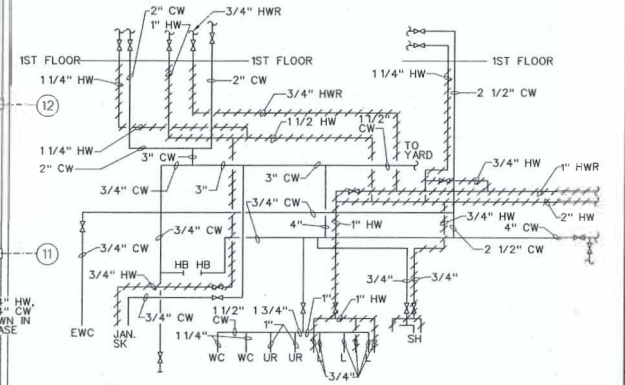


GENERAL NOTES:

- A. INSTALL NEW HOT WATER AND HOT WATER RETURN PIPING TO THE EXTENT POSSIBLE BEFORE REMOVING EXISTING PIPING. RUN NEW PIPING TO CONNECTION POINTS WITH EXISTING PIPING AND COORDINATE SHUTDOWN OF WATER WITH RESIDENT ENGINEER FOR CONNECTION TO EXISTING.
- B. LOCATION OF PIPING TO BE DEMOLISHED IS APPROXIMATE. HEIGHT OF PIPING ABOVE THE FINISHED FLOOR VARIES FROM 8 TO APPROXIMATELY 12 FEET. CONTRACTOR SHALL VERIFY IN THE FIELD OF EXACT LOCATION AND HEIGHT.

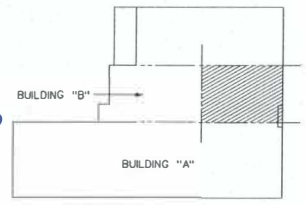
SHEET NOTES:

- 1. CHILLED WATER PIPING AND HOT WATER PIPING (BOILER) NOT SHOWN FOR CLARITY. BOTTOM OF PIPING IS 9.5 FEET ABOVE RAISED FLOOR (ARF).
- 2. DEMOLISH DOMESTIC HOT WATER AND HOT WATER RETURN PIPING AND INSULATION.
- 3. REMOVE LEAK DETECTION CABLE FROM BOTTOM OF DOMESTIC HOT WATER PIPING (SUPPLY AND RETURN); PROTECT CABLE FROM DAMAGE FOR REINSTALLATION.
- 4. PIPING LOCATED ABOVE ACOUSTICAL CEILING TILE.



1 SOUTH END BASEMENT RESTROOM RISER (DEMOLITION)
NOT TO SCALE

SAMPLE B22-001-Wrap



KEY PLAN
NOT TO SCALE

REV	DATE	DESCRIPTION	BY	DATE	APPROVED
B	10/12/2012	REVISED PIPING		10/12/2012	MIC
A	07/27/2012	REVISED PIPING LOCATION		07/27/2012	MIC
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS CENTRAL SERVICE AREA ARTCC DOMESTIC HOT WATER PIPING REPLACEMENT SOUTH END BASEMENT DOMESTIC HOT WATER DEMOLITION PLAN					
HOUSTON AIR ROUTE TRAFFIC CONTROL CENTER TX					
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	MICHAEL T. CARROLL	PETE HEAY			
DESIGNED BY	PROJECT ENGINEER	MGR. ENGINEERING - FORT WORTH	DATE	03/22/2012	REV
			ISSUED BY		R08798
DRAWN	ENG	ENGINEERING SERVICES	DRAWING NO.	ZHU-D-ARTCC-M026	REV
CHECKED	ENR	ENROUTE/FSO			B

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

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



EMSL Analytical, Inc.

5950 Fairbanks N. Houston Rd. Houston, TX 77040

Tel/Fax: (713) 686-3635 / (713) 686-3645

<http://www.EMSL.com/houstonlab@emsl.com>

EMSL Order: 151608614

Customer ID: FAAH78

Customer PO:

Project ID:

Attention: Maria Valadez
FAA - Houston ARTCC
16600 John F. Kennedy Blvd.
Houston, TX 77032

Phone: (281) 230-6381

Fax:

Received Date: 11/09/2016 8:00 AM

Analysis Date: 11/10/2016 - 11/11/2016

Collected Date: 10/26/2016

Project: ZHU

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B22-001-Wrap <small>151608614-0001</small>	Rm B22 - Above Ceiling Tiles Hot water Line - Pipe Insulation	White Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
B22-001-Insulation <small>151608614-0001A</small>	Rm B22 - Above Ceiling Tiles Hot water Line - Pipe Insulation	Gray Fibrous Homogeneous	5% Cellulose 40% Min. Wool	20% Ca Carbonate 35% Non-fibrous (Other)	None Detected
B29-001-Wrap <small>151608614-0002</small>	Rm 29 - Elevator Eq. Rm. Water Line - Pipe Insulation	Gray/White/Silver Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
B29-001-Mastic <small>151608614-0002A</small>	Rm 29 - Elevator Eq. Rm. Water Line - Pipe Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B29-001-Insulation <small>151608614-0002B</small>	Rm 29 - Elevator Eq. Rm. Water Line - Pipe Insulation	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B29-002-Wrap <small>151608614-0003</small>	Rm 29 - Elevator Eq. Rm. Water Line - Pipe Insulation	White/Silver Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
B29-002-Insulation <small>151608614-0003A</small>	Rm 29 - Elevator Eq. Rm. Water Line - Pipe Insulation	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B31-001-Wrap <small>151608614-0004</small>	Rm 31 - O/H - Pipe Insulation	White/Silver Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
B31-001-Insulation <small>151608614-0004A</small>	Rm 31 - O/H - Pipe Insulation	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B31-002-Wrap <small>151608614-0005</small>	Rm 31 - O/H - Pipe Insulation	White/Silver Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
B31-002-Insulation <small>151608614-0005A</small>	Rm 31 - O/H - Pipe Insulation	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B31-003 <small>151608614-0006</small>	Rm 31 - Plaster - Elbow	White Fibrous Heterogeneous	20% Cellulose	10% Ca Carbonate 65% Non-fibrous (Other)	5% Chrysotile



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EMSL Order: 151608614

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Analyst(s)

Michelle Leggett (3)

Wanda Porch (9)

Michelle Leggett, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Houston, TX NVLAP Lab Code 102106-0, AZ 0925, CO AL-15355, LA 04126, TX 300159

Initial report from: 11/11/2016 16:28:17