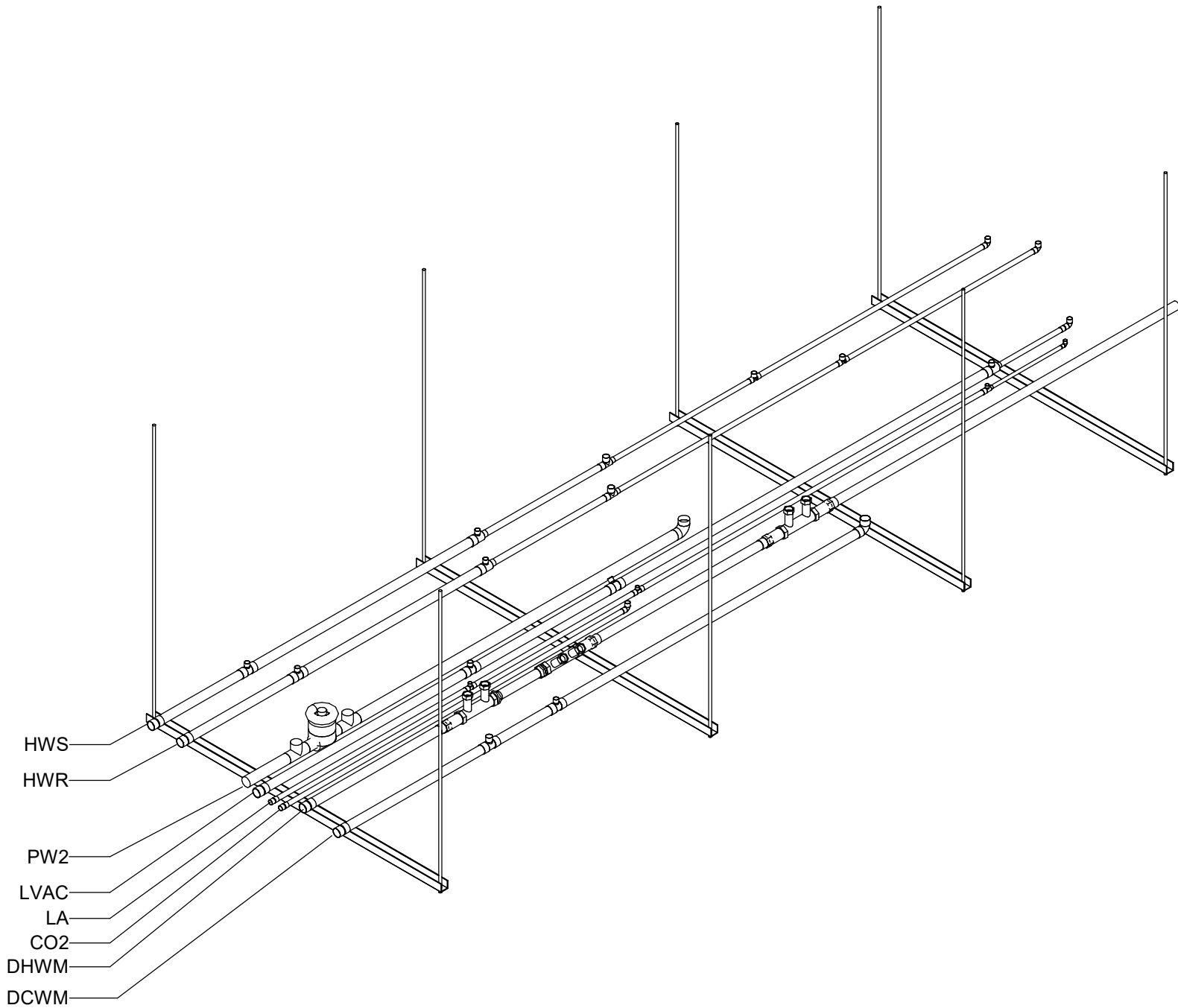
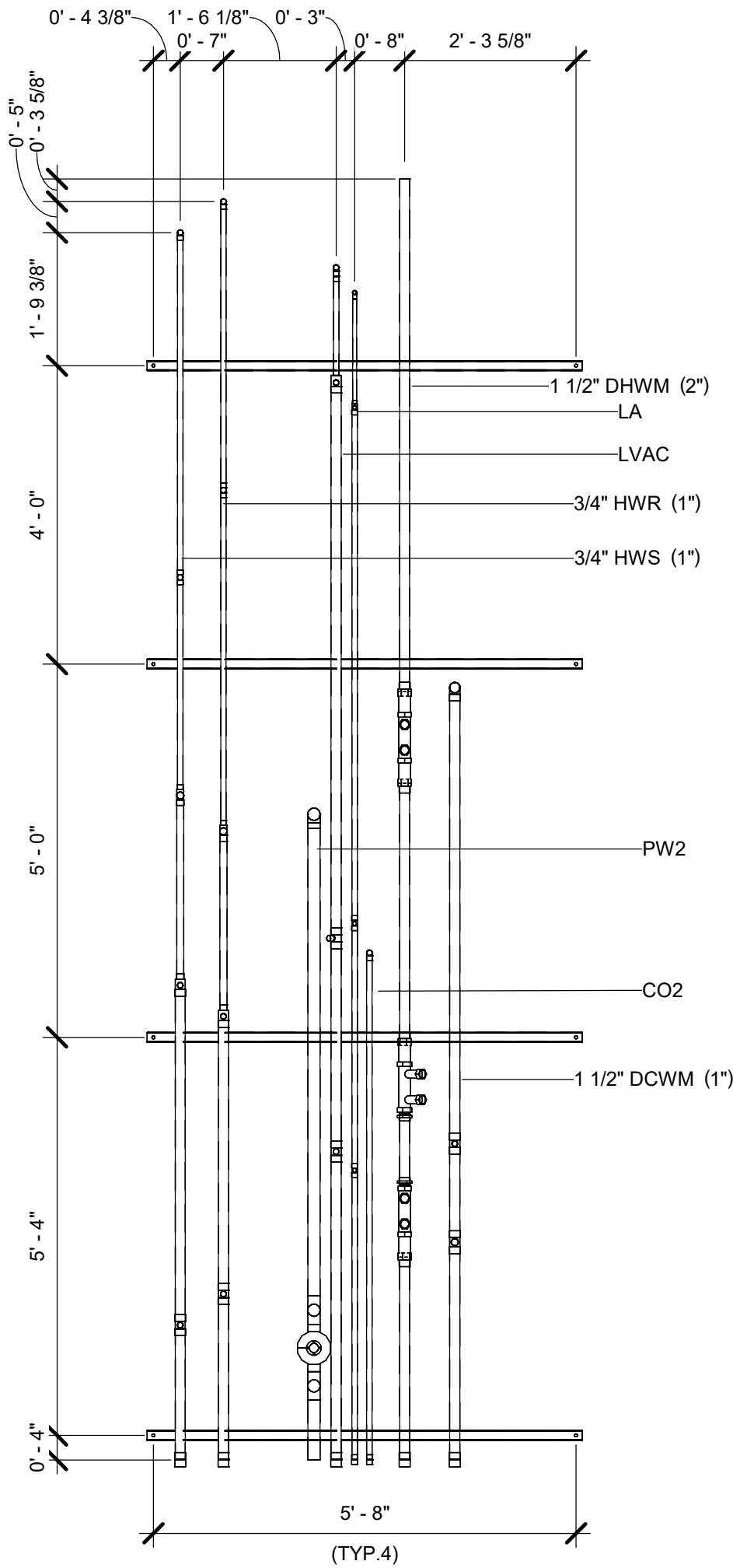


BIM 360//WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
8/12/2021 11:21:30 AM



2 AS-L03-050 - ISOMETRIC
AS-L03-050 SCALE:



1 AS-L03-050
AS-L03-050 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4



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JOB: WASH U NRB

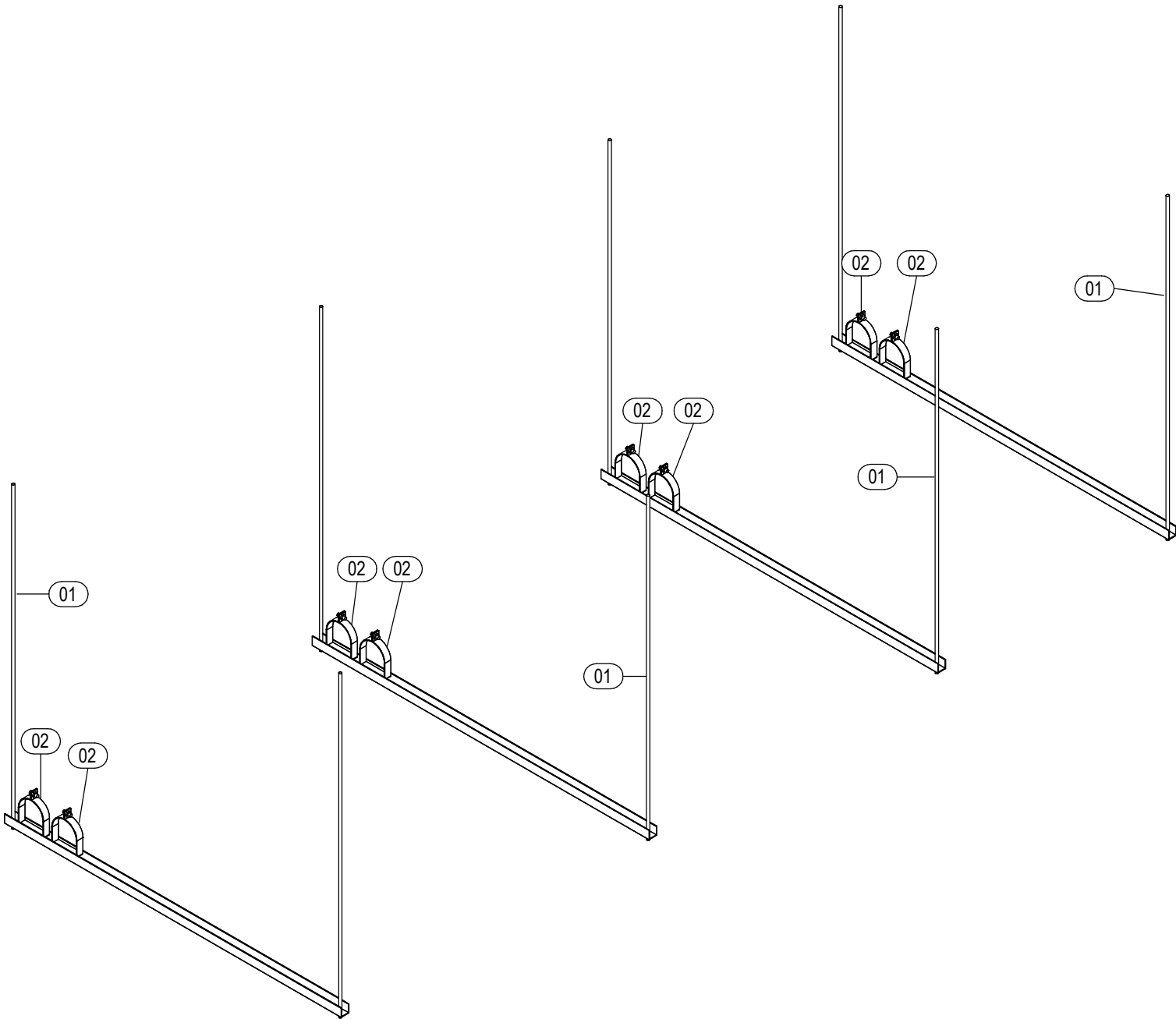
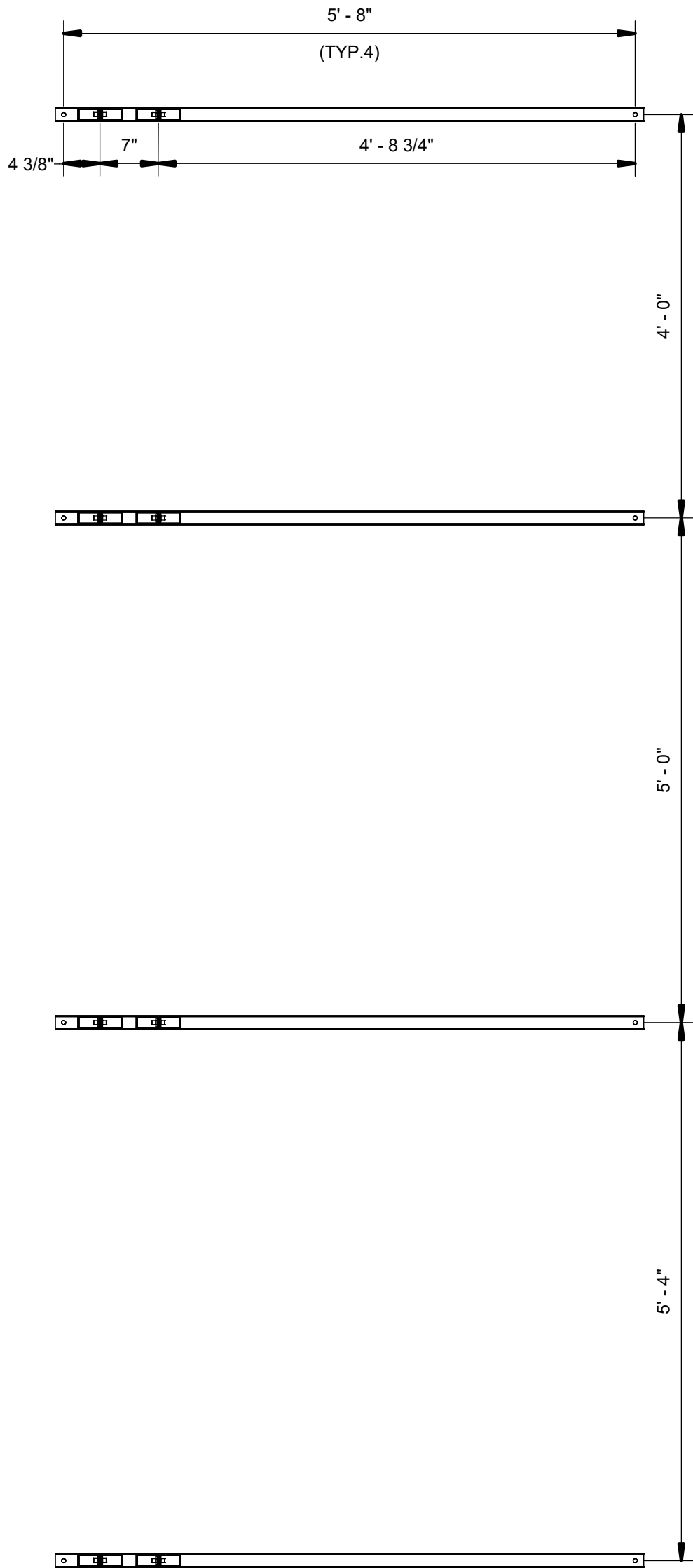
TICKET: AS-L03-050

Drawn By: Author

DATE REQ: 08/09/21

BIM 360//WUSM NRB/WUSM RB HPF.rvt
8/20/2021 1:19:38 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	4	66"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		5" - 10"	5" - 2"	5" - 2"	
02	8	4.5"	B-Line D2000 ZN Schl 40 Pipe Clamp		0"	0"	0"	
02	8	2 7/8"	B-LINE #2014					

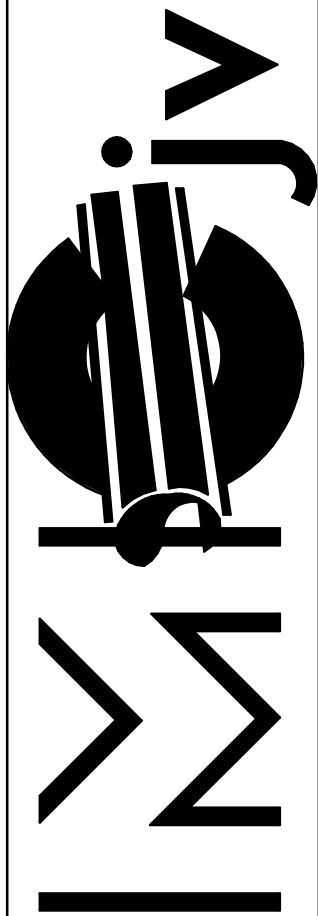


JOB: WASH U NRB

TICKET: HPHGR-L03-050

Drawn By: Author

DATE: 08/11/21 DATE REQ:



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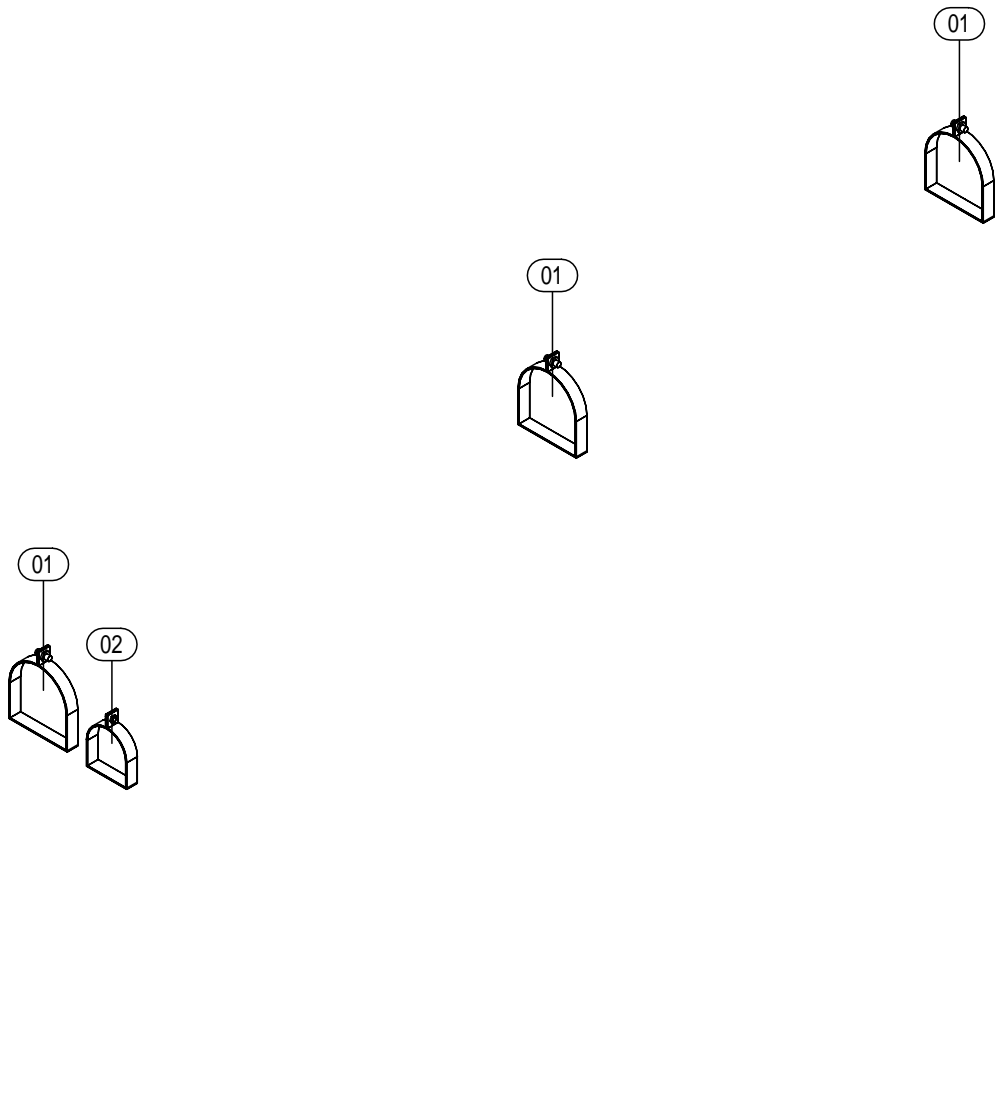
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
12-08-2021 12:10:14

