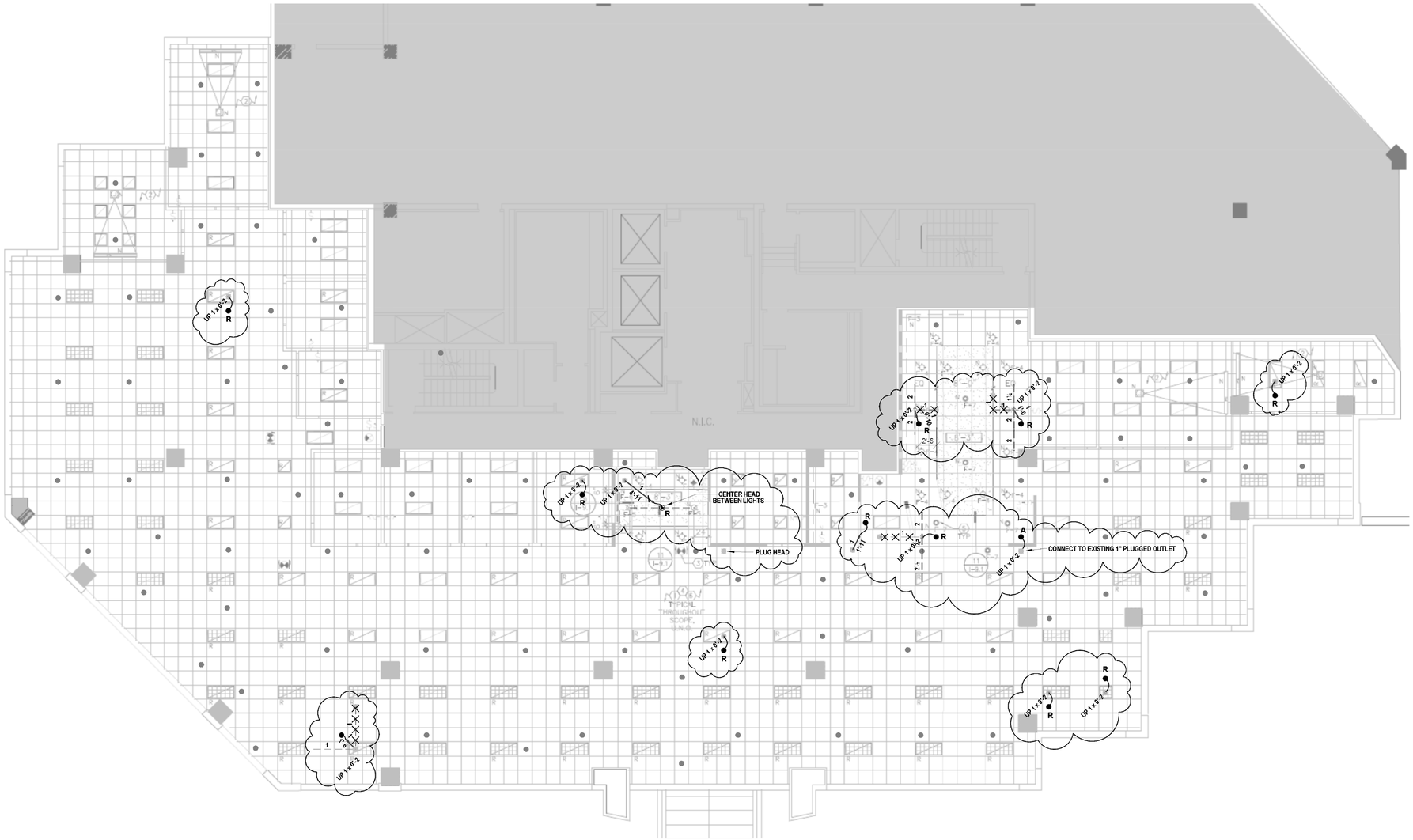


T.I. FIRE SPRINKLER PLAN

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

-10 0 10 20 40

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

SCOPE OF WORK:

ARCHER CONSTRUCTION WILL MODIFY THE EXISTING FIRE SPRINKLER SYSTEM TO ACCOMODATE THE NEW T.I. CEILING AND WALL LAYOUT. ARCHER CONSTRUCTION START POINT IS AT CONNECTIONS TO OVERHEAD BRANCH AND MAIN PIPING. FIRE SPRINKLER UPRIGHT PROTECTION IS NOT REQUIRED IN THE NON-COMBUSTIBLE CEILING VOID SPACE.

