

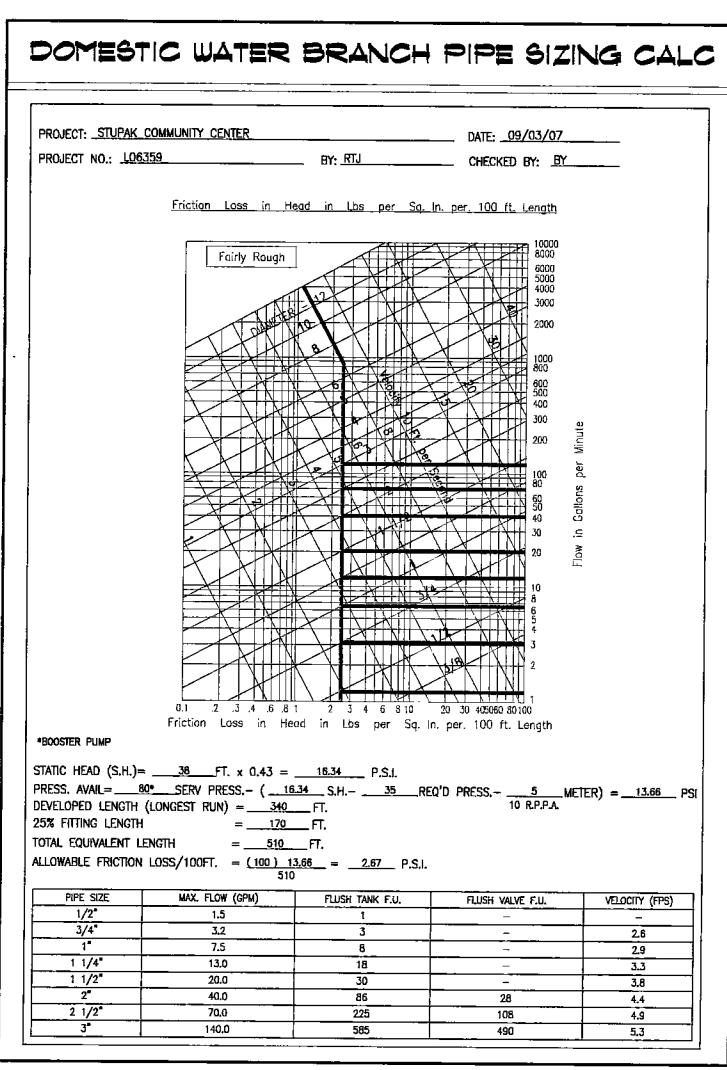
DOMESTIC WATER BOOSTER PUMP SCHEDULE													
MARK	DESCRIPTION	SERVICE	EACH PUMP		EFFICIENCY %	EACH MOTOR		PUMP MODEL NO.	MANUFACTURER/SYSTEM MODEL	WEIGHT LBS.	REMARKS		
			NO.	GPM		HEAD FT.	HP					V/PH/Hz	RPM
SP-1	SHIMPLEX PACKAGED SYSTEM	DOMESTIC COLD WATER	1	80	100	60	1	208/3/60	3600	1 1/4" x 1 1/2" x 6"	TIGER FLOW 83-3000-475	360	1, 2, 3, 4

NOTES:
 1. PACKAGE BOOSTER PUMP SET: NEMA 1 CONTROL PANEL, UL-LISTED, SHUT DOWN AT NO FLOW, HIGH/LOW SUCTION PRESSURE ALARM, SYSTEM PRESSURE ALARM, HIGH TEMPERATURE ALARM, ELARGED TIME METER, SUCTION AND DISCHARGE HEADERS, FACTORY ASSEMBLED WIRED AND TESTED, HORIZONTAL CLOSE-COUPLED STAINLESS STEEL END SUCTION PUMPS, OPEN DRIP-PROOF MOTORS, BRONZE CHECK VALVE MOUNTED IN PUMP DISCHARGE PIPING, STEEL BASE, LEAD-LAG CONTROL FOR STAGED PUMP OPERATION UPON DEMAND, MINIMUM RUN TIMER.
 2. PROVIDE SEPARATELY MOUNTED HYDRO-PNEUMATIC TANK, "SAS" MODEL, FT-30V, 44 GALLON CAPACITY, FACTORY FIRE-CHARGED AT 40 PSI.
 3. APPROVED EQUAL BY "ARMSTRONG PUMPS" AND "AURORA PUMPS" ARE ACCEPTABLE.
 4. CONTACT RANDY MCCOOK, 1-800-314-8371.

