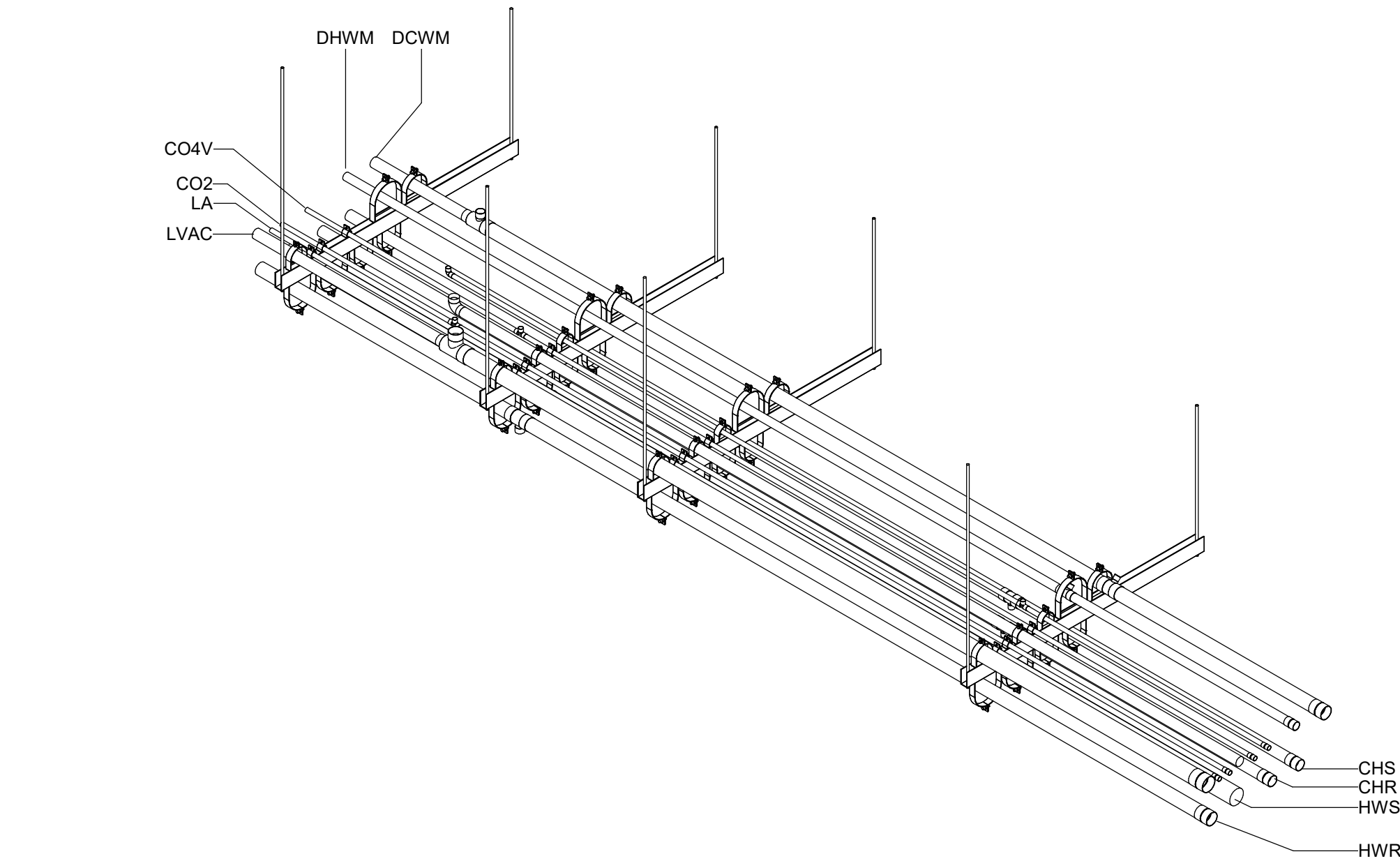
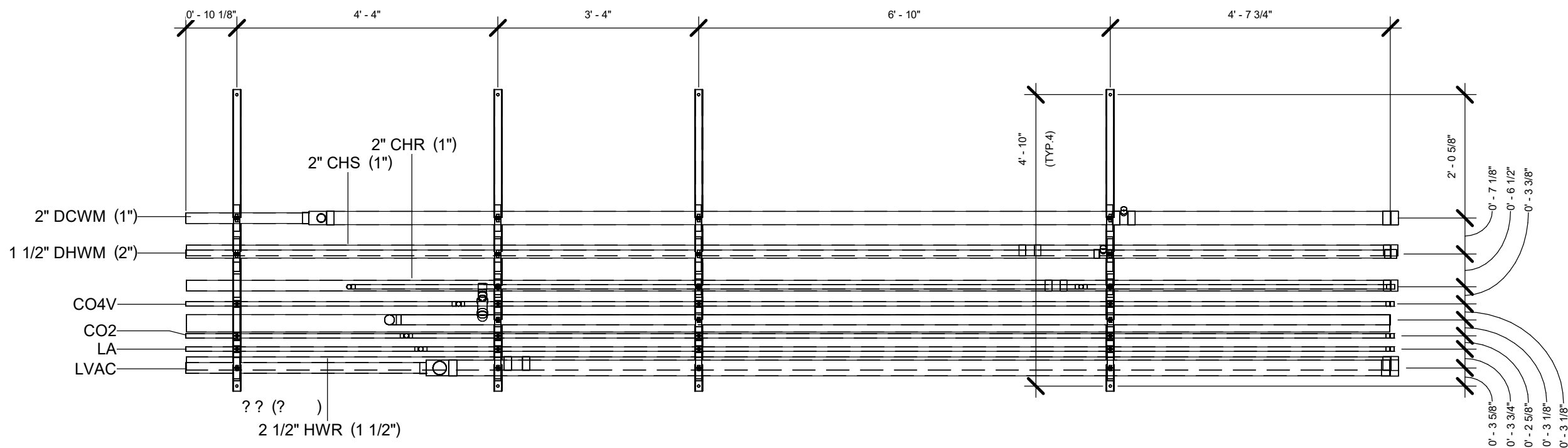


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9/22/2021 9:28:57 AM



2 AS-L03-005 - ISOMETRIC
AS-L03-005 SCALE:



1 AS-L03-005
AS-L03-005 SCALE: 1/2" = 1'-0"

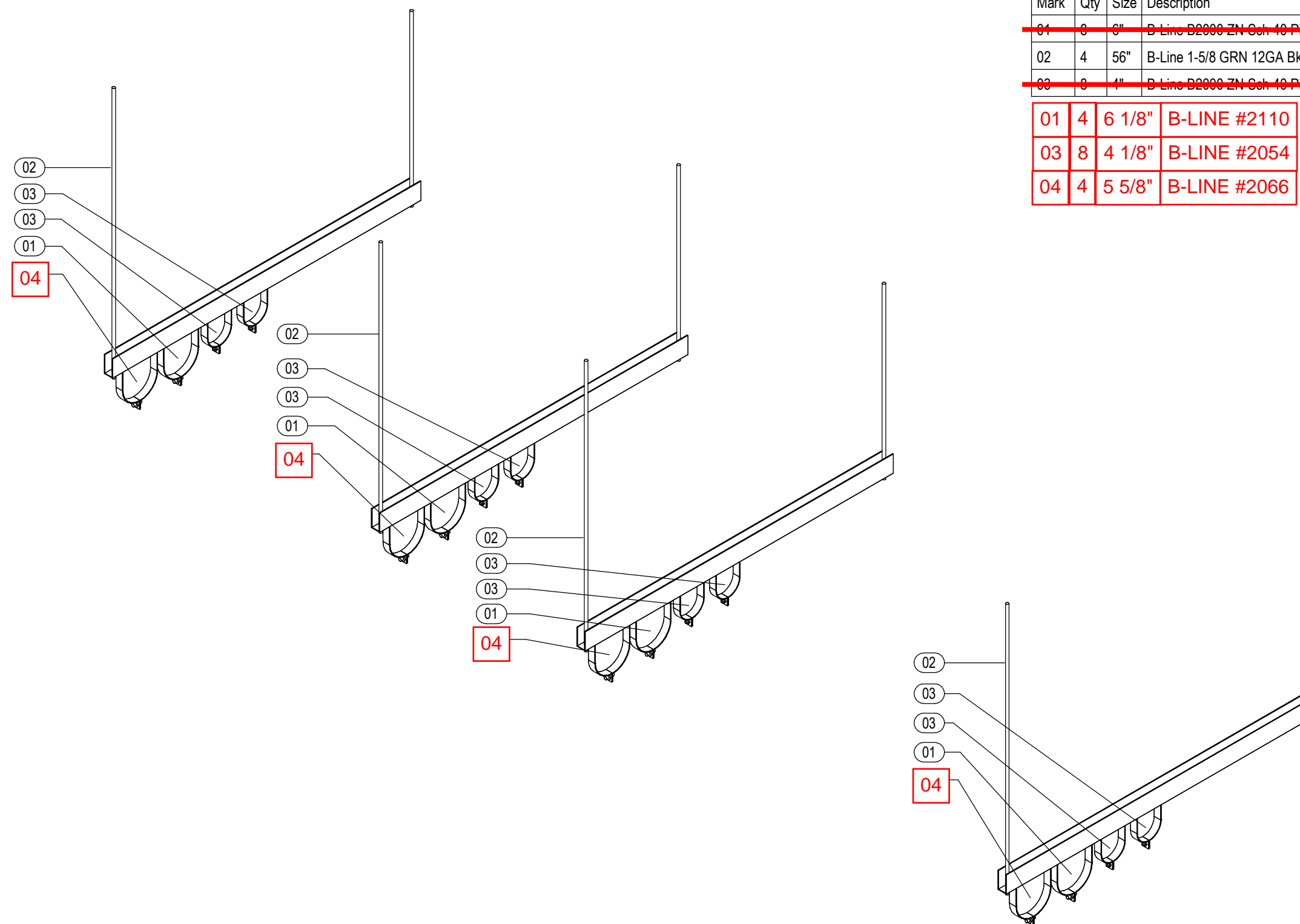
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A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L03-005
Drawn By: Author
DATE: 08/09/21
DATE REQ:



1233 N. Price Rd.
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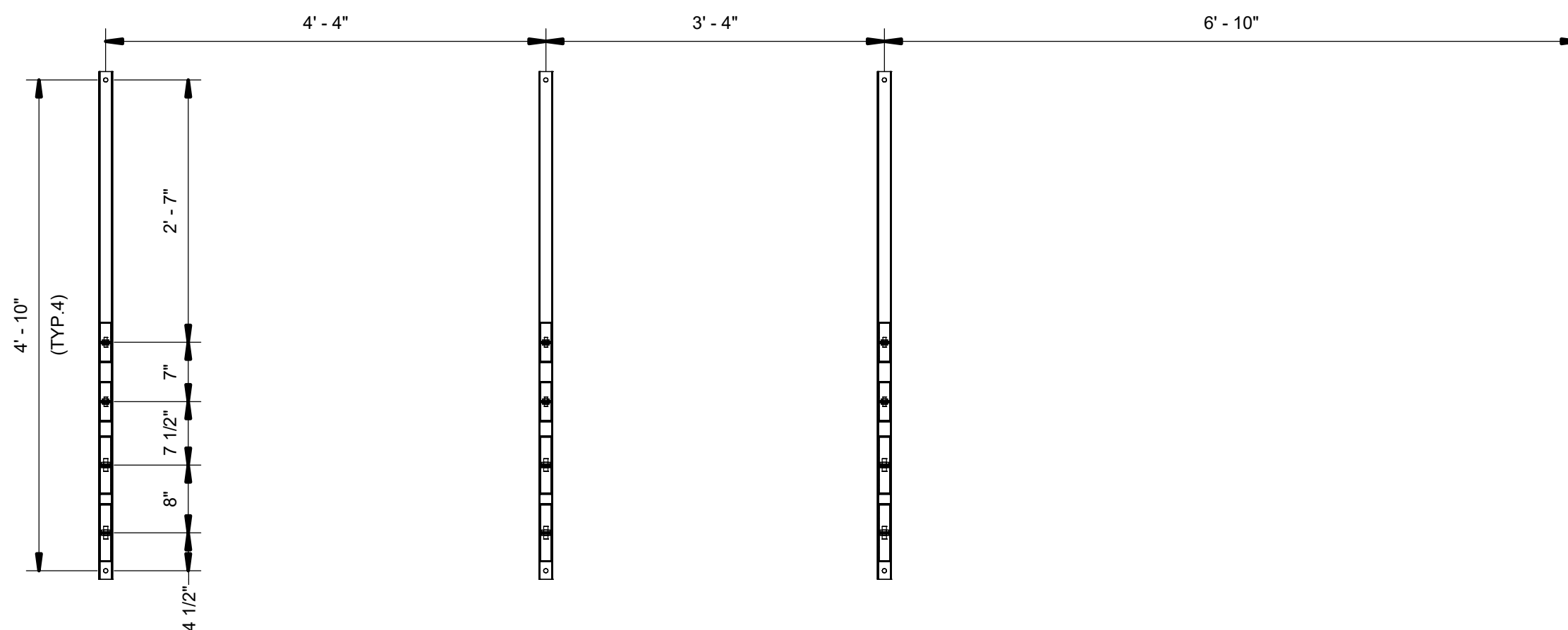
BIM 360://WUSM NRB/WUSM RB HPF.rvt
8/20/2021 2:01:41 PM



Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	0	6"	B-Line D2000 ZN Cch 10 Pipe Clamp		0"	0"	0"	
02	4	56"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		5' - 0"	4' - 1"	2' - 9"	
03	0	1"	B-Line D2000 ZN Cch 10 Pipe Clamp		0"	0"	0"	

01	4	6 1/8"	B-LINE #2110
03	8	4 1/8"	B-LINE #2054
04	4	5 5/8"	B-LINE #2066

SCALE:



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

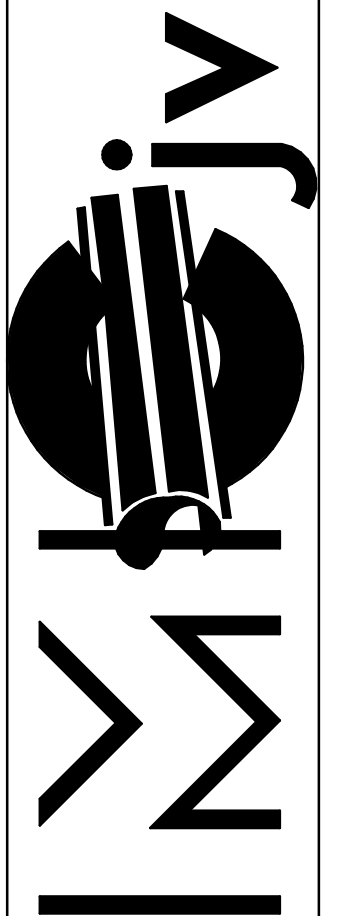
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A2	A4	B2	B4

JOB: WASH U NRB

TICKET: HPHGR-L03-005

Drawn By: Author

DATE: 08/11/21 DATE REQ:

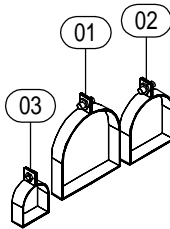
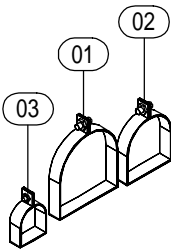
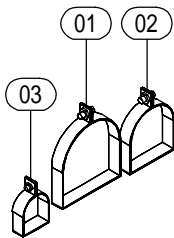
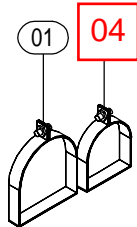


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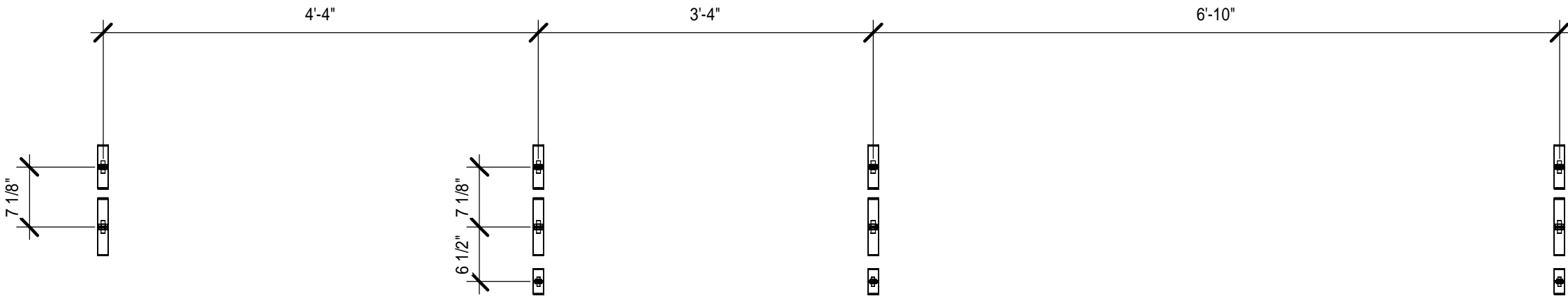
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20-08-2021 15:54:05

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	4	6"	B-Line B2000 ZN Sch 40 Pipe Clamp					
02	4	4.5"	B-Line B2000 ZN Sch 40 Pipe Clamp					
03	3	2.5"	B-Line B2000 ZN Sch 40 Pipe Clamp					

01	4	5 5/8"	B-LINE #2066
02	4	4 5/8"	B-LINE #2058
03	4	2 7/8"	B-LINE #2014
04	4	4 1/8"	B-LINE #2054



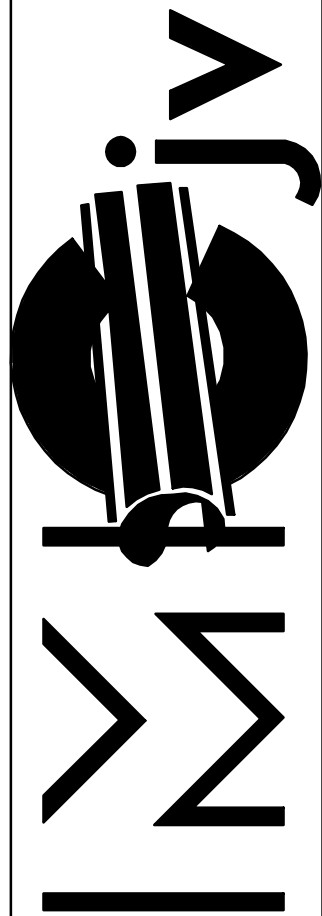
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

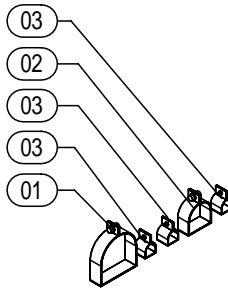
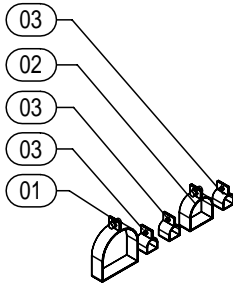
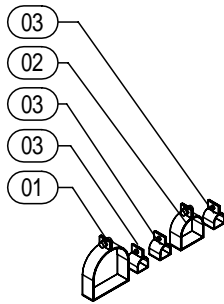
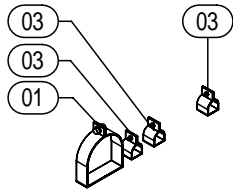
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TICKET: PPHGR-L03-005
Drawn By: Author
DATE: 08/20/21
DATE REQ:



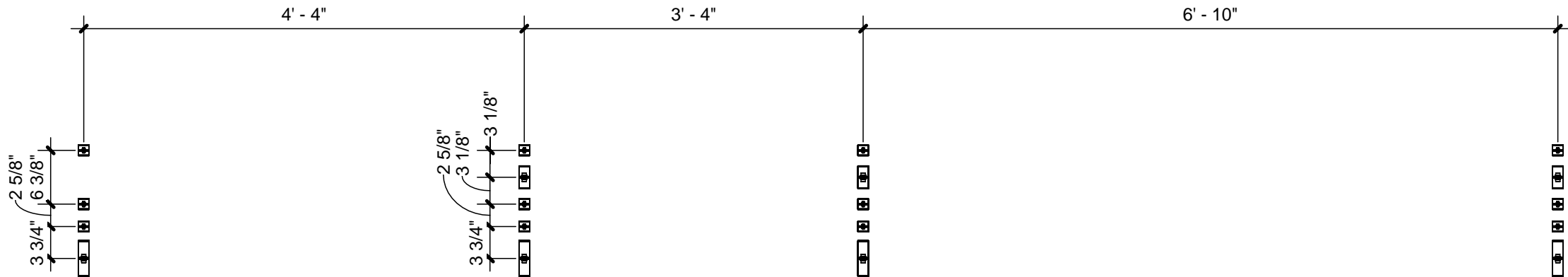
1233 N. Price Rd.
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314-997-6600 phone

BIM 360/WWUM NRB\WUSM_RB_PUF.rvt
18-08-2021 16:30:46

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	4	3.5"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	3	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
03	12	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					



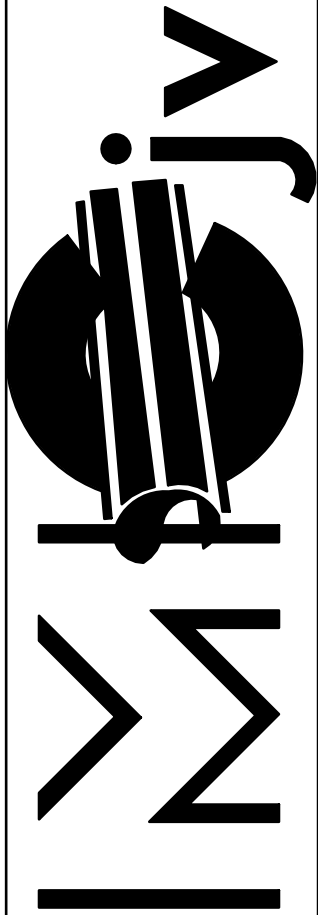
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

