITH, WALL BOX, VACUUM BREAKER, CHROME PLATED FINISH, LOOSE KEY.
(WH-3) YARD HYDRANT	3/4"	--	--	--	WOODFORD MODEL U34 OR EQUAL BY J.R. SMITH, VACUUM BREAKER, BRASS FINISH, MANUAL CLOSING LEVER.
(FD-1) FLOOR DRAIN	--	--	4"	2"	WADE MODEL 1100G/J.R. SMITH 2005, CAST IRON BODY W/FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, 1/2" PLUGGED PRIMER TAP, NICKEL BRONZE STRAINER, SQUARE FIXED GRATE, P-TRAP.
(FS-1) FLOOR SINK	--	--	4"	2"	WADE MODEL 9140/J.R. SMITH 3101, CAST IRON BODY, ACID RESISTING PORCELAIN ENAMELED INTERIOR, FLASHING COLLAR, ALUMINUM DOME STRAINER, GRATE PER DRAWINGS, P-TRAP.
(FS-2) FLOOR SINK	--	--	4"	2"	WADE MODEL 9170/J.R. SMITH 3201, CAST IRON BODY, ACID RESISTING PORCELAIN ENAMELED INTERIOR, FLASHING COLLAR, SEDIMENT BUCKET, GRATE PER DRAWINGS, P-TRAP.
(FCD) FLOOR CLEANOUT	--	--	NOTED	--	WADE MODEL 6000/J.R. SMITH 4020 CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, FLANGED FERRULE AND ROUND SECURED NICKEL BRONZE TOP.
(COTG) CLEAN OUT TO GRADE	--	--	NOTED	--	WADE MODEL 8300MF/J.R. SMITH 4220, CAST IRON WITH ROUND ADJUSTABLE SCORRIATED SECURED NICKEL BRONZE TOP.
(WCO) WALL CLEANOUT	--	--	NOTED	--	WADE MODEL 8560B/J.R. SMITH 4402, CAST IRON WITH SPIGOT OUTLET AND THREADED BRASS RAISED HEAD AND COVER.
(EW-1) EYE/FACE WASH	1/2"	--	--	--	ENCON MODEL 01035501/BRADLEY, 8.0 GPM, WALL MOUNTED W/BACKET, INDIRECT DRAIN, ABS PLASTIC BOWL, 1/2" HW(85" F) CONNECTION.
(DF-1) ADA DRINKING	1/2"	--	1-1/2"	1-1/2"	MDF (MOST DEPENDABLE FOUNTAIN, INC.) MODEL 493 DB, 18 GAGE STAINLESS STEEL, SURFACE MOUNT, PUSH BUTTON CONTROL, P-TRAP. MOUNT PER ARCHITECTURAL DRAWINGS AND ADA RECOMMENDATIONS.

PLUMBING EQUIPMENT SCHEDULE	
TAG	EQUIPMENT DESCRIPTION
(DWH-1)	WATER HEATER, INSTANTANEOUS, EEMAX MODEL #SP3012/CHRONOMITE MODEL S-30L, 120V/1Ø, 3.0 KW, 25 AMPS, 0.5 GPM AT 41° TEMPERATURE RISE, 20-45 PSI PRESSURE.
(DWH-2)	DOMESTIC WATER HEATER, RHEEM G100-75N/LOCHINVAR CNR090-100, 100 GALLON STORAGE, 84 GPH RECOVERY AT 80 DEGREES °F RISE, 73,000 BTU NATURAL GAS INPUT, SET HEATER AT 120°F., 1" CW, 1" HW.
(DWH-3)	DOMESTIC WATER HEATER, RHEEM RHGPRO40-40F/LOCHINVAR ETN040, 40 GALLON STORAGE, 40.4 GPH RECOVERY AT 90 DEGREES °F RISE, 40,000 BTU NATURAL GAS INPUT, SET HEATER AT 120°F., 1" CW, 1" HW.
