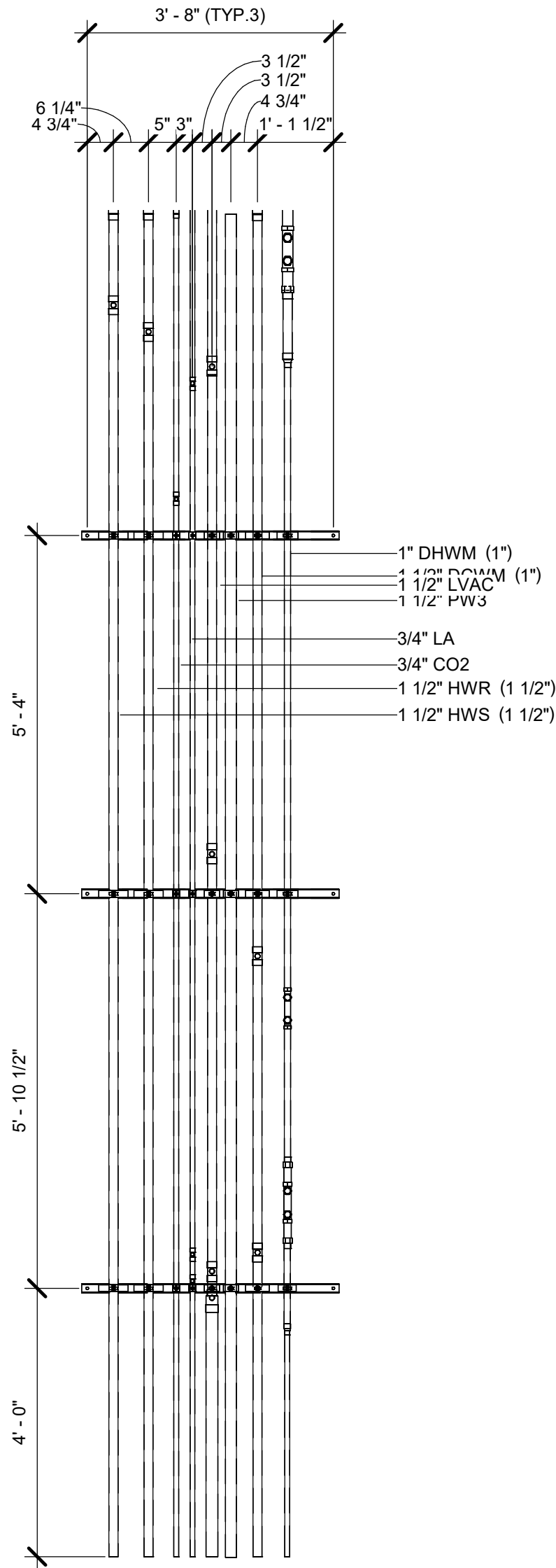
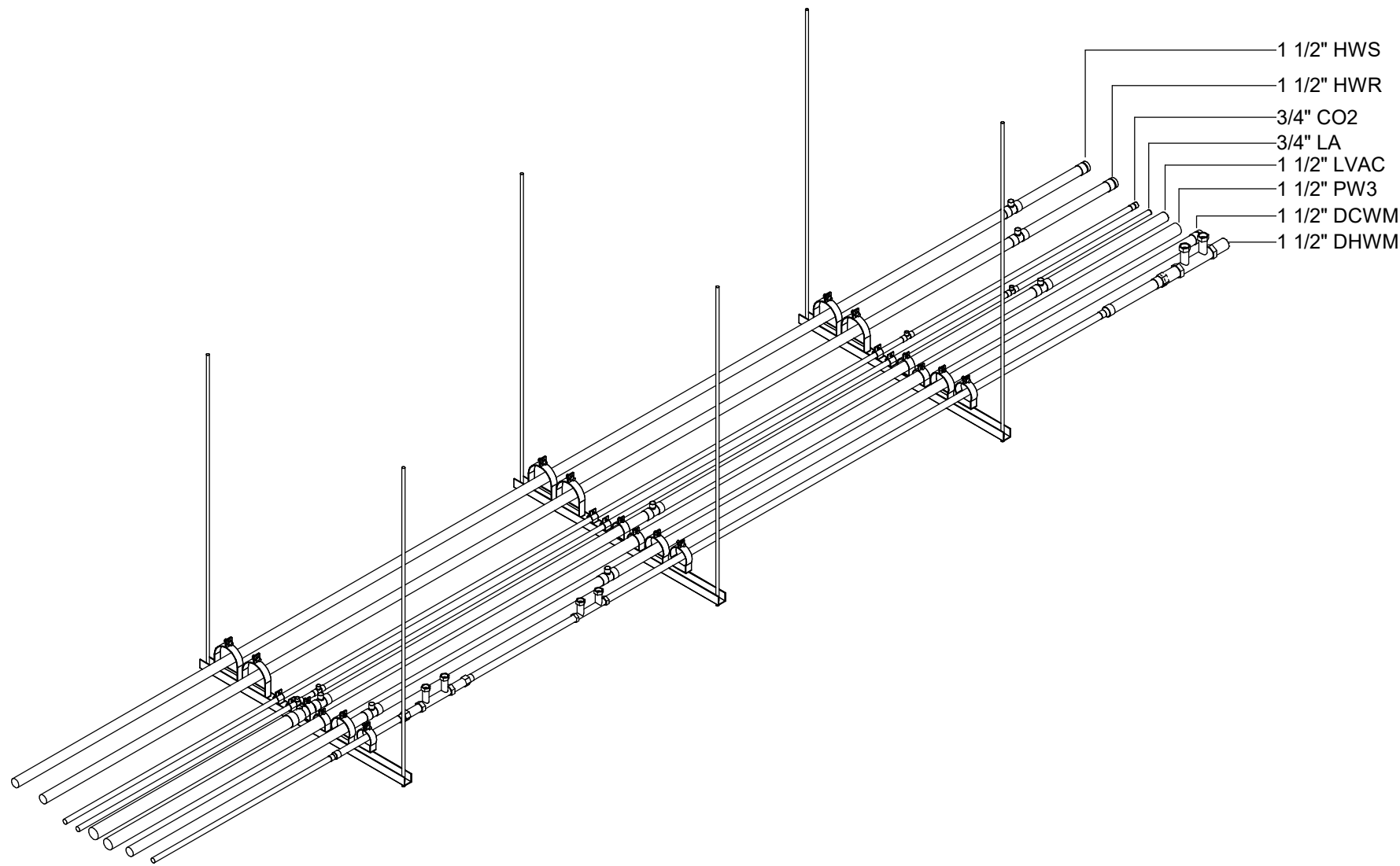


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12/17/2021 11:31:42 AM



1 AS-L07-069 - ISOMETRIC
AS-L07-069 SCALE:

2 AS-L07-069
AS-L07-069 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L07-069
Drawn By: Author
DATE: 11/24/21 DATE REQ:



