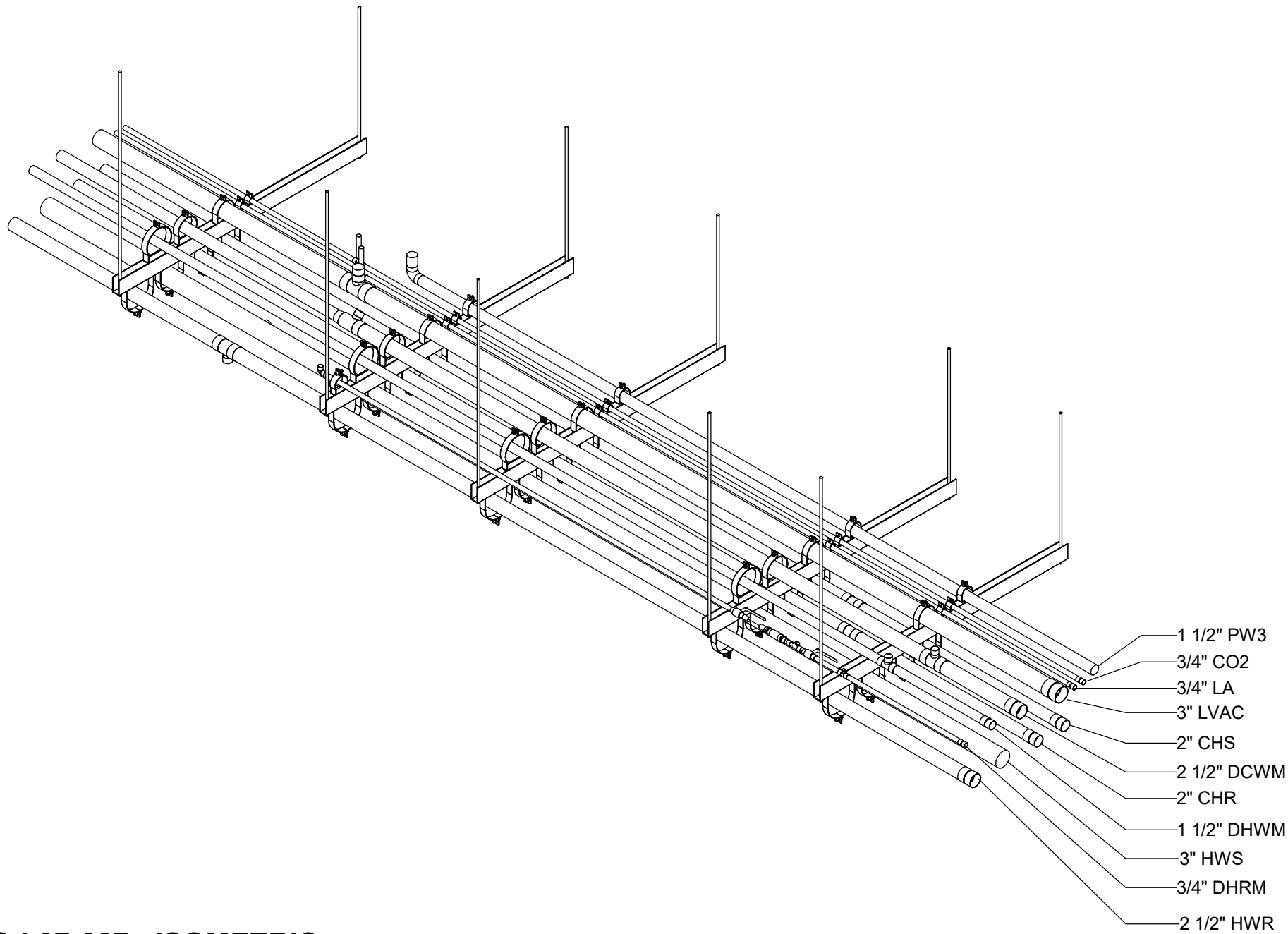
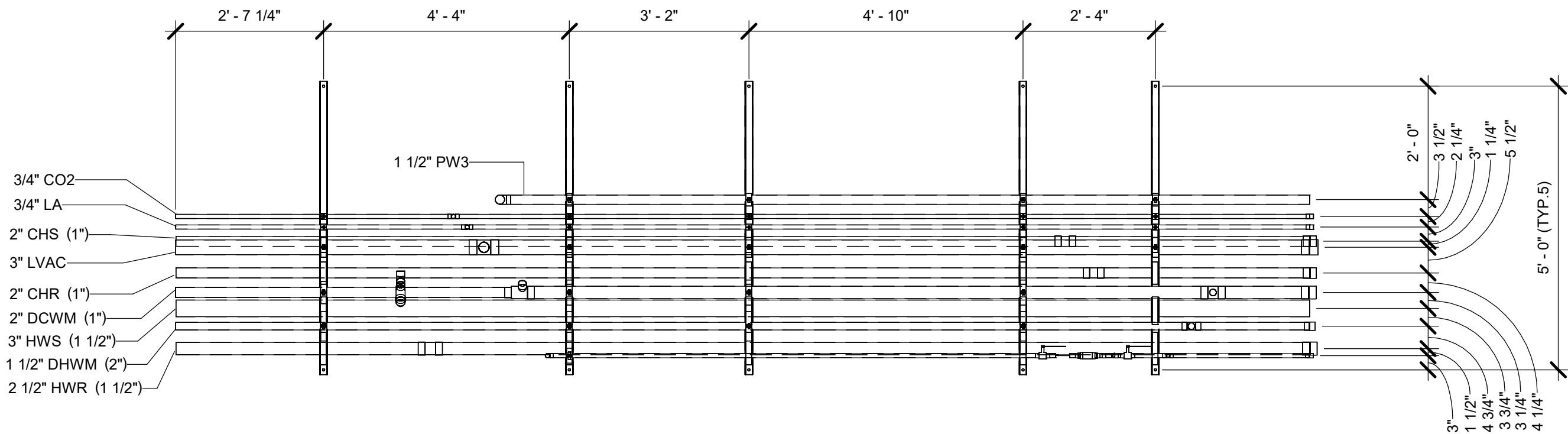


BIM 360/WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
12/15/2021 3:31:42 PM



