

ABBREVIATIONS

Table of abbreviations for plumbing components, materials, and units. Includes categories like Catch Basin, Electric Water Cooler, Linear Feet, Rain Water Leader, etc.

SYMBOLS (AS APPLICABLE)

Table of symbols for plumbing components. Includes categories like Piping, Valves, Fixtures, Equipment, Pumps, and Annotations. Includes symbols for pipe types, valves, and fixtures.

GENERAL NOTES

1. INSERT APPLICABLE GENERAL NOTE PER PROJECT TYPE.

FIRE PROTECTION NOTES

1. INSERT APPLICABLE FIRE PROTECTION NOTE PER PROJECT TYPE.

ENERGY COMMISSION NOTES

DOMESTIC WATER HEATERS SHALL BE CERTIFIED AND LISTED BY THE CALIFORNIA ENERGY COMMISSION.

SHEET INDEX

Table with columns: SHEET NO., SHEET TITLE, SHEET SCALE. Lists sheets P000 through P601.

100% CONSTRUCTION DOCUMENTS

CONSULTANTS:

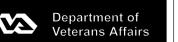
Syska Hennessy logo and contact information: 251 Post Street, Suite 620, San Francisco, CA 94108.

ARCHITECT/ENGINEERS:

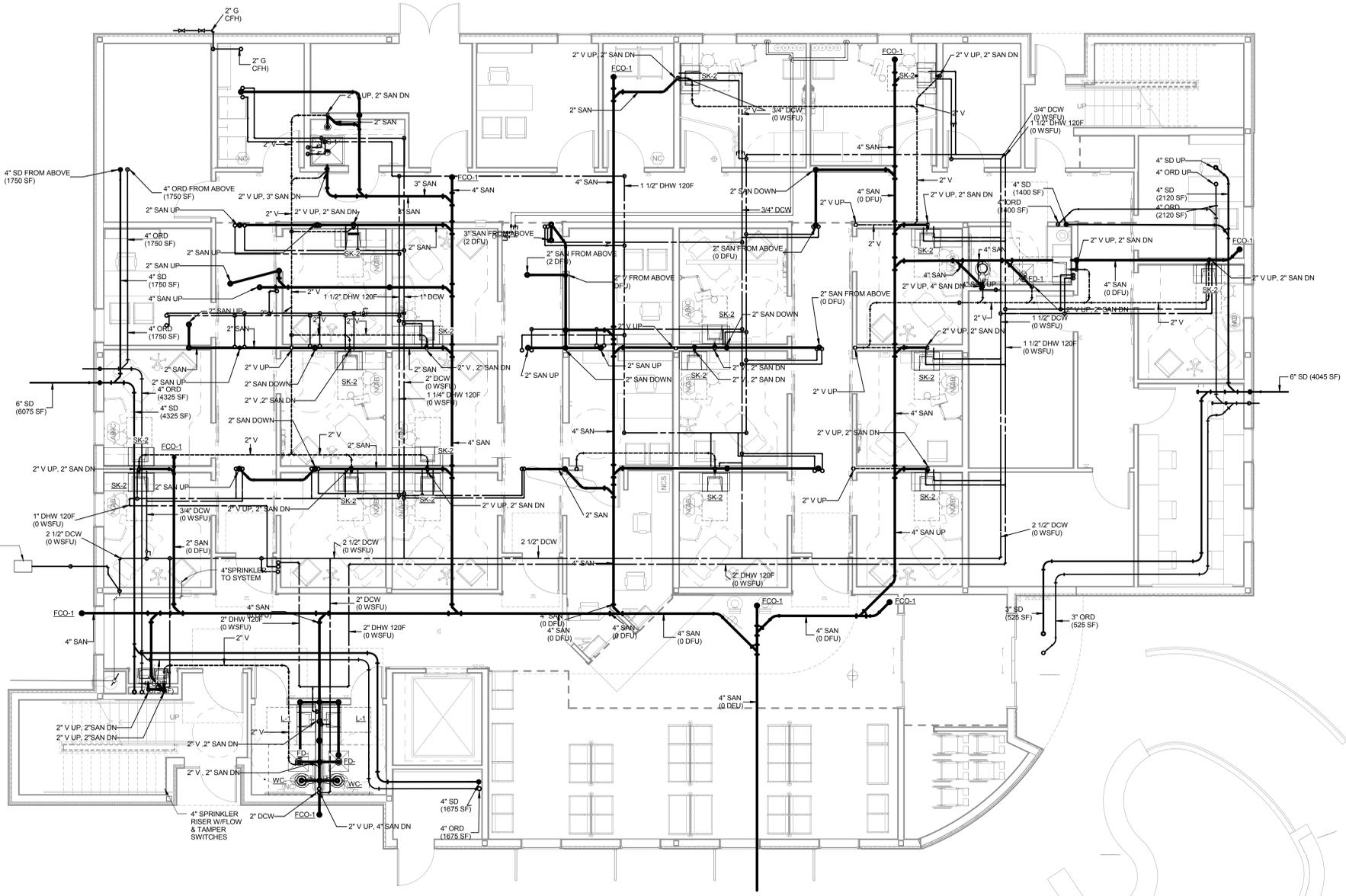
Hilliard Architects logo and contact information: 251 Post Street, Suite 620, San Francisco, CA 94108.

Project information form including Drawing Title (PLUMBING COVER SHEET), Project Number (612-122), Building Number (648), Location (VA MATHER), Date (05/12/2014), and Designer (RH).

Office of Construction and Facilities Management



three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot



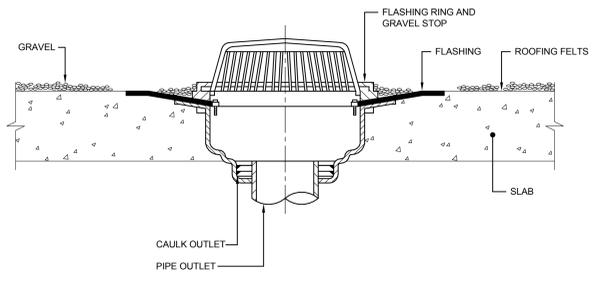
KEY NOTES:

SHEET NOTES:

1 LEVEL 1 PLUMBING PLAN
 3/16" = 1'-0"

100% CONSTRUCTION DOCUMENTS

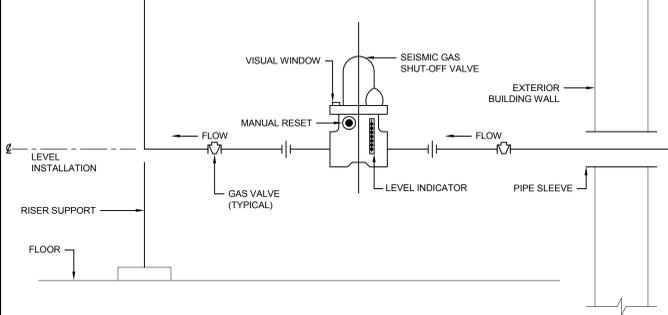
CONSULTANTS:  SYSKA HENNESSY GROUP A member company of SH Group, Inc.	Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415 288 9060 Fax: 415 835 0385 www.syska.com	ARCHITECT/ENGINEERS:  HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com	Drawing Title <p align="center">LEVEL 1 PLUMBING PLAN</p>	Project Title <p align="center">MED SPECIALTIES BUILDING 648</p>	Project Number 612-122			
			Approved: Project Director	Location VA MATHER	Building Number 648	Drawing Number <p align="center">P101</p>	Date 05/12/2014	Checked RH



NOTE:
PIPE OUTLET SHALL BE CAULKED OR NO-HUB.

ROOF DRAIN (PRE-CAST CONCRETE)

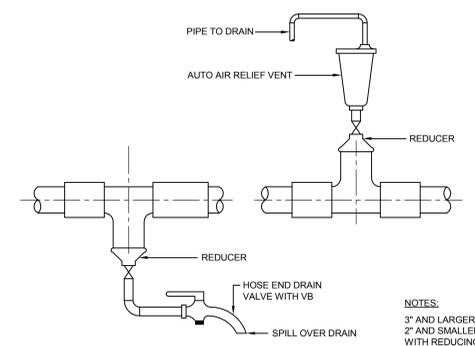
10



NOTE:
VALVE SHALL ACTUATE IN CLOSE POSITION WITHIN 5 SECS. TO HORIZONTAL SINUSOIDAL OSCILLATION OF 0.5 G AND A PERIOD OF 4 SECS.

SEISMIC GAS SHUT-OFF VALVE

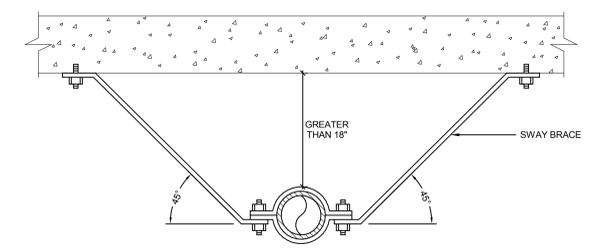
7



NOTES:
3" AND LARGER USE REDUCING FITTING 2" AND SMALLER USE STRAIGHT TEE WITH REDUCING OUTLET

INSTALLATION OF DRAIN VALVE AND AUTOMATIC AIR RELIF VALVE

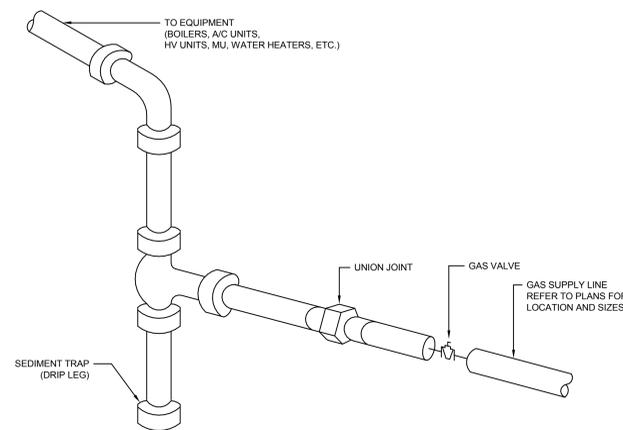
4



WHEN HUBLESS PIPING IS SUSPENDED IN EXCESS OF 18" BELOW STRUCTURE, SWAY BRACING SHALL BE PROVIDED TO PREVENT HORIZONTAL MOVEMENT. LOCATE BRACE EVERY 30 FT. ON STRAIGHT RUNS WITH AT LEAST ONE BRACE ON OFFSETS IN EXCESS OF 10 FEET. SUBMIT DETAILS IF VARIATION IS REQUIRED.

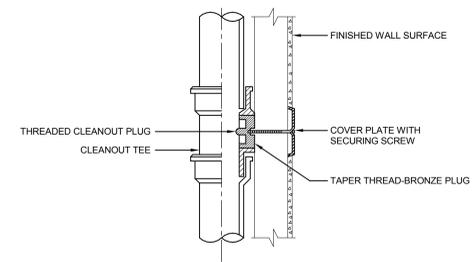
HUBLESS PIPE SWAY BRACING FOR HORIZONTAL PIPING

1



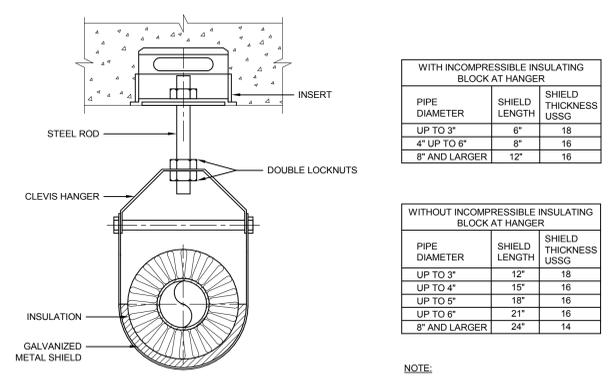
GAS EQUIPMENT CONNECTION

8



CLEANOUT FOR DRAINAGE PIPING CONCEALED BEHIND WALLS

5



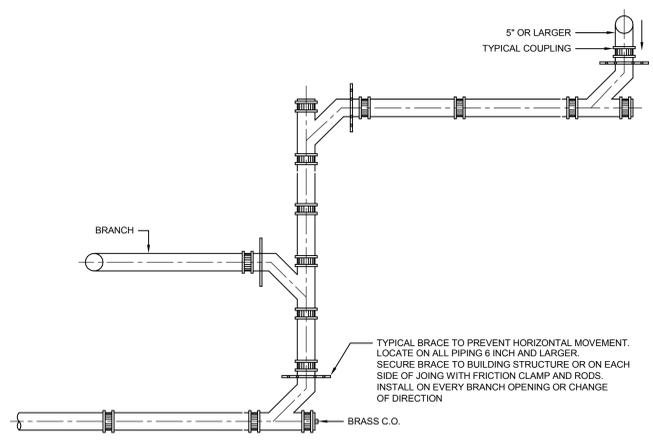
WITH INCOMPRESSIBLE INSULATING BLOCK AT HANGER		
PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS USGG
UP TO 3"	6"	18
4" UP TO 6"	8"	18
8" AND LARGER	12"	16

WITHOUT INCOMPRESSIBLE INSULATING BLOCK AT HANGER		
PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS USGG
UP TO 3"	12"	18
UP TO 4"	15"	16
UP TO 5"	18"	16
UP TO 6"	21"	16
8" AND LARGER	24"	14

NOTE:
HANGER, ROD AND INSERT SHALL BE DIPPED IN RED OXIDE PRIMER PRIOR TO INSTALLATION.

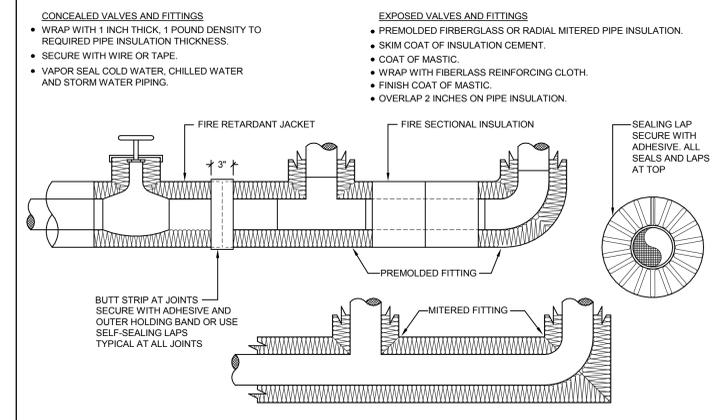
INSULATED SUPPORT NEW CONSTRUCTION

2



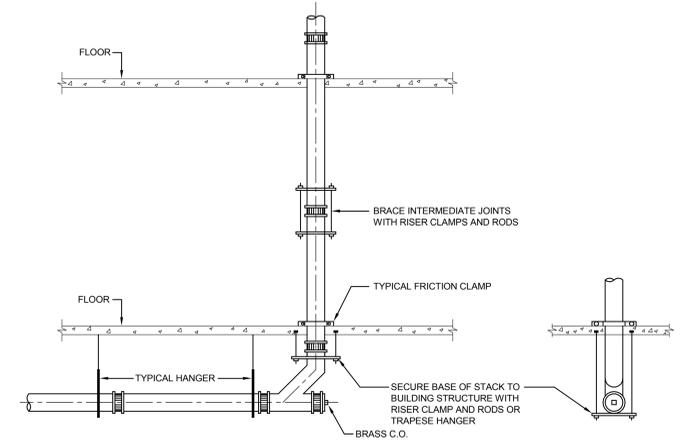
HUBLESS PIPE BRACING LOCATION FOR HORIZONTAL PIPING

9



INSULATION OF PIPING, VALVES AND FITTINGS FOR EXPOSED AND CONCEALED LOCATIONS

6



HUBLESS PIPE BRACING FOR VERTICAL PIPING

3

100% CONSTRUCTION DOCUMENTS

HILLIARD ARCHITECTS INC. COPYRIGHT

DETAIL 1
1/2" = 1'-0"

Revisions:	Date

CONSULTANTS:

SYSKA HENNESSY GROUP
A member company of SH Group, Inc.

Syska Hennessy Group, Inc.
425 California Street
Suite 700
San Francisco, CA 94104
Tel: 415 288 9060
Fax: 415 835 0385
www.syska.com

ARCHITECT/ENGINEERS:

HILLIARD ARCHITECTS, INC
251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

ESTABLISHED 1988
GOING GREEN

Drawing Title
PLUMBING DETAILS

Approved: Project Director

Project Title
MED SPECIALTIES BUILDING 648

Project Number
612-122
Building Number
648

Location
VA MATHER

Date
05/12/2014

Checked
RH

Drawn
Author

Drawing Number
P501

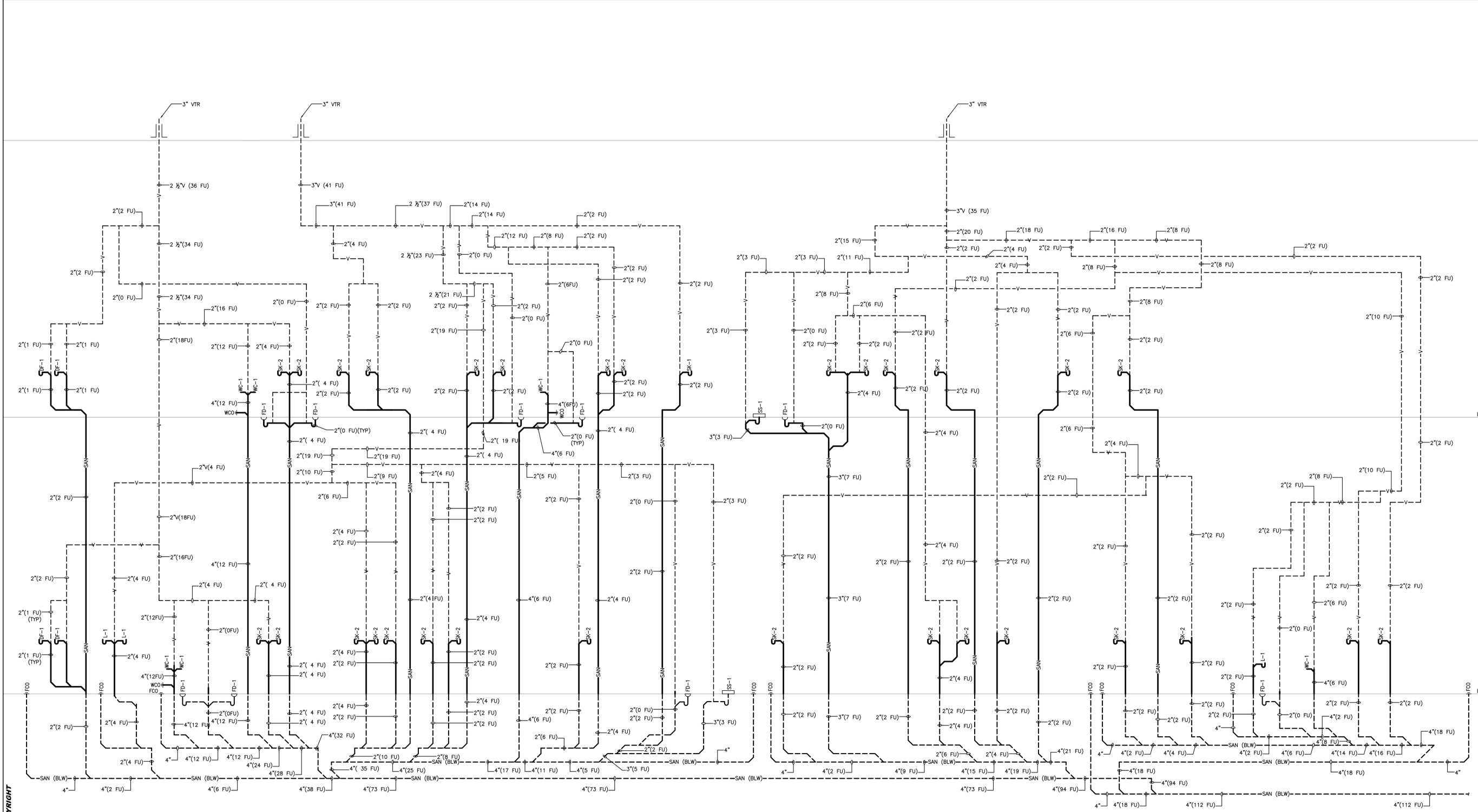
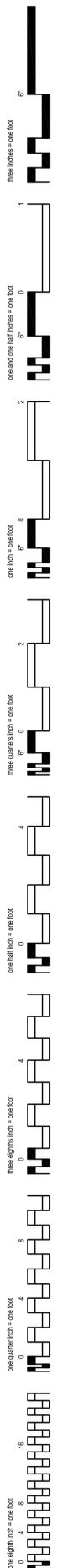
Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

A
B
C
D
E
F

ROOF
LEVEL 2
LEVEL 1



100% CONSTRUCTION DOCUMENT

SCHEMATIC DESIGN	Date
Revisions:	

CONSULTANTS:



Syska Hennessy Group, Inc.
425 California Street
Suite 700
San Francisco, CA 94104
Tel: 415.298.9660
Fax: 415.835.0365
www.syska.com

ARCHITECT/ENGINEERS:



HILLIARD ARCHITECTS, INC
251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title
WASTE AND VENT RISER DIAGRAM

Approved: Project Director

Project Title
MED SPECIALTIES BUILDING 648

Location
VA MATHER

Date
05/12/2014

Checked
RH

Drawn

Project Number
612-122

Building Number
648

Drawing Number
P601

Dwg. of

Office of Construction and Facilities Management



Department of Veterans Affairs