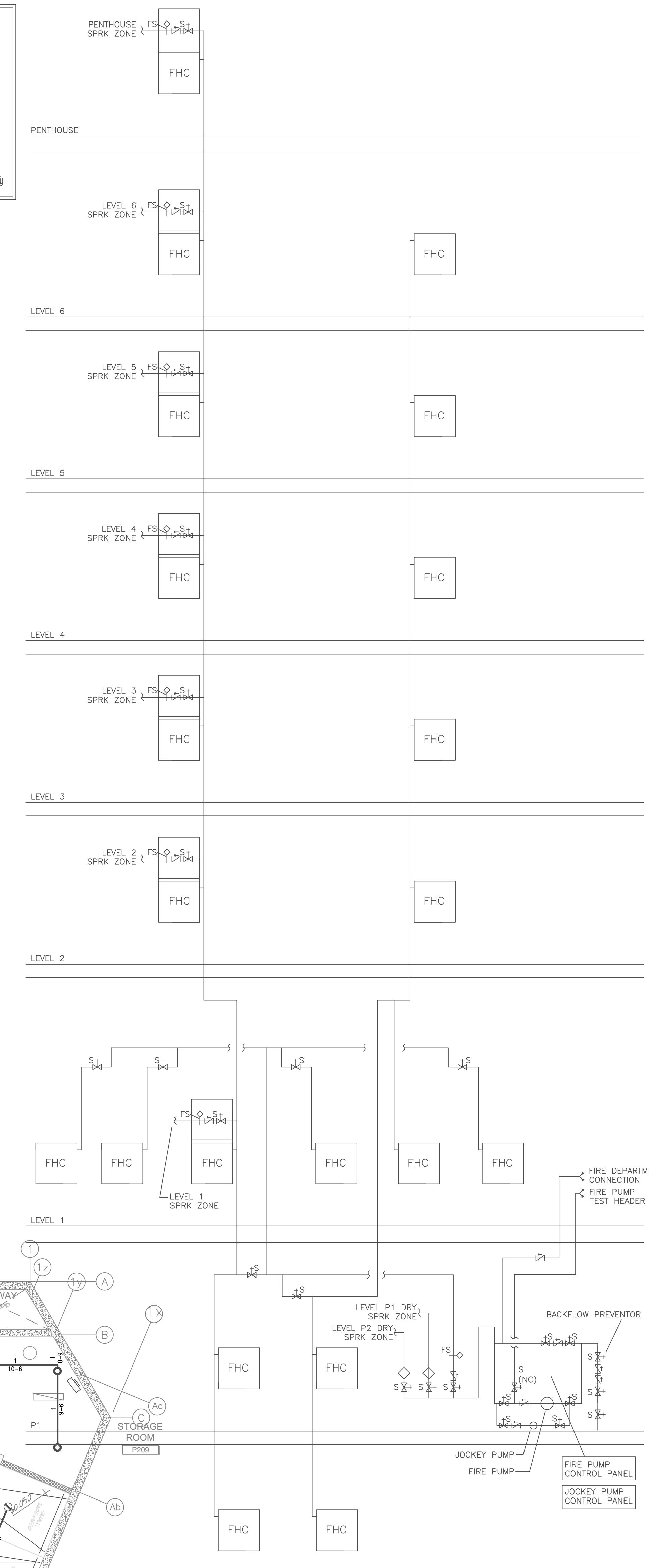
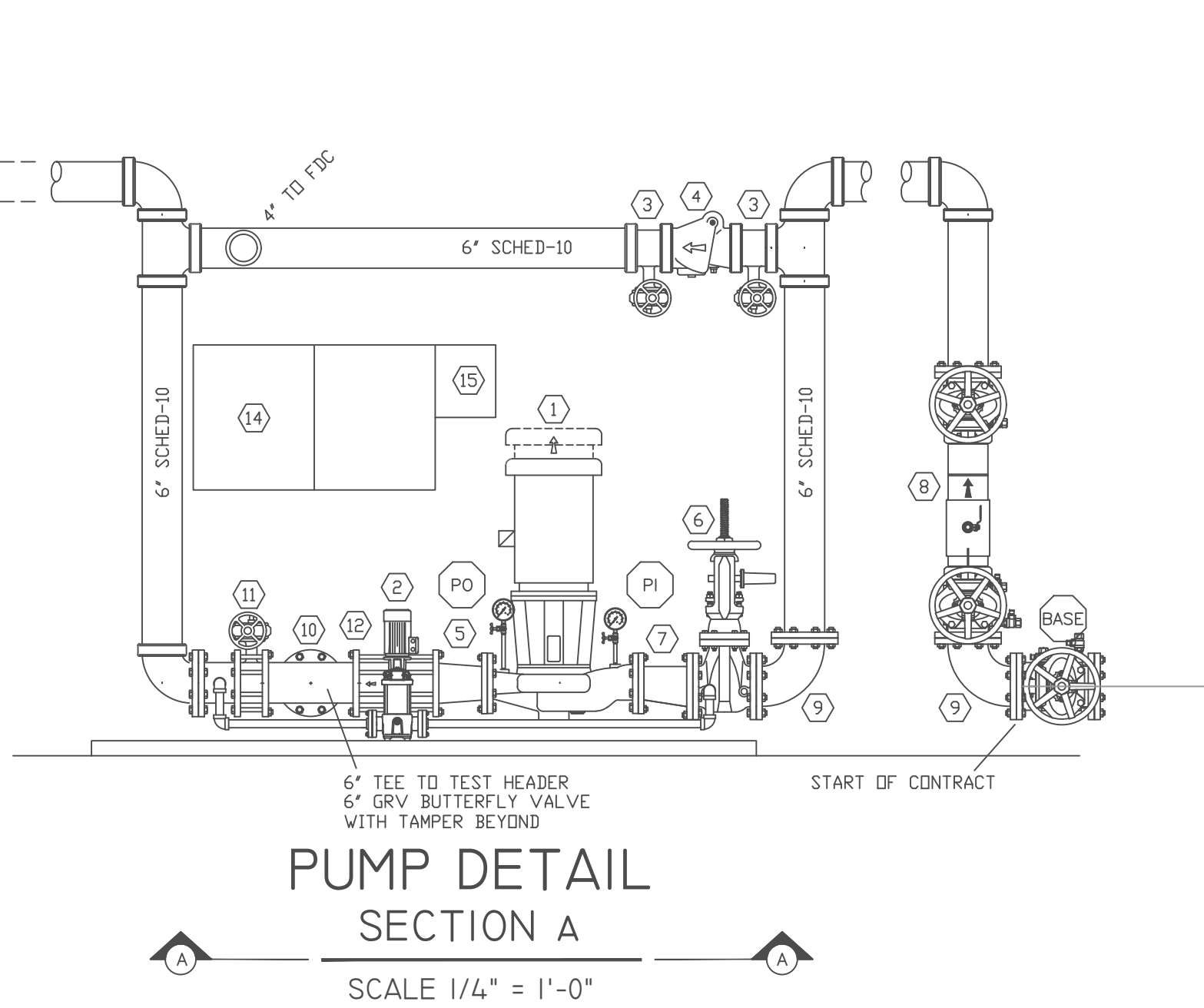
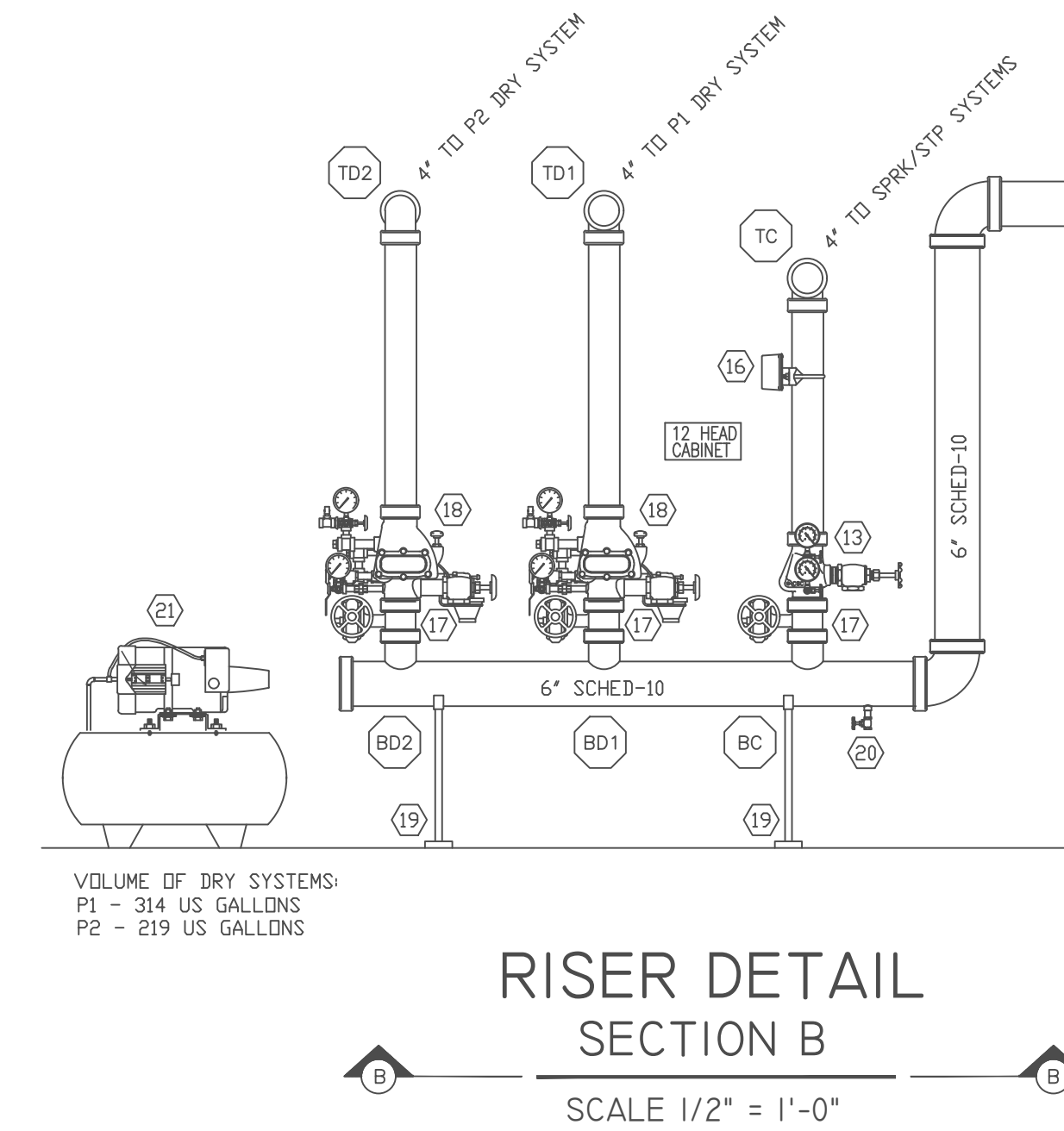
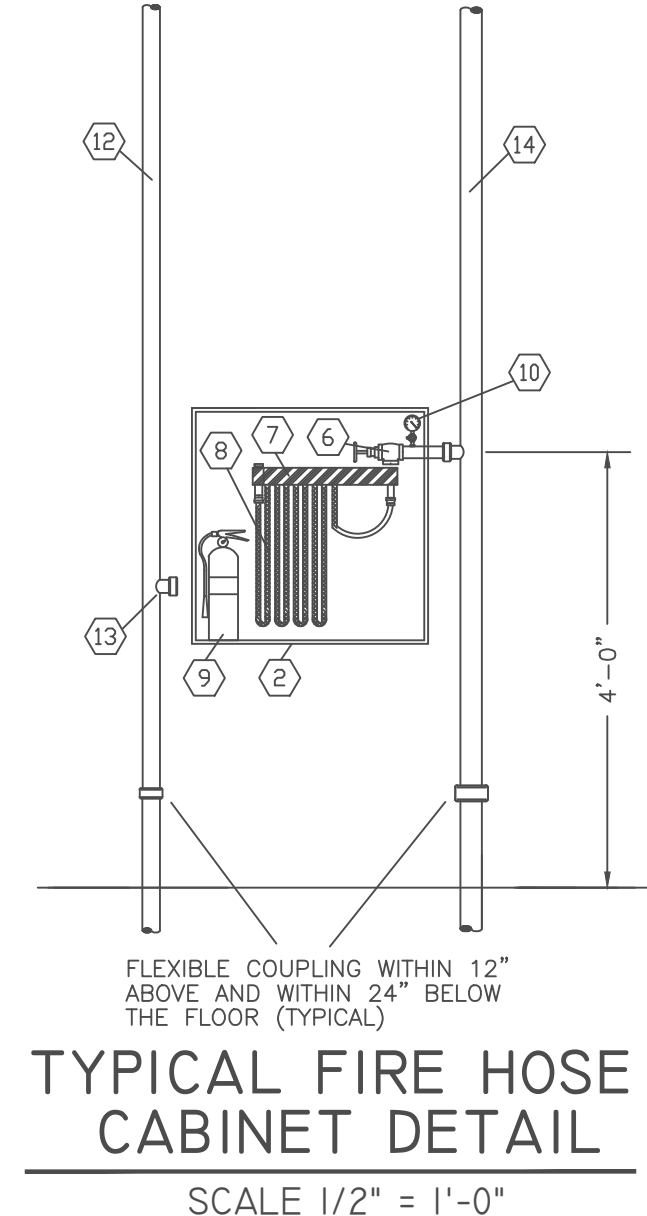
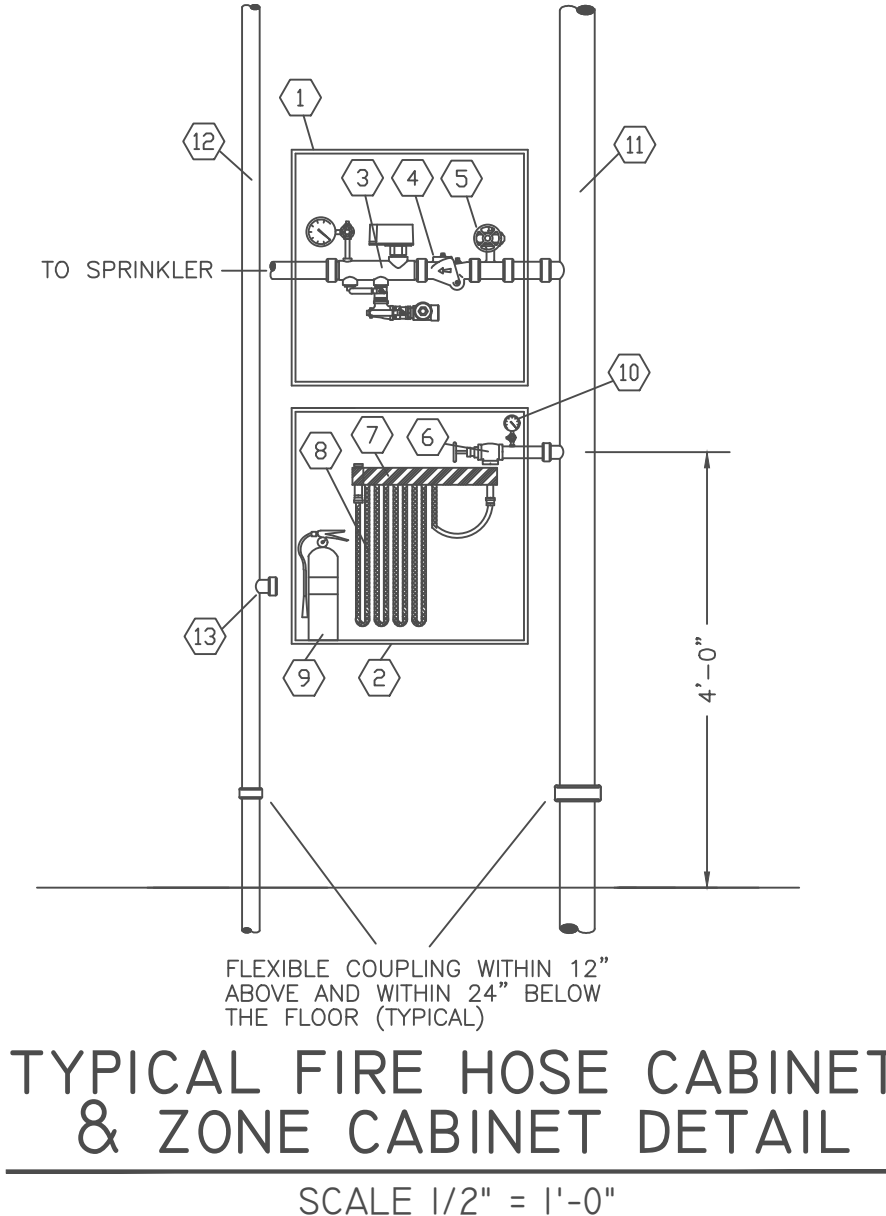


- GENERAL NOTES:
- OUR WORK CONSISTS OF INSTALLING NEW FIRE SPRINKLER AND STANDPIPE PROTECTION AS SHOWN ON PLANS. START OF CONTRACT BEGINS AT 8" FLANGED CONNECTION IN WATER ENTRY ROOM P112. SYSTEM DESIGN PER NFPA 13, NFPA 14, NFPA 20, 2013 EDITION, CBC AND OFC.
 - ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION (N.F.P.A.) CODES AND PROVINCE OF ONTARIO REQUIREMENTS. ALL APPLICABLE DEVICES SHALL BE UNDERWRITERS LABORATORIES (ULUS) LISTED.
 - SYSTEM HYDRAULIC REQUIREMENTS SHALL BE IN ACCORDANCE WITH NFPA 13, 2013 EDITION. THE REMOTE AREAS SHOWN ON THE PLANS REPRESENT THE HYDRAULICALLY MOST REMOTE AREA OF THE BUILDING (BUT NOT ALWAYS THE PHYSICALLY MOST REMOTE).
 - SEE THE SPRINKLER LEGEND ON THIS SHEET FOR SPRINKLER CHARACTERISTICS, FINISHES, AND TEMPERATURE RATINGS. ALL HEADS SHALL CONFORM TO THIS LEGEND UNLESS SPECIFICALLY NOTED ON THE PLANS.
 - WIRE GUARDS SHALL BE PROVIDED FOR HEADS IN AREAS SUSCEPTIBLE TO DAMAGE.
 - ALL HANGERS TO BE LOCATED AND INSTALLED PER NFPA 13, 2013.
 - HIGH AND INTERMEDIATE TEMPERATURE SPRINKLERS WILL BE LOCATED WHERE REQUIRED BY NFPA 13 2013.
 - FIRE DEPARTMENT CONNECTION TO BE MOUNTED 18"-36" ABOVE FINISHED GRADE.
 - WET SYSTEMS:
PIPING 2" AND LARGER (FEED MAINS AND CROSS MAINS) SHALL BE, IN GENERAL:
SCHEDULE 10, BLACK STEEL PIPE (ASTM 135) WITH -
ORANGE ENAMEL VICTAULIC STANDARD GROOVED OR "FIRELOCK" GROOVED FITTINGS WITH RIGID COUPLINGS
PIPING 1 1/2" AND SMALLER (BRANCH LINES ETC...) SHALL BE, IN GENERAL:
SCHEDULE 40, BLACK STEEL PIPE (ASTM 135) WITH
CLASS #125 CAST OR MALLEABLE IRON THREADED FITTINGS
DRY SYSTEMS:
PIPING 2" AND LARGER (FEED MAINS AND CROSS MAINS) SHALL BE, IN GENERAL:
SCHEDULE 10, GALVANIZED STEEL PIPE (ASTM 135) WITH
ORANGE ENAMEL VICTAULIC STANDARD GROOVED OR "FIRELOCK" GROOVED FITTINGS WITH RIGID COUPLINGS
PIPING 1 1/2" AND SMALLER (BRANCH LINES ETC...) SHALL BE, IN GENERAL:
SCHEDULE 40, GALVANIZED STEEL PIPE (ASTM 135) WITH GALVANIZED THREADED FITTINGS
DRY PIPE BRANCH LINES TO BE PITCHED 1/2" PER 10 FT. MAINS TO BE PITCHED 1/4" PER 10 FT.
PIPING IS TO BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH N.F.P.A. 13 FOR 2 HOURS AT 200 PSI AT THE SYSTEM RISER OR ZONE CONTROL. ALL TESTING MUST BE WITNESSED BY A REPRESENTATIVE OF THE OWNER.
 - BULKHEADS ARE EXCLUDED FROM TROY LFS SCOPE OF WORK.
 - TAMPER AND WATER FLOW SWITCHES TO BE PROVIDED BY TROY LFS BUT THE WIRING IS BY OTHERS.
 - SEISMIC PROVISIONS OF NFPA 13 HAS BEEN PROVIDED AND IS INCLUDED IN TROY'S SCOPE OF WORK.
 - LIGHT HAZARD DESIGN: SUITES, LOBBY, CORRIDORS, WASHROOMS, ETC.
ORDINARY HAZARD GROUP 1 DESIGN: PARKING GARAGE, MECH, ELEC, STORAGE ROOMS, ETC.
ORDINARY HAZARD GROUP 2 DESIGN: LEVEL 1 RETAIL TENANT SPACES

