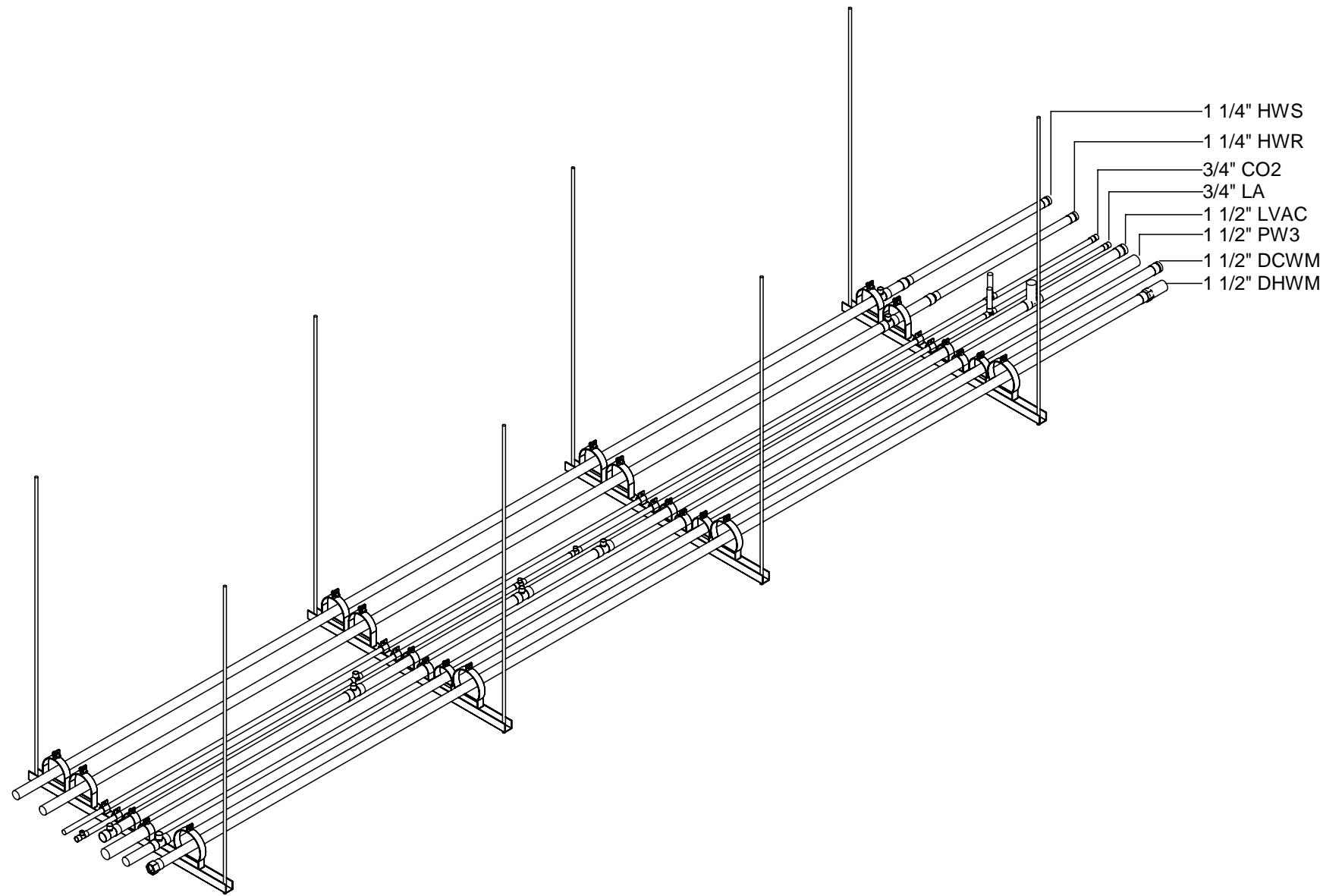
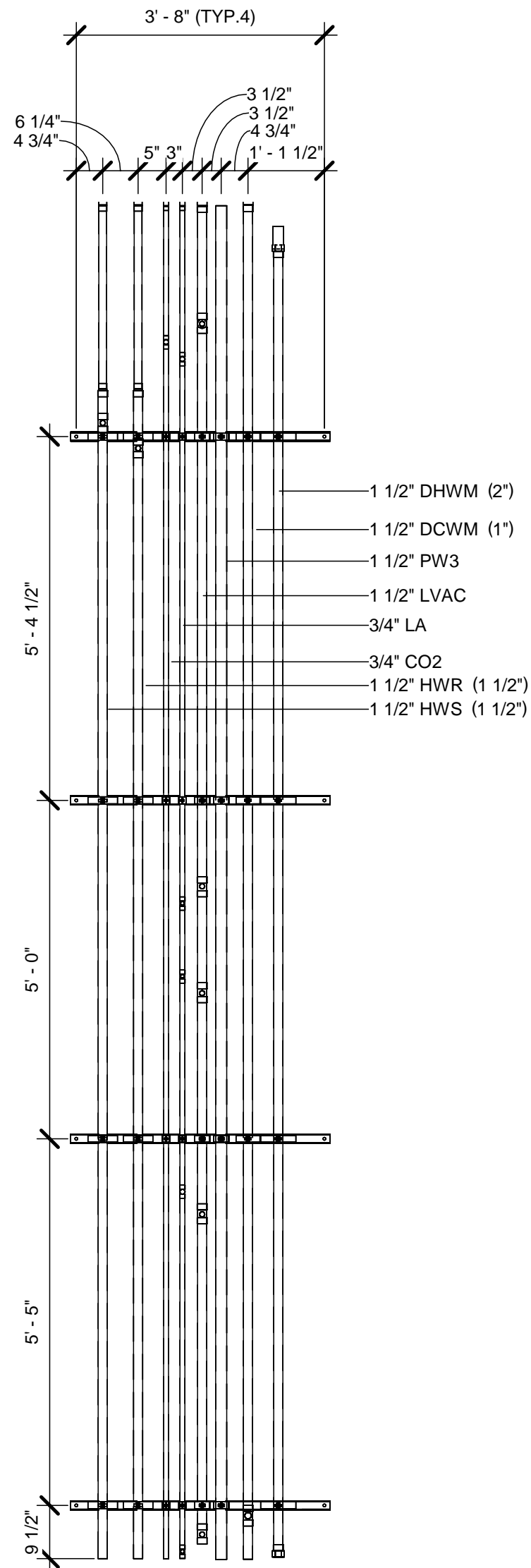


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24-11-2021 15:00:04



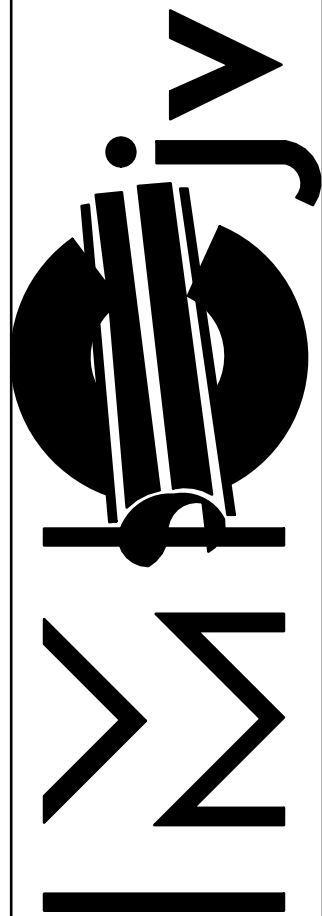
1 AS-L07-068 - ISOMETRIC
AS-L07-068 SCALE:



2 AS-L07-068
AS-L07-068 SCALE: 1/2" = 1'-0"

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

JOB: WASH U NRB
TICKET: AS-L07-068
Drawn By: Author
DATE: 11/24/21
DATE REQ:



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

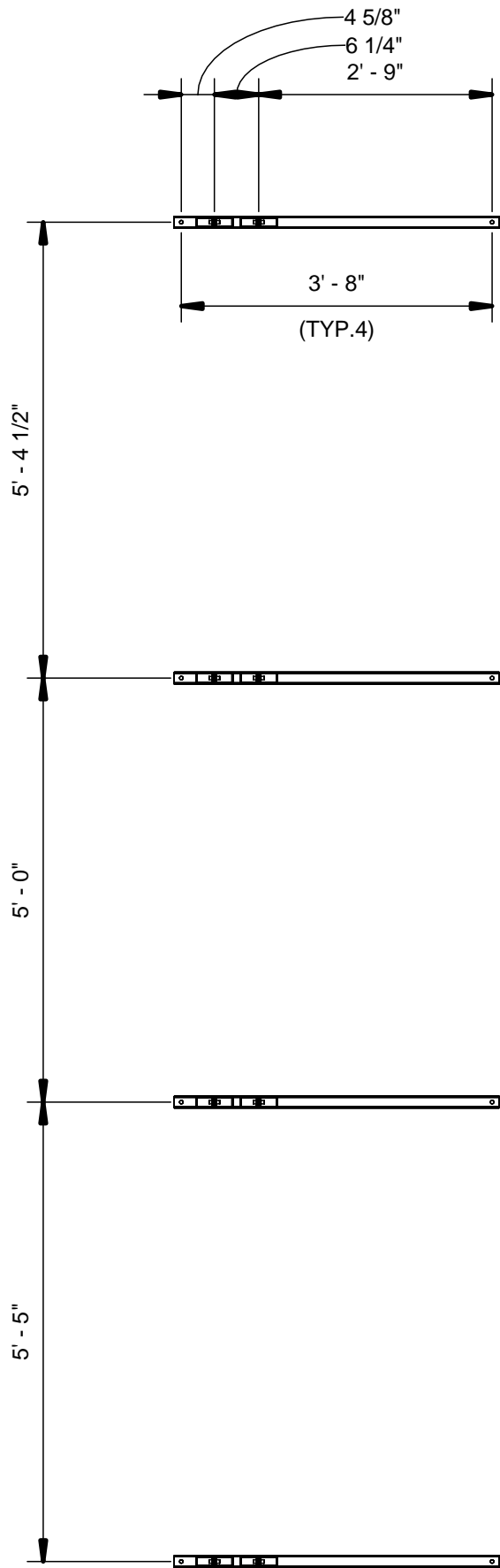
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 14:49:26

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|--|--------|-------------|---------|---------|------------|
| 01 | 8 | 4.5" | B-Line B2000-ZN Sch 40 Pipe Clamp | | 0" | | 0" | |
| 02 | 4 | 42" | B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut | | 3' - 10" | 5' - 2" | 5' - 2" | |

| | | | |
|----|---|--------|--------------|
| 01 | 8 | 4 5/8" | B Line #2058 |
|----|---|--------|--------------|



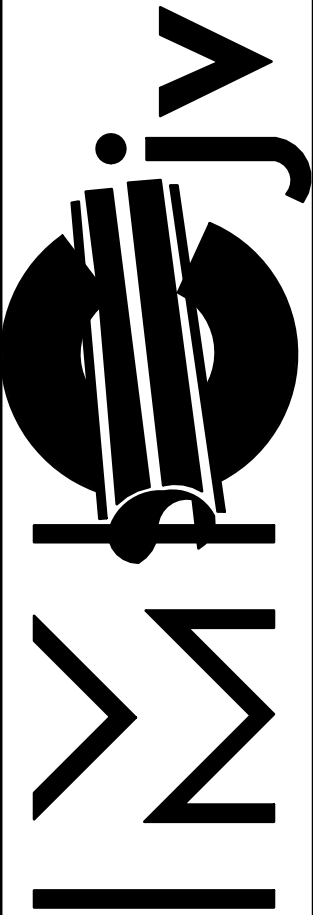
1 ISOMETRIC
SCALE:



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

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

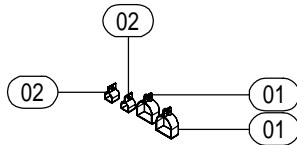
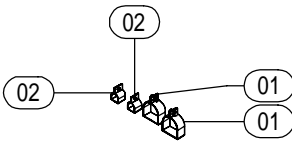
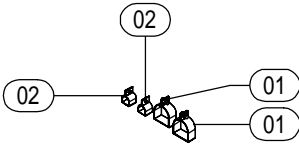
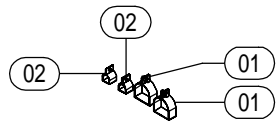
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | HPGHR-L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



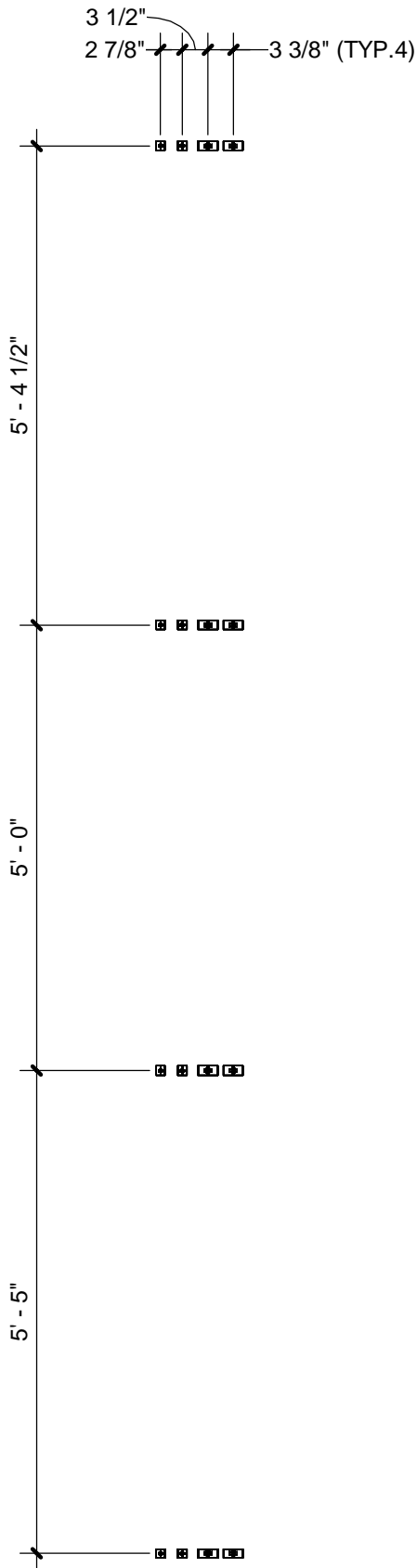
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 11:34:37

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|---|--------|-------------|-------|-------|------------|
| 01 | 8 | 2" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |
| 02 | 8 | 0.75" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |



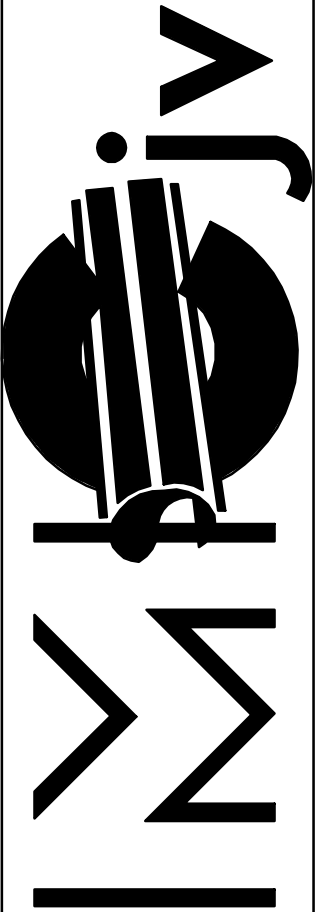
1 ISOMETRIC
SCALE:



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

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

| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PUHGR-L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



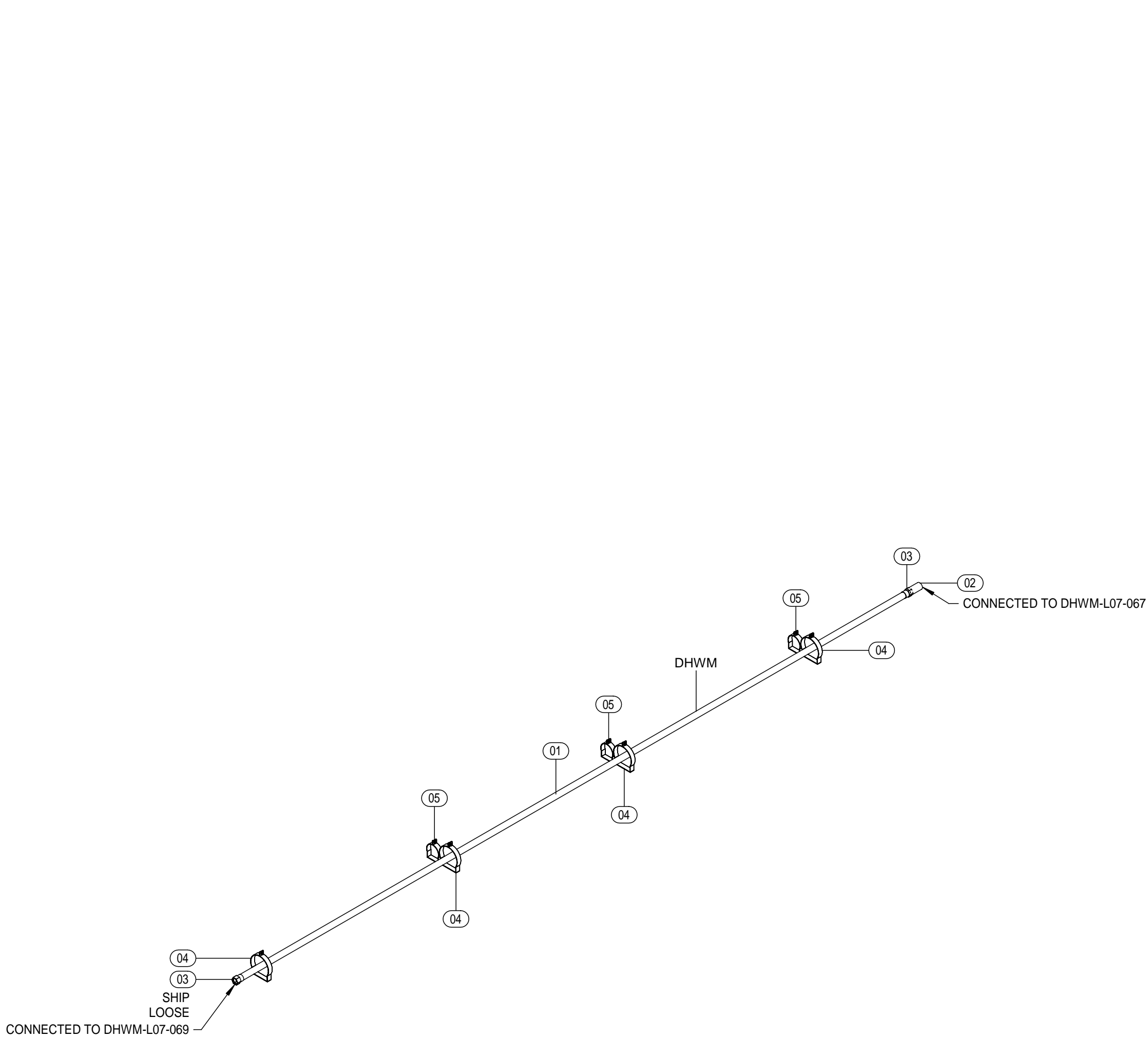
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 10:44:04 AM

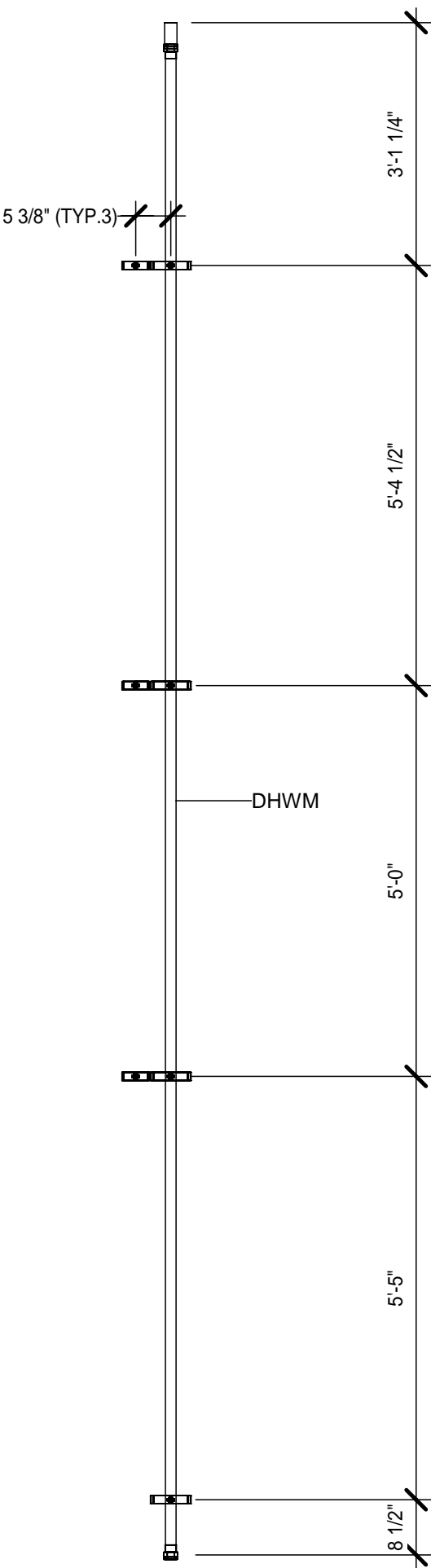
| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 19'-2 3/8" | | | | 2" |
| 02 | 1 | 1 1/2" | Victaulic No.647 TT Dielectric Transition Fitting | | | | | 2" |
| 03 | 2 | 1 1/2" | Nibco Wrot 603 Adapter CxF | | | | | 2" |
| 04 | 4 | 5.13" | B-Line B2000 Series OD Pipe and Conduit | | 0" | | 0" | |
| 05 | 3 | 3.63" | B-Line B2000 Series OD Pipe and Conduit | | 0" | | 0" | |

04 4 6 5/8" B Line #2020

05 3 3 5/8" B Line #2050



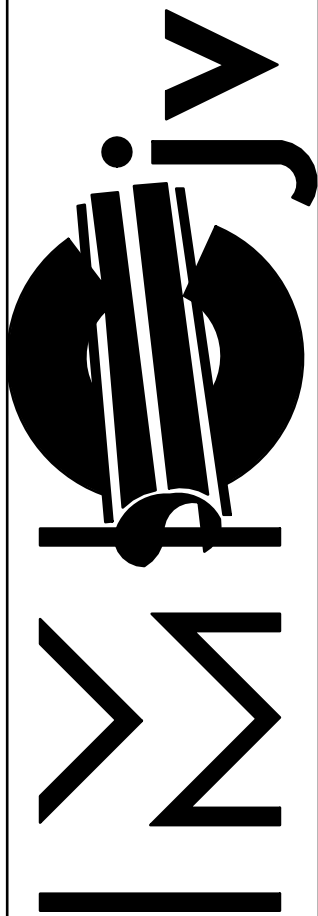
1 ISOMETRIC
SCALE:



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

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

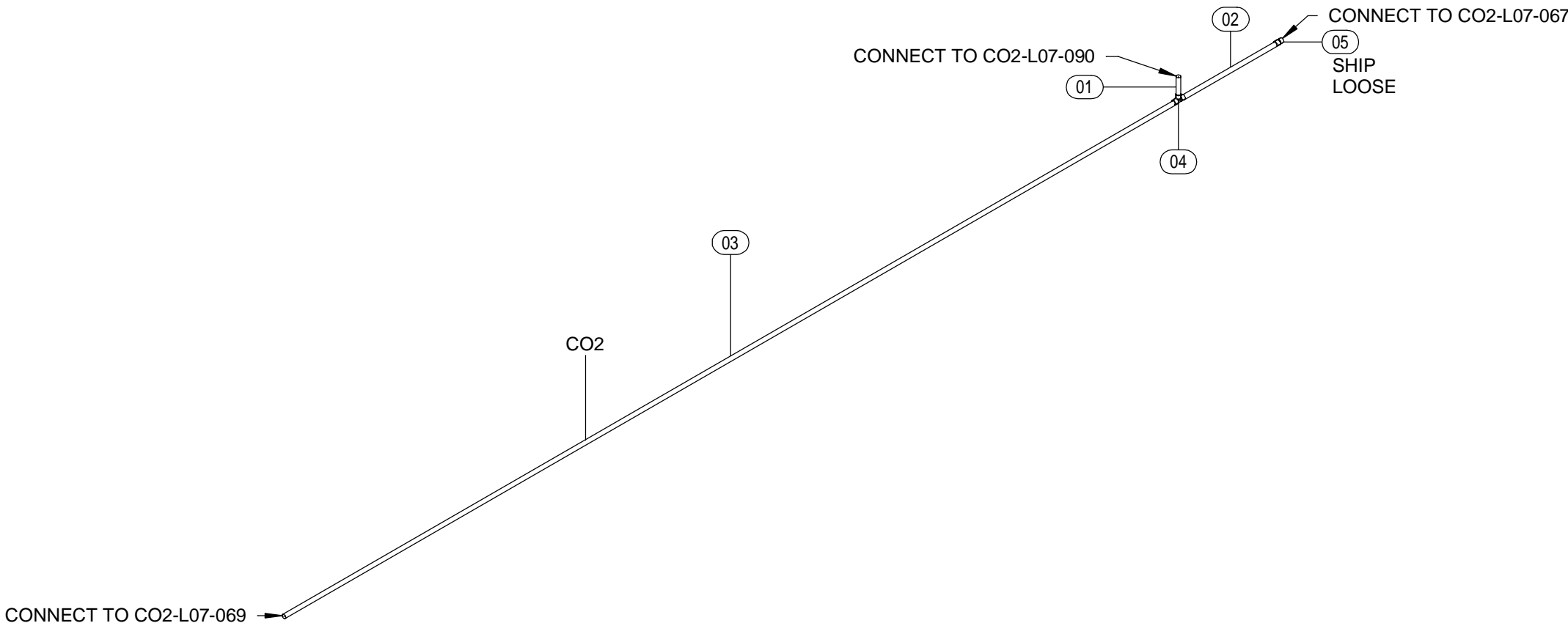
JOB: WASH U NRB
TICKET: PP-L07-068
Drawn By: Author
DATE: 11/24/21
DATE REQ:



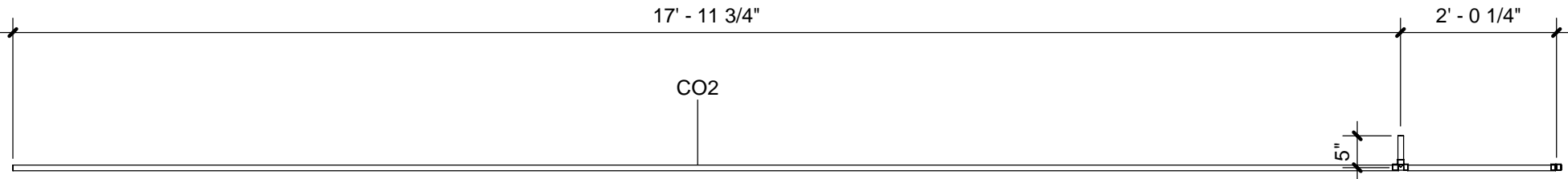
1233 N. Price Rd.
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314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 18:12:11

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|---|-------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 0'-4 7/16" | | | | |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 1'-11" | | | | |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 17'-11 3/8" | | | | |
| 04 | 1 | 3/4" | Nibco 611-CB CFOS Wrot Copper Tee | | | | | |
| 05 | 1 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | | | | |



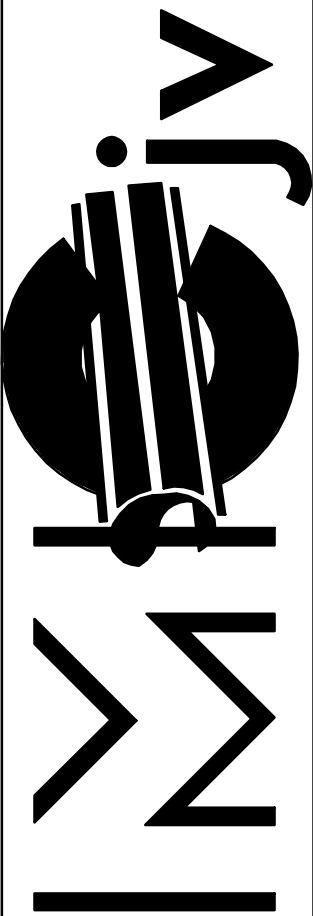
1 ISOMETRIC
SCALE:



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

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

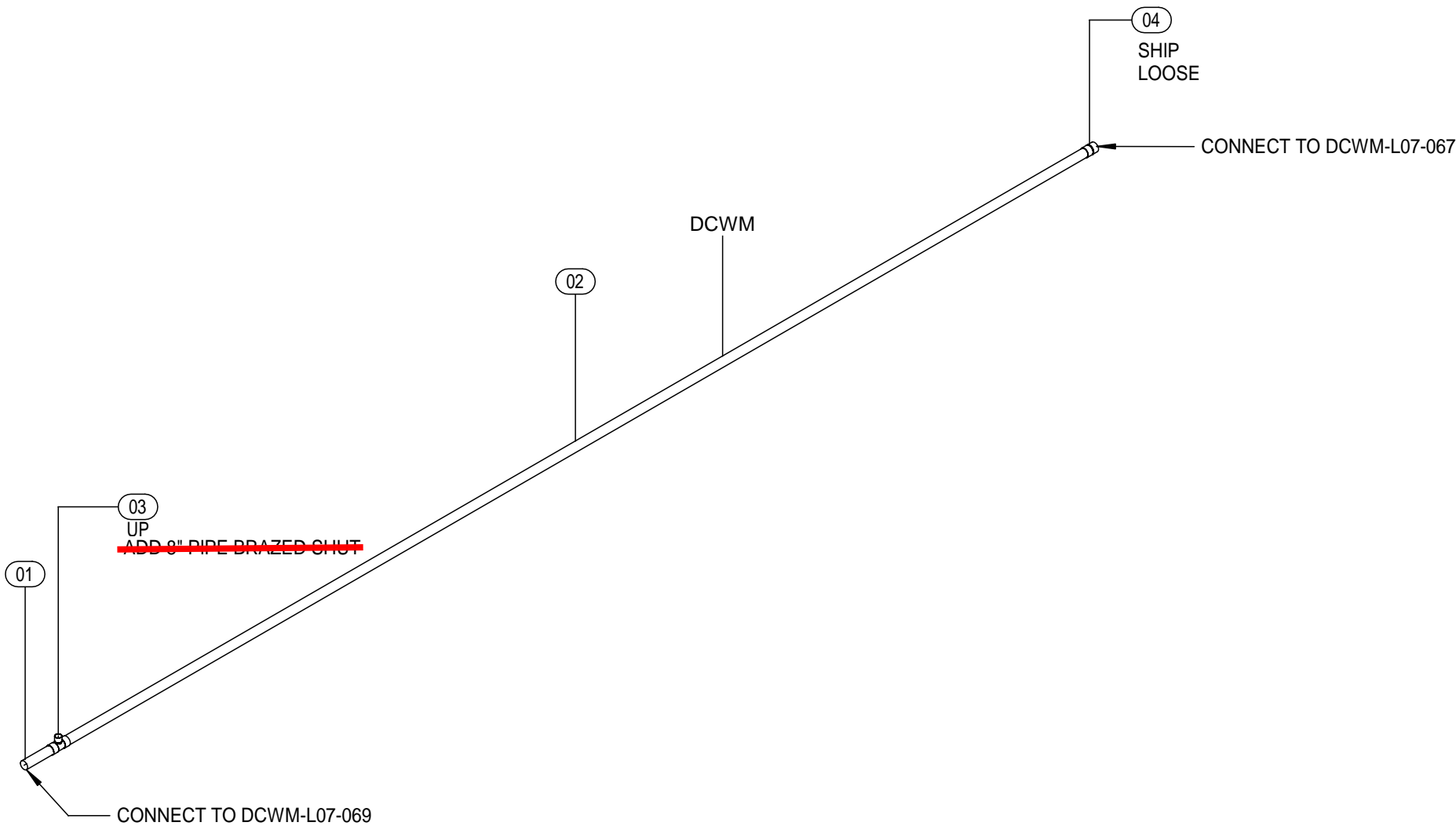
JOB: WASH U NRB
TICKET: CO2 -L07-068
Drawn By: Author
DATE: 11/24/21
DATE REQ:



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

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 10:36:47 AM

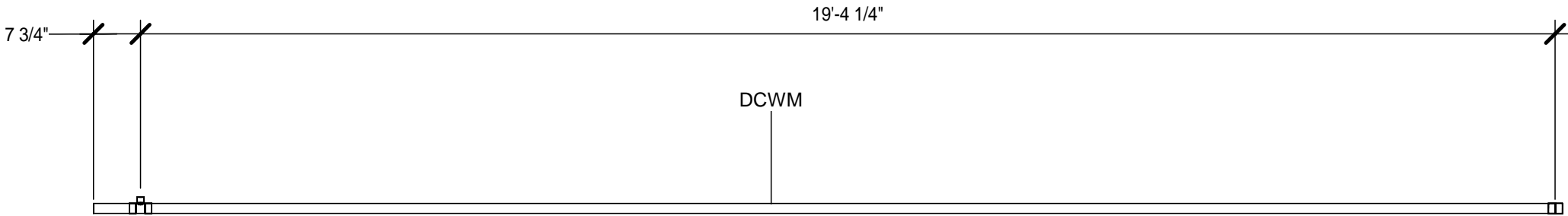
| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-----------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 0'-7" | | | | 1" |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 19'-3 9/16" | | | | 1" |
| 03 | 1 | 1 1/2"x1" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 04 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



1

ISOMETRIC

SCALE:



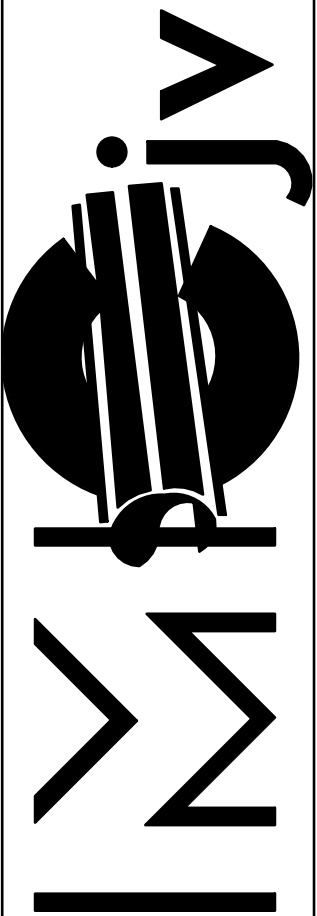
2

RIGHT ELEVATION

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

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

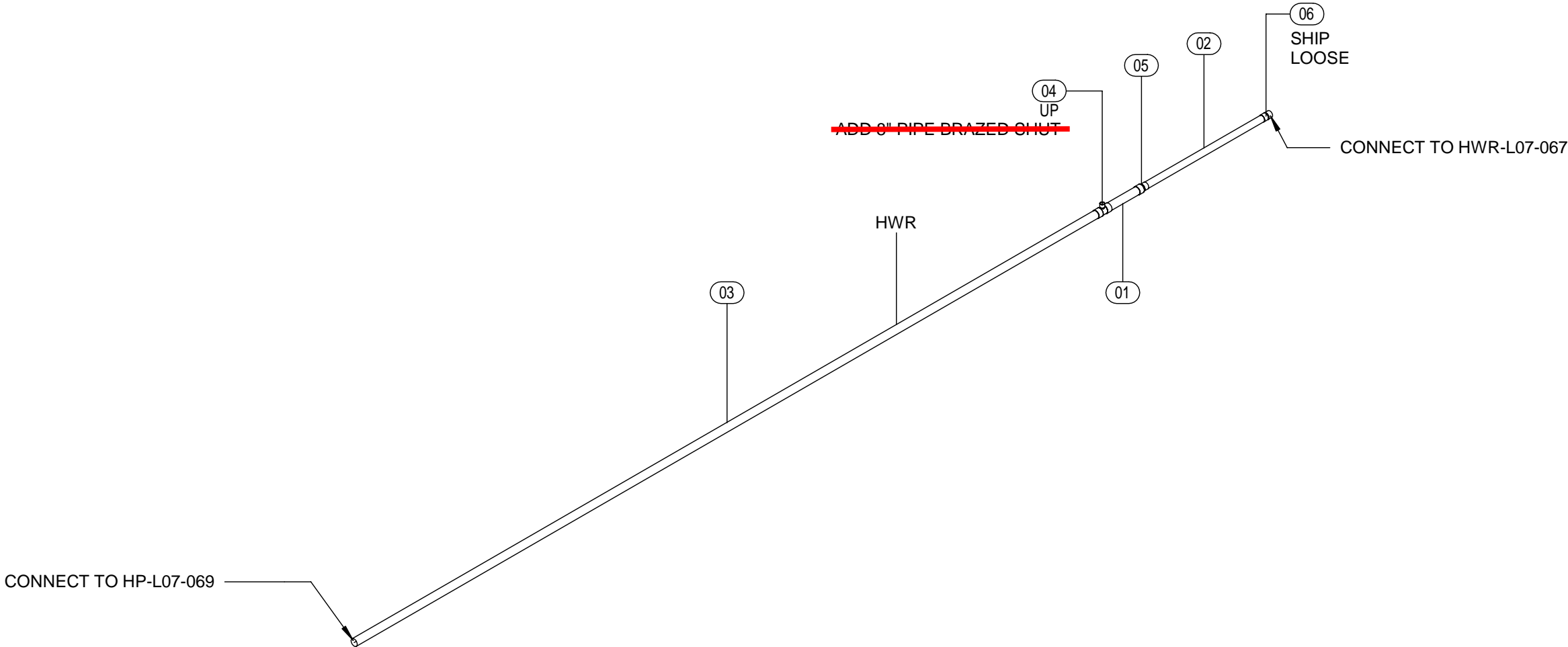
| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | DCWM-L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



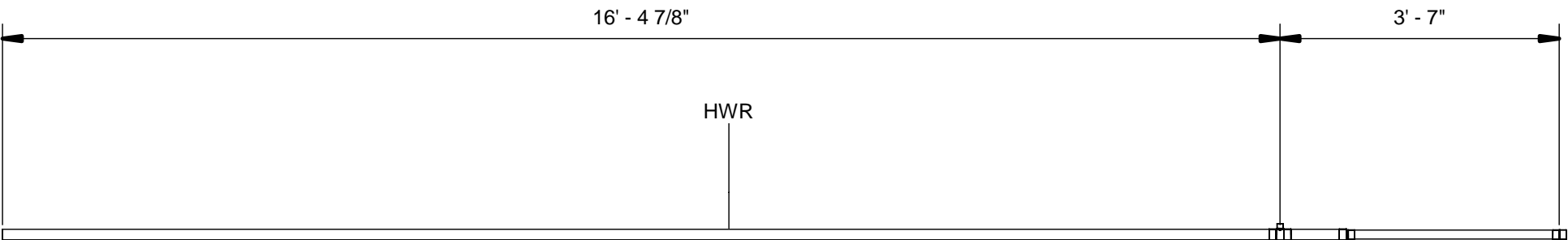
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 16:17:01

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|---------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 0'-9 5/8" | | | | 1 1/2" |
| 02 | 1 | 1 1/4" | Cerro Type K Hard Copper Pipe | 2'-8 1/2" | | | | 1" |
| 03 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 16'-4 1/4" | | | | 1 1/2" |
| 04 | 1 | 1 1/2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 05 | 1 | 1 1/2"x1 1/4" | Nibco Wrot 600R Red Cplg CxC | | | | | 1 1/2" |
| 06 | 1 | 1 1/4" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



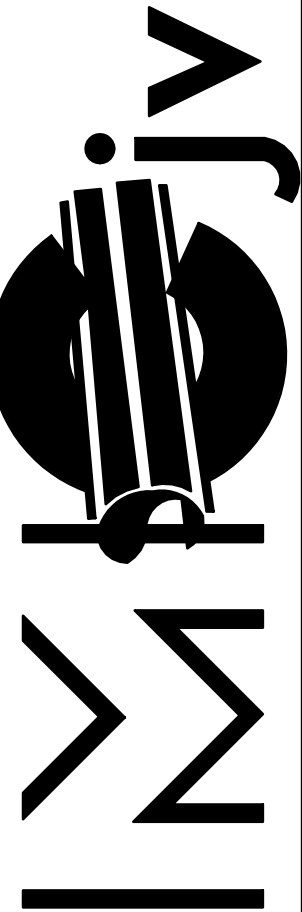
1 ISOMETRIC
SCALE:



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

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

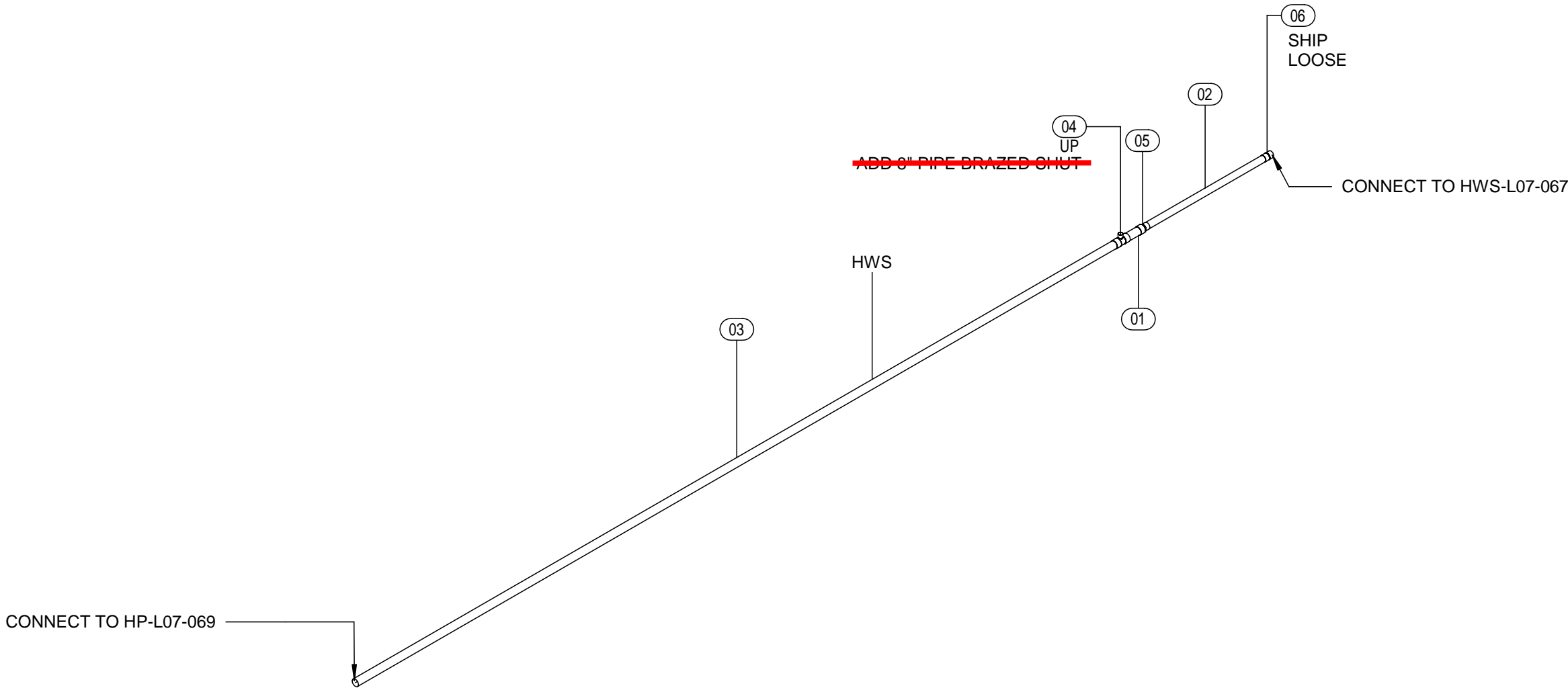
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | HWR-L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



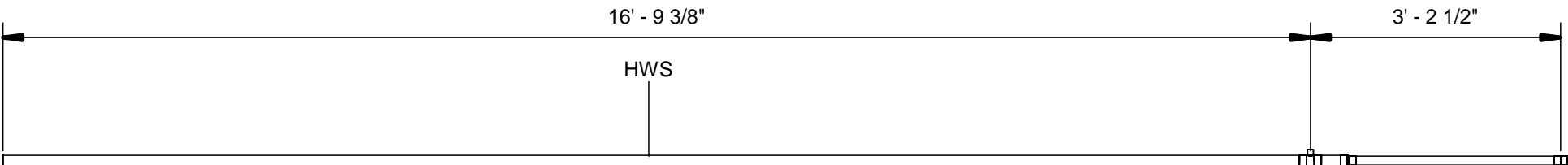
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 17:57:23

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|---------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 0'-5 1/8" | | | | 1 1/2" |
| 02 | 1 | 1 1/4" | Cerro Type K Hard Copper Pipe | 2'-8 1/2" | | | | 1" |
| 03 | 1 | 1 1/2" | Cerro Type K Hard Copper Pipe | 16'-8 3/4" | | | | 1 1/2" |
| 04 | 1 | 1 1/2"x3/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1 1/2" |
| 05 | 1 | 1 1/2"x1 1/4" | Nibco Wrot 600R Red Cplg CxC | | | | | 1 1/2" |
| 06 | 1 | 1 1/4" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



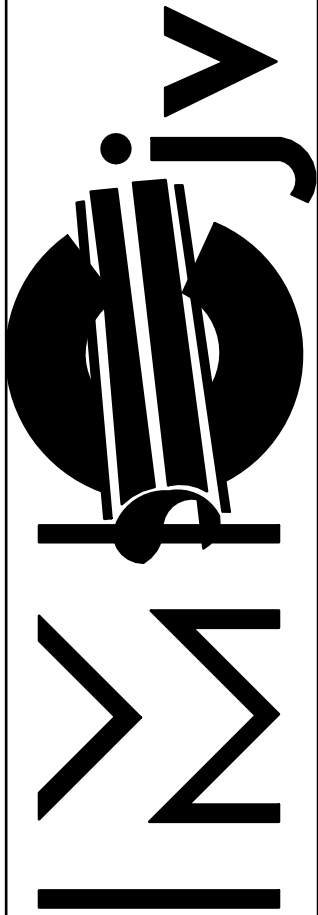
1 ISOMETRIC
SCALE:



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

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

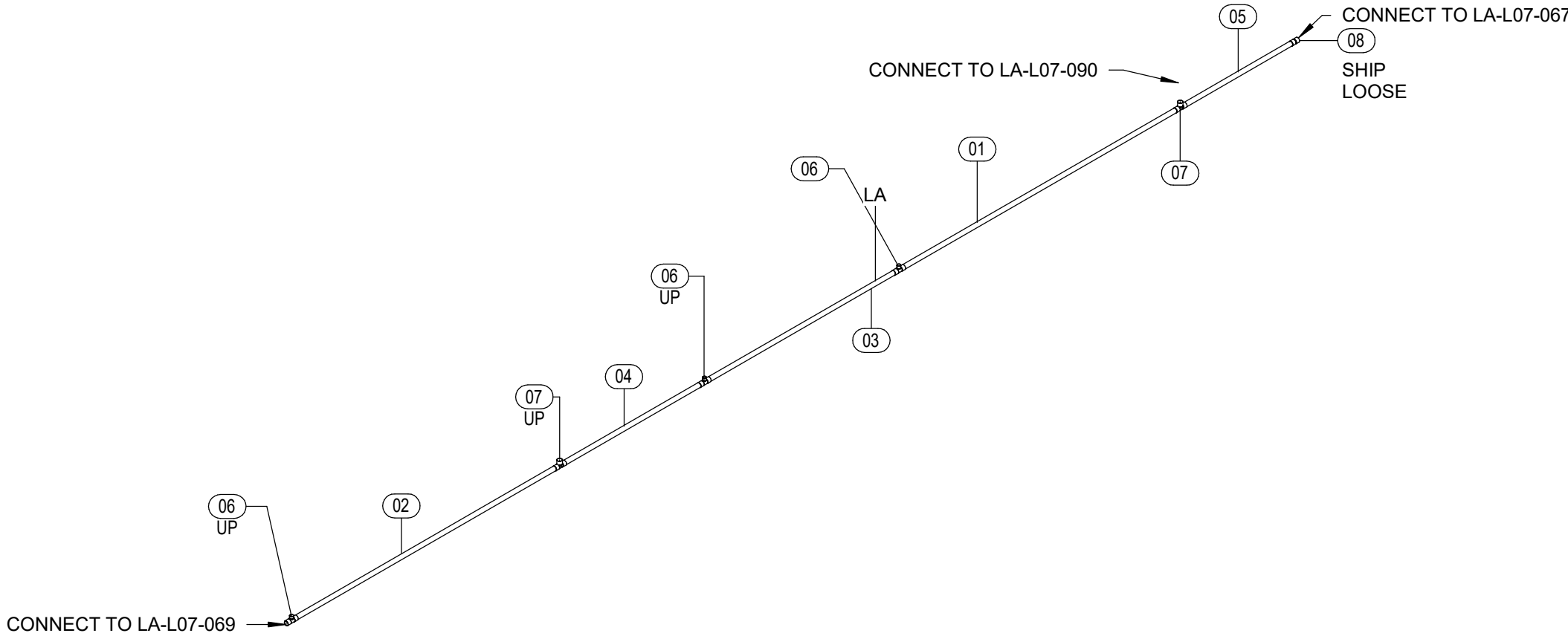
JOB: WASH U NRB
TICKET: HWS-L07-068
Drawn By: Author
DATE: 11/24/21
DATE REQ:



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

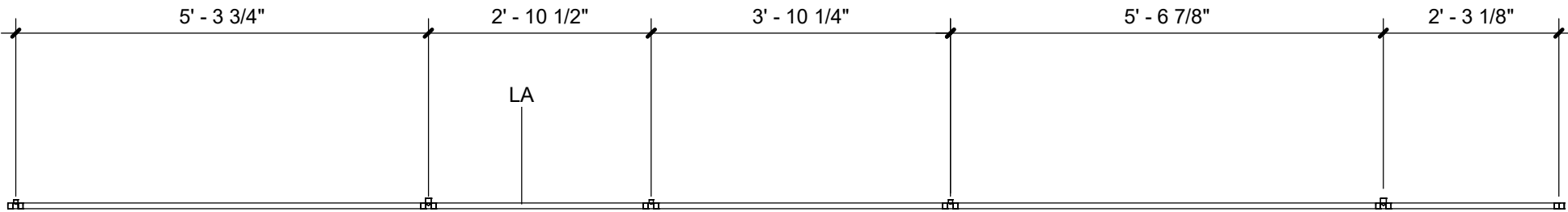
BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/9/2022 10:32:22 AM

| Mark | Qty | Size | Description | Length | Insulation |
|------|-----|----------------|---|-----------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 5'-6 1/8" | |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 5'-3" | |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 3'-9 3/8" | |
| 04 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 2'-9 1/2" | |
| 05 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 2'-2 5/8" | |
| 06 | 3 | 3/4"x1/2"x3/4" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 07 | 2 | 3/4" | Nibco 611-CB CFOS Wrot Copper Tee | | |
| 08 | 1 | 3/4" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | |



1 ISOMETRIC

SCALE:



2 RIGHT ELEVATION

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

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

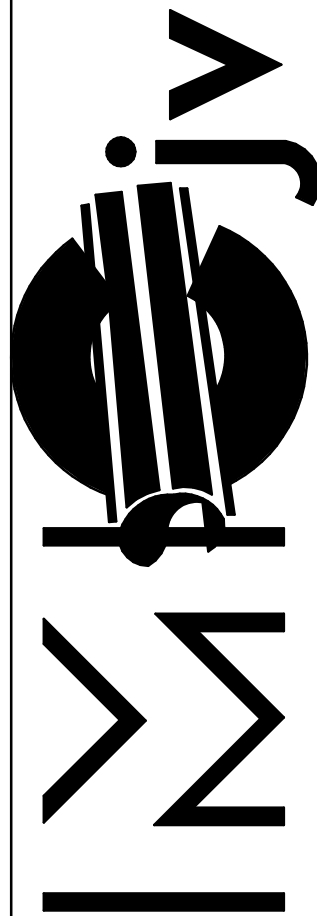
JOB: WASH U NRB

TICKET: LA -L07-068

Drawn By: Author

DATE: 11/24/21

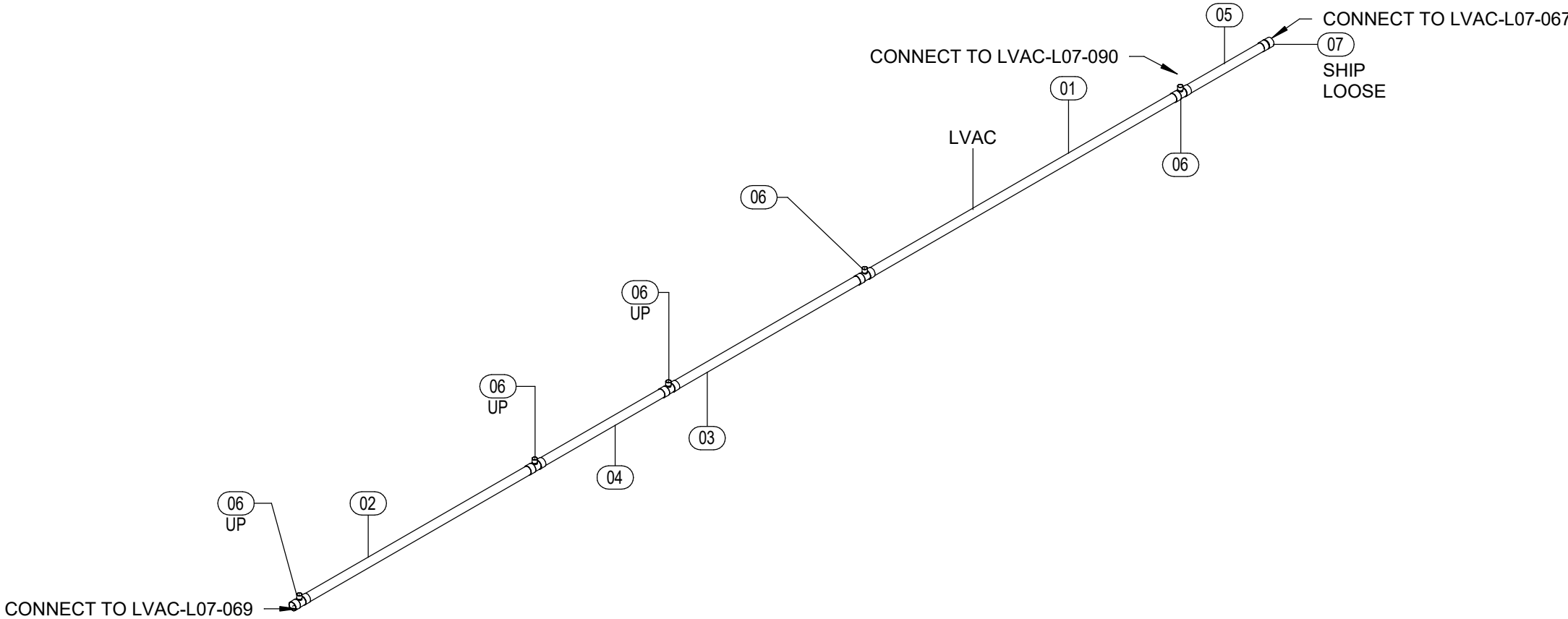
DATE REQ:



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

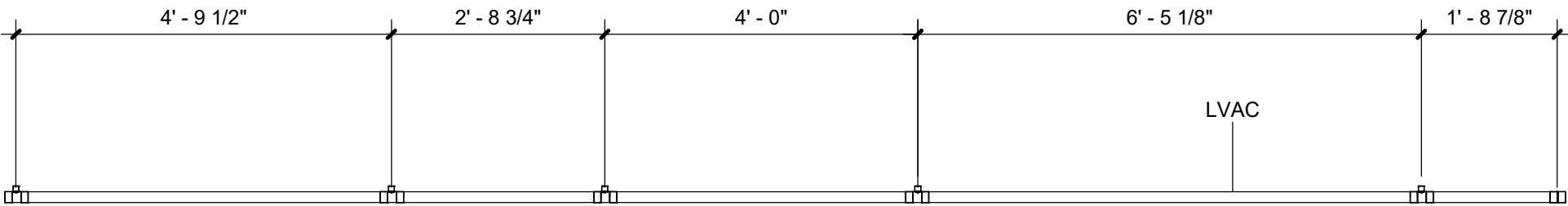
BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/9/2022 10:32:25 AM

| Mark | Qty | Size | Description | Length | Insulation |
|------|-----|--------------------|---|------------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 6'-4" | |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 4'-8 1/8" | |
| 03 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 3'-10 3/8" | |
| 04 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 2'-7 3/8" | |
| 05 | 1 | 1 1/2" | Cerro Type L Hard Copper - CFOS | 1'-8 1/8" | |
| 06 | 5 | 1 1/2"x3/4"x1 1/2" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | |
| 07 | 1 | 1 1/2" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | |



1 ISOMETRIC

SCALE:

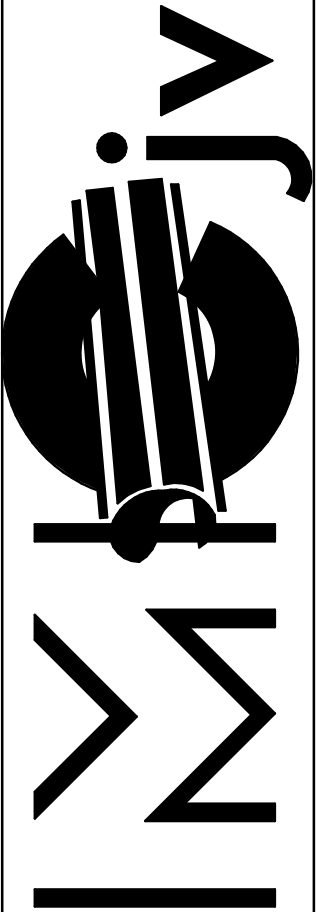


2 RIGHT ELEVATION

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

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

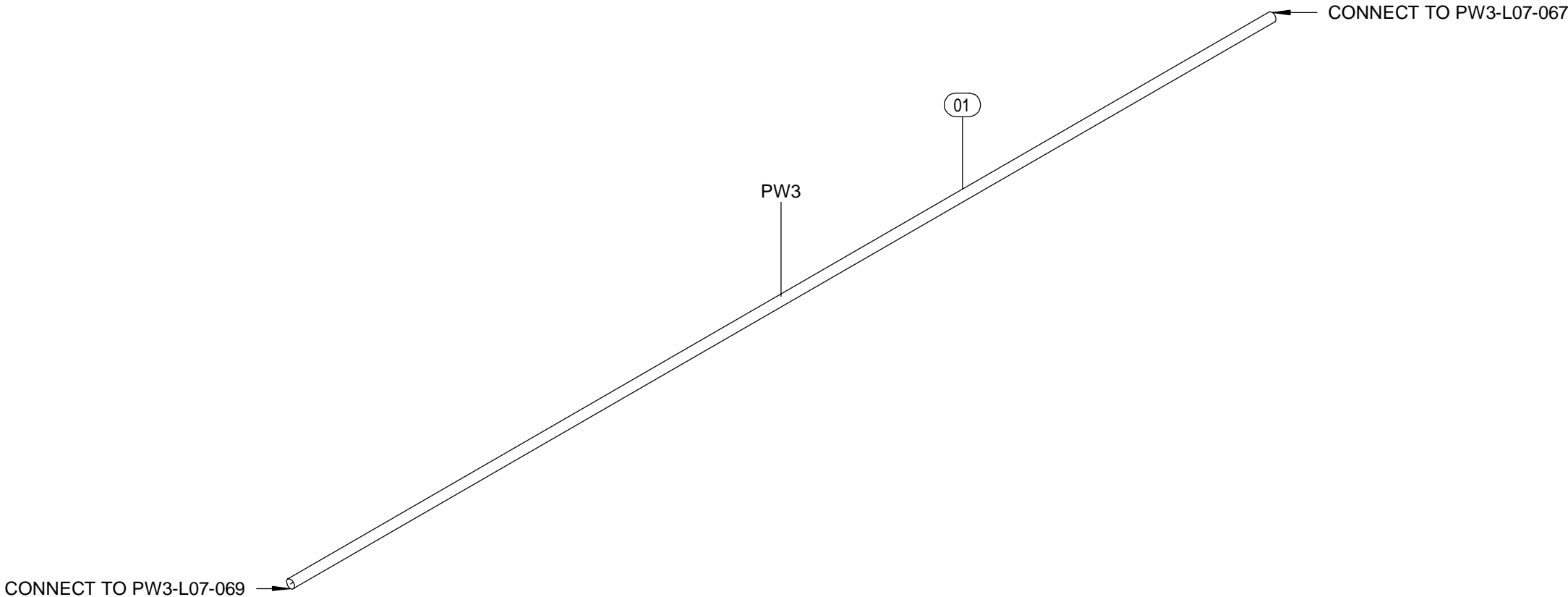
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | LVAC -L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



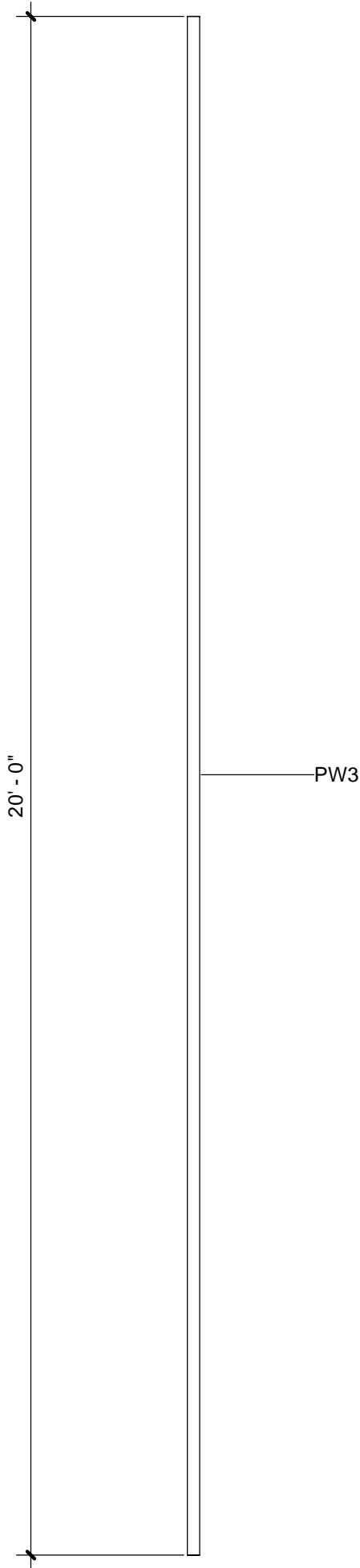
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 14:12:48

| 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" | | | | |



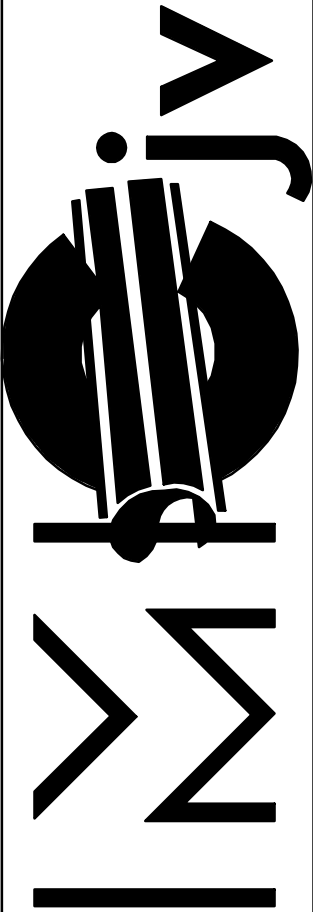
1 ISOMETRIC
SCALE:



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

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

| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | PW3 -L07-068 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



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