PLUMBING PIPE HANGER AND SUPPORT SPACING SCHEDULE

PIPE/TUBE SIZE (INCH)	HANGER RODS MINIMUM SIZE (INCH)	HORIZONTAL PIPE MAXIMUM SPAN (FEET)			VERTICAL PIPE MAXIMUM SPAN (FEET)		
		COPPER TUBE TYPE L	PVC DWV PIPE SCHEDULE 40	CAST IRON HUB-AND-SPIGOT AND HUBLESS DWV PIPE, 5 FT (10 FT) IN LENGTH	COPPER TUBE TYPE L	PVC DWV PIPE SCHEDULE 40	CAST IRON HUB-AND-SPIGOT AND HUBLESS DWV PIPE
3/8	3/8	3	N/A	N/A	10	N/A	15
1/2	3/8	3	N/A	N/A	10	N/A	15
3/4	3/8	5	4	N/A	10	4	15
1	3/8	6	4	N/A	10	4	15
1-1/2	3/8	8	4	5 (10)	10	4	15
2	3/8	8	4	5 (10)	10	4	15
2-1/2	1/2	9	4	N/A	10	10	NA
3	1/2	10	4	5 (10)	10	10	15
4	5/8	10	4	5 (10)	10	10	15

SCHEDULE NOTES:
A. HANGER ROD DIAMETER MAY BE REDUCED ONE SIZE FOR DOUBLE-ROD HANGERS, TO A MINIMUM OF 3/8"
B. SPACE TRAPEZES FOR SMALLEST PIPE SIZE, OR INSTALL INTERMEDIATE SUPPORTS FOR SMALLER PIPES.
C. INSTALL ADDITIONAL ATTACHMENTS AT CONCENTRATED LOADS, INCLUDING VALVES, FLANGES, AND STRAINERS, NPS 2-1/2 AND LARGER.
D. INSTALL ADDITIONAL ATTACHMENTS AT HORIZONTAL AND VERTICAL CHANGES IN DIRECTION OF PIPING.
E. CAST IRON PIPE SHALL BE SUPPORTED AT EVERY HUB OR COUPLING WITH THE HANGER PLACED WITHIN 18 INCH OF THE HUB OR COUPLING.
F. CAST IRON PIPE INSTALLATION WITH MULTIPLE JOINTS WITHIN A FOUR FOOT LENGTH SHALL BE SUPPORTED AT EVERY OTHER HUB OR COUPLING.

UTILITY PIPE MATERIAL SCHEDULE

PIPE SYSTEM	SYSTEM WORKING PRESSURE	COMPONENT	INDOORS - EXPOSED	INDOORS - CONCEALED		UNDERGROUND	REMARKS
				CONCEALED BUT ACCESSIBLE AND ABOVE CEILINGS THAT ARE NOT PLENUMS	HVAC RETURN AIR PLENUMS		
DOMESTIC COLD WATER (CW)	125 PSIG	PIPE, VALVES	C1 OR C2 WITH 01, 02 OR 11	C1 OR C2 WITH 01, 02 OR 11	C1 OR C2 WITH 01, 02 OR 11	C3	
		INSULATION	MINERAL FIBER	MINERAL FIBER	MINERAL FIBER	N/A	
		JACKET	PVC	ALL SERVICE	ALL SERVICE	N/A	
DOMESTIC HOT WATER AND HOT WATER CIRCULATING	125 PSIG	PIPE, VALVES	C1 OR C2 WITH 01, 02 OR 11	C1 OR C2 WITH 01, 02 OR 11	C1 OR C2 WITH 01, 02 OR 11	N/A	
		INSULATION	MINERAL FIBER	MINERAL FIBER	MINERAL FIBER	N/A	
		JACKET	PVC	ALL SERVICE	ALL SERVICE	N/A	

PIPE SYSTEM MATERIALS AND JOINTS:

COPPER TUBE:
C1 - HARD COPPER, TYPE L; WROUGHT COPPER PRESSURE FITTINGS; SOLDER JOINTS
C2 - HARD COPPER, TYPE L; WROUGHT COPPER PRESSURE FITTINGS; PRO-PRESS JOINTS
C3 - SOFT COPPER, TYPE K; WROUGHT COPPER PRESSURE FITTINGS; SOLDER OR PRO-PRESS JOINTS ABOVE GRADE. NO JOINTS ALLOWED BELOW GRADE.

SHUTOFF VALVES:

BALL VALVES:
01 - 2-PIECE, FULL PORT, BRONZE BALL VALVES
02 - PRESS JOINT FULL PORT, BRONZE BALL VALVES

BUTTERFLY VALVES:
11 - LUG STYLE 200 PSI DUCTILE IRON BUTTERFLY VALVES (NPS 2-1/2 AND UP)

SCHEDULE NOTES:
A. "CONCEALED" APPLIES TO PIPING IN WALLS, PIPE CHASES, AND ABOVE CEILINGS, EXCEPT WALKABLE CEILINGS
C. PIPE INSULATION THICKNESS: ALL DOMESTIC COLD WATER:
NPS 1-1/4 AND SMALLER MINERAL FIBER: 1/2-INCH THICK
NPS 1-1/2 AND LARGER MINERAL FIBER: 1-INCH THICK
D. PIPE INSULATION THICKNESS, CIRCULATED HOT WATER SYSTEMS:
ALL SIZES MINERAL FIBER: 1-INCH THICK
E. SYSTEM WORKING PRESSURE IS THE MAXIMUM ALLOWABLE PRESSURE FOR SYSTEM COMPONENTS
F. THE MINIMUM RATED WORKING PRESSURE OF THE COMPONENTS IN A SYSTEM MUST EQUAL OR EXCEED THE SYSTEM WORKING PRESSURE

PLUMBING HANGER AND SUPPORT MATERIAL SCHEDULE

APPLICATION		HANGER RODS ALL-THREAD	PIPE HANGERS, SUPPORTS AND ACCESSORIES INCLUDING NUTS, BOLTS, WASHERS AND FASTENERS	UNI-STRUT	TRAPEZE HANGERS OR STRUCTURAL SUPPORTS	INSULATION SHIELDS	PIPE PENETRATION SLEEVES	PIPE ESCUTCHEONS
INDOORS	EXPOSED	GALV	GALV	GALV	GALV	GALV	GALV	GALV
	CONCEALED (ABOVE CEILINGS EXCEPT WALKABLE CEILINGS)	GALV	GALV	GALV	GALV	GALV	GALV	GALV

MATERIAL ABBREVIATIONS:
GALV - GALVANIZED STEEL

DRAINAGE AND VENT PIPE MATERIAL SCHEDULE

PIPE SYSTEM	COMPONENT	INDOORS EXPOSED	INDOORS - CONCEALED			UNDERGROUND	REMARKS
			IN WALLS AND ABOVE CEILINGS THAT ARE NOT PLENUMS	PLUMBING CHASES	HVAC RETURN AIR PLENUMS		
SANITARY SEWER (SS); SANITARY VENT (V)	PIPE	CI1 OR PV1	CI1 OR PV1	CI1 OR PV1	CI1	CI2 OR PV1	NA

PIPE SYSTEM MATERIALS, FITTINGS, AND JOINTS

CAST-IRON PIPE:
CI1 ALL SIZES: CAST-IRON SOIL PIPE, SERVICE WEIGHT, HUBLESS; DRAINAGE PATTERN FITTINGS; SHIELDED COUPLING HEAVY DUTY JOINTS, OR STANDARD DUTY WITH 4 MINIMUM 4 BANDS..
CI2 ALL SIZES: CAST-IRON SOIL PIPE, SERVICE WEIGHT HUB AND SPIGOT; DRAINAGE PATTERN FITTINGS; COMPRESSION JOINTS

PVC PLASTIC PIPE
PV1 ALL SIZES: PVC, SCH40; DRAINAGE-PATTERN FITTINGS; SOLVENT CEMENTED JOINTS

SCHEDULE NOTES:
A. "CONCEALED APPLIES TO PIPING IN WALLS, PIPE CHASES, AND ABOVE REMOVABLE CEILINGS.

Order Plans @ www.LDILine.com

SPENCER BRISTOL ENGINEERING, INC.
A Grey Company
3977 PARKWAY LANE, SUITE 250
PEACHTREE CORNERS, GEORGIA 30092
TEL. 770.441.1628 FAX 770.441.6024
SBE PROJECT NO. 19086

PERMIT SET

NO.	DESCRIPTION	DATE

CITY OF MONROE
PUBLIC SAFETY & MUNICIPAL COURT COMPLEX RENOVATION
140 BLAINE ST. MONROE, GA 30655

10-29-19

STUDIOGROUP
ARCHITECTURE INC.
UNIT 1A
ATLANTA, GEORGIA 30313
T 404 855 0950
F 404 855 0955
INFO@STUDIOGROUP.COM
© 2019 STUDIOGROUP ARCHITECTURE GROUP

THIS DRAWING IS AN INSTRUMENT OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM, ELECTRONICALLY OR MECHANICALLY, FOR ANY PURPOSE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT.

PLUMBING SCHEDULES

PROJECT # 19160MONRpo
DATE: Issue Date
DRAWN BY: JAA
CHECKED BY: DC

P500

SCALE NTS