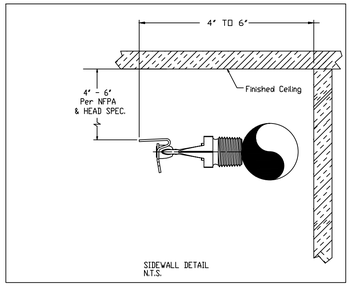
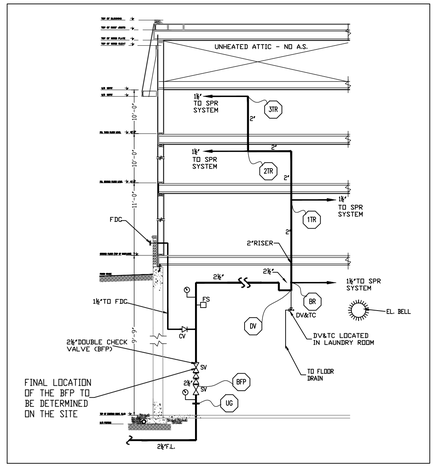


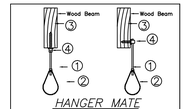
SIDEWALL DETAIL
N.T.S.

NOTE:

1 - SIDEWALL SPR. DEFLECTOR TO BE INSTALLED WITH THE DEFLECTOR PARALLEL WITH THE CEILING.
IF THE CEILING IS SLOPING SPRINKLER DEFLECTOR SHOULD FOLLOW THE CEILING SLOPE (3RD FLOOR ONLY WHERE APPLICABLE).

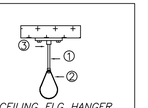


RISER SCHEMATIC
N.T.S.



HANGER MATE

1	COACH SCREW ROD	1
2	SWIVEL RING	1
3	NIL	0
4	NIL	0
5	NIL	0



CEILING FLG HANGER
HANGER CODE #10

10

1	ATR	1
2	SWIVEL RING	1
3	CEILING FLANGE	1
4	NIL	0
5	NIL	0

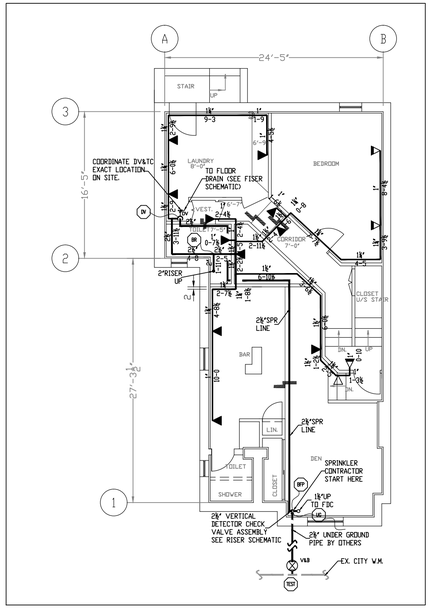
SPACE HANGERS PER MANUFACTURES RECOMMENDATIONS.

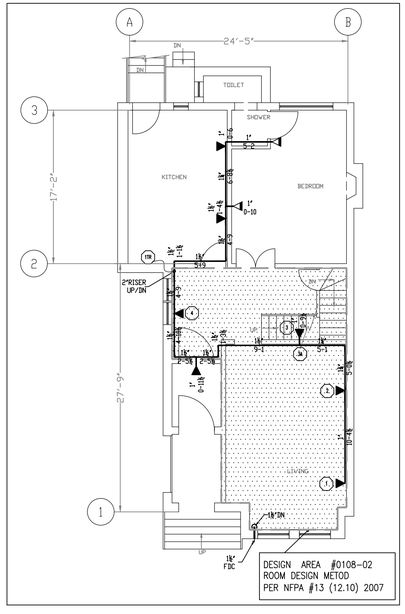
NOTES:

1. ALL DIMENSIONS ARE CENTER TO CENTER
2. MAX. DEFLECTOR DISTANCE 12" U/S DECK OR SLAB U.N.O.
3. CONTRACTOR TO MAKE SITE CHECK FOR INTERFERENCES, DIMENSIONS, PIPING LOCATION & ELEVATION PRIOR TO FABRICATION & INSTALLATION
4. ALLOW FOR PIPING, FITTINGS, ETC. TO INSTALL PENDANT HEADS
5. HANGER TO SUIT STRUCTURE & NFPA STANDARDS
6. **ALL BIDDERS TO VISIT SITE PRIOR TO PRICING & MAKE FAMILIAR WITH EXISTING SITE CONDITIONS**
7. ALLOW FOR OFFSET DUE TO INTERFERENCE & COORDINATION
8. **CONTRACTOR TO CONFIRM WATER SUPPLIES AND CALCULATION PRIOR TO INSTALLATION**
9. CONTRACTOR TO ALLOW FOR HEADS U/S OBSTRUCTIONS OVER 1200mm (4'-0" WIDE) AND AS OUTLINED BY NFPA #13.
10. **CONTRACTOR TO CONFIRM APPROVALS BEFORE INSTALLATION**
11. THE OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE WET SPRINKLER PIPE ARE INSTALLED.
12. SYSTEM DESIGNED TO NFPA # 13 & 13R STANDARDS & OBC CODES 3.2.5.13, 3.2.5.16, .