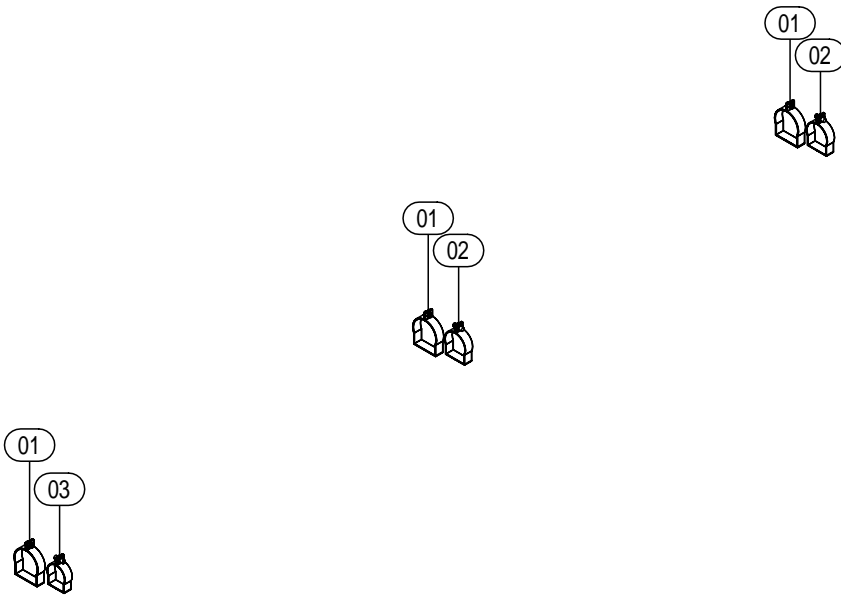
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

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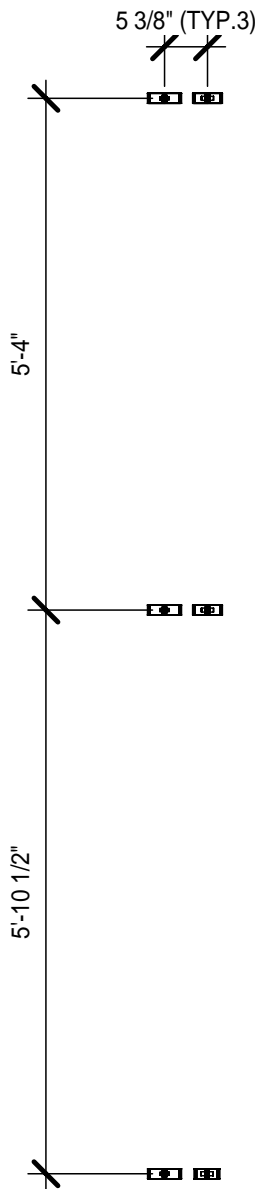
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	3	3.63"	B Line B2000 Series - OD Pipe and Conduit		0"		0"	
02	2	3.13"	B Line B2000 Series - OD Pipe and Conduit		0"		0"	
03	1	2.63"	B Line B2000 Series - OD Pipe and Conduit		0"		0"	

01 3 3 5/8" B Line #2050

02 3 3 1/8" B Line #2046



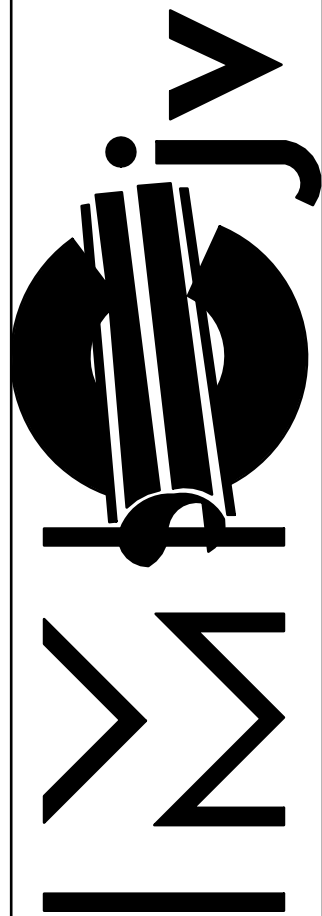
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

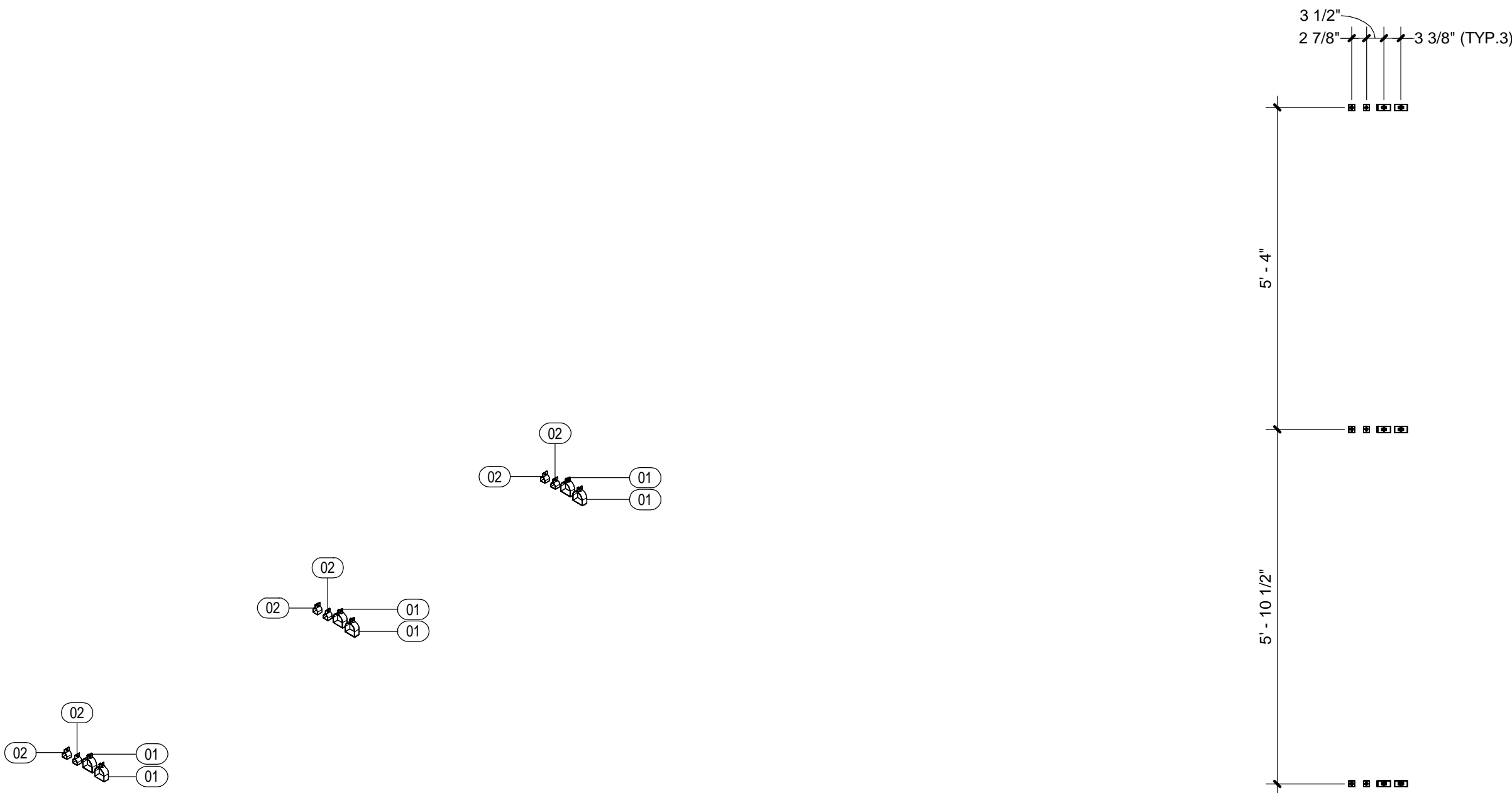
JOB:	WASH U NRB
TICKET:	PPHGR-L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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24-11-2021 11:38:29

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	6	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
02	6	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	

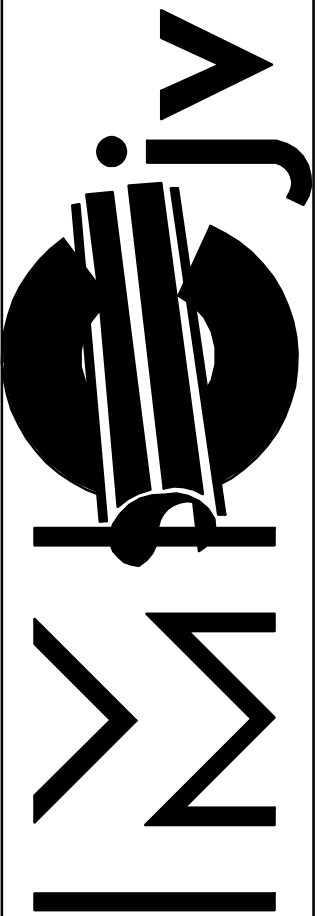


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PUHGR-L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:

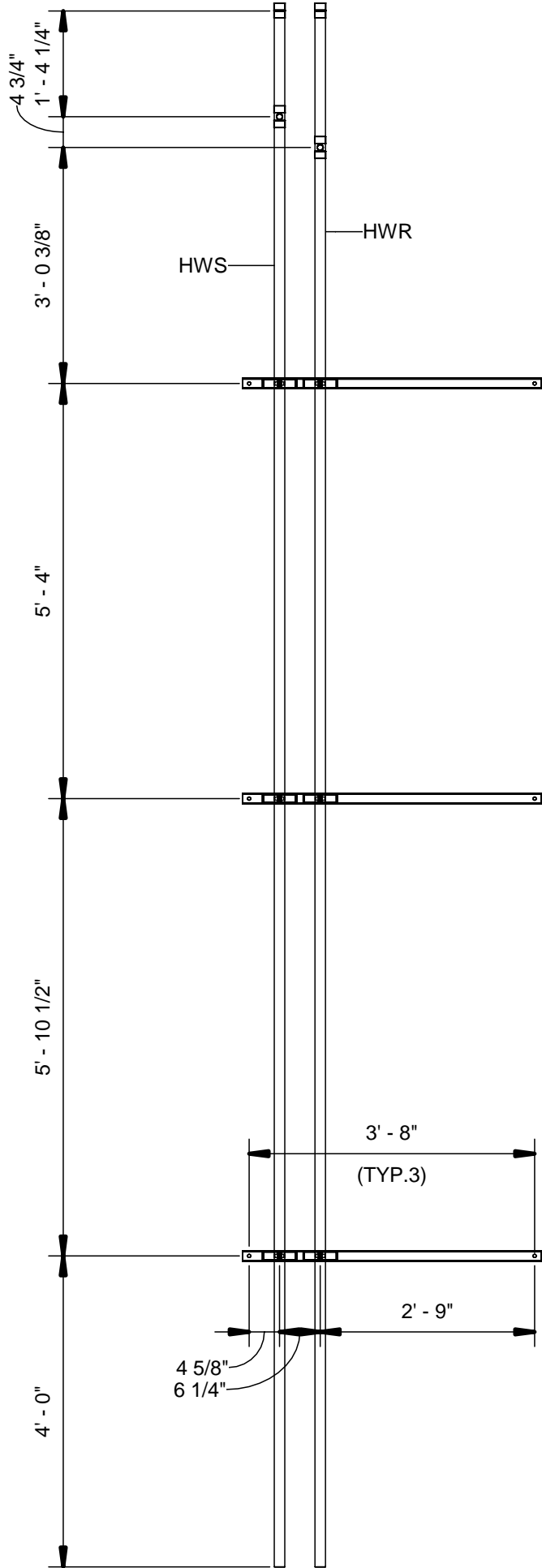
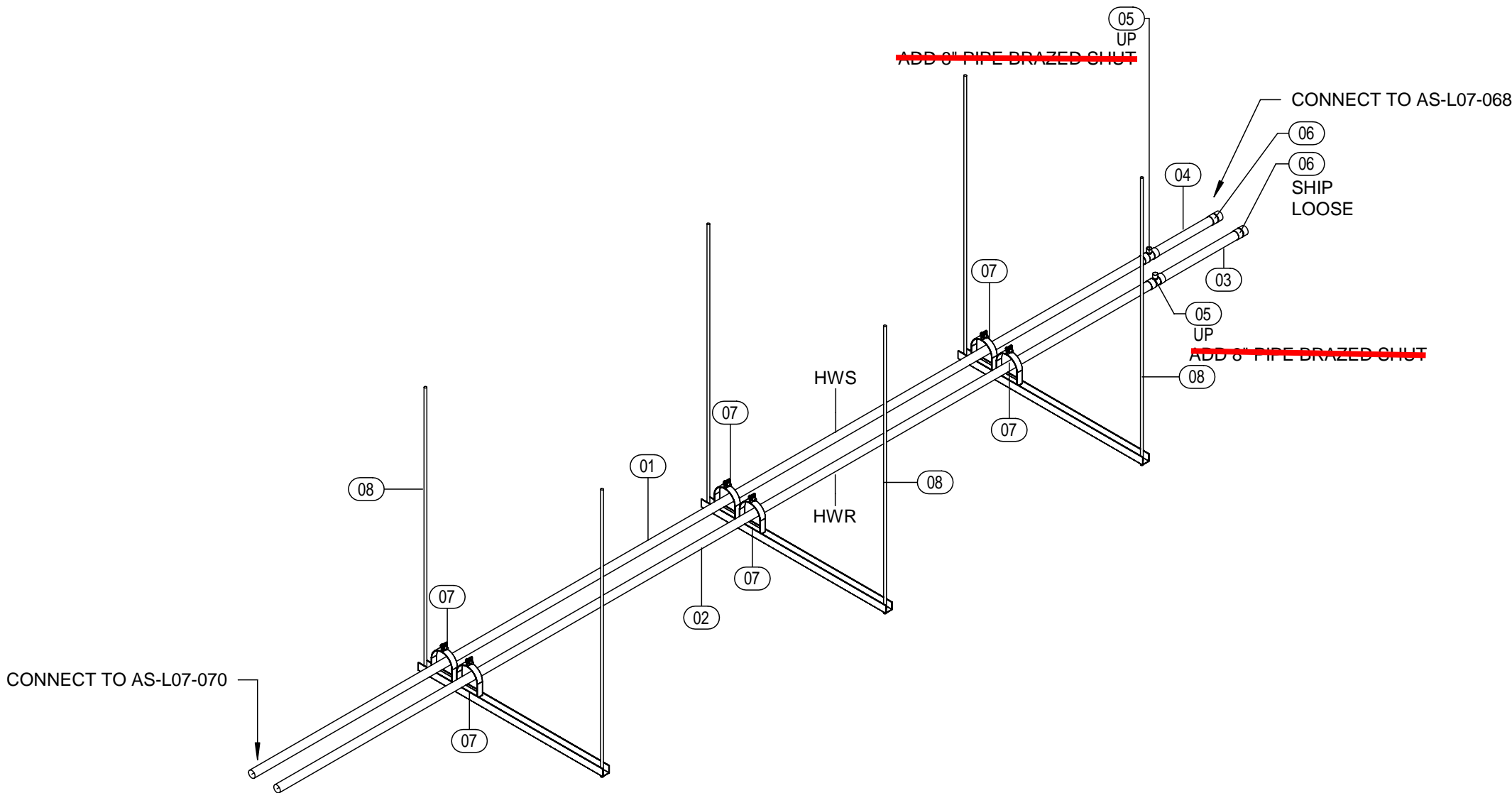


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24-11-2021 12:22:06

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	18'-7"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	18'-2 1/4"				1 1/2"
03	1	1 1/2"	Cerro Type K Hard Copper Pipe	1'-8 7/16"				1 1/2"
04	1	1 1/2"	Cerro Type K Hard Copper Pipe	1'-3 11/16"				1 1/2"
05	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
06	2	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"
07	6	4.5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"		0"	
08	3	42"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		3' - 10"	5' - 2"	5' - 2"	

07 6 4 5/8" B Line #2058

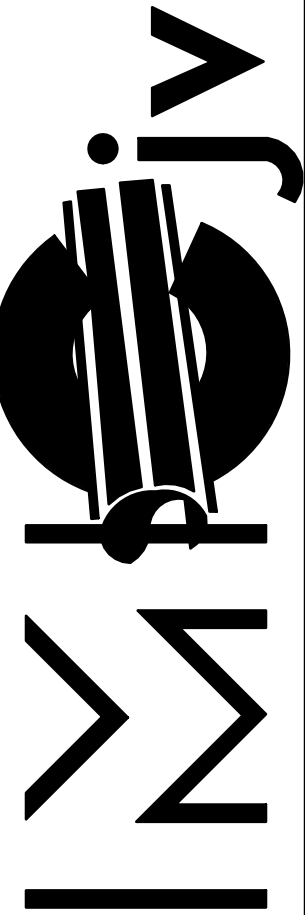


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

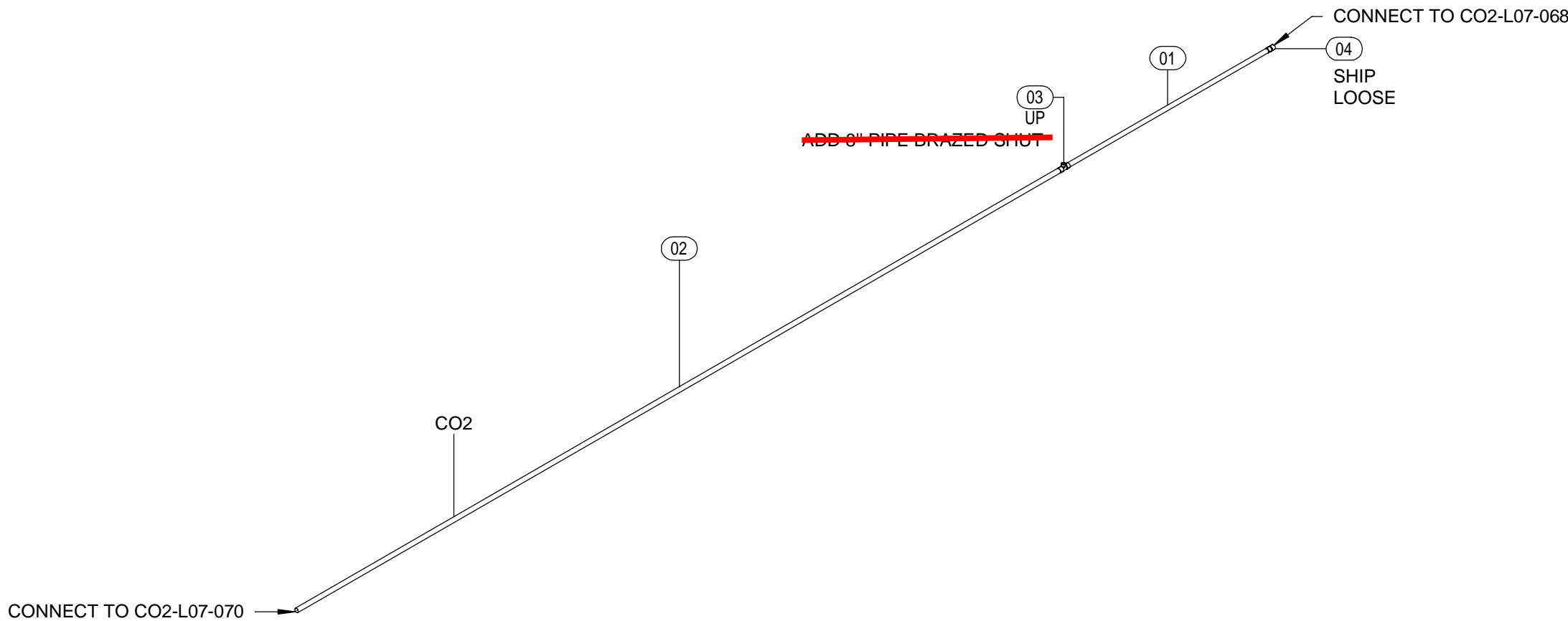
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TICKET: HP-L07-069
Drawn By: Author
DATE: 11/24/21
DATE REQ:



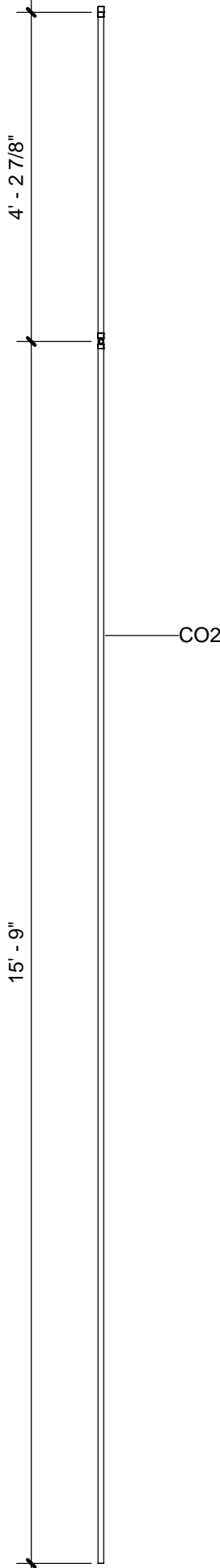
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24-11-2021 14:29:06

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-2 7/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	15'-8 5/8"				
03	1	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
04	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



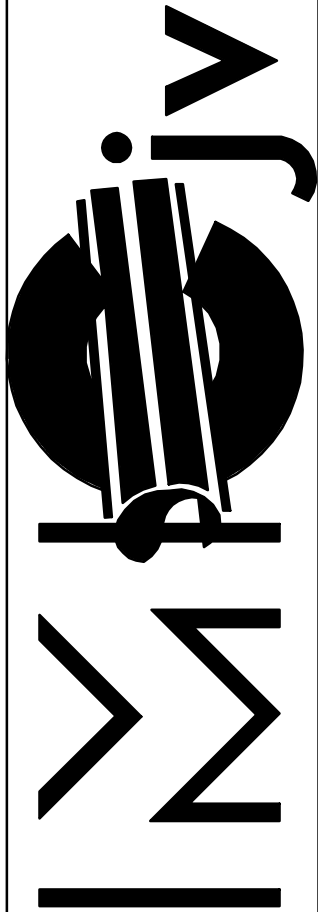
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

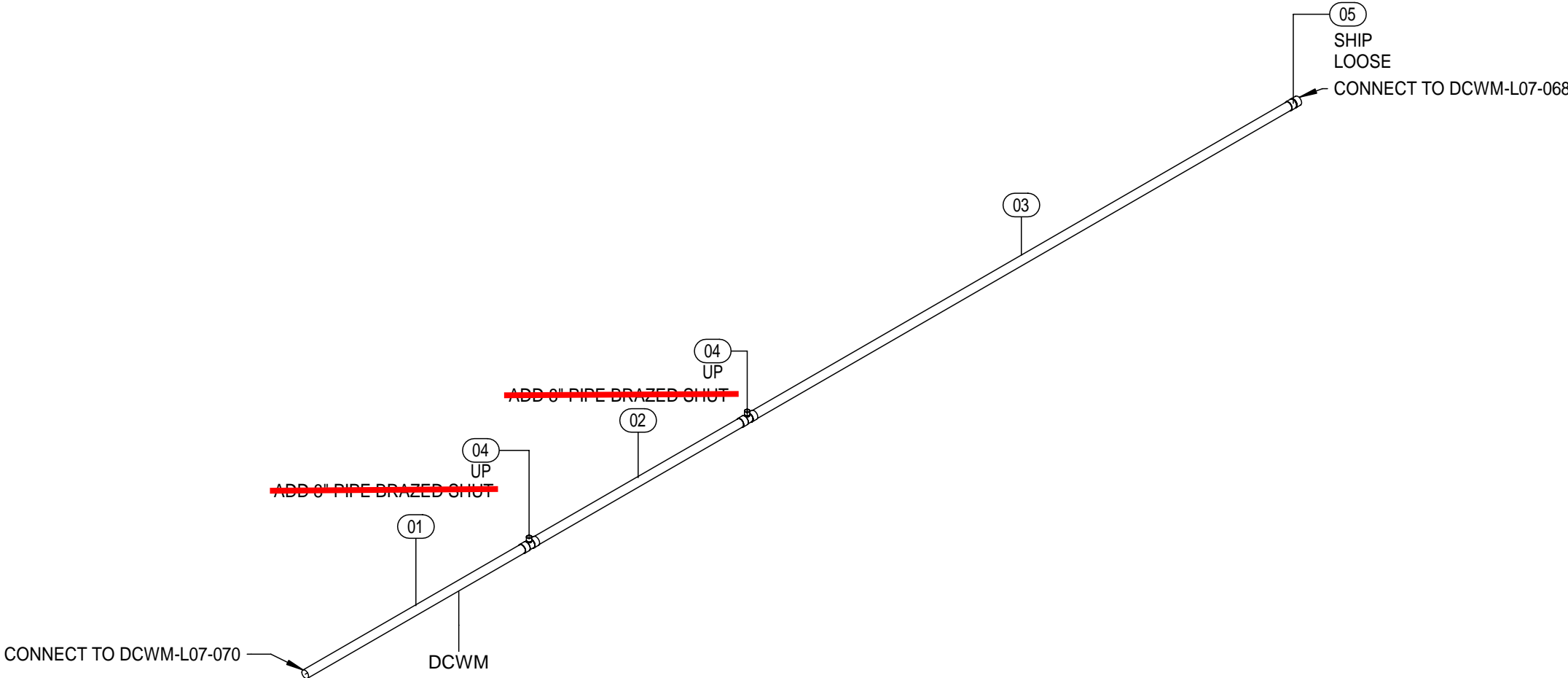
JOB:	WASH U NRB
TICKET:	CO2 -L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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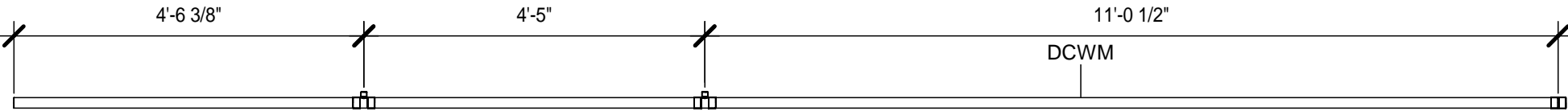
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24-11-2021 10:45:43 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-5 3/4"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-3 3/4"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	10'-11 7/8"				1"
04	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"
06	2	1 1/2"	Generic 95/5 Solder Joint					1"



1 ISOMETRIC

SCALE:

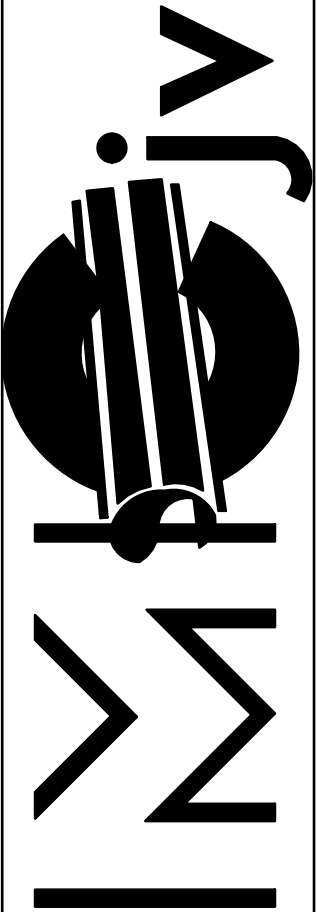


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

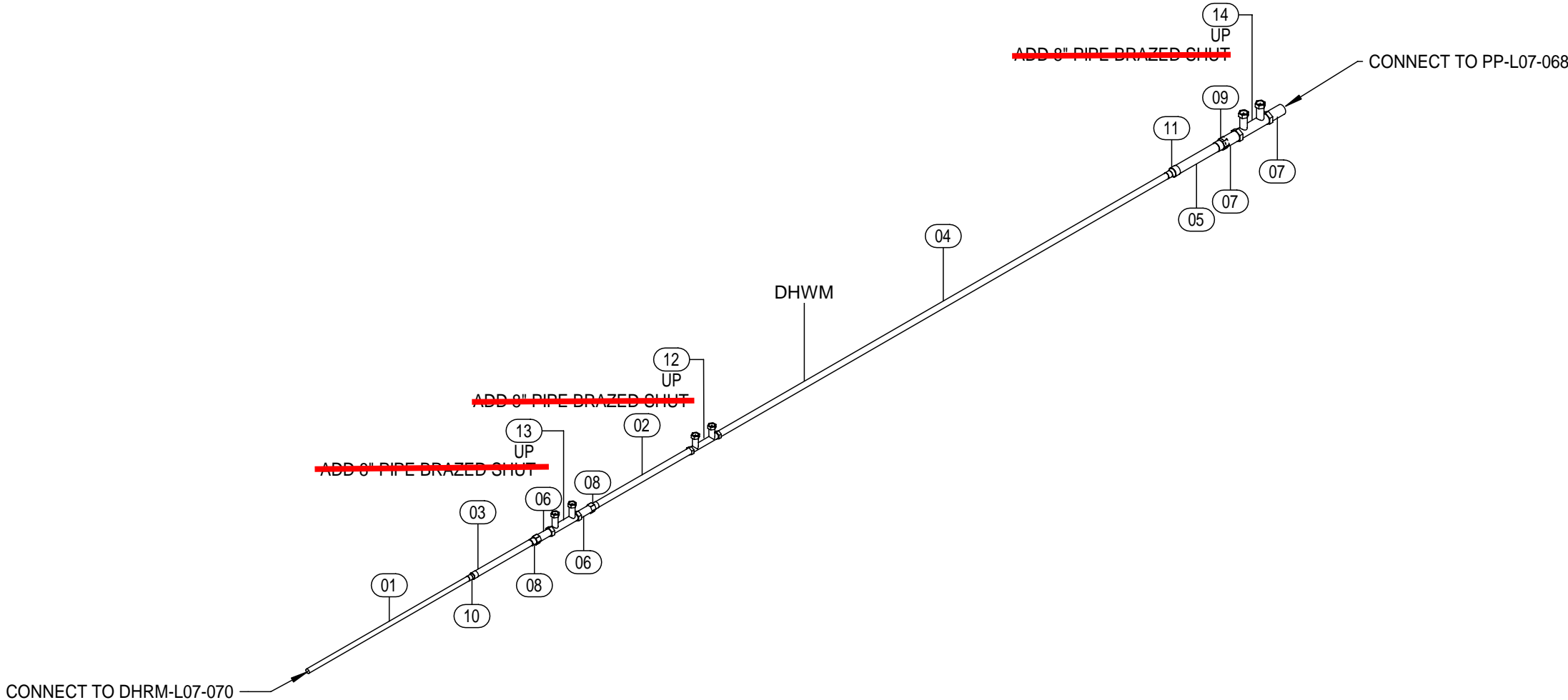
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TICKET:	DCWM-L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



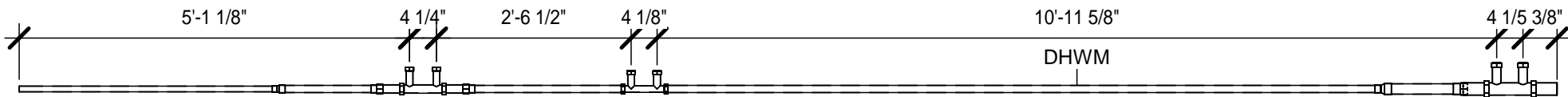
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24-11-2021 10:47:19 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	3'-4 7/16"				1"
02	1	1"	Cerro Type L Hard Copper Pipe	2'-0 3/8"				1"
03	1	1"	Cerro Type L Hard Copper Pipe	1'-3 1/4"				1"
04	1	1"	Cerro Type L Hard Copper Pipe	9'-4 5/16"				1"
05	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-11 7/8"				2"
06	2	1"	Victaulic No.647 TT Dielectric Transition Fitting					1"
07	2	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
08	2	1"	Nibco Wrot 603 Adapter CxF					1"
09	1	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
10	1	1"x3/4"	Nibco Wrot 600R Red Cplg CxC					1"
11	1	1 1/2"x1"	Nibco Wrot 600R Red Cplg CxC					2"
12	1	3/4"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					1"
13	1	1"x3/4"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					1"
14	1	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



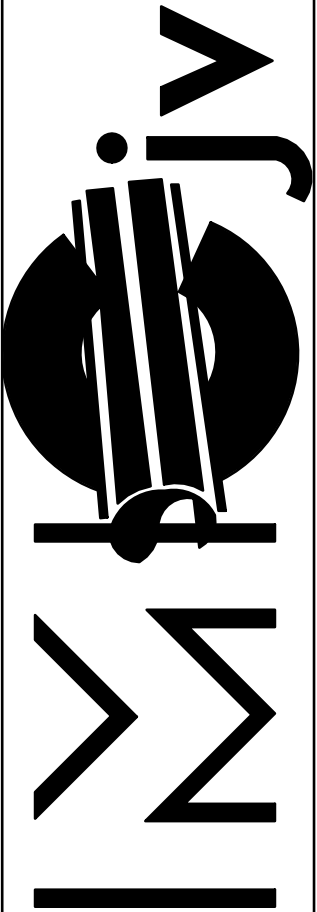
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

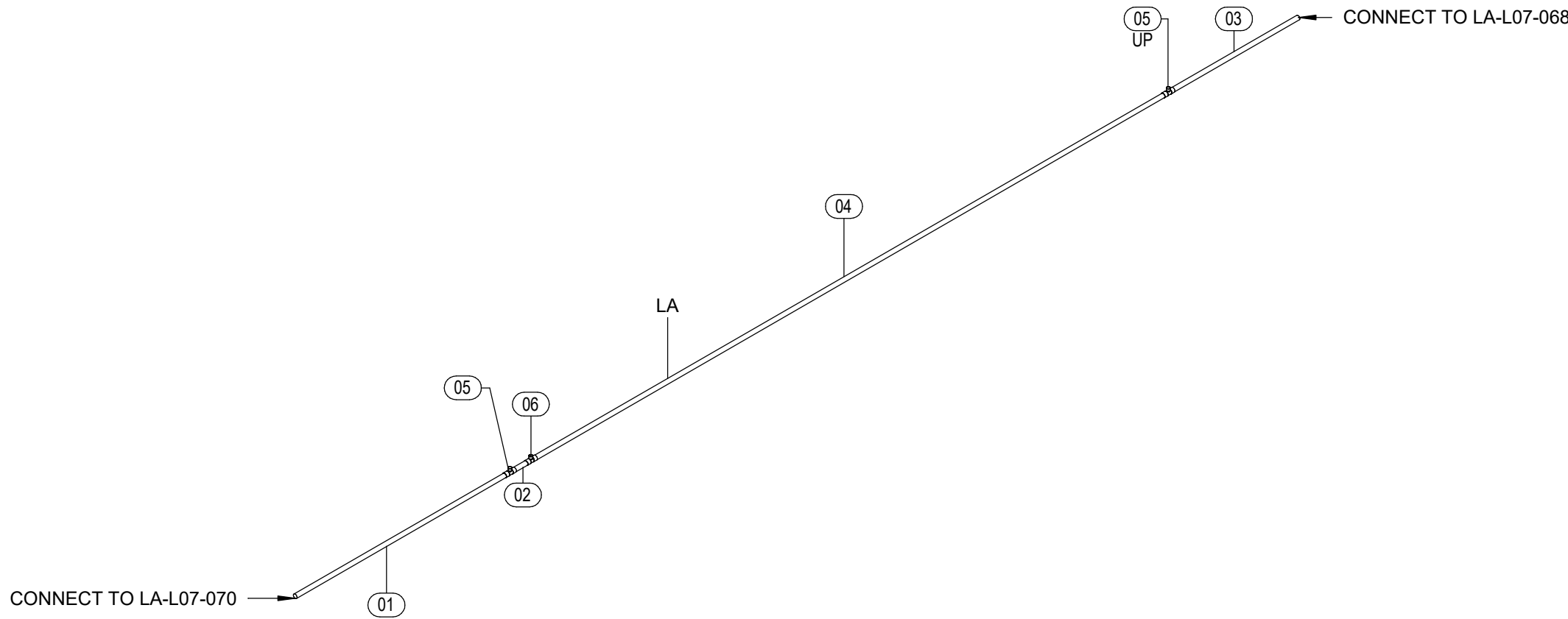
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TICKET:	DHWM-L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



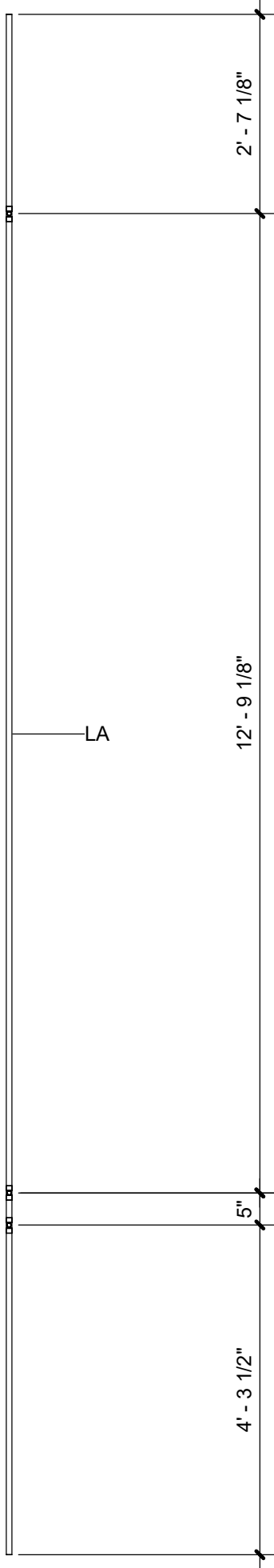
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2/9/2022 10:32:23 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-3"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-4 1/4"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-6 3/4"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	12'-8 1/4"	
05	2	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
06	1	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		



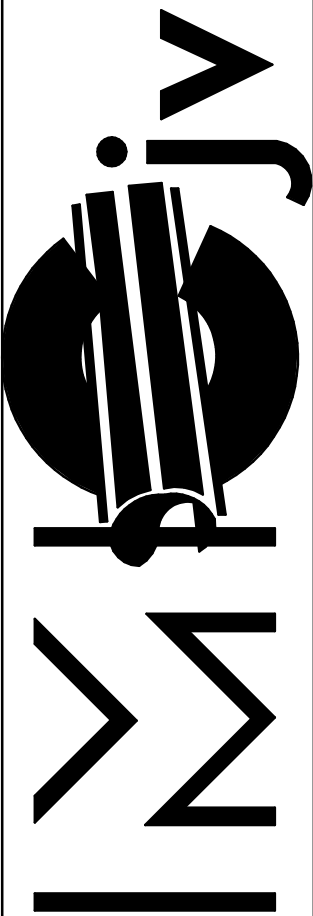
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

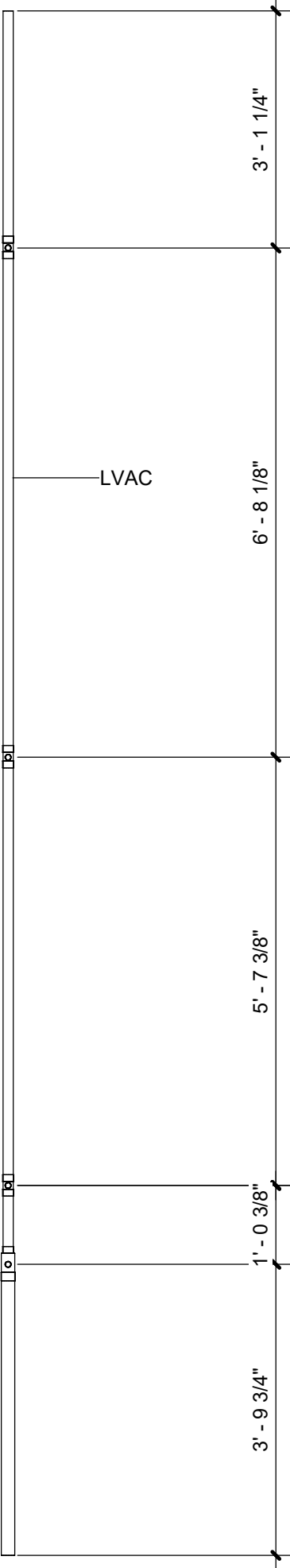
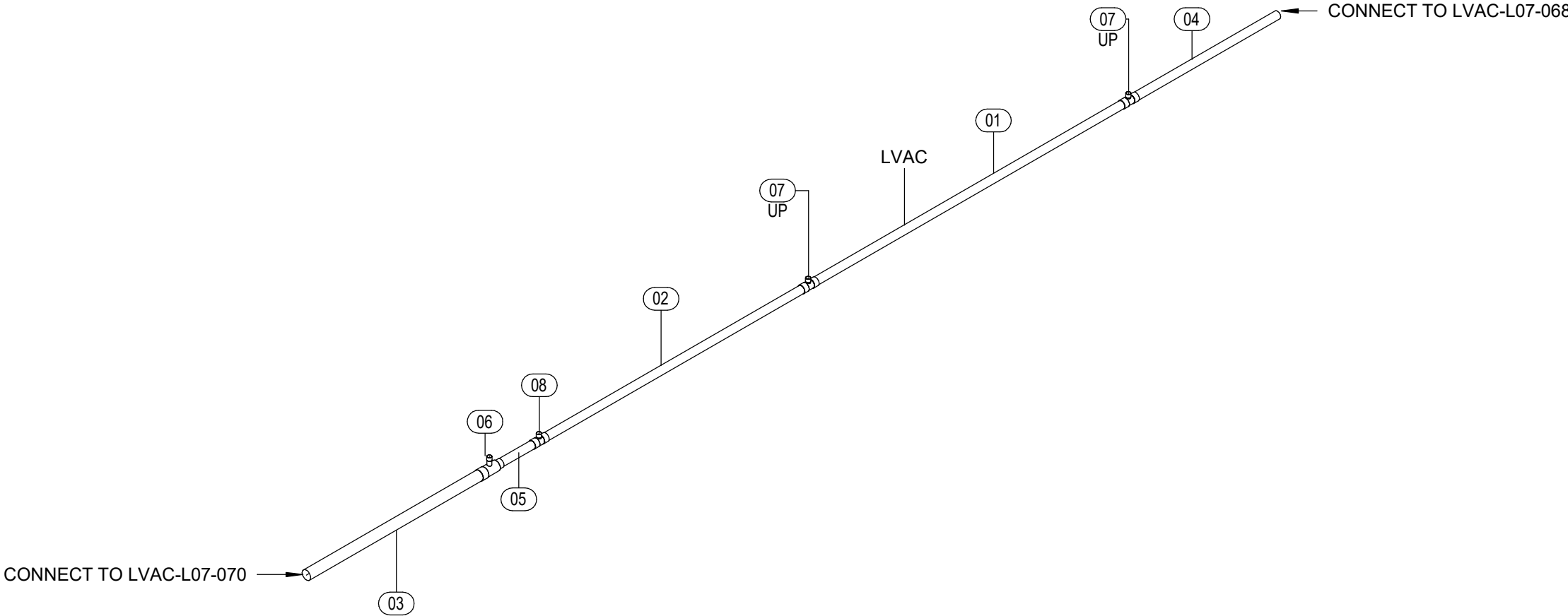
JOB:	WASH U NRB
TICKET:	LA -L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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2/9/2022 10:32:26 AM

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

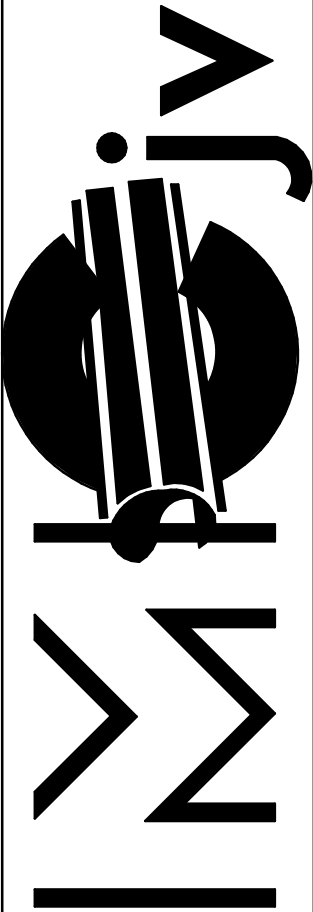


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

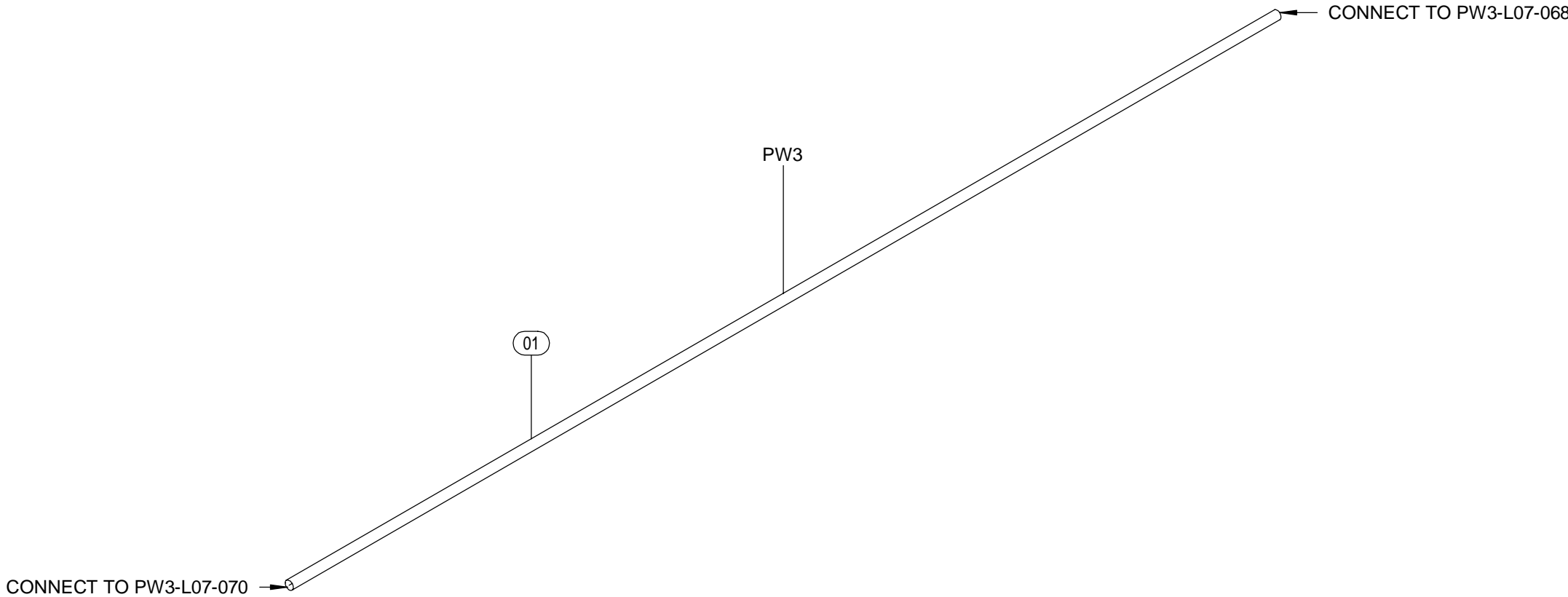
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TICKET:	LVAC -L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



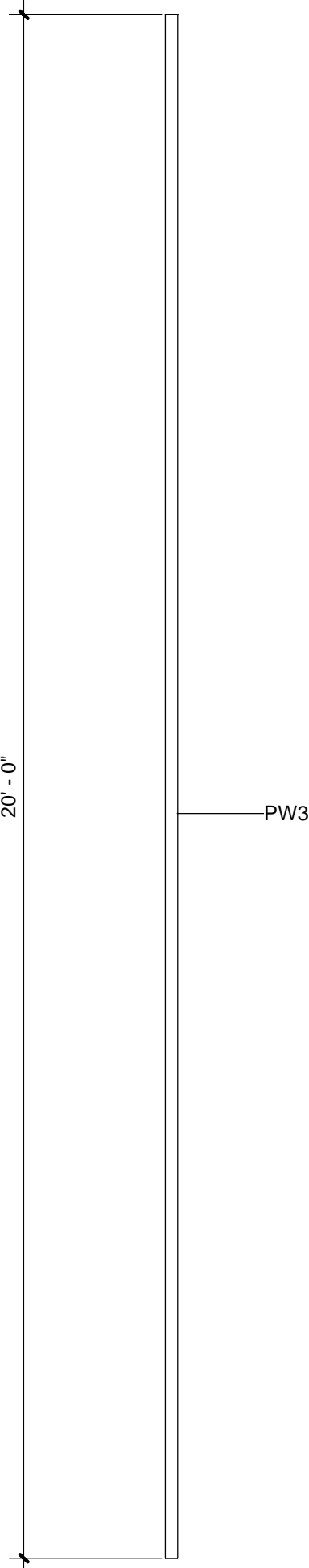
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 14:24:38

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	20'-0"				



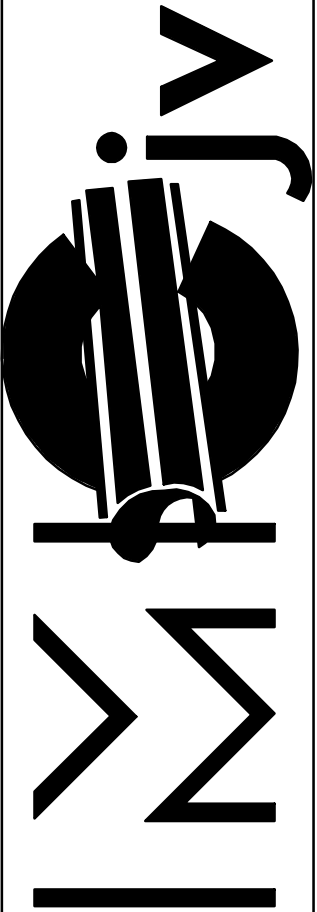
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW3 -L07-069
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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