CLARIFICATIONS:

1. ALL AREAS PROTECTED BY A WET SYSTEM MUST BE MAINTAINED AT A MINIMUM OF 40°F (BY OTHERS) IN ORDER TO PREVENT THE PIPE FROM FREEZING.

EXCLUSIONS:

1. TAXES OF ANY TYPE.
2. ELECTRICAL OF ANY TYPE.
3. UNDERGROUND PIPING OF ANY TYPE
4. STRUCTURAL VERIFICATION & ABATEMENT OF ANY TYPE.
5. LABELING, PREP FOR & PRIMING OR PAINTING OF ANY TYPE.
6. RELOCATION OF PIPE FOR WORK OF OTHER TRADES.
7. NO MODIFICATIONS OR ALTERATION TO THE EXISTING FIRE SPRINKLER SYSTEM PIPING, HANGERS/SUPPORTS AND EARTH QUAKE BRACING (EXCEPT AS SHOWN).

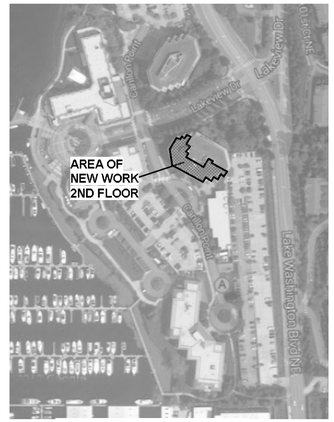
DESIGN CRITERIA:

PER NFPA 13 (2010) & THE CITY OF KIRKLAND

EXISTING:
OFFICE - LIGHT HAZARD(.1/1500 SQ. FT)

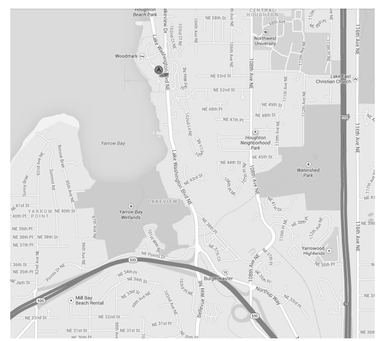
NEW:
OFFICE - LIGHT HAZARD(.1/1500 SQ. FT)

THE DESIGN CRITERIA IS LESS THAN OR EQUAL TO THAT OF THE PREVIOUS OCCUPANT THUS NEW HYDRAULIC CALCULATIONS ARE NOT NECESSARY.



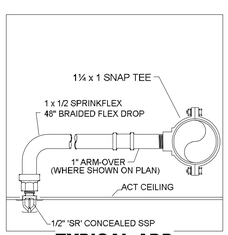
SITE / KEY PLAN

SCALE: NO SCALE

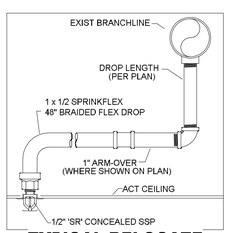


VICINITY MAP

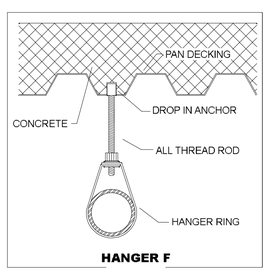
SCALE: NO SCALE



TYPICAL ADD



TYPICAL RELOCATE



HANGER F

HDI-P

LISTER / FITTER NOTES:

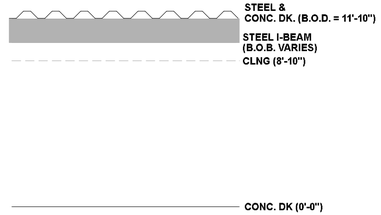
1) NEW PIPING TO BE SCH. 40 BLACK AND JOINED WITH DUCTILE IRON THREADED FITTINGS AND COUPLINGS.
2) NEW HANGERS TO BE TYPE 'F' (U.N.O.)
3) NEW DROPS TO GRID CEILINGS TO USE 1" x 1/2" SPRINKFLEX 48" BRAIDED FLEXDROP. IN GENERAL HEADS SHALL BE CENTERED IN 2x2 TILES WITH FLEXS, WHERE FEASABLE.
4) NEW DROPS TO HARD LIDS TO USE 1" x 1/2" MERIT F3.150 ADJUSTIBLE DROP NIPPLE.
5) NIGHT WORK REQUIRED.
6) USE STANARD RESPONSE SPRINKLERS TO MATCH EXISTING SPRINKLERS IN BUILDING.
7) NO SPRINKLER COVERAGE PROVIDED IN NON-COMBUSTIBLE VOID SPACES ABOVE EXISTING CEILINGS.

