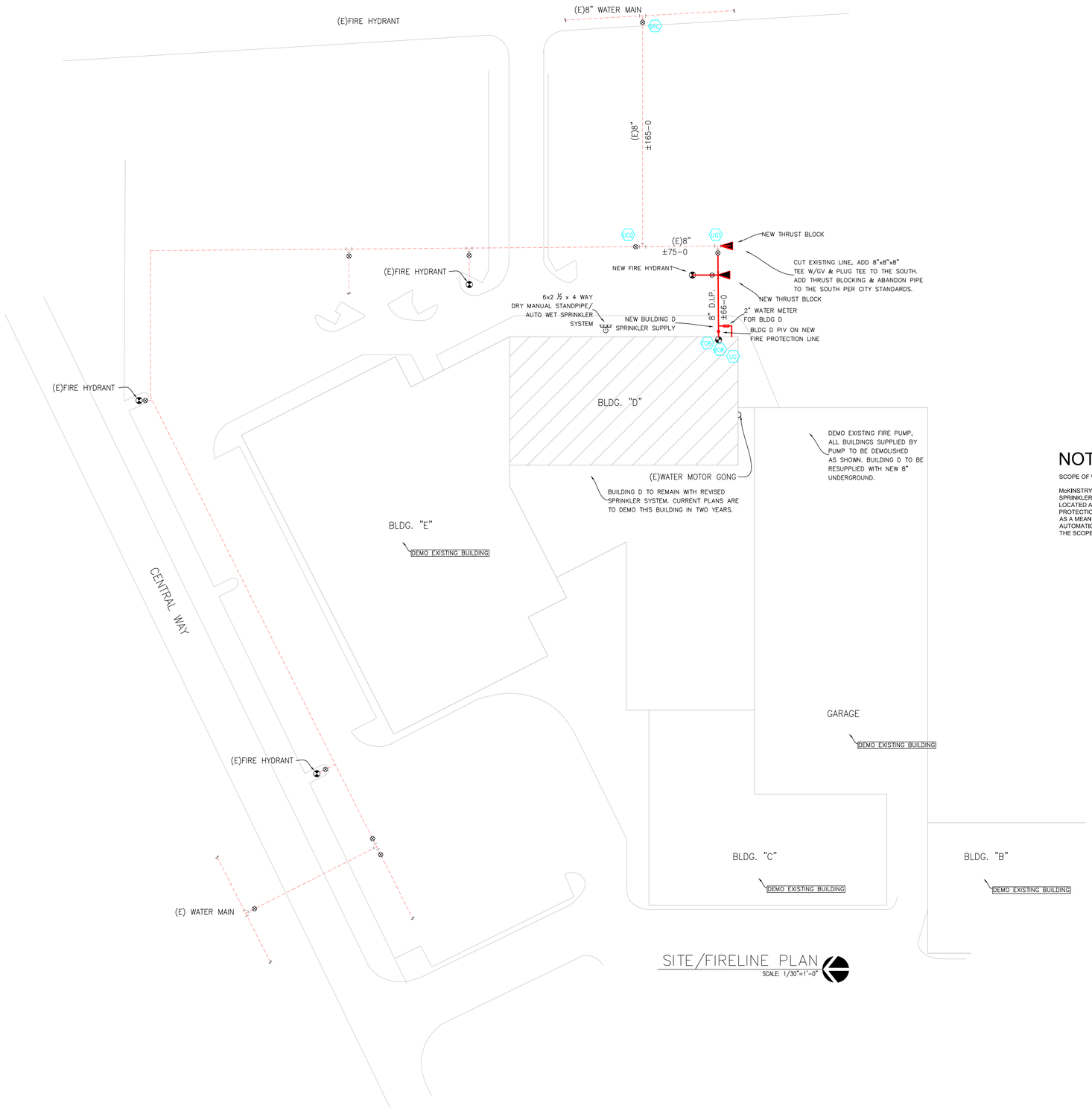


SITE/FIRELINE PLAN
SCALE: 1/30"=1'-0"

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH RISER AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION, AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING. THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

Lt. Chappell
04/26/2016

ΜΟΛΩΝ ΛΑΒΕ

Must Remain On Site

NOTES:

THIS SET OF DOCUMENTS HAS BEEN RE CREATED IN COMPUTER AIDED DESIGN FORMAT UTILIZING THE EXISTING SET OF AS-BUILT DOCUMENTS DATED 12.10.82 FROM BOTTING MECHANICAL CONTRACTORS..

McKinstry
FIRE PROTECTION

SEATTLE:
5005 3RD AVE SOUTH
SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
16790 NE MASON STREET, SUITE 100
PORTLAND, OR 97230
(503) 331 - 0234
LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:

KIRKLAND PARKPLACE
BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature
Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	3/7/2016	PERMIT SET

McKINSTRY DIVISION:

FIRE PROTECTION

DESIGNED BY: GM
DRAWN BY: TW
CHECKED BY: SS
JOB NUMBER: 105854-001
DATE: 3-7-2016
SCALE: SEE PLAN

SHEET TITLE:

