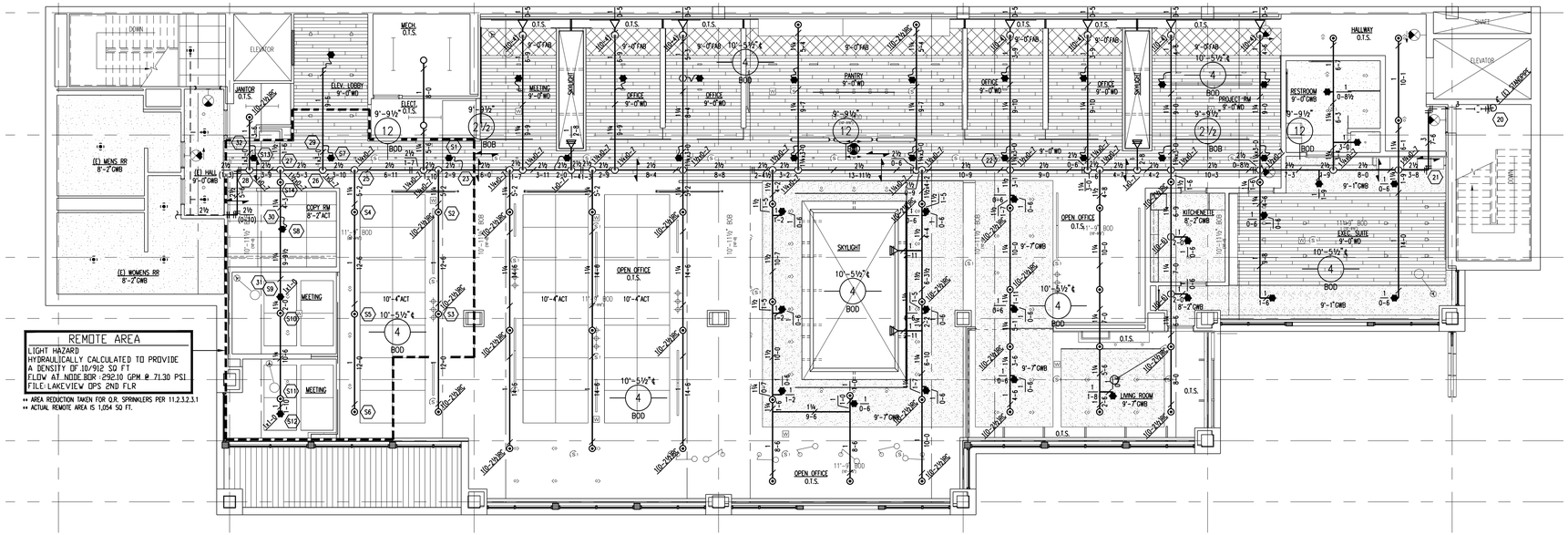
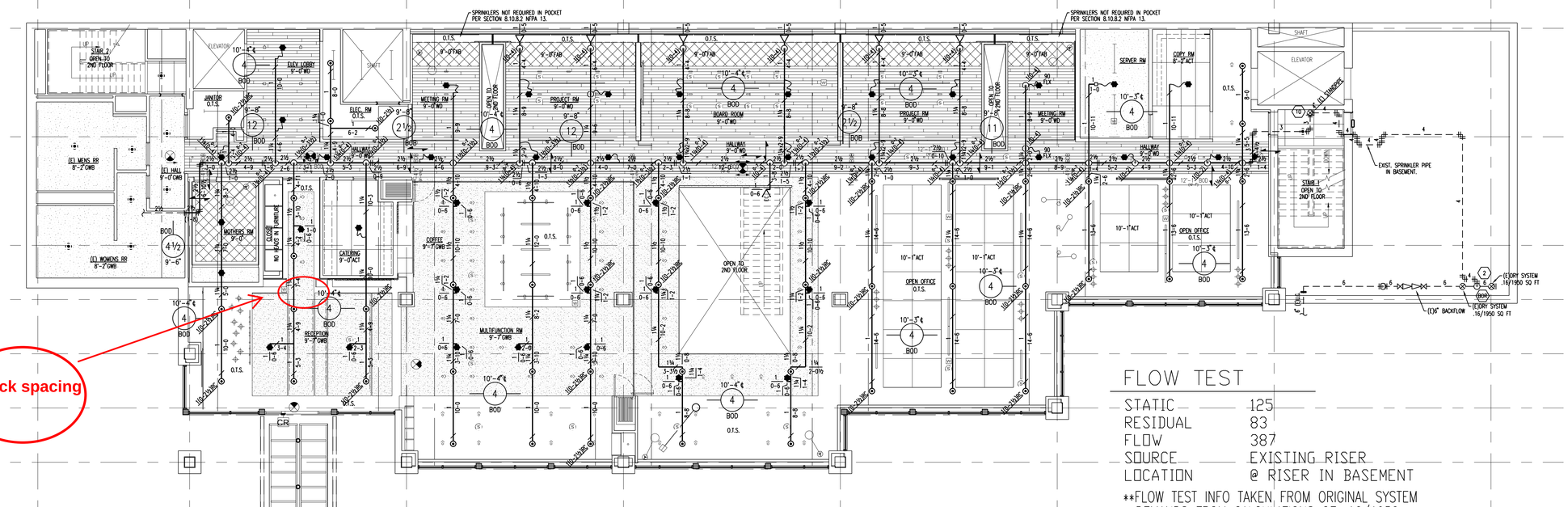
Must Remain On Site