(DWH-4)	DOMESTIC WATER HEATER, RHEEM EGSP30/LOCHINVAR JRC030E, 30 GALLON STORAGE, 15 GPH RECOVERY AT 80° DEGREES °F RISE, 208V/1Ø, 3 KW, SET HEATER AT 120°F., 1" CW, 1" HW.
(DWH-5)	WATER HEATER, EEMAX, INSTANTANEOUS MODEL #EX95TEE, 240V/1Ø, 9.5 KW, 40 AMPS, 2.0 GPM AT 32° TEMPERATURE RISE, 20-45 PSI PRESSURE.
(TV-1)	TEMPERING VALVE, SYMMONS MODEL 5-400/POWERS, 28 GPM AT 8 PSI PRESSURE DIFFERENTIAL, SET OUTLET AT 110° F. 1" CW/HW INLET, 1" HW OUTLET.
(TV-2)	TEMPERING VALVE, SYMMONS MODEL 5-120/POWERS, SET OUTLET AT 110° F. 1/2" CW/HW INLET, 1/2" HW OUTLET.
(ET-1)	EXPANSION TANK, WESSELS 5TX/SMITH, 2.1 TANK VOLUME, 150 PSIG OPERATING PRESSURE.
(CP-1)	CIRCULATING PUMP, BELL & GOSSETT NBF-9U/LW/GRUNDFOS, 0.5 GPM @ 7'HD, 92 WATTS, 115V/1Ø. BELL & GOSSETT MODEL TC-1 TIMER KIT, AQ-3/4 AQUASTAT.
(WHA-1)	WATER HAMMER ARRESTOR, WADE/JR SMITH SERIES.
(TP-1)	TRAP PRIMER, MIFAB, MODEL M-500/PPP, DISTRIBUTION UNIT, INSTALLATION PER MANUFACTURERS REQUIREMENTS, 1/2" CW.
(TV-1)	TEMPERING VALVE, SYMMONS MODEL 5-200/POWERS, 7 GPM AT 5 PSI PRESSURE DIFFERENTIAL, SET OUTLET AT 110° F. 1" CW/HW INLET, 1" HW OUTLET.
(GI-1)	GREASE INTERCEPTOR, JENSEN PRECAST CONCRETE PRODUCTS MODEL 1000EE, 1000 GAL, (2)48"Ø I.D. MANHOLE x REQUIRED DEPTH TO MEET FINISHED GRADE WITH 24"Ø MANHOLE FRAME & COVER x 14" HIGH AND GASKETS. 4" SS INLET AND OUTLET. COMPLY WITH ALL THE REQUIREMENTS OF THE LAS VEGAS PUBLIC WORKS DEPT.
(SB-1)	SAMPLE BOX, JENSEN PRECAST CONCRETE PRODUCTS MODEL 2432-Z, 24"Ø I.D. MANHOLE x REQUIRED DEPTH TO MEET FINISHED GRADE WITH 24"Ø MANHOLE FRAME, COVER AND GASKETS. 4" SS INLET AND OUTLET.
(BP-1)	BOOSTER PUMP, DELTA P MODEL TDPES-VFD-LLL/METROPOLITAN MODEL VES-EC-10T-PT, TO BOOST 315 GPM FROM 14PSI TO 80PSI, TRIPLEX PACKAGED BOOSTER PUMP 105 GPM AT 183 FT HEAD EACH, 10HP, ODP MOTORS, 480V/3Ø. COMPLETE BOOSTER PUMP PACKAGE WITH BRONZE FITTED PUMPS, SOV'S, 4" FLANGED SYSTEM CONNECTIONS, PIPING HEADERS AND CONTROL PANEL. CONTROL PANEL TO INCLUDE STARTER, TIME DELAY RELAYS CURRENT SENSING RELAYS, SUCTION & DISCHARGE GAUGES, H-O-A SWITHCES, DISCONNECTS, DRY CONTACTS FOR LOW SUCTION + HI SYSTEM PRESSURE COMBINED.