PUMP SCHEDULE										
MARK	DESCRIPTION	SERVICE	FLOW GPM	HEAD FT.	RPM	MOTOR		MANUFACTURER MODEL NO.	REMARKS	
						HP	V/PH/Hz			
SP-1	SUMP PUMP SUBMERSIBLE	ELEV. RT	10	25	1500	1/2	208/1/60	HYDROMATIC 6050		

FIRE SPRINKLER NOTES

- SPRINKLER CONTRACTOR SHALL PROVIDE SYSTEM DESIGN, LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE COMPLETE DESIGN BUILD FIRE SPRINKLER SYSTEM.
- THE DESIGN AND INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13) AND THE GENERAL REQUIREMENTS OF APPLICABLE SECTIONS OF THE 2003 INTERNATIONAL BUILDING CODES, THE SPECIFIC REQUIREMENTS OF THE LOCAL FIRE PREVENTION BUREAU, AND THE OWNER'S INSURANCE UNDERWRITER.
- THE SYSTEM SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRINKLER HEADS, VALVES, ESCUTCHEONS, PIPING, FITTINGS, HANGERS, DRAINS, LEET TEST CONNECTIONS, SIGNS AND OTHER IDENTIFICATION MARKINGS AS REQUIRED.
- ALL MATERIALS AND EQUIPMENT USED IN THE INSTALLATION OF FIRE PROTECTION SYSTEMS SHALL BE LISTED AS APPROVED BY UNDERWRITERS LABORATORIES, INC. LIST OF INSPECTED FIRE PROTECTION EQUIPMENT AND MATERIALS, OR APPROVED BY OTHER APPROPRIATE, NATIONALLY RECOGNIZED TESTING LABORATORIES FOR USE IN SPRINKLER SYSTEMS, AND SHALL BE THE LATEST DESIGN OF THE MANUFACTURER.
- SPRINKLER HEADS SHALL BE PROVIDED AS REQUIRED AND CONFORM TO THE LATEST EDITION OF NFPA 13.
- PIPING, PIPE HANGERS AND SUPPORTS SHALL CONFORM TO THE LATEST EDITION OF NFPA 13.
- INSTALL HEADS AT FINISHED HEIGHT WITH ESCUTCHEON, OR DIRECTLY IN REDUCER OF EXTRA LENGTH DROPS RATHER THAN PLUGGING. IF EXTRA LENGTH DROPS ARE INSTALLED, CUT BACK HEADS AFTER CEILING INSTALLATION IN THE CUSTOMARY MANNER.
- SPRINKLER DROPS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF CEILING SYSTEM THEN REMOVED AND REINSTALLED AFTER INSTALLATION OF CEILING SYSTEM, WITH DROPS MODIFIED, AS REQUIRED, PROVIDE ESCUTCHEONS AT EACH SPRINKLER HEAD.
- COORDINATE WITH OTHER WORK, INCLUDING DUCTWORK, DIFFUSERS, GRILLES, ELECTRICAL AND PLUMBING PIPING, AS NECESSARY TO INTERFACE COMPONENTS OF FIRE SPRINKLER PIPING PROPERLY WITH OTHER WORK.
- AFTER SYSTEM IS COMPLETELY INSTALLED, IT SHALL BE FILLED AND TESTED IN ACCORDANCE WITH LOCAL REQUIREMENTS, AND THE REQUIREMENTS OF THE APPLICABLE NFPA BULLETINS.
- FINAL SHOP DRAWINGS SHALL FIRST BE SUBMITTED TO THE ARCHITECT, FOLLOWING THEIR REVIEW AND APPROVAL, SUBMIT TO THE OWNER'S INSURANCE COMPANY, FOLLOWING THEIR SIGNATURE APPROVAL. IF REQUIRED BY ANY REVIEWING AGENT, OR IF REVIEW COMMENTS REQUIRE EXTENSIVE REVISIONS, THE SUBMITTAL SHALL BE REVISED AS REQUIRED, AND RESUBMITTED FOR APPROVAL BEFORE SUBMISSION TO THE ARCHITECT'S OFFICE.
- THE CONTRACTOR GUARANTEES THAT ALL WORK INSTALLED SHALL BE FREE OF ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM OWNER'S ACCEPTANCE OF THE CERTIFICATION OF COMPLETION AND ACCEPTANCE OF THE WORK.
- ADDITIONAL SPRINKLER HEADS SHALL BE PROVIDED AS REQUIRED AND CONFORM TO THE LATEST EDITION OF NFPA 13.
- ADDITIONAL PIPING, PIPE HANGERS AND SUPPORTS SHALL CONFORM TO THE LATEST EDITION OF NFPA 13.
- ACTIVATE THE SPRINKLER SYSTEM FOR PROTECTION PURPOSES AS SOON AS DROPS HAVE BEEN COMPLETED IN ANY ONE SECTION OF THE SPRINKLER.
- ALL SPRINKLER HEADS AND ESCUTCHEONS SHALL HAVE MOUNTING TYPE (FLUSH OR SEMI-RECESSED), FINISH AND COLOR AS SELECTED BY ARCHITECT.
- ALL SPRINKLERS SHALL BE CENTERED WITHIN THE CEILING GRID, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO SUBMITTAL OF DRAWINGS TO FIRE DEPARTMENT.
- SPRINKLER GUARDS SHALL BE INSTALLED ON ALL SPRINKLER HEADS LOCATED IN GYMNASIUM AND GYMNASIUM ROOM.
- ALL VERTICAL SPRINKLER PIPING ROUTED IN CONCEALED SPACES FOR GYM AREA.