PLAN LEGEND:

1 / 8-6 / 1	= NEW PIPING
1 / 1	= EXISTING PIPING
S	= SNAP (U-BOLT TYPE) TEE
A	= ADDED HEAD
R	= RELOCATED HEAD

NOTE: NOT ALL EXISTING HEADS ARE LOCATED IN CENTER OF 2x2 CEILING TILES

NEW AND RELOCATED HEADS IN TO BE CENTERED IN 2x2 TILES WITH FLEXDROPS WHERE FEASABLE



BUILDING SECTION

SCALE: N.T.S.

WASHINGTON STATE CERTIFICATE OF COMPETENCY FIRE PROTECTION SPRINKLER SYSTEMS
Theodore M. Queen
4930-0205-C Level 3
Archer Construction, Inc.
ARCHEI*219DR
4-2-14
Expires 3/21/15

REVISIONS

DATE	DESCRIPTION	BY

HANGERS

A	BEAM CLAMP W/ RETAINING STRAP
B	SIDE BEAM BRACKET
C	EYE SOCKET
D	NUT & PLATE WASHER
E	KWIK-BOLT
F	HDI-P
G	SAMMY SIDEWINDER
H	SAMMY SUPERSCREW
J	COACH SCREW ROD
K	CEILING FLANGE
L	U-HOOK
M	SHORT STRAP
N	WALL BRACKET
P	TRAPEZE
Q	
R	

HYDRAULIC DESIGN INFORMATION

AREA NUMBER	CODE	HAZARD		SYSTEM TYPE
REMOTE AREA SQ. FT.	DENSITY GPM/SQ. FT.	INSIDE HOSE ALLOWANCE	OUTSIDE HOSE ALLOWANCE	AREA PER SPRINKLER
TOTAL SYSTEM REQUIREMENTS:				

HYDRAULIC DESIGN INFORMATION

AREA NUMBER	CODE	HAZARD		SYSTEM TYPE
REMOTE AREA SQ. FT.	DENSITY GPM/SQ. FT.	INSIDE HOSE ALLOWANCE	OUTSIDE HOSE ALLOWANCE	AREA PER SPRINKLER
TOTAL SYSTEM REQUIREMENTS:				

ABBREVIATIONS

★ FF	(CENTERLINE OF PIPE) ABOVE FINISHED FLOOR
★ BB	BOTTOM OF BEAM
★ TB	TOP OF BEAM
★ TS	TOP OF STEEL/ BOTTOM OF DECK
CTS	CUT TO SUIT
FO	FIELD ORDER
IFOW	INSIDE FACE OF WALL
OFOW	OUTSIDE FACE OF WALL
NAS	NO AUTO. SPRINKLERS
UNO	UNLESS NOTED OTHERWISE
	RIGID COUPLING
	FLEXIBLE COUPLING

WATERFLOW INFORMATION

STATIC	XX PSI
RESIDUAL	XX PSI
GPM FLOWING	XXX GPM
DATE & TIME	
PER: XXX	
LOCATION: XXX	

NOTES:

SPRINKLER SYMBOLS

SYM	MAKE	MODEL	SIN#	TYPE	FINISH	K-FAC.	THREAD	ORIFICE	TEMP	CANOPY	QTY
●	RELIABLE	G4	R2115	SR CONCEALED SSP	BRASS	5.6	1/2"	1/2"	165°	WHT PLT	12
✱	RELIABLE	F1	RA1314	SR RECESSED SSP	CHROME	5.6	1/2"	1/2"	155°	F1 WHT	1
●	EXISTING	TO REMAIN		SR CONCEALED SSP	BRASS	5.6	1/2"	1/2"	165°	WHT PLT	
■	EXISTING	PLUGGED/RELOCATED		SR CONCEALED SSP	BRASS	5.6	1/2"	1/2"	165°	WHT PLT	
									TOTAL PROJECT SPRINKLERS =		13

ARCHER CONSTRUCTION, INC
FIRE SPRINKLER DIVISION
7855 S 206TH STREET, KENT, WA 98032
PHONE 253-872-7222 FAX 253-872-7277

WSCL#: ARCHEI*219DR

PROJECT:	Greenpoint Suite 4250 (2nd Flr) 4100 Carillon Point Kirkland, WA.
CONTRACT W/:	TCL
CONTACT:	Adam
PHONE:	425-330-2269

SITE & FIRE SPRINKLER PLAN

PERMIT NO:	-
JOB NO:	S14-39
AUTHORITY:	CITY OF KIRKLAND
DESIGNER:	TED QUEEN
SCALE:	VARIES
DATE:	4-2-14
REVISED / /	
PLOTTED / /	FP 1 OF 1