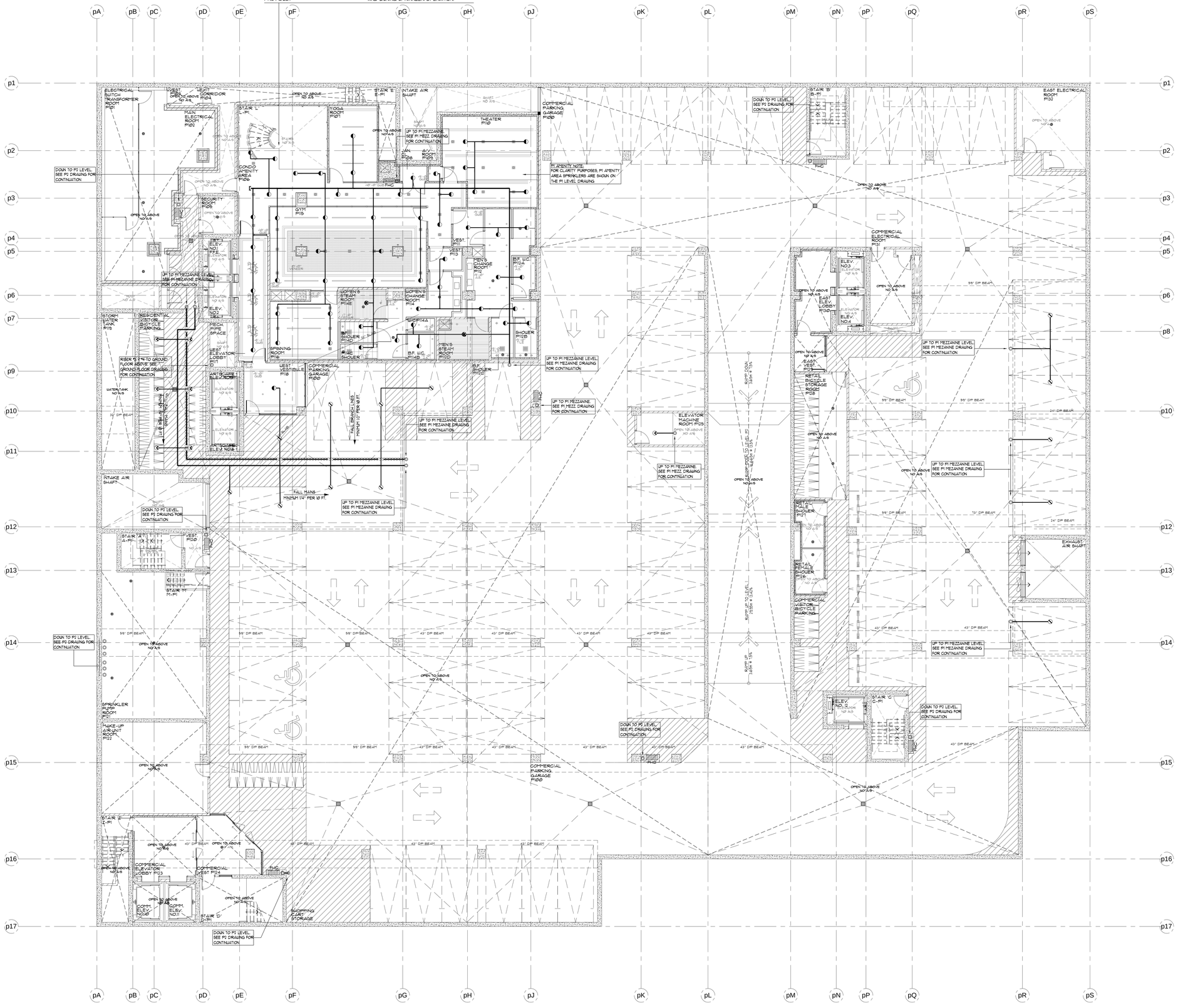
VERTICAL OPENING NOTE:
SPRINKLERS SHALL BE SPACED NOT MORE THAN 6 ft. APART AND PLACED 6 in. TO 12 in. FROM THE DRAFT STOP ON THE SIDE AWAY FROM THE OPENING. WHERE SPRINKLERS ARE CLOSER THAN 6 ft. CROSS BAFFLES SHALL BE PROVIDED.

DRAFT STOP NOTE:
DRAFT STOPS SHALL MEET ALL OF THE FOLLOWING:
(1) THE DRAFT STOPS SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE OPENING.
(2) THE DRAFT STOPS SHALL BE AT LEAST 18 in. DEEP.
(3) THE DRAFT STOPS SHALL BE OF NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE MATERIAL THAT WILL STAY IN PLACE BEFORE AND DURING SPRINKLER OPERATION.



P1 PARKING LEVEL (-17'-6½") - SPRINKLERS
SCALE 1/8" = 1'-0"

SPRINKLER NOTES:

1. SPRINKLER DEFLECTORS TO BE LOCATED MINIMUM 1" BELOW LIGHTS AND CAPITALS MAXIMUM 12" BELOW CONCRETE DECK
2. ALL WET 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 1¼" 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

REVISIONS

1.0	ISSUED FOR TENDER	10/15/15
2.0	ISSUED FOR TENDER – ADDENDUM #1	10/23/15

NOTES

SPRINKLER SYSTEM DESIGN CRITERIA:

PARKING GARAGE:
AS PER NFPA 13 ORD. HAZARD GR. 1 0.15/1950 SQ. FT. (1500X1.3 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/FT² OVER THE DESIGN AREA IN ACCORDANCE WITH THE PROVISIONS OF 8.5.2.1 OR 8.6.2.1.2

PLUS 100 GPM FOR IH & OH

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

STANDPIPE SYSTEM DESIGN CRITERIA

50 GPM FOR THE MOST REMOTE 1½" OUTLET PLUS 50 GPM FOR ONE ADDITIONAL OUTLET AT A PRESSURE OF 65 PSI, FED THROUGH FIRE DEPARTMENT CONNECTION

250 GPM FOR THE MOST REMOTE 2½" 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 BRANCHLINE PIPING IN RESIDENTIAL UNITS IS TO BE BLAZEMASTER OR BLACK STEEL SCHEDULE 10/40 TYPE PIPE

SPRINKLER LEGEND

	TYCO SERIES EC-14 3/4" 155°F EC SR BRASS UPRIGHT SPRINKLER K=14.0 OH 1 MAX. COV. 20'X20' MAX. 12" DEFLECTOR	13
	TYCO SERIES EC-14 3/4" 155°F EC SR BRASS UPRIGHT SPRINKLER K=14.0 OH 1 MAX. COV. 20'X20' MAX. 12" DEF. ON 1.25" OUTLETS	
	1/2" 165°F SC SR BRASS UPRIGHT SPRINKLER K= 5.6 OH	7
	1/2" 165°F SC SR BRASS SIDEWALL SPRINKLER K= 5.6 OH	
	1/2" 165°F SC QR CONCEALED PENDENT SPRINKLER C/W WHITE COVERPLATE K= 5.6 LH	54
	1/2" 286°F SC QR CHROME PENDENT SPRINKLER K= 5.6 LH	2
	VIKING MODEL VK468 FREEDOM RESIDENTIAL SEMI-RECESSED CHR. PENDENT SPRINKLER C/W CHROME ESCUTCHEON PLATE 1/2" K=4.9 155°F	
	VIKING MODEL VK460 FREEDOM RESIDENTIAL HORIZONTAL CHROME SIDEWALL SPRINKLER C/W CHROME ESCUTCHEON PLATE 1/2" K=5.8 155°F 8" DEFLECTOR U.N.O.	
	FIRE HOSE CABINET SEE DETAIL SHEET SP1	8

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NORTH

STAMP

LICENSED PROFESSIONAL ENGINEER
R.A.SEVERINI
OCT.23/15
PROVINCE OF ONTARIO

PROJECT
AQUAVISTA
AT BAYSIDE TORONTO
MERCHANT'S WHARF
TORONTO, ONTARIO

DWG TITLE
P1 PARKING LEVEL
SPRINKLER LAYOUT

DATE JUNE 2015	PROJECT NO. 15-678
SCALE 1/8"=1'-0"	
DWN BY M.B.	DWG NO. SP2
ISSUED FOR REVISION NO. 2.0	OF SP21