PLUMBING FIXTURE SPECIFICATIONS

MARK	DESCRIPTION
WC-1	WATER CLOSET (ADA) - KOHLER KINGSTON K-4330, WALL MOUNT, VITREOUS CHINA, ELONGATED BOWL, FLUSH VALVE, MAX 16 GALLON PER FLUSH, SLOAN - ROYAL II 4 MODEL III, FLUSHMETER.
WC-2	WATER CLOSET - KOHLER KINGSTON K-4330, WALL MOUNT, VITREOUS CHINA, ELONGATED BOWL, FLUSH VALVE, MAX 16 GALLON PER FLUSH, SLOAN - ROYAL II 4 MODEL III, FLUSHMETER.
WC-3	WATER CLOSET (ADA) - KOHLER K-4321, FLOOR MOUNT, VITREOUS CHINA, ELONGATED BOWL, FLUSH VALVE, 16 GALLON PER FLUSH, SLOAN - ROYAL II AND MODEL III, FLUSHMETER.
WC-4	WATER CLOSET - KOHLER HIGHCREST K-4361, FLOOR MOUNT, VITREOUS CHINA, ELONGATED BOWL, FLUSH VALVE, MAX 16 GALLON PER FLUSH, SLOAN - ROYAL II 4 MODEL III, FLUSHMETER.
U-1	URNAL - KOHLER BARDON SUPERIOR K-4960, VITREOUS CHINA, SIPHON JET (1/2 GALLON PER FLUSH), 3/4" INLET SPUD, WALL HANGER, FLUSH VALVE, SLOAN - ROYAL II, MODEL #60-10 FLUSHMETER.
U-2	URNAL (ADA) - KOHLER BARDON SUPERIOR K-4960, VITREOUS CHINA, SIPHON JET (1/2 GALLON PER FLUSH), 3/4" INLET SPUD, WALL HANGER, FLUSH VALVE, SLOAN - ROYAL II, MODEL #60-10 FLUSHMETER.
L-1	LAVATORY - KOHLER K-2264 CENTERPIECE, SELF-RIMMING VITREOUS CHINA, WITH FRONT OVERFLOW AND FAUCET LEDGE, TRAP, 1 1/4" x 1 1/2" ADJUSTABLE P-TRAP, SUPPLIES 2165CC RB FLEXIBLE RISERS WITH STOPS, FAUCET - SLOAN #L-271, 4" CENTER SET, SINGLE LEVER.
L-2	LAVATORY - (ADA) KOHLER K-2266, FRONT VITREOUS CHINA, WITH FRONT OVERFLOW AND FAUCET LEDGE, TRAP, 1 1/4" x 1 1/2" ADJUSTABLE P-TRAP, SUPPLIES 2165CC RB FLEXIBLE RISERS WITH STOPS, FAUCET - SLOAN #L-271, 4" CENTER SET, SINGLE LEVER.
S-1	SINK (ADA) - ELKAY K6CR202L, 25" x 21 1/4" x 5 3/8", 20 GAUGE STAINLESS STEEL, FAUCET, ELKAY K42438, HI-ARC, SINK, LEB, FLEXIBLE RISERS WITH STOPS.
S-2	SINK - ELKAY K42438, 20 GAUGE STAINLESS STEEL, FAUCET, ELKAY K42438, HI-ARC, SINK, LEB, FLEXIBLE RISERS WITH STOPS.
KB-1	3-COMPARTMENT SINK (ADA) - ELKAY K1763720, 18 GAUGE STAINLESS STEEL, FAUCET, ELKAY K42438 (ADA) CONCEAL FIXING VALVE, RETRACTABLE SPRAY AND HOSE.
SB-1	SERVICE SINK - FIAT PRODUCTS T89C-1610, 12" DEEP-CORNER MODEL WITH 6" DROP FRONT, 24"x24" FAUCET, (ADA) SLOAN #L-6665, WALL MOUNTED, TWO-HANDLE, BUILT-IN STOPS, VACUUM BREAKER SPOUT, PAUL HOOK AND WING HANDLES.
SH-1	SHOWER HEAD SHOWER UNIT - SYMPHONY #6-500-530-L-V, PRESSURE BALANCING MIXING VALVE, SEPARATE LEVER DIVERTER WITH INTEGRAL VOLUME CONTROL, CLEAR-FLO SHOWER HEAD WITH 9' FLEXIBLE METAL HOSE, WALL CONNECTION AND FLANGE, IN-LINE VACUUM BREAKER, 24" SLIDE BAR FOR HAND SHOWER MOUNTING AND SHOWER SEAT, MAX 2.5 GALLONS PER MINUTE.
FD-1	FLOOR DRAIN - JAY R. SMITH #2009A, CAST IRON BODY WITH ADJUSTABLE STRAINER, BRUSH BRONZE.
FB-1	FLOOR SINK - COMMERCIAL ENAMELING #26A, 17"x27"x8" DEEP, CAST IRON BODY WITH ACID RESISTING ENAMEL AND DOME STRAINER, GRATE AS INDICATED ON DRAWINGS.
EWG-1	ELECTRIC WATER COOLER (ADA) - HAUS #18118, HI-LOU DUAL HEIGHT ELECTRIC WATER COOLER, STAINLESS STEEL, 18V/1600 WZ, STANDARD POWDER-COATED FINISH, MEETING THE ACCESSIBILITY GUIDELINES AS SET IN DIVISION 1.
EWG-2	ELECTRIC WATER COOLER (ADA) - ELKAY #09RRC, STAINLESS STEEL, CHILLER ELKAY #RS1 175 WATTS, 1/8 HP.
DF-1	DRINKING FOUNTAIN - (ADA) HAUS #3176, PEDESTAL MOUNTED DRINKING FOUNTAIN, BARRIER FREE.
HB-1	HOSE BIBB - WOODFORD MODEL B65 ANTI-SIPHON, AUTOMATIC DRAINING FREEZELESS WALL HYDRANT, COLOR CHROME.
HB-2	HOSE BIBB - WOODFORD MODEL Y-30 ANTI-SIPHON, AUTOMATIC DRAINING FREEZELESS HYDRANT, COLOR CHROME.
RD-1	ROOF DRAIN - JAY R. SMITH #2019, CAST IRON BODY, UNDERDECK CLAMP.
ORD-1	OVERFLOW ROOF DRAIN - JAY R. SMITH #2019, CAST IRON BODY, UNDERDECK CLAMP WITH STANDING PIPE.
WB-1	WASHER BOX BY OATEY, "THE ELIMINATOR", RECESSED WALL BOX FOR HOT AND COLD WATER CONNECTIONS, WASHER DRAIN CONNECTION.

WATER HAMMER ARRESTER SCHEDULE

MARK	GENERAL DATA		FIXTURE UNIT RATINGS	REMARKS
	MANUFACTURER MODEL NUMBER	FIXTURE UNIT RATINGS		
WHA-A	HYDROTROL	5005	1-11	
WHA-B	HYDROTROL	5010	12-32	
WHA-C	HYDROTROL	5010	33-60	

RECIRCULATING PUMP SCHEDULE

MARK	DESCRIPTION	SERVICE	FLOW GPM	HEAD FT.	MOTOR HP	V/PH/Hz	MANUFACTURER MODEL NO.	REMARKS
OP-1	IN LINE	WELL	5.0	20	1/2	120/1/60	1845 FL-30	

WATER HEATER SCHEDULE

MARK	STORAGE CAPACITY	GPH RECOVERY	TEMPERATURE RISE °F	GAS INPUT BTU/H	ELECTRICAL V/PH/Hz	MANUFACTURER MODEL NO.	REMARKS
WH-1	100	285	80	1950	120/1/60	AQ, SMITH BTH-193	TPR VALVE AND RETAINING STRAP.

TRAP PRIMER SCHEDULE

MARK	NO. OF DRAINS	PRECISION MODEL NO.	DISTRIBUTION UNITS	REMARK
TP-1	1	PR-500 PRIME-RITE	NONE	
TP-2	2	PR-500 PRIME-RITE	DU-2	

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	ROUGH-IN (INCHES)						REMARKS
		CILL	HULL	V	TILL	S/SIL	TRAP	
WC-1	WATER CLOSET	1	-	2	-	4	-	FLUSH VALVE WALL MOUNT (ADA)
WC-2	WATER CLOSET	1	-	2	-	4	-	FLUSH VALVE WALL MOUNT, (ADA)
WC-3	WATER CLOSET	1	-	2	-	4	-	FLUSH VALVE WALL MOUNT, (ADA)
WC-4	WATER CLOSET	1	-	2	-	4	-	FLUSH VALVE WALL MOUNT, (ADA)
U-1	URNAL	3/4	-	2	-	2	-	FLUSH VALVE WALL HANG (ADA)
U-2	URNAL	3/4	-	2	-	2	-	FLUSH VALVE WALL HANG,
L-1	LAVATORY	1/2	1/2	2	-	2	1 1/4 x 1 1/2	COUNTERTOP
L-2	LAVATORY	1/2	1/2	2	-	2	1 1/4 x 1 1/2	WALL MOUNTED
S-1	1-COMPARTMENT SINK	1/2	1/2	2	-	2	1 1/4 x 1 1/2	COUNTERTOP
S-2	1-COMPARTMENT SINK	1/2	1/2	2	-	2	1 1/4 x 1 1/2	COUNTERTOP
KB-1	3-COMPARTMENT SINK	1/2	1/2	2	-	2	1 1/4 x 1 1/2	COUNTERTOP
SB-1	SERVICE SINK	1/2	1/2	2	-	3	-	FLOOR MOUNTED
SH-1	SHOWER	1/2	1/2	2	-	2	-	HANDICAP
FD-1	FLOOR DRAIN	-	-	2	-	2	-	REFER TO DUGS, FOR EXACT SIZES
FB-1	FLOOR SINK	-	-	2	-	3	-	REFER TO DUGS, FOR EXACT SIZES
EWG-1	WATER COOLER	1/2	-	2	-	2	2	BARRIER FREE WALL MOUNTED
EWG-2	WATER COOLER	1/2	-	2	-	2	2	BARRIER FREE COUNTERTOP
DF-1	DRINKING FOUNTAIN	1/2	-	2	-	2	2	BARRIER FREE GROUND MOUNTED
HB-1	WALL HYDRANT	3/4	-	-	-	-	-	FREEZE PROOF W/ LOCKING COVER.
HB-2	WALL HYDRANT	3/4	-	-	-	-	-	FREEZE PROOF W/ LOCKING COVER.
RD-1	ROOF DRAIN	-	-	-	-	-	-	REFER TO DUGS, FOR EXACT SIZES
ORD-1	OVERFLOW RD.	-	-	-	-	-	-	REFER TO DUGS, FOR EXACT SIZES
WB-1	WASHER BOX	1/2	1/2	2	-	2	2	REFER TO DUGS, FOR EXACT SIZES

PROVIDE STOPS ON ALL FIXTURES NOT FURNISHED WITH INTEGRAL STOPS

11/20/07 PLAN CHECK

CONSULTANT

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PLUMBING SCHEDULES

NOV 05 2007

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SCALE: AS NOTED
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PLANS APPROVED BY CITY OF LAS VEGAS
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MSA # L06359

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