



P4 PARKING LEVEL (-45'-3") - SPRINKLERS  
SCALE 1/8" = 1'-0"

REVISIONS	
1.0	ISSUED FOR TENDER 10/15/15

**NOTES**

**SPRINKLER SYSTEM DESIGN CRITERIA:**

**PARKING GARAGE:**  
AS PER NFPA 13 ORD. HAZARD GR. 1 0.15/1950 SQ. FT. (1500X13 FOR DRY SYSTEM)  
PLUS 250 GPM IH AND OH

**RETAIL SPACE:**  
AS PER NFPA 13 ORD. HAZARD GR. 2 0.2/1500 SQ. FT. PLUS 250 GPM IH AND OH

**RESIDENTIAL UNITS:**  
SHALL BE THE GREATER OF THE FOLLOWING:  
1. IN ACCORDANCE WITH MINIMUM FLOW RATES INDICATED IN INDIVIDUAL LISTINGS  
2. CALCULATED BASED ON DELIVERING A MINIMUM OF 0.1 GPM/FT<sup>2</sup> OVER THE DESIGN AREA IN ACCORDANCE WITH THE PROVISIONS OF 8.5.2.1 OR 8.5.2.1.2  
PLUS 100 GPM FOR IH & OH

**MECHANICAL PENETRATION:**  
AS PER NFPA 13 ORD. HAZARD GR. 2 0.2/1500 SQ. FT. PLUS 250 GPM IH & OH

**STANDARD SYSTEM DESIGN CRITERIA**

80 GPM FOR THE MOST REMOTE 1 1/2" OUTLET PLUS 30 GPM FOR ONE ADDITIONAL OUTLET AT A PRESSURE OF 65 PSI, FED THROUGH FIRE DEPARTMENT CONNECTION

250 GPM FOR THE MOST REMOTE 2 1/2" OUTLET PLUS 250 GPM FOR ONE ADDITIONAL OUTLET AT A PRESSURE OF 65 PSI FED THROUGH FIRE DEPARTMENT CONNECTION

**SPRINKLER PIPING NOTES:**

1. SPRINKLER MAIN PIPING IN CORRIDORS ON RESIDENTIAL LEVELS IS TO BE SCHEDULE 10 BLACK STEEL TYPE PIPE.
2. SPRINKLER BRANCHING PIPING IN RESIDENTIAL UNITS IS TO BE BLAZEMASTER OR BLACK STEEL SCHEDULE 10/40 TYPE PIPE.

**SPRINKLER LEGEND**

	TYCO SERIES EC-14 3/4" 150°F EC SR BRASS UPRIGHT SPRINKLER K=14.0 OH 1 MAX. COV. 20'X20' MAX. 12" DEFLECTOR	111
	TYCO SERIES EC-14 3/4" 150°F EC SR BRASS UPRIGHT SPRINKLER K=14.0 OH 1 MAX. COV. 20'X20' MAX. 12" DEF. ON 1.25" OUTLETS	54
	1/2" 165°F SC SR BRASS UPRIGHT SPRINKLER K= 5.6 OH	9
	1/2" 165°F SC SR BRASS SIDEWALL SPRINKLER K= 5.6 OH	9
	1/2" 165°F SC OR CONCEALED PENDENT SPRINKLER C/W WHITE COVERPLATE K= 5.6 LH	13
	1/2" 286°F SC OR CHROME PENDENT SPRINKLER K= 5.6 LH	7
	1/2" 212°F SC SR BRASS SIDEWALL SPRINKLER K= 5.6 OH	7
	VIKING MODEL V4468 FREEDOM RESIDENTIAL SEMI-RECESSED CHR. PENDENT SPRINKLER C/W CHROME ESCUTCHEON PLATE 1/2" K=4.9 155°F	
	VIKING MODEL V4460 FREEDOM RESIDENTIAL HORIZONTAL CHROME SIDEWALL SPRINKLER C/W CHROME ESCUTCHEON PLATE 1/2" K=5.8 155°F 6" DEFLECTOR U.N.D.	
	FIRE HOSE CABINET SEE DETAIL SHEET SP1	

**SPRINKLER NOTES:**

1. SPRINKLER DEFLECTORS TO BE LOCATED MINIMUM 1" BELOW LIGHTS AND CAPITALS MAXIMUM 12" BELOW CONCRETE DECK
2. ALL UET SPRINKLER PIPING LOCATED IN UNHEATED AREAS TO BE HEAT TRACED. (BY OTHERS)
3. ALL EXTENDED COVERAGE SPRINKLERS LOCATED ON P1 LEVEL TO BE INSTALLED ON 1 1/4" OUTLETS
4. ALL STANDARD COVERAGE SPRINKLERS LOCATED ON P1 LEVEL TO BE INSTALLED ON 1" OUTLETS
5. SPRINKLER CONTRACTOR TO PROVIDE AUXILIARY DRAINS FOR ALL TRAPPED PIPING
6. ALL FIRE HOSE CABINETS ARE AS PER THE LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS

**TRIDEL**  
BUILT FOR LIFE

4800 Dufferin St  
Toronto, Ontario M3H 5S9  
(tel): 416-861-9290

**MIRENDA**  
INTERNATIONAL INC. LTD.

15171 Yonge Street Suite 202  
Aurora Ontario L4G 1M1  
(tel): 905-727-0092  
(fax): 905-727-5517

**NORTH** **STAMP**

PROJECT		AQUAVISTA AT BAYSIDE TORONTO MERCHANT'S WHARF TORONTO, ONTARIO
DWG TITLE		P4 PARKING LEVEL SPRINKLER LAYOUT
DATE	PROJECT NO.	
10/15/2015	15-678	
SCALE	DWG NO.	
1/8"=1'-0"	SP5	
DWN BY	OF SP20	
M.B.		
ISSUED FOR REVISION NO.		
1.0		