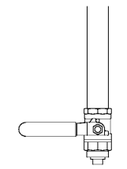
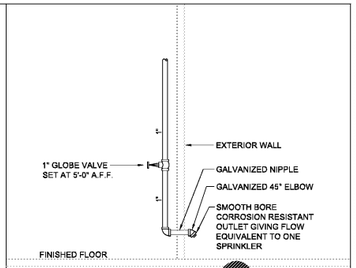
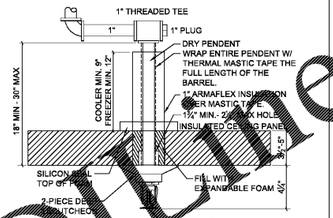


1. VALVE NOT SMALLER THAN ¾"
2. NIPPLE NOT SMALLER THAN ¾"
3. CAP OR PLUG (AT LEAST ONE SHALL BE BRASS)

AUXILIARY DRAIN DETAIL NTS 9



INSPECTOR'S TEST DETAIL NTS 4

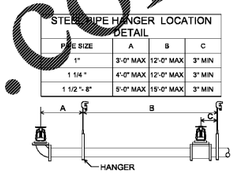


WET OR FREEZABLE DRY PENDENTS ONLY

DRY PENDENT INSTALLATION DETAIL NTS 8

STEEL PIPE HANGER LOCATION DETAIL

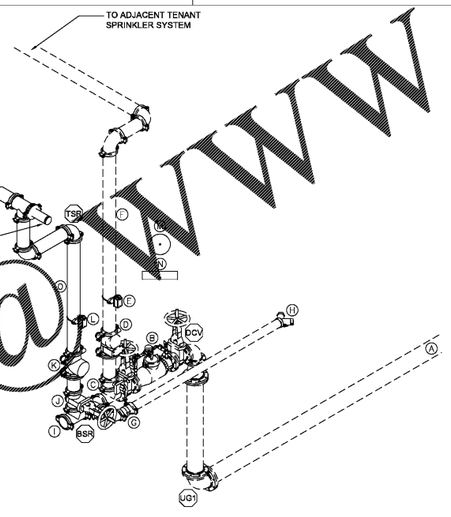
PIPE SIZE	A	B	C
1"	3'-0" MAX	12'-0" MAX	3" MIN
1 1/4 "	4'-0" MAX	12'-0" MAX	3" MIN
1 1/2 "- 8"	5'-0" MAX	15'-0" MAX	3" MIN



THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE SHALL NOT EXCEED 36" FOR 1" PIPE, 48" FOR 1¼" PIPE AND 60" FOR 1½" PIPE OR LARGER.

THE CUMULATIVE HORIZONTAL LENGTH OF AN UNSUPPORTED ARMOVER TO A SPRINKLER, SPRINKLER DROP, OR SPRIG-UP SHALL NOT EXCEED 24".

PIPE HANGER SCHEDULE NTS 3



NOTE:
INSTALL A HYDRAULIC CALCULATION PLATE INDICATING THE BASE OF RISER SPRINKLER DEMAND FOR EACH DESIGN CALCULATION AREA.
TOTAL SPRINKLERS FOR THE PUBLIX RISER = 496

FIRE SPRINKLER RISER DETAIL NTS 11

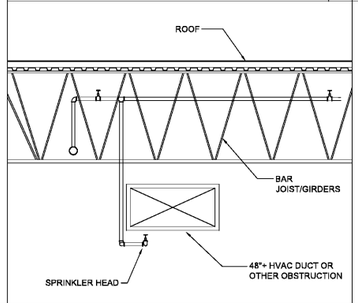
SCHEDULE 10 SPECIFICATIONS

NPS	INCH OD	MM OD	INCH ID	MM ID	NOMINAL WALL	NOMINAL WEIGHT	UL
2½	2.875	73.0	2.635	66.9	.120	5.80	5.79
3	3.500	88.9	3.260	82.8	.120	5.76	4.34
4	4.500	114.3	4.260	108.2	.120	5.80	3.37
5	5.563	141.3	5.295	134.5	.134	5.40	2.75
6	6.625	168.3	6.357	161.5	.134	5.40	2.33
8	8.625	219.1	8.249	209.5	.188	7.10	2.23

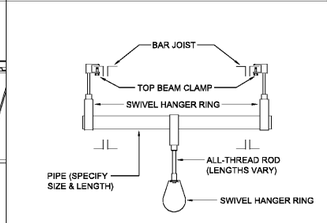
SCHEDULE 40 SPECIFICATIONS

NPS	NOM OD	NOM ID	NOMINAL WALL	NOMINAL WEIGHT	UL
1	1.315	33.4	1.049	26.6	.133	3.24	10.79	2.50	1.00
1¼	1.660	42.2	1.380	35.1	.140	3.53	13.71	1.95	1.00
1½	1.900	48.3	1.610	40.9	.145	3.68	15.71	1.66	1.00
2	2.375	60.3	2.067	52.5	.154	3.91	19.61	1.30	1.00

PIPE SCHEDULE NTS 7



OBSTRUCTIONS OVER 48" WIDE NTS 6

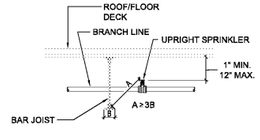


BRANCH LINE PIPE MAY HANG FROM THE BOTTOM OF STEEL. ALL CROSS MAIN PIPING SHALL HANG TO THE TOP OF STEEL.

TRAPEZE HANGER DETAIL NTS 1

Legend	
ID	Description
A	EXISTING 8" INCOMING WATER LINE
B	EXISTING 6" AMES 3000SS DOUBLE DETECTOR CHECK VALVE
C	EXISTING 6" BUTTERFLY VALVE WITH TAMPER SWITCH
D	EXISTING 6" EASY RISER CHECK VALVE
E	EXISTING WATER FLOW SWITCH
F	EXISTING 6" FIRE SPRINKLER RISER TO ADJACENT TENANT
G	EXISTING 4" CHECK VALVE FOR THE FIRE DEPARTMENT CONNECTION
H	EXISTING FIRE DEPARTMENT CONNECTION
I	EXISTING 6" GROOVED TEE WITH END CAP
J	NEW 6" GROOVED OS&Y VALVE WITH TAMPER SWITCH
K	NEW 6" ALARM CHECK VALVE
L	NEW WATER FLOW SWITCH
M	EXISTING ELECTRIC BELL LOCATED ON OUTSIDE WALL. NEW FLOW SWITCH TO TIE INTO EXISTING BELL.
N	SPARE HEAD CABINET PER NFPA 13.
O	NEW 6" FIRE SPRINKLER RISER FOR THE PUBLIX STORE

FIRE SPRINKLER RISER LEGEND NTS 10



TYPICAL JOIST CLEARANCE REQUIREMENTS FOR UPRIGHT SPRINKLERS

SPRINKLER CLEARANCE NTS 5

Order Plans @ www.LDLine.com

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PLANNERS
INTERIOR DESIGNERS
LANDSCAPE ARCHITECTS
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PUBLIX PROTOTYPE BASIS OF DESIGN
20M
EXPANDED
RECEIVED: 09.14.18

CORPORATE OFFICES, FACILITIES DESIGN
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(863) 680-5295
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Publix SUPER MARKETS

FIRE PROTECTION DETAILS
EAST COBB PUBLIX - #1745
EAST COBB CROSSING SHOPPING CENTER
ROSEWELL ROAD
MARIETTA, GA. 30062

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CONSTR.	

REVISIONS:

FADI K GHUNAIM
GA. PE: #35338

FP-2.2

Issue Date: 04-01-20
Project No.: 220006

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