PLUMBING FIXTURE SCHEDULE					
TAG	BRANCH SIZE				MANUFACTURE'S DESCRIPTION
	CW	HW	SS	V	
(WC-1) WATER CLOSET	1"	--	3"	2"	GERBER MODEL 25-830 ULTRA FLUSH/BRIGGS, 1.6 GAL. FLUSH, ELONGATED BOWL, BOTTOM OUTLET, WHITE VITREOUS CHINA, WHITE OPEN FRONT PLASTIC SEAT, 1-1/2" TOP SPUD, SLOAN 111-ES-S REGAL FLUSH VALVE.
(WC-2) ADA WATER CLOSET	1"	--	3"	2"	GERBER MODEL 25-730 ULTRA FLUSH/BRIGGS, 1.6 GAL. FLUSH, ELONGATED BOWL, BOTTOM OUTLET, WHITE VITREOUS CHINA, WHITE OPEN FRONT PLASTIC SEAT, 1-1/2" TOP SPUD, SLOAN 111-ES-S REGAL FLUSH VALVE, MOUNT PER ADA RECOMMENDATION.
(WC-3) WATER CLOSET	1"	--	3"	2"	ACORN DURA-WARE 2120 SERIES, HEAVY GAGE TYPE 304 STAINLESS STEEL CONSTRUCTION FLOOR MOUNTED, 1.6 GAL. FLUSH, ELONGATED BOWL, BOTTOM OUTLET, 1-1/2" SIDE SPUD, SLOAN 152-1.6WBES-S FLUSH VALVE.
(WC-4) ADA WATER CLOSET	1"	--	3"	2"	ACORN DURA-WARE 2120 SERIES, HEAVY GAGE TYPE 304 STAINLESS STEEL CONSTRUCTION FLOOR MOUNTED, 1.6 GAL. FLUSH, ELONGATED BOWL, BOTTOM OUTLET, 1-1/2" SIDE SPUD, SLOAN 152-1.6WBES-S FLUSH VALVE. MOUNT PER ADA RECOMMENDATION.
(U-1) URINAL	3/4"	--	2"	2"	GERBER MODEL 27-770 HAMILTON/BRIGGS, 1.0 GAL. FLUSH, WALL OUTLET, WHITE VITREOUS CHINA, SLOAN 186-1-ES-S REGAL FLUSH VALVE, 3/4" TOP SPUD, WALL HANGER.
(U-2) ADA URINAL	3/4"	--	2"	2"	GERBER MODEL 27-770 HAMILTON/BRIGGS, 1.0 GAL. FLUSH, WALL OUTLET, WHITE VITREOUS CHINA, SLOAN 186-1-ES-S REGAL FLUSH VALVE, 3/4" TOP SPUD, WALL HANGER. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHT.
(U-3) URINAL	3/4"	--	2"	2"	ACORN PENAL-WARE 1707-W-1, HEAVY GAGE TYPE 304 STAINLESS STEEL, 1.0 GAL. FLUSH, WALL OUTLET, SLOAN 990 FLUSH VALVE, HY-100-A ACTUATOR, 3/4" REAR SPUD, WALL HANGER.
(U-4) ADA URINAL	3/4"	--	2"	2"	ACORN PENAL-WARE 1707-W-1, HEAVY GAGE TYPE 304 STAINLESS STEEL, 1.0 GAL. FLUSH, WALL OUTLET, SLOAN 990 FLUSH VALVE, HY-100-A ACTUATOR, 3/4" REAR SPUD, WALL HANGER. REFER TO ARCHITECTURAL DRAWINGS FOR ADA MOUNTING HEIGHT.
(L-1) LAVATORY ADA	--	1/2"	1-1/2"	1-1/2"	AMERICAN STANDARD MODEL 9019.44 RENAISSANCE/BRIGGS, SELF RIMMING, WHITE VITREOUS CHINA, DELTA 591T250 HARD WIRE FAUCET, PERFORATED DRAIN WITH 1-1/4" TAILPIECE, ANGLE STOPS, P-TRAP.