WATER FLOW INFORMATION:

LOCATION: 10 ROSEMOUNT AVE, OTTAWA, ON
STATIC = 64 PSI
RESIDUAL = 62 PSI @ 1390 USGPM
SOURCE: TROY LIFE & FIRE SAFETY LTD
DATE: JUNE 11, 2015

ITEM	DESCRIPTION
1	NATIONAL FIRE EQUIPMENT VALVE CABINET MODEL CH-200-B (200X300)
2	NATIONAL FIRE EQUIPMENT RECESSED FIRE HOSE CABINET MODEL CH-200Z (200X300)
3	2" RISER MANIFOLD ***
4	2" CHECK VALVE ***
5	2" BUTTERFLY VALVE W/ TAMPER SWITCH ***
6	1/2" PRESSURE RESTRICTING ANGLE HOSE VALVE WITH POLISHED CHROME FINISH
7	HOSE RACK
8	1/2" X 100FT FIRE HOSE
9	5LB ABC FIRE EXTINGUISHER
10	PRESSURE GAUGE AT TOP OF RISER
11	4" SPRINKLER/STANDPIPE RISER
12	2" DRAIN RISER
13	1/2" PIPED TO BACK OF CABINET FOR TESTING OF THE 1/2" ANGLE HOSE VALVE
14	2 1/2" STANDPIPE RISER
*** 3" FOR LEVEL 1	
FIRE HOSE CABINET SHALL CONFORM TO C.B.C. 3.2.9.2.	



