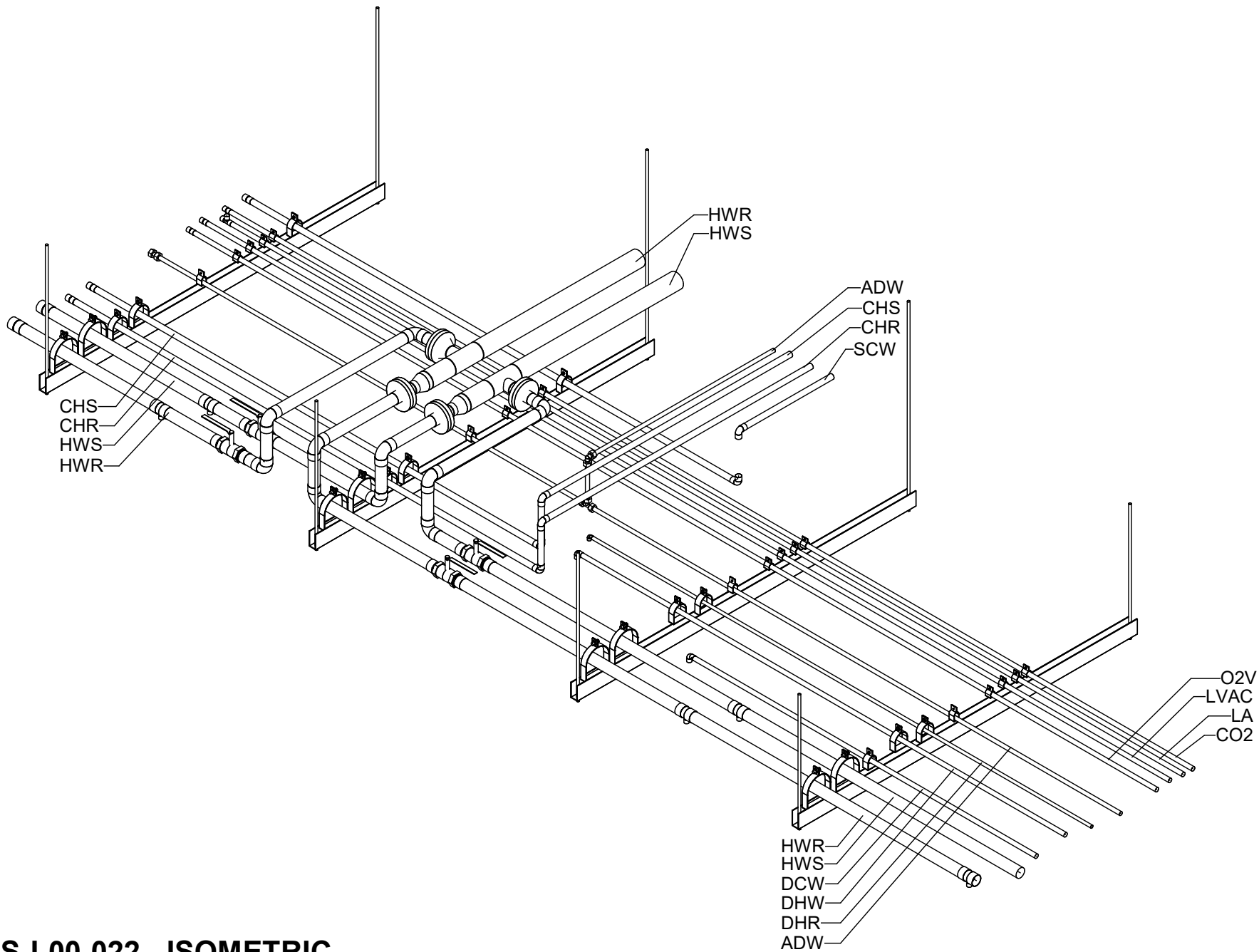
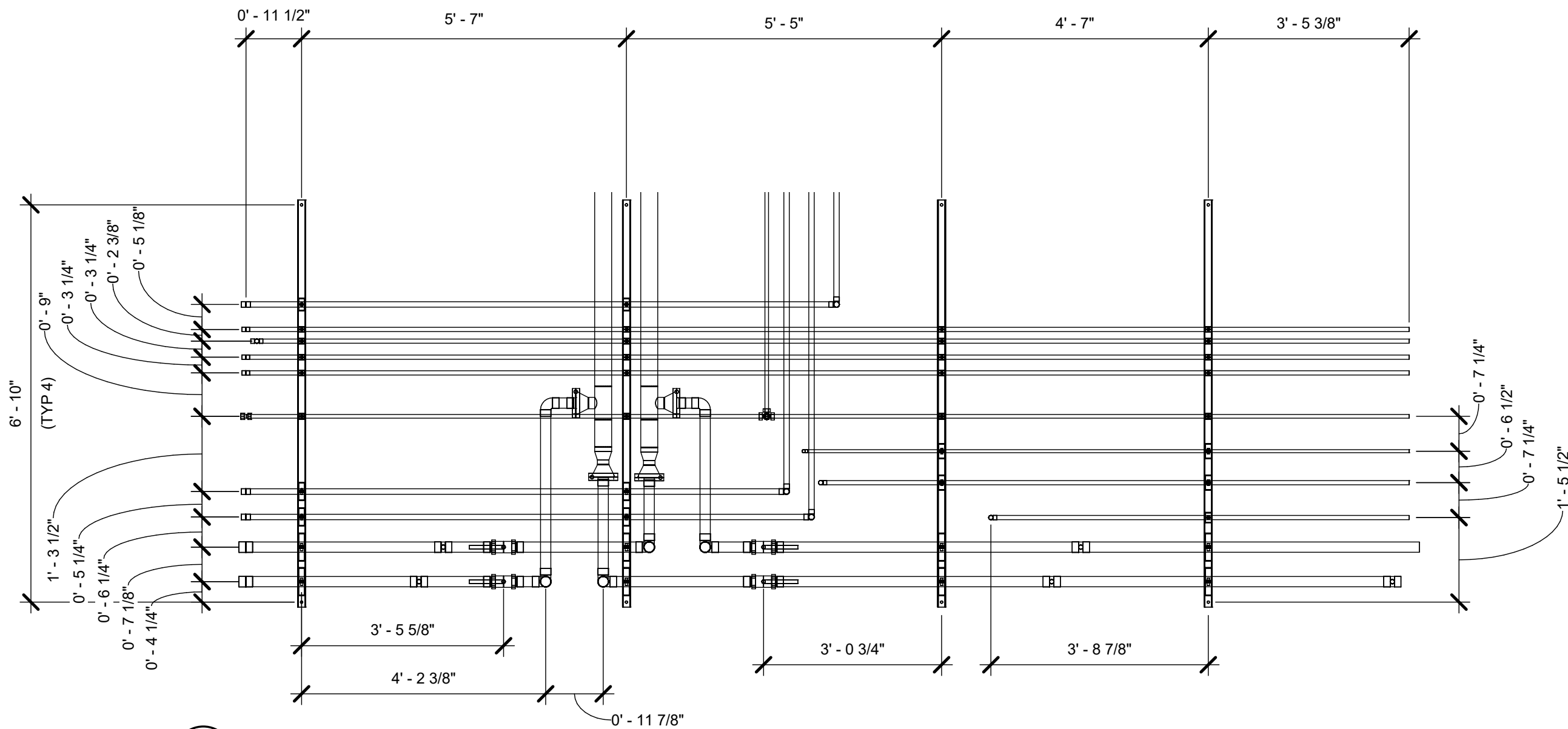


BIM 360/WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
6/22/2021 8:11:27 AM

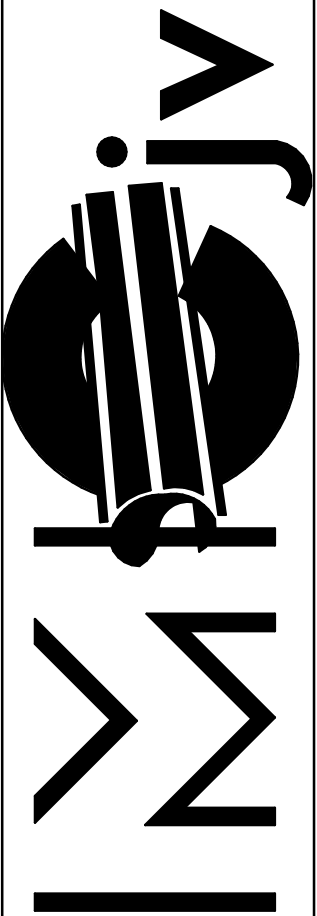


2 AS-L00-022 - ISOMETRIC
SCALE:



1 AS-L00-022
SCALE: 1/2" = 1'-0"

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |



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

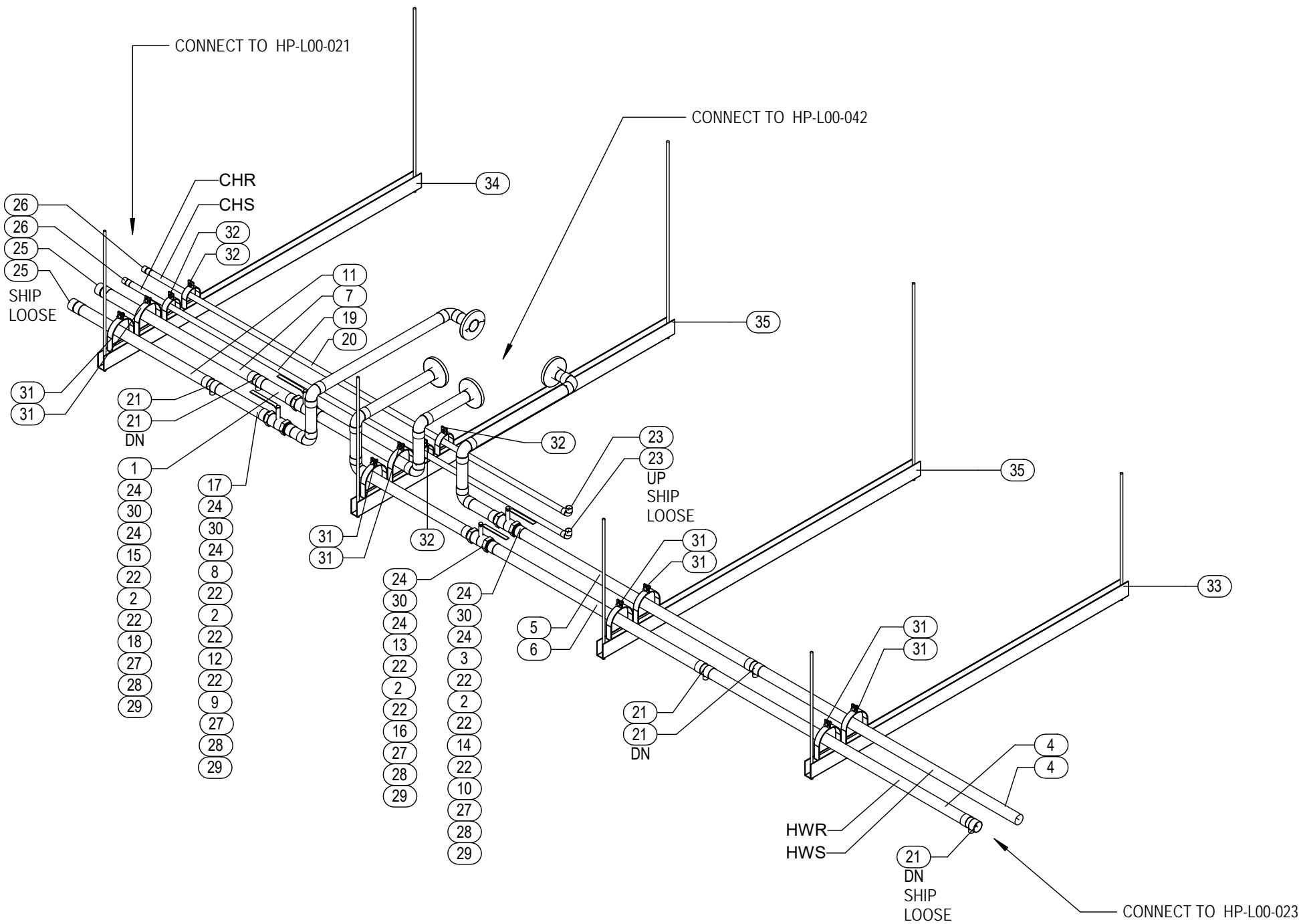
JOB: WASH U NRB

TICKET: AS-L00-022

Drawn By: Author

DATE REQ: 03/11/21

BIM 360/WWUSM NRBWUSM RB HPF.rvt
5/3/2021 1:10:22 PM

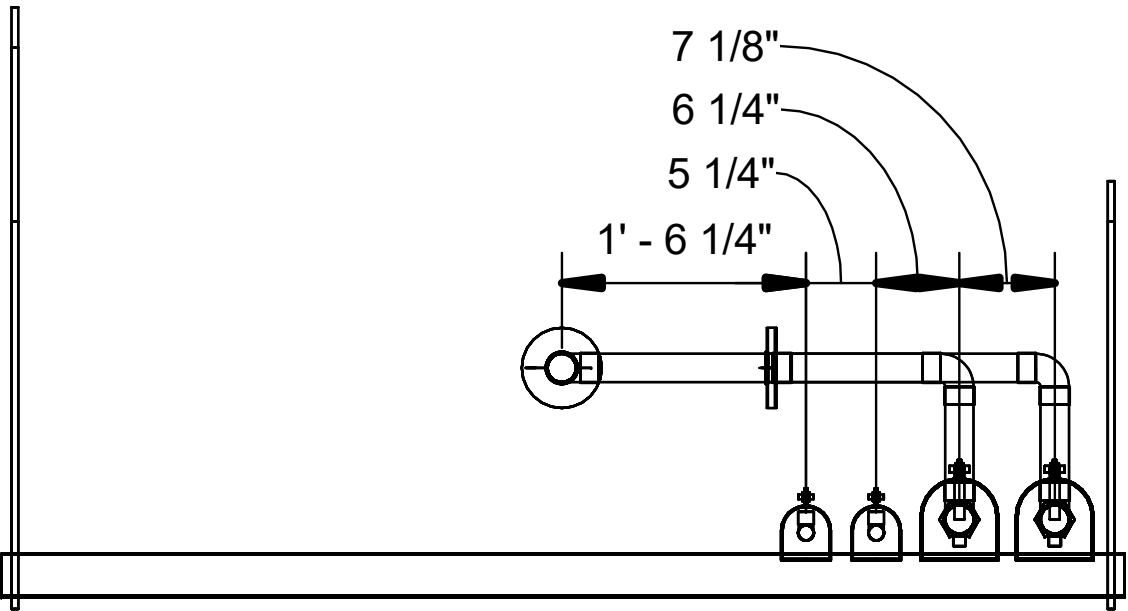


1

ISOMETRIC

SCALE:

| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 Length | Rod 2 Length |
|------|-----|---------|--|-------------|-------------|--------------|--------------|
| 1 | 1 | 2" | Cerro Type K Hard Copper Pipe | 0'-9 1/4" | | | |
| 2 | 4 | 2" | Cerro Type K Hard Copper Pipe | 0'-8 1/2" | | | |
| 3 | 1 | 2" | Cerro Type K Hard Copper Pipe | 0'-7 7/8" | | | |
| 4 | 2 | 2" | Cerro Type K Hard Copper Pipe | 5'-9 3/8" | | | |
| 5 | 1 | 2" | Cerro Type K Hard Copper Pipe | 5'-2 1/4" | | | |
| 6 | 1 | 2" | Cerro Type K Hard Copper Pipe | 4'-8 1/4" | | | |
| 7 | 1 | 2" | Cerro Type K Hard Copper Pipe | 3'-4 3/16" | | | |
| 8 | 1 | 2" | Cerro Type K Hard Copper Pipe | 0'-4 1/2" | | | |
| 9 | 1 | 2" | Cerro Type K Hard Copper Pipe | 0'-4 5/16" | | | |
| 10 | 1 | 2" | Cerro Type K Hard Copper Pipe | 0'-4" | | | |
| 11 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-11 3/16" | | | |
| 12 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-10 1/16" | | | |
| 13 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-4 7/8" | | | |
| 14 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-2 15/16" | | | |
| 15 | 1 | 2" | Cerro Type K Hard Copper Pipe | 2'-1 7/8" | | | |
| 16 | 1 | 2" | Cerro Type K Hard Copper Pipe | 1'-7 11/16" | | | |
| 17 | 1 | 2" | Cerro Type K Hard Copper Pipe | 1'-2 1/4" | | | |
| 18 | 1 | 2" | Cerro Type K Hard Copper Pipe | 1'-0 7/16" | | | |
| 19 | 1 | 1" | Cerro Type K Hard Copper Pipe | 9'-8" | | | |
| 20 | 1 | 1" | Cerro Type K Hard Copper Pipe | 9'-2 13/16" | | | |
| 21 | 5 | 2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | |
| 22 | 10 | 2" | Nibco Wrot 607 90 Deg Ell CxC | | | | |
| 23 | 2 | 1" | Nibco Wrot 607 90 Deg Ell CxC | | | | |
| 24 | 8 | 2" | Nibco Wrot 604 Adapter CxM | | | | |
| 25 | 2 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | |
| 26 | 2 | 1" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | |
| 27 | 4 | 2" | Nibco 150lb 672 2pc LF Compainion Flange | | | | |
| 28 | 4 | 2" | Generic 150# RF Garlock Gasket 1/16 Thick | | | | |
| 29 | 4 | 2" | Generic 150# CS Flange Bolt Set | | | | |
| 30 | 4 | 2" | Apollo 77C-140 Brz 2pc FP SS-Vntd-B&S Ball Valve Thd | | | | |
| 31 | 8 | 5" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | |
| 32 | 4 | 3" | B-Line B2000 ZN Sch 40 Pipe Clamp | | | | |
| 33 | 1 | 80" | B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut | | 7' - 0" | 2' - 5" | 2' - 5" |
| 34 | 1 | 80" | B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut | | 7' - 0" | 2' - 8" | 3' - 6" |
| 35 | 2 | 80" | B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut | | 7' - 0" | 2' - 8" | 3' - 9" |

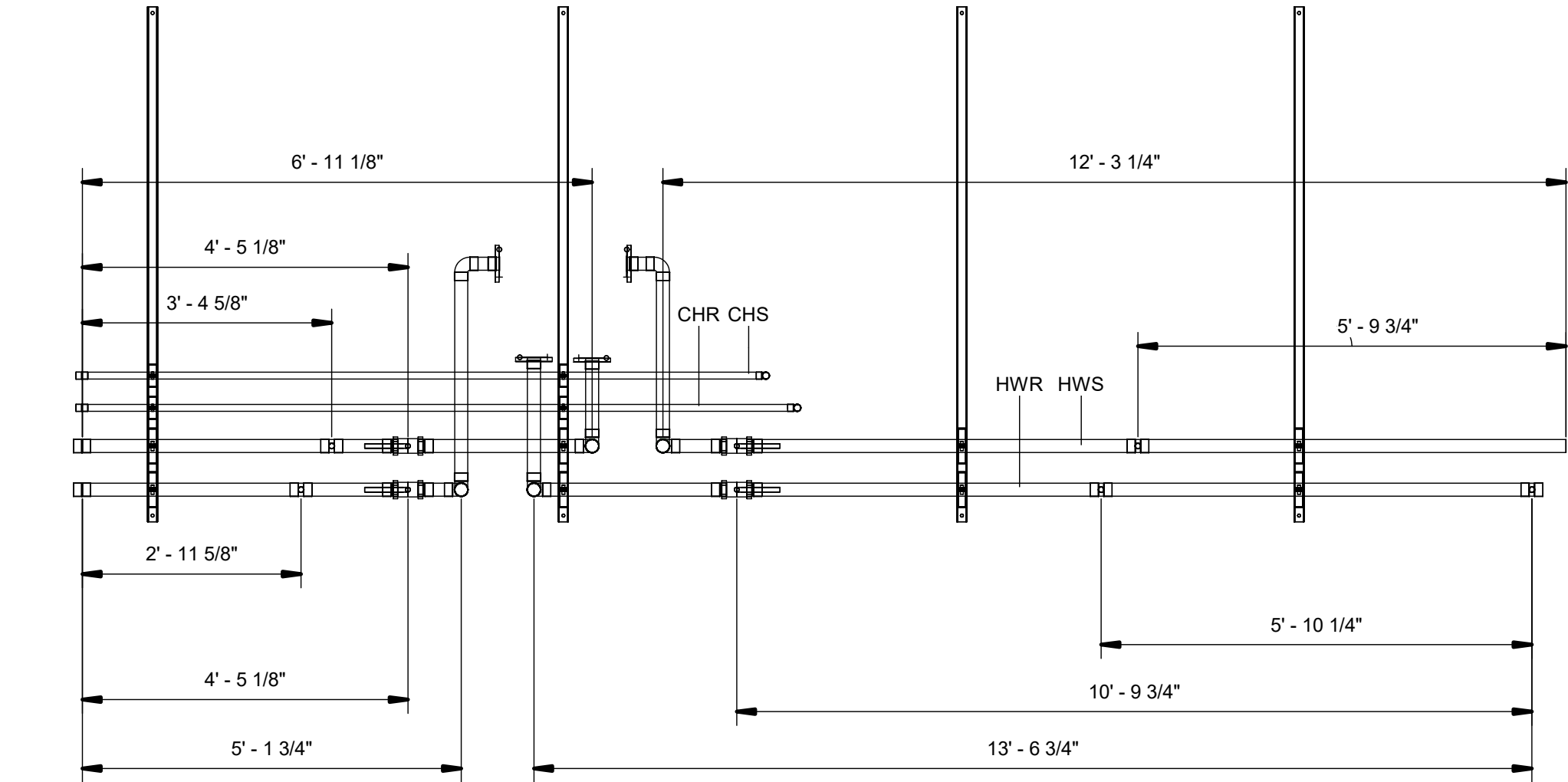


3

LEFT ELEVATION

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

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |



2

TOP VIEW

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

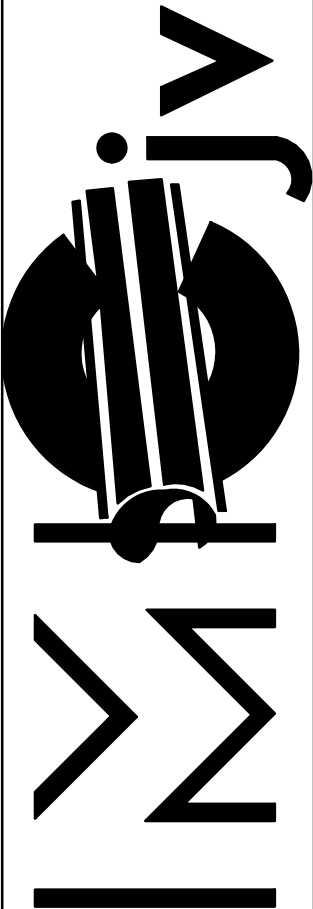
JOB: WASH U NRB

TICKET: HP-L00-022

Drawn By: Author

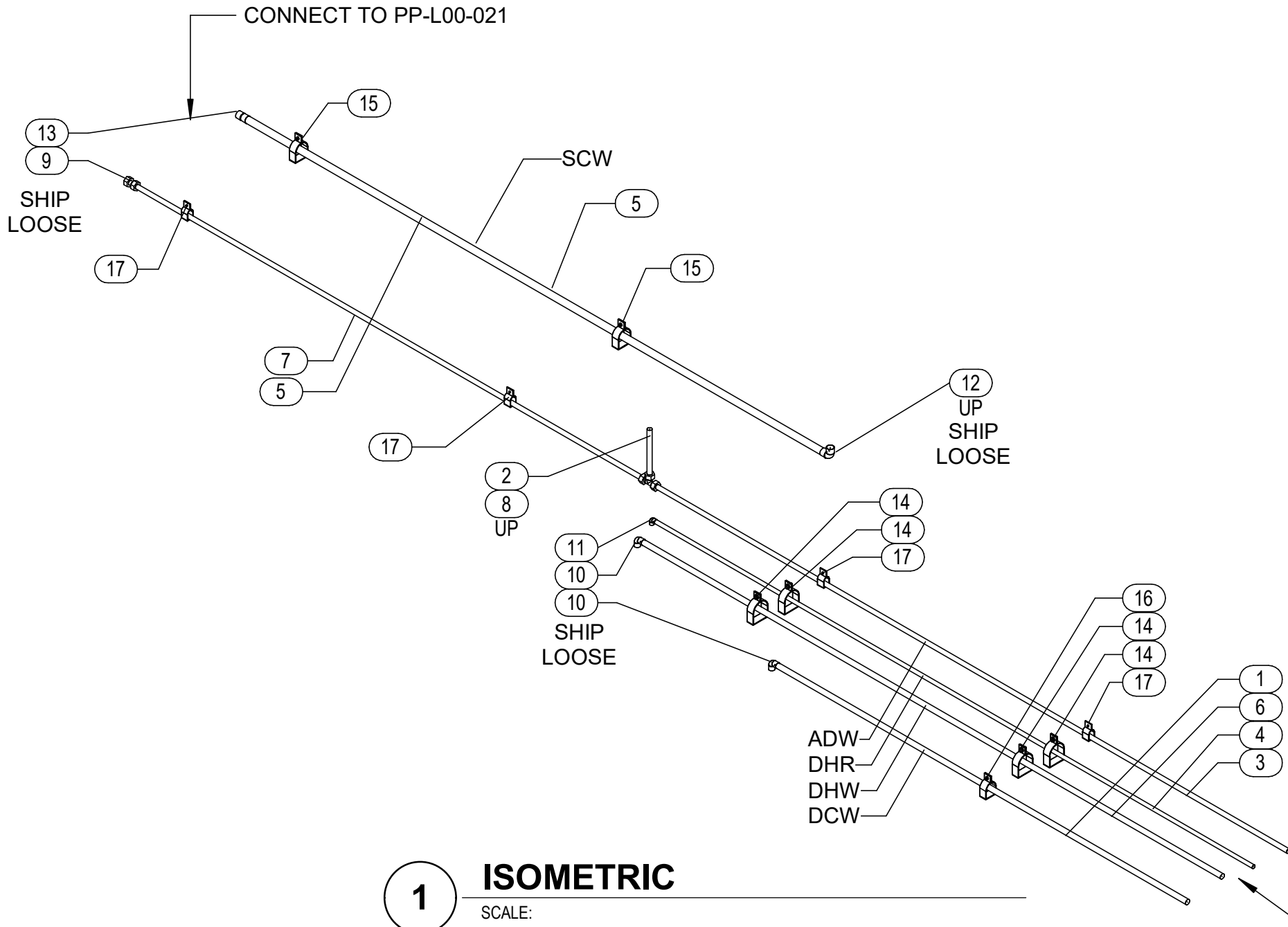
DATE: 04/14/21

DATE REQ:



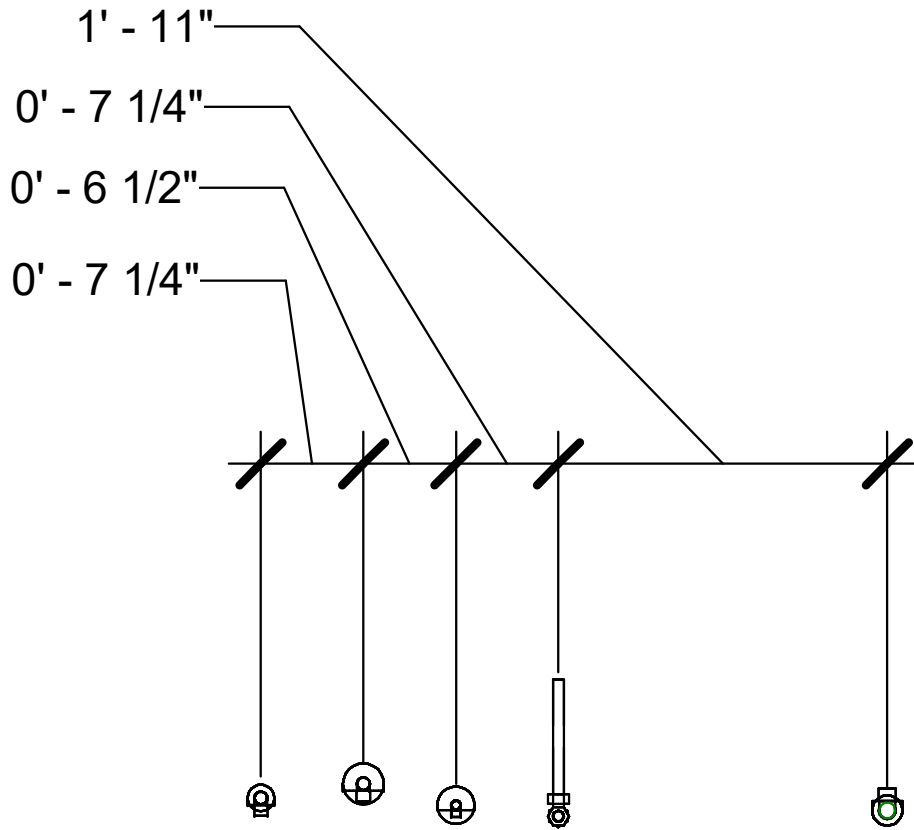
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM RB.PLF.rvt
5/3/2021 12:53:59 PM



1 ISOMETRIC
SCALE:

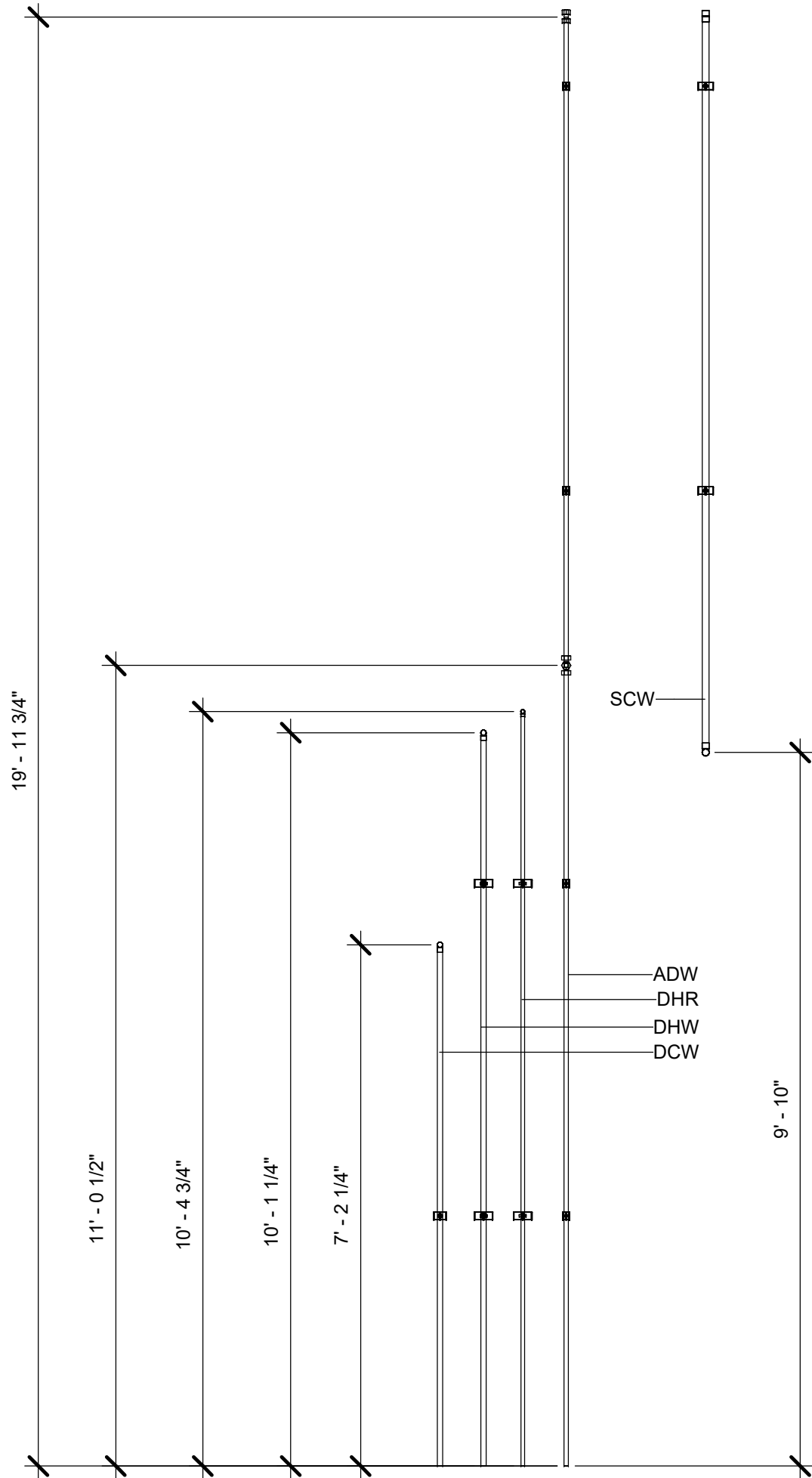
| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 Length | Rod 2 Length |
|------|-----|-------|--|--------------|-------------|--------------|--------------|
| 1 | 1 | 3/4" | Cerro Type L Hard Copper Pipe | 7'-1 3/4" | | | |
| 2 | 1 | 3/4" | Swagelok SS316L 065 Wall Compression Seamless Tubing | 0'-9" | | | |
| 3 | 1 | 3/4" | Swagelok SS316L 065 Wall Compression Seamless Tubing | 10'-11 7/8" | | | |
| 4 | 1 | 1/2" | Cerro Type L Hard Copper Pipe | 10'-4 1/2" | | | |
| 5 | 1 | 1" | Cerro Type L Hard Copper Pipe | 10'-1 1/8" | | | |
| 6 | 1 | 3/4" | Cerro Type L Hard Copper Pipe | 10'-0 7/8" | | | |
| 7 | 1 | 3/4" | Swagelok SS316L 065 Wall Compression Seamless Tubing | 8'-10 11/16" | | | |
| 8 | 1 | 3/4" | Swagelok SS316 Compression Union Tee | | | | |
| 9 | 1 | 3/4" | Swagelok SS316 Compression Union Coupling | | | | |
| 10 | 2 | 3/4" | Nibco Wrot 607 90 Deg Ell CxC | | | | |
| 11 | 1 | 1/2" | Nibco Wrot 607 90 Deg Ell CxC | | | | |
| 12 | 1 | 1" | Nibco Wrot 607 90 Deg Ell CxC | | | | |
| 13 | 1 | 1" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | |
| 14 | 4 | 2.5" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0' - 0" | 0' - 0" | 0' - 0" |
| 15 | 2 | 2" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0' - 0" | 0' - 0" | 0' - 0" |
| 16 | 1 | 1.5" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0' - 0" | 0' - 0" | 0' - 0" |
| 17 | 4 | 0.75" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0' - 0" | 0' - 0" | 0' - 0" |



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

| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

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

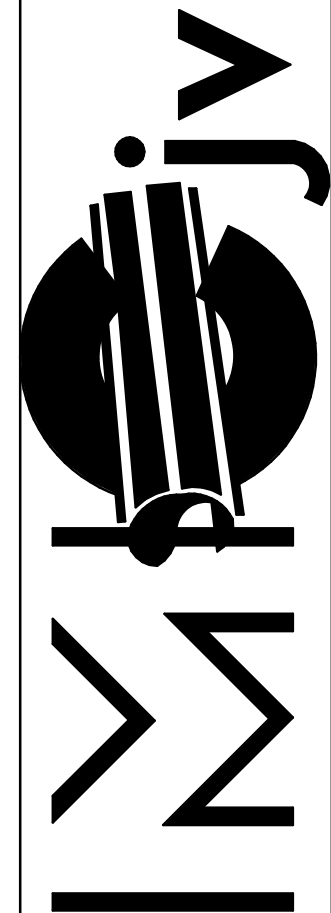


JOB: WASH U NRB

TICKET: PP-L00-022

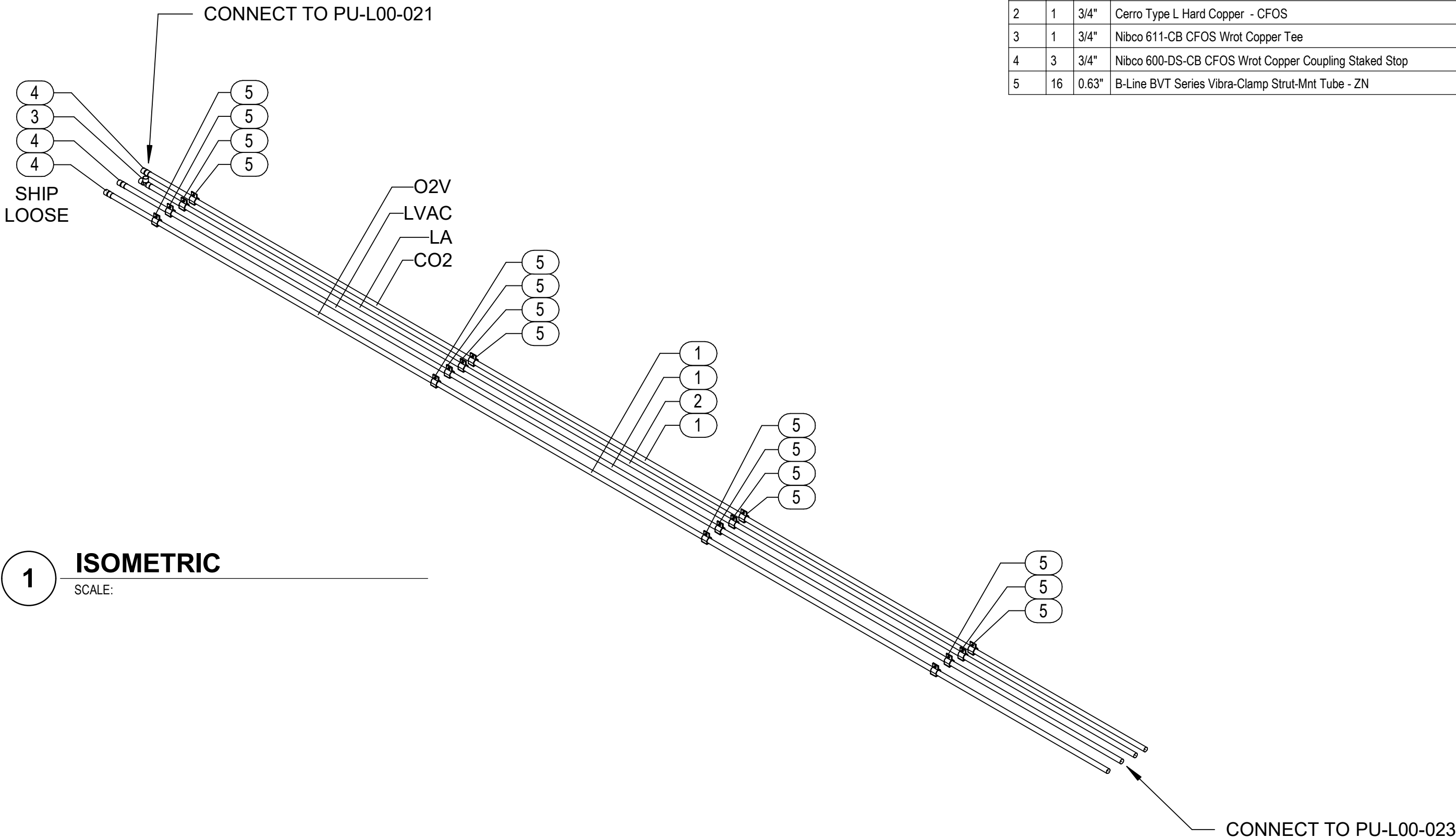
Drawn By: Author

DATE REQ: 04/01/21



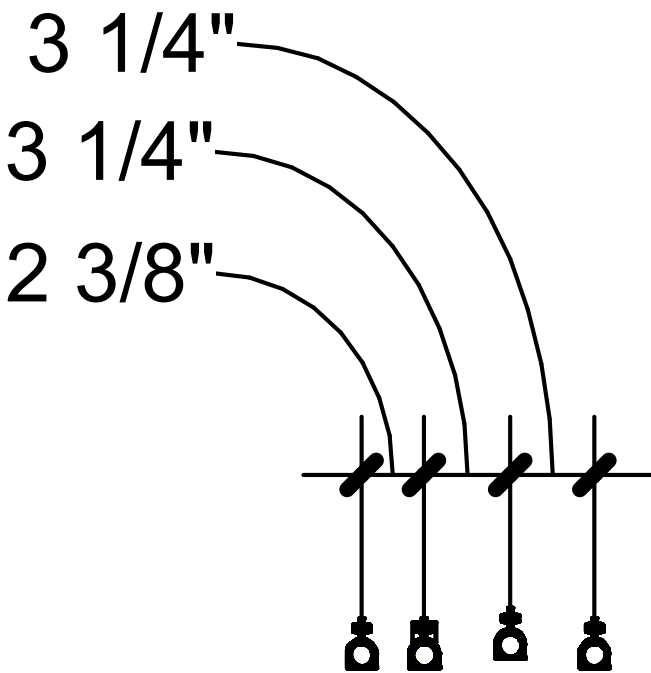
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WWUM NRBWUSM RB PUF.rvt
5/4/2021 10:01:19 AM



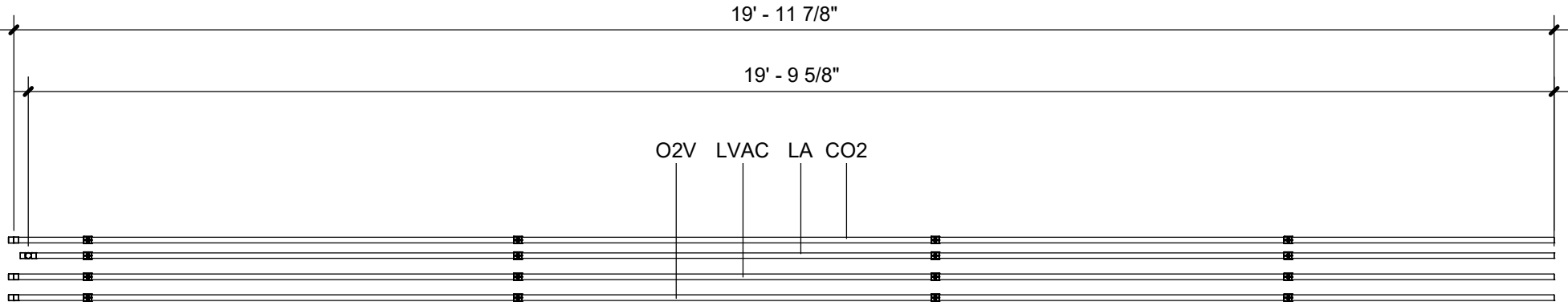
| Mark | Qty | Size | Description | Length | Strut Width | Rod 1 Length | Rod 2 Length |
|------|-----|-------|---|-------------|-------------|--------------|--------------|
| 1 | 3 | 3/4" | Cerro Type L Hard Copper - CFOS | 19'-11 7/8" | | | |
| 2 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 19'-9 3/16" | | | |
| 3 | 1 | 3/4" | Nibco 611-CB CFOS Wrot Copper Tee | | | | |
| 4 | 3 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | | | |
| 5 | 16 | 0.63" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | | | |

1 ISOMETRIC
SCALE:



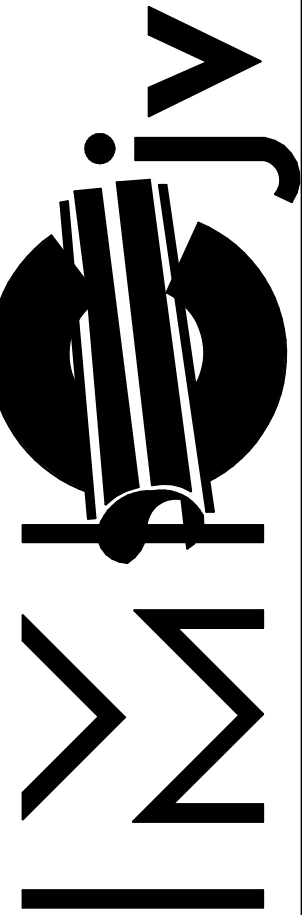
3 LEFT ELEVATION
SCALE: 1/2" = 1'-0"

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



| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB
TICKET: PU-L00-022
Drawn By: Author
DATE: 04/26/21
DATE REQ:



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