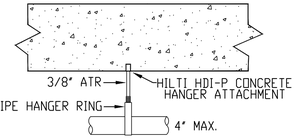
SECOND FLOOR PLAN

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

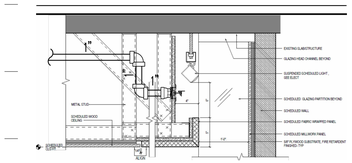


FIRST FLOOR PLAN

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

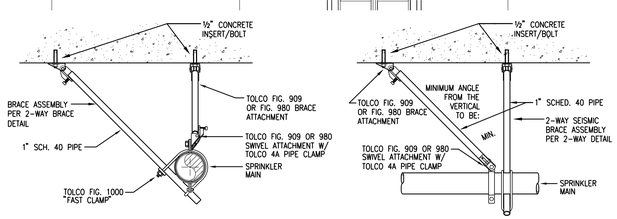


"F" HANGER DETAIL



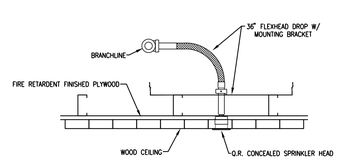
OPEN FABRIC DETAIL

SCALE: 1"=1'-0"



EARTHQUAKE BRACING DETAILS

SCALE: NTS



FLEX HEAD DETAIL

SCALE: 1"=1'-0"

FLOW TEST

STATIC	125
RESIDUAL	83
FLOW	387
SOURCE	EXISTING RISER
LOCATION	@ RISER IN BASEMENT

**FLOW TEST INFO TAKEN FROM ORIGINAL SYSTEM DEMANDS FROM CALCULATIONS OF .16/1950. (83.05 PSI @ 387.30 GPM AT BOR)
**STATIC PSI TAKEN FROM RISER GAUGE.

GENERAL NOTES

1. -------- DENOTES EXISTING FIRE SPRINKLER PIPING.
2. ———— DENOTES NEW FIRE SPRINKLER PIPING.
3. DENOTES EXISTING PENDENT SPRINKLER TO BE CHANGED TO Q.R.
4. TYPICAL BRANCHLINE HANGER 3F (SEE DETAIL)
5. TYPICAL MAIN HANGER 10½F (SEE DETAIL)

SCOPE OF WORK

REMOVE EXISTING WET SYSTEM AND RE-INSTALL NEW PIPE PER PLAN FOR NEW TI.

KIRKLAND FIRE

JChappell

08/04/2015

HANGER LEGEND	
A	"U" HOOK
B	COACH SCREW ROD
D	BM. CLAMP W/ "STRAP
E	EYELET
F	FLUSH SHELL
G	CEILING FLANGE
H	SIDE BEAM BRACKET
K	SHORT CLIP
M	ALL THREAD ROD
N	TOGGLE NUT
P	POWDER DRIVEN STUD
R	EXPANSION BOLT
S	PIPE SPIKE
T	
U	
V	
W	
X	
Y	
Z	

STATE CERTIFICATION

SPRINKLER LEGEND

SYMBOL	SPRINKLER ORIFICE SIZES AND TYPE		UPRIGHT	PENDENT	SIDEWALL SIZE
	1/2	5/16 3/8 7/16 1/2 SPRAY			1/2"
	3/4	17/32 SPRAY			3/4"
	1/2	3/8 7/16 1/2 SIDEWALL			1/2"
	1"	1/2 DRY TYPE			1"

2 - WAY EARTHQUAKE BRACE
4 - WAY EARTHQUAKE BRACE

STRUCTURE TO CENTER LINE OF PIPE IN INCHES

TEMP RATING	SYMBOL	OPENING	SYMBOL	OPENING
165°		1/2"		1"
212°		1"		1/2"
286°		1"		1"
350°		1"		1/2"
500°		1/2"		1"

FITTING LEGEND	
P	PIPE-O-LET
F	PLAIN END FIT FITTING
SN	GROOVED SHAPED NIPPLE
TSN	THREADED SHAPED NIPPLE

APPROVAL REQUIRED

KIRKLAND

SPRINKLER HEADS USED

SYM	MANUF	MODEL	TYPE	THREAD SIZE	ORIFICE SIZE	HEAD FINISH	ESCUTCH FINISH	TEMP	QTY
	RELIABLE	CQ-56	CONCEALER	1/2	5.6K	BRONZE	WHITE	155	87
	RELIABLE	F1FR	PENDENT	1/2	5.6K	CHROME	--	155	93
	RELIABLE	F1FR	UPRIGHT	1/2	5.6K	BRONZE	--	155	1
	RELIABLE	F1FR-EC9	E.C. SIDEWALL	3/4	8.0K	CHROME	--	155	1
	RELIABLE	F1FR	RECESSED SW	1/2	5.6K	CHROME	CHROME	286	4
	RELIABLE	F1FR	RECESSED SW	1/2	5.6K	CHROME	CHROME	155	13
								TOTAL	199

QUALITY CONTROL BY DATE

APPROVED FOR FABRICATION BY DATE

GENERAL NOTES

1. ALL MATERIAL AND EQUIPMENT TO BE NEW AND UL LISTED OR FM APPROVED.
2. PIPING DIMENSIONS ARE CENTER TO CENTER EXCEPT RISERS AND DIMENSIONS SHOWN THUSLY (1-6) WHICH ARE END TO END.
3. EARTHQUAKE BRACING SHALL BE PROVIDED IN ACCORDANCE WITH NFPA PAMPHLET NO. 13, APPLICABLE EDITION
4. PIPE HANGERS AND METHOD OF HANGING TO BE IN ACCORDANCE WITH NFPA PAMPHLET NO. 13, APPLICABLE EDITION.
5. PIPING SHALL BE IN ACCORDANCE WITH NFPA PAMPHLET NO. 13, APPLICABLE EDITION
6. JOINING OF PIPE AND FITTINGS, THREADED & WELDED, SHALL BE IN ACCORDANCE WITH NFPA PAMPHLET NO. 13, APPLICABLE EDITION.
7. OWNER TO PROVIDE ADEQUATE HEAT IN AREAS PROTECTED BY A WET PIPE SPRINKLER SYSTEM TO PREVENT WATER IN PIPES FROM FREEZING.
8. ALL WIRING OF ELECTRICAL DEVICES (IF REQUIRED) TO BE PROVIDED BY OTHERS
9. PAINTING OF PIPE & EQUIPMENT (IF REQUIRED) TO BE PROVIDED BY OTHERS
10. FURRING OF PIPE & EQUIPMENT (IF REQUIRED) TO BE PROVIDED BY OTHERS

DESIGN CRITERIA

1. DESIGNED FOR LIGHT HAZARD OFFICE OCCUPANCY PER NFPA 13 .10/912 SQ FT.
2. AREA REDUCTION TAKEN FOR Q.R. SPRINKLERS.

PIPE NOTES

1. ALL NEW THREADED PIPE TO BE SCH 40.
2. ALL NEW WELDED PIPE TO BE SCH 10.

REVISIONS

NO	DATE	BY	DESCRIPTION

CONTRACT WITH:

GLY CONSTRUCTION
PO BOX 6728
BELLEVUE, WA 98008

PROJECT NAME:

LAKEVIEW OPS
BLDG 6000 CARILLON POINT
6100 CARILLON POINT
KIRKLAND, WA

ISAK ANDREWS
206-496-3172

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DESIGNER	JOHN DACCA	SHEET	FP-1
DATE	7-2-15	1 OF 1	
JOB NO.	12-18035		