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POINT OF COMPASS

Work by Troy Life & Fire Safety

Work by others

-ANY 1/2" PIPING
-ANY RELATED ELECTRICAL WORK

SYMBOL LEGEND

- WET SYSTEM RISER
- DRY SYSTEM RISER
- IMPERMEABLE SYSTEM RISER
- DELUGE SYSTEM RISER
- ZONE CONTROL ASSEMBLY
- FLANGED ORISK VALVE WITH TAMPER SWITCH
- DRY BUTTERFLY VALVE WITH TAMPER SWITCH
- GROOVED CHECK VALVE
- PADLOCK TYPE FLOW SWITCH
- APPROXIMATE 1/2" X 100' OF PIPE HANGER
- PIPE STAND LOCATION
- PERMANENT REFERENCE POINT
- FIRE DEPARTMENT CONNECTION
- ELECTRIC BELL
- FIRE HYDRANT
- ELDER FIRE HOSE CABINET
- SURFACE MOUNT FIRE EXTINGUISHER
- RECESSED FIRE EXTINGUISHER CABINET

NO.	DATE	REVISION	BY	CHKD.
1	09/20/16	AS BUILT		

NO.	DATE	REVISION	BY	CHKD.
1	09/20/16	AS BUILT		

NO.	DATE	REVISION	BY	CHKD.
1	09/20/16	AS BUILT		

NO.	DATE	REVISION	BY	CHKD.
1	09/20/16	AS BUILT		

approvals by

AUTHORITY HAVING JURISDICTION

design criteria

SEE NOTES

stamp

Troy
Life & Fire Safety Ltd.

42 ANTARES DRIVE
UNIT 101
OTTAWA, ON
K2E 7Y4

PHONE: 613-224-1951
FAX: 613-224-0265

PROJECT: TAMARACK WELLINGTON
10 ROSEMOUNT AVE, OTTAWA, ON

DESCRIPTION: NOTES, DETAILS & LEVEL P2 PARKING FIRE PROTECTION PLAN

CONTRACT WITH: DORAN RESIDENTIAL CONTRACTORS LTD

CONTRACT NUMBER: 330-11-1681

DATE: SEPT 16, 2015

SCALE: 1/8"=1'-0"

DESIGN: OME

CHECKED BY: SP-1

DRAWING# 1 OF 3

- ① 1" COMBINATION RISER UP/DN - SPN/SP
② 2" DRN RISE UP & DWN
③ 2" DRN RISE UP & DWN
④ 2" DRN RISE UP
⑤ 2" DRN RISE UP
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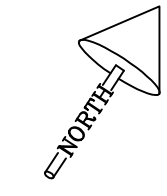
NOTES:

- C-13 ABOVE FINISHED FLOOR PIPE ELEVATION
— C-14 BELOW TOP OF STEEL PIPE ELEVATION
— SPRINKLERS NOT REQUIRED PER NFPA 13 (2013), 8.15.5.6.
SEISMIC NOTES:
— LATERAL SWAY BRACE (2"-3" 30FT MAX. SPACING)
— LONGITUDINAL SWAY BRACE (80FT MAX. SPACING)
— LATERAL SWAY BRACE OMITTED FROM PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6" LONG MEASURED BETWEEN THE TOP OF THE PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE PER NFPA 13 (2013), 9.3.3.1.8

RESIDENTIAL SPRINKLER NOTES:

- SIDEWALL SPRINKLERS TO BE INSTALLED WITH DEFLECTORS LOCATED 4'-12" BELOW CEILING
— SIDEWALL SPRINKLERS MAXIMUM SPACING TO BE 16FT X 18FT (U.N.O.)
— SIDEWALL SPRINKLERS MINIMUM SPACING TO BE 8FT
— PENDENT SPRINKLERS MAXIMUM SPACING TO BE 18FT X 18FT
— PENDENT SPRINKLERS MINIMUM SPACING TO BE 8FT
— SPRINKLERS NOT REQUIRED IN BATHROOMS WITHIN DWELLING UNITS WHERE THE AREA OF THE BATHROOM DOES NOT EXCEED 55 FT. SQ. AS PER NFPA 13, SECTION 8.15.8.1.1.

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POINT OF COMPASS

Work by Troy Life & Fire Safety

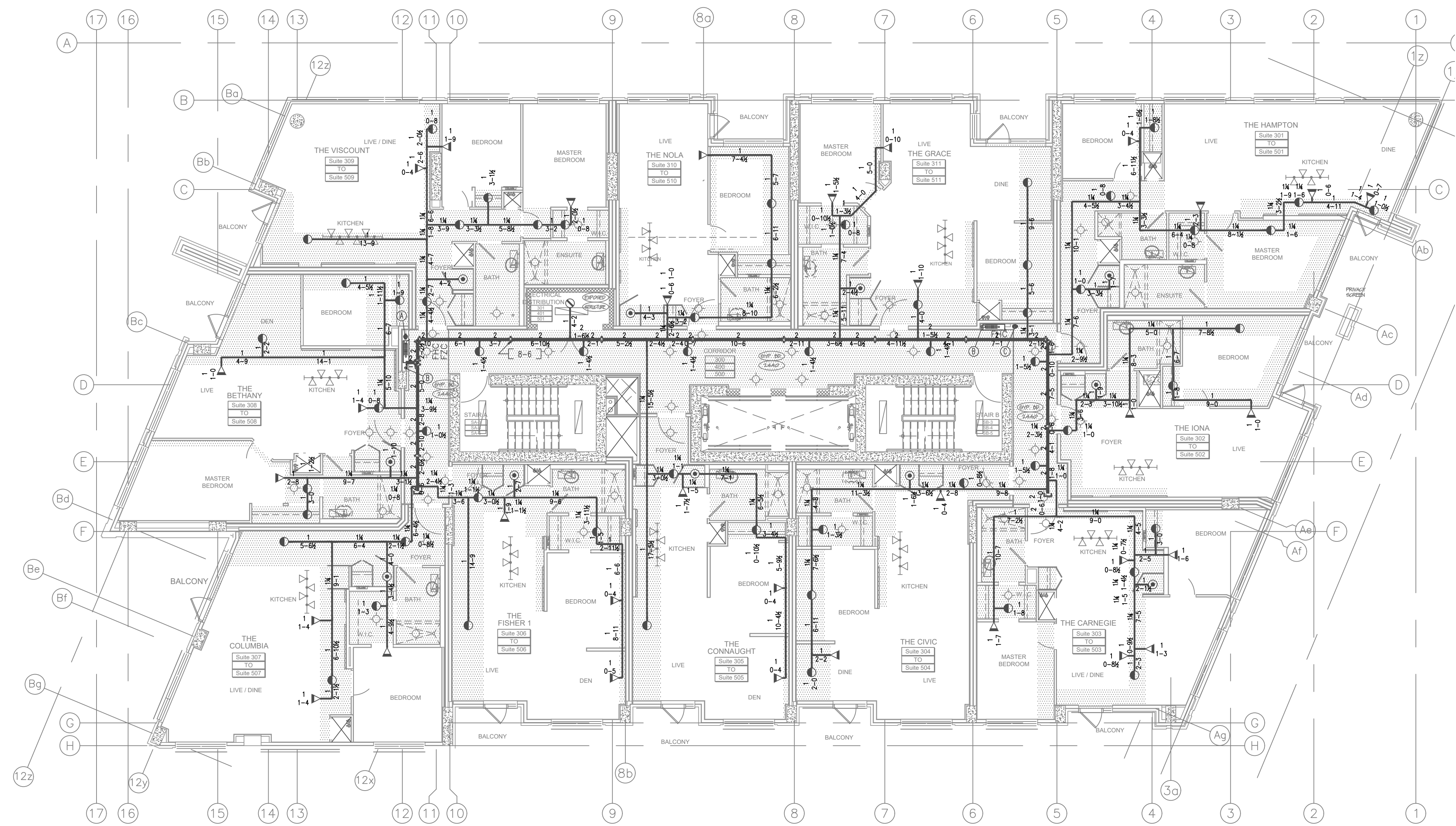
SUPPLY AND INSTALL NEW SPRINKLER PROTECTION AS SHOWN
ALL HANDERS REQUIRED FOR THE INSTALLATION OF THE SPRINKLER PIPING ARE TO CONFORM TO NFPA 13 2013 ED.

Work by others

—ANY U/G PIPING
—ANY RELATED ELECTRICAL WORK

SYMBOL LEGEND

- NET SYSTEM RISER
● DRY SYSTEM RISER
● PREACTION SYSTEM RISER
● RELINQUE SYSTEM RISER
● ZONE CONTROL ASSEMBLY
● FLANGED DRAY VALVE WITH TAMPER SWITCH
● 800V BUTTERFLY VALVE WITH TAMPER SWITCH
● GROOVED CHECK VALVE
● HANDLE TYPE FLOW SWITCH
● APPROXIMATE LOCATION OF PIPE HANGER
● PIPE STAND LOCATION
● HYDRAULIC REFERENCE POINT
● FIRE DEPARTMENT CONNECTION
● ELECTRIC BELL
● FIRE HYDRANT
● RECESSED FIRE EXTINGUISHER CABINET
● FIRE HOSE CABINET
● SURFACE MOUNT THE EXTINGUISHER

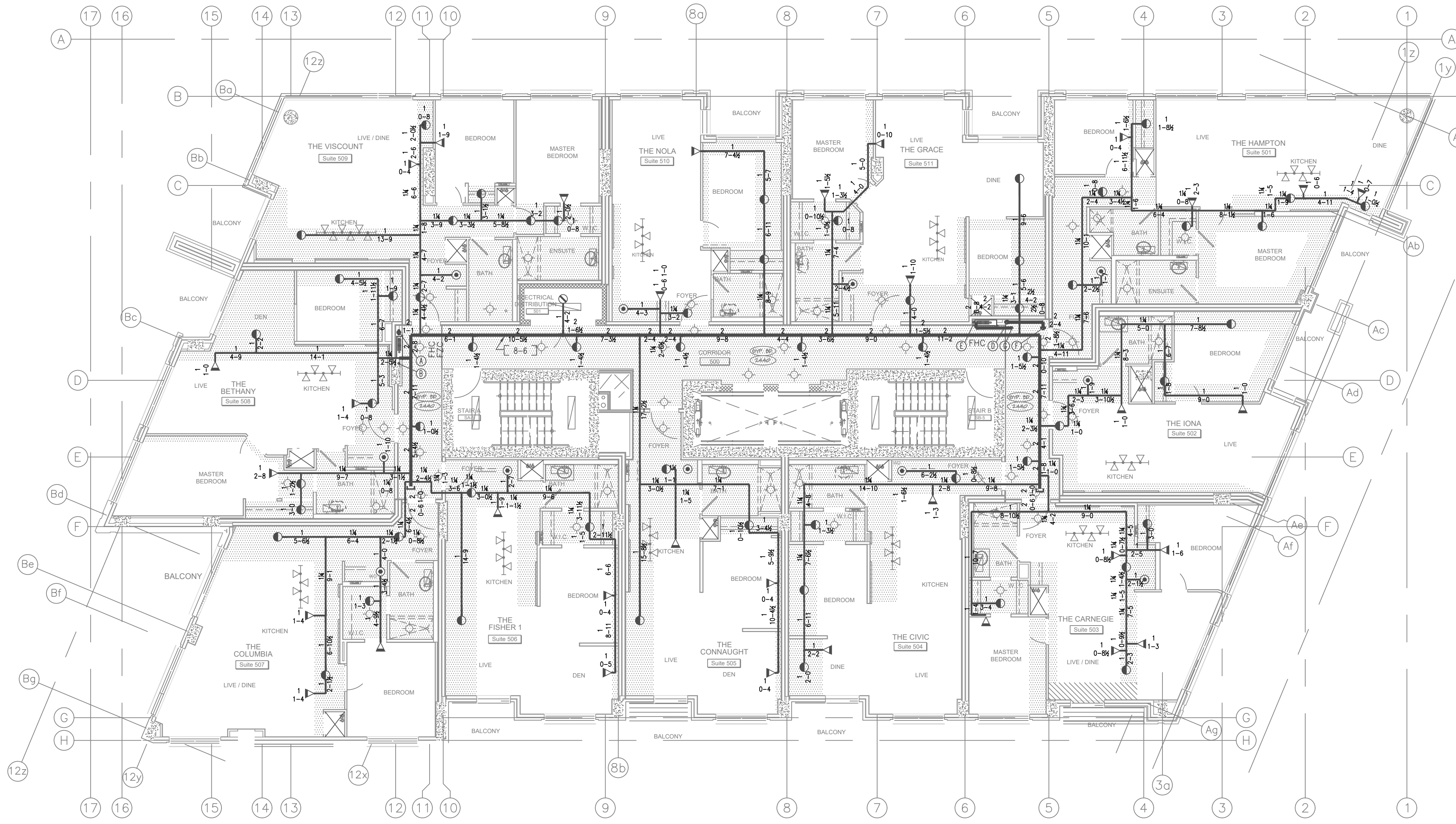


LEVEL 3 - 4 PLAN

SCALE 1/8" = 1'-0"

NOTES:

—ALL PIPE TO BE 8"-6" AFF (U.N.O.)

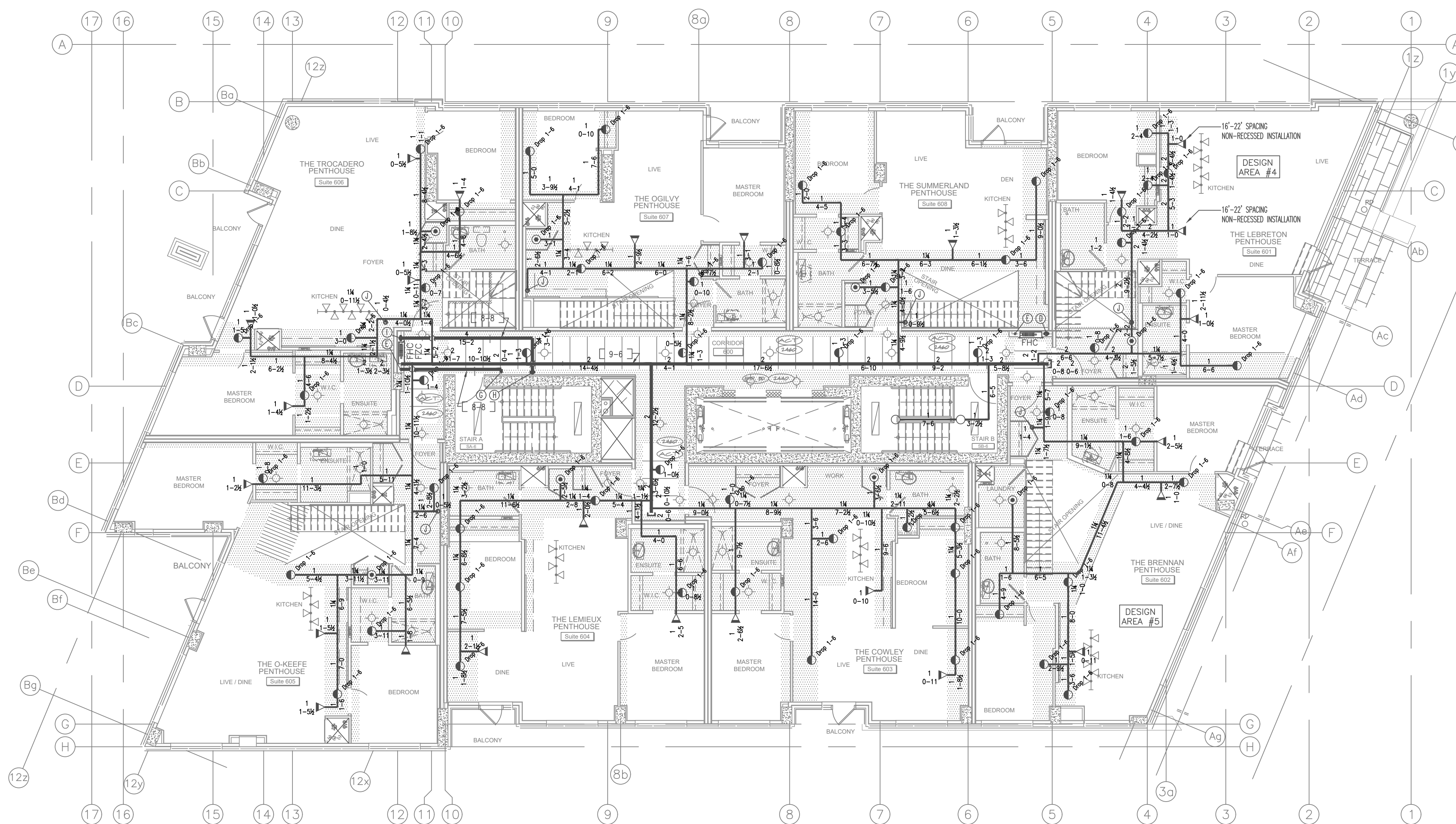


LEVEL 5 PLAN

SCALE 1/8" = 1'-0"

NOTES:

—ALL PIPE TO BE 8"-6" AFF (U.N.O.)



LEVEL 6 PLAN

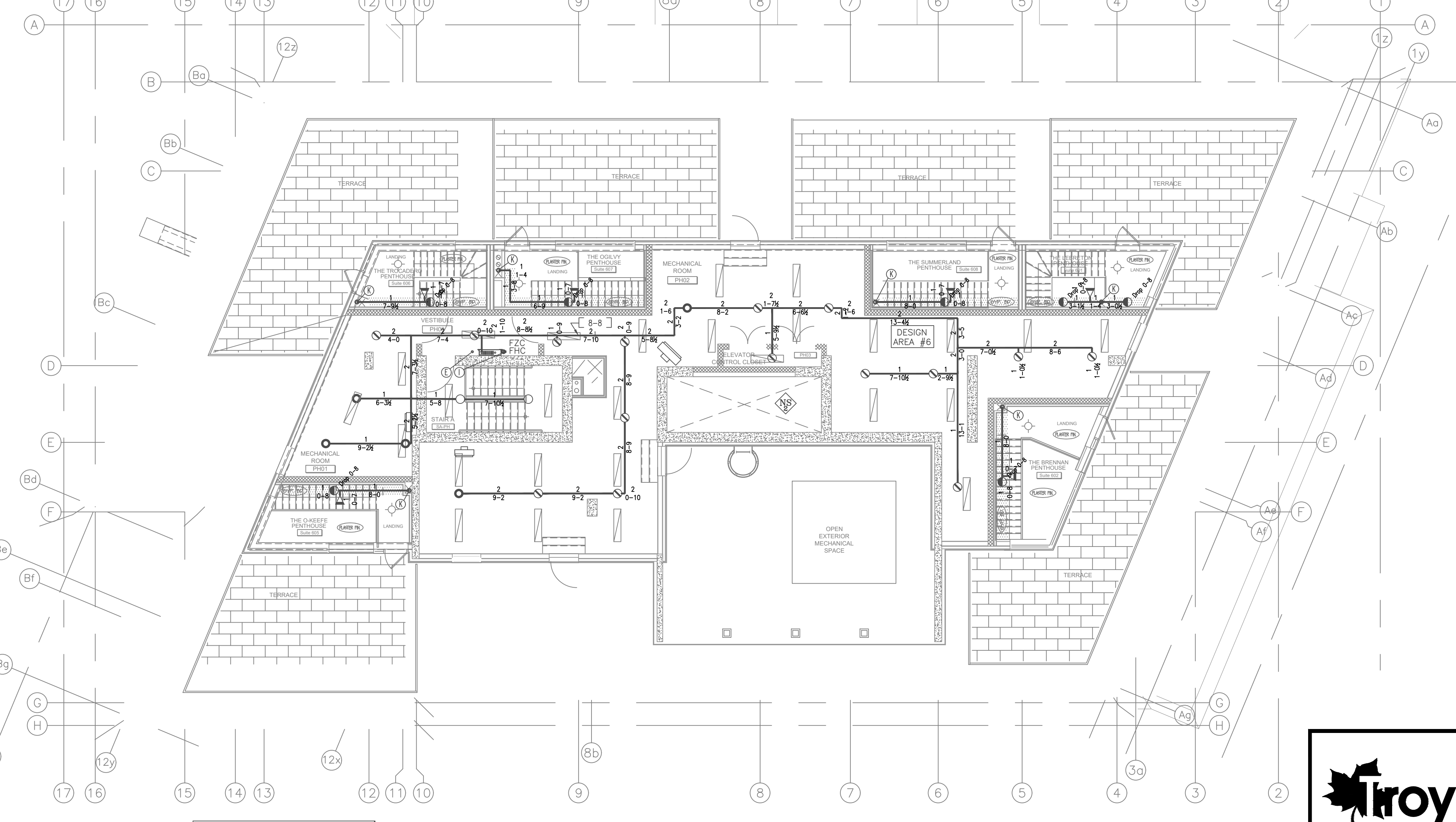
SCALE 1/8" = 1'-0"

NOTES:

—ALL PIPE TO BE 9"-6" AFF (U.N.O.)

SIDEWALL HEAD (S3): 16'02" - 40 GPM @ 47.6 PSI
SIDEWALL HEAD (S2): 16'02" - 40 GPM @ 47.6 PSI
SIDEWALL HEAD (S1): 16'01" - 24 GPM @ 17.1 PSI
SIDEWALL HEAD (S4): 16'01" - 17 GPM @ 12.0 PSI
Design Area No. 4 - LIGHT
Density 0.10 Area 4 HEADS
Flow 253.2 gpm @ 78.2 psi
Includes 100 gpm Hose allowance

PENDENT HEAD (S3): 16'01" - 17 GPM @ 12.0 PSI
SIDEWALL HEAD (S2): 16'01" - 24 GPM @ 17.1 PSI
SIDEWALL HEAD (S1): 16'01" - 17 GPM @ 12.0 PSI
SIDEWALL HEAD (S4): 16'01" - 17 GPM @ 12.0 PSI
Design Area No. 5 - LIGHT
Density 0.10 Area 4 HEADS
Flow 204.2 gpm @ 76.0 psi
Includes 100 gpm Hose allowance



PENTHOUSE PLAN

SCALE 1/8" = 1'-0"

NOTES:

—ALL PIPE TO BE 10" BTS (U.N.O.)

Design Area No. 6 - ONI
Density 0.15 Area 7 HEADS
Flow 397.9 gpm @ 31.4 psi
Includes 250 gpm Hose allowance



42 ANTARES DRIVE
UNIT 101
OTTAWA, ON
K2E 7Y4

PHONE: 613-224-1951
FAX: 613-224-0265

PROJECT:	TAMARACK WELLINGTON		
DESCRIPTION:	LEVELS 3, 4, 5, 6 & PENTHOUSE FIRE PROTECTION PLAN		
CONTRACT WITH:	JORDAN RESIDENTIAL CONTRACTORS LTD	CONTRACT NUMBER:	330-17-1681
DATE:	SEPT 14, 2015	SCALE:	1/8"=1'-0"
DESIGN:	GMP	CHECKED BY:	DR
DATE:	SEPT 14, 2015	SCALE:	1/8"=1'-0"
DESIGN:	GMP	CHECKED BY:	DR
DATE:	SEPT 14, 2015	SCALE:	1/8"=1'-0"
DESIGN:	GMP	CHECKED BY:	DR