



PLUMBING FIXTURE CONNECTION SCHEDULE						
EQUIPMENT NO.	DESCRIPTION	HOT WATER	COLD WATER	WASTE	VENT	REMARKS
WC	WATER CLOSET	---	1"	4"	2"	FLOOR MOUNTED, FLUSH VALVE
WCH	WATER CLOSET	---	1"	4"	2"	FLOOR MOUNTED, FLUSH VALVE, ADA COMPLIANT
UR	URINAL	---	3/4"	4"	2"	WALL HUNG, FLUSH VALVE
LV	LAVATORY	1/2"	1/2"	1-1/4"	2"	COUNTER MOUNTED—SELF RIMMING
LVH	LAVATORY	1/2"	1/2"	1-1/4"	2"	WALL HUNG, ADA COMPLIANT
SKI	SINK	1/2"	1/2"	1-1/2"	2"	COUNTER MOUNTED, 2 COMP. STAINLESS STEEL
SRK	SINK WITH HANDHELD PIPERINSE	1/2"	1/2"	1-1/2"	2"	2 COMP. STAINLESS STEEL, HANDGARDS, & SODAS INTERCEPTOR
WMB	WASHING MACHINE VALVE BOX	1/2"	1/2"	2"	2"	WALL MOUNTED
IMB	ICE MAKER VALVE BOX	---	1/2"	---	---	WALL MOUNTED
DW	DISHWASHER	1/2"	---	1-1/2"	---	OWNER FURNISHED, CONTRACTOR INSTALLED
SH	SHOWER	1/2"	1/2"	1-1/2"	2"	FIELD FABRICATED SHOWER STALL
EW	ELECTRIC WATER COOLER	---	1/2"	1-1/4"	2"	WALL HUNG, ADA COMPLIANT
MB	MOP BASIN	3/4"	3/4"	3"	2"	FLOOR MOUNTED

WATER HAMMER ARRESTOR SCHEDULE						
MARK	A	B	C	D	E	F
MAXIMUM FIXTURE UNITS	11	32	80	113	154	330
MAXIMUM PRESSURE RATIO	65 PSI					
MANUFACTURER	JOSAM					
MODEL NUMBER	75000-5					

EXPANSION TANK SCHEDULE							
EQUIPMENT NO.	MANUFACTURER AND MODEL NO.	WATER HEATER SYSTEM	SERVICE	TOTAL VOLUME (GAL)	MAXIMUM WORKING PRESSURE (PSIG)	DIMENSIONS HEIGHT x DIAMETER (INCHES)	REMARKS
ET	WESSELLS STX	GWH-1&GWH-2	DOMESTIC HOT WATER	2.1	150	12.9 x 7.9	IN-LINE UNIT, 3/4" CONH.

PUMP SCHEDULE										
EQUIPMENT NO.	MANUFACTURER AND MODEL NO.	SERVICE	PUMP TYPE	FLOW (GPM)	HEAD (FT)	ELECTRICAL			REMARKS	
						DISCONNECT	MOTOR STARTER	MOTOR		
							HP	VOLTS/PH/Hz		
P-1&2	BELLA-GOSSETT/LR-15B	DOMESTIC HOT WATER RETURN	IN-LINE	2.0	8			1/12	120V/1PH/60	ALL BRONZE

GAS WATER HEATER SCHEDULE												
EQUIPMENT NO.	MANUFACTURER AND MODEL NO.	SERVICE	FUEL TYPE	FUEL LOAD	EFF (%)	ENTERING WATER TEMP (F)	LEAVING WATER TEMP (F)	RECOVERY RATE (GPH)	STORAGE CAPACITY (GAL)	TANK DIMENSIONS HEIGHT (INCHES)	TANK DIMENSIONS DIAMETER (INCHES)	REMARKS
GWH-1	A.O. SMITH BTH-150	DOMESTIC WATER(WEST SIDE)	NAT. GAS	150	94	40°	140°	171	100	74.50	27.75	SEALED COMBUSTION—DIRECT VENTED—SEE DETAIL
GWH-2	A.O. SMITH BTH-120	DOMESTIC WATER(EAST SIDE)	NAT. GAS	120	94	40°	140°	137	80	74.50	27.75	SEALED COMBUSTION—DIRECT VENTED—SEE DETAIL