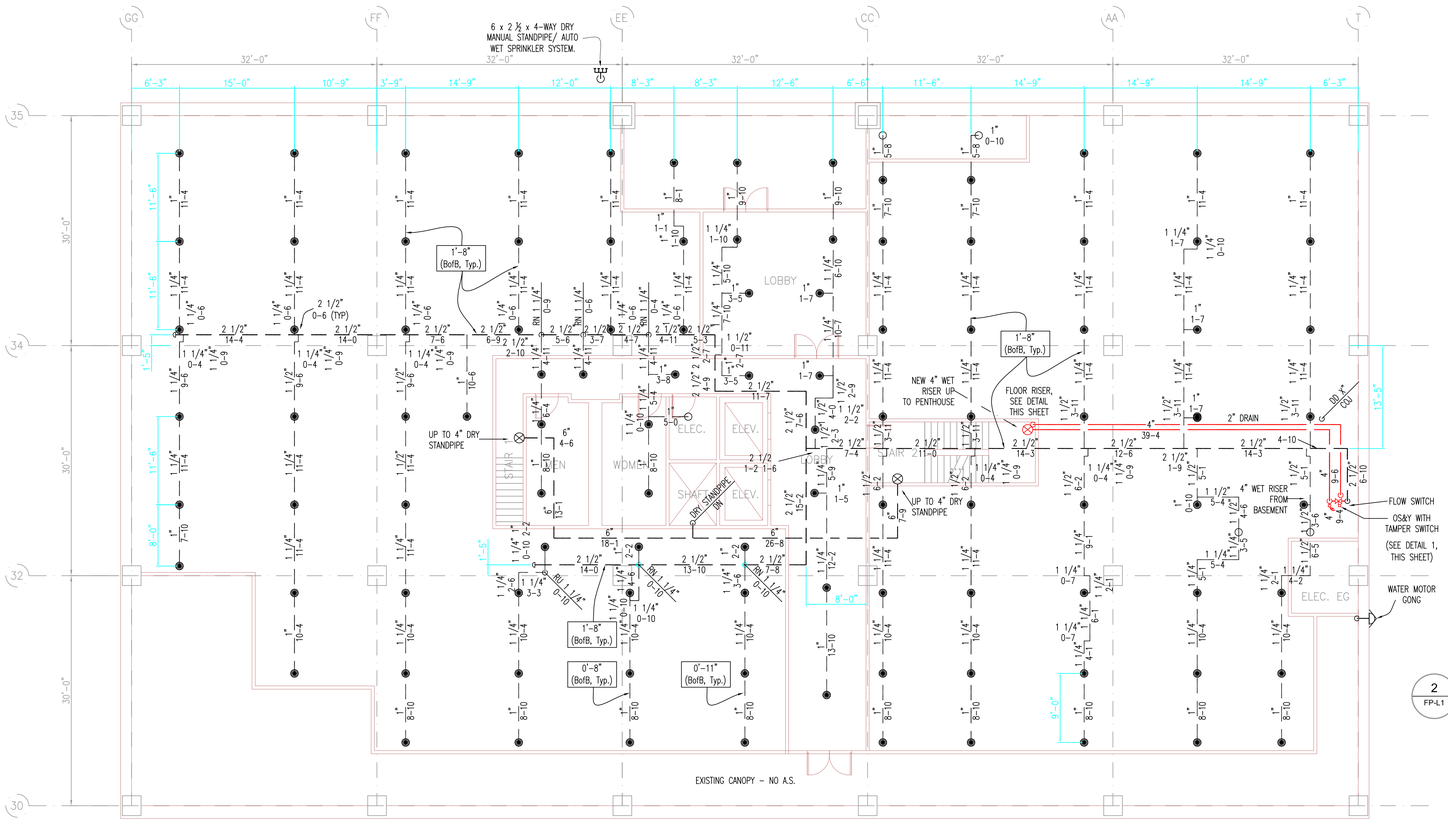
KIRKLAND PARKPLACE SITE PLAN

SHEET NUMBER:

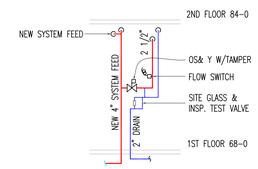
SPRINKLER PLAN
FP-SITE PLAN

FIRE SPRINKLER HEAD LEGEND

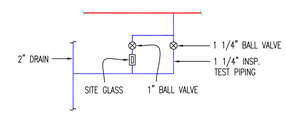
SYMBOL	THREAD	MAKE	MODEL	SIN#	STYLE	ORIFICE	FINISH	TEMP.	K-FACTOR	QUANTITY
●	1/2"	-	-	-	-	1/2"	-	212°	-	103
○	1/2"	-	-	-	-	1/2"	-	212°	-	5
◁	1/2"	-	-	-	-	1/2"	-	212°	-	0
TOTAL SPRINKLERS SHOWN ON THIS SHEET										108
TOTAL SPRINKLERS REQUIRED FOR THIS PROJECT										



2 FP-L1 Level 1
SCALE: 1/8"=1'-0"



FLOOR RISER DETAIL
1ST FLOOR
SCALE: NTS



INSP. TEST DETAIL
SCALE: NTS

SPRINKLER KEY

- ● EXISTING 212° PENDENT SPRINKLER
- ○ EXISTING 212° UPRIGHT SPRINKLER
- ◁ EXISTING 212° DRY SIDEWALL SPRINKLER
- ◐ EXISTING SPRINKLER PIPE CAP
- c EXISTING RISE
- o EXISTING RISER NIPPLE
- — — — EXISTING SPRINKLER PIPING

* SEE SPRINKLER LEGEND FOR SPECIFIC SPRINKLER TYPES *

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE COMBINED FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH RISER AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION, AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING. THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

Must Remain On Site

Lt. Chappell
04/26/2016

ΜΟΛΩΝ ΛΑΒΕ

McKinstry FIRE PROTECTION

SEATTLE:
5005 3RD AVE SOUTH
SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
16790 NE MASON STREET, SUITE 100
PORTLAND, OR 97230
(503) 331 - 0234

LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:
KIRKLAND PARKPLACE
BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature
Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	3-7-2016	PERMIT SET

