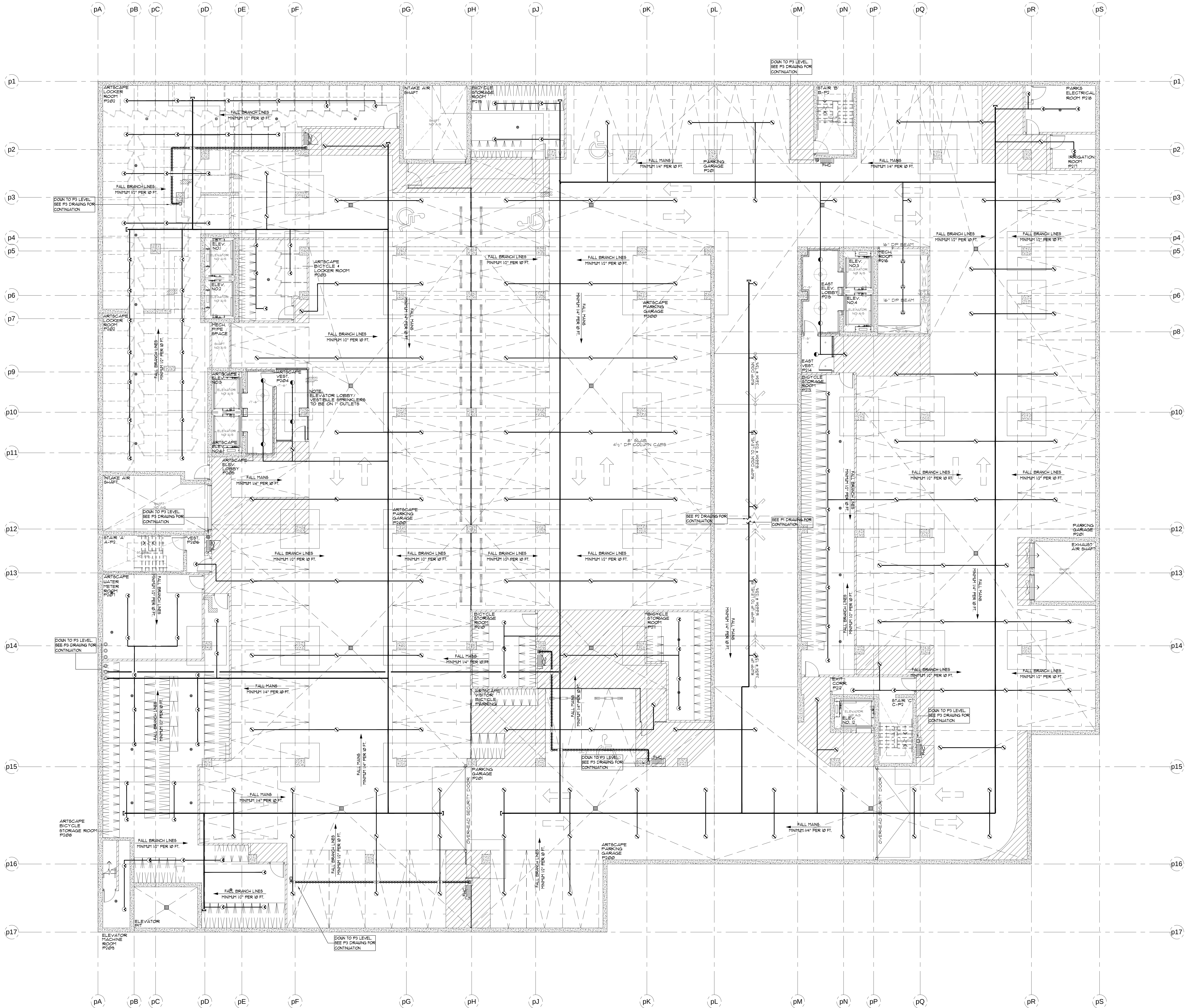




P2 PARKING LEVEL (-26'-11") - SPRINKLERS
SCALE 1/8" = 1'-0"

REVISIONS		
1.0	ISSUED FOR TENDER	10/15/19
2.0	ISSUED FOR TENDER - ADDENDUM #1	10/23/19

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/FT ² 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 1 1/2" 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 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 BRANCHLINE PIPING IN RESIDENTIAL UNITS IS TO BE BLACKMASTER 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	127
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	85
1/2" 165°F SC SR BRASS UPRIGHT SPRINKLER K=5.6 OH	3
1/2" 165°F SC SR BRASS SIDEWALL SPRINKLER K=5.6 OH	7
1/2" 280°F SC OR CHROME PENDENT SPRINKLER C/W WHITE COVERPLATE K=5.6 LH	
VIKING MODEL VK480 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 1/2" K=5.8 155°F 8" DEFLECTOR U.N.O.	
FIRE HOSE CABINET SEE DETAIL SHEET SP1	6

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

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4800 Dufferin St
Toronto, Ontario M3H 5S9
(tel): 416-661-9290

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

NORTH

STAMP

10/23/19

PROVINCE OF ONTARIO

PROJECT	
AQUAVISTA AT BAYSIDE TORONTO MERCHANT'S WHARF TORONTO, ONTARIO	
DWG TITLE	
P2 PARKING LEVEL SPRINKLER LAYOUT	
DATE	PROJECT NO.
JUNE 2015	15-678
SCALE	
1/8"=1'-0"	
DWN BY	DWG NO.
M.B.	SP3
ISSUED FOR REVISION NO.	
2.0	OF SP21