(L-2) LAVATORY ADA	--	1/2"	1-1/2"	1-1/2"	AMERICAN STANDARD MODEL 0356.028 LUCERNE/BRIGGS, WHITE VITREOUS CHINA, DELTA 591T250 HARD WIRE FAUCET, PERFORATED DRAIN WITH 1-1/4" TAILPIECE, ANGLE STOPS, P-TRAP.
(L-3) LAVATORY ADA	--	1/2"	1-1/2"	1-1/2"	ACORN DURA-WARE 1953, HEAVY GAGE 304 STAINLESS STEEL CONSTRUCTION, FRONT ACCESS, AIR CONTROL, SINGLE TEMPERATURE PUSH BUTTON VALVE MOEN 8884 SELF-CLOSING FAUCET, PERFORATED DRAIN WITH 1-1/4" TAILPIECE, ANGLE STOPS, P-TRAP.
(S-1) SINK	1/2"	1/2"	1-1/2"	1-1/2"	ELKAY DE-11515, DAYTON/ACORN, SELF RIMMING, 15x15x5-1/8", SINGLE COMPARTMENT, COUNTERTOP, 18 GAUGE STAINLESS STEEL TYPE 302, 3-HOLE SINK, 4" ON CENTER, DELTA 27C4832 DUAL HANDLE FAUCET WITH SWING SPOUT, AERATOR, BASKET STRAINER, ANGLE STOPS, P-TRAP.
(S-2) SINK	1/2"	1/2"	1-1/2"	1-1/2"	ELKAY KMRA-18232183/ACORN, KINGSFORD, SELF RIMMING, ONE BASIN 15-3/4x14x7-1/2" AND OTHER BASIN 10x12x6-1/2", DOUBLE COMPARTMENT, COUNTERTOP, HEAVY GAGE STAINLESS STEEL, 3-HOLE SINK, 4" ON CENTER, DELTA 2672444 DUAL HANDLE FAUCET WITH SWING SPOUT, AERATOR, BASKET STRAINER, ANGLE STOPS, P-TRAP.
(S-3) SINK	1/2"	1/2"	2"	2"	ELKAY MODEL LRAD-3322/ACORN LUSTERTONE, SELF-RIMMING, DOUBLE COMPARTMENT, 33"x22"x5-1/2", 18 GAUGE STAINLESS STEEL-TYPE 304, 4 FAUCET HOLES @ 4" ON CENTER, DELTA MODEL 26T2234 SWING SPOUT, DUAL 4" BLADE HANDLES, CHROME FINISH, (ISE)IN-SINK-ERATOR BADGER-5 DISPOSER, 1/2 HP 120V/1Ø MOTOR. AERATOR, BASKET STRAINER, ANGLE STOPS, P-TRAP.
(SS-1) SERVICE SINK	1/2"	1/2"	3"	2"	STERN-WILLIAMS MODEL SBC-1700/KOHLER, 24"x24", ACID-RESISTANT CAST IRON, FLOOR MOUNTED, DELTA 2819 FAUCET, PERFORATED DRAIN, P-TRAP, ANGLE STOPS.
(SH-1) SHOWER	1/2"	1/2"	2"	2"	SYMMONS MODEL 3-310R/DELTA METERING SHOWER VALVE WITH INTEGRAL STOPS, VACUUM BREAKER, MODEL 4-295B FRE-FLO INSTITUTIONAL SHOWER HEAD WITH ADJUSTABLE SPRAY, WALL CONNECTION AND FLANGE, PERFORATED DRAIN, P-TRAP.
(SH-2) ADA SHOWER	1/2"	1/2"	2"	2"	SYMMONS MODEL 1-912RS-FS/DELTA, PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE, INTEGRAL SERVICE STOPS AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, PERFORATED DRAIN, P-TRAP.
(SH-3) SHOWER	1"	1"	--	--	SYMMONS/DELTA METERING PRESSURE BALANCING MIXING VALVE, IN-LINE VACUUM BREAKER, NO P-TRAP.

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CITY OF LAS VEGAS
CENTENNIAL HILLS & COMMUNITY CENTER
PLUMBING SCHEDULES

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