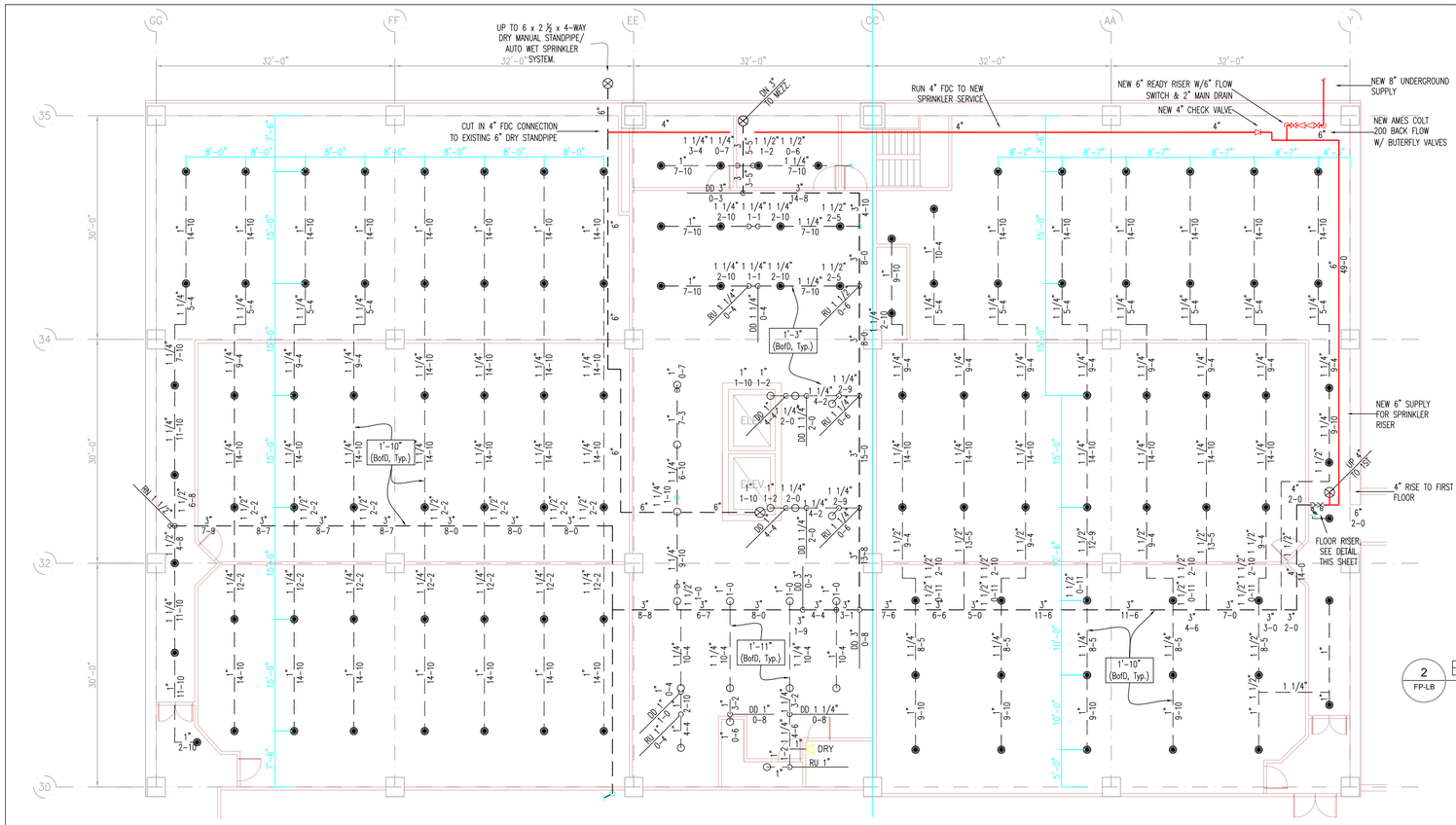
McKINSTRY DIVISION:

FIRE PROTECTION

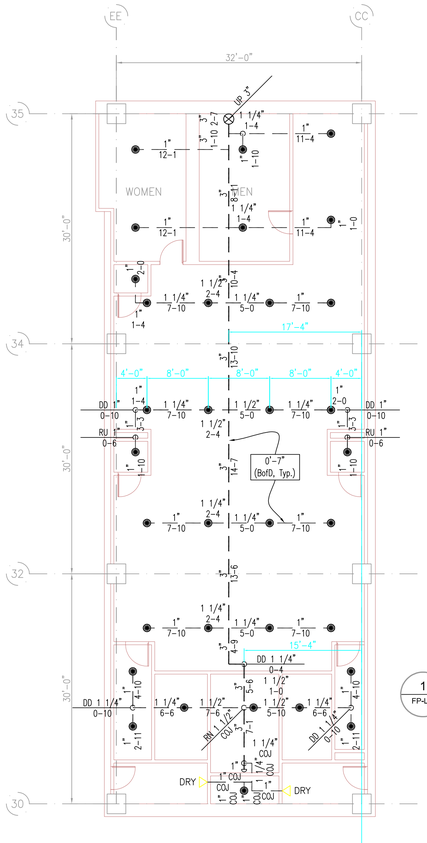
DESIGNED BY: GM
DRAWN BY: TW
CHECKED BY: SS
JOB NUMBER: 105854-001
DATE: 3-7-2016
SCALE: 1/8" = 1'-0"

SHEET TITLE:
KIRKLAND PARKPLACE
1ST LEVEL

SHEET NUMBER:
SPRINKLER PLAN
FP-L01



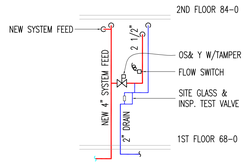
2 FP-LB Basement Level
SCALE: 1/8"=1'-0"



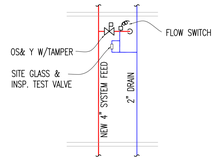
1 FP-LB Basement Level Below Mezzanine
SCALE: 1/8"=1'-0"

FIRE SPRINKLER HEAD LEGEND

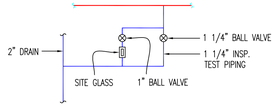
SYMBOL	THREAD	MAKE	MODEL	SIN#	STYLE	ORIFICE	FINISH	TEMP.	K-FACTOR	QUANTITY
●	1/2"	-	-	-	-	1/2"	-	212°	-	144
○	1/2"	-	-	-	-	1/2"	-	212°	-	20
◁	1/2"	-	-	-	-	1/2"	-	212°	-	3
									TOTAL SPRINKLERS SHOWN ON THIS SHEET	167
									TOTAL SPRINKLERS REQUIRED FOR THIS PROJECT	



FLOOR RISER DETAIL
1ST FLOOR
SCALE: NTS



FLOOR RISER DETAIL
TYP, U.N.O.
SCALE: NTS



INSP. TEST DETAIL
SCALE: NTS

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE COMBINED FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH STANDPIPE AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION, AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING, THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

SPRINKLER KEY

- ● EXISTING 212° PENDENT SPRINKLER
- ○ EXISTING 212° UPRIGHT SPRINKLER
- ◁ EXISTING 212° DRY SIDEWALL SPRINKLER
- EXISTING SPRINKLER PIPE CAP
- c EXISTING RISE
- o EXISTING RISER NIPPLE
- — — — EXISTING SPRINKLER PIPING

* SEE SPRINKLER LEGEND FOR SPECIFIC SPRINKLER TYPES *

Must Remain On Site

Lt. Chappell
04/26/2016

ΜΟΛΩΝ ΛΑΒΕ

McKinstry FIRE PROTECTION

SEATTLE:
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SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
16790 NE MASON STREET, SUITE 100
PORTLAND, OR 97230
(503) 331 - 0234
LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:
KIRKLAND PARKPLACE
BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPENTENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	3-7-2016	PERMIT SET