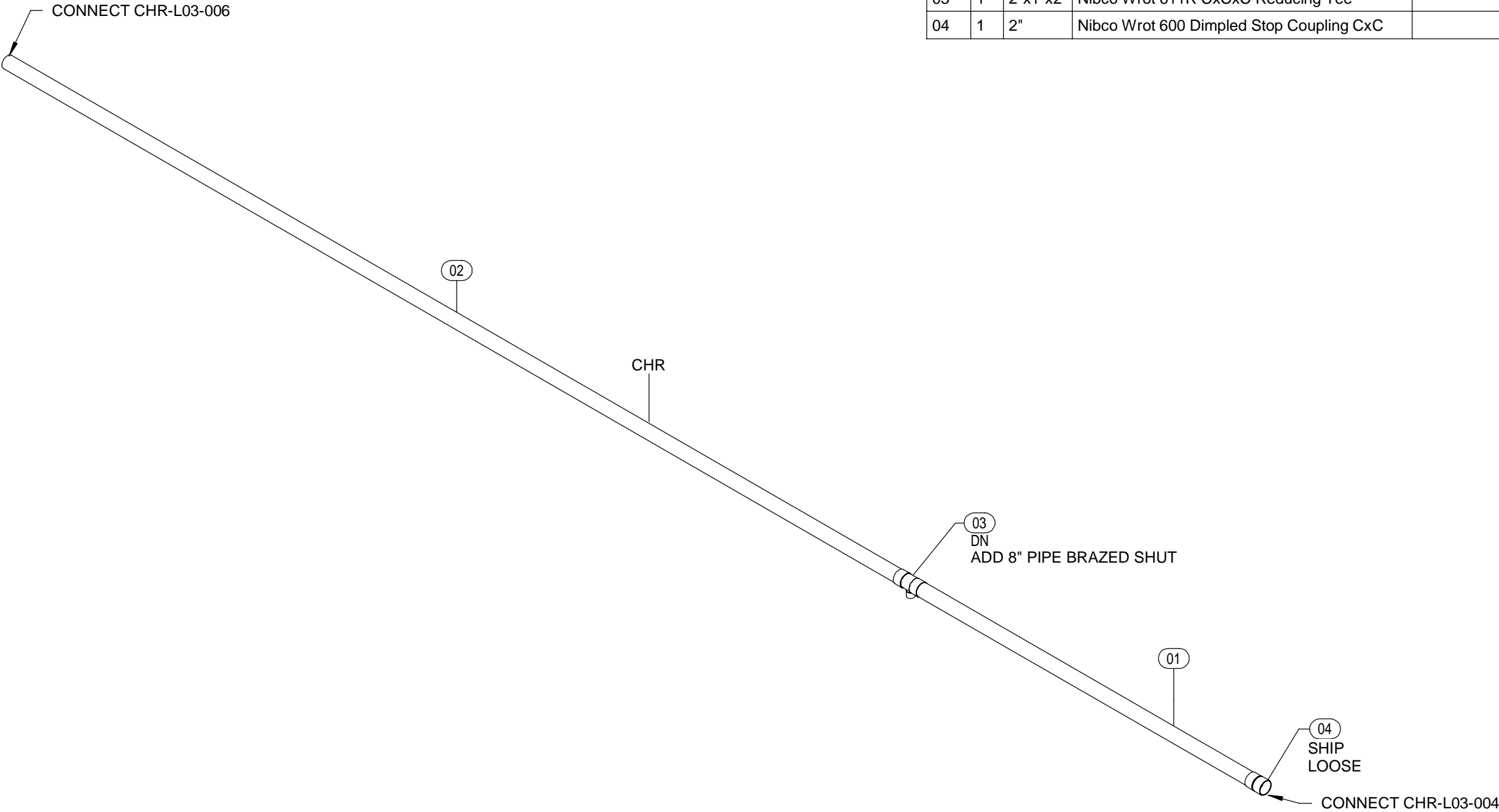
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TICKET:	PUHGR-L03-005
Drawn By: Author	
DATE: 08/18/21	DATE REQ:



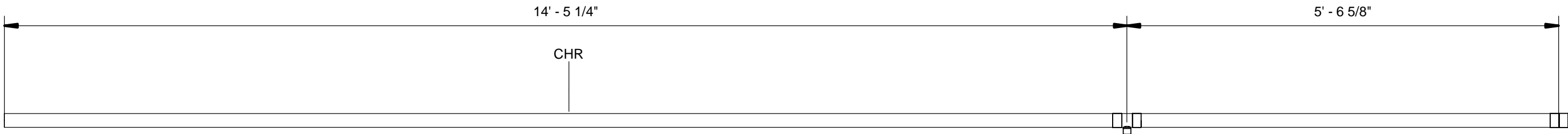
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
05-08-2021 17:52:20

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	5'-5 3/4"				1"
02	1	2"	Cerro Type K Hard Copper Pipe	14'-4 7/16"				1"
03	1	2"x1"x2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
04	1	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



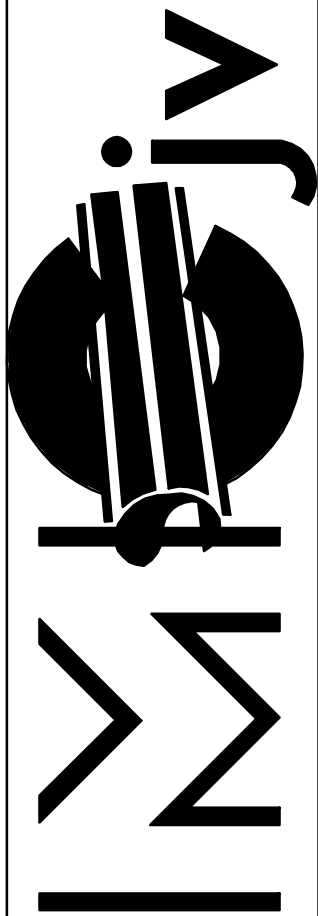
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

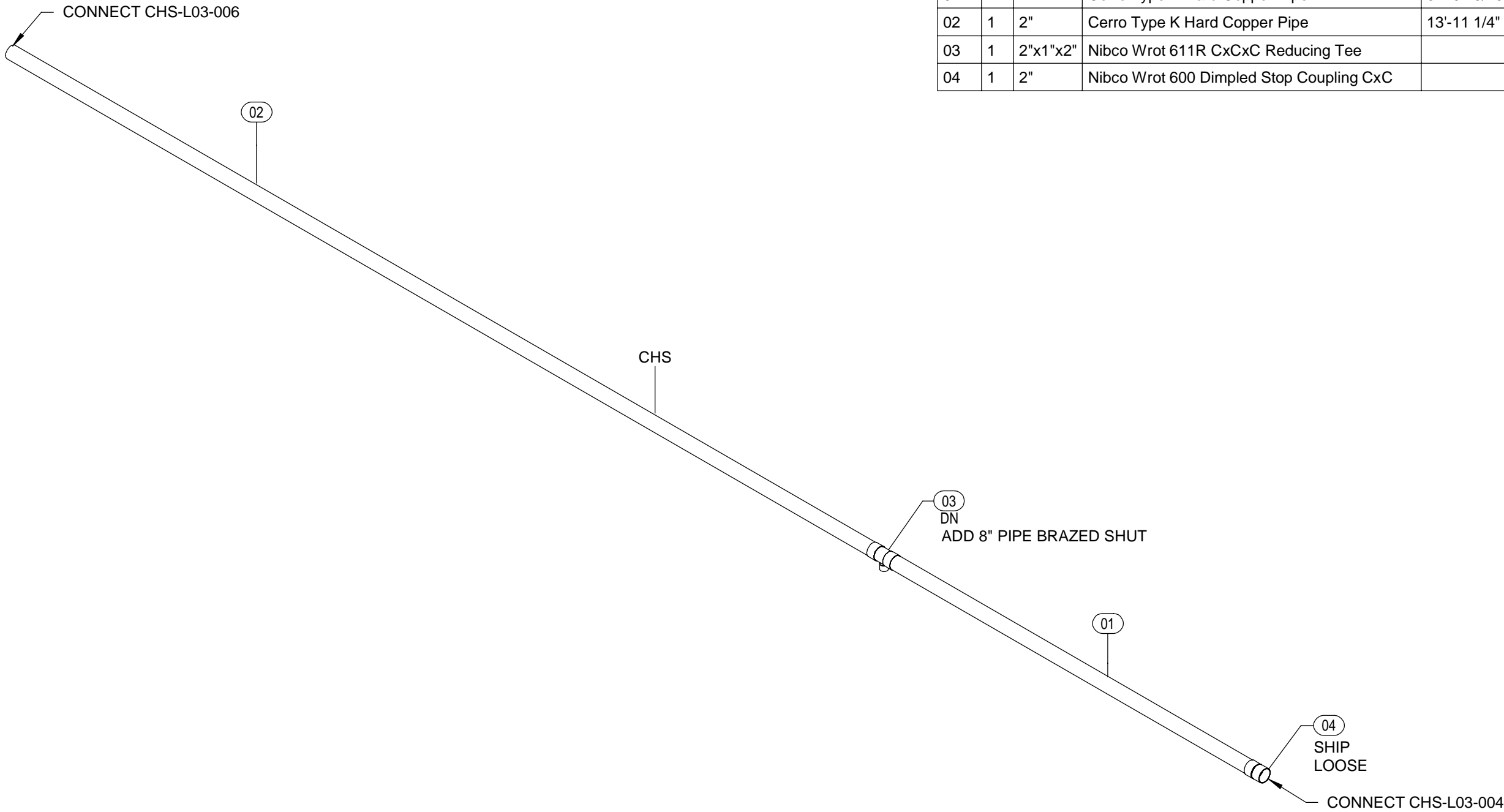
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TICKET: CHR-L03-005
Drawn By: Author
DATE: 08/05/21
DATE REQ:



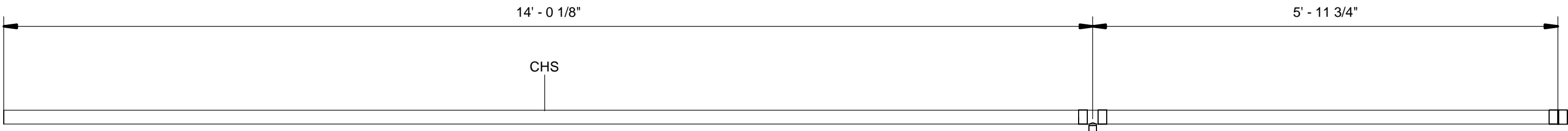
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_HPF.rvt
05-08-2021 17:56:14

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	5'-10 15/16"				1"
02	1	2"	Cerro Type K Hard Copper Pipe	13'-11 1/4"				1"
03	1	2"x1"x2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
04	1	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



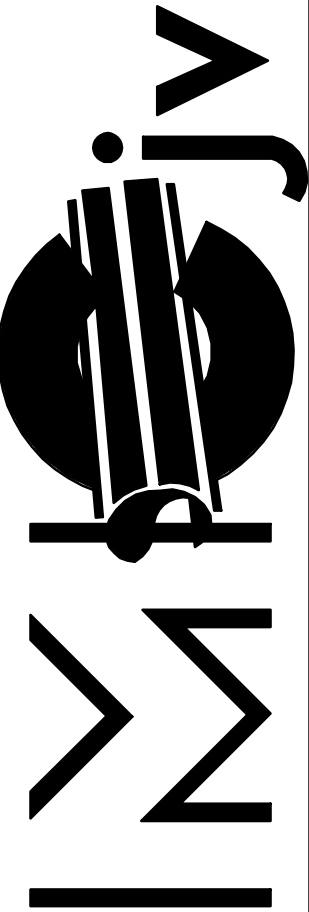
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SCALE:



2 FRONT ELEVATION
SCALE: 3/4\"/>

A1	A3	B1	B3
A2	A4	B2	B4

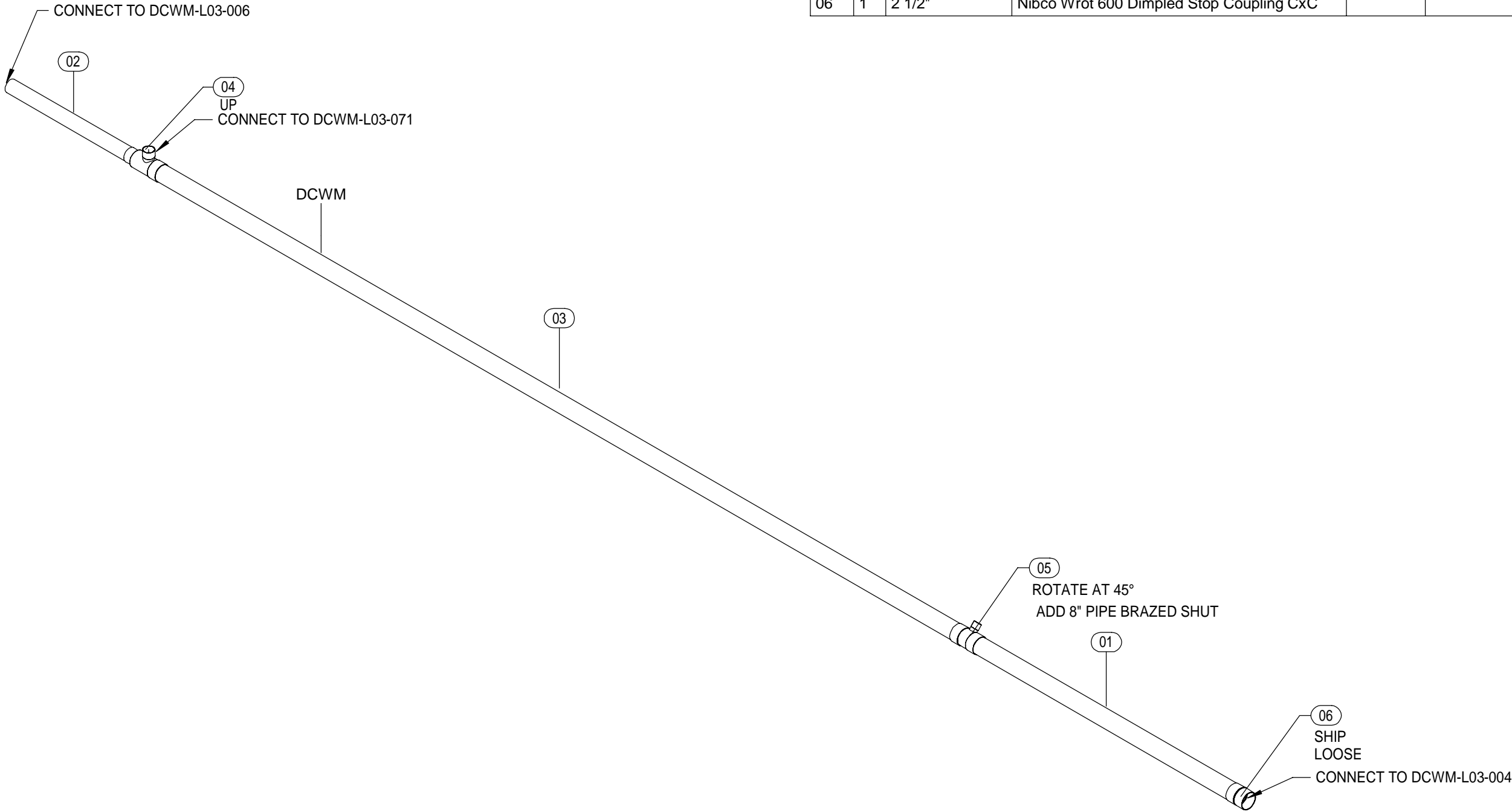
JOB:	WASH U NRB
TICKET:	CHS-L03-005
Drawn By: Author	
DATE: 08/05/21	DATE REQ:



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

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
20-08-2021 17:34:32

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2 1/2"	Cerro Type L Hard Copper Pipe	4'-4 5/16"				1"
02	1	2"	Cerro Type L Hard Copper Pipe	2'-0 9/16"				1"
03	1	2 1/2"	Cerro Type L Hard Copper Pipe	13'-2"				1"
04	1	2 1/2"x2"x1 1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	2 1/2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
06	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1

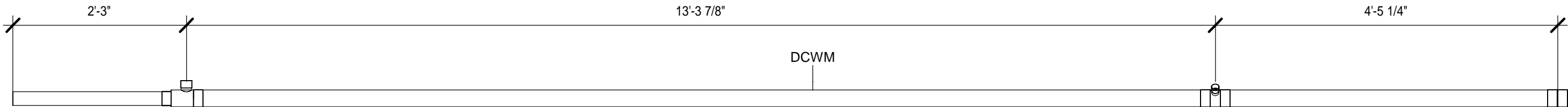
ISOMETRIC

SCALE:

2

FRONT ELEVATION

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



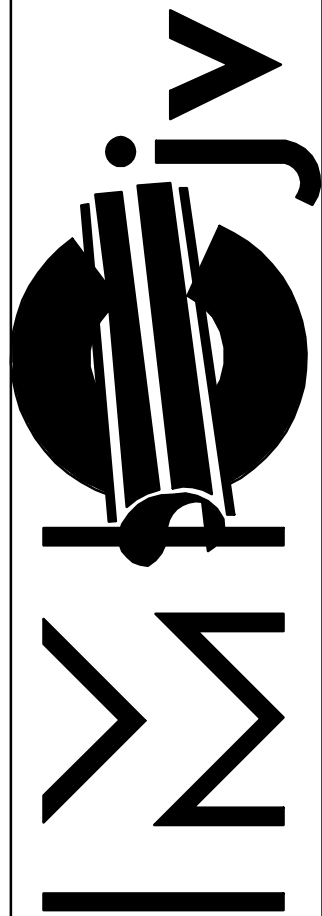
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: DCWM-L03-005

Drawn By: Author

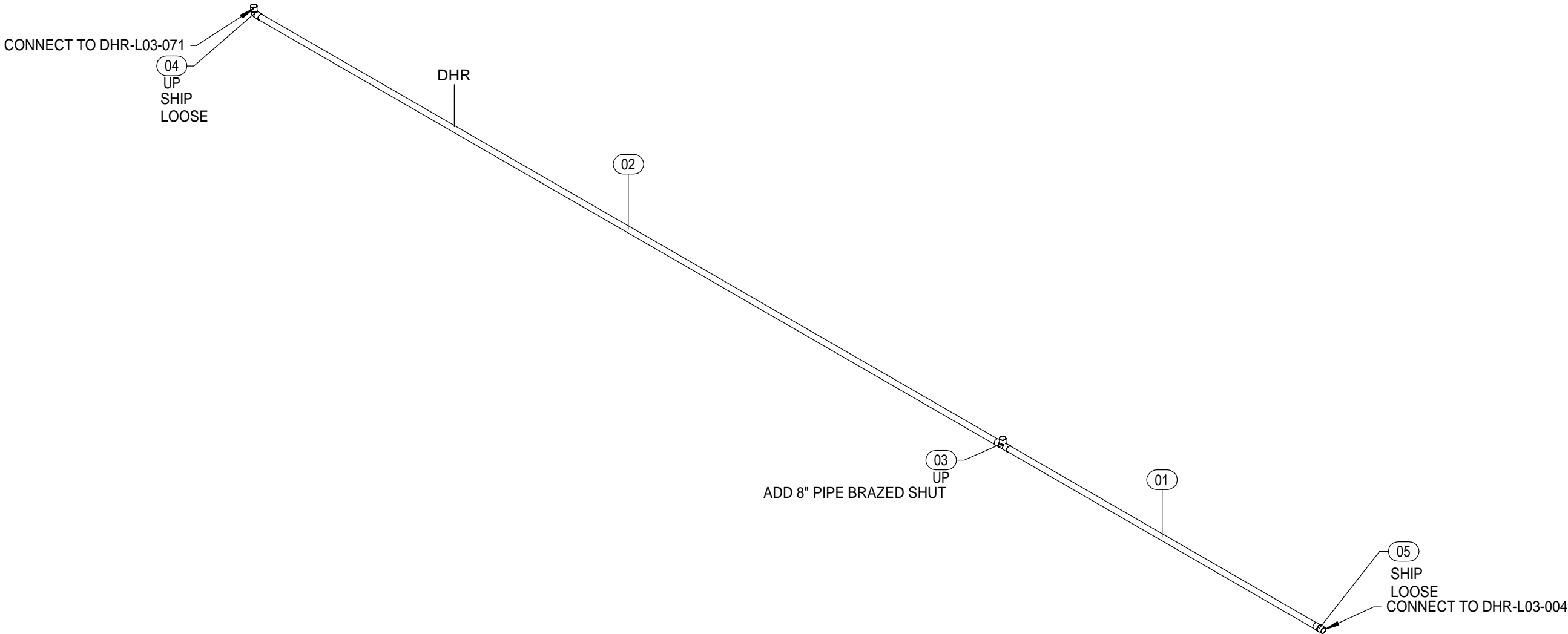
DATE REQ: 08/20/21



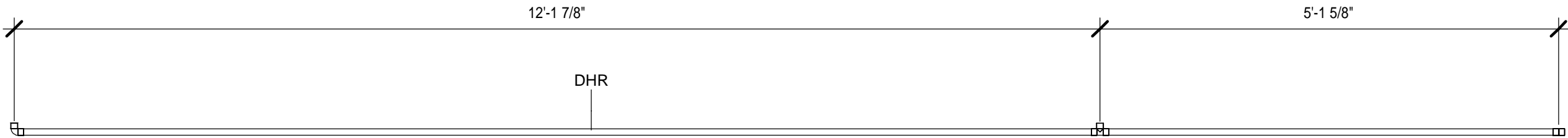
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
20-08-2021 16:23:09

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	5'-1 3/16"				1"
02	1	3/4"	Cerro Type L Hard Copper Pipe	12'-0 15/16"				1"
03	1	3/4"	Nibco Wrot 611 CxCxC Tee					1"
04	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
05	1	3/4"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



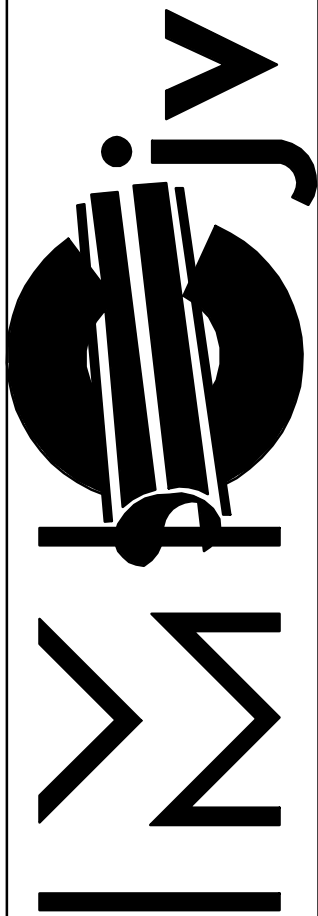
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

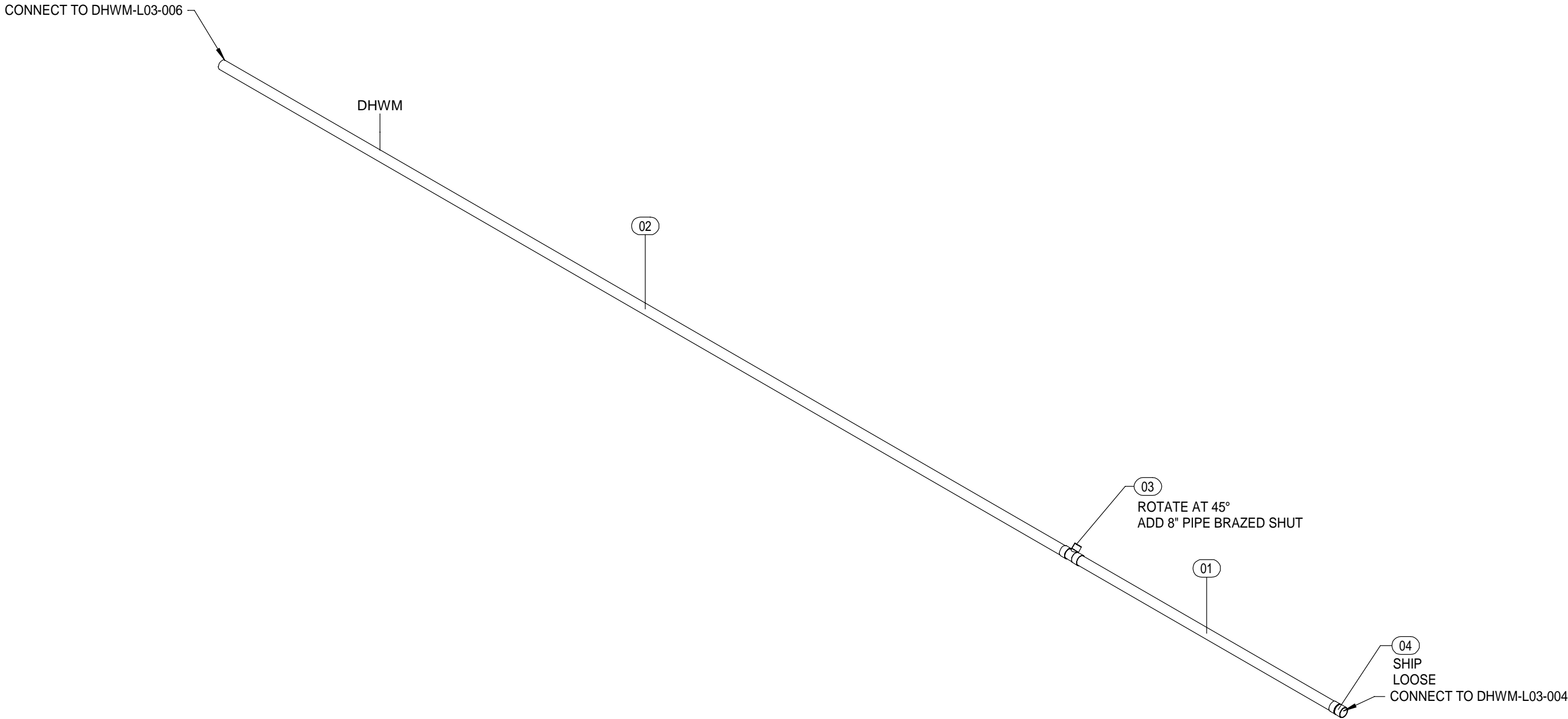
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TICKET: DHR-L03-005
Drawn By: Author
DATE: 08/20/21
DATE REQ:



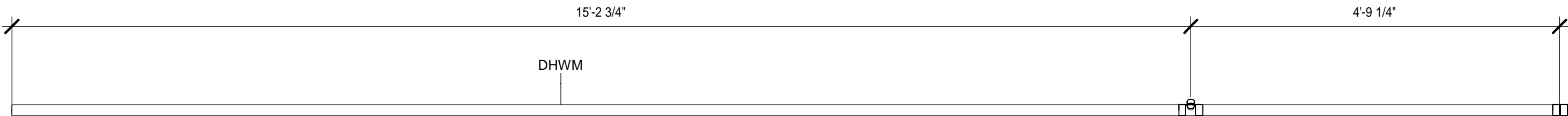
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_PLF.rvt
20-08-2021 17:03:29

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-8 7/16"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	15'-2"				2"
03	1	1 1/2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					2"
04	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					2"



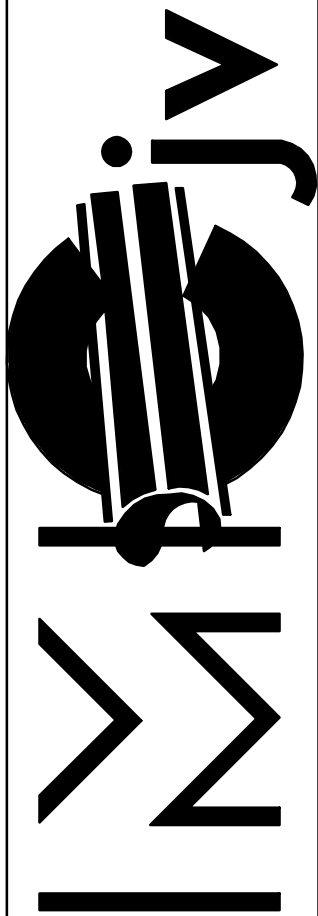
1 ISOMETRIC
SCALE:



2 FRONT ELEVATION
SCALE: 3/4\"/>

A1	A3	B1	B3
A2	A4	B2	B4

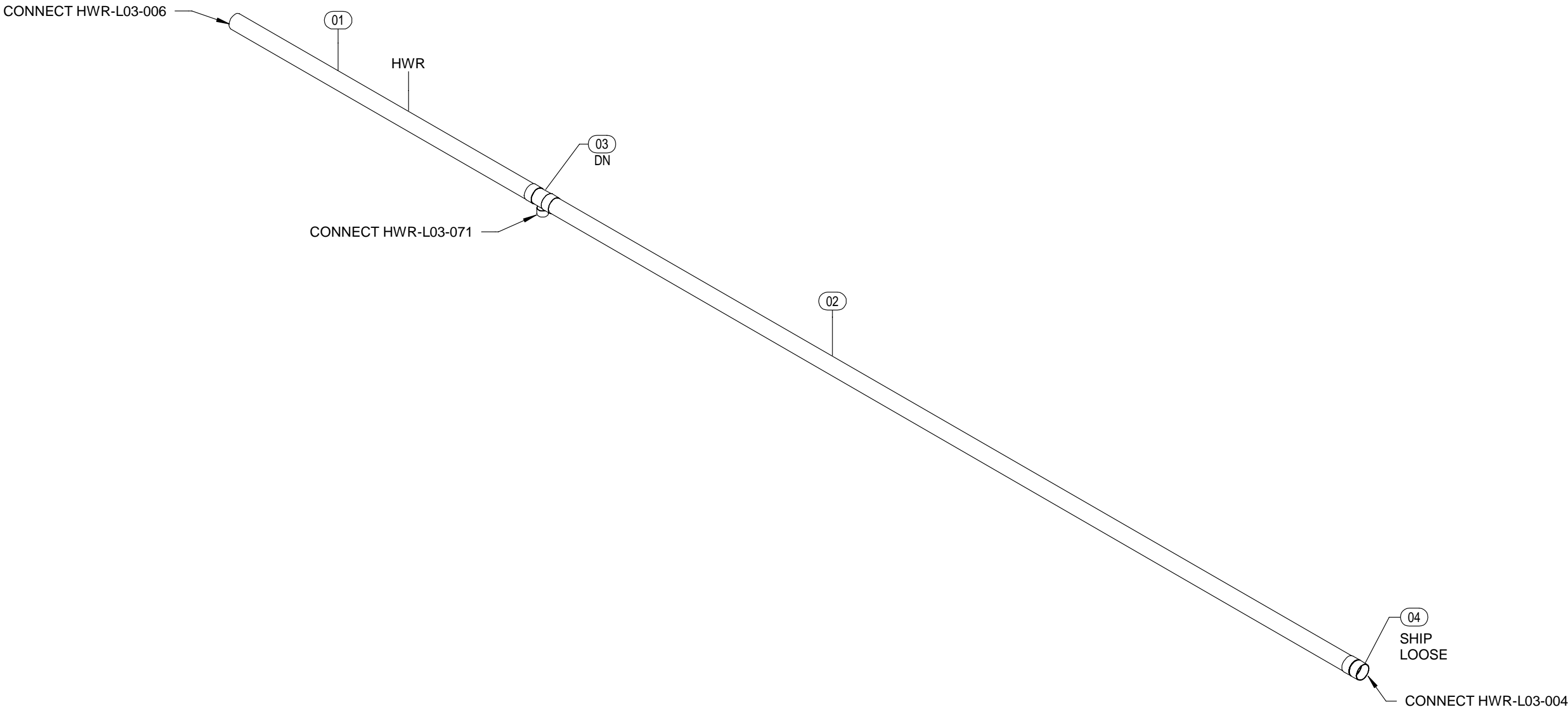
JOB:	WASH U NRB
TICKET:	DHWM-L03-005
Drawn By: Author	
DATE: 08/20/21	DATE REQ:



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05-08-2021 15:00:30

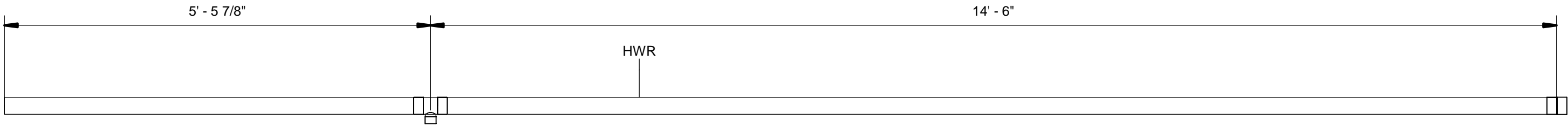
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2 1/2"	Cerro Type K Hard Copper Pipe	5'-4 3/4"				1 1/2"
02	1	2 1/2"	Cerro Type K Hard Copper Pipe	14'-4 15/16"				1 1/2"
03	1	2 1/2"x1 1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
04	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



1

ISOMETRIC

SCALE:



2

FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

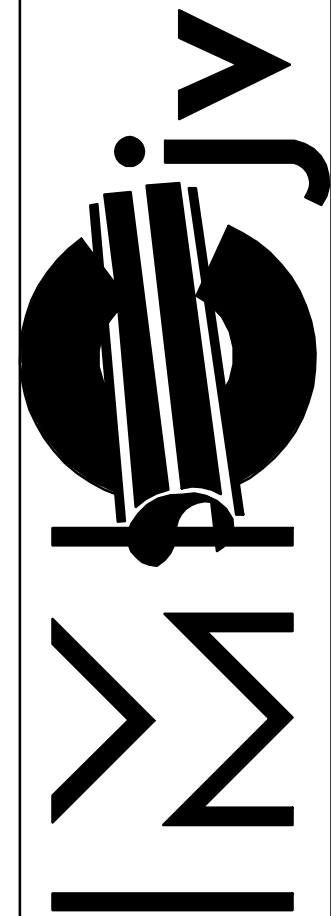
JOB: WASH U NRB

TICKET: HWR-L03-005

Drawn By: Author

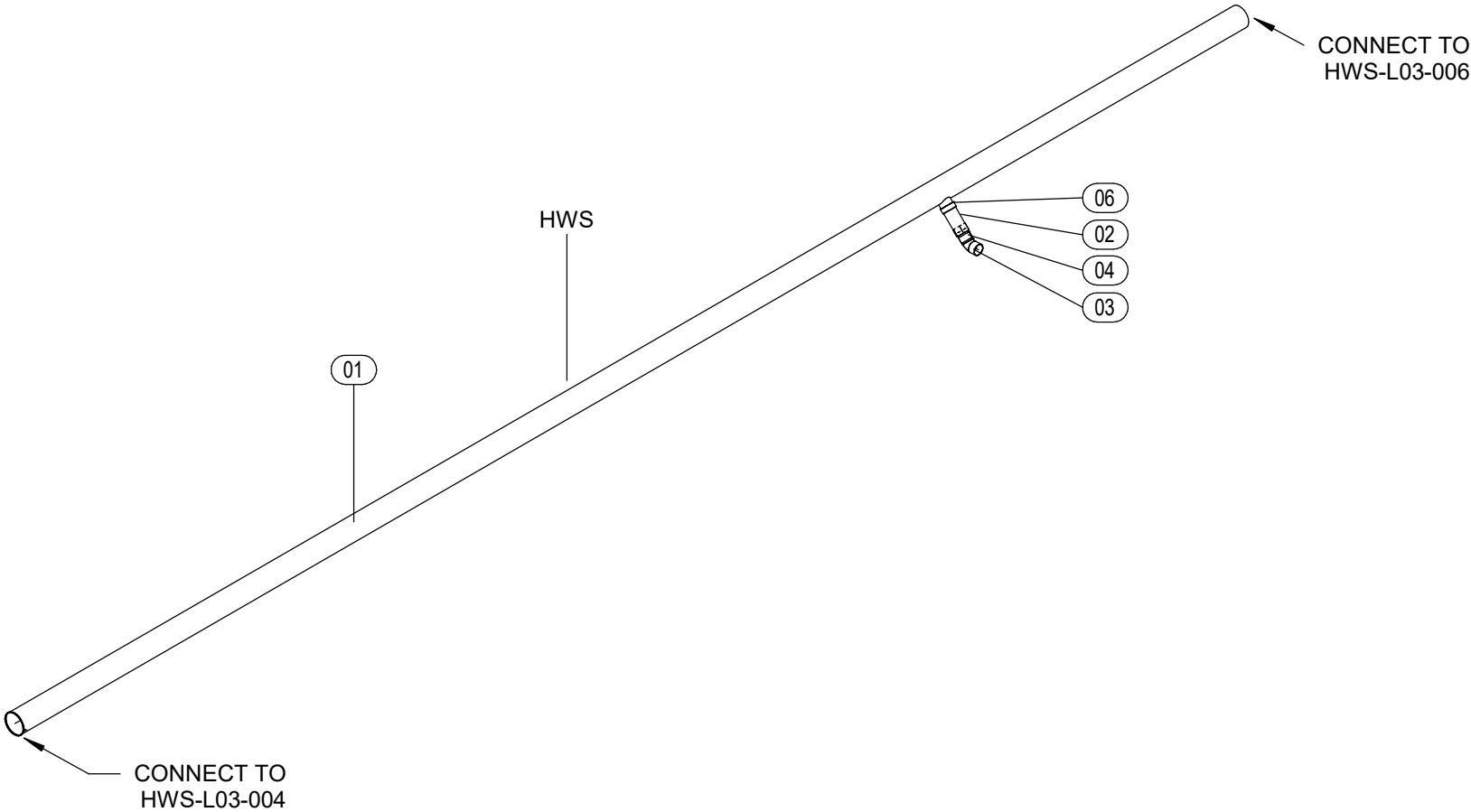
DATE: 08/05/21

DATE REQ:



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

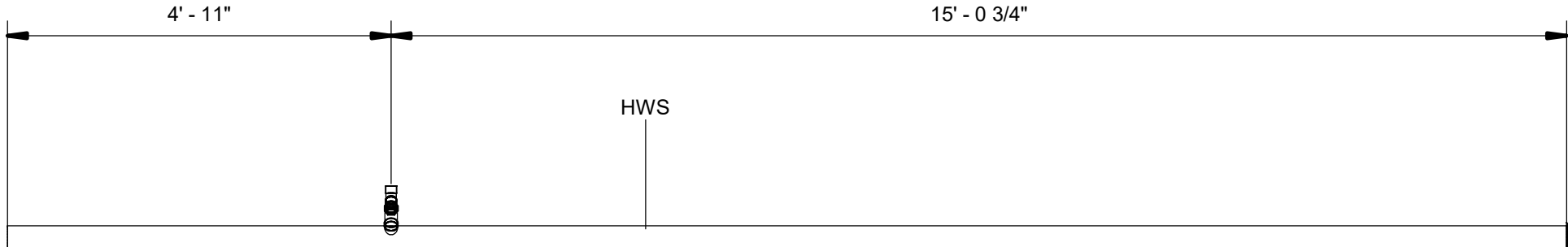
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
9/21/2021 3:18:39 PM



Mark	Qty	Size	Description	Length	Strut Length	Rob 1	Rob 2	Insulation
01	1	3"	Chicago Area Sch 40 SA-53B CS ERW Pipe PE	19'-11 3/4"				1 1/2"
02	1	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					1 1/2"
03	1	1 1/2"	Nibco Wrot 606 45 Deg Ell CxC					1 1/2"
04	1	1 1/2"	Nibco Wrot 603 Adapter CxF					1 1/2"
05	1	3"	Generic CS Sch40 Butt Weld Joint					1 1/2"
06	1	3"x1 1/2"	Anvil 3000# FS Thread-O-Let					1 1/2"

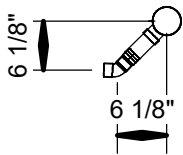
1 ISOMETRIC

SCALE:



2 TOP VIEW

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

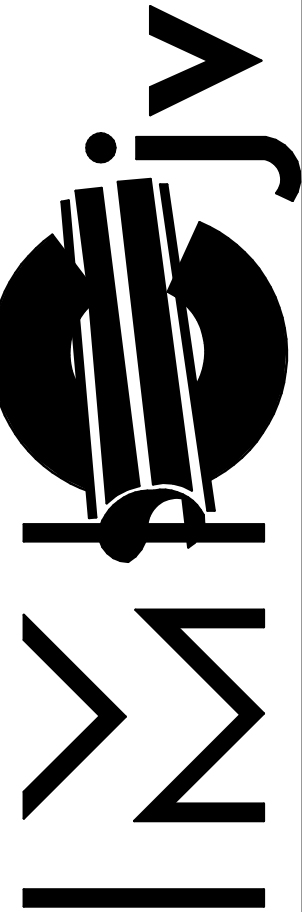


3 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

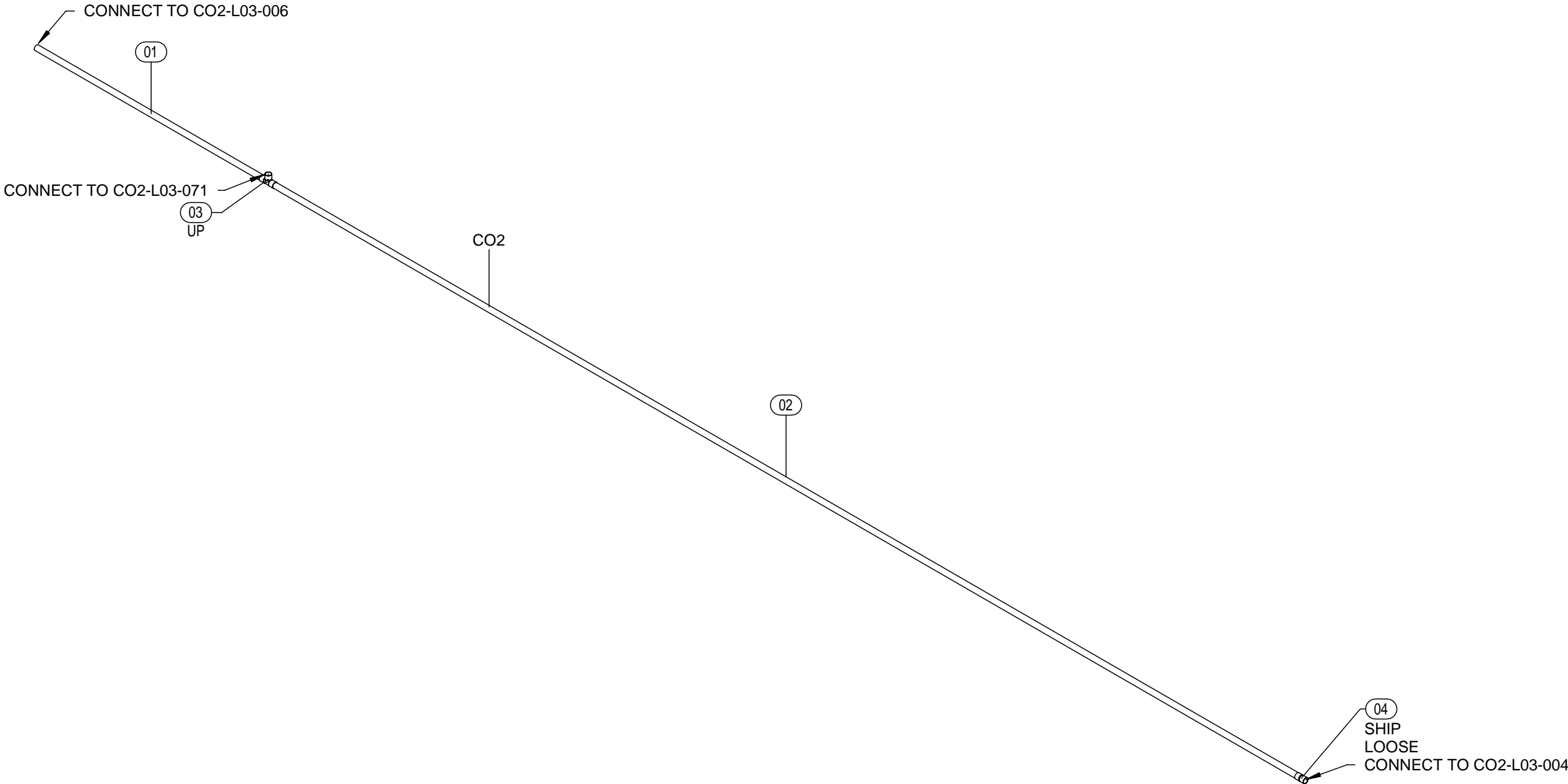
JOB: WASH U NRB
TICKET: HWS-L03-005
Drawn By: Author
DATE: 09/21/21 DATE REQ:



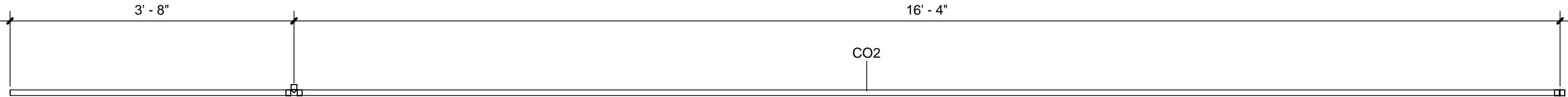
1233 N. Price Rd.
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314-997-6600 phone

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19-08-2021 15:17:10

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-7 7/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	16'-3 7/16"				
03	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
04	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



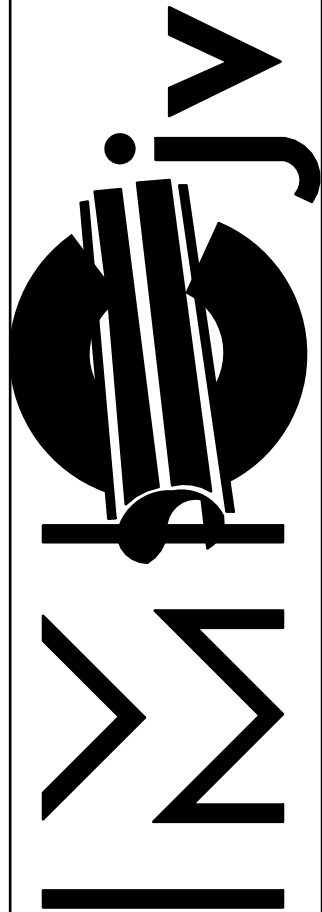
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

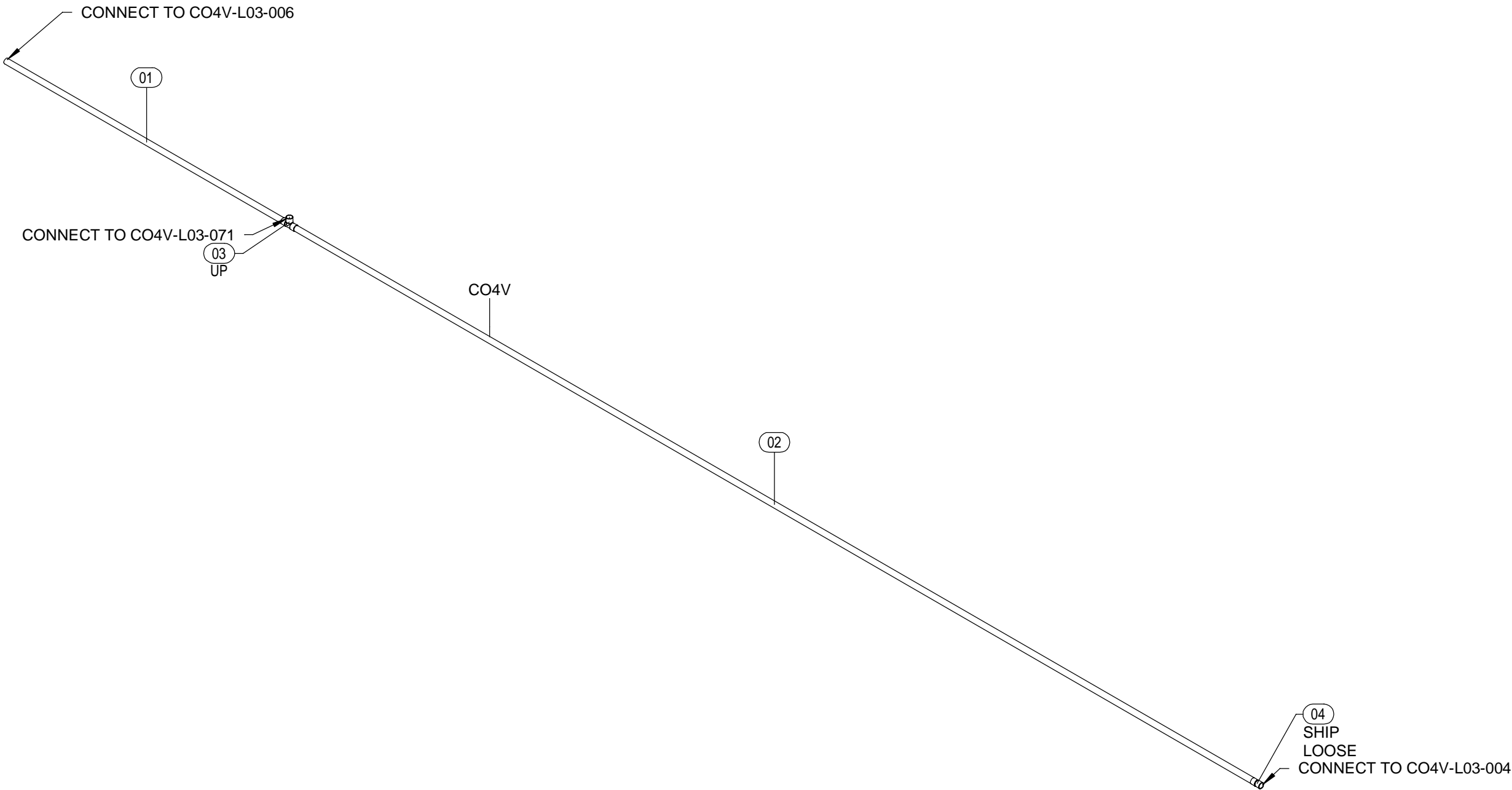
JOB:	WASH U NRB
TICKET:	CO2-L03-005
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



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BIM 360//WUSM NRBWUSM_RB_PUF.rvt
19-08-2021 10:24:25

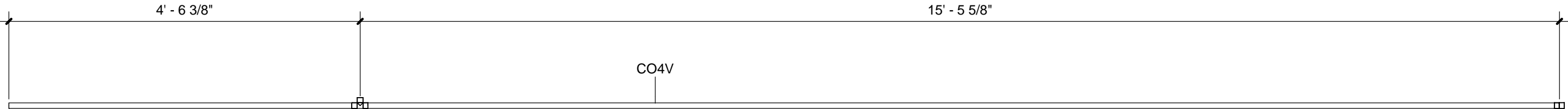
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-5 13/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	15'-5 1/16"				
03	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
04	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1

ISOMETRIC

SCALE:



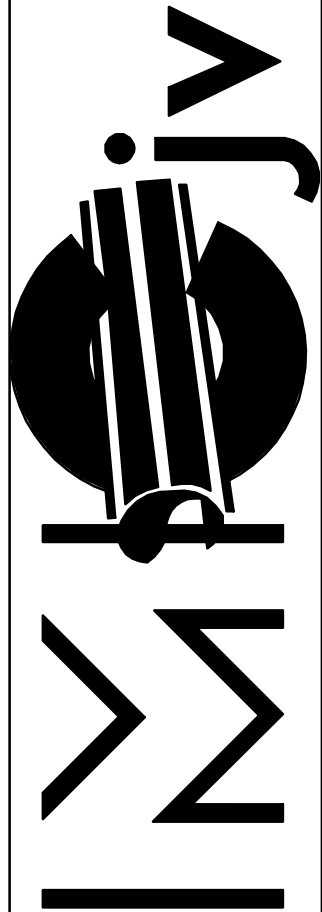
2

FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

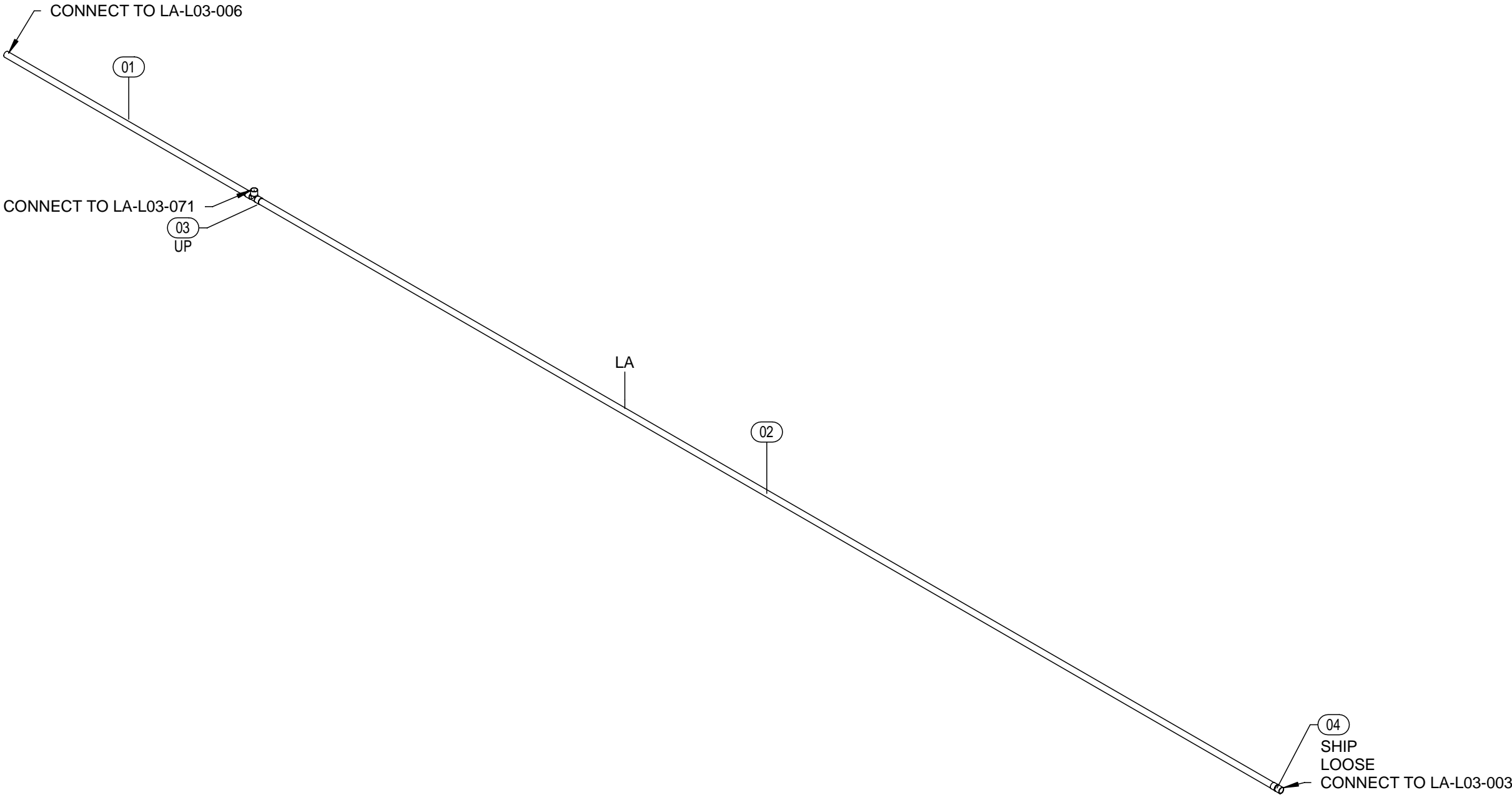
JOB:	WASH U NRB
TICKET:	CO4V-L03-005
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



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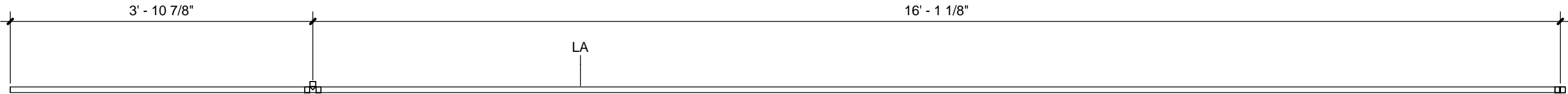
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19-08-2021 17:37:39

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	16'-0 9/16"				
03	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
04	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1 ISOMETRIC

SCALE:

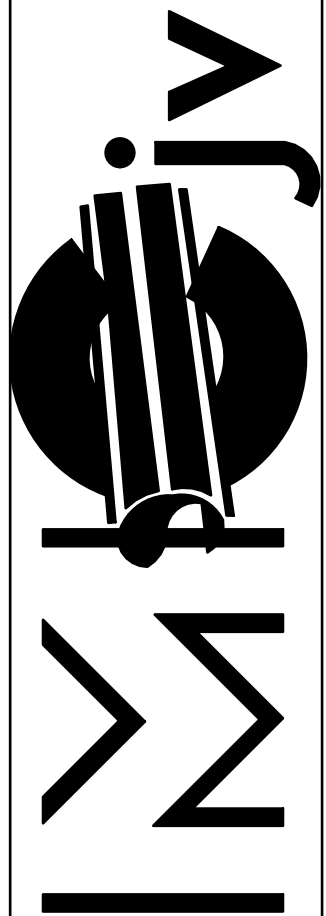


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

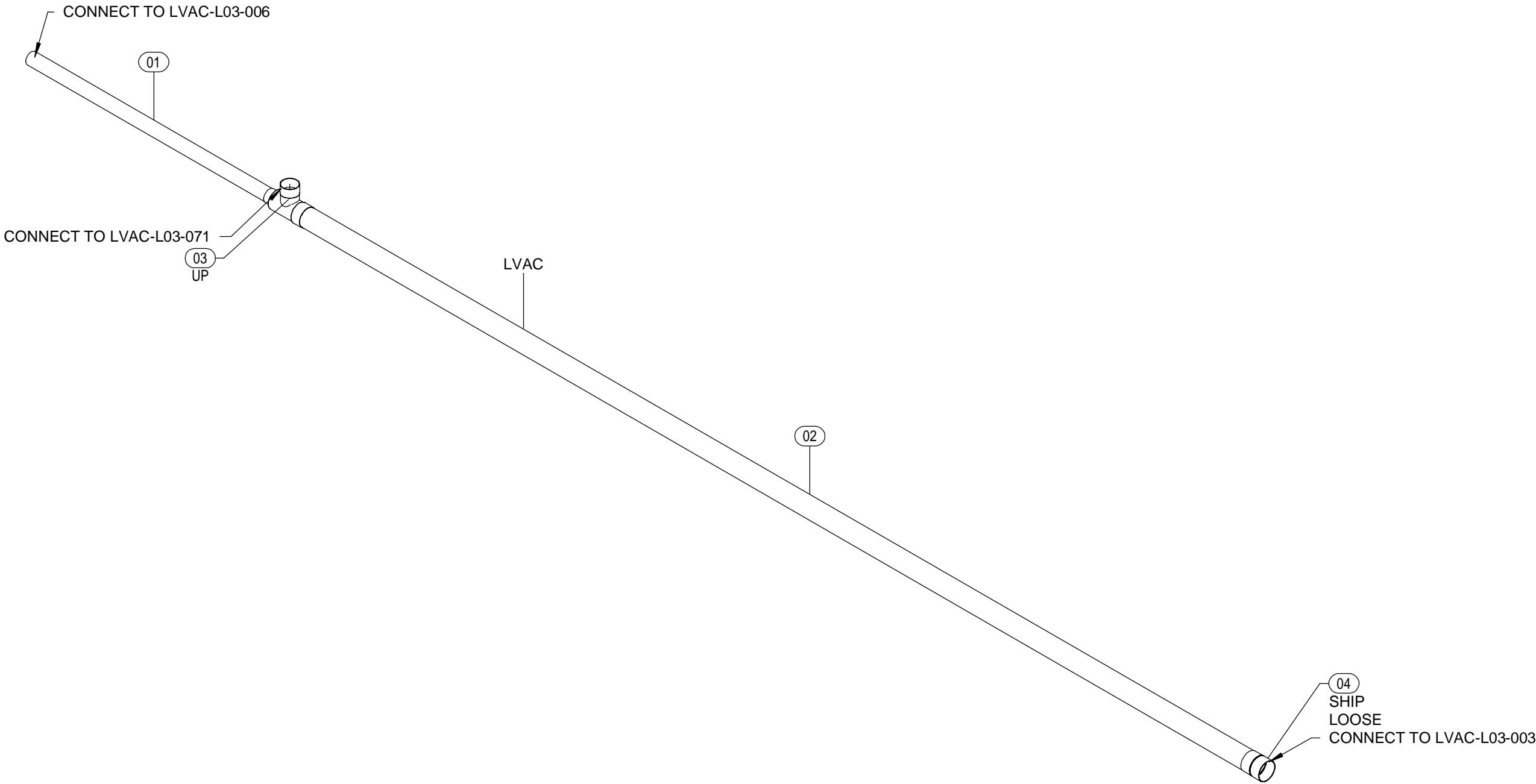
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TICKET: LA-L03-005
Drawn By: Author
DATE: 08/19/21
DATE REQ:



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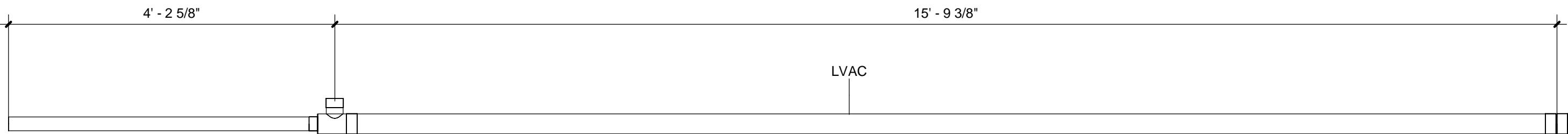
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19-08-2021 10:43:47

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	3'-11 15/16"				
02	1	3"	Cerro Type L Hard Copper - CFOS	15'-7 1/2"				
03	1	3"x2 1/2"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
04	1	3"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1 ISOMETRIC

SCALE:

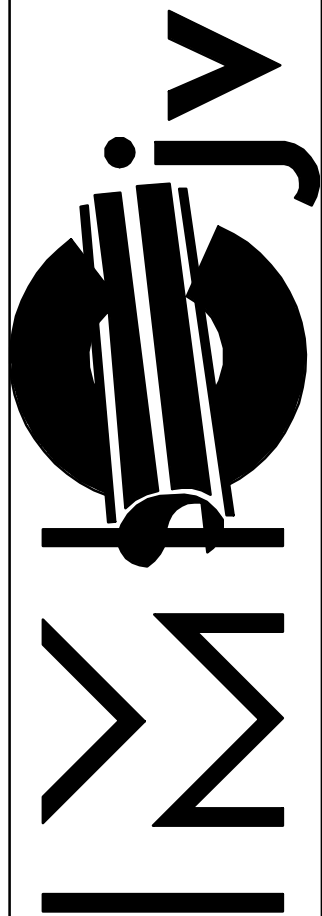


2 FRONT ELEVATION

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

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A2	A4	B2	B4

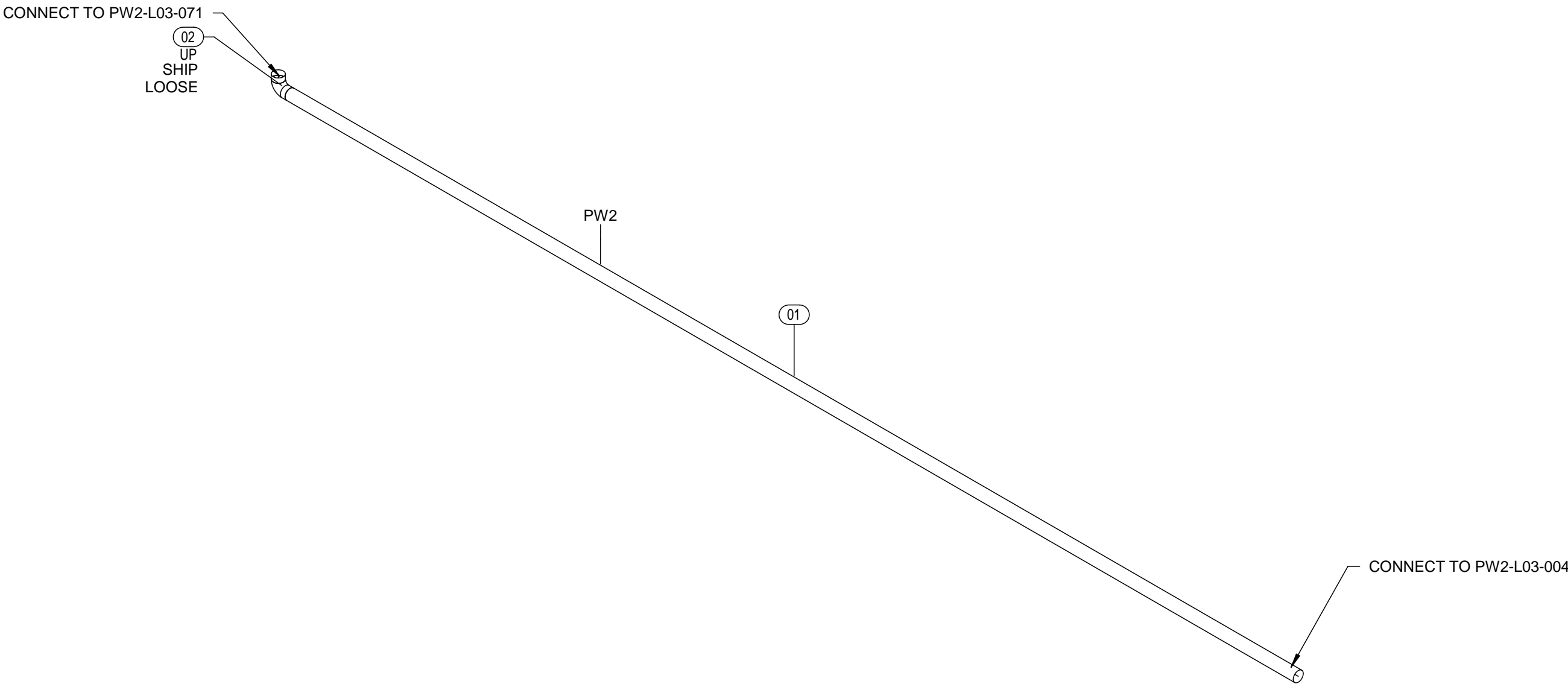
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TICKET:	LVAC-L03-005
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



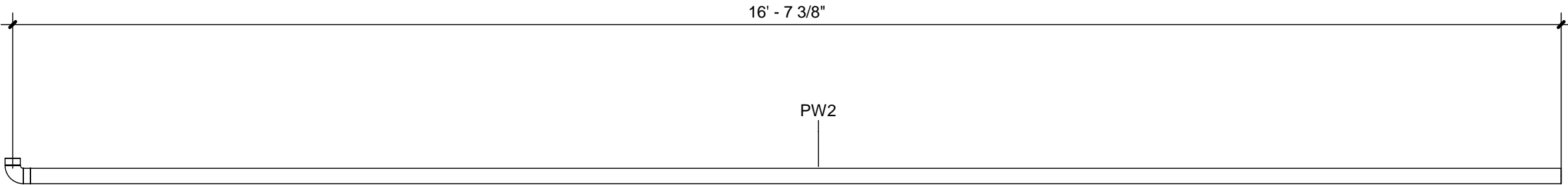
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18-08-2021 17:33:13

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	16'-5 1/8"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow					



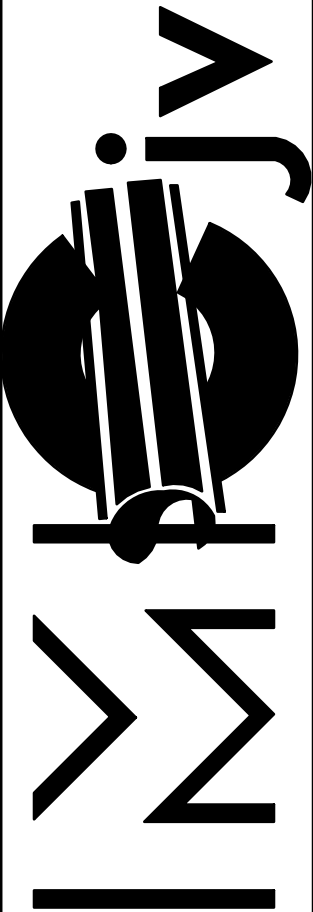
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW2-L03-005
Drawn By: Author	
DATE: 08/18/21	DATE REQ:



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