

California Water Service Company
Fire Flow Test

Test Date: 09/20/17
Test Time: 4:45
Assigned Date: Eng. 26-28
General Location: 550 GATEWAY BLVD
Zone: 200
Contract: 550 GATEWAY BLVD
Contract Sheet: CORPORATE DR
Requested by: AEGIS FIRE SYSTEMS
Purpose of Test: Fire Flow Test
Checked by: J. McKeon
Witnessed By: C.M.S. CO. OGDEN
Other:

Outlet No.	Size	PILOT	Observed Pressure	Static Pressure	Residual Pressure	Flow Observed	Flow Available
1	4.5	25	2718	70	07	2718	12419
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
Total Flow Observed Available @300: 2718							12419

Remarks: Static/Standard Location: 650 GATEWAY

Note: Regardless of the results of this test, California Water Service Company assumes no liability beyond the test results. The test results are for informational purposes only. The test results are not to be used for any other purpose. The test results are not to be used for any other purpose. The test results are not to be used for any other purpose.

FIRE FLOW INFORMATION



May 11, 2017
Site: SR Krishna Enterprise
2834 El Camino Real
Redwood City, CA 94061
Reference: Gateway Hotel
550 Gateway Boulevard
South San Francisco, CA
Subject: Fire Flow Test (per CFC (2016 edition))
The following test was performed for the purpose of determining the fire flow available at the test location. The test was performed in accordance with the California Fire Code (2016 edition), Appendix B & C. Documents, sheet A1.0 dated 3/24/17 & California Fire Code (2016 edition), Appendix B & C. Building Area (for purposes of Fire Flow):

- Type IA (1) largest successive floor - Level 1 = 19,256 SF
- Type IIA (2) largest successive floor - Level 2 = 19,256 SF
- Total Square Feet (for purposes of Fire Flow) = 38,512 SF

CALCULATION:
Fire Flow by Construction Type:

- Type IIA = 3,500 GPM
- Type IIB = 4,500 GPM
- Type IIC = 4,500 GPM
- Type IIA = 19,256 / 98,504 = 19.50%
- Type IIB = 79,248 / 98,504 = 80.50%
- Type IIC = 63,500 (195) + (45,500) (185) = 683 + 3,423 = 4,106 GPM
- Required Fire Flow (prior to reduction) = 4,106 GPM
- Fire Flow Reduction - Appendix B, Section B10.2, Exception 1 = 2,135 GPM Required Fire Flow
- Hydrant Quantity & Spacing (Table C105.1, note 1) = 4 - 5 Hydrants
- Hydrant Spacing (300 FT. + 50% increase) = 450 FT. (average spacing)

Should you have questions, comments or require additional information please contact me directly.

AEGIS Fire Systems, Inc.
Thomas J. McKeon, President

550 Boulder, CL, Suite 200 • San Francisco, CA 94111 • FAX: (415) 417-0504

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10/17/17

10/17/17



590 BOLLARD COURT - A
FARMINGTON, CA 94608
PHONE: (925) 477-0504
FAX: (925) 477-0504
FIRE PROTECTION SYSTEM
DESIGN, INSTALLATION &
CONSULTING SERVICES

STAMP

PROJECT

HOME2 SUITES
BY HILTON
550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

CUSTOMER

SHE DEVELOPMENT
2834 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS

SOUTH SAN FRANCISCO
FIRE DEPARTMENT
480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
PHONE: (650) 829-6645

INSPECTIONS

PHONE: (650) 829-6645

WELD INSPECTIONS

NO

REVISIONS

DATE

DESCRIPTION

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

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NO.

NO.

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NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.

NO.



SCALE

1" = 1'-0"

0' 4' 8' 12'

32'

48'

64'

80'

96'

112'

128'

144'

160'

176'

192'

DESCRIPTION

FIRE WATER SITE PLAN

SHEET NUMBER

FP-0.2

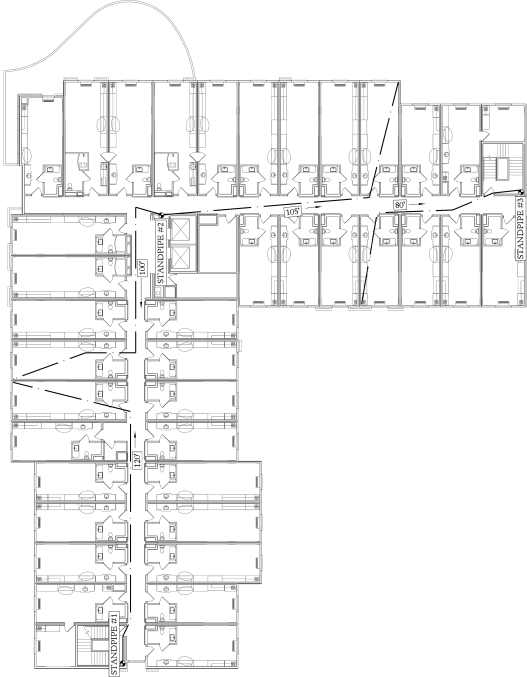
DRAWN BY: D-17007

CHECKED BY:

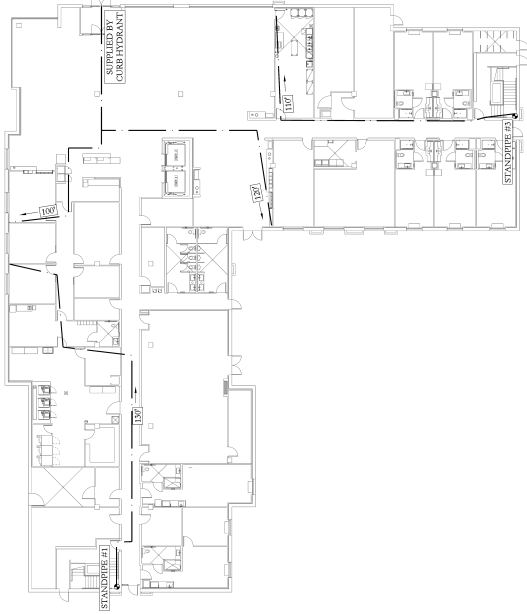
PRINT DATE:

12-15-2017

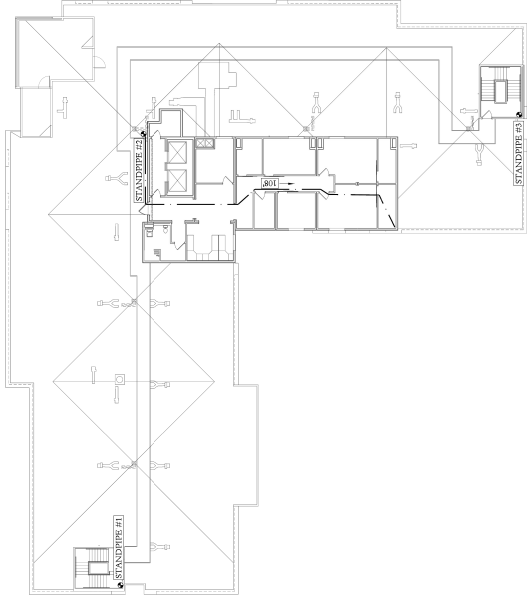
FLOOR 2 HOSE REACH (FLOORS 3-5 SIMILAR)



FLOOR 1 HOSE REACH



PENTHOUSE HOSE REACH



500 BOULDER COURT - A
PLACENTIA, CA 92666
PHONE: (951) 447-5884
FAX: (951) 447-5884
FIRE PROTECTION SYSTEM
DESIGN, INSTALLATION &
CONSULTING SERVICES

STAMP

PROJECT

HOME2 SUITES
BY HILTON

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

CUSTOMER

SBS DEVELOPMENT
2854 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS

SOUTH SAN FRANCISCO
FIRE DEPARTMENT
480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080

INSPECTIONS

PHONE: (855) 829-6645
WELD INSPECTION: NO
DATE: NO

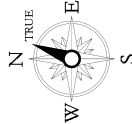
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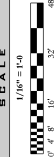
CITY SUPPLY

STATIC PRESSURE: 70 PSI
RESIDUAL PRESSURE: 67 PSI
FLOW @ RESIDUAL: 278 GPM
TEST LOCATION: 550 GATEWAY BOULEVARD
BLVD. & CORCORAN DR.
TEST DATE: 06.09.2017
TESTING AGENCY: CALIFORNIA WATER SERVICE
HYDRANT #1: N/A

ORIENTATION



SCALE



DESCRIPTION

HOSE REACH PLAN

SHEET NUMBER

FP-0.3

JOB NUMBER: D-17007
DRAWN BY: [blank]
CHECKED BY: [blank]
PLANNED DATE: [blank]
PRINT DATE: 12.10.2017



500 BOLDER COURT - A
PLACENTIA, CA 92666
TEL: (949) 447-8866
FAX: (949) 447-8864
FIRE PROTECTION SYSTEM
DESIGN, INSTALLATION &
CONSULTING SERVICES

STAMP

PROJECT

**HOME2 SUITES
BY HILTON**
550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

CUSTOMER

SBS DEVELOPMENT
2854 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS

**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
(650) 589-6685

INSPECTIONS

PHONE: (650) 829-6645

WELD INSPECTION: NO

REVISIONS

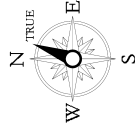
DATE

DESCRIPTION

NO.

KEY NOTES

1. TYPICAL COMBINATION STANDPIPE SEE DETAIL ON SHEET FP-02.
2. TYPICAL STANDPIPE SEE DETAIL ON SHEET FP-02.
3. DRAIN DOWN FROM FLOOR ABOVE.
4. DRAIN DOWN TO FLOOR BELOW.
5. DRAIN TO SANITARY.
6. SPRINKLER OMITTED FROM BATHROOM SEE DESIGN NOTE #3 ON SHEET FP-01.
7. 9" MAX. IN SMALL ROOMS SEE DESIGN NOTE #4 ON SHEET FP-01.
8. AUXILIARY DRAIN, NIPPLE, VALVE & PLUG.
9. SPRINKLERS OMITTED FROM OVERHANG SEE NOTE #4 ON SHEET FP-01.
10. LAUNDRY CHUTE HEAD PRE-INSTALLED & CONNECTED BY AEGIS



SCALE

1/8\"/>

0' 2' 4' 8' 16' 24'

DESCRIPTION

FLOOR 1 BULK PIPING PLAN

SHEET NUMBER

FP-1.0

JOB NUMBER: D-17007

DRAWN BY: [Signature]

CHECKED BY: [Signature]

PLANNING DATE: 12.10.2017

PRINT DATE: 12.10.2017



500 BOLDER COURT - A
PLACENTIA, CA 92666
TEL: (714) 992-8888
FAX: (714) 992-8884
FIRE PROTECTION SYSTEM
DESIGN, INSTALLATION &
CONSULTING SERVICES

STAMP

KEY NOTES

1. TYPICAL COMBINATION STANDPIPE SEE DETAIL ON SHEET FP-02.
2. TYPICAL STANDPIPE SEE DETAIL ON SHEET FP-02.
3. DRAIN DOWN FROM FLOOR ABOVE.
4. DRAIN DOWN TO FLOOR BELOW.
5. DRAIN TO SANITARY.
6. SPRINKLER OMITTED FROM BATHROOM SEE DESIGN NOTE #3 ON SHEET FP-01.
7. 9" MAX. IN SMALL ROOMS SEE DESIGN NOTE #4 ON SHEET FP-01.
8. AUXILIARY DRAIN, SUPPLY, VALVE & P.V.G.
9. SPRINKLERS OMITTED FROM OVERHANG SEE NOTE #4 ON SHEET FP-01.
10. LAUNDRY CHUTE HEAD PRE-INSTALLED & CONNECTED BY AEGIS

HYDRAULIC INFORMATION

Remainder Area 1.1	
OCCUPANCY CLASSIFICATION	ORDINARY GROUP 1
STORY AREA (SQ. FT.)	25,000
STORY HEIGHT (FT.)	14.5 (15.0)
TOTAL HOSE STREAMS	20
TOTAL HEADS FLOWING	8
K FACTOR	8
WATER SUPPLY REQUIRED	657
TOTAL PRESSURE REQUIRED	165.7
BASE OF RISER (PSI)	74.67
SAFETY MARGIN (PSI)	60.377
SAFETY MARGIN (%)	+9.5% (13.1%)

HYDRAULIC INFORMATION

Remainder Area 1.1	
OCCUPANCY CLASSIFICATION	LIGHT HAZARD
STORY AREA (SQ. FT.)	14,500 (ACTUAL 14,467)
STORY HEIGHT (FT.)	14.5 (15.0)
QUICK RESPONSE REDUCTION	10% (CHILLING 20.3%) (11.25%)
TOTAL HOSE STREAMS	7
TOTAL HEADS FLOWING	7
TOTAL WATER REQUIRED	270.7
TOTAL PRESSURE REQUIRED	59.91
BASE OF RISER (PSI)	27.07
SAFETY MARGIN (PSI)	59.91
SAFETY MARGIN (%)	+10.8% (15.8%)

PROJECT

**HOME2 SUITES
BY HILTON**
550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA
94080

CUSTOMER

SBS DEVELOPMENT
285 EL CAMINO REAL
REDWOOD CITY, CA 94061
(650) 859-6645

APPROVALS

**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
(650) 859-6645

INSPECTIONS

PHONE: (650) 859-6645

WELD INSPECTION:

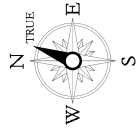
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DESCRIPTION: _____

REVISIONS

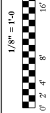
NO.	DATE	DESCRIPTION

CITY SUPPLY

STATIC PRESSURE	70 PSI
RESIDUAL PRESSURE	67 PSI
FLOW @ RESIDUAL	278 GPM
TEST LOCATION:	550 GATEWAY BOULEVARD BLVD. & CORCORAN DR.
TEST DATE:	06.09.2017
TESTING AGENCY:	CALIFORNIA WATER SERVICE
HYDRANT #:	N/A
ORIENTATION	N/A