1 AS-L07-027 - ISOMETRIC
AS-L07-027 SCALE:



2 AS-L07-027
AS-L07-027 SCALE: 1/2" = 1'-0"

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

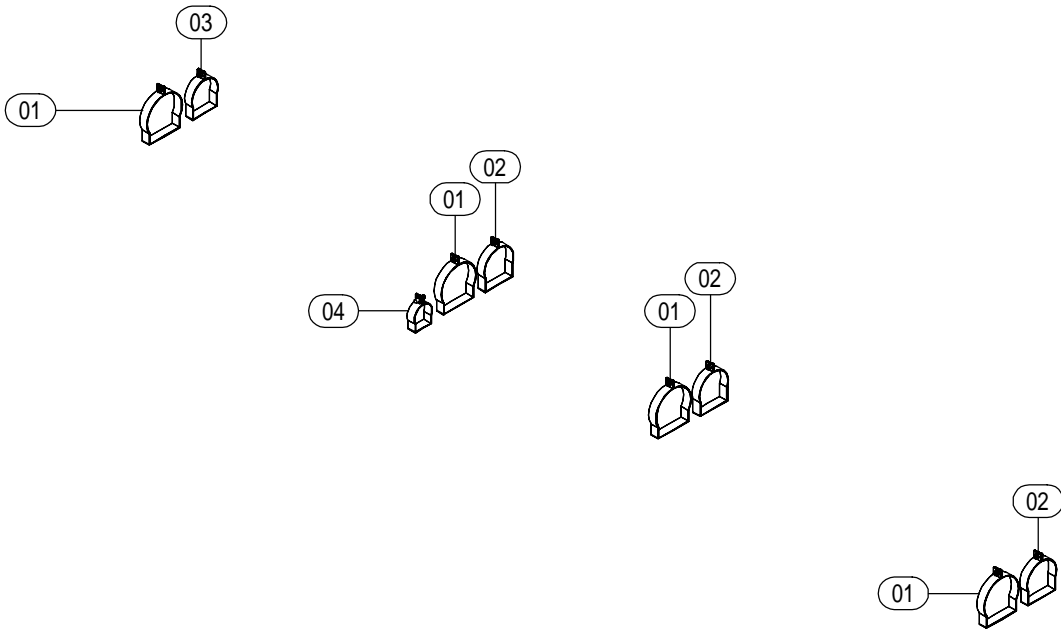


1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

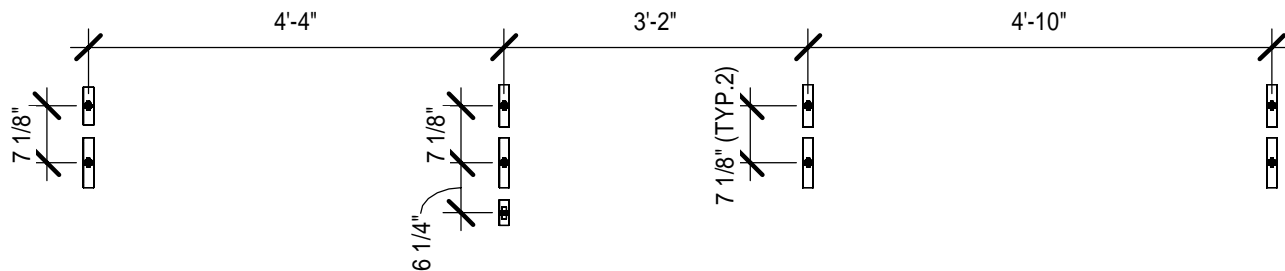
BIM 360://WUSM NRB/WUSM_RB_PLF.rvt
24-11-2021 16:16:24

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|--|--------|-------------|-------|-------|------------|
| 01 | 4 | 5.13" | B-Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |
| 02 | 3 | 4.63" | B-Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |
| 03 | 1 | 4.13" | B-Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |
| 04 | 1 | 2.63" | B-Line B2000 Series - OD Pipe and Conduit | | 0" | | 0" | |

| | | | |
|----|---|--------|--------------|
| 01 | 4 | 5 5/8" | B Line #2062 |
| 02 | 3 | 4 5/8" | B Line #2058 |
| 03 | 1 | 4 1/8" | B Line #2054 |
| 04 | 1 | 2 7/8" | B Line #2014 |



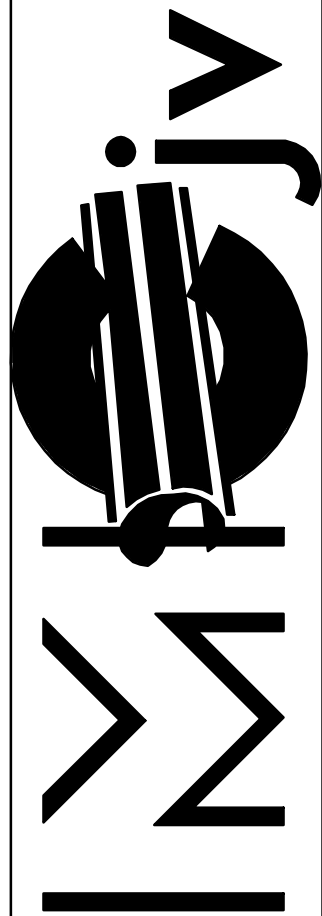
1 ISOMETRIC
SCALE:



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

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

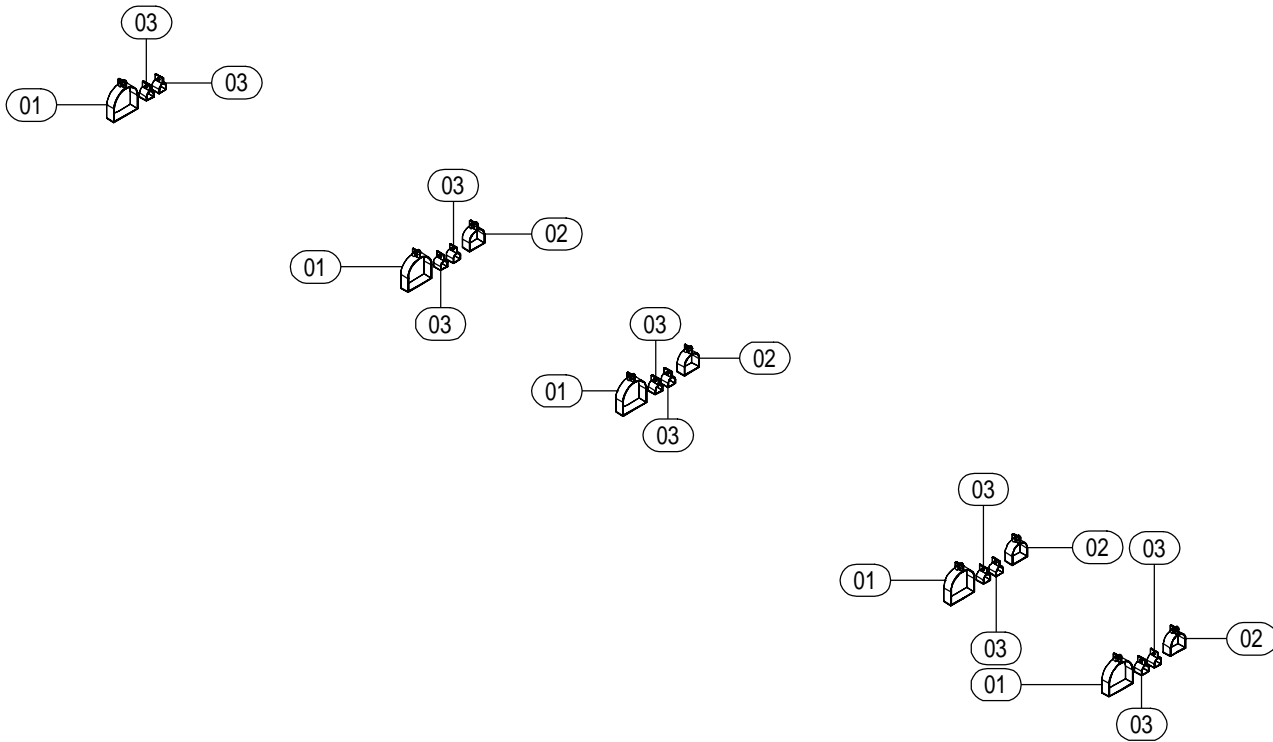
| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PPHGR-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



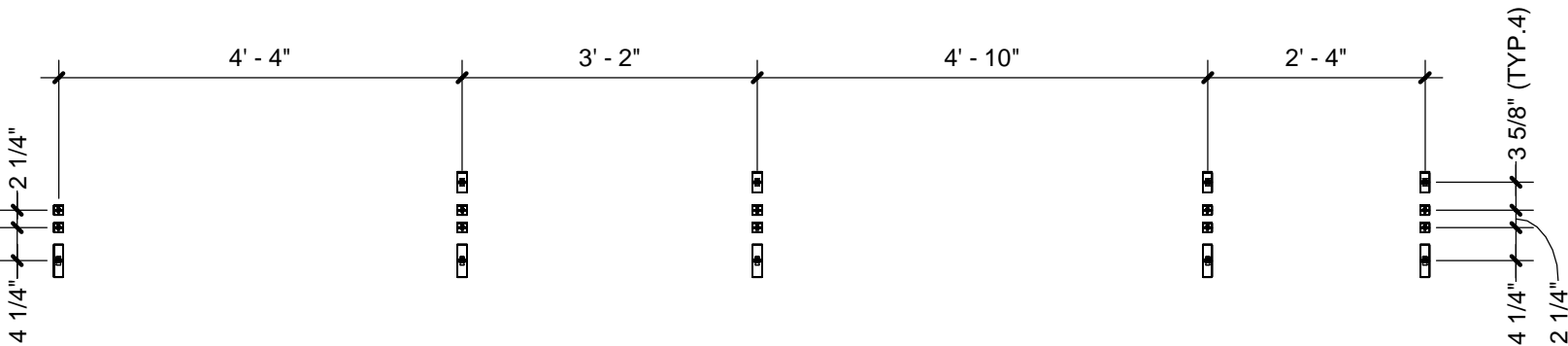
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 17:08:58

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|---|--------|-------------|-------|-------|------------|
| 01 | 5 | 3.5" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |
| 02 | 4 | 2" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |
| 03 | 10 | 0.75" | B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN | | 0" | | 0" | |



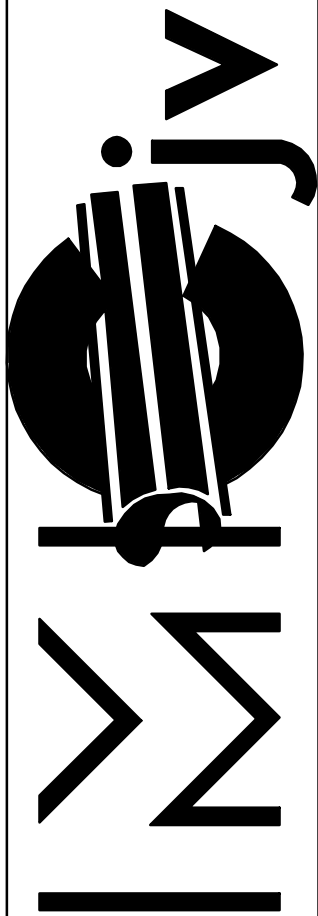
1 ISOMETRIC
SCALE:



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

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

| | |
|------------------|---------------|
| JOB: | WASH U NRB |
| TICKET: | PUHGR-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



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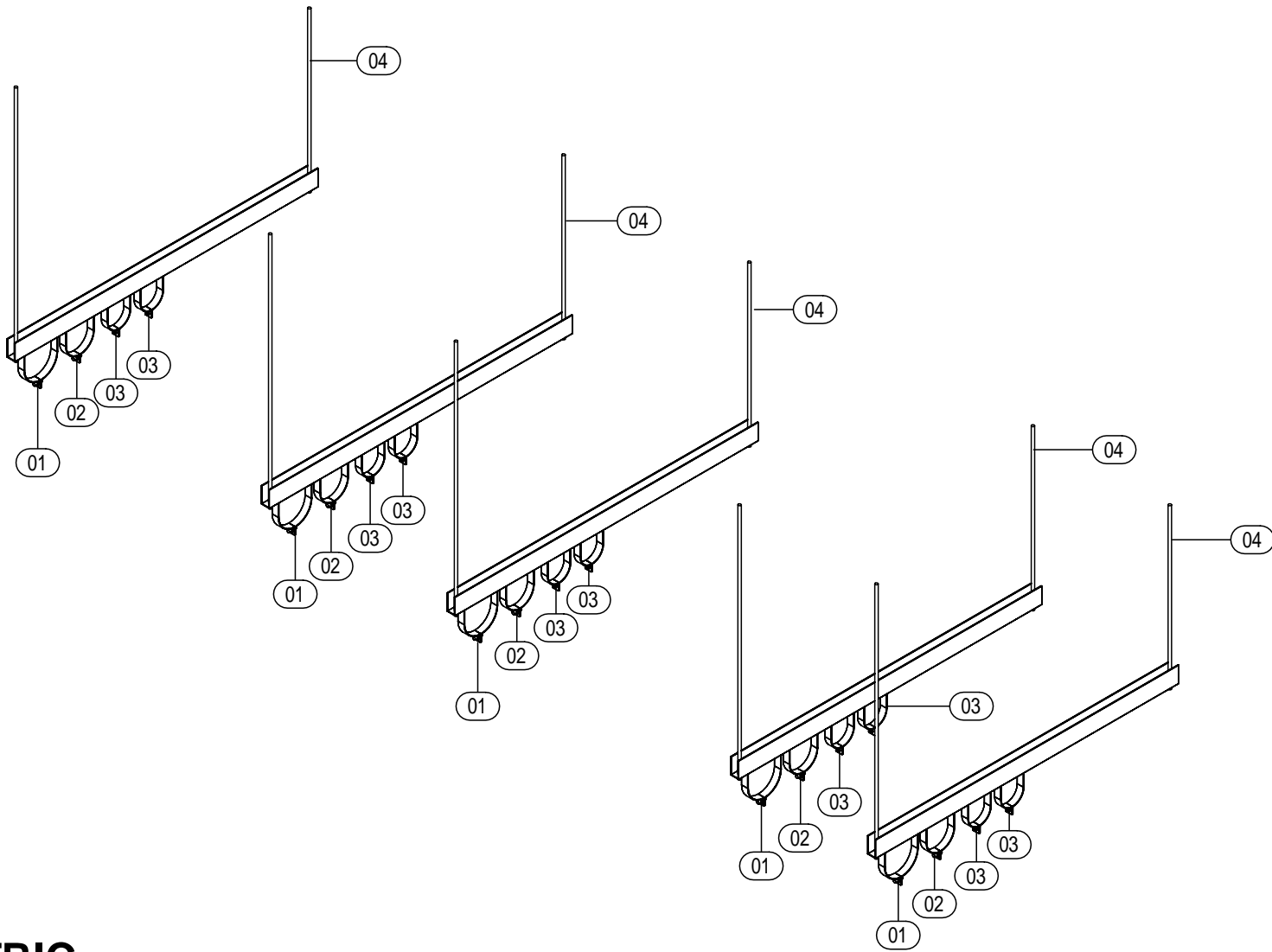
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 15:59:28

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|--|--------|-------------|-------------|-------------|------------|
| 01 | 5 | 6" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0" | | 0" | |
| 02 | 5 | 5" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0" | | 0" | |
| 03 | 10 | 4" | B-Line B2000 ZN Sch 40 Pipe Clamp | | 0" | | 0" | |
| 04 | 5 | 58" | B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut | | 5' - 2" | 4' - 0 5/8" | 2' - 8 5/8" | |

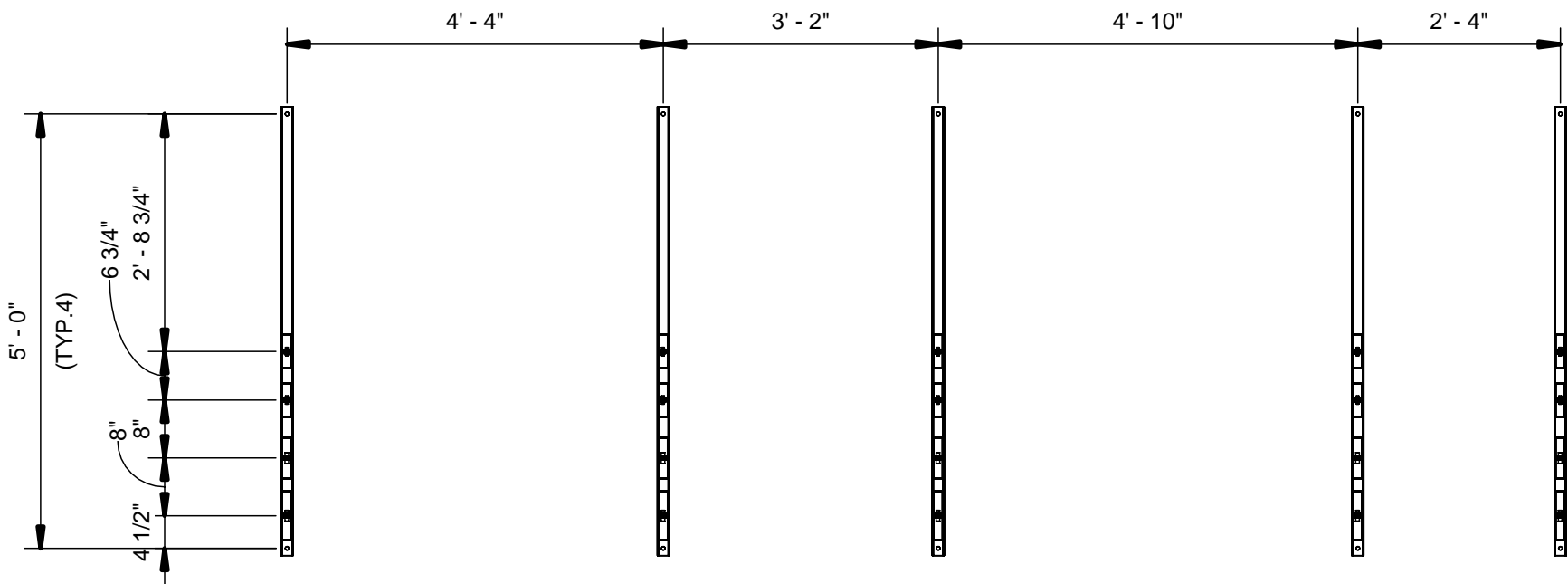
01 5 5 5/8" B Line #2066

02 5 6 5/8" B Line #2020

03 1 4 1/8" B Line #2054
0



1 ISOMETRIC
SCALE:



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

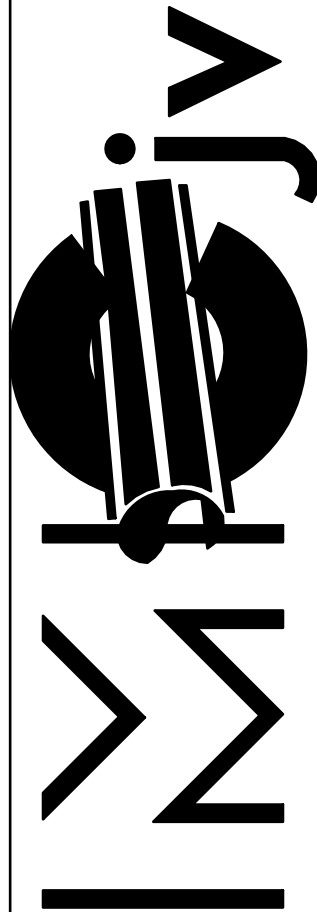
| | | | |
|----|----|----|----|
| A1 | A3 | B1 | B3 |
| A2 | A4 | B2 | B4 |

JOB: WASH U NRB

TICKET: HPHGR-L07-027

Drawn By: Author

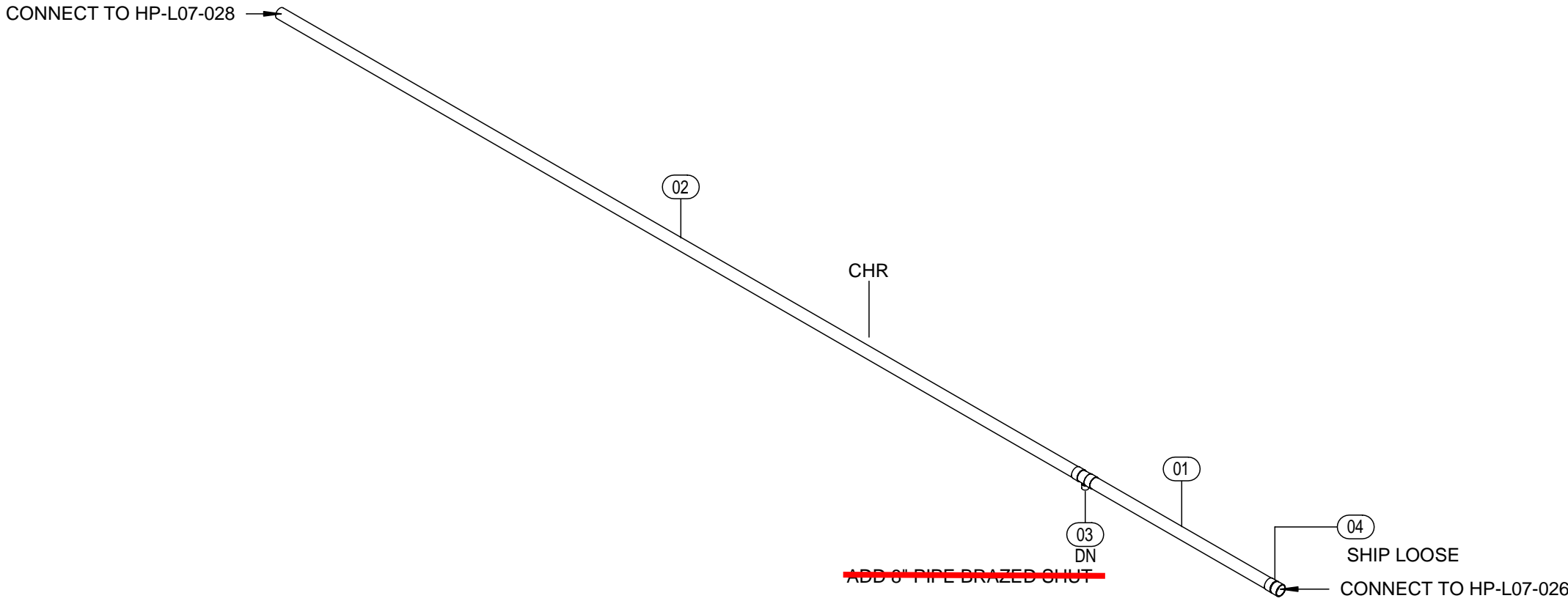
DATE: 11/24/21 DATE REQ:



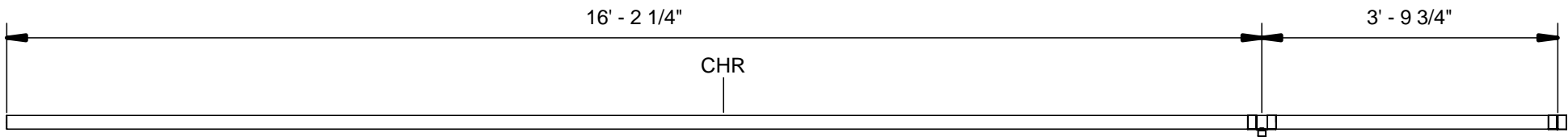
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 16:40:32

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 2" | Cerro Type K Hard Copper Pipe | 3'-8 13/16" | | | | 1" |
| 02 | 1 | 2" | Cerro Type K Hard Copper Pipe | 16'-1 3/8" | | | | 1" |
| 03 | 1 | 2"x1" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 04 | 1 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



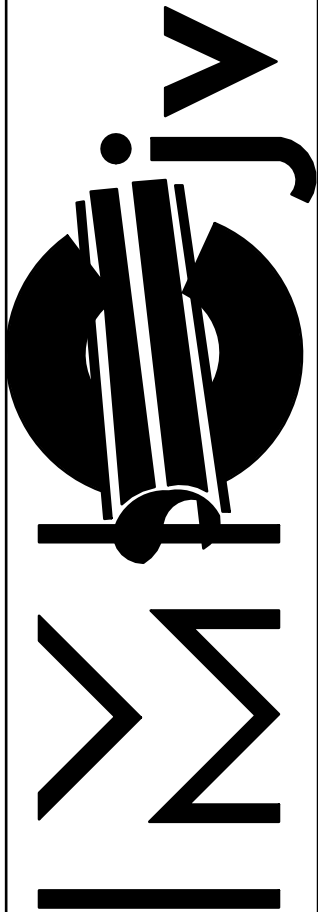
1 ISOMETRIC
SCALE:



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

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

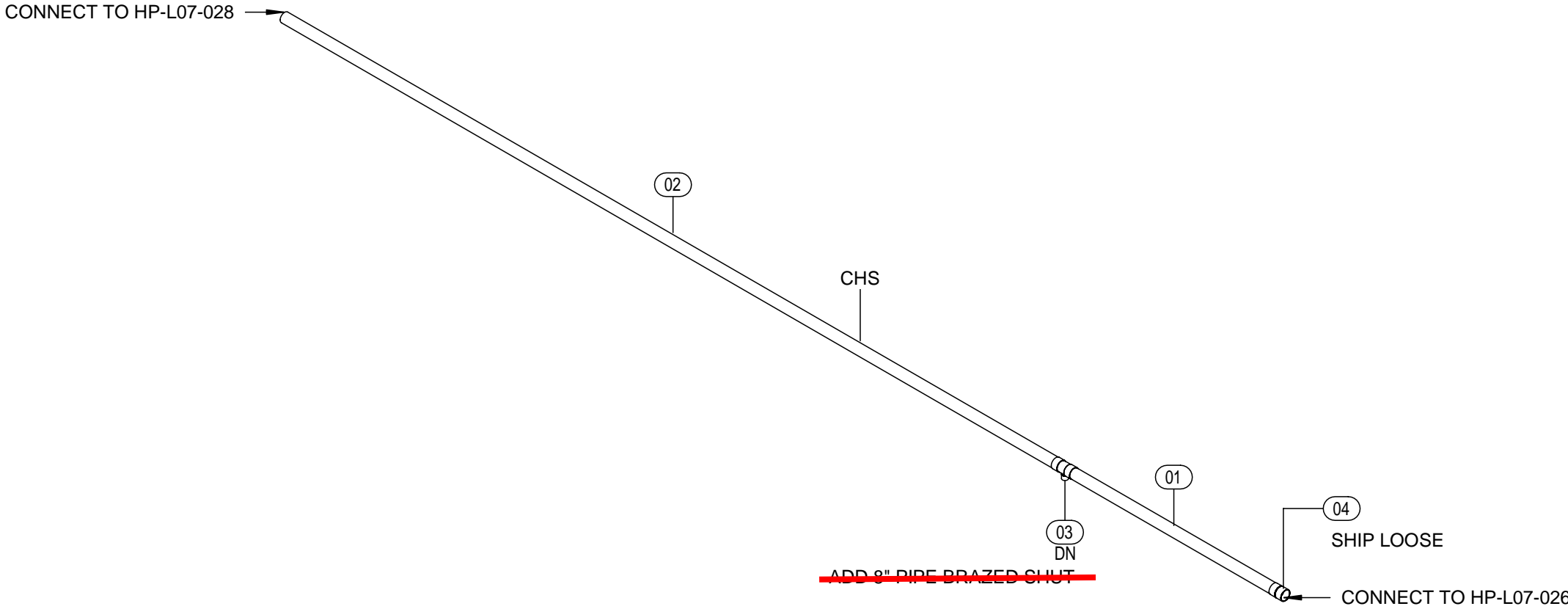
JOB: WASH U NRB
TICKET: CHR-L07-027
Drawn By: Author
DATE: 11/24/21
DATE REQ:



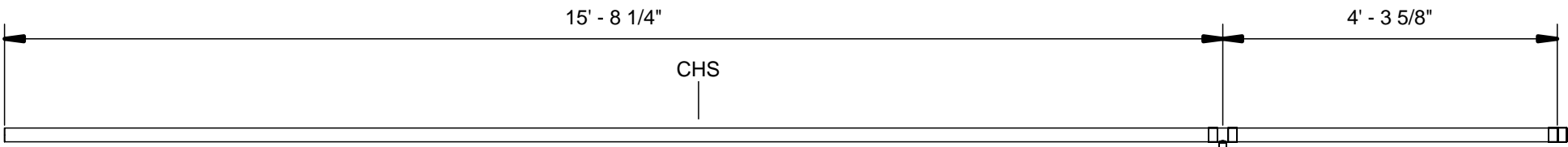
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 18:23:13

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-------|--|-------------|-------------|-------|-------|------------|
| 01 | 1 | 2" | Cerro Type K Hard Copper Pipe | 4'-2 13/16" | | | | 1" |
| 02 | 1 | 2" | Cerro Type K Hard Copper Pipe | 15'-7 3/8" | | | | 1" |
| 03 | 1 | 2"x1" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 04 | 1 | 2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



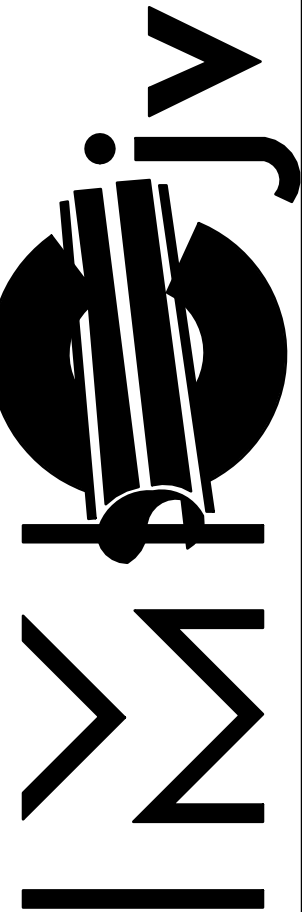
1 ISOMETRIC
SCALE:



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

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

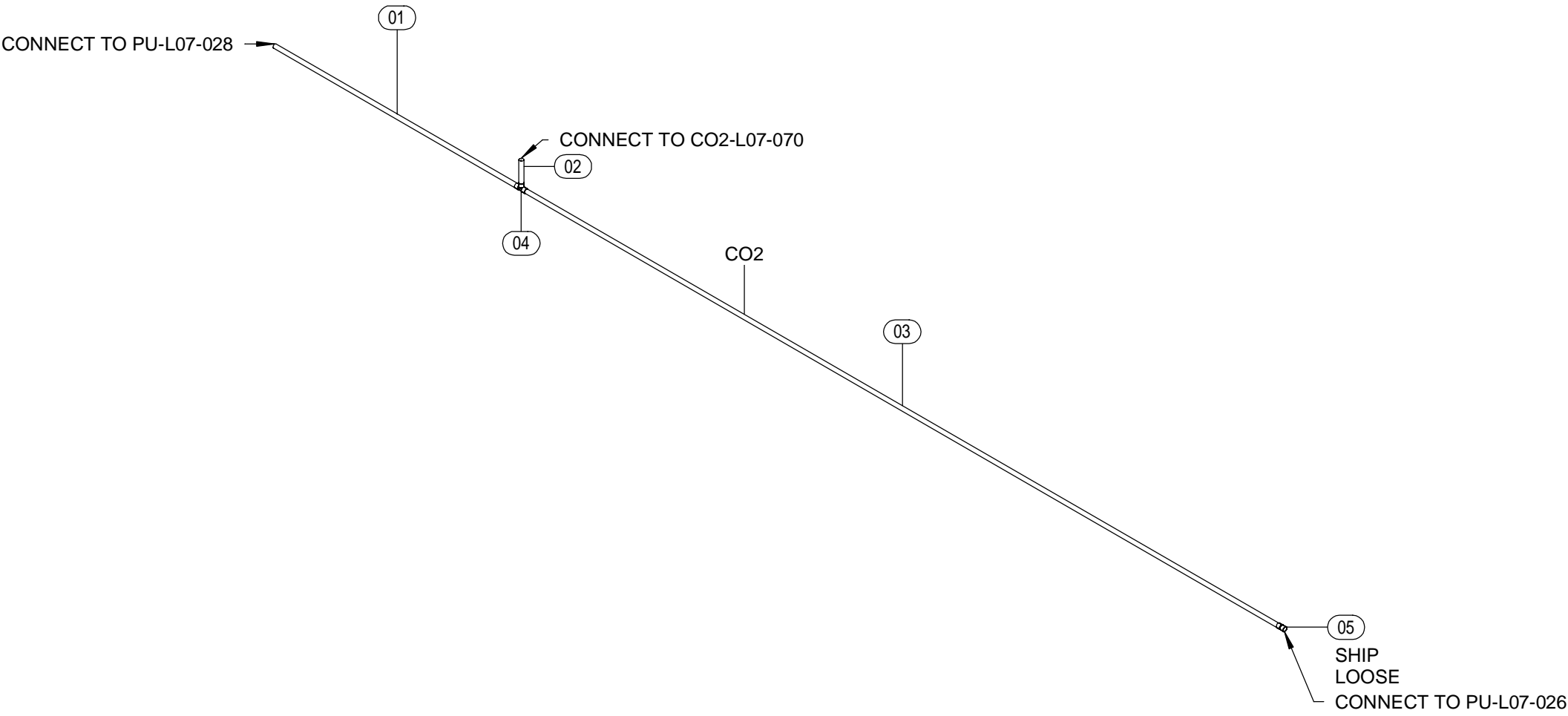
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | CHS-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



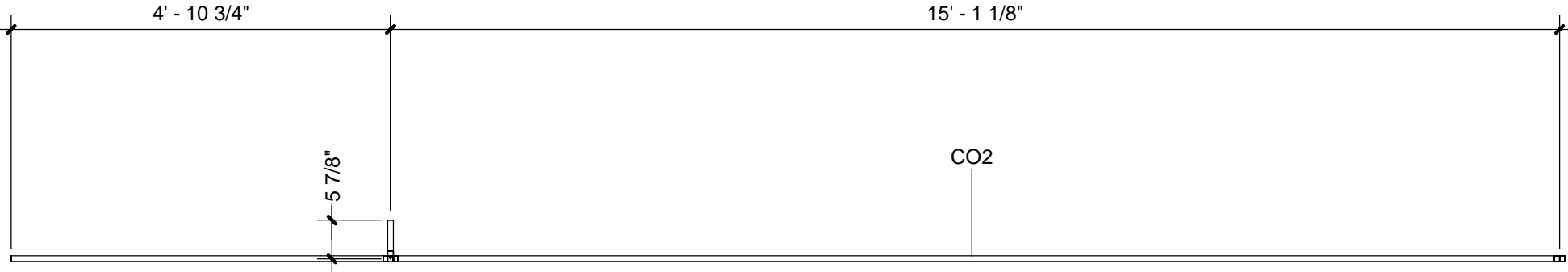
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 16:07:49

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|---|--------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 4'-10 5/16" | | | | |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 0'-5 1/2" | | | | |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 15'-0 11/16" | | | | |
| 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 | | | | | |



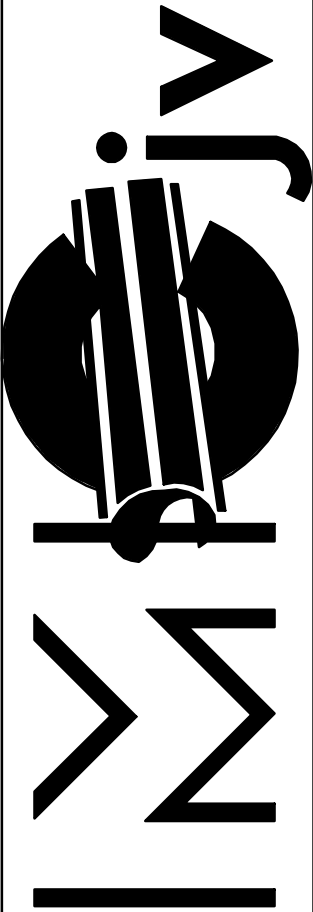
1 ISOMETRIC
SCALE:



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

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

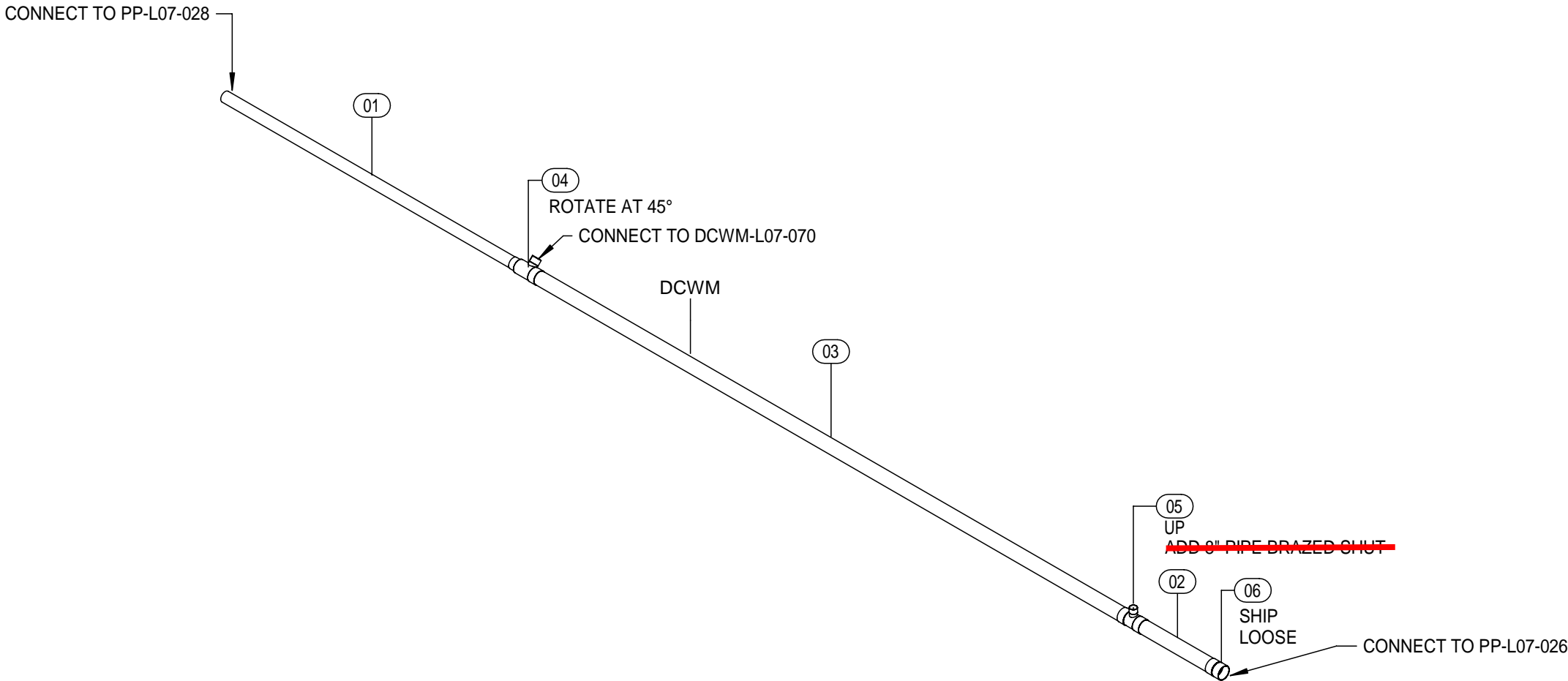
| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | CO2-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



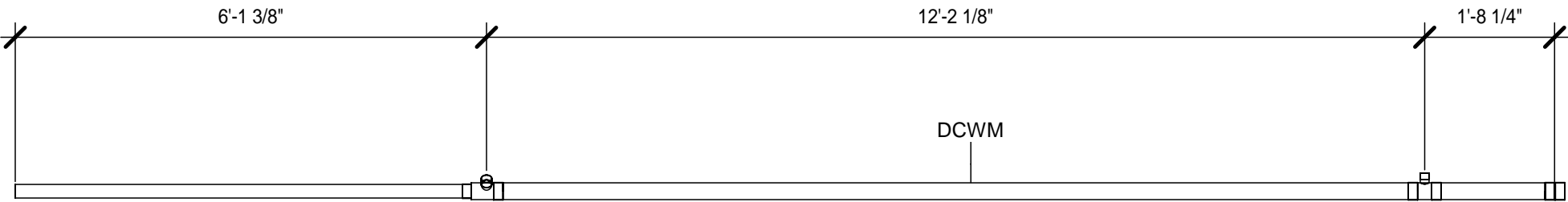
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 11:20:20 AM

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------------------|--|---------------|-------------|-------|-------|------------|
| 01 | 1 | 2" | Cerro Type L Hard Copper Pipe | 5'-11" | | | | 1" |
| 02 | 1 | 2 1/2" | Cerro Type L Hard Copper Pipe | 1'-7 1/8" | | | | 1" |
| 03 | 1 | 2 1/2" | Cerro Type L Hard Copper Pipe | 11'-11 15/16" | | | | 1" |
| 04 | 1 | 2 1/2"x2"x1 1/2" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 05 | 1 | 2 1/2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 06 | 1 | 2 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



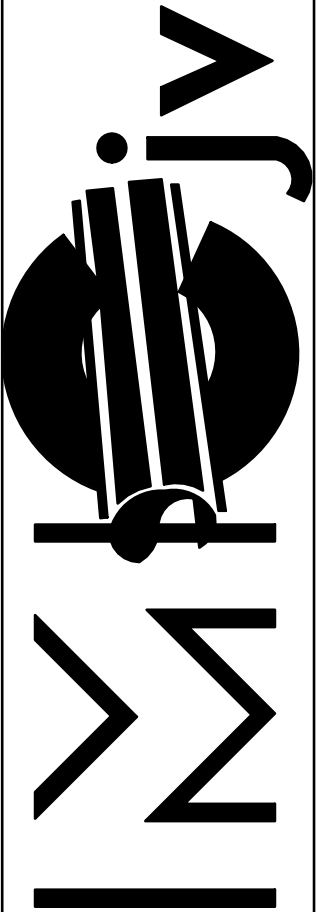
1 ISOMETRIC
SCALE:



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

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

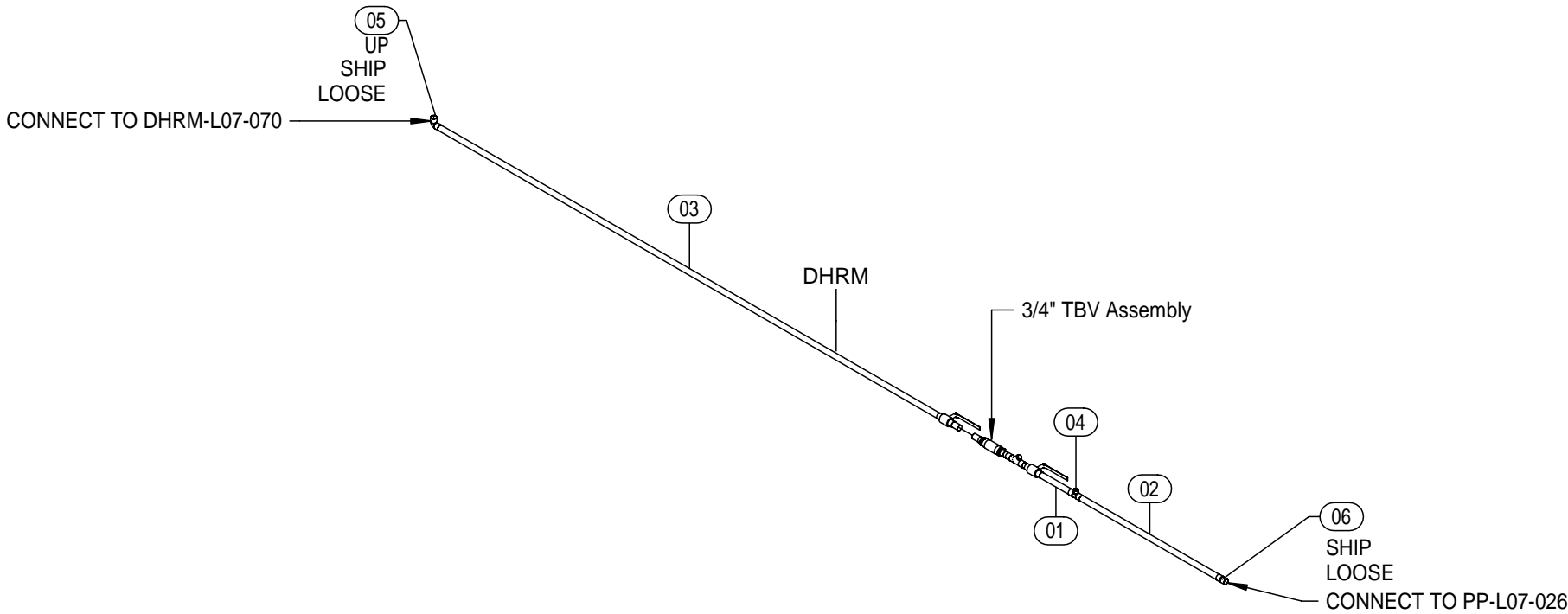
| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | DCWM-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



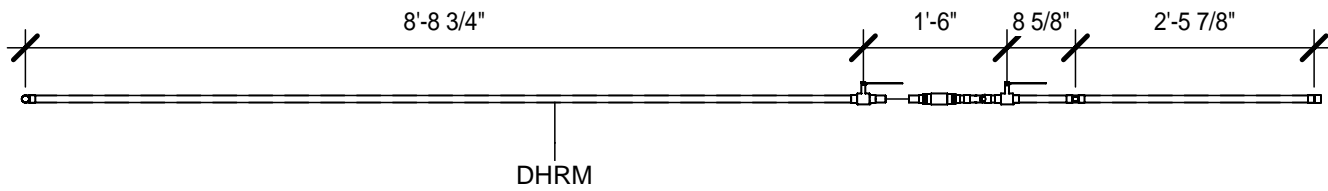
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
01-12-2021 11:47:18

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-----------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper Pipe | 0'-7 7/16" | | | | 1" |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper Pipe | 2'-5 7/16" | | | | 1" |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper Pipe | 8'-7 7/16" | | | | 1" |
| 04 | 1 | 3/4"x1/2" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 1" |
| 05 | 1 | 3/4" | Nibco Wrot 607 90 Deg Ell CxC | | | | | 1" |
| 06 | 1 | 3/4" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 1" |



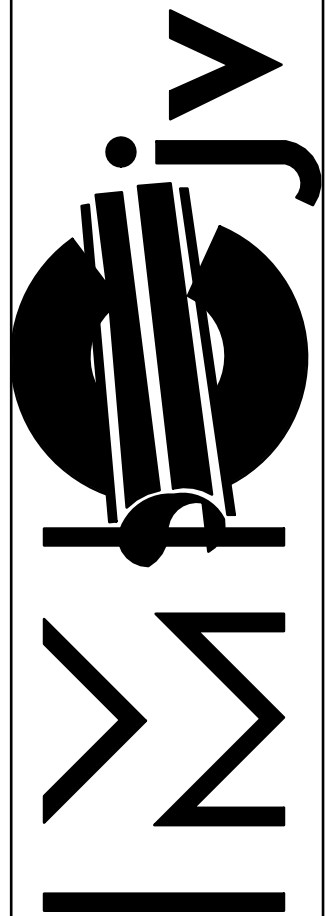
1 ISOMETRIC
SCALE:



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

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

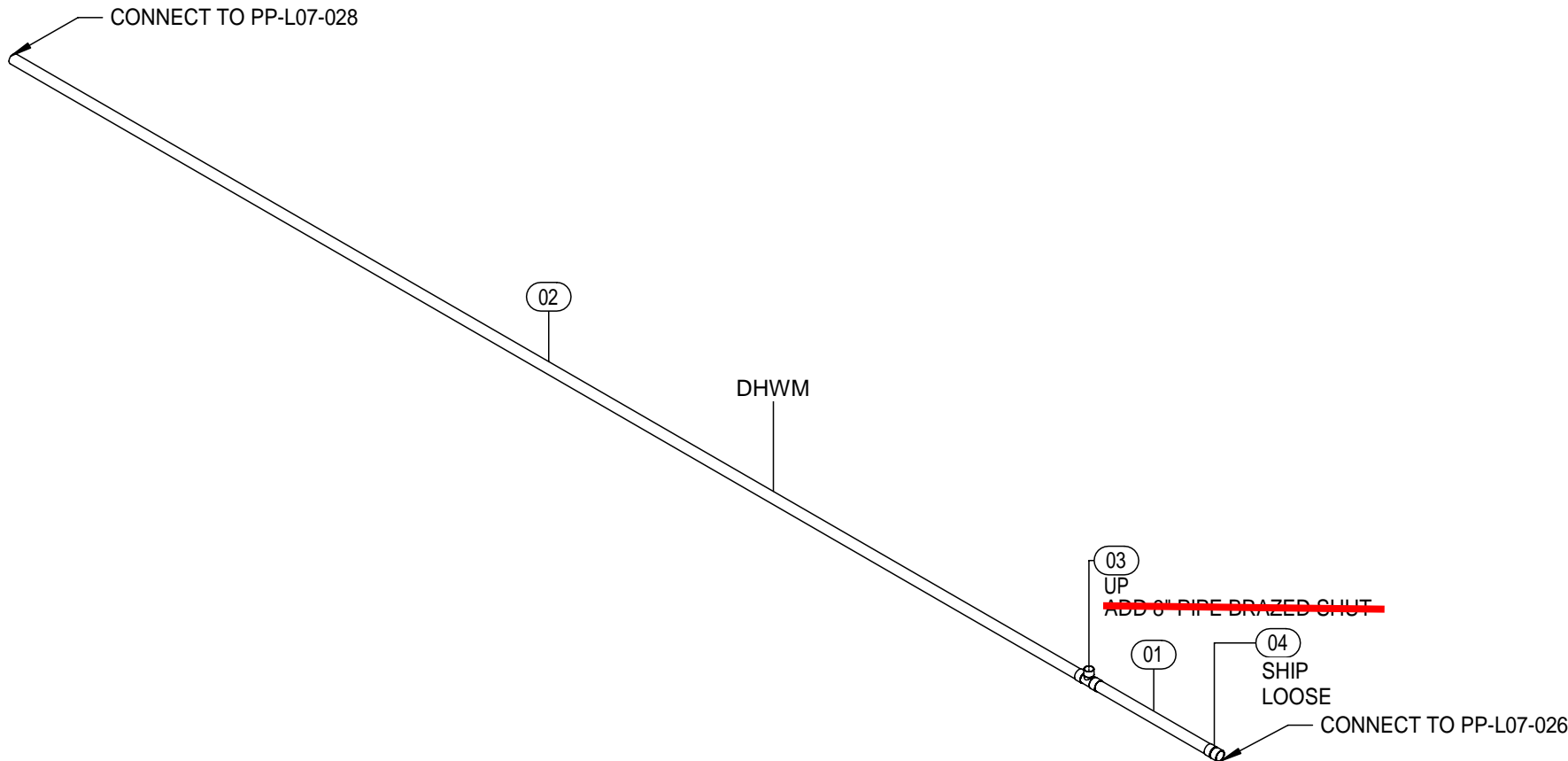
| |
|----------------------|
| JOB: WASH U NRB |
| TICKET: DHRM-L07-027 |
| Drawn By: Author |
| DATE: 12/01/21 |
| DATE REQ: |



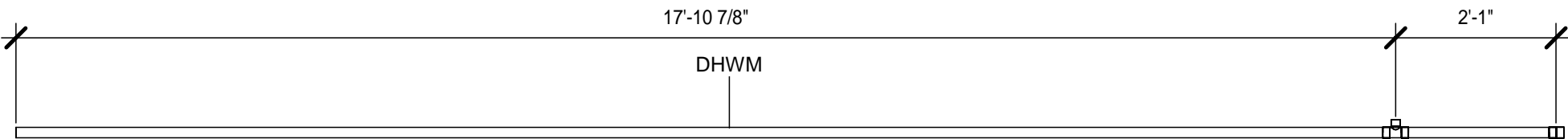
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 12:13:36 PM

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|---------------|--|------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 2'-0 1/16" | | | | 2" |
| 02 | 1 | 1 1/2" | Cerro Type L Hard Copper Pipe | 17'-10" | | | | 2" |
| 03 | 1 | 1 1/2"x1 1/4" | Nibco Wrot 611R CxCxC Reducing Tee | | | | | 2" |
| 04 | 1 | 1 1/2" | Nibco Wrot 600 Dimpled Stop Coupling CxC | | | | | 2" |



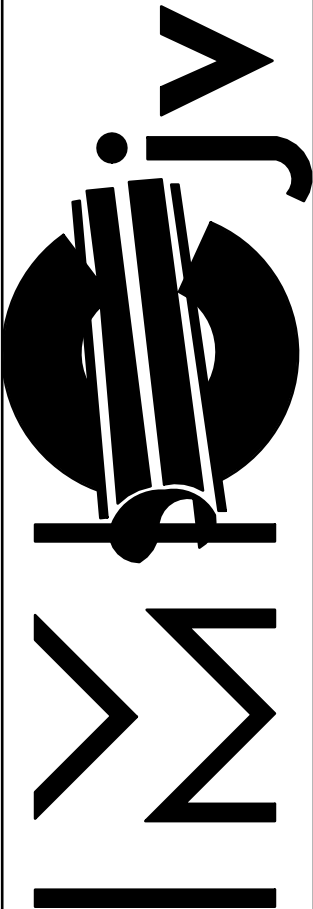
1 ISOMETRIC
SCALE:



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

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

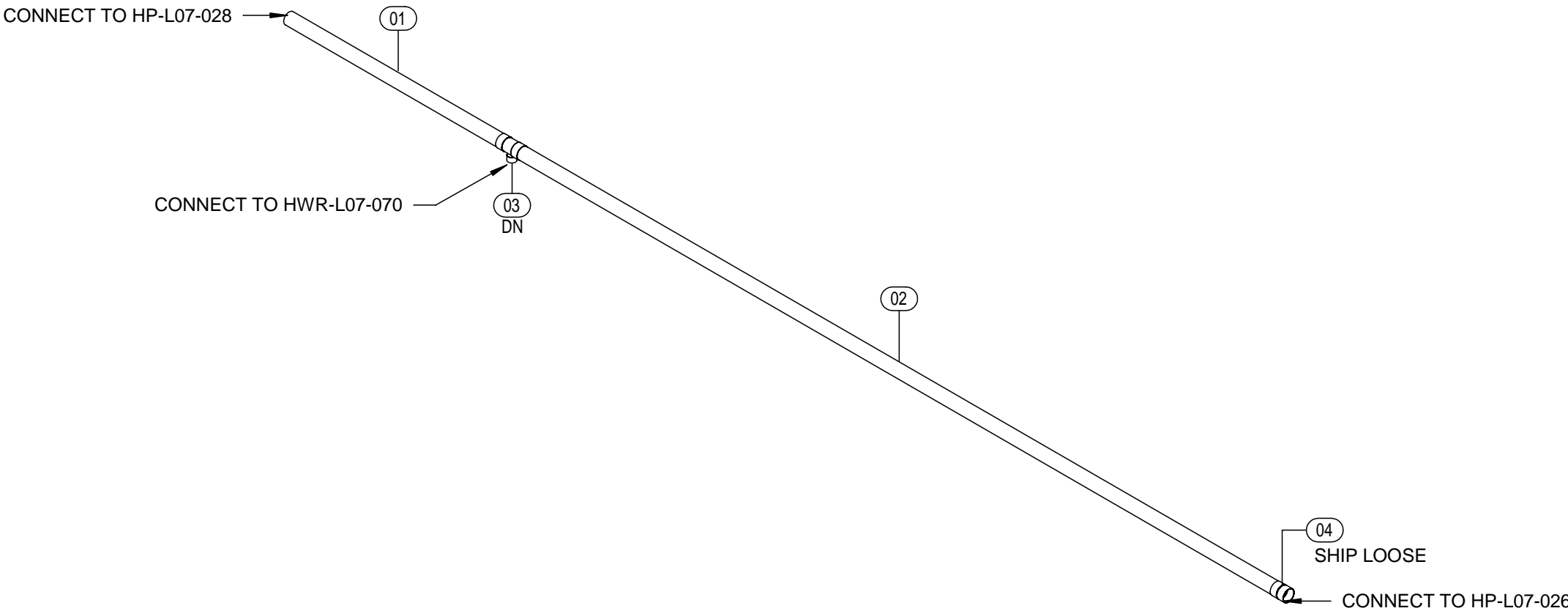
| | |
|------------------|--------------|
| JOB: | WASH U NRB |
| TICKET: | DHWