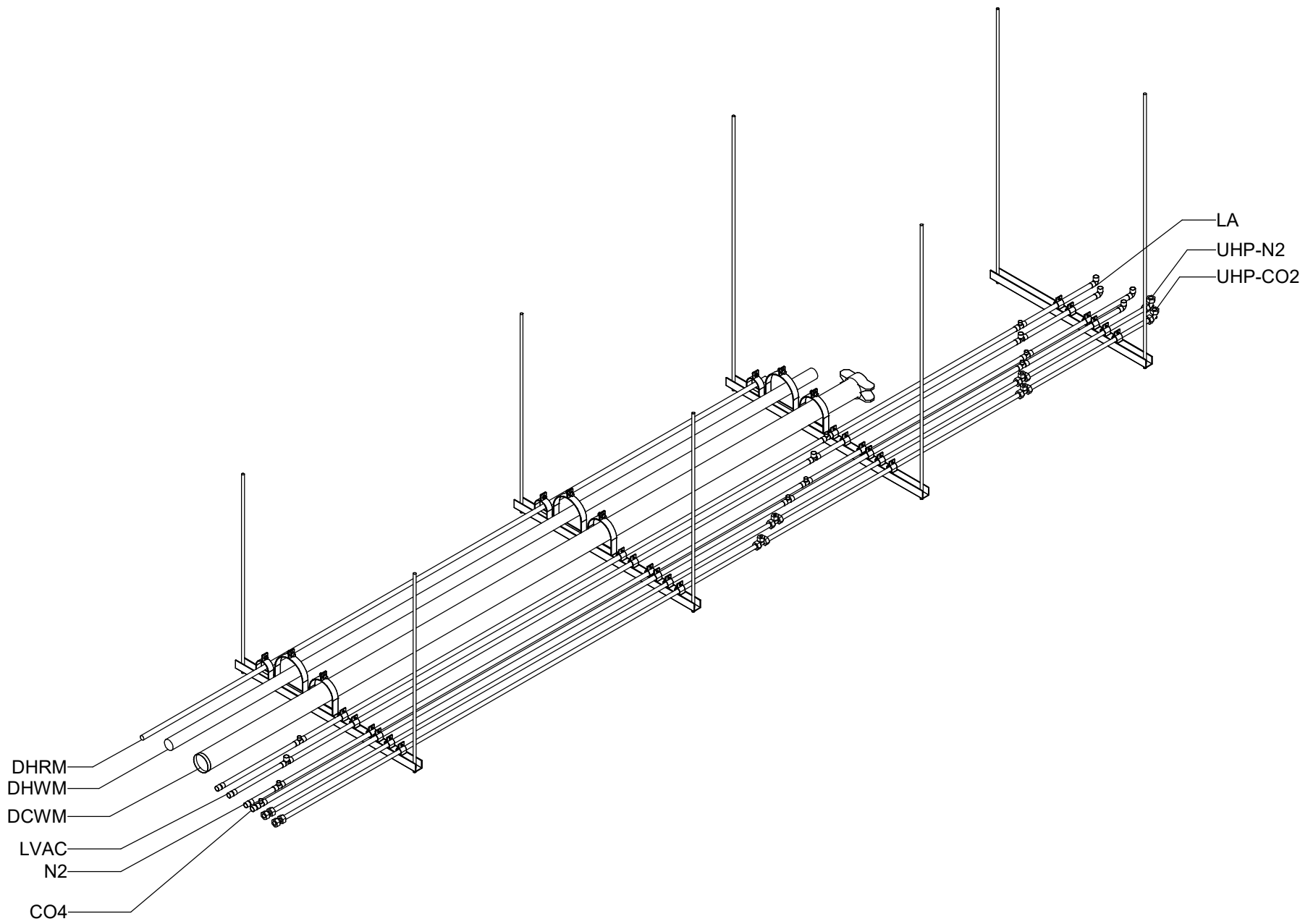
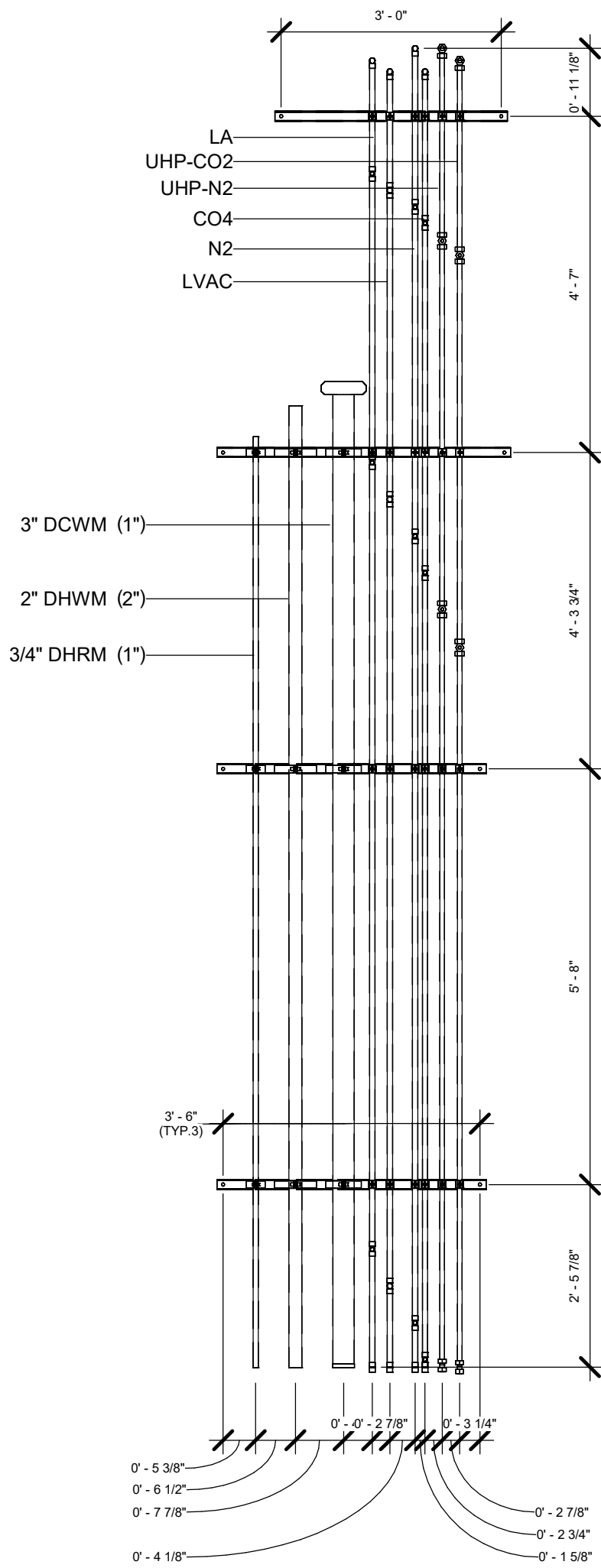


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9/14/2021 8:16:52 AM



2 AS-L03-018 - ISOMETRIC
AS-L03-018 SCALE:



1 AS-L03-018
AS-L03-018 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

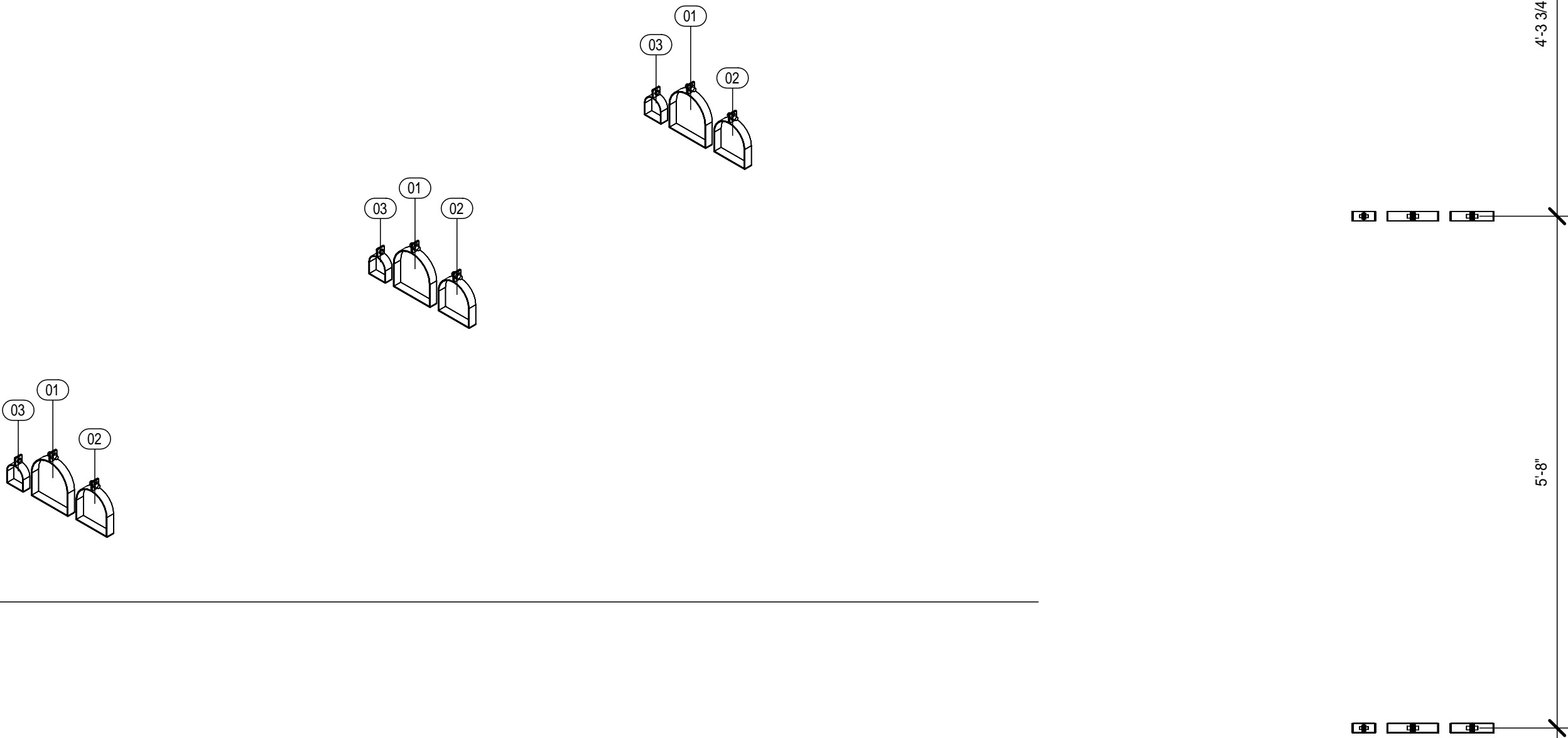
JOB: WASH U NRB
TICKET: AS-L03-018
Drawn By: Author
DATE: 08/09/21 DATE REQ:



1233 N. Price Rd.
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314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
12-08-2021 11:00:32

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	6"	B-Line B2000 ZN Sch. 40 Pipe Clamp					
02	3	5"	B-Line B2000 ZN Sch. 40 Pipe Clamp					
03	3	2.5"	B-Line B2000 ZN Sch. 40 Pipe Clamp					
01	3	6 1/8"	B-LINE #2110					
02	3	5 1/8"	B-LINE #2062					
03	3	2 7/8"	B-LINE #2014					

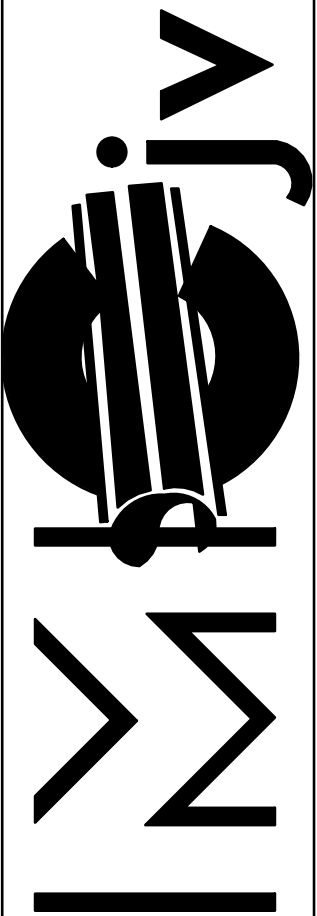


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

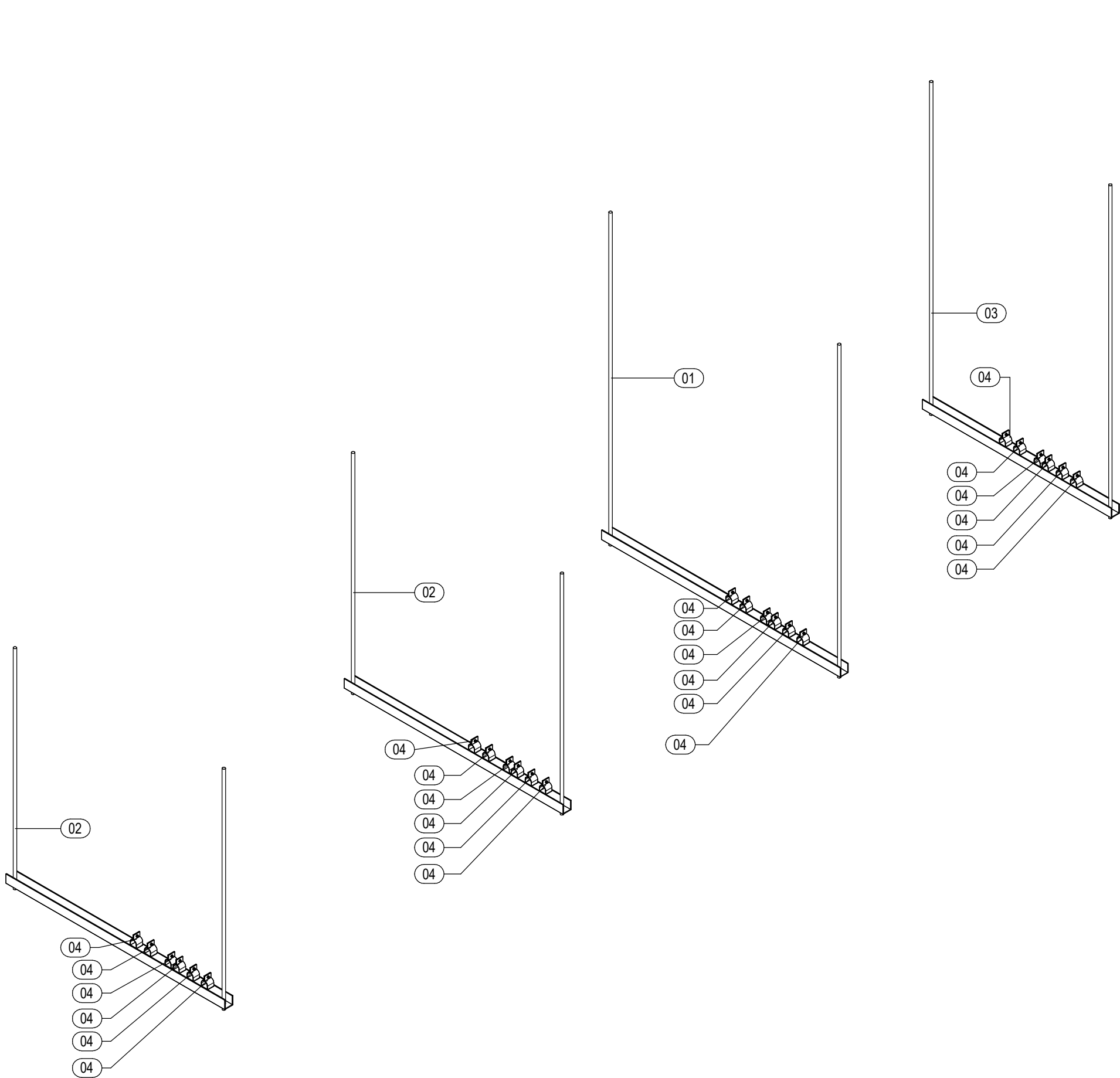
JOB: WASH U NRB	TICKET: PPHGR-L03-018	Drawn By: Author	DATE REQ: 08/12/21
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314-997-6600 phone

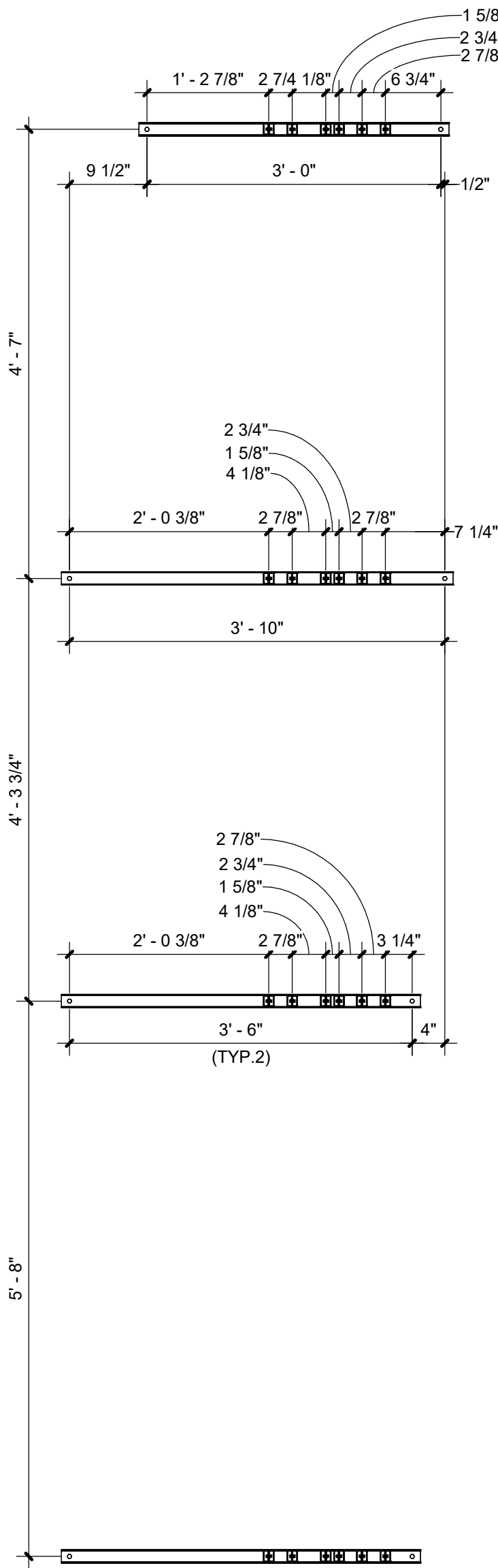
BIM 360/WUSM NRBWUSM_RB_PUF.rvt
9/14/2021 8:10:45 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	44"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		4' - 0"	4' - 10"	4' - 10"	
02	2	40"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		3' - 8"	3' - 6"	3' - 6"	
03	1	34"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		3' - 2"	4' - 10"	4' - 10"	
04	24	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"	0"	0"	



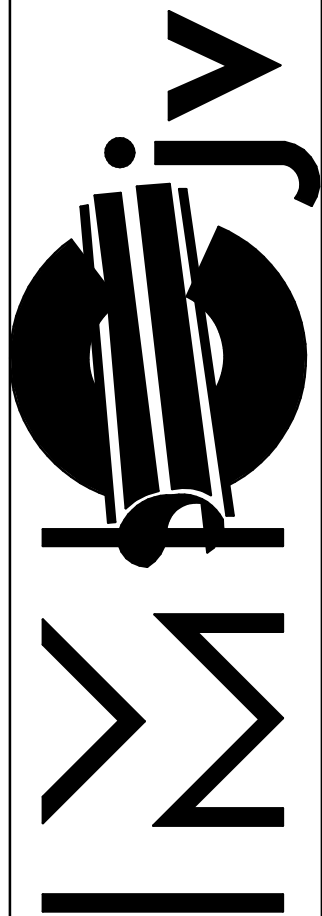
1 ISOMETRIC
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4



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

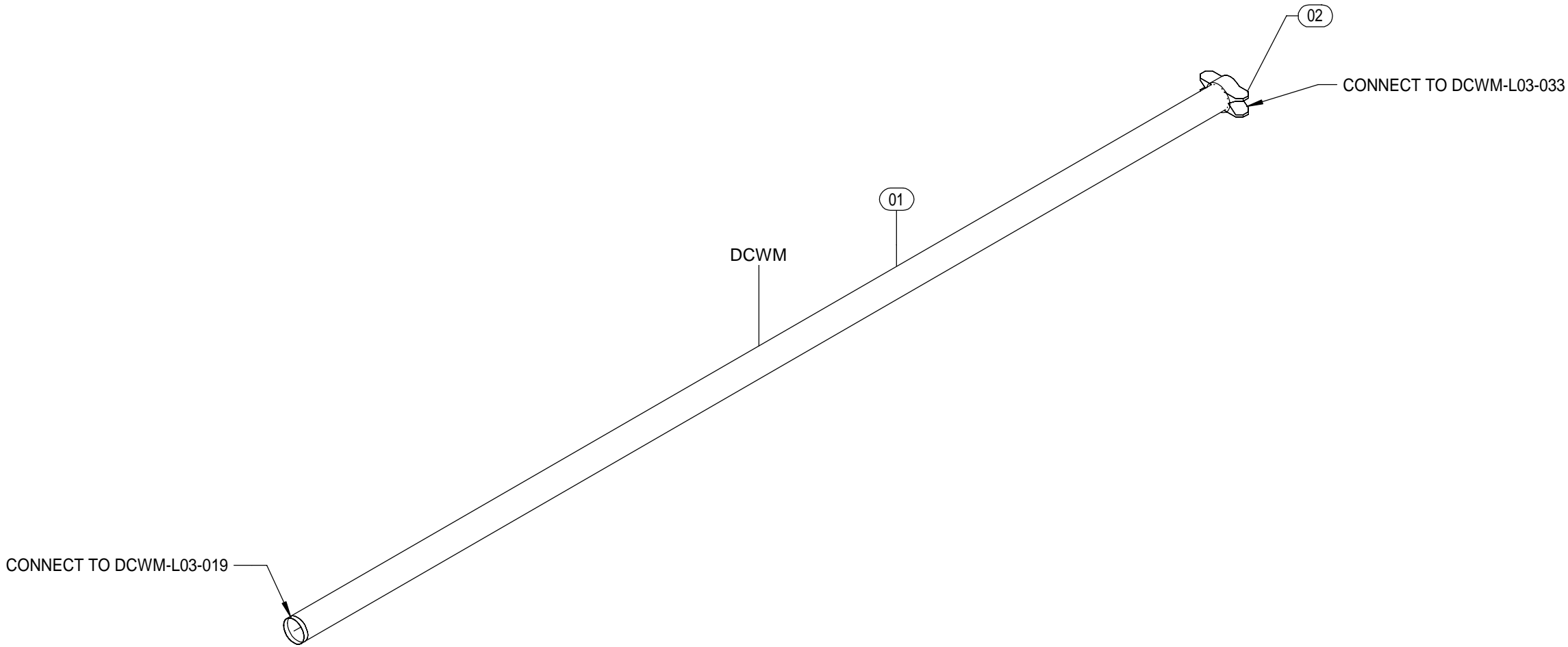
JOB: WASH U NRB
TICKET: PUHGR-L03-018
Drawn By: Author
DATE: 08/11/21
DATE REQ:



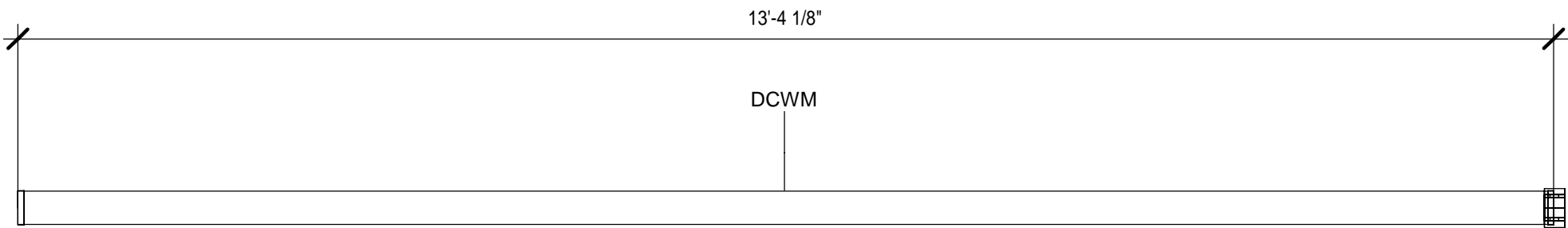
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
06-08-2021 15:59:18

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3"	Brismet Sch 10S A312 EFW 304 PIPE	13'-4 1/8"				1"
02	1	3"	Victaulic Style 107N QuickVic EHP Pnt Rigid Cpl					1"



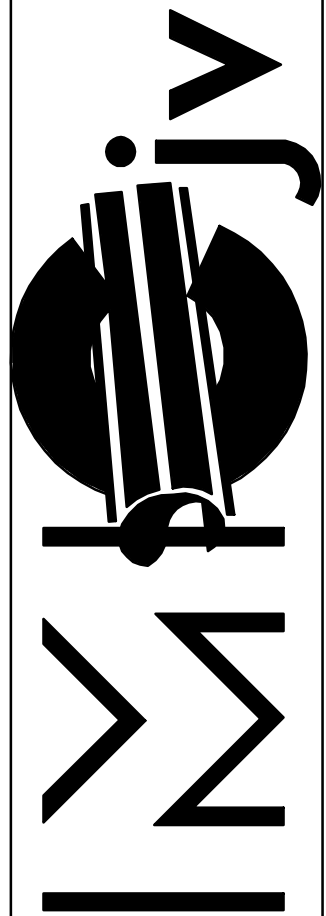
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