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	4	6"	B-Line-B2000 ZN Csh 40 Pipe Clamp					
02	2	4"	B-Line-B2000 ZN Csh 40 Pipe Clamp					
01	4	5 5/8"	B-LINE #2066					
02	2	3 5/8"	B-LINE #2050					



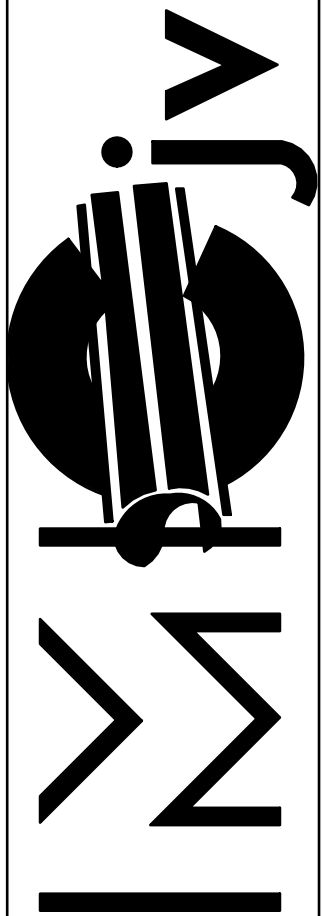
2 TOP VIEW
SCALE: 3/4" = 1'-0"

1 ISOMETRIC
SCALE:



A1	A3	B1	B3
A2	A4	B2	B4

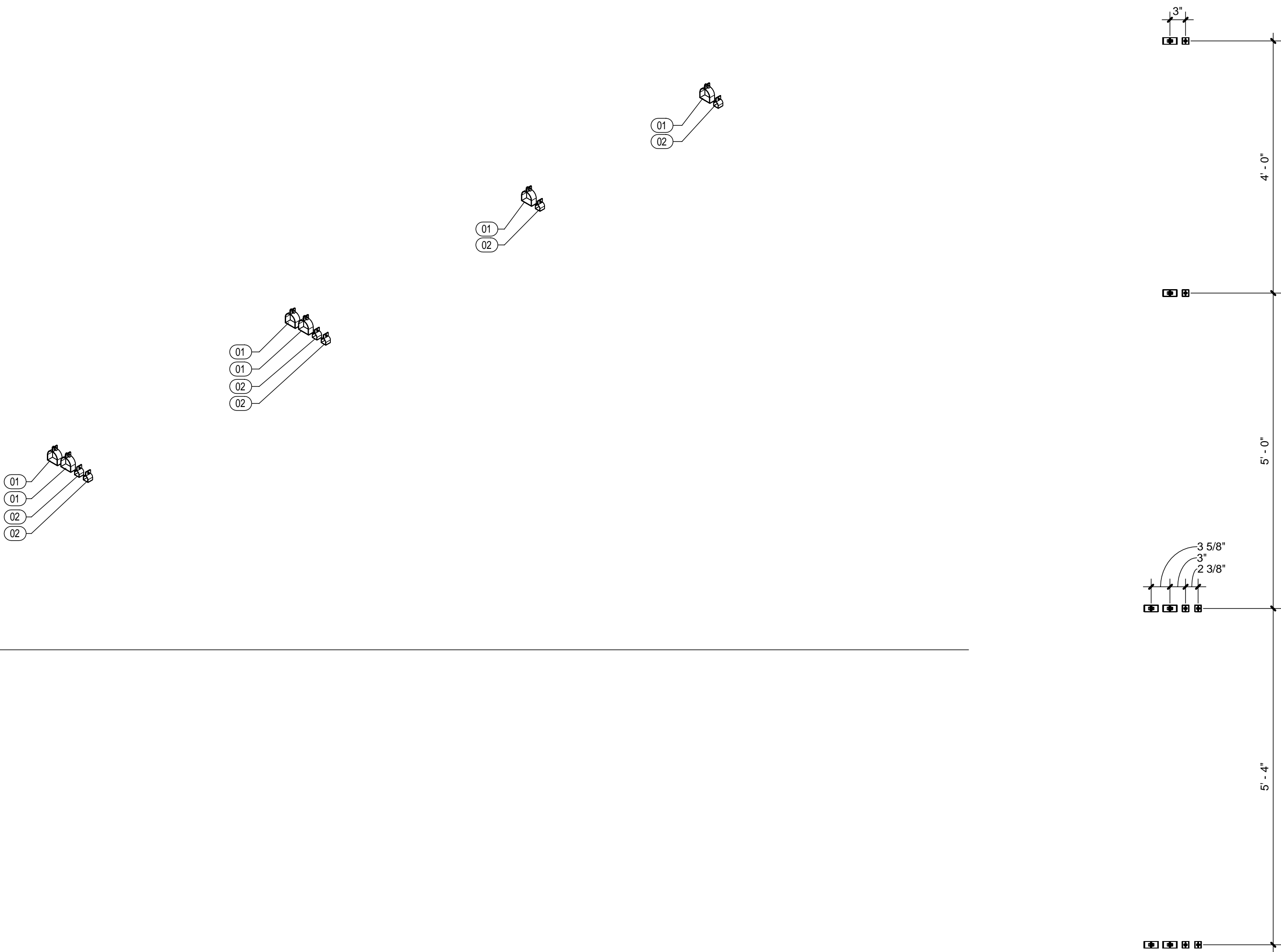
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TICKET:	PPHGR-L03-050
Drawn By: Author	
DATE: 08/12/21	DATE REQ:



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12-08-2021 17:43:01

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	6	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	6	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					