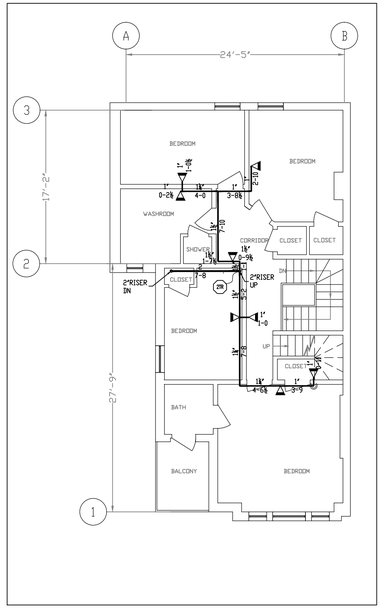
NOTE:

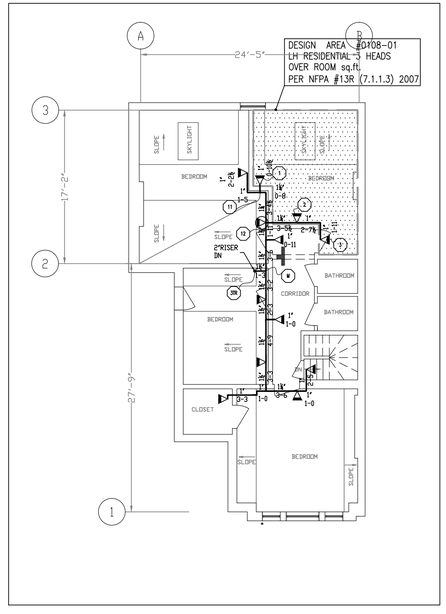
1 - ALL EXPOSED PIPE TO BE STEEL PIPE



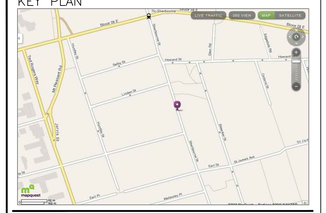


DESIGN AREA #0108-02
ROOM DESIGN METOD
PER NFPA #13 (12.10) 2007





KEY PLAN



NEW SPRINKLER PIPE SCHEDULE

1" TO 1½" SCH. 40 BLACK
2" TO 2½" SCH. 10 BLACK

ISSUED FOR PERMIT ONLY

REVISION/ISSUED FOR		
DATE	DESCRIPTION	BY
01/19/11	ISSUED FOR PERMIT	M.S.

IMPORTANT
TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING, OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED.

SPRINKLER SCHEDULE & LEGEND

SYMBOL	SPRINKLER DESCRIPTION	ORIFICE	"K"	TEMP.	FINISH	QTY.
◁	Q.R. HORIZONTAL S'WALL LFII (14'x14')	1/2"	4.2	155°F	CHR.	25
◁1	Q.R. HORIZONTAL S'WALL LFII (16'x16')	1/2"	4.2	155°F	CHR.	1
◁	EXT. COV S'WALL (16'x16')	3/4"	8.0	155°F	CHR.	1
◀	Q.R. S'WALL SPR. (14'x14')	1/2"	5.6	155°F	CHR.	18
	TOTAL COUNT THIS SHEET =					

BMGA SPRINKLERS LTD.
FIRE PROTECTION ENGINEERING
297 CREEK PATH AVENUE, OAKVILLE, ONT., L6L 6T8
PHONE: (905) 510-0865 www.bmgasprinklers.ca
EMAIL: sales@bmgasprinklers.ca

IMPORTANT
In locations subject to freezing conditions, it is the owner's responsibility to provide heat (min. 4 °C.) throughout wet pipe sprinkler systems areas and in enclosures for dry pipe, deluge and other types of valves controlling water supplies to sprinkler systems.

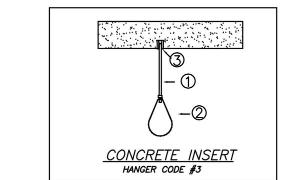
This drawing and the information and design application herein contained is the property of BMGA Sprinklers Ltd. and is loaned upon express conditions that the same is returned to BMGA upon request. all information herein contained shall be treated as secret, and confidential. no reproduction of this drawing or any part thereof shall be made without written concent of BMGA Sprinklers Ltd.