THERMOSTATIC MIXING VALVE SCHEDULE											
EQUIPMENT NO.	MANUFACTURER AND MODEL NO.	SERVICE	TYPE	CONN. SIZE (IN)	FLOW DATA		DRAINAGE		HOUSING		REMARKS
					FLOW (GPM)	PRESS. DROP (PSI)	REQUIRED (1/4")	SIZE (IN)	REQUIRED (1/4")	TYPE	
TMV	LEONARD-TM-520	GWH-1 & GWH-2	HIGH/LOW	3/4-1	28	10	N	NA	N	N/A	WALL MOUNTED, NO CABINET

GENERAL NOTES:

- All horizontal pressure piping shall be run above ceiling on the plan on which shown unless otherwise noted.
- All horizontal gravity piping shall be run below floor on the plan on which shown unless otherwise indicated. All horizontal vent piping shall be run above floor on the plan on which shown unless otherwise indicated. Vent piping is shown offset for clarity.
- The location of Floor Drains shall be coordinated with the location and size of the equipment being served prior to installation.
- Coordinate routing of piping to avoid conflicts with Structural, Mechanical, and Electrical within the building prior to installation.

PLUMBING LEGEND

- SOIL OR WASTE PIPING
- VENT LINE
- COLD WATER LINE
- HOT WATER LINE
- NATURAL GAS LINE
- BALL VALVE
- CHECK VALVE
- PIPE TURNING UP (OR UP AND DOWN)
- PIPE TURNING DOWN
- P-TRAP
- FD-1 @C FLOOR DRAIN (FINISHED AREA)
- FD-2 @C UTILITY FLOOR DRAIN
- FS-1 @C FLOOR SINK/ HALF GRATE
- TRAP PRIMER W/DISTRIBUTION UNIT, AS REQUIRED
- WATER HAMMER ARRESTOR, TYPE 'A' UNLESS OTHERWISE NOTED
- WCO @ FLOOR CLEANOUT
- CO @ FLOOR OR EXTERNAL CLEANOUT
- BALANCING VALVE

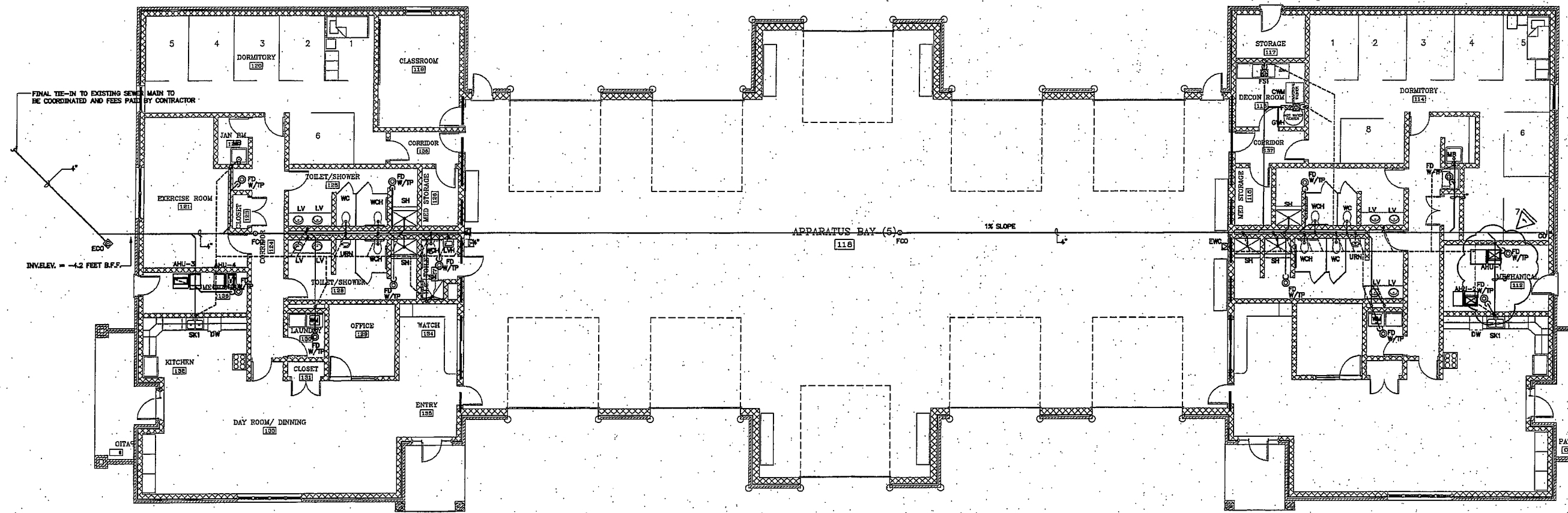
PLUMBING ABBREVIATIONS

- ABV ABOVE
- AFF ABOVE FINISHED FLOOR
- ARCH ARCHITECTURAL
- B.F.F. BELOW FINISHED FLOOR
- B.G. BELOW GRADE
- CO CLEANOUT
- CW COLD WATER
- CWM COMMERCIAL WASHING MACHINE
- DN DOWN
- DWG. DRAWING
- FD FLOOR DRAIN
- FT FOOT OR FEET
- GPH GALLONS PER HOUR
- GPM GALLON PER MINUTE
- HR HOUR(S)
- HW HOT WATER
- HWR HOT WATER RETURN
- IN INCHES
- IMB ICE MACHINE OR REFRIGERATOR BOX
- LV LAVATORY
- LVH LAVATORY HANDICAPPED
- MAX MAXIMUM
- MIN MINIMUM
- PSI POUNDS PER SQUARE INCH
- SPECS. SPECIFICATIONS
- SH SHOWER
- TP TRAP PRIMER
- TP TYPICAL
- VTR VENT THROUGH ROOF
- WCO WALL CLEANOUT
- WMB CLOTHES WASHING MACHINE BOX
- CWM COMMERCIAL WASHING MACHINE

REVISIONS		DRAWN BY		DATE	
NO.	DESCRIPTION	DRK	DATE	BY	DATE
1	OK CITY COMMENTS		04/18/2007	DK	
CHECKED BY		DATE			
OWP		03/12/2007			
DEPARTMENT OF PLANNING, ENGINEERING AND PERMITTING CITY OF BIRMINGHAM WILLIAM A. GILCHRIST, DIRECTOR PAUL L. JENNINGS, AIA, CITY ARCHITECT					
PLUMBING SCHEDULE & LEGEND			PROJECT NUMBER		
			Fire Station 10/22		
			4439 5th Avenue South		
			Birmingham, AL 35222		
SHEET NUMBER			SHEET NUMBER		
P-1			P-1		
OF					

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 Exp. Date: 02/27/2010
 Proj. Date: 4/18/07-2/20/08



FLOOR PLAN
 PLUMBING-GRAVITY
 NORTH
 0 2 4 6 8 16
 SCALE: 1/8" = 1'-0"

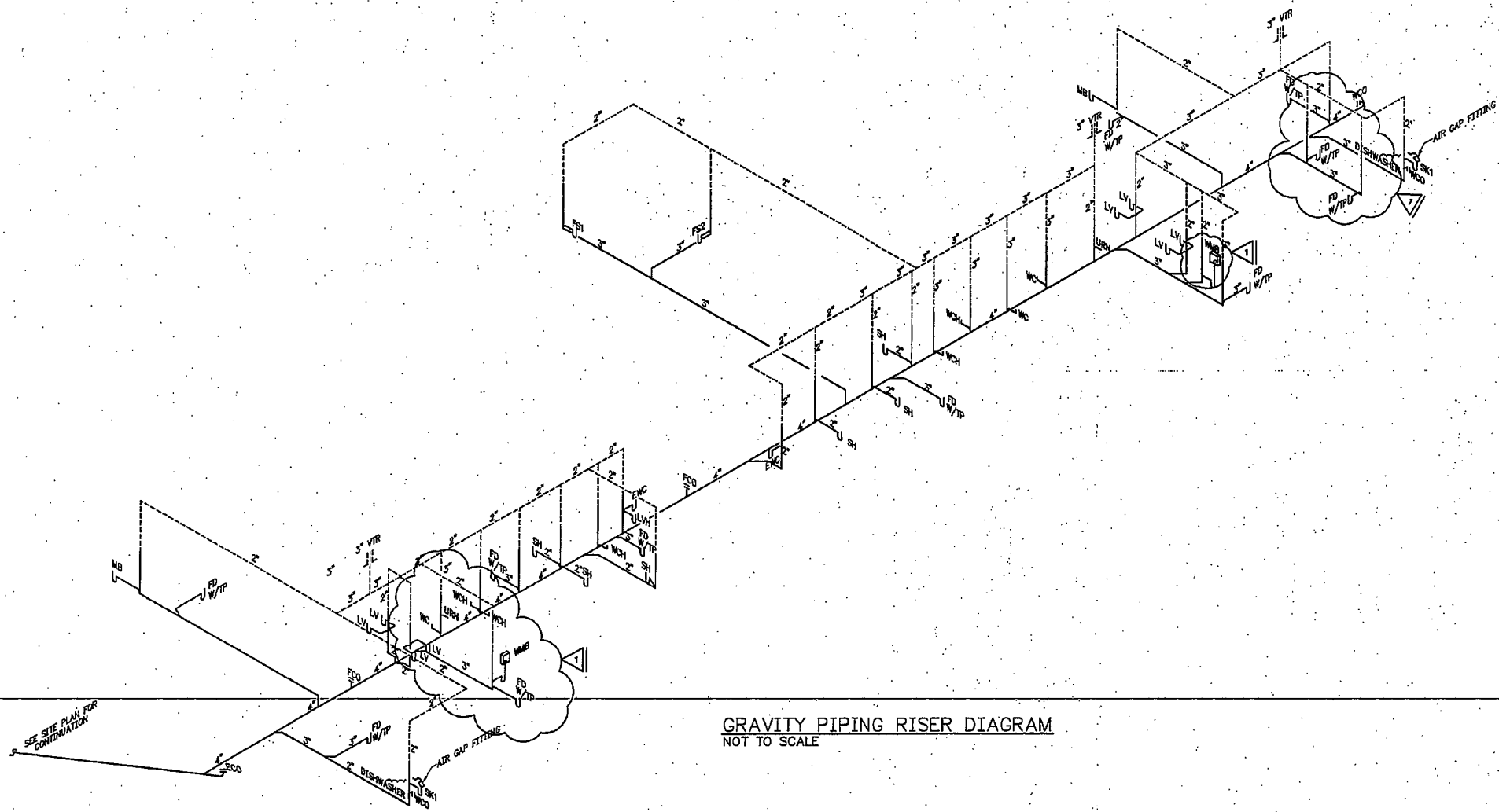
REVISIONS	
NO.	DESCRIPTION
1	04/18/2007 DK CITY COMMENTS

DRAWN BY	DRK	CHECKED BY	OWP	DATE	03/12/2007
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FLOOR PLAN PLUMBING-GRAVITY Fire Station 10/22 4439 5th Avenue South Birmingham, AL 35222	PROJECT NUMBER SHEET NUMBER P-3 OF
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 Job No. 030722
 Drawn By: 08075101.DWS
 Plot Date: 07/18/07 08:53

REVISIONS		NO.	DATE	BY	DESCRIPTION
		1	04/18/2007	DK	CITY COMMENTS

DRAWN BY	DRK	CHECKED BY	OWP	DATE	03/12/2007
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PROJECT NUMBER	PLUMBING GRAVITY RISERS
SHEET NUMBER	Fire Station 10/22 4439 5th Avenue South Birmingham, AL 35222
	P-5
	OF

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