SCALE



DESCRIPTION

FLOOR SYSTEM PIPING PLAN

SHEET NUMBER

FP-1.1

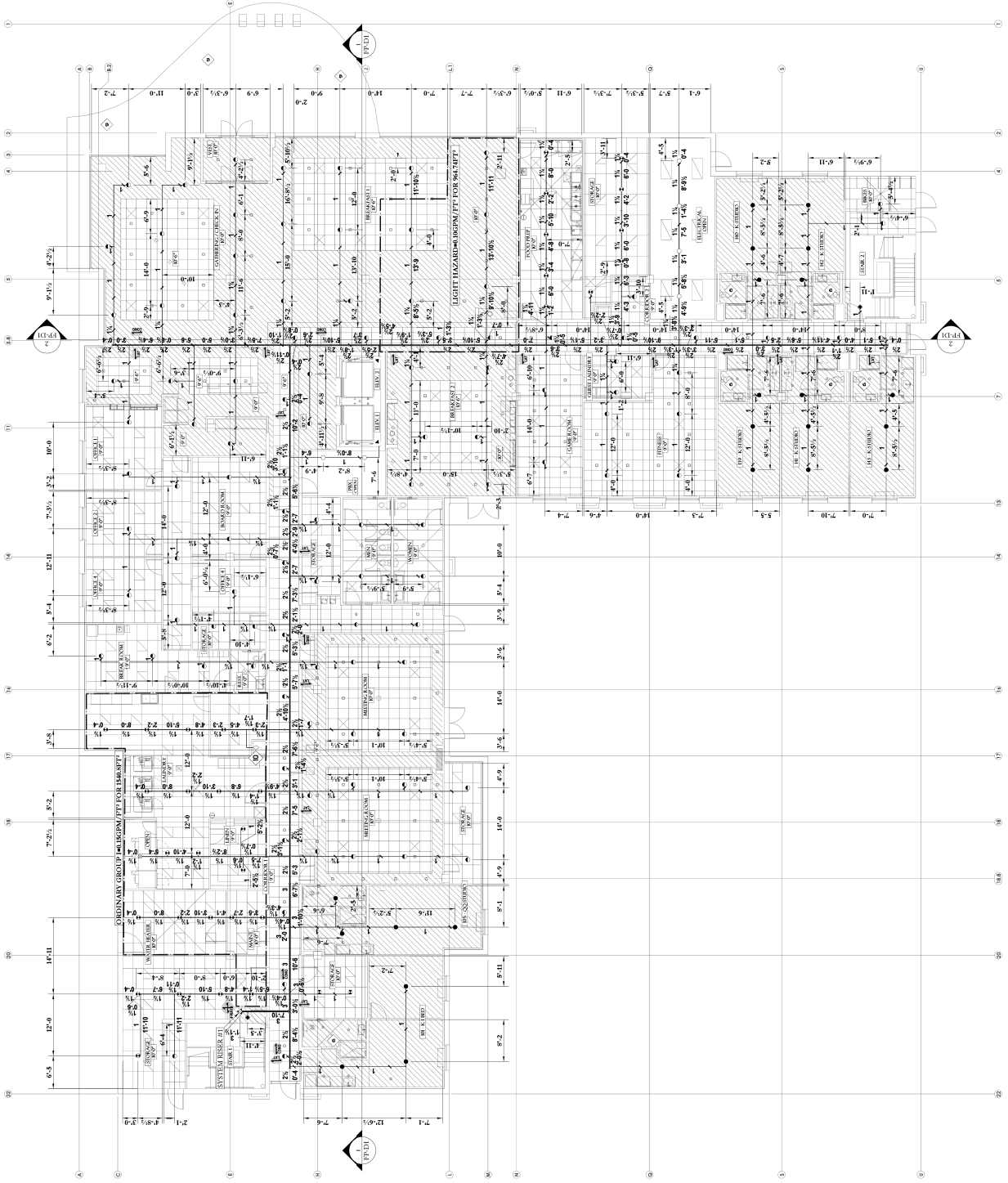
FOR NUMBER: D-17007

CHECKED BY:

DATE: 12.10.2017

SPRINKLER LEGEND

SYM	SIN	MANUFACTURER	MODEL	RESPONSE	K-FACTOR	TYPE	TEMP.	FINISH	THREAD	TRIM	QUANTITY
●	TY231	TYCO	TY-FB	QUICK	8	PENDENT	155F	WHITE	%	RECESSED	35
●	TY231	TYCO	TY-FB	QUICK	5.6	PENDENT	155F	WHITE	%	CONCEALED	107
●	TY231	TYCO	TY-FB	QUICK	5.6	PENDENT	155F	WHITE	%	RECESSED	6
●	TY231	TYCO	TY-FB	QUICK	5.6	PENDENT	155F	WHITE	%	CONCEALED	2
●	TY231	TYCO	TY-FB	QUICK	4.9	PENDENT	155F	WHITE	%	RECESSED	22
●	TY231	TYCO	TY-FB	QUICK	5.6	SIDEWALL	200F	BRASS	%	N/A	2
●	TY603	TYCO	TY-FB	QUICK	8	UPRIGHT	200F	BRASS	%	N/A	1
TOTAL = 173											





5. DRAIN TO SANITARY.
6. SPRINKLER OMITTED FROM BATHROOM. SEE DESIGN NOTE #3 ON SHEET PP-01.
7. 9'-0" MAX. IN SMALL ROOMS. SEE DESIGN NOTE #1 ON SHEET PP-01.
8. AUXILIARY DRAIN, NIPPLE, VALVE & PLUG.
9. SPRINKLES OMITTED FROM OVERHANG SEE NOTE #4 ON SHEET PP-01.
10. LAUNDRY CHUTE HEAD PRE-INSTALLED & CONNECTED BY AEGIS

- 1 TYPICAL COMBINATION STANDPIPE, SEE DETAIL ON SHEET PP-D2.
- 2 TYPICAL STANDPIPE, SEE DETAIL ON SHEET PP-D2.
- 3 DRAIN DOWN FROM FLOOR ABOVE.
- 4 DRAIN DOWN TO FLOOR BELOW.
- 5 DRAIN TO SANITARY.

10 LAUNDRY CHUTE HEAD PRE-INSTALLED & CONNECTED BY AEGIS

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

CUSTOMER

2834 EL CAMINO REAL
REDWOOD CITY, CA 94061

**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
(650) 829-6645

WELD INSPECTION:

REVISIONS	
NO.	DATE DESCRIPTION

[illegible]

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RESIDUAL PRESSURE:

FLOW @ RESIDUAL: 2718 GPN
TEST LOCATION: 550 GATEWAY BLVD. & CORPORATE DR
TEST DATE: 06-09-2014

COEFFICIENT	N ₂	HYDRANT #:
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Z

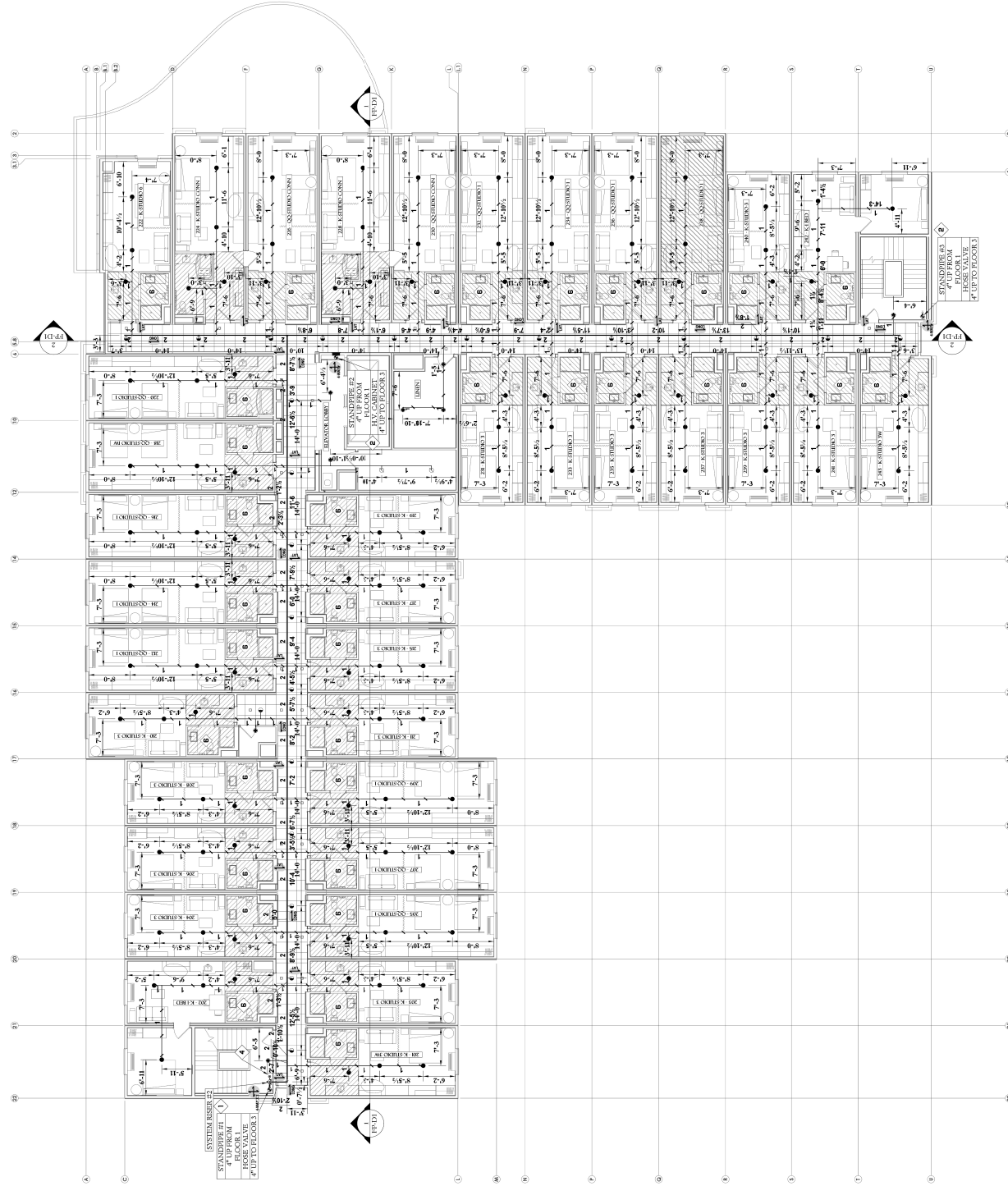


$$1/8^n = 1^{*}0$$

FLOOR 2 PIPING PLAN

FB-20

JOB NUMBER:	D-17000
DRAWN BY: B. WILLIAMS	CHECKED BY:
PLAN DATE: 12-10-00	PRINT DATE: 12-10-11



SPRINKLER LEGEND									
SYM.	SIN	MANUFACTURER	MODEL	RESPONSE K-FACTOR	TYPE	FINISH	THREAD	TRIM	QUANTITY
	TY322	TYCO	TY-FAB	QUICK	5.6	PENDENT	159F	RECESSED	8
	TY3531	TYCO	RH	QUICK	5.6	PENDENT	159F	CONCEALED	23
	TY322	TYCO	TY-FAB	QUICK	5.6	PENDENT	200F	RECESSED	2
	TY234	TYCO	LPH	QUICK	4.9	PENDENT	159F	CONCEALED	115
TOTAL = 148									



- 5 DRAIN TO SANITARY.
- 6 SPRINKLER OMITTED FROM BATHROOM. SEE DESIGN NOTE #3 ON
- 7 9'x11' MAX. IN SMALL ROOMS. SEE DESIGN NOTE #4 ON SHEET PP-0.1.
- 8 AUXILIARY DRAIN, NIPPLE, VALVE & PLUG.
- 9 SPRINKLERS OMITTED FROM OVERHANG. SEE NOTE #4 ON SHEET PP-0.1
- 10 LAUNDRY CHUTE HEAD PRE-INSTALLED & CONNECTED BY AEGIS

- 1 TYPICAL COMBINATION STANDPIPE, SEE DETAIL ON SHEET FP-D2.
- 2 TYPICAL STANDPIPE, SEE DETAIL ON SHEET FP-D2.
- 3 DRAIN DOWN FROM FLOOR ABOVE.
- 4 DRAIN DOWN TO FLOOR BELOW.
- 5 DRAIN TO SANITARY.

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

2834 EL CAMINO REAL
REDWOOD CITY CA 94061

2834 EL CAMINO REAL
REDWOOD CITY CA 94061

480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080

480 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 940

PHONE: (650) 829-6641

WELD INSPECTION:

PHONE: (650) 829-
WELD INSPECTION:

DESCRIPTION

DESCRIPTION

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[illegible]

STATIC PRESSURE:	70 PS
RESIDUAL PRESSURE:	

STATIC PRESSURE: _____

RESIDUAL PRESSURE: _____

TEST LOCATION: 550 GATEWAY
BLVD. & CORPORATE DR.

TEST LOCATION: 550 GATE
BLVD. & CORPORATE

TESTING AGENCY:
CALIFORNIA WATER SERVICE

HYDRANT #:

TESTING AGENCY:
CALIFORNIA WATER SERVICES
HYDRANT #:

Z

Z

$$1/8^m = 1^{t-0}$$

$$1/8^m = 1^{t-0}$$

FLOOR 3 PIPING PLAN

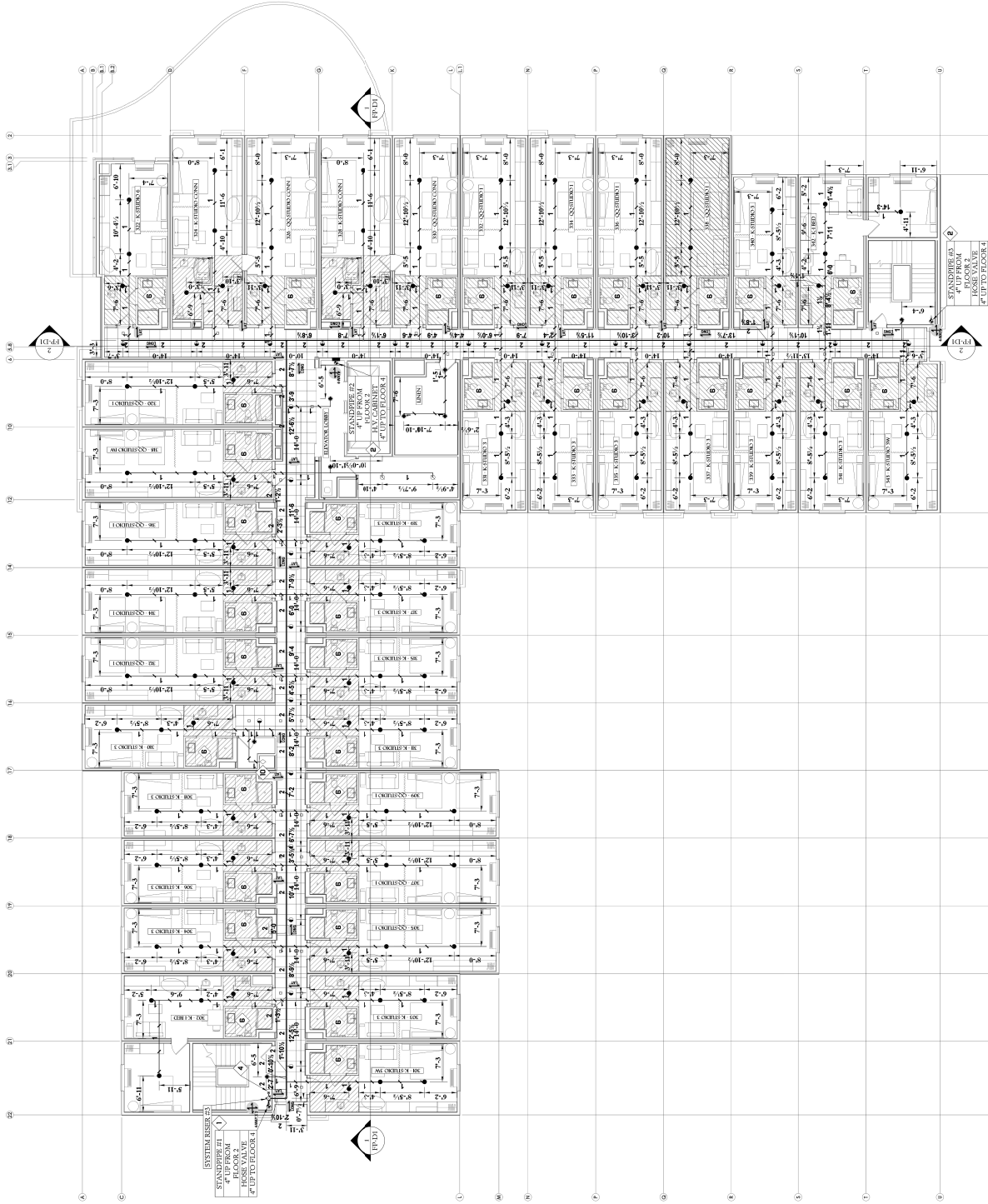
FLOOR 3 PIPING PLAN

FP-3.0

FP-3.0

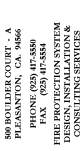
JOB NUMBER:	CHECKED BY:	D-1
	DRAWN BY:	
	B. WILLIAMS	

PLAN DATE: 12-19-2017	PRINT DATE: 12-19-2017
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STW	SIN	MANUFACTURER	MODEL	RESPONSE K-FACTOR	TYPE	TEMP.	FINISH	THREAD	TRIM	QUANTITY
◆	TY323	TYCO	TY-FRB	5.6	PENDENT	155°F	WHITE	1/2	RECESSED	8

[illegible]



HYDRAULIC INFORMATION

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
490 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
(650) 829-6645

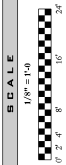
PHONE: (650) 829-6645

[illegible]

STATIC PRESSURE:	70 PSI
RESIDUAL PRESSURE:	

TESTING AGENCY:
CALIFORNIA WATER SERVICE

ORIENTATION



SHEET NUMBER

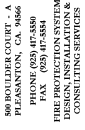
JOB NUMBER:	D-17007
DRAWN BY: B. WILLIAMS	CHECKED BY:
PLAN DATE: 12-19-2017	PRINT DATE: 12-19-2017

- 1 TYPICAL COMBINATION STANDPIPE, SEE DETAIL ON SHEET PP-D2.
- 2 TYPICAL STANDPIPE, SEE DETAIL ON SHEET PP-D2.
- 3 DRAIN DOWN FROM FLOOR ABOVE.
- 4 DRAIN DOWN TO FLOOR BELOW.
- 5 DRAIN TO SANITARY.

HYDRAULIC INFORMATION

Remote Area 4.1	
OCCUPANCY CLASSIFICATION	RESIDENTIAL
DENSITY (GPM/FT)	0.10 FOR 300GPM ACTUAL 432.58GPM
TOTAL HOSE STREAMS	10000
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	166.82
TOTAL PRESSURE REQUIRED	59.755
BASE OF RISER (GPM)	66.82
BASE OF RISER (PSI)	34.458

[illegible]



HYDRAULIC INFORMATION

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

SHS DEVELOPMENT

2804 EL CAMINO REAL
REDWOOD CITY, CA 94061

OUTH SAN FRANCISCO

SOUTH SAN FRANCISCO, CA 940

ONE;

DESCRIPTION

CITY SUPPLY

RESIDUAL PRESSURE:

2718

ST DATE: 06-09

DRANT #:

 $1/8" = 1'-0$

1100

SHEET NUMBER

FP-6.0

3 NUMBER: D.

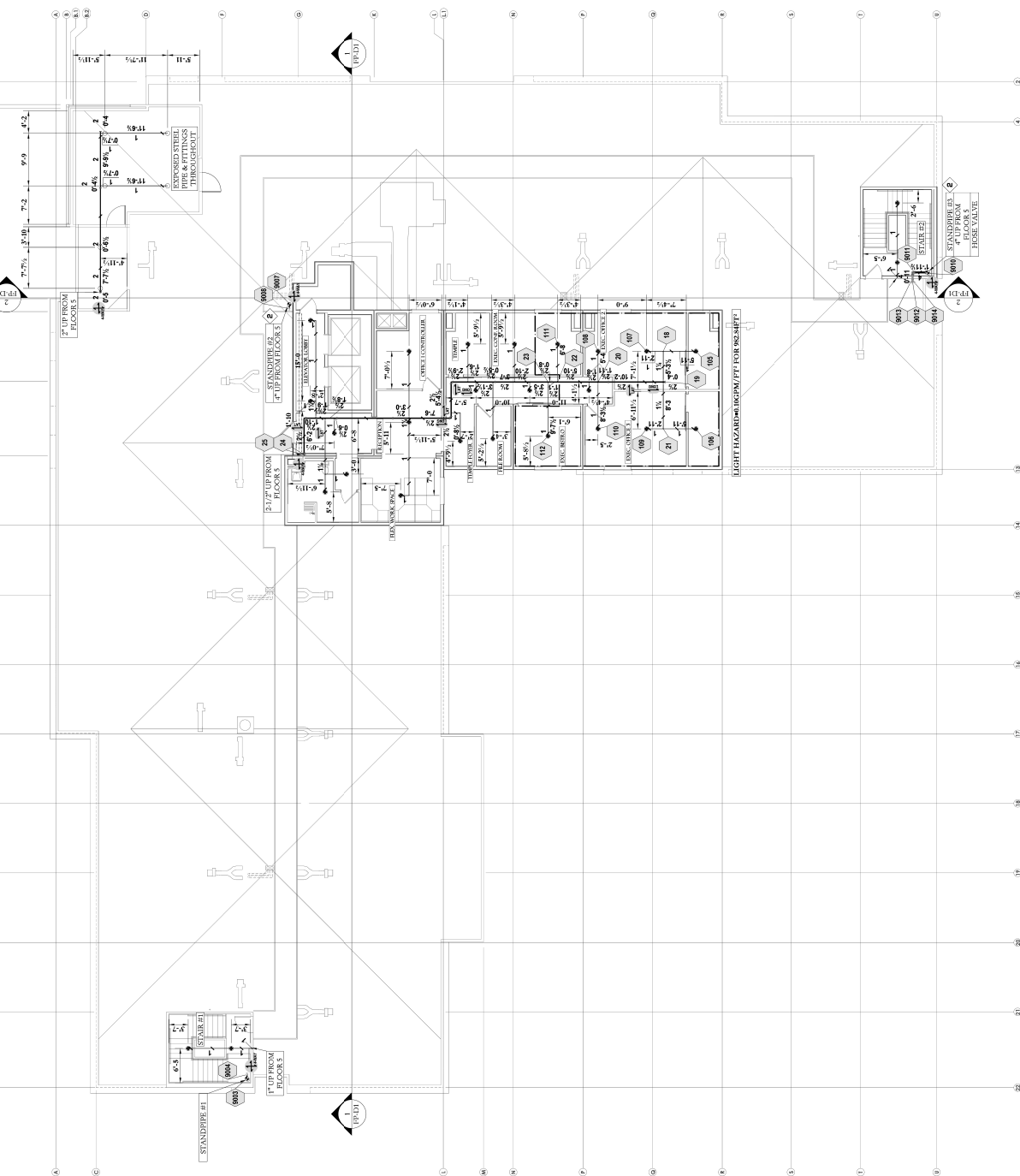
PLAN DATE:	PRINT DATE:
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0.000 0.000 0.000

- ↓ DRAIN DOWN FROM FLOOR ABOVE.
- ↓ DRAIN DOWN TO FLOOR BELOW.
- ↓ DRAIN TO SANITARY.
- ↓ SPRINKLER OMITTED FROM BATHROOM. SEE DESIGN NOTE #3 ON P. 9.0 MAX. IN SMALL ROOMS. SEE DESIGN NOTE #1 ON SHEET PP. 0.1.
- ↓ AUXILIARY DRAIN, NIPPLE, VALVE & PLUG.
- ↓ SPRINKLERS OMITTED FROM OVER HANG SH. NOTE #4 ON SHEET PP. 0.1.

HYDRAULIC INFORMATION

OCCUPANCY CLASSIFICATION	REMOTE AREA 6.1	LIGHT HAZARD
QUICK RESPONSE REDUCTION		0.1% FOR 1500FT ² (ACTUAL 98.8467%)
DENSITY (GPM/FT ²)		10.0% CEILING (40.0%) 900FT ²
TOTAL FLOW STREAMS	100.00	
TOTAL HEADS FLOWING	9	
K-FACTOR	5.6	
TOTAL WATER REQUIRED	209.54	
TOTAL PRESSURE REQUIRED	61.653	
BASE OF RISER (GPM)	209.54	
BASE OF RISER (PSI)	61.653	
SAFETY MARGIN (PSI)	*8314 (11.9%)	



SPRINKLER LEGEND

QTY	SYST	SIN	MANUFACTURER	MODEL	RESPONSE	K-FACTOR	TYPE	TEMP.	FINISH	THREAD	TRIM	QUANTITY
1		T7323	TYCO	TY-FRB	QUICK	5.6	PENDENT	155°F	WHITE	1/2	REFRESSED	27
1		T7313	TYCO	TY-FRB	QUICK	5.6	UPRIGHT	200°F	BRASS	1/2	N/A	6
												TOTAL = 33



PROJECT

**HOME2 SUITES
BY HILTON**

550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

**CUSTOMER
DEVELOPMENT**
2834 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS
**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
4801 NORTH CANAL ST.
SOUTH SAN FRANCISCO, CA 94080
(650) 829-6645

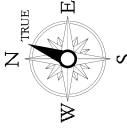
PHONE: (650) 829-6644

WELD INSPECTION:

REVISIONS	
NO.	DATE DESCRIPTION

CITY SUPPLY
STATIC PRESSURE:
RESIDUAL PRESSURE:
FLOW @ RESIDUAL:
TEST LOCATION:
TEST DATE:
TESTING AGENCY:

ORIENTATION



SCALE
1/8" = 1'-0"
0' 2' 4' 8' 16' 24'

DESCRIPTION

BUILDING SECTION PLAN
SHEET NUMBER

FP-D.1.1

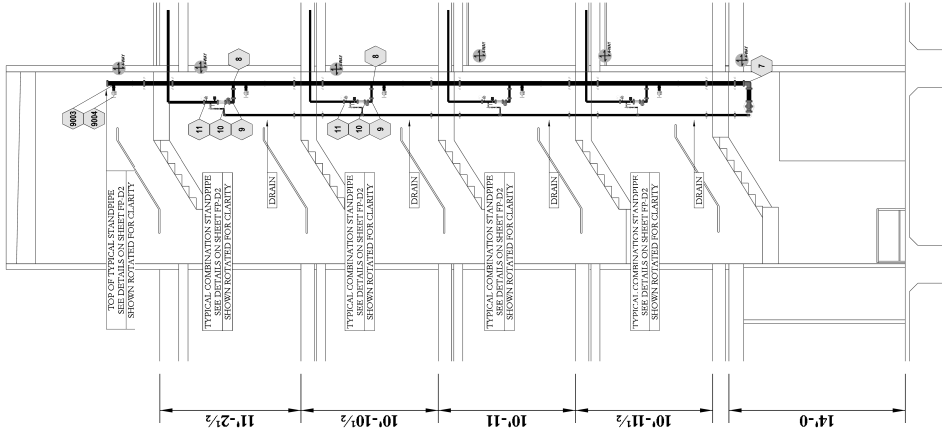
Architectural floor plan of a poultry processing facility, showing four parallel processing lines. The plan includes dimensions for each section: 11'-0" for the main processing areas and 6'-0" for the catheter/check in areas. A scale bar at the bottom indicates 1/8" = 6'-0".

Labels within the plan include:

- CATHETER/CHECK IN
- CORRIDOR 2

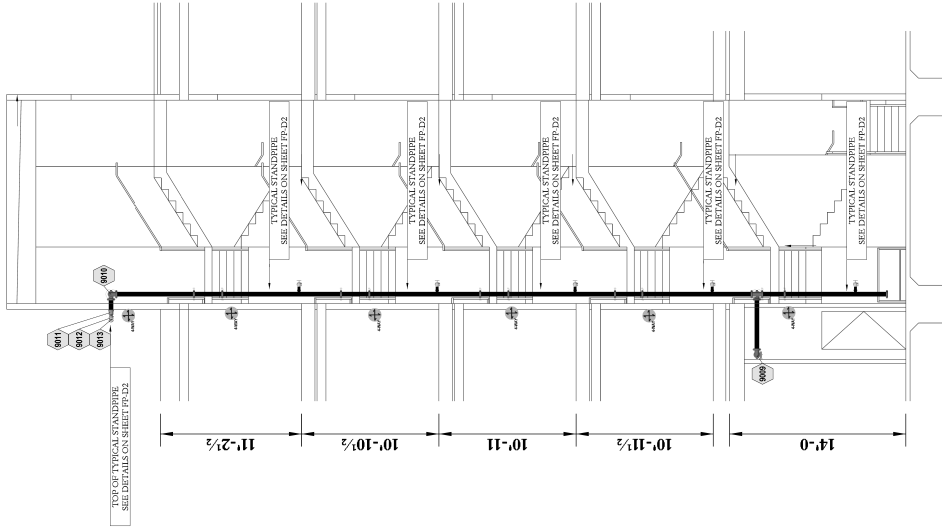
STAIR #1 SECTION

NOTE: 4-WAY BRACES HAVE SHALL BE PERMITTED TO BE OMITTED WHERE RISERS ARE 10" OR LESS. THE CLEARANCE DOES NOT EXCEED THE LIMITED CLEARANCE. PROVIDE A RISER EXTENDING THROUGH A SUBSTANTIAL FLOOR PROVIDES THE EQUIVALENT OF BRACING SEE 9.3.5.8.3. FOR RISERS THAT EXTEND ABOVE A ROOF OR CAN BE LOCATED AT THE UNDER-SIDE OF THE ROOF OR CAN BE LOCATED AT THE PROOF STRUCTURE IN THIS MANNER.



STAIR #2 SECTION

NOTE: 4-WAY BRACES HAVE SHALL BE PERMITTED TO BE OMITTED WHERE RISERS ARE 10" OR LESS. THE CLEARANCE DOES NOT EXCEED THE LIMITED CLEARANCE. PROVIDE A RISER EXTENDING THROUGH A SUBSTANTIAL FLOOR PROVIDES THE EQUIVALENT OF BRACING SEE 9.3.5.8.3. FOR RISERS THAT EXTEND ABOVE A ROOF OR CAN BE LOCATED AT THE UNDER-SIDE OF THE ROOF OR CAN BE LOCATED AT THE PROOF STRUCTURE IN THIS MANNER.



500 BOULDER COURT - A
PLANNATION, CA 94606
FAX (925) 447-5884
FIRE PROTECTION SYSTEM
DESIGN, INSTALLATION &
CONSULTING SERVICES

STAMP

PROJECT
**HOME2 SUITES
BY HILTON**
550 GATEWAY BOULEVARD
SOUTH SAN FRANCISCO, CA

CUSTOMER
SBS DEVELOPMENT
2854 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS
**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
480 NORTH CANAL ST
SOUTH SAN FRANCISCO, CA 94080
(650) 559-6445

INSPECTIONS
PHONE: (650) 829-6445

WELD INSPECTION: NO

REVISIONS
DATE
DESCRIPTION

NO.

CITY SUPPLY
STATIC PRESSURE: 70 PSI

RESIDUAL PRESSURE: 67 PSI

FLOW @ RESIDUAL: 2.78 GPM

TEST LOCATION: 550
BLVD. & CORCORAN DR.

TEST DATE: 06.09.2017

TESTING AGENCY: CALIFORNIA WATER SERVICE

HYDRANT #1: N/A

ORIENTATION

N TRUE
W E
S

SCALE
1" = 4'-0"
0' 2' 4' 8' 12'

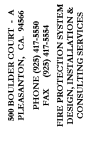
DESCRIPTION

STAIR SECTIONS PLAN

SHEET NUMBER

FP-D.1.1.2

DRAWN BY: D.17007
CHECKED BY:
PLANNATION
PRINT DATE: 12.10.2017



13	GANG DRAIN FROM FLOOR ABOVE, AS APPLICABLE
14	2" NOMINAL ANNULAR CLEARANCE
15	1" NOMINAL ANNULAR CLEARANCE
16	1'-0" ABOVE FINISH FLOOR
17	2'-0" ABOVE FINISH FLOOR
18	5'-0" ABOVE FINISH FLOOR
19	4-WAY SWAY BRACE

LEGEND

0	2" NOMINAL ANNULAR CLEARANCE
1	6" UNDERGROUND SUPPLY
2	6" GROOVED RIGID COUPLING

4	ROUGH WALL OPENING
5	10" (WIDTH) X 10" (HEIGHT) X 5" (DEPTH)
6	4-WAY SWAY BRIDGE
7	SUPPLY TO FLOOR ABOVE
8	2" NOMINAL ANNULAR CLEARANCE
9	3'-6" ABOVE FINISH FLOOR
9	RISER CLAMP

SPRINKLER SYSTEMS INFORMATION						
LEVEL	RISER #	RISER SIZE	MAIN DRAIN SIZE	TEST ORIFICE	# OF AUX. DRAINS	SYSTEM AREA
1	1	1 1/2"	1 1/2"	0.0047 - 3.4 - 1.92"	0	0.0 - 0.02 - 0.02 - 0.02"

SPARE SPRINKLERS	
A LIST OF THE SPRINKLERS INSTALLED IN THE PROPERTY SHALL BE POSTED IN THE	ADS #

TYPICAL STANDPIPE DETAIL	
ELEVATION VIEW	PLAN VIEW

1" X 1/2" REDUCER

2-1/4" DIAMETER HOLE

[illegible]

Age	>1,000	24
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	LEGEND

CUP & SKIRT SPRINKLER

DIFFUSIAL SPRAY UPRIGHT & PENDENT SPRINKLERS

PIPE TYPES INFORMATION		OBSTRUCTIONS TO RESISTANCE
TABLE 8.10.6.12 POSITION OF SPRINKLERS TO AVOID OBSTRUCTIONS TO RESISTANCE		TABLE 8.10.6.12 POSITION OF SPRINKLERS TO AVOID OBSTRUCTIONS TO RESISTANCE

TOP OF STANDPIPE DETAILS			P
TOP OF TYP. STANDPIPE	TOP OF TEST STANDPIPE	LEGEND	
		① VERTICAL SUPPLY PIPE (SIZE PER PLAN)	

TO
CONCEALED SPRINKLER

NDARD SPRAY UPRIGHT & PENDENT SPRINKLERS

TO HEAT SOURCES	OBSTRUCTIONS TO SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE (STANDARD SPRAY)
MINIMUM DISTANCE	

PENETRATION		SPRINKLER DISTANCE	
MAX PIPE DIAMETER IN.	F RATING HR	T RATING HR	
1	1 OR 2	0+ 1 OR 2	

RATED WALL PE	
GYPSUM BOARD	SEE NOTE

AEGIS FIRE SYSTEMS
500 BOLLINGER COURT - A
PLEASANTON, CA 94566
PHONE (925) 477-6800
FAX (925) 477-6801
FIRE ALARM, DETECTION,
DESIGN, INSTALLATION &
CONSULTING SERVICES

PROJECT
**HOME2 SUITES
BY HILTON**
550 CANTERBURY ROAD, FAYARD
SOUTH SAN FRANCISCO, CA
SOUTH SAN FRANCISCO, CA

CUSTOMER
SBS DEVELOPMENT
2854 EL CAMINO REAL
REDWOOD CITY, CA 94061

APPROVALS
**SOUTH SAN FRANCISCO
FIRE DEPARTMENT**
SOUTH SAN FRANCISCO, CA 94080
(415) 829-6645

INSPECTIONS
PHONE: (415) 829-6645
WELD INSPECTIONS: (415) 829-6645
REVISIONS
DATE
DISCUSSION

CITY SUPPLY
STATIC PRESSURE: 70 PSI
RESIDUAL PRESSURE: 47 PSI
FLOW @ RESIDUAL: 2.78 GPM
TEST LOCATION: 30-GATEWAY
TEST DATE: 06-09-2017
TESTING AGENCY: CALIFORNIA WATER SERVICE
HYDRANT #: N/A

ORIENTATION
N TRUE
W
E
S

NOT TO SCALE

DESCRIPTION
**HANGER & BRACING
DETAILS**

SHEET NUMBER
FP-D3
JOB NUMBER: D-17007
DRAWN BY: B. WILLIAMS
CHECKED BY: J. L. JONES
PRINT DATE: 12-13-2017

TABLE A311 HANGER ROD SIZE

UP TO AND INCLUDING 4"	4" TO 6"	6" TO 8"	8" TO 10"	10" TO 12"	12" TO 14"	14" TO 16"	16" TO 18"	18" TO 20"	20" TO 24"	24" TO 30"	30" TO 36"	36" TO 42"	42" TO 48"	48" TO 54"	54" TO 60"	60" TO 66"	66" TO 72"	72" TO 78"	78" TO 84"	84" TO 90"	90" TO 96"	96" TO 102"	102" TO 108"	108" TO 114"	114" TO 120"	120" TO 126"	126" TO 132"	132" TO 138"	138" TO 144"	144" TO 150"	150" TO 156"	156" TO 162"	162" TO 168"	168" TO 174"	174" TO 180"	180" TO 186"	186" TO 192"	192" TO 198"	198" TO 204"	204" TO 210"	210" TO 216"	216" TO 222"	222" TO 228"	228" TO 234"	234" TO 240"	240" TO 246"	246" TO 252"	252" TO 258"	258" TO 264"	264" TO 270"	270" TO 276"	276" TO 282"	282" TO 288"	288" TO 294"	294" TO 300"	300" TO 306"	306" TO 312"	312" TO 318"	318" TO 324"	324" TO 330"	330" TO 336"	336" TO 342"	342" TO 348"	348" TO 354"	354" TO 360"	360" TO 366"	366" TO 372"	372" TO 378"	378" TO 384"	384" TO 390"	390" TO 396"	396" TO 402"	402" TO 408"	408" TO 414"	414" TO 420"	420" TO 426"	426" TO 432"	432" TO 438"	438" TO 444"	444" TO 450"	450" TO 456"	456" TO 462"	462" TO 468"	468" TO 474"	474" TO 480"	480" TO 486"	486" TO 492"	492" TO 498"	498" TO 504"	504" TO 510"	510" TO 516"	516" TO 522"	522" TO 528"	528" TO 534"	534" TO 540"	540" TO 546"	546" TO 552"	552" TO 558"	558" TO 564"	564" TO 570"	570" TO 576"	576" TO 582"	582" TO 588"	588" TO 594"	594" TO 600"	600" TO 606"	606" TO 612"	612" TO 618"	618" TO 624"	624" TO 630"	630" TO 636"	636" TO 642"	642" TO 648"	648" TO 654"	654" TO 660"	660" TO 666"	666" TO 672"	672" TO 678"	678" TO 684"	684" TO 690"	690" TO 696"	696" TO 702"	702" TO 708"	708" TO 714"	714" TO 720"	720" TO 726"	726" TO 732"	732" TO 738"	738" TO 744"	744" TO 750"	750" TO 756"	756" TO 762"	762" TO 768"	768" TO 774"	774" TO 780"	780" TO 786"	786" TO 792"	792" TO 798"	798" TO 804"	804" TO 810"	810" TO 816"	816" TO 822"	822" TO 828"	828" TO 834"	834" TO 840"	840" TO 846"	846" TO 852"	852" TO 858"	858" TO 864"	864" TO 870"	870" TO 876"	876" TO 882"	882" TO 888"	888" TO 894"	894" TO 900"	900" TO 906"	906" TO 912"	912" TO 918"	918" TO 924"	924" TO 930"	930" TO 936"	936" TO 942"	942" TO 948"	948" TO 954"	954" TO 960"	960" TO 966"	966" TO 972"	972" TO 978"	978" TO 984"	984" TO 990"	990" TO 996"	996" TO 1002"	1002" TO 1008"	1008" TO 1014"	1014" TO 1020"	1020" TO 1026"	1026" TO 1032"	1032" TO 1038"	1038" TO 1044"	1044" TO 1050"	1050" TO 1056"	1056" TO 1062"	1062" TO 1068"	1068" TO 1074"	1074" TO 1080"	1080" TO 1086"	1086" TO 1092"	1092" TO 1098"	1098" TO 1104"	1104" TO 1110"	1110" TO 1116"	1116" TO 1122"	1122" TO 1128"	1128" TO 1134"	1134" TO 1140"	1140" TO 1146"	1146" TO 1152"	1152" TO 1158"	1158" TO 1164"	1164" TO 1170"	1170" TO 1176"	1176" TO 1182"	1182" TO 1188"	1188" TO 1194"	1194" TO 1200"	1200" TO
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