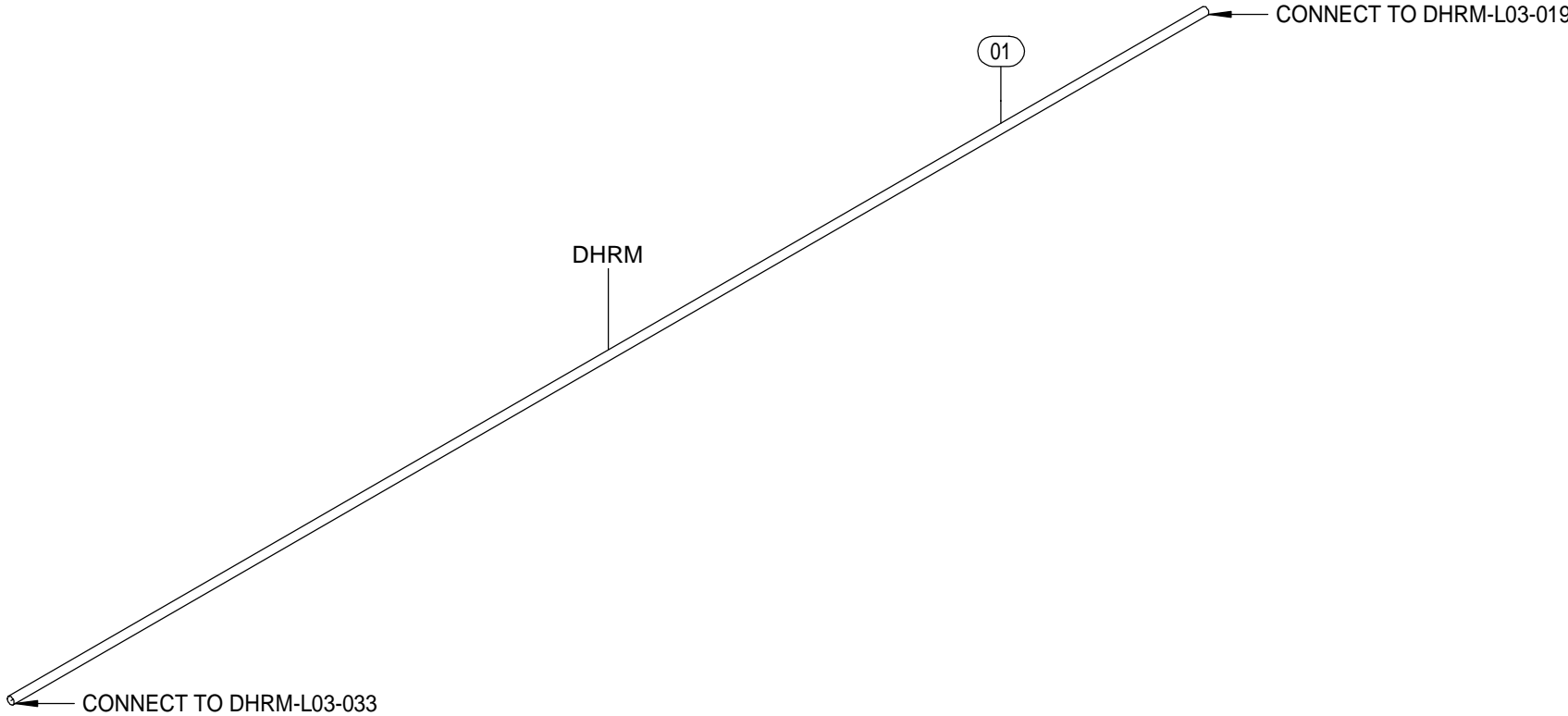
JOB:	WASH U NRB
TICKET:	DCWM-L03-018
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



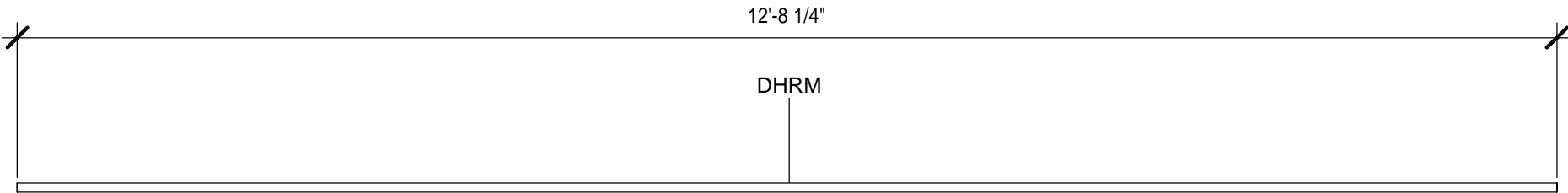
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
06-08-2021 12:42:06

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	12'-8 1/4"				1"



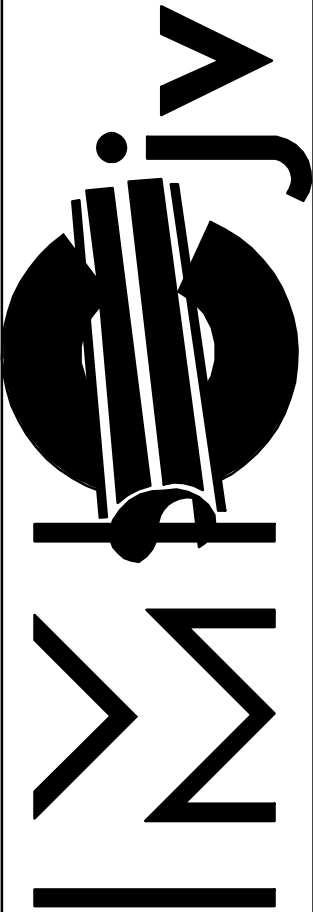
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

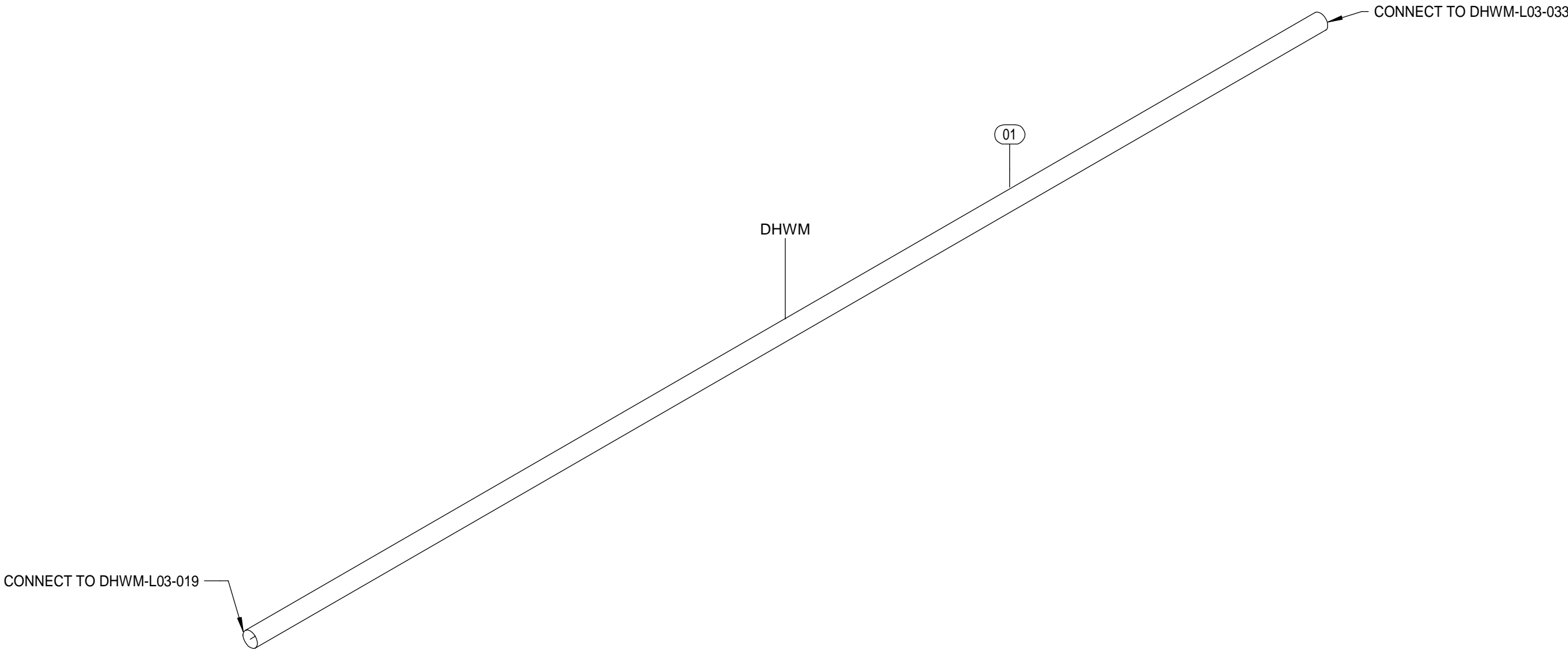
JOB:	WASH U NRB
TICKET:	DHRM-L03-018
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



1233 N. Price Rd.
St. Louis, Mo 63132-2303
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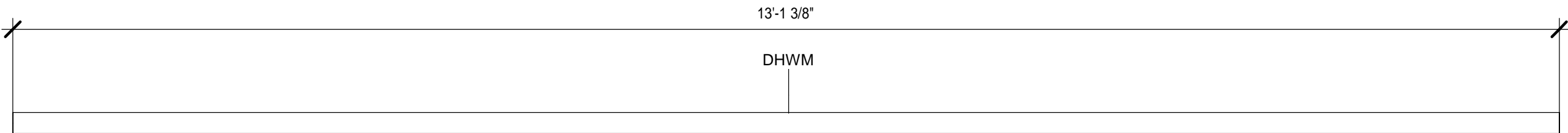
BIM 360://WUSM NRB/WUSM_RB_PLE.rvt
06-08-2021 17:37:30

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2"	Cerro Type L Hard Copper Pipe	13'-1 3/8"				2"



1 ISOMETRIC

SCALE:

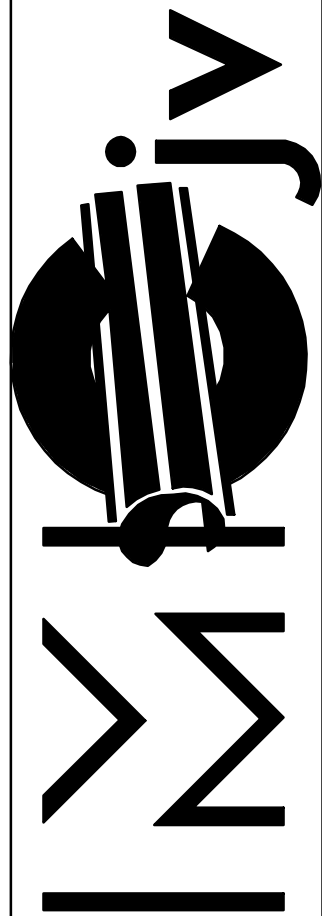


2 LEFT ELEVATION

SCALE: 1" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

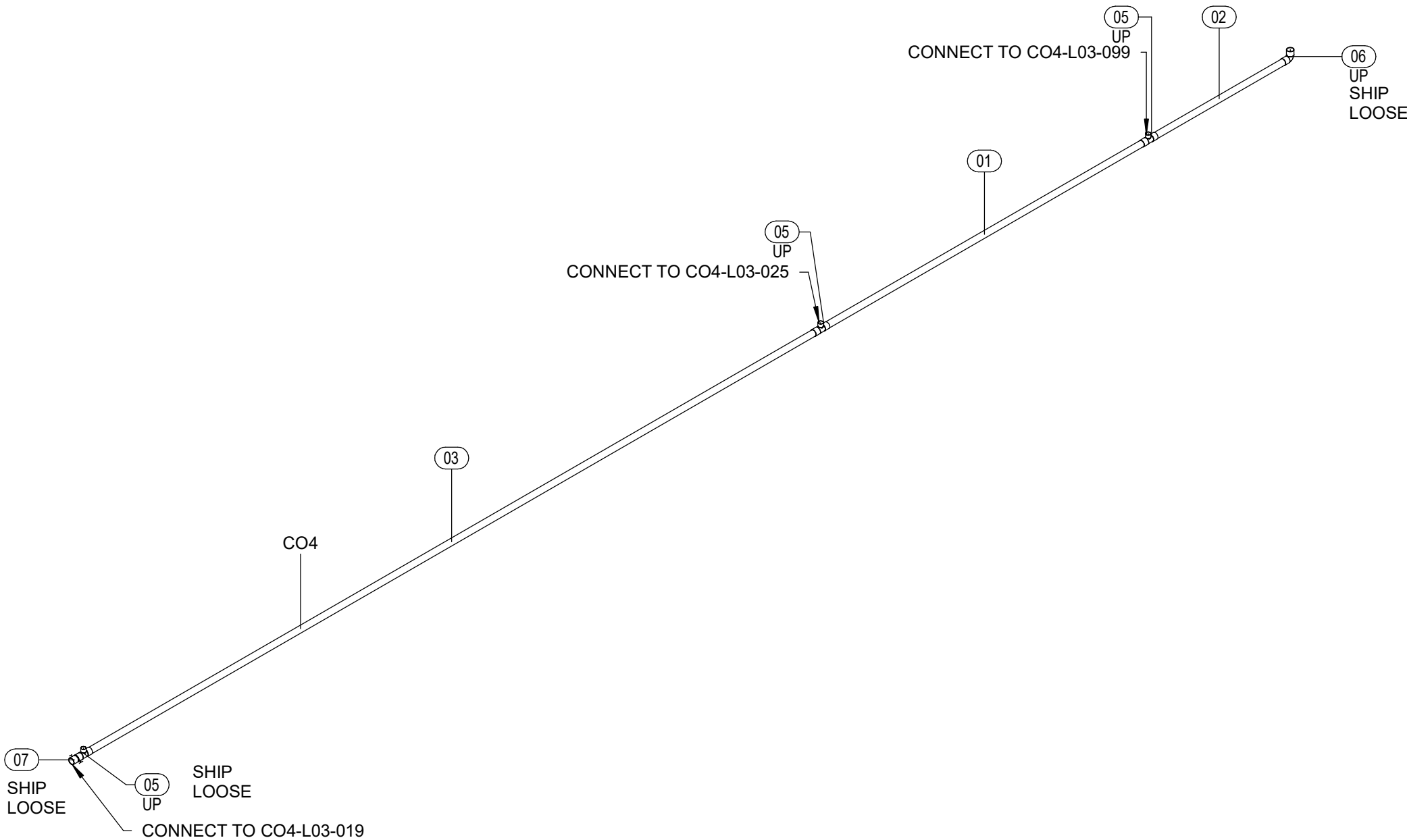
JOB:	WASH U NRB
TICKET:	DHWM-L03-018
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

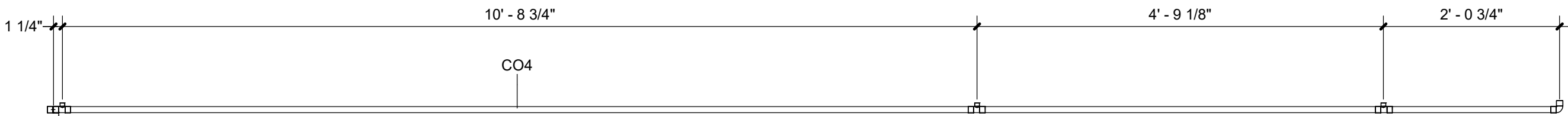
BIM 360://WUSM NRBWUSM_RB_PUF.rvt
8/16/2021 1:38:15 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-8 7/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-11 13/16"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	10'-7 13/16"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	3/4"				
05	3	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
06	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
07	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
08	3	3/4"	Generic Silfos Brazed Joint					



1 ISOMETRIC

SCALE:

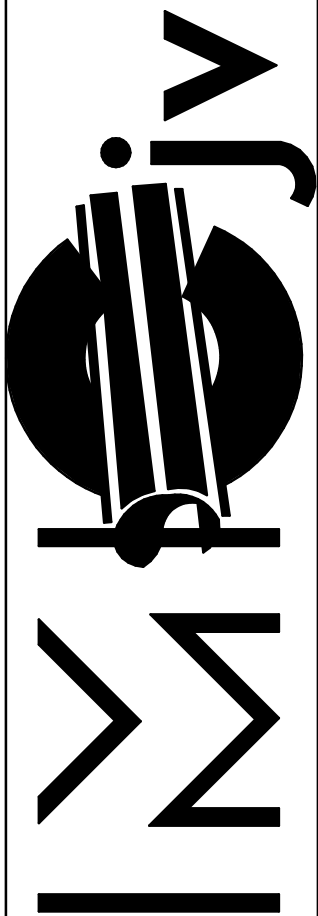


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

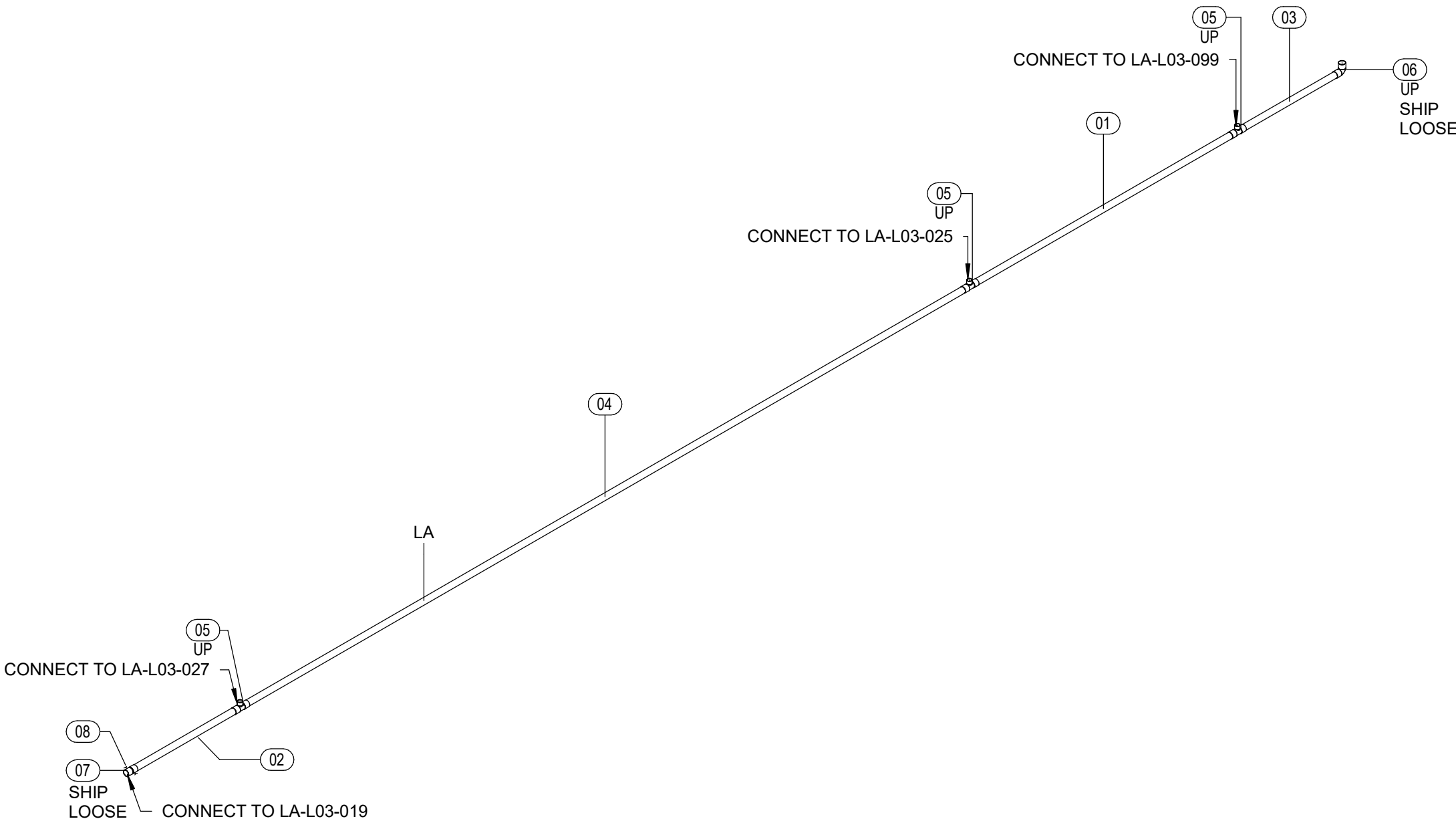
JOB: WASH U NRB
TICKET: CO4-L03-018
Drawn By: Author
DATE: 08/11/21
DATE REQ:



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St. Louis, Mo 63132-2303
314-997-6600 phone

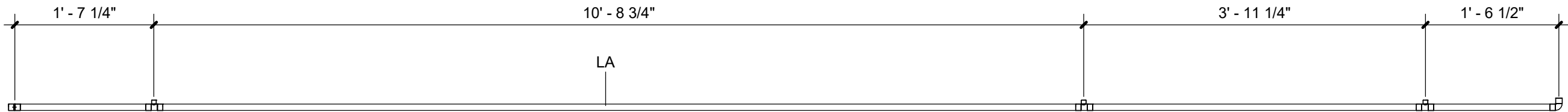
BIM 360//WUSM NRBWUSM_RB_PUF.rvt
8/16/2021 1:48:04 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-10 5/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-6 7/8"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-5 5/8"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	10'-7 13/16"				
05	3	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
06	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
07	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
08	2	3/4"	Generic Silfos Brazed Joint					



1 ISOMETRIC

SCALE:

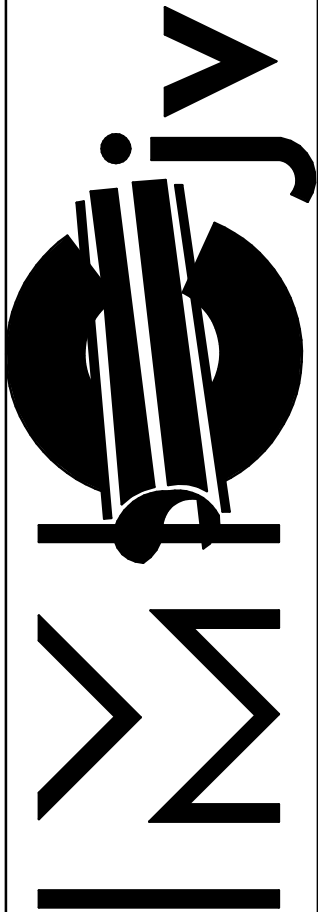


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

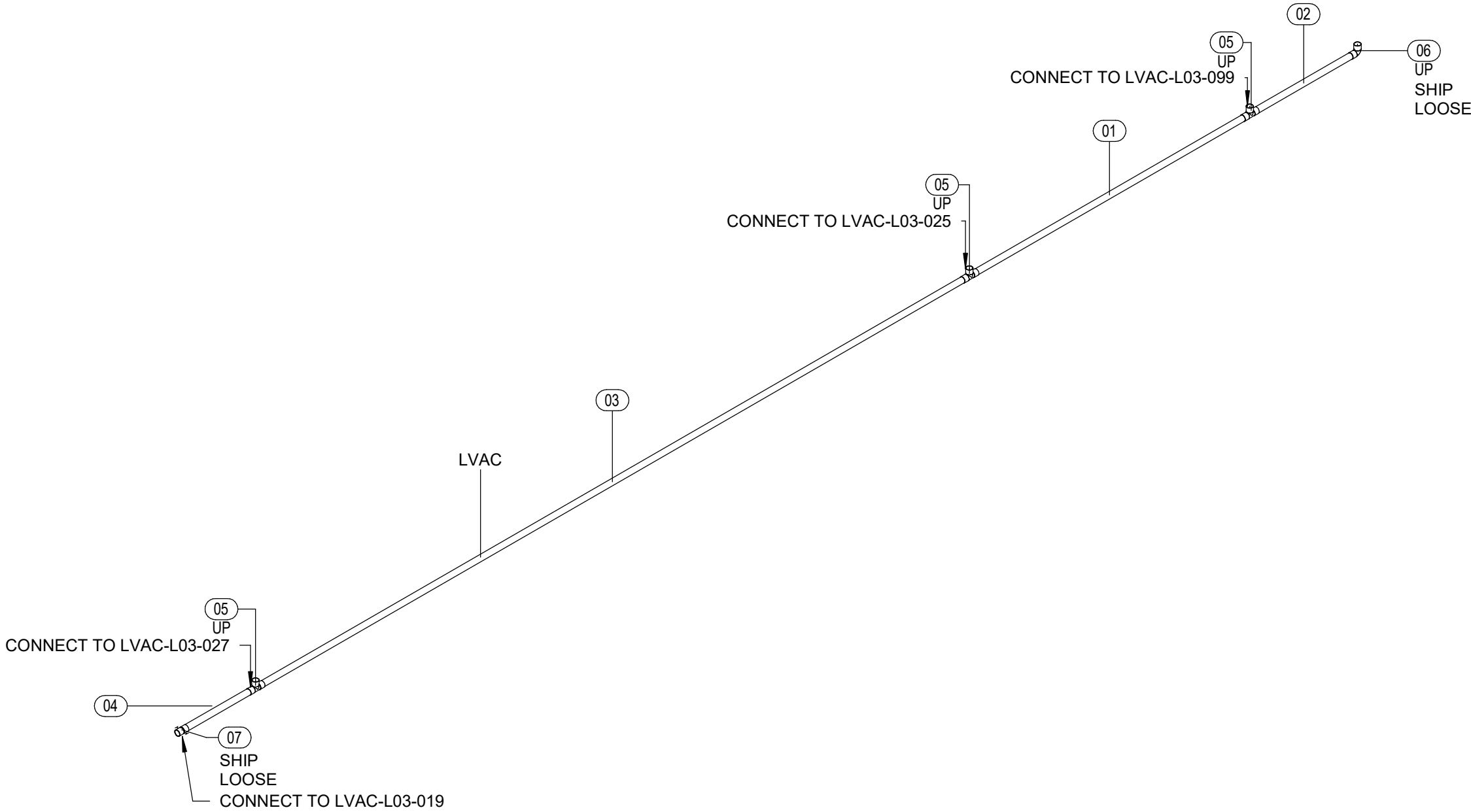
JOB: WASH U NRB
TICKET: LA-L03-018
Drawn By: Author
DATE: 08/11/21
DATE REQ:



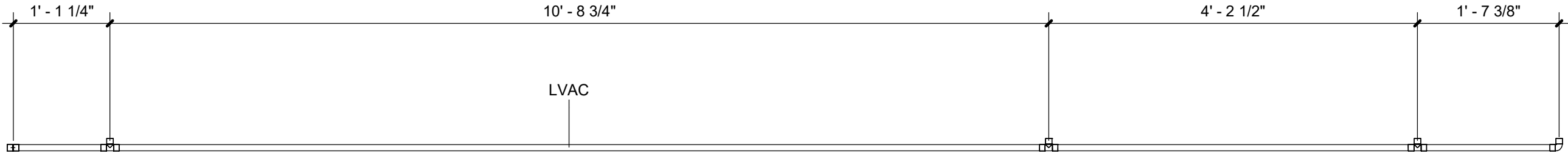
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_PUF.rvt
8/16/2021 1:49:47 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-1 9/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-6 7/16"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	10'-7 11/16"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-0 3/4"				
05	3	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
06	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
07	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
08	2	3/4"	Generic Silfos Brazed Joint					



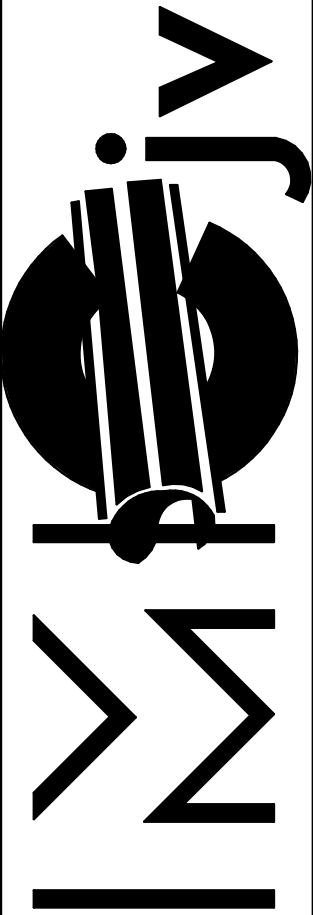
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

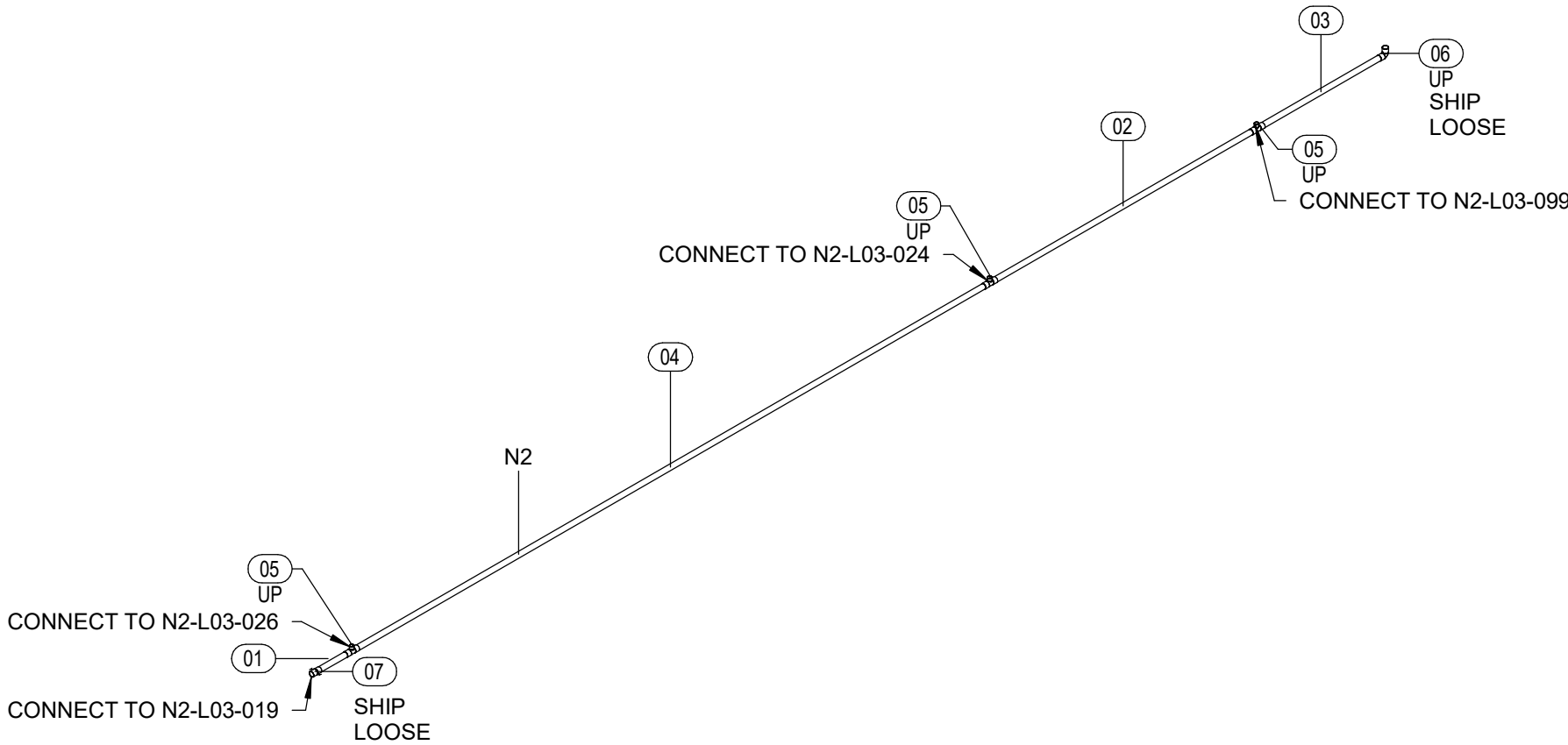
JOB:	WASH U NRB
TICKET:	LVAC-L03-018
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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314-997-6600 phone

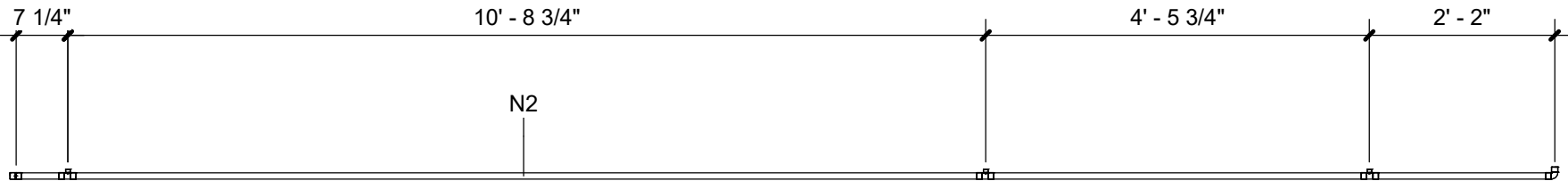
BIM 360/WUSM NRBWUSM_RB_PUF.rvt
8/18/2021 1:51:18 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-6 3/4"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-5 1/16"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-1"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	10'-7 13/16"				
05	3	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
06	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
07	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
08	2	3/4"	Generic Silfos Brazed Joint					



1 ISOMETRIC

SCALE:

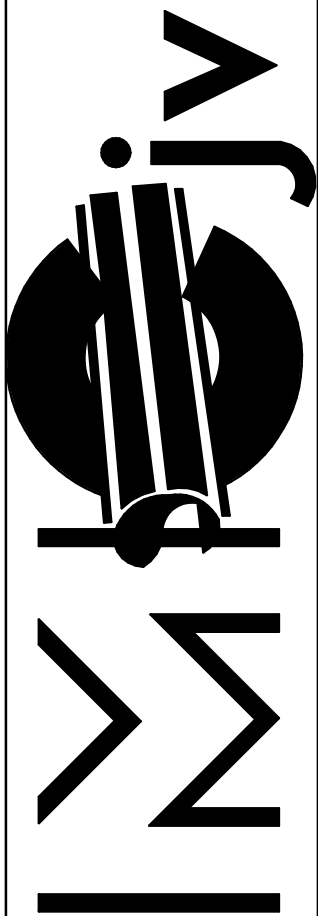


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

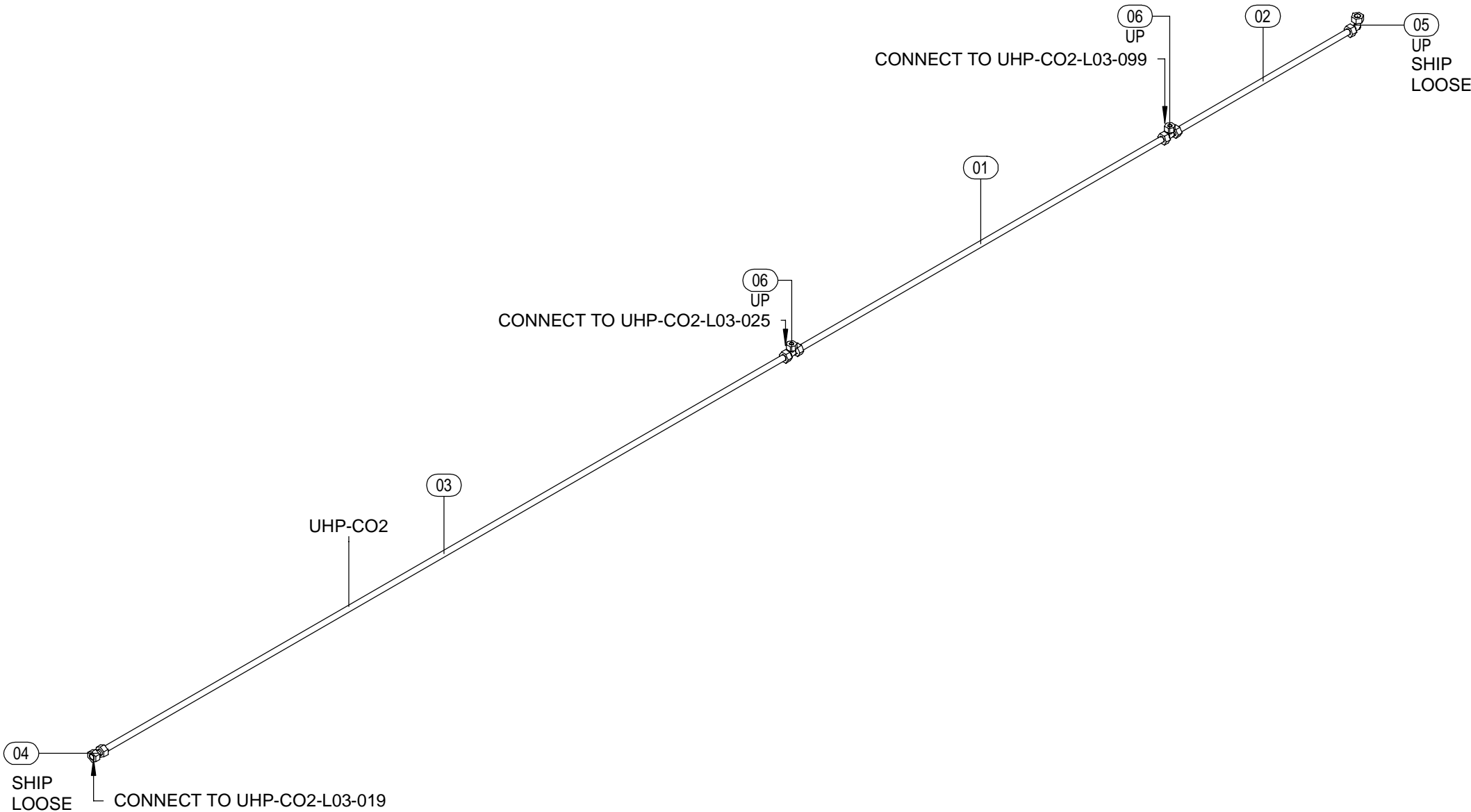
JOB: WASH U NRB
TICKET: N2-L03-018
Drawn By: Author
DATE: 08/11/21
DATE REQ:



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314-997-6600 phone

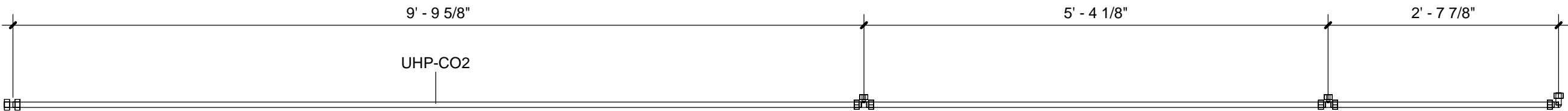
BIM 360/WUSM NRBWUSM_RB_PUF.rvt
11-08-2021 17:02:19

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	5'-3 7/16"				
02	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	2'-6 7/8"				
03	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	9'-9 1/4"				
04	1	3/4"	Swagelok SS316 Compression Union Coupling					
05	1	3/4"	Swagelok SS316 Compression Union 90 Elbow					
06	2	3/4"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee					



1 ISOMETRIC

SCALE:

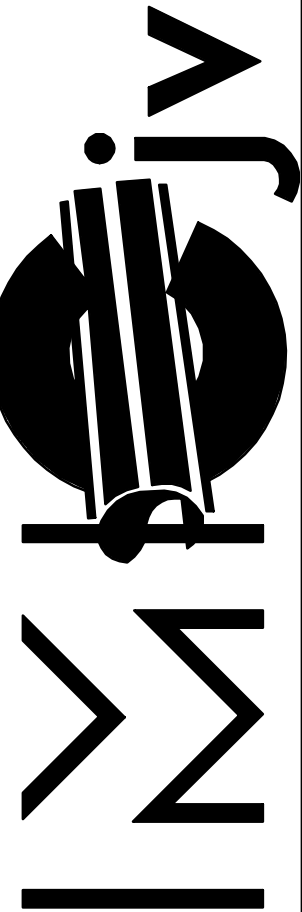


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

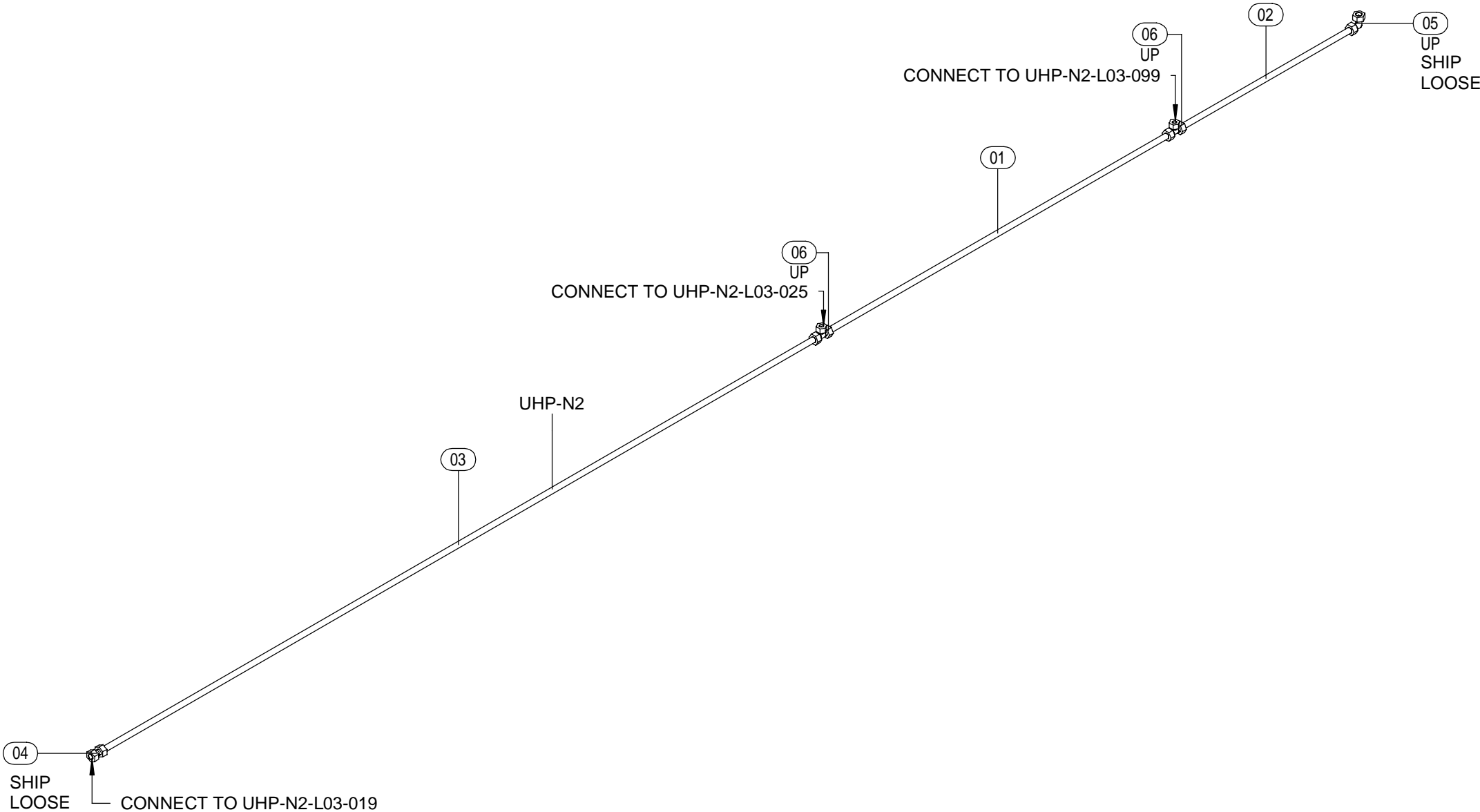
JOB:	WASH U NRB
TICKET:	UHP-CO2-L03-018
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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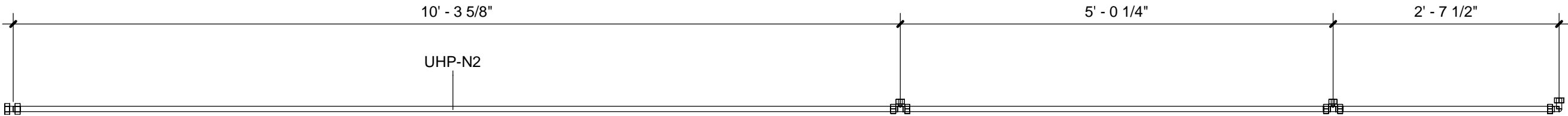
BIM 360/WUSM NRBWUSM_RB_PUF.rvt
11-08-2021 17:00:33

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	4'-11 1/2"				
02	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	2'-6 1/2"				
03	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	10'-3 3/16"				
04	1	3/4"	Swagelok SS316 Compression Union Coupling					
05	1	3/4"	Swagelok SS316 Compression Union 90 Elbow					
06	2	3/4"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee					



1 ISOMETRIC

SCALE:

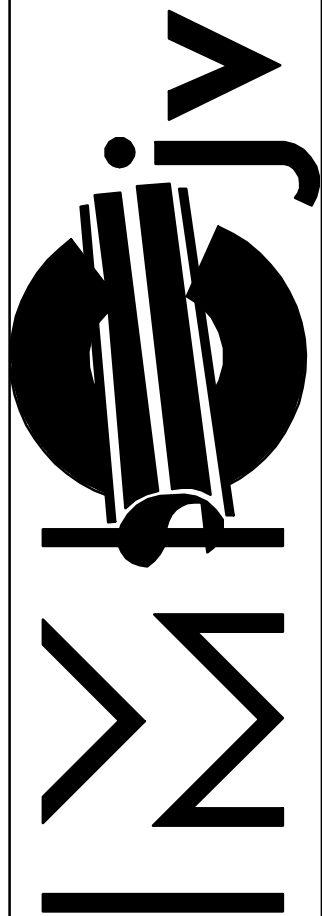


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	UHP-N2-L03-018
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone