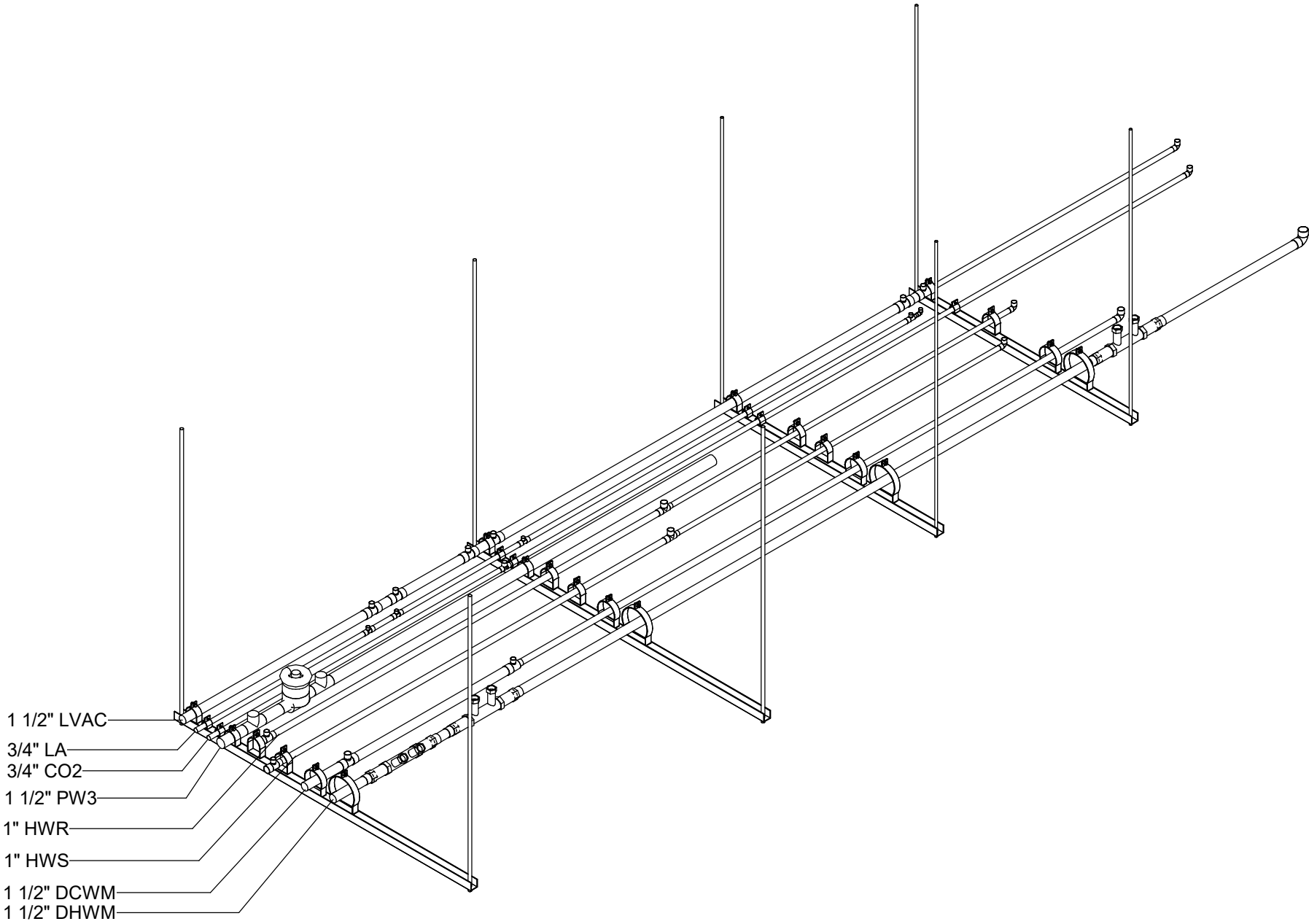
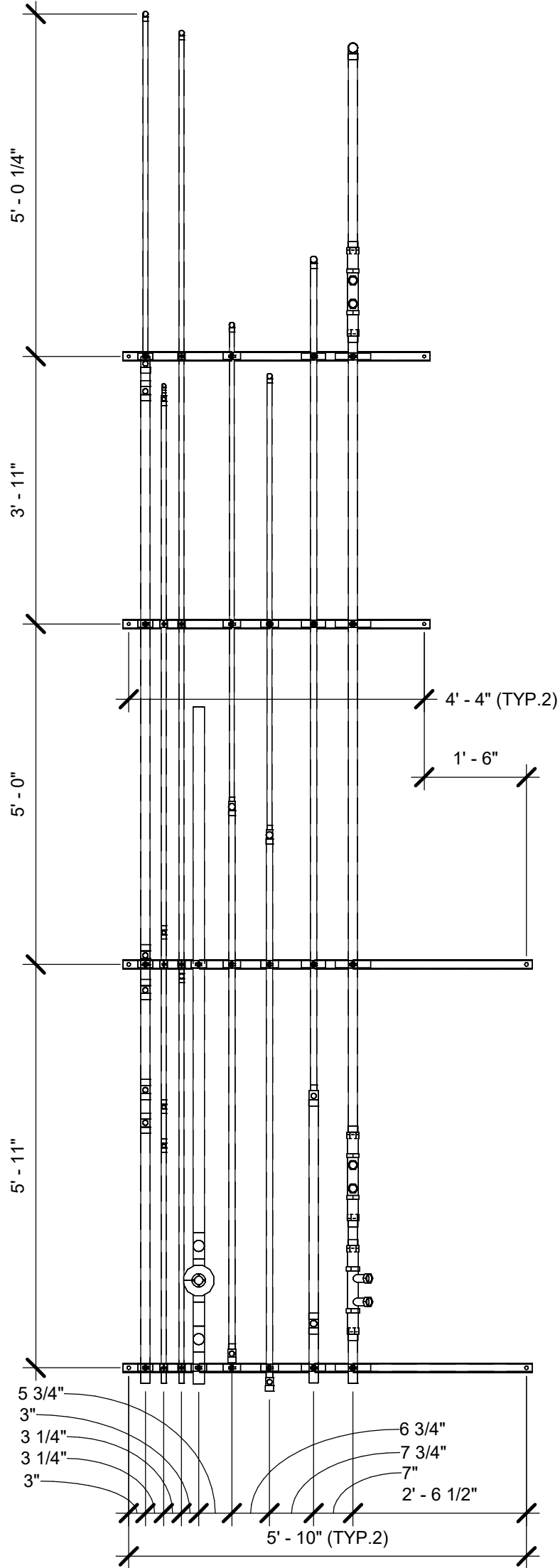


BIM 360/WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
12/17/2021 11:28:48 AM



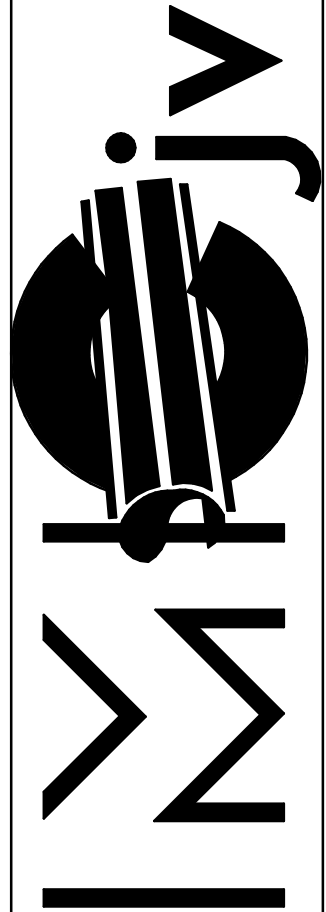
1 AS-L07-066 - ISOMETRIC
AS-L07-066 SCALE:



2 AS-L07-066
AS-L07-066 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	AS-L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:

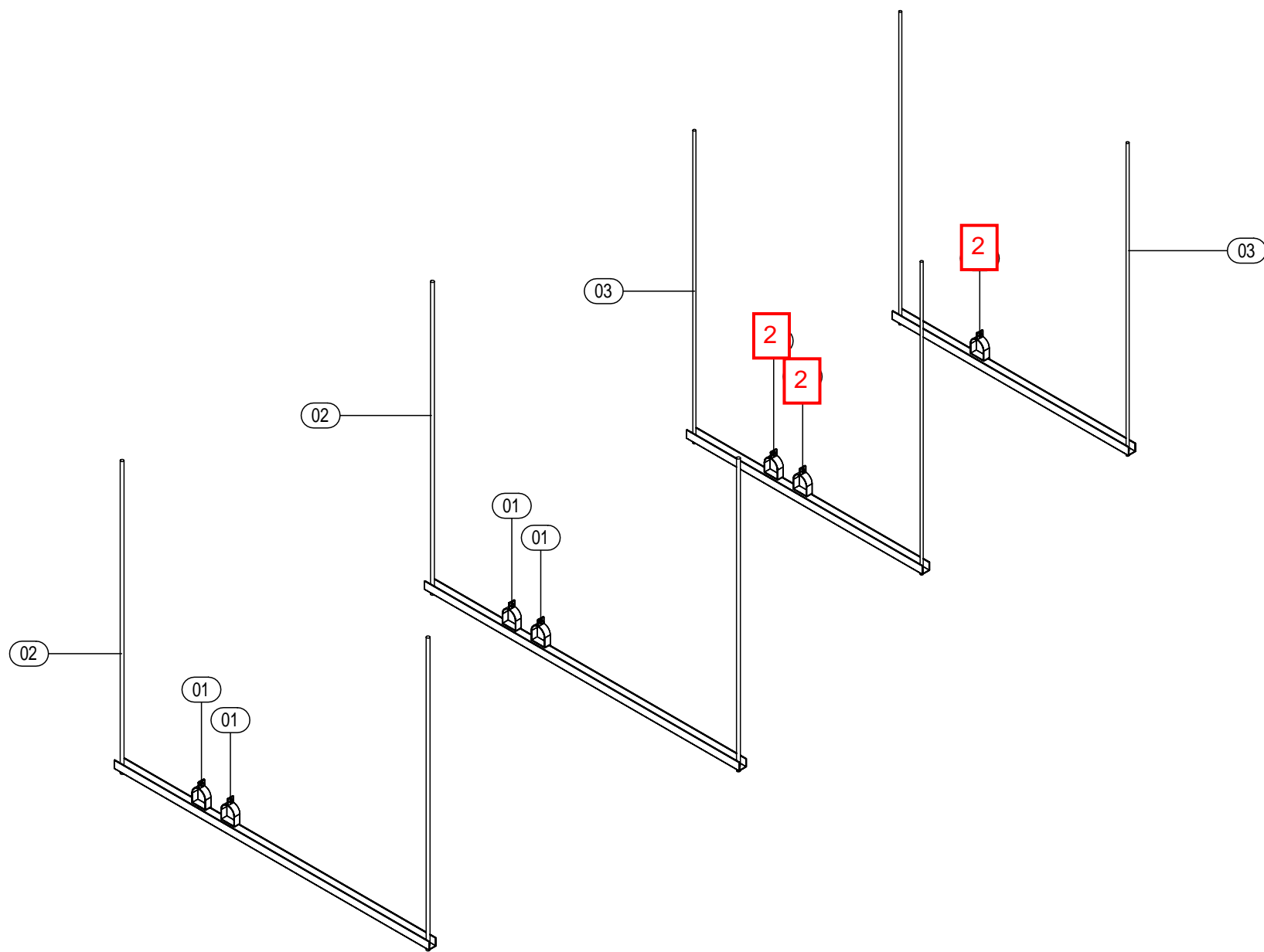


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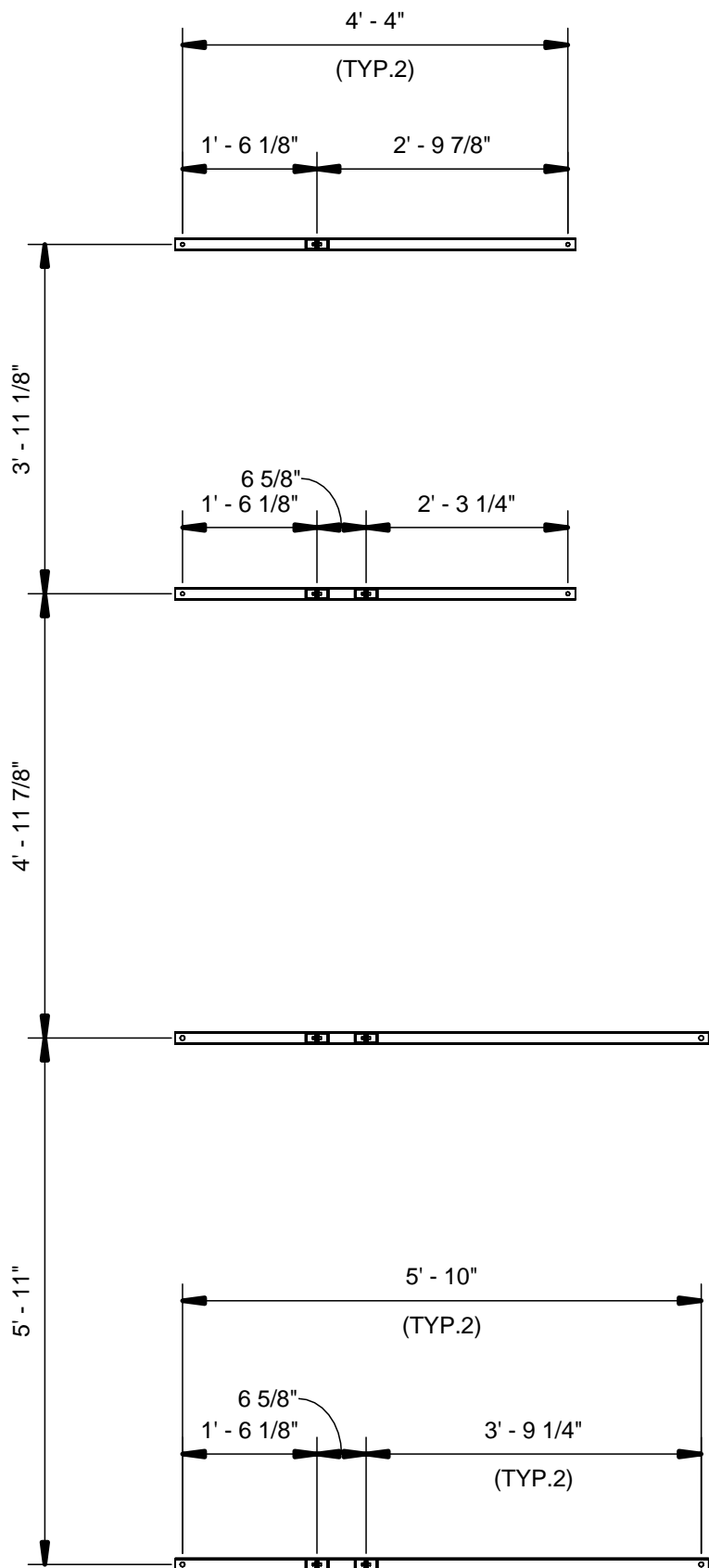
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
23-11-2021 11:37:49

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	7	2.5"	B-Line B2000-ZN Sch 40 Pipe Clamp		0"		0"	
02	2	68"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		6' - 0"	5' - 2"	5' - 2"	
03	2	50"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		4' - 6"	5' - 2"	5' - 2"	

01	2	3 1/8"	B Line #2046
02	3	2 7/8"	B Line #2014



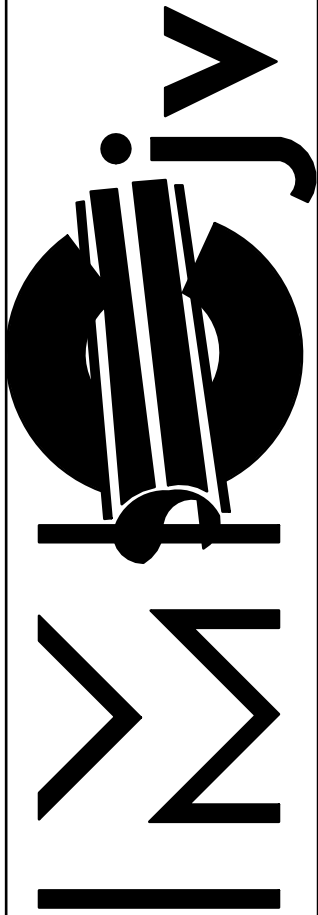
2 ISOMETRIC
SCALE:



1 TOP VIEW
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	HPHGR-L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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BIM 360//WUSM NRBWUSM_RB_PUF.rvt
23-11-2021 17:53:04

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	5	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
02	8	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	

1

ISOMETRIC

SCALE:

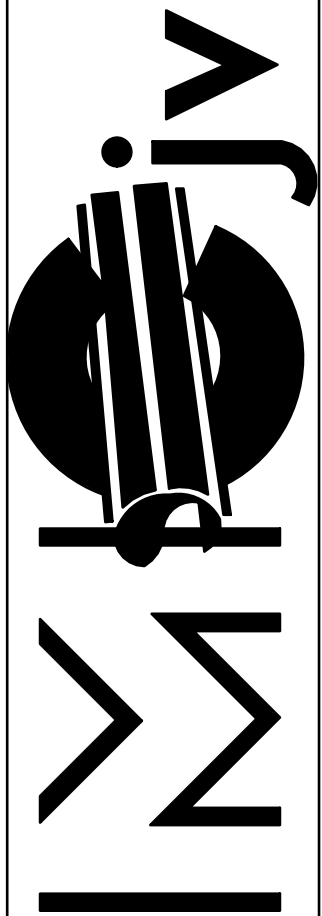
2

TOP VIEW

SCALE: 1/2" = 1'-0"

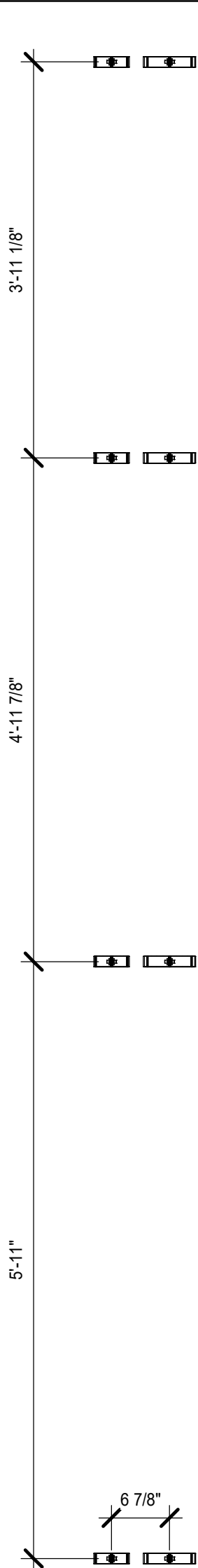
A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PUHGR-L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:

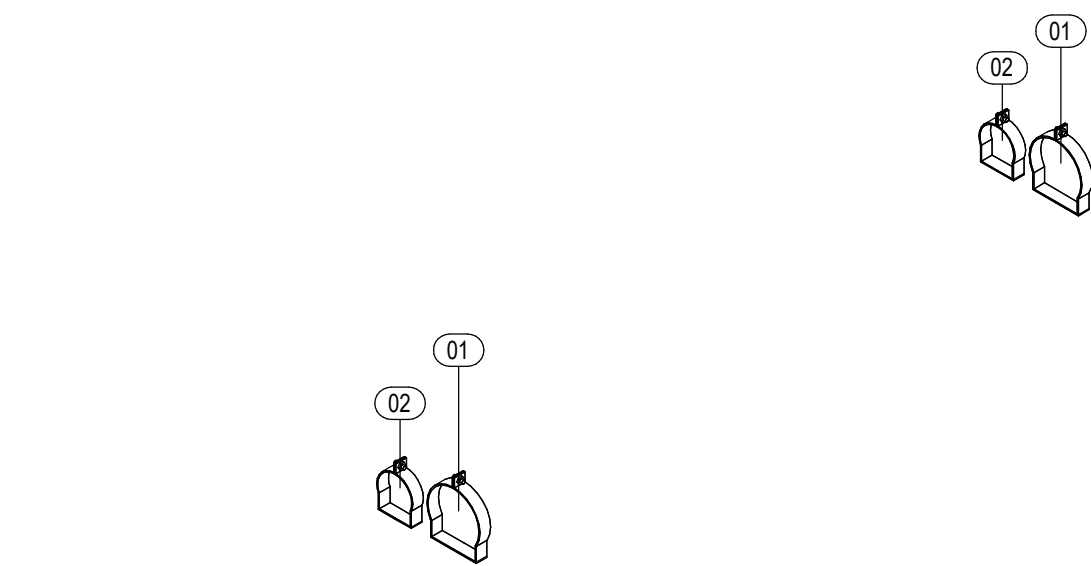


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BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
2/1/2022 1:26:13 PM



2 Elevation Top
SCALE: 3/4" = 1'-0"



1 ISOMETRIC

Mark	Qty	Size	Description
01	4	5.13"	B-Line B2000 Series - OD Pipe and Conduit
02	4	3.63"	B-Line B2000 Series - OD Pipe and Conduit

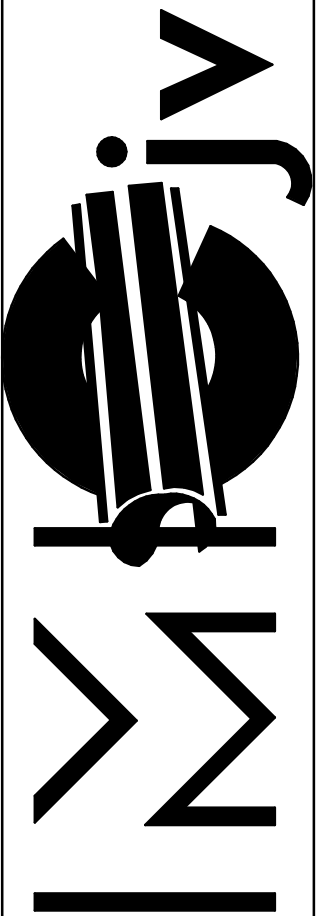
JOB: WASH U NRB

TICKET: PPHGR-L07-066

Drawn By: Author

DATE: 02/01/22 DATE REQ:

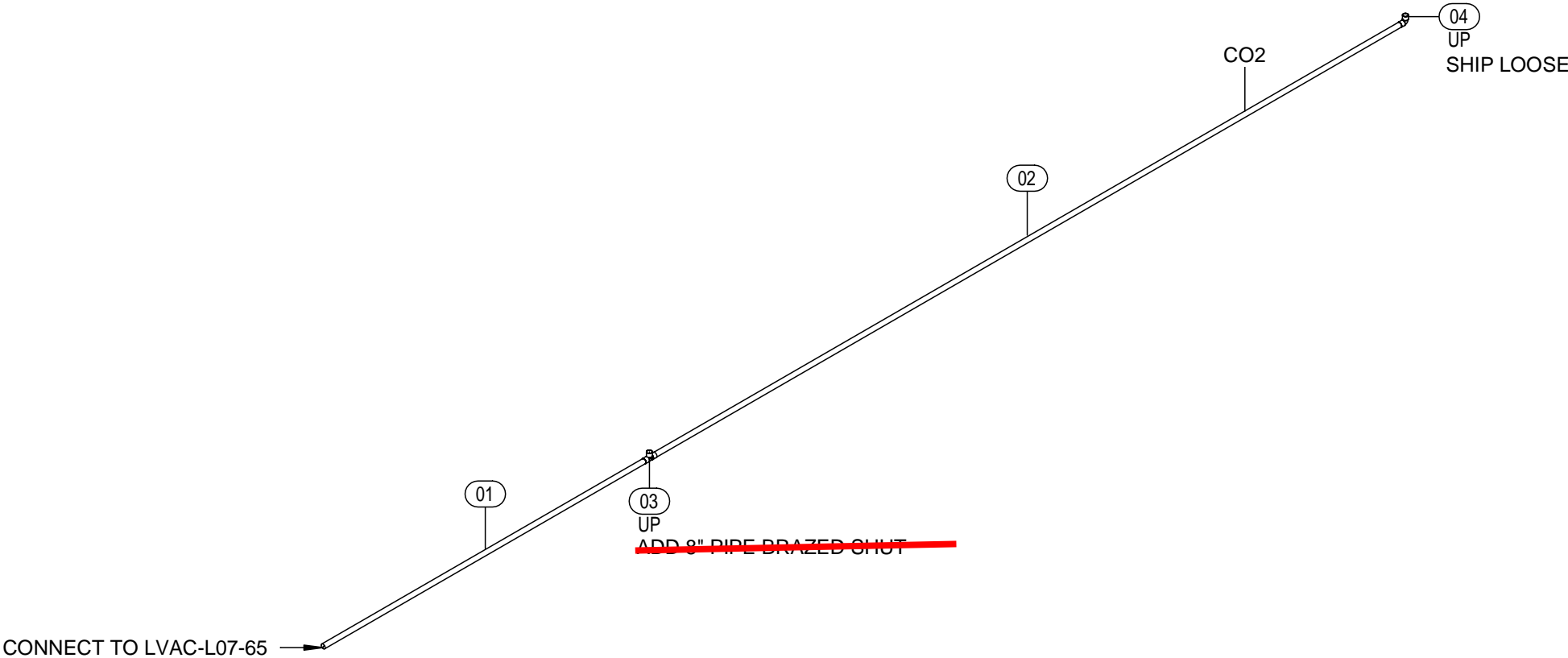
A1	A3	B1	B3
A2	A4	B2	B4



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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
23-11-2021 16:25:40

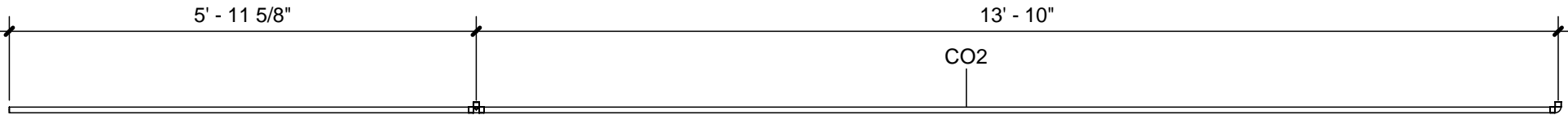
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	5'-11 3/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	13'-9 1/16"				
03	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
04	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					



1

ISOMETRIC

SCALE:



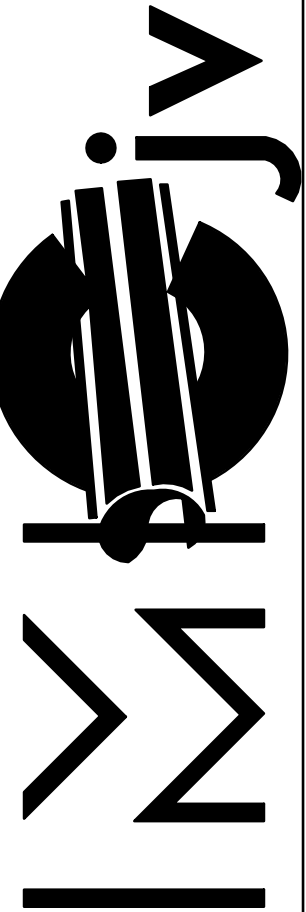
2

RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

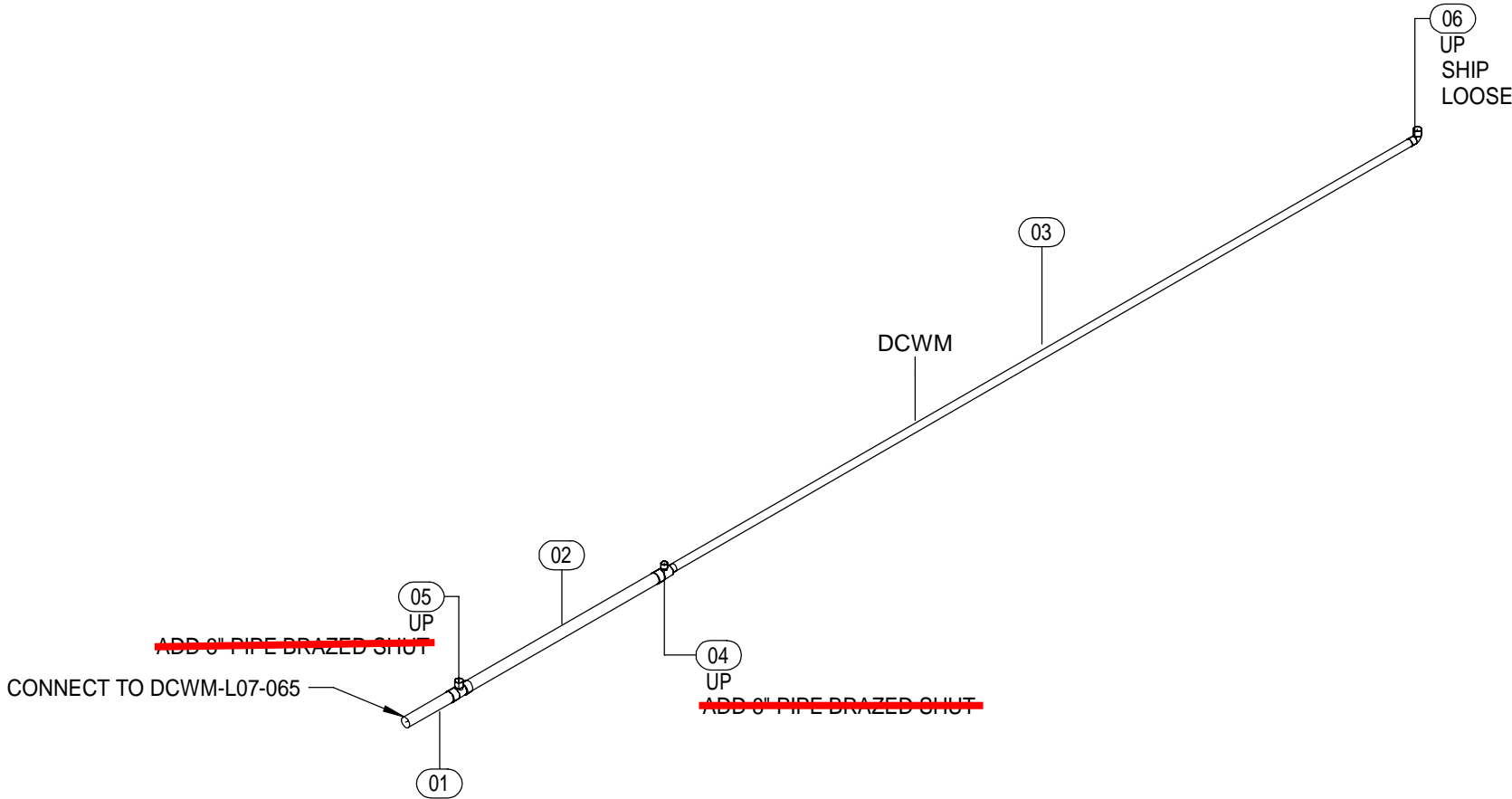
JOB:	WASH U NRB
TICKET:	CO2 -L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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BIM 360://WUSM NRBWUSM_RB_PLF.rvt
19-11-2021 11:14:11

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-9 11/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-2 11/16"				1"
03	1	1"	Cerro Type L Hard Copper Pipe	12'-1 5/8"				1/2"
04	1	1 1/2"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	1 1/2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
06	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1/2"



1 ISOMETRIC

SCALE:

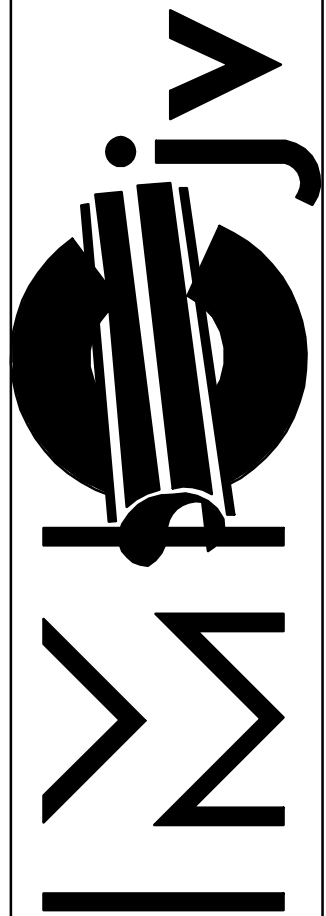


2 RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

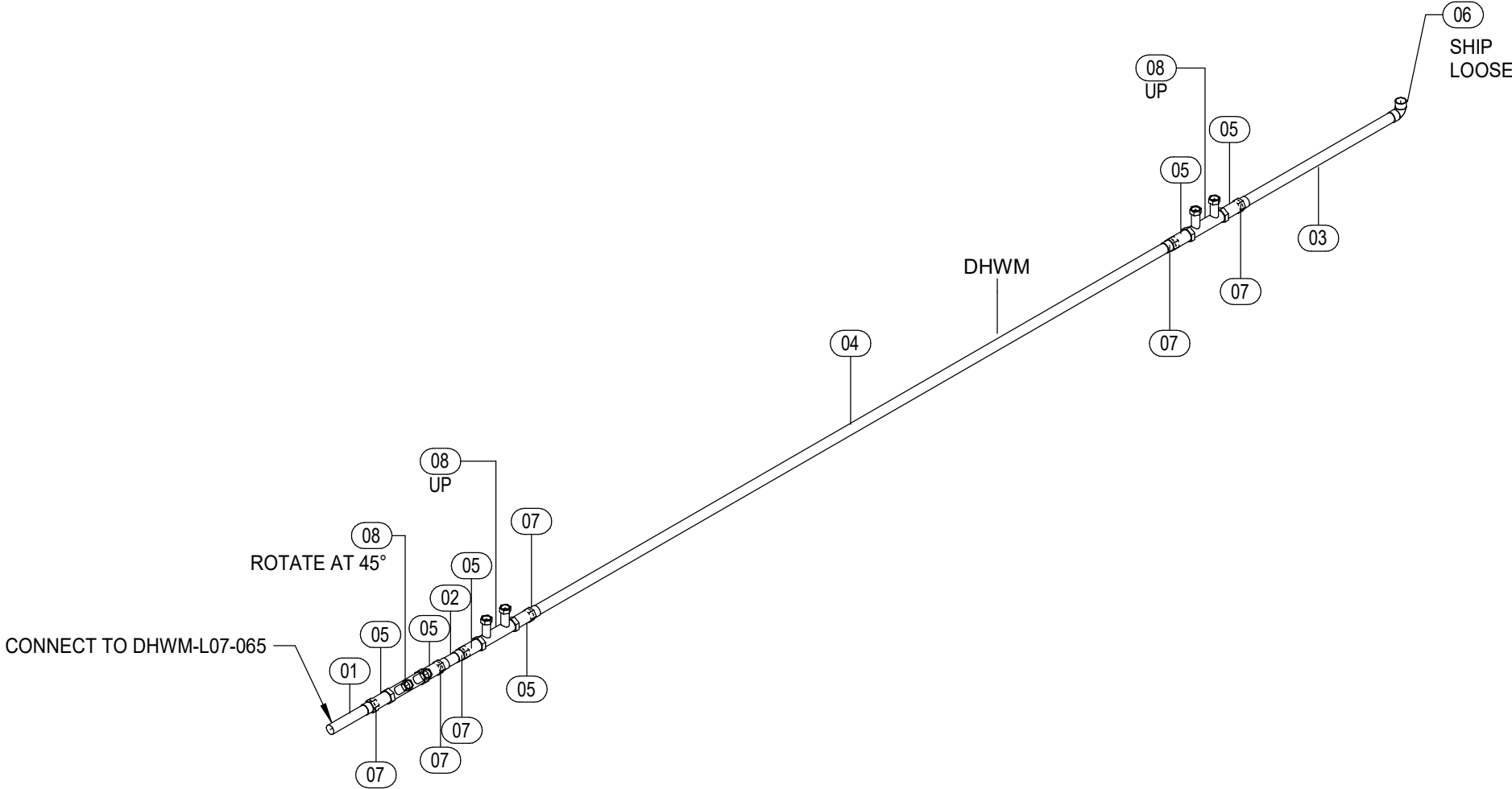
JOB:	WASH U NRB
TICKET:	DCWM-L07-066
Drawn By: Author	
DATE: 11/19/21	DATE REQ:



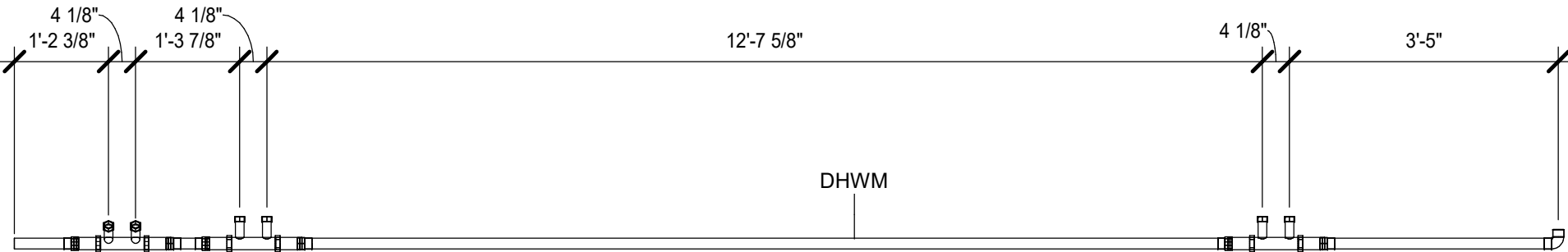
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11/19/2021 11:46:04 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-8 5/8"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-4 3/8"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-10 1/8"				2"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	11'-8 1/8"				2"
05	6	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
06	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					2"
07	6	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
08	3	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



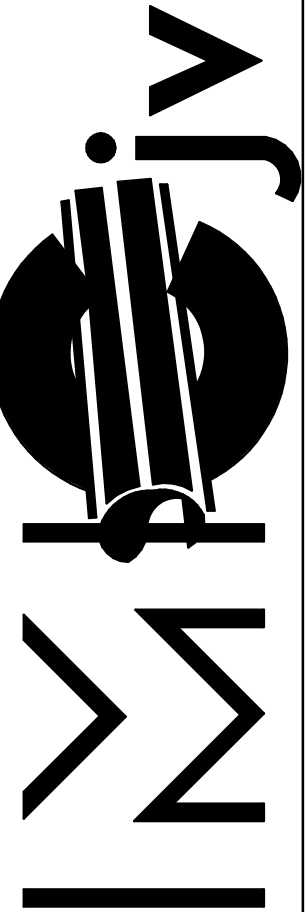
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

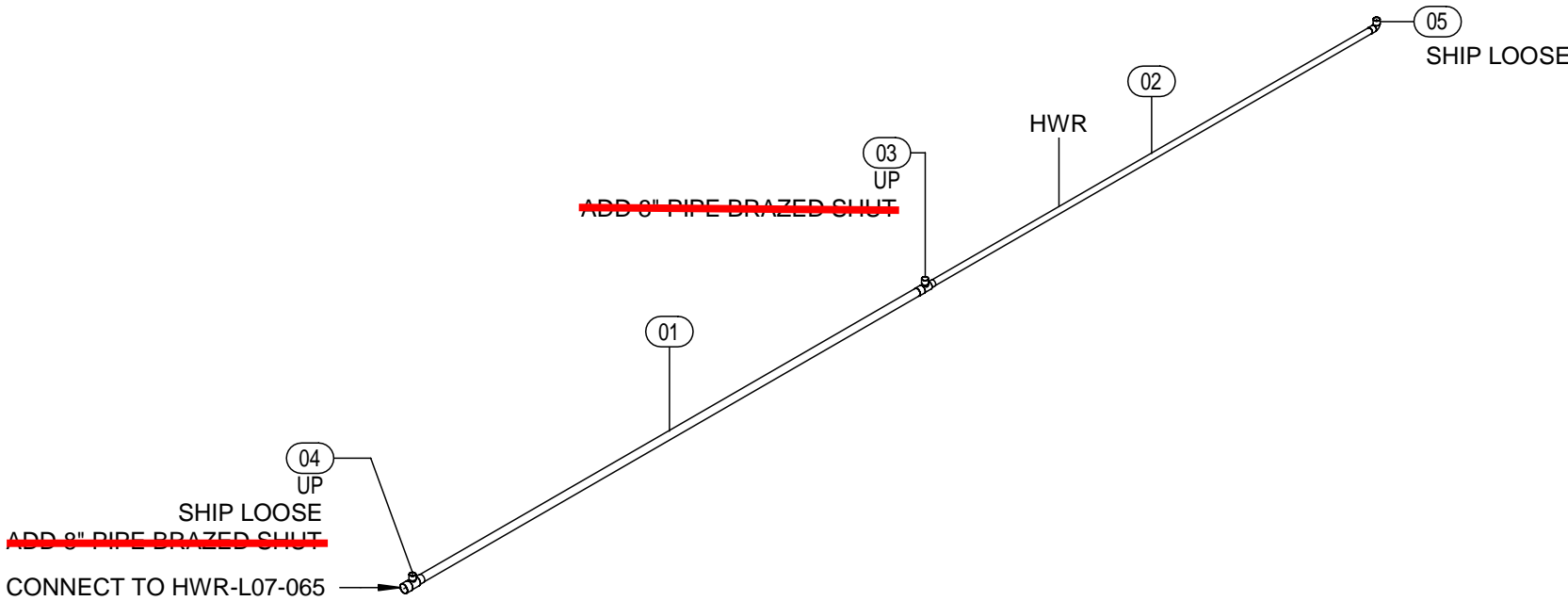
JOB: WASH U NRB	TICKET: DHWM-L07-066	Drawn By: Author	DATE: 11/19/21
DATE REQ:			



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23-11-2021 11:36:05

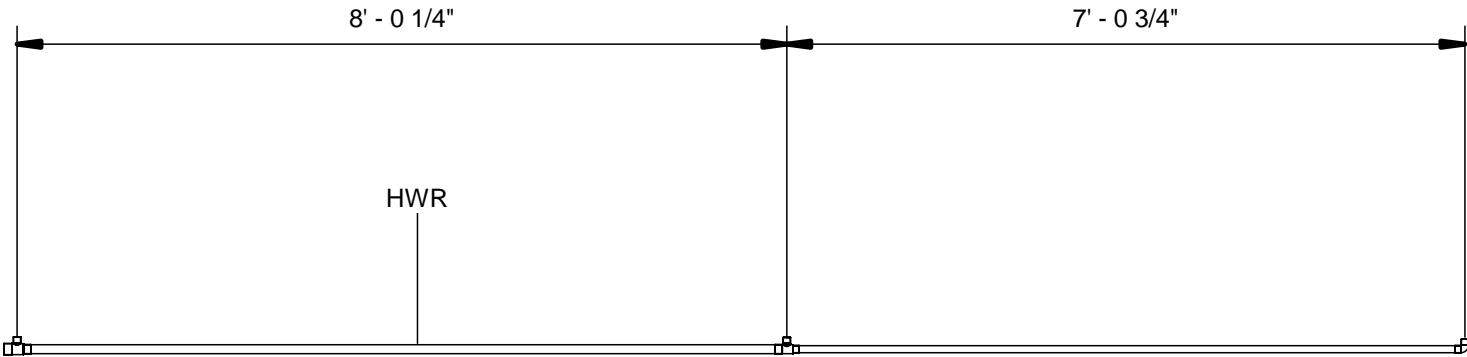
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Cerro Type K Hard Copper Pipe	7'-10 7/8"				1"
02	1	3/4"	Cerro Type K Hard Copper Pipe	6'-11 1/2"				1"
03	1	1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
04	1	1 1/4"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"



1

ISOMETRIC

SCALE:



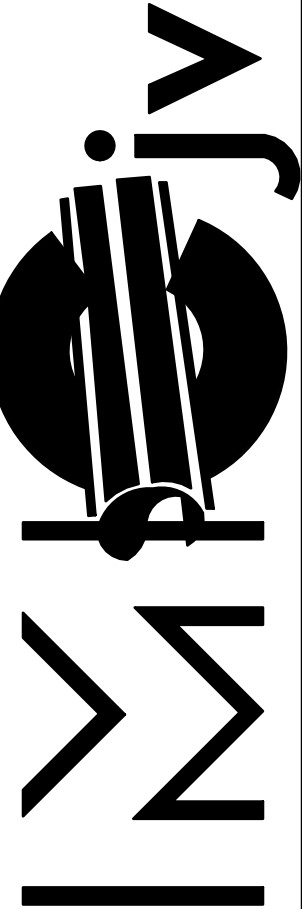
2

RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

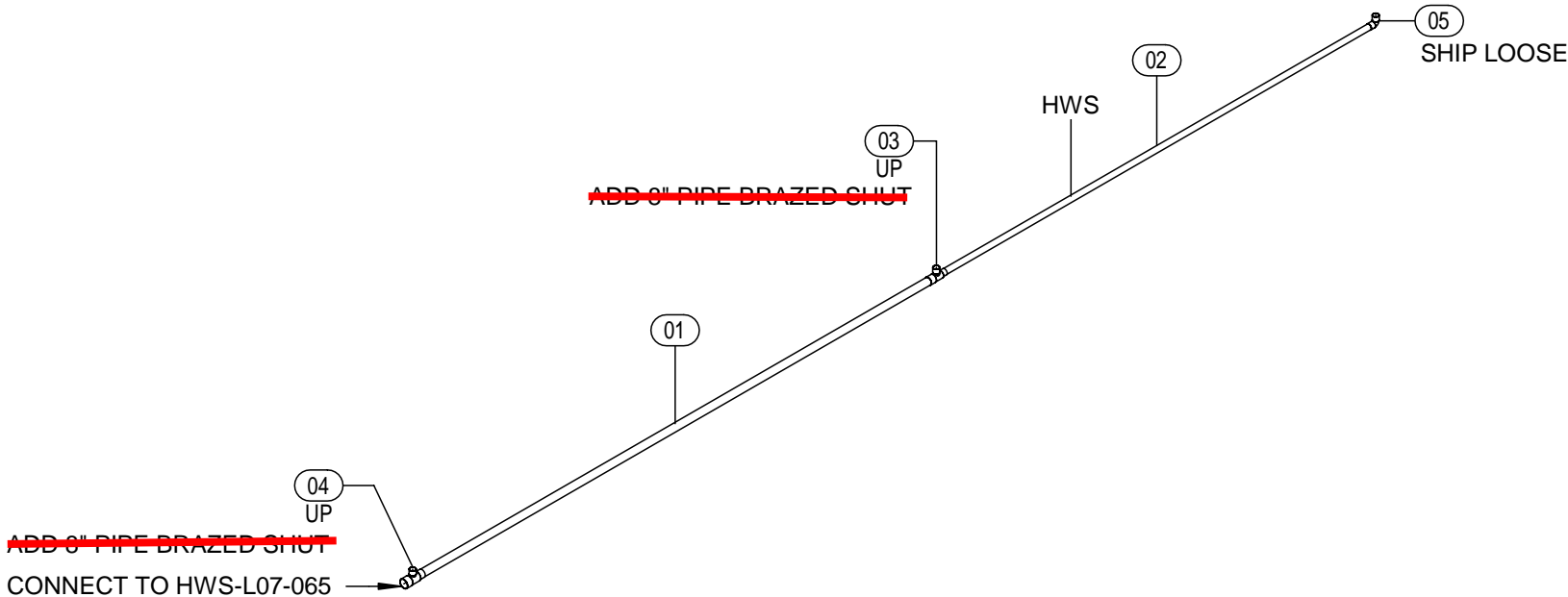
JOB:	WASH U NRB
TICKET:	HWR-L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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23-11-2021 11:34:58

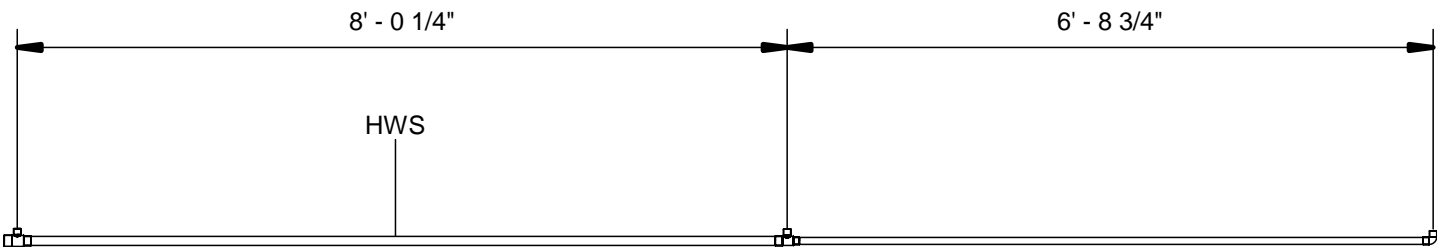
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Cerro Type K Hard Copper Pipe	7'-10 7/8"				1"
02	1	3/4"	Cerro Type K Hard Copper Pipe	6'-7 1/2"				1"
03	1	1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
04	1	1 1/4"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"



1

ISOMETRIC

SCALE: _____



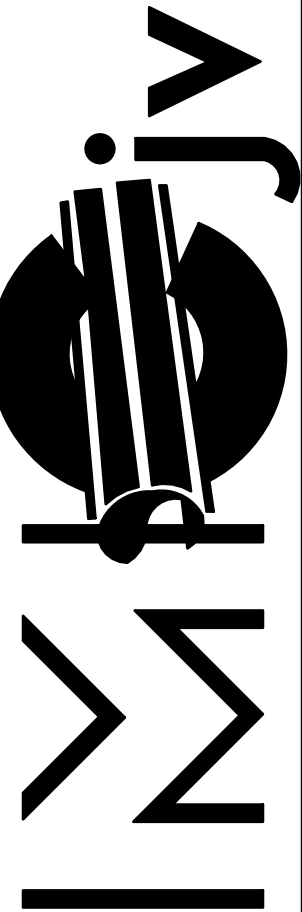
2

RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

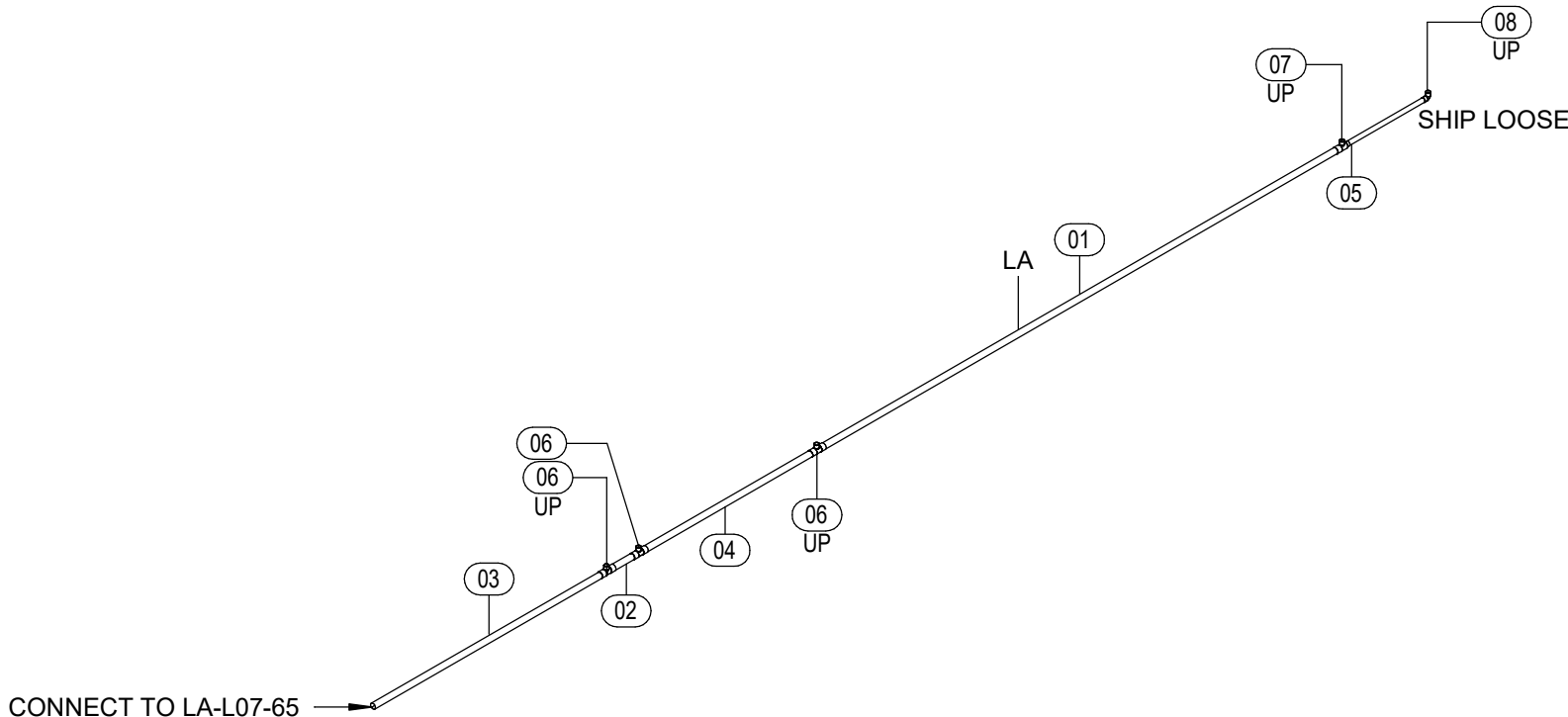
JOB:	WASH U NRB
TICKET:	HWS-L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



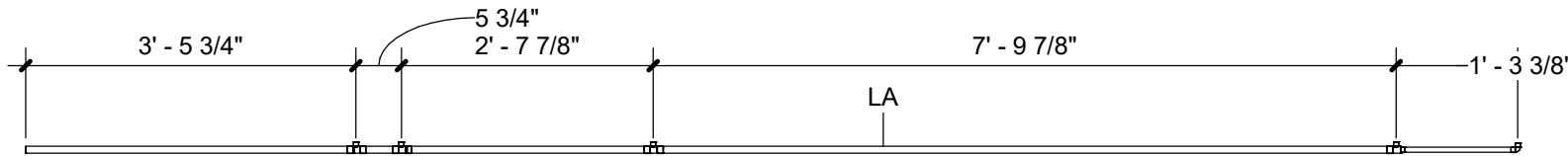
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2/8/2022 1:02:35 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	7'-9"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-6"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-5 1/2"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-7"	
05	1	1/2"	Cerro Type L Hard Copper - CFOS	1'-2 3/8"	
06	3	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	1	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
08	1	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow		



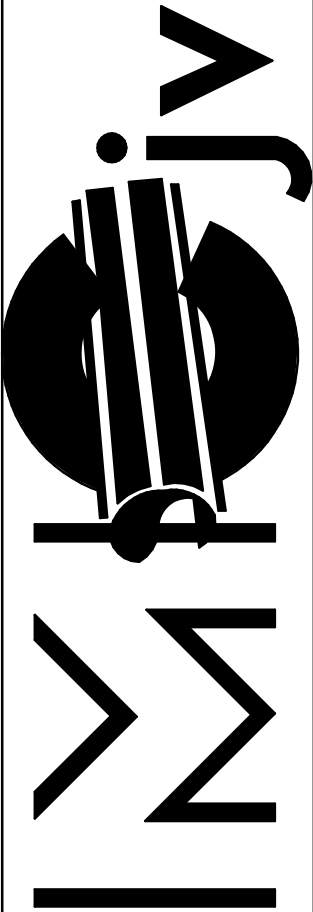
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

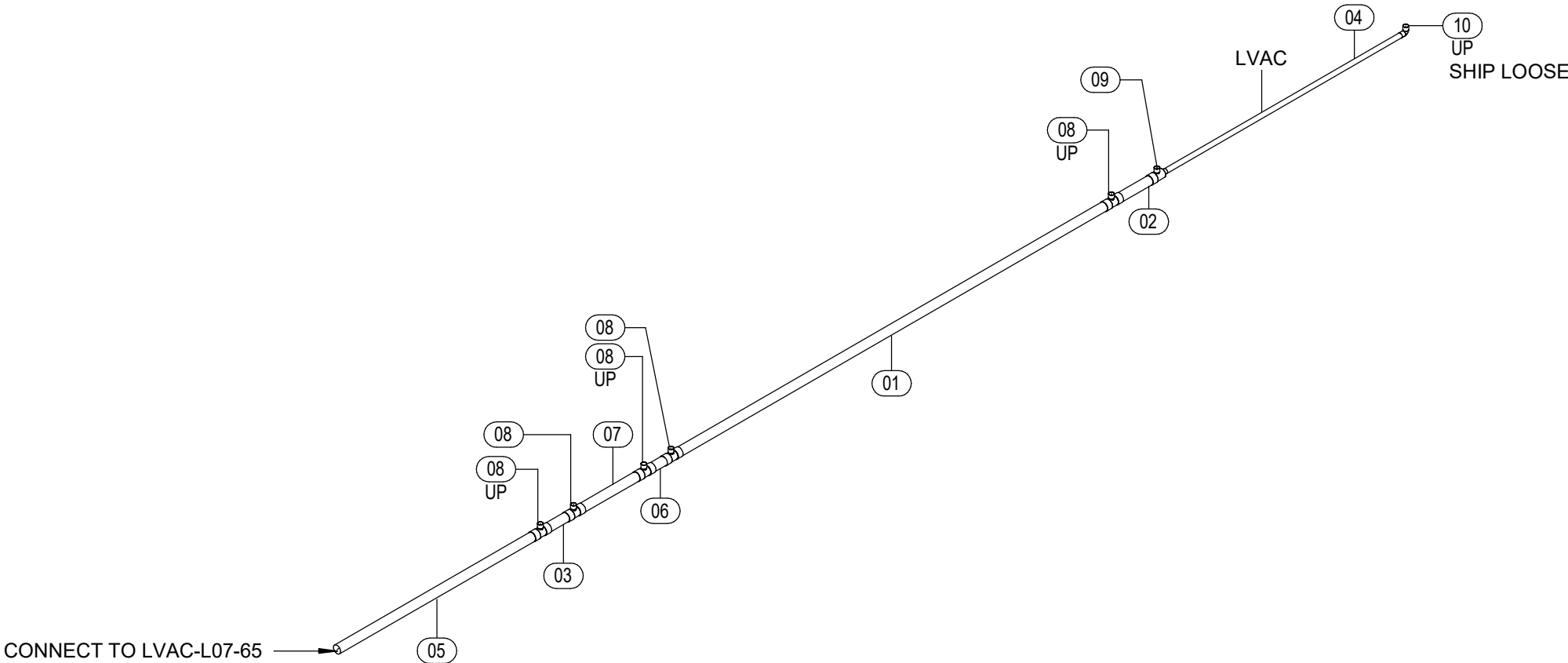
JOB:	WASH U NRB
TICKET:	LA -L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/8/2022 1:02:58 PM

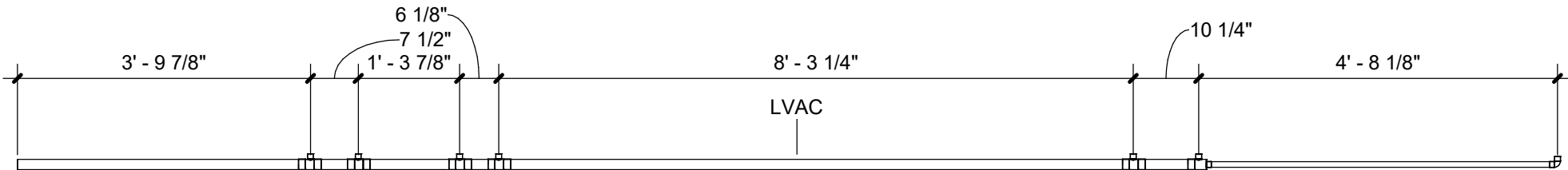
Mark	Qty	Size	Description	Length	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper - CFOS	8'-1 7/8"	
02	1	1 1/2"	Cerro Type L Hard Copper - CFOS	0'-8 7/8"	
03	1	1 1/2"	Cerro Type L Hard Copper - CFOS	0'-6 1/4"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-6 3/8"	
05	1	1 1/2"	Cerro Type L Hard Copper - CFOS	3'-9"	
06	1	1 1/2"	Cerro Type L Hard Copper - CFOS	0'-4 3/4"	
07	1	1 1/2"	Cerro Type L Hard Copper - CFOS	1'-2 1/2"	
08	5	1 1/2"x3/4"x1 1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
09	1	1 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
10	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		



1

ISOMETRIC

SCALE:



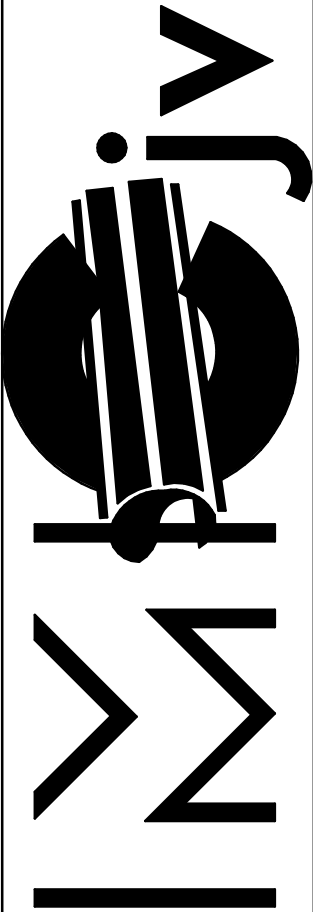
2

RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

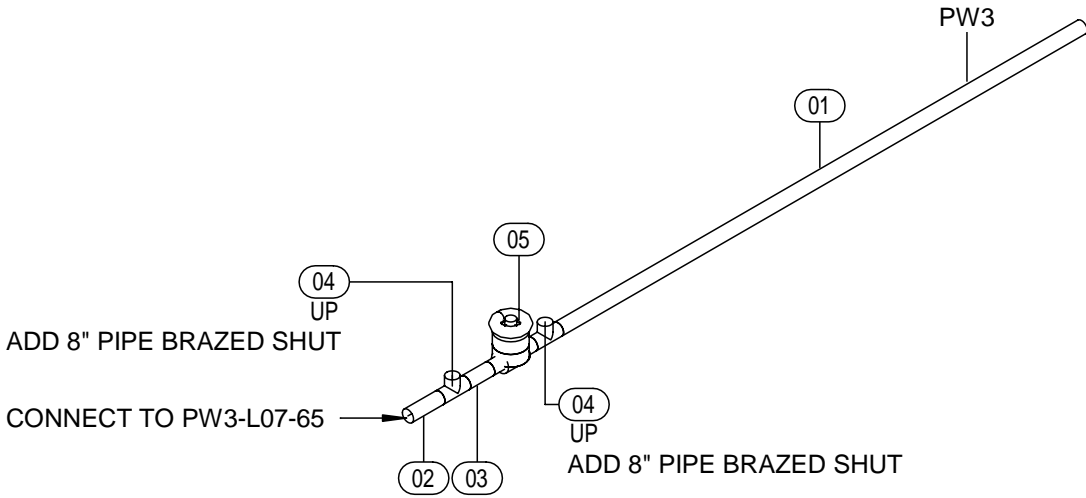
JOB:	WASH U NRB
TICKET:	LVAC -L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_PUF.rvt
23-11-2021 17:25:06

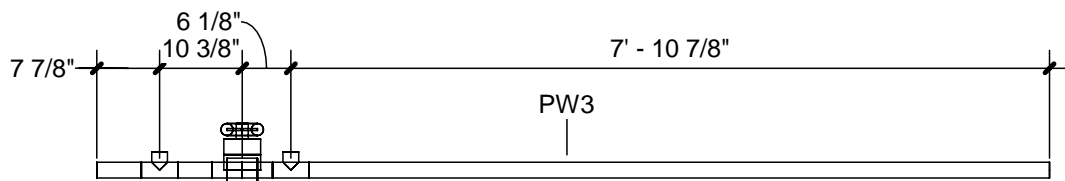
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	7'-8 5/8"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-5 9/16"				
03	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-4 1/4"				
04	2	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
05	1	1 1/2"	George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF					



1

ISOMETRIC

SCALE:



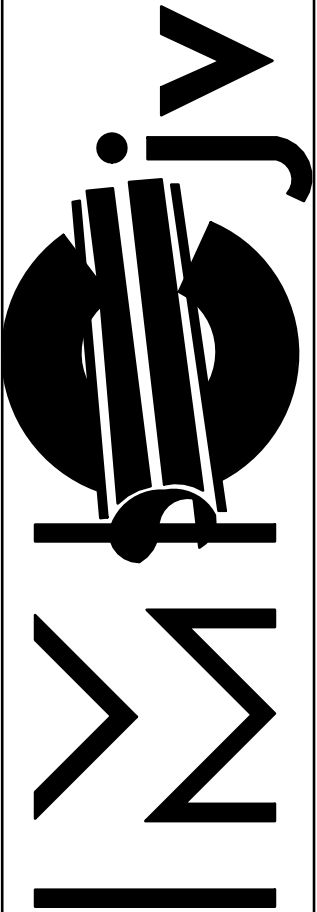
2

RIGHT ELEVATION

SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW3 -L07-066
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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