PROJECT:
PROPOSED RESIDENTIAL
SPRINKLER SYSTEM
572 SHERBOURNE STR., ONTARIO,

DRAWING TITLE:
BSMT. TO 3rd FLOOR - SPRINKLER LAYOUT

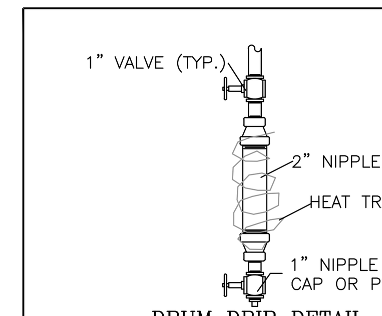
DESIGNER	G.S.
SCALE	1/8"=1'-0"
DATE	DEC./22/2010
CHECK BY	G.S.
CONTRACT NO.	0108
DWG. NO.	SP - 1

NORTH



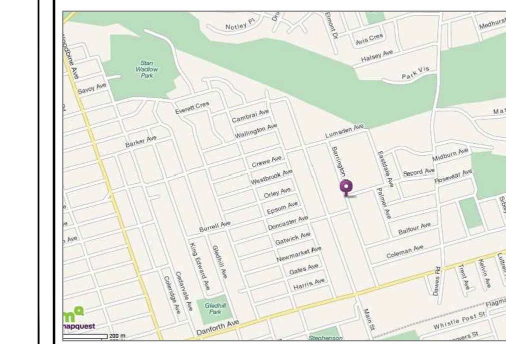
CONCRETE INSERT
HANGER CODE #3

	3	
①	ATR	1
②	SWIVEL_RING	1
③	CONC.SHIELD	1
④	NIL	0
⑤	NIL	0



DRUM DRIP DETAIL
LOCATE ON SITE

KEY PLAN



NEW SPR. PIPE

EX. SPR. PIPE

NOTES

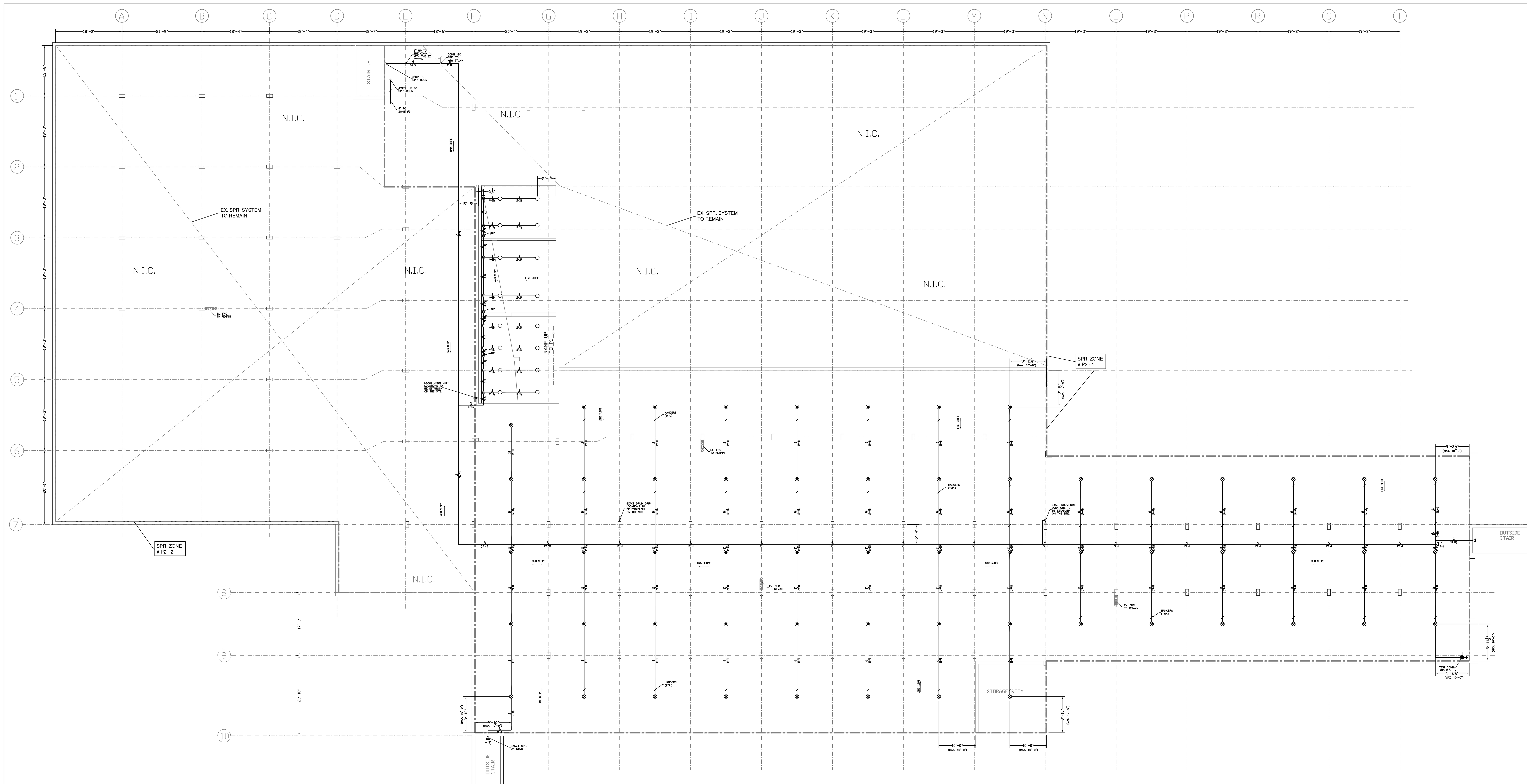
1. SLOPE PARKING SYSTEM BRANCH LINES 1/2" IN 10'-0" & MAIN 1/4" IN10'-0".
2. OWNERS TO PROVIDE SUFFICIENT HEAT IN SPRINKLER ROOM IN ORDER TO MAINTAIN THE ROOM AT 4°C (40°F) OR ABOVE.
3. MIN. CLEARANCE THROUGHOUT AREAS 6'-7".
4. PROVIDE SIGN AT THE DRY PIPE VALVE INDICATING THE TOTAL NUMBER OF LOW POINT DRAINS AND THE LOCATION OF EACH INDIVIDUAL DRAIN.