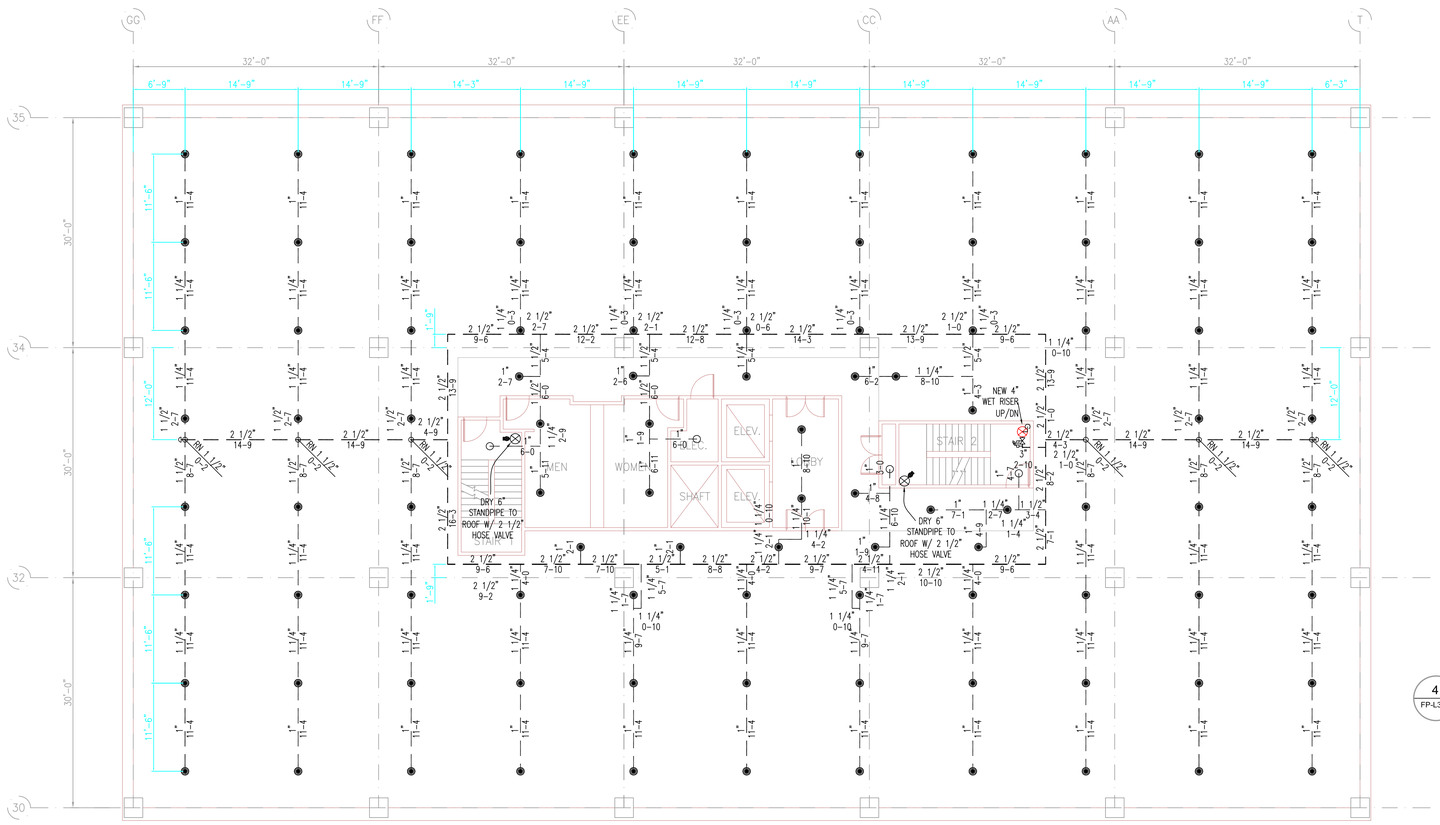
McKINSTRY DIVISION:

FIRE PROTECTION

DESIGNED BY: GM
DRAWN BY: TW
CHECKED BY: SS
JOB NUMBER: 105854-001
DATE: 3-7-2016
SCALE: 1/8" = 1'-0"

SHEET TITLE:
KIRKLAND PARKPLACE BASEMENT & MEZZANINE LEVEL

SHEET NUMBER:
SPRINKLER PLAN
FP-LB



FIRE SPRINKLER HEAD LEGEND										
SYMBOL	THREAD	MAKE	MODEL	SIN#	STYLE	ORIFICE	FINISH	TEMP.	K-FACTOR	QUANTITY
●	1/2"	-	-	-	-	1/2"	-	212°	-	294
○	1/2"	-	-	-	-	1/2"	-	212°	-	14
◁	1/2"	-	-	-	-	1/2"	-	212°	-	
TOTAL SPRINKLERS SHOWN ON THIS SHEET										308
TOTAL SPRINKLERS REQUIRED FOR THIS PROJECT										

LEVEL 3 ELEVATIONS:

FF:	96.6
BOB:	107.2
BOJ:	107.2
DR CLG:	105.1
CL@MAIN:	106.1
CL@BL:	107.0
BOSLAB:	108.9

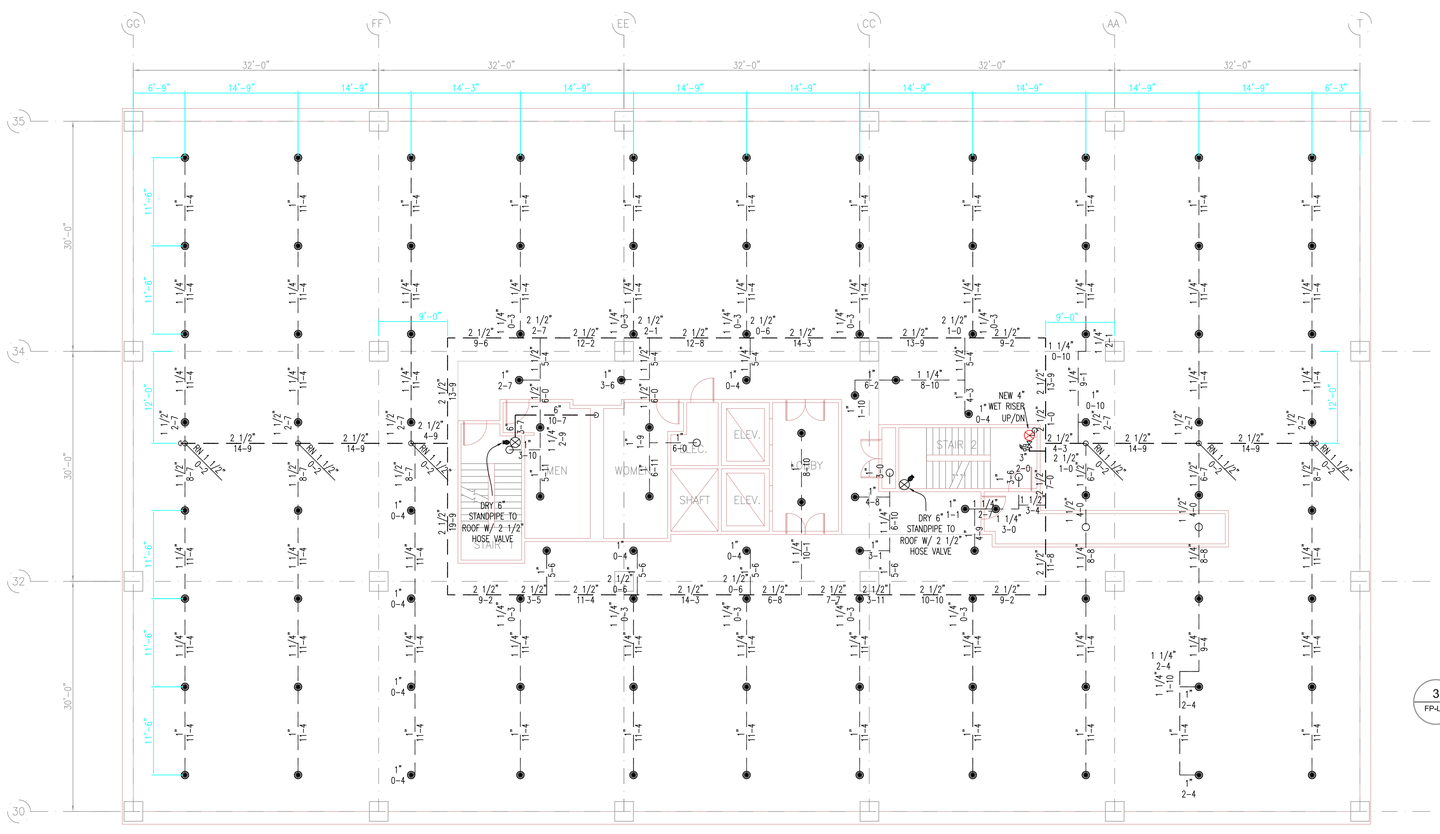
LEVEL 4 ELEVATIONS:

FF:	109.3
BOB:	119.9
BOJ:	119.9
DR CLG:	117.8
CL@MAIN:	118.8
CL@BL:	119.6
BOSLAB:	121.6

4 FP-L3L4 Level 3 & 4
SCALE: 1/8"=1'-0"

FLOOR RISER DETAIL
TYP, U.N.O.
SCALE: NTS

INSP. TEST DETAIL
SCALE: NTS



ELEVATIONS:

FF:	84.0
BOB:	94.6
BOJ:	94.6
DR CLG:	92.5
CL@MAIN:	93.5
CL@BL:	94.3
BOSLAB:	96.2

3 FP-L2 Level 2
SCALE: 1/8"=1'-0"

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE COMBINED FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH RISER AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION, AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING. THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

SPRINKLER KEY

- ● EXISTING 212° PENDENT SPRINKLER
- ○ EXISTING 212° UPRIGHT SPRINKLER
- ◁ EXISTING 212° DRY SIDEWALL SPRINKLER
- d EXISTING SPRINKLER PIPE CAP
- c EXISTING RISE
- o EXISTING RISER NIPPLE
- — — — EXISTING SPRINKLER PIPING

* SEE SPRINKLER LEGEND FOR SPECIFIC SPRINKLER TYPES *

Must Remain On Site

Lt. Chappell
04/26/2016

ΜΟΛΩΝ ΛΑΒΕ

McKinstry FIRE PROTECTION

SEATTLE:
5005 3RD AVE SOUTH
SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
16790 NE MASON STREET, SUITE 100
PORTLAND, OR 97230
(503) 331 - 0234

LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:

KIRKLAND PARKPLACE

BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature
Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	3-7-2016	PERMIT SET

McKINSTRY DIVISION:

FIRE PROTECTION

DESIGNED BY:	GM
DRAWN BY:	TW
CHECKED BY:	SS
JOB NUMBER:	105854-001
DATE:	3-7-2016
SCALE:	1/8" = 1'-0"

SHEET TITLE:

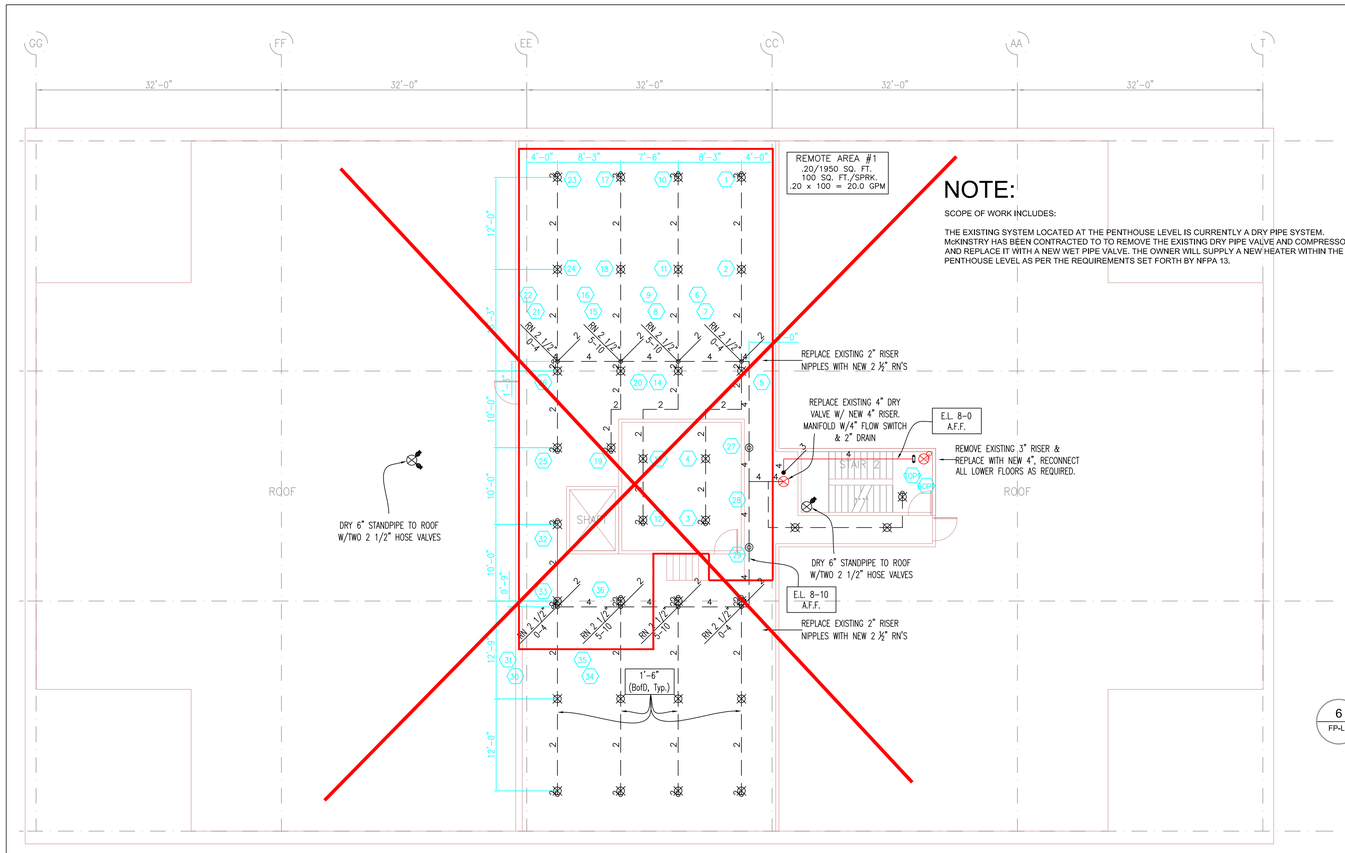
KIRKLAND PARKPLACE
LEVEL 2, 3 & 4

SHEET NUMBER:

SPRINKLER PLAN
FP-L2, L3, L4

FIRE SPRINKLER HEAD LEGEND

	SYMBOL	THREAD	MAKE	MODEL	SIN#	STYLE	ORIFICE	FINISH	TEMP.	K-FACTOR	QUANTITY
EXISTING	●	1/2"	-	-	-	-	1/2"	-	212°	-	98
EXISTING	⊠	1/2"	TYCO	FRB	3131	UPRIGHT	1/2"	BRASS	200°	5.6	34
EXISTING	○	1/2"	TYCO	FRB	3131	UPRIGHT	1/2"	BRASS	200°	5.6	2
									TOTAL SPRINKLERS SHOWN ON THIS SHEET		134
									TOTAL SPRINKLERS REQUIRED FOR THIS PROJECT		



NOTE:

SCOPE OF WORK INCLUDES:

THE EXISTING SYSTEM LOCATED AT THE PENTHOUSE LEVEL IS CURRENTLY A DRY PIPE SYSTEM. McKINSTRY HAS BEEN CONTRACTED TO TO REMOVE THE EXISTING DRY PIPE VALVE AND COMPRESSOR AND REPLACE IT WITH A NEW WET PIPE VALVE. THE OWNER WILL SUPPLY A NEW HEATER WITHIN THE PENTHOUSE LEVEL AS PER THE REQUIREMENTS SET FORTH BY NFPA 13.

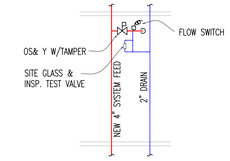
SPRINKLER KEY

- ● EXISTING 212° PENDENT SPRINKLER
- ○ EXISTING 212° UPRIGHT SPRINKLER
- ◁ EXISTING 212° DRY SIDEWALL SPRINKLER
- ¢ EXISTING SPRINKLER PIPE CAP
- c EXISTING RISE
- ○ EXISTING RISER NIPPLE
- — — — EXISTING SPRINKLER PIPING

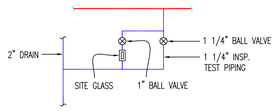
* SEE SPRINKLER LEGEND FOR SPECIFIC SPRINKLER TYPES *

ELEVATIONS:
FF: 135.0
BOD: VARIES
SLOPE: 8:12"

6 FP-LP — Penthouse Level
SCALE: 1/8"=1'-0"



FLOOR RISER DETAIL
TYP, U.N.O.
SCALE: NTS



INSP. TEST DETAIL
SCALE: NTS

CALCULATION DESIGN INFORMATION

AREA	AREA#1
OCCUPANCY	PENTHOUSE
HAZARD	ORD.-HAZARD-GROUP-2
DENSITY	.20-GPM/SQ.-FT.
AREA OF OPERATION	1,950
AREA PER HEAD	99/SQ.-FT.
HOSE WATER ALLOWANCE	
INSIDE 0	OUTSIDE 100