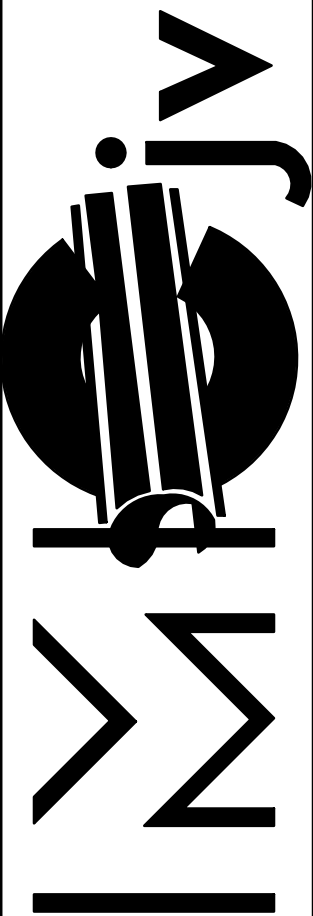


1 ISOMETRIC
SCALE:

2 TOP VIEW
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

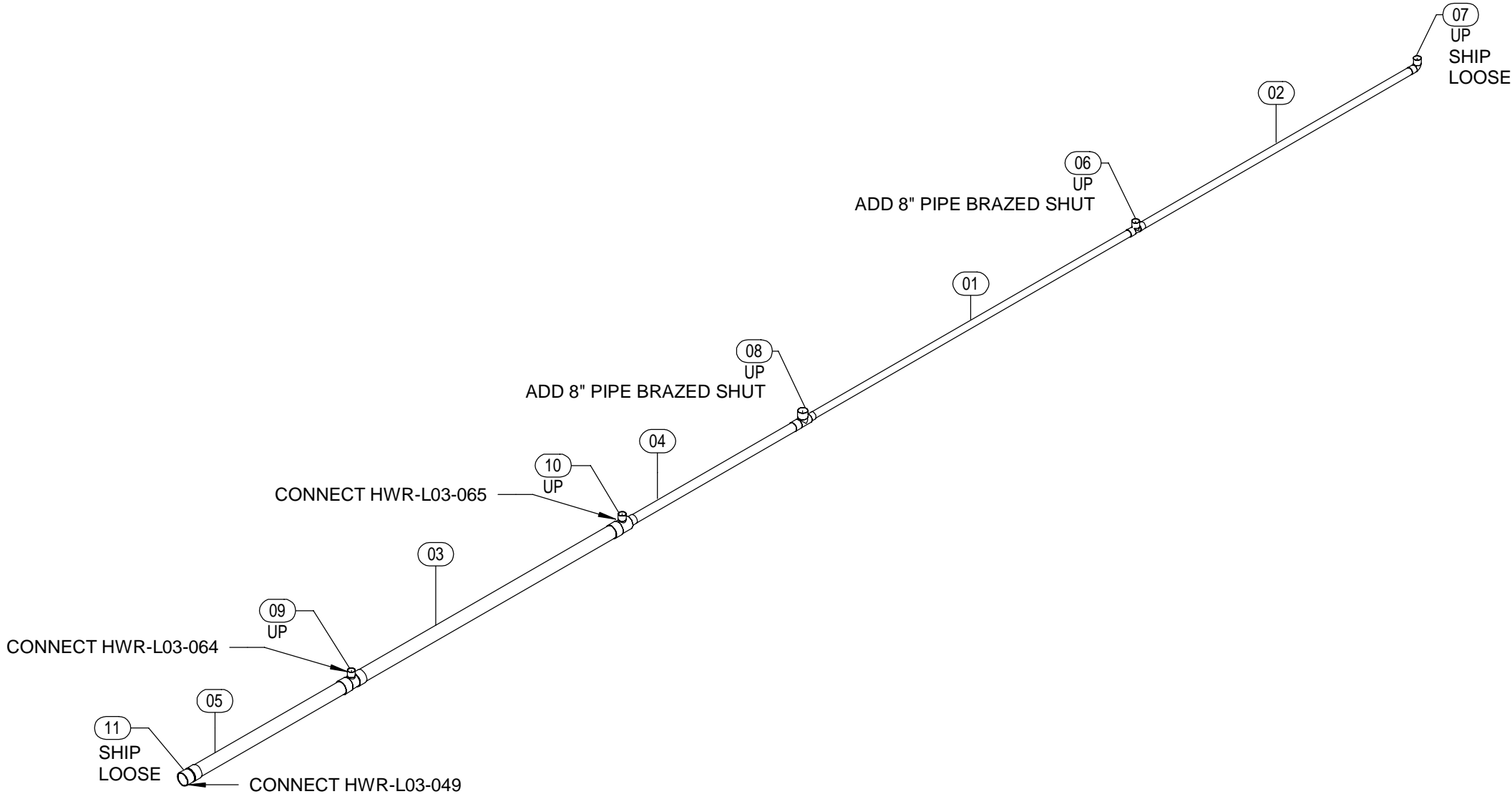
JOB:	WASH U NRB
TICKET:	PUHGR-L03-050
Drawn By: Author	
DATE: 08/13/21	DATE REQ:



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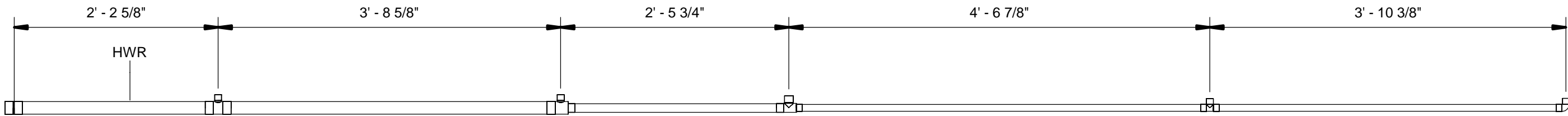
BIM 360//WUSM NRBWUSM_RB_HPE.rvt
04-08-2021 18:27:40

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type K Hard Copper Pipe	4'-5 7/16"				1"
02	1	3/4"	Cerro Type K Hard Copper Pipe	3'-9 7/16"				1"
03	1	1 1/2"	Cerro Type K Hard Copper Pipe	3'-7 3/8"				1 1/2"
04	1	1"	Cerro Type K Hard Copper Pipe	2'-4 1/8"				1"
05	1	1 1/2"	Cerro Type K Hard Copper Pipe	2'-2"				1 1/2"
06	1	3/4"	Nibco Wrot 611 CxCxC Tee					1"
07	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
08	1	1"x3/4"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
09	1	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
10	1	1 1/2"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
11	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



1 ISOMETRIC

SCALE:

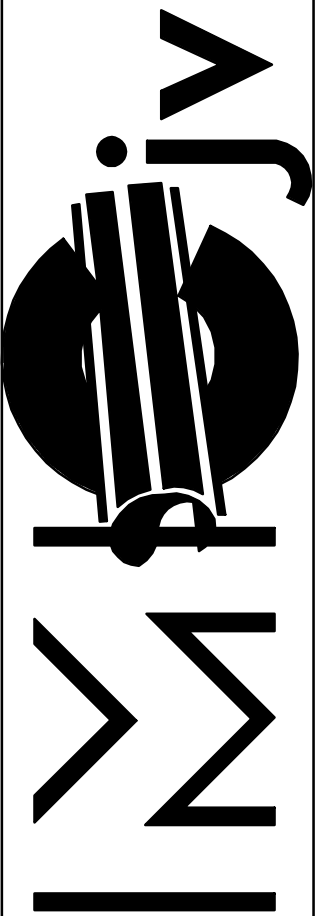


2 RIGHT ELEVATION

SCALE: 1 : 14

A1	A3	B1	B3
A2	A4	B2	B4

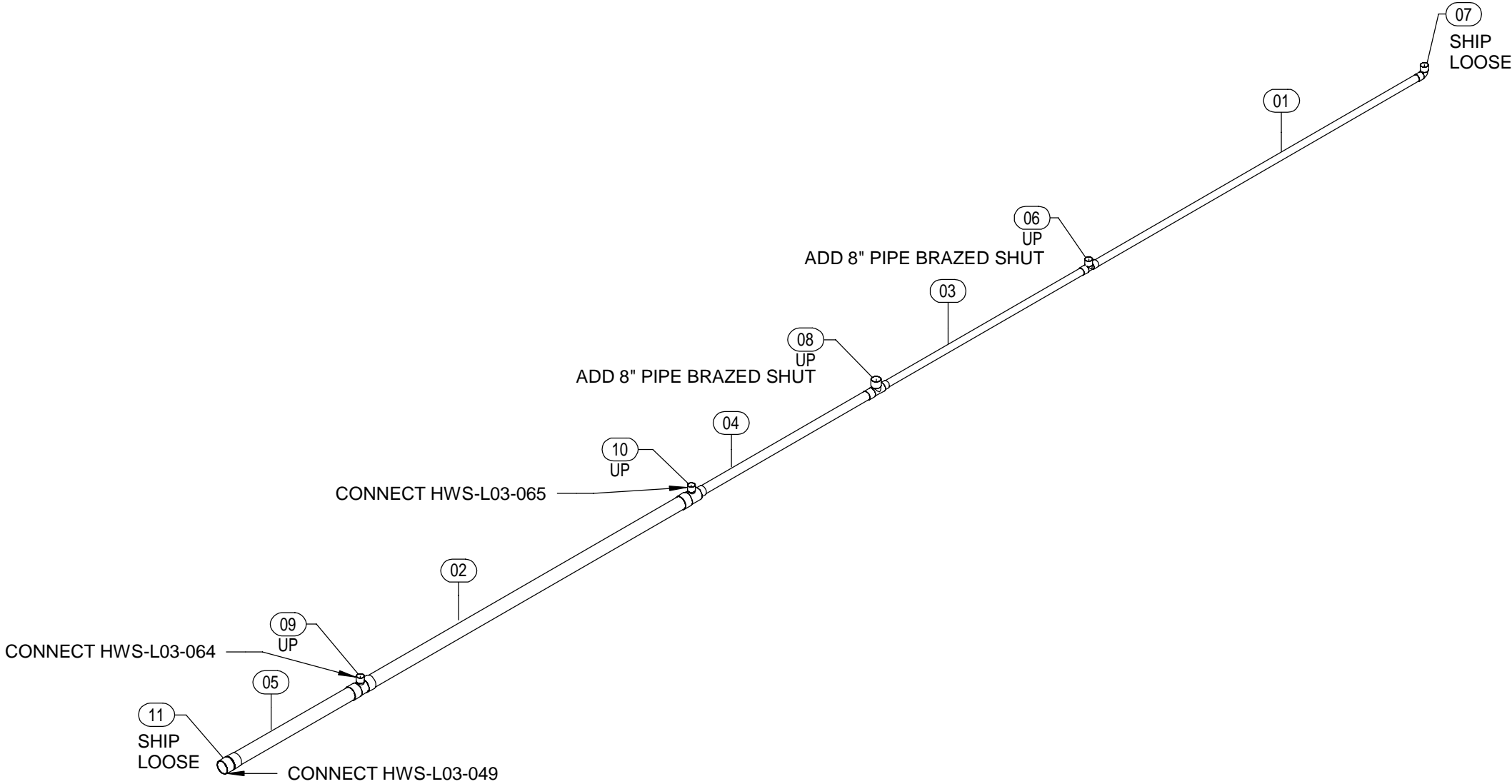
JOB:	WASH U NRB
TICKET:	HWR-L03-050
Drawn By: Author	
DATE: 08/04/21	DATE REQ:



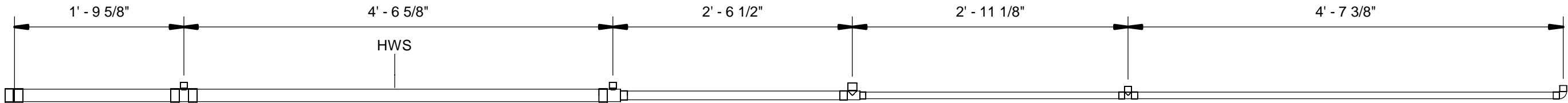
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BIM 360//WUSM NRBWUSM_RB_HPF.rvt
04-08-2021 18:26:02

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type K Hard Copper Pipe	4'-6 1/2"				1"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	4'-5 3/8"				1 1/2"
03	1	3/4"	Cerro Type K Hard Copper Pipe	2'-9 11/16"				1"
04	1	1"	Cerro Type K Hard Copper Pipe	2'-4 13/16"				1"
05	1	1 1/2"	Cerro Type K Hard Copper Pipe	1'-9"				1 1/2"
06	1	3/4"	Nibco Wrot 611 CxCxC Tee					1"
07	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
08	1	1"x3/4"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
09	1	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
10	1	1 1/2"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
11	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



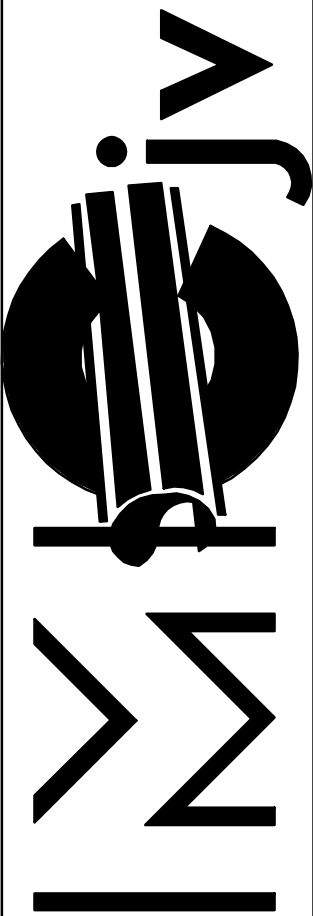
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 1 : 14

A1	A3	B1	B3
A2	A4	B2	B4

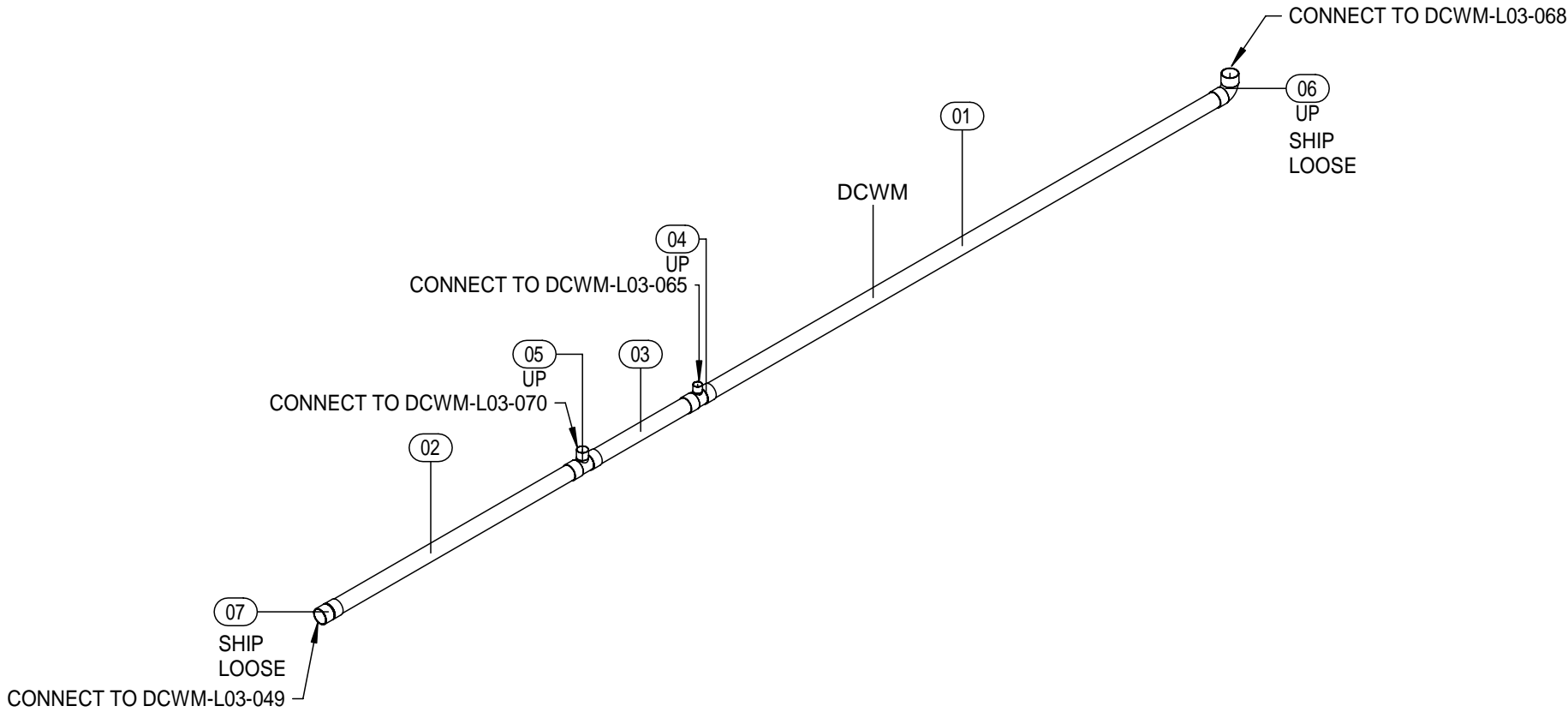
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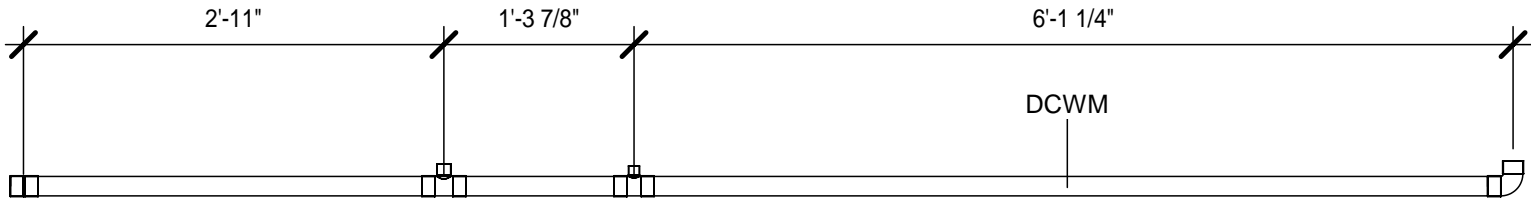
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BIM 360://WUSM NRBWUSM_RB_PLF.rvt
09-08-2021 15:16:31

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	5'-11 11/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-10 3/16"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-2 1/2"				1"
04	1	1 1/2"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 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
07	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



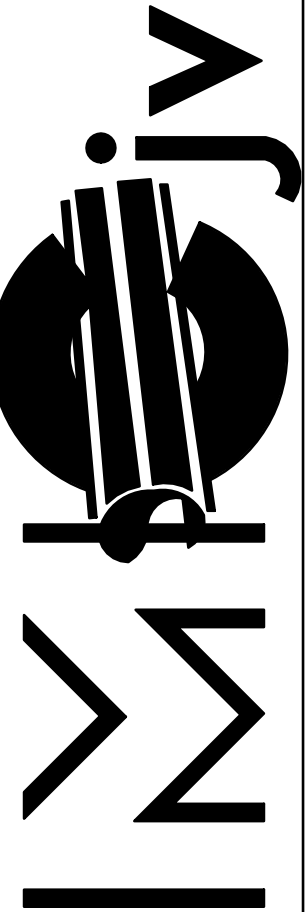
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

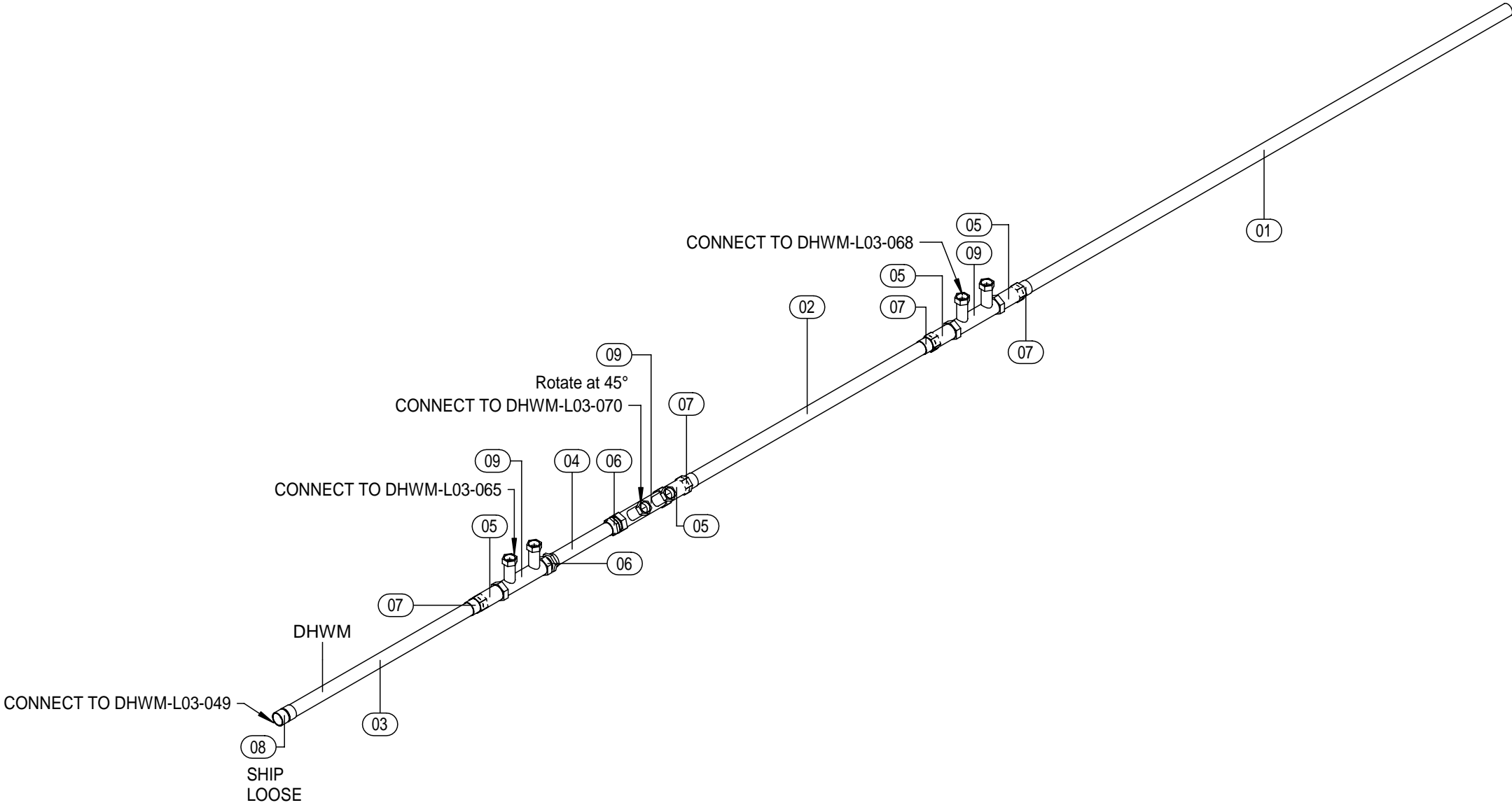
JOB: WASH U NRB	TICKET: DCWM-L03-050	Drawn By: Author	DATE REQ: 08/09/21
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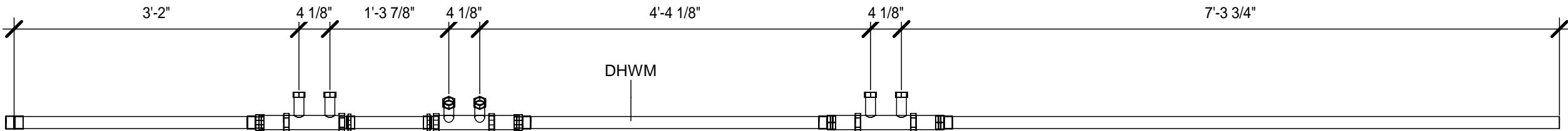
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BIM 360://WUSM NRBWUSM_RB_PLF.rvt
09-08-2021 16:07:06

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	6'-10"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-4 5/8"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-8 1/16"				2"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-11 5/16"				2"
05	4	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
06	2	1 1/2"	Nibco Wrot 604 Adapter CxM					2"
07	4	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
08	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					2"
09	3	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



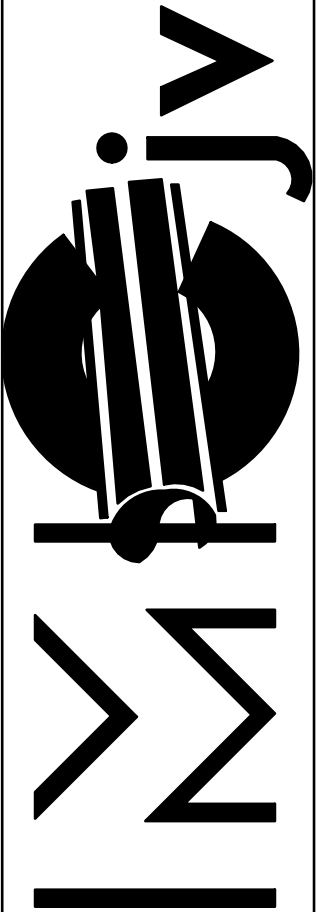
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

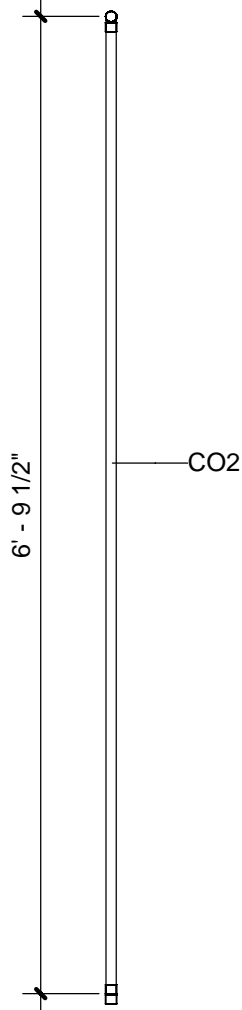
JOB: WASH U NRB	TICKET: DHWM-L03-050	Drawn By: Author	DATE: 08/09/21
			DATE REQ:



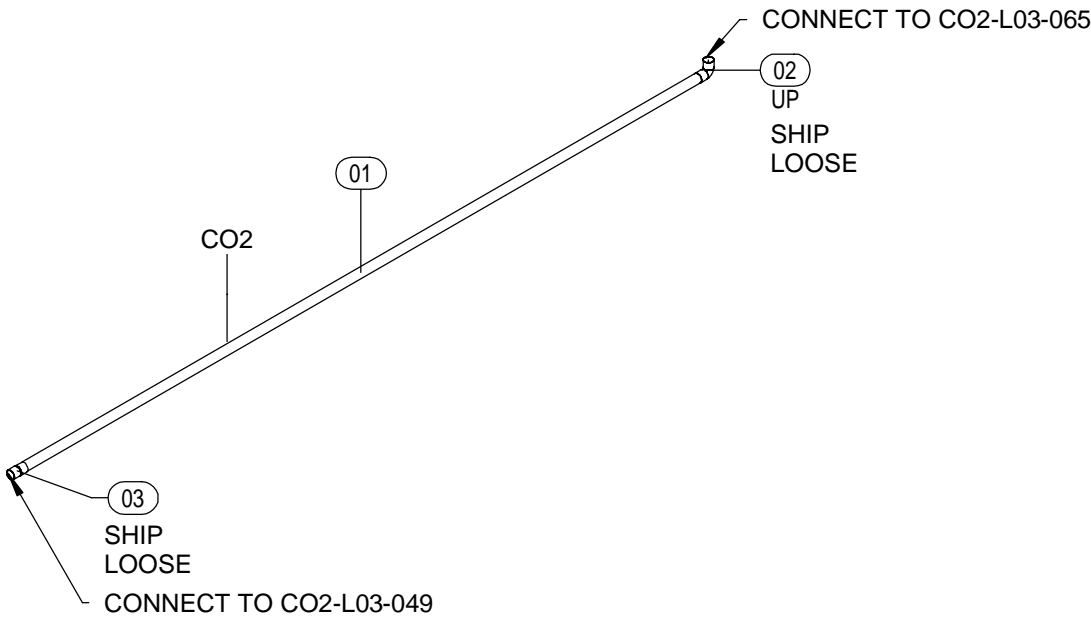
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BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
13-08-2021 16:02:42

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	6'-8 15/16"				
02	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
03	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



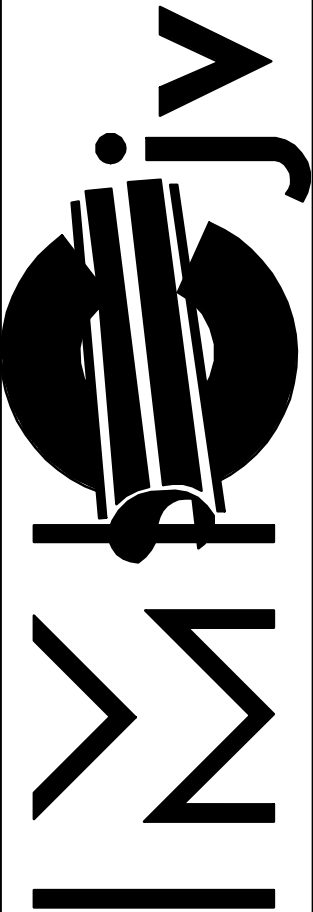
2 TOP VIEW
SCALE: 3/4" = 1'-0"



1 ISOMETRIC
SCALE:

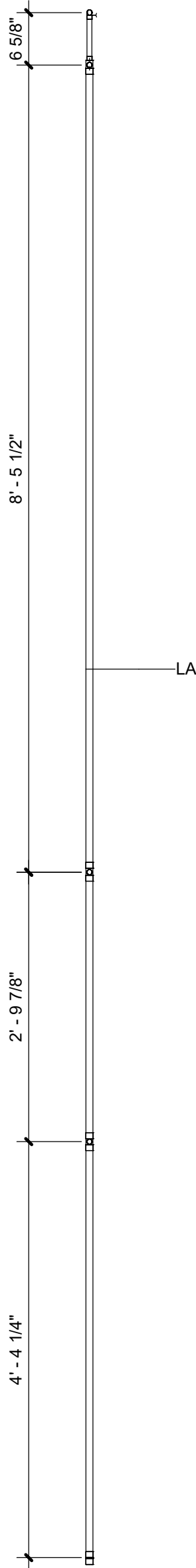
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: CO2-L03-050
Drawn By: Author
DATE: 08/13/21
DATE REQ:

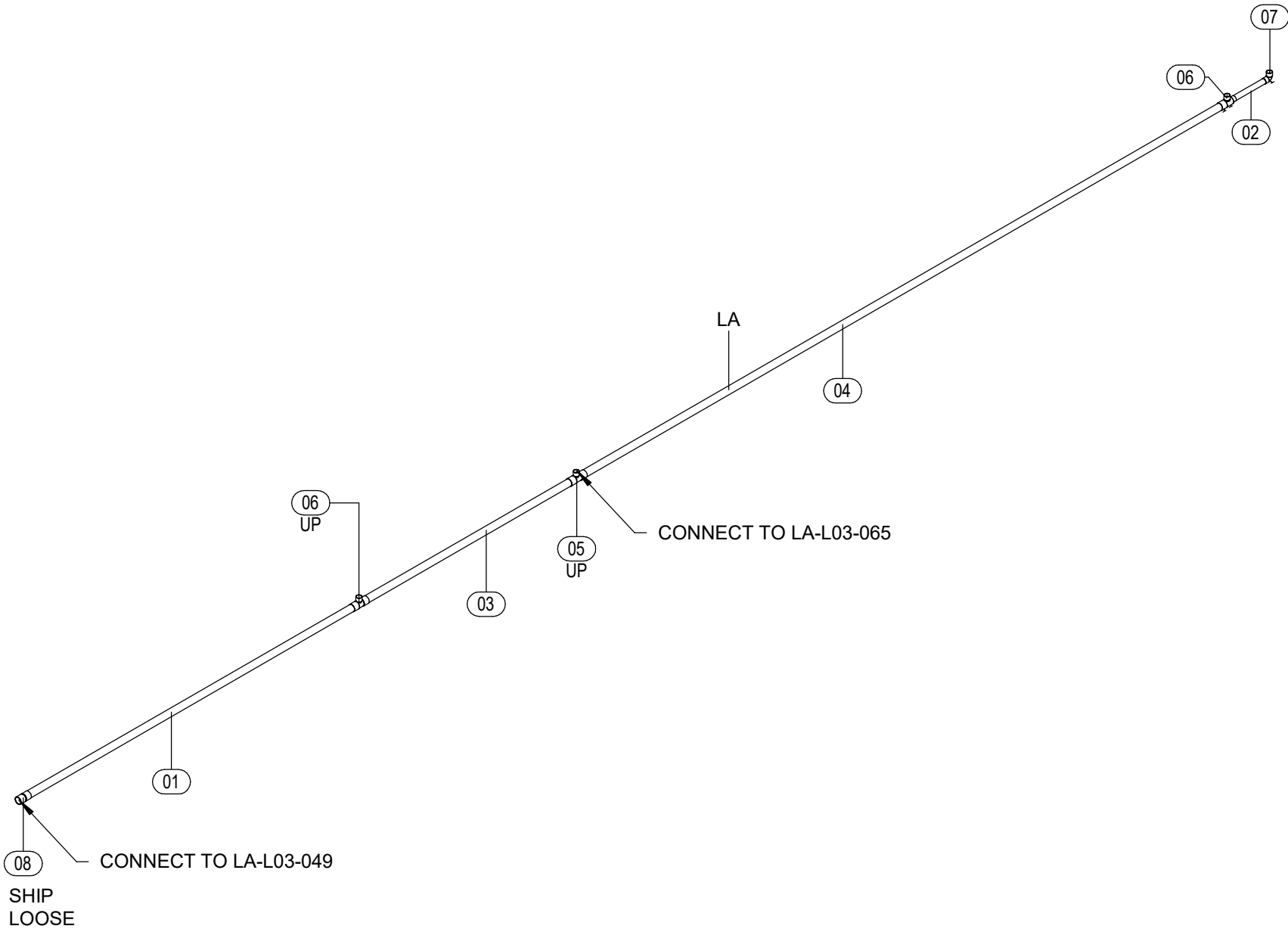


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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
1/11/2022 8:36:01 AM



Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-3 7/8"	
02	1	1/2"	Cerro Type L Hard Copper - CFOS	0'-5 5/8"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-9 1/8"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	8'-4 1/2"	
05	1	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
06	2	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	1	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow		
08	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		

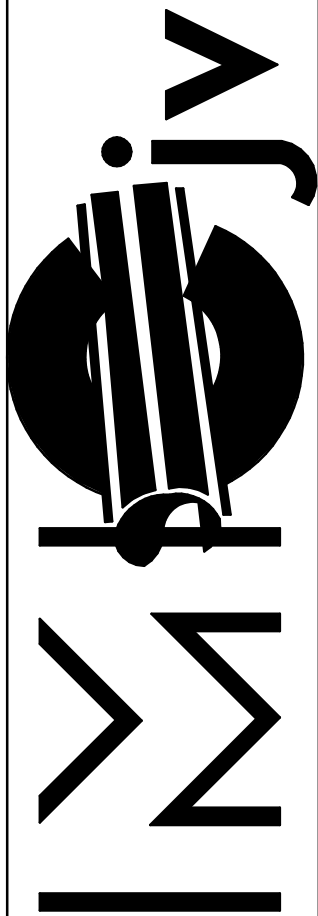


1 ISOMETRIC
SCALE:

2 TOP VIEW
SCALE: 3/4" = 1'-0"

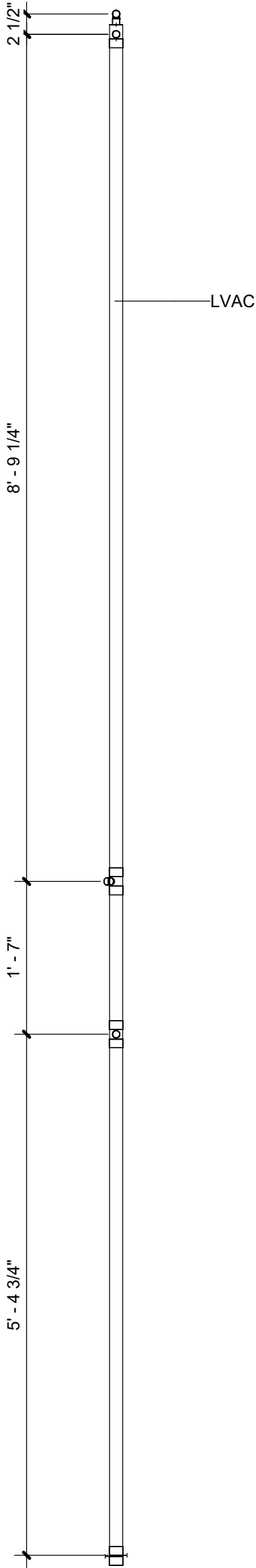
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: LA-L03-050
Drawn By: Author
DATE: 08/13/21
DATE REQ:

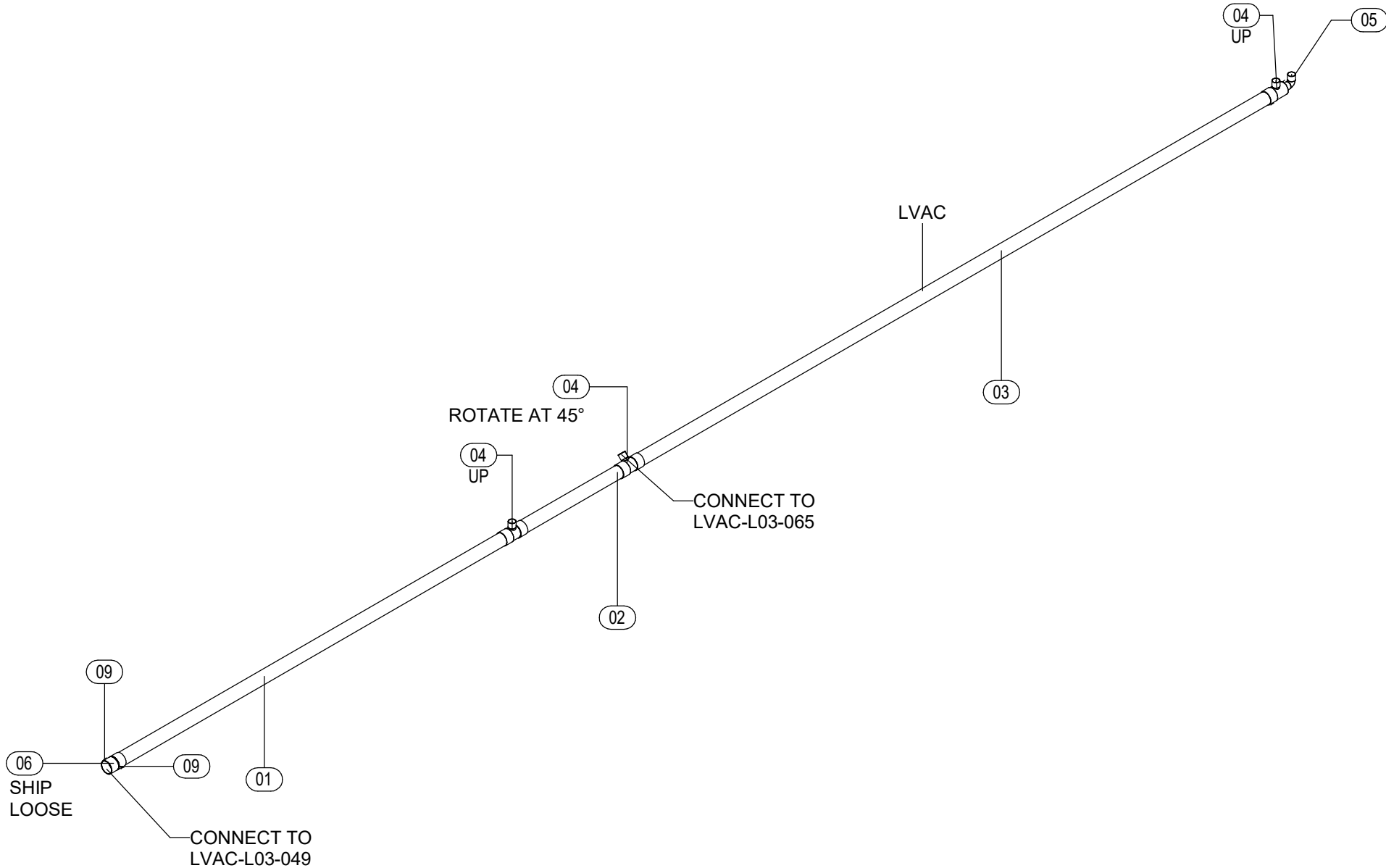


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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
1/11/2022 8:36:17 AM



Mark	Qty	Size	Description	Length	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper - CFOS	5'-4 1/8"	
02	1	1 1/2"	Cerro Type L Hard Copper - CFOS	1'-5 3/4"	
03	1	1 1/2"	Cerro Type L Hard Copper - CFOS	8'-8 1/8"	
04	3	1 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
05	1	3/4"	Nibco 607-2-CB CFOS Wrot Copper 90 Elbow Street		
06	1	1 1/2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		



1 ISOMETRIC
SCALE:

2 TOP VIEW
SCALE: 3/4" = 1'-0"

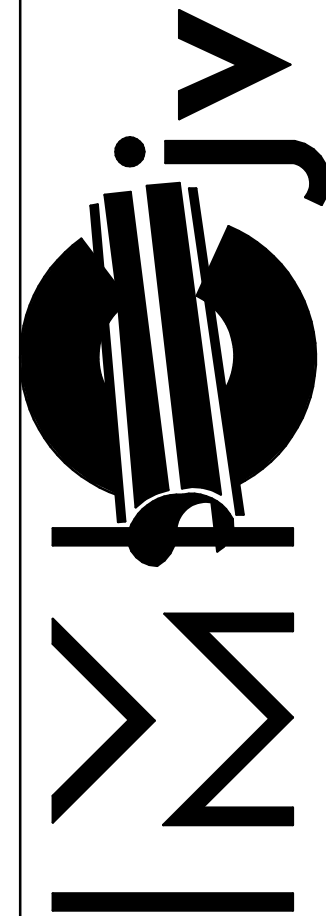
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: LVAC-L03-050

Drawn By: Author

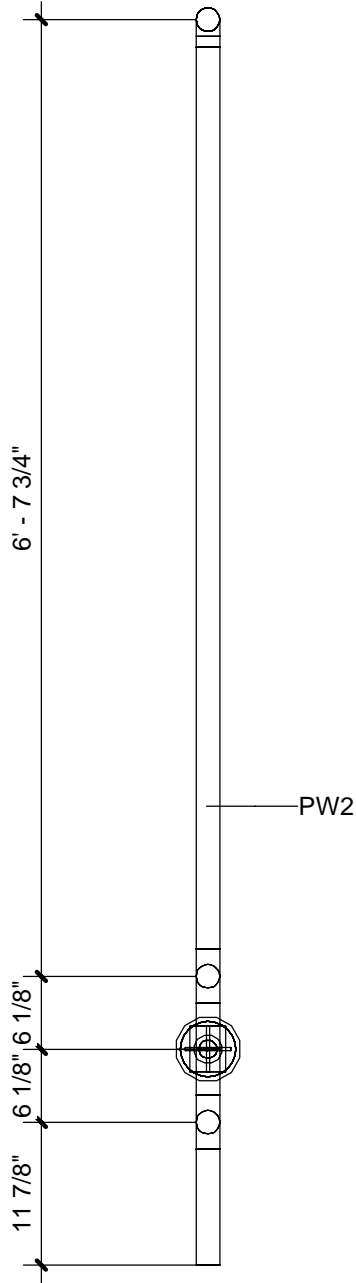
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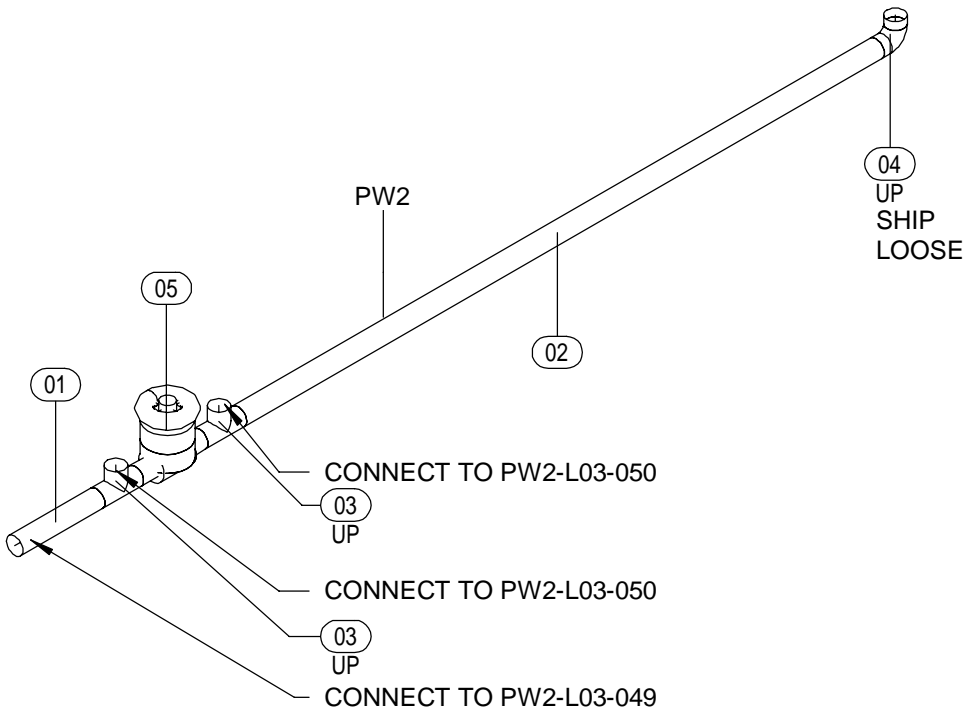
1233 N. Price Rd.
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BIM 360/WUSM NRBWUSM_RB_PUF.rvt
13-08-2021 16:21:14

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-9 5/8"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	6'-3 3/16"				
03	2	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
04	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow					
05	1	1 1/2"	George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF					



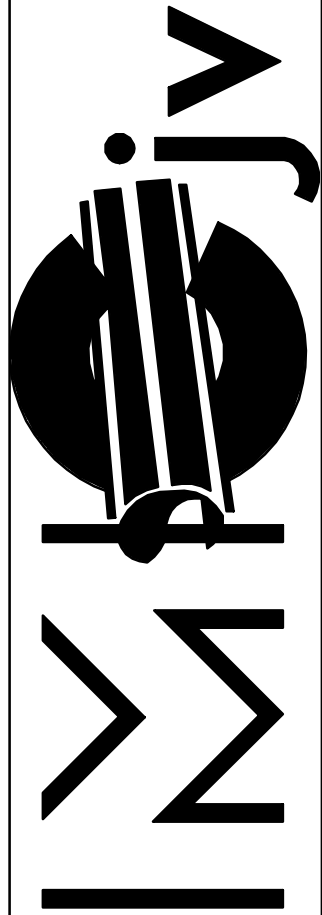
2 TOP VIEW
SCALE: 3/4" = 1'-0"



1 ISOMETRIC
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: PW2-L03-050
Drawn By: Author
DATE: 08/13/21 DATE REQ:



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