NOTES:

1. ALL DIMENSIONS ARE CENTER TO CENTER
2. MAX. DEFLECTOR DISTANCE 12" U/S DECK OR SLAB U.N.O.
3. CONTRACTOR TO MAKE SITE CHECK FOR INTERFERENCES, DIMENSIONS, PIPING LOCATION & ELEVATION PRIOR TO FABRICATION & INSTALLATION
4. ALLOW FOR PIPING, FITTINGS, ETC. TO INSTALL PENDANT HEADS
5. HANGER TO SUIT STRUCTURE & NFPA STANDARDS
6. **ALL BIDDERS TO VISIT SITE PRIOR TO PRICING & MAKE FAMILIAR WITH EXISTING SITE CONDITIONS**
7. ALLOW FOR OFFSET DUE TO INTERFERENCE & COORDINATION
8. **CONTRACTOR TO CONFIRM WATER SUPPLIES AND CALCULATION PRIOR TO INSTALLATION**
9. CONTRACTOR TO ALLOW FOR HEADS U/S OBSTRUCTIONS OVER 1200mm (4'-0" WIDE) AND AS OUTLINED BY NFPA #13.
10. **CONTRACTOR TO CONFIRM APPROVALS BEFORE INSTALLATION**
11. THE OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE WET SPRINKLER PIPE / FSP ARE INSTALLED.
12. SYSTEM DESIGNED TO NFPA # 13 STANDARD & OBC CODES 3.2.5.13, 3.2.5.16, (O.B.C. 3.2.9 WHENEVER APPLICABLE).

SPRINKLER PIPE SCHEDULE

1"	TO 1 1/4"	SCH 40 BLK.
1 1/2"	TO 6"	SCH 10 BLK.



REVISION/ISSUED FOR		
DATE	DESCRIPTION	BY
03/15/11	ISSUED FOR PERMIT	G.S.

IMPORTANT
TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING, OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED.

SPRINKLER SCHEDULE & LEGEND

SYMBOL	SPRINKLER DESCRIPTION	ORIFICE	"K"	TEMP.	FINISH	QTY.
○	STD. RESP. UPRIGHT HEAD	1/2"	5.6	155°F	BR.	16
△	DRY STD. RESP. SIDEWALL C/W GUARD	1/2"	5.6	155°F	BR.	2
⊗	STD. RESP. EX. COV. O.H. UPR (TY5137)	3/4"	11.2	155°F	BR	58
					TOTAL COUNT THIS SHEET =	

BMGA SPRINKLERS LTD.
FIRE PROTECTION ENGINEERING
297 CREEK PATH AVENUE, OAKVILLE, ONT., L6L 6T8
PHONE: (905) 510-0865
EMAIL: sales@bmgasprinklers.ca

PROJECT:
2 SECORD DR. - PARKING
SPRINKLER PIPE REPLACEMENT
2 SECORD DRIVE
TORONTO, ONTARIO

DRAWING TITLE:
P-2 PARKING - FIRE PROTECTION

DESIGNER	
SCALE	3/32"=1'-0"
DATE	MAR. 17/2011
CHECK BY	G.S.
CONTRACT NO.	0113
DWG. NO.	SP - 2

NORTH

FOR APPROVALS ONLY