SYSTEM DEMAND

PSI	74.3
GPM	239.8
PSI AVAILABLE	84.1
GPM AVAILABLE	239.8

CALCULATION DESIGN INFORMATION

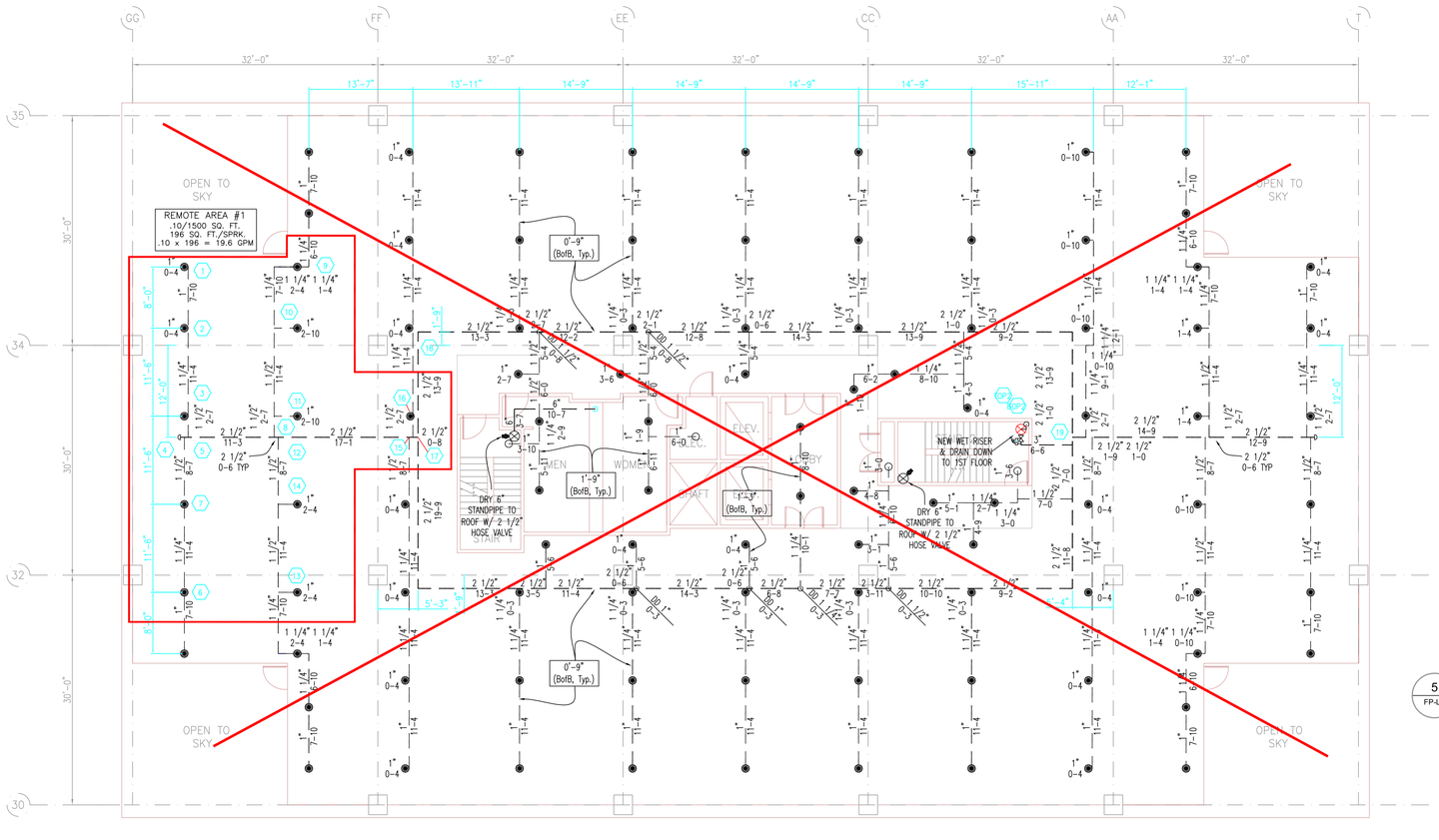
AREA	AREA#2
OCCUPANCY	5TH/FL.-OFFICE
HAZARD	LIGHT/HAZARD
DENSITY	.10-GPM/SQ.FT.
AREA OF OPERATION	1,500/SQ.-FT.
AREA PER HEAD	196/SQ.FT.
HOSE WATER ALLOWANCE	
INSIDE 0	OUTSIDE 100

SYSTEM DEMAND

PSI	74.3
GPM	239.8
PSI AVAILABLE	84.1
GPM AVAILABLE	239.8

This sheet not to be used.
Revisions submitted for
Penthouse Level and Level 5.

Must Remain On Site



ELEVATIONS:
FF: 122.5
BOB: 122.0
BOJ: 120.0
DR CLG: 92.5
CL@MAIN: 91.5
CL@BL: 92.5

5 FP-L5 — Level 5
SCALE: 1/8"=1'-0"

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE COMBINED FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH RISER AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION, AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING. THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

McKinstry FIRE PROTECTION

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SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
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PORTLAND, OR 97230
(503) 331 - 0234
LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:
KIRKLAND PARKPLACE
BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	1-13-16	PERMIT SET

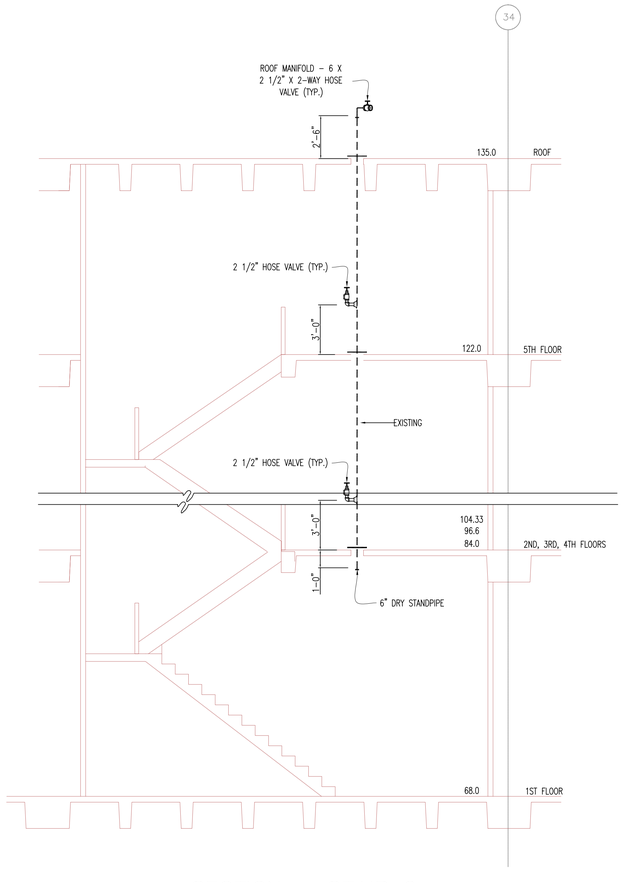
McKINSTRY DIVISION:

FIRE PROTECTION

DESIGNED BY: GM
DRAWN BY: TW
CHECKED BY: SS
JOB NUMBER: 105854-001
DATE: 3-7-2016
SCALE: 1/8" = 1'-0"

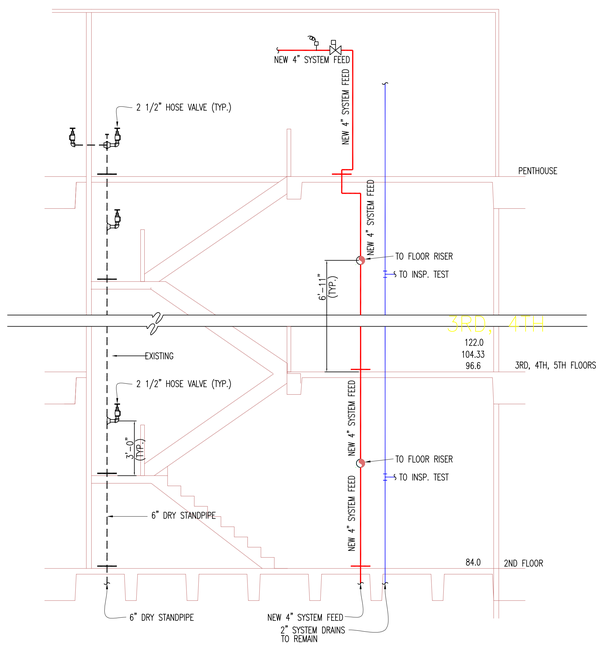
SHEET TITLE:
KIRKLAND PARKPLACE LEVEL 5 & PENTHOUSE

SHEET NUMBER:
SPRINKLER PLAN
FP-L5, LPENT



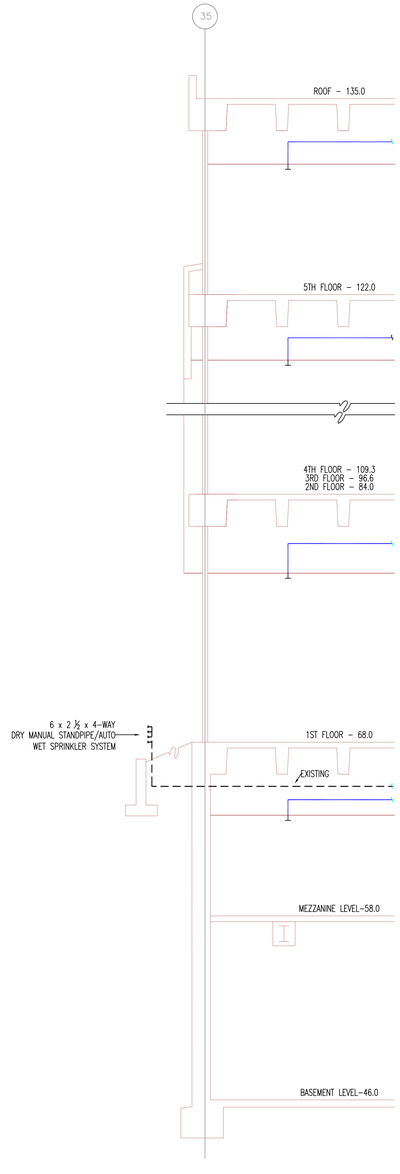
SECTION – STAIR 2

SCALE: NTS



SECTION – STAIR 1

SCALE: NTS



SECTION – BUILDING

SCALE: NTS

Must Remain On Site

NOTE:

SCOPE OF WORK INCLUDES:

McKINSTRY SHALL REMOVE EXISTING FIRE PUMP UNIT AND EXISTING 3-INCH RISER THAT FEEDS THE COMBINED FIRE SPRINKLER SYSTEM. McKINSTRY SHALL INSTALL A NEW 4-INCH STANDPIPE AND RE-CONNECT ALL SECTIONAL CONTROL VALVES LOCATED AT EACH LEVEL. THE EXISTING WATER SUPPLY IS CAPABLE OF SUPPLYING ALL FLOORS WITH ADEQUATE FIRE PROTECTION. AS PER NFPA 13 AND THE CITY OF KIRKLAND FIRE DEPARTMENT. HYDRAULIC CALCULATIONS HAVE BEEN PROVIDED AS A MEAN OF PROVING THAT THE CITY WATER SUPPLY IS SUFFICIENT AND A RELIABLE SOURCE FOR THE AUTOMATIC FIRE SPRINKLER SYSTEM(s) FOR THIS BUILDING. THESE DRAWINGS (AS-BUILTS) HAVE BEEN PROVIDED TO INDICATE THE SCOPE OF WORK REQUIRED FOR PERMIT AND INSTALLATION OF THE NEW RISER.

KIRKLAND FIRE

Lt. Chappell
04/26/2016

ΜΟΛΩΝ ΛΑΒΕ

McKinstry
FIRE PROTECTION

SEATTLE:
5005 3RD AVE SOUTH
SEATTLE, WA. 98124
(206) 762 - 3311

PORTLAND:
16790 NE MASON STREET, SUITE 100
PORTLAND, OR 97230
(503) 331 - 0234

LICENSE # MCKINCL942DW
LICENSE # 172811

PROJECT:

KIRKLAND PARKPLACE
BUILDING "D"

6TH & CENTRAL
KIRKLAND, WA
98033

REGISTRATION:

WASHINGTON STATE
CERTIFICATE OF COMPENTENCY
FIRE PROTECTION SPRINKLER SYSTEMS
J. Scott Spitzer, Sr.
5763-1094-C Level 3
McKinstry Company, L.L.C.
MCKINCL942DW
Expires 12/31/16
Signature
Date

REVISIONS:

NO.	DATE	DESCRIPTION
1	3-7-2016	PERMIT SET

McKINSTRY DIVISION:

FIRE PROTECTION

DESIGNED BY: GM
DRAWN BY: TW
CHECKED BY: SS
JOB NUMBER: 105854-001
DATE: 3-7-2016
SCALE: 1/8" = 1'-0"

SHEET TITLE:

KIRKLAND PARKPLACE BUILDING SECTIONS

SHEET NUMBER:

FP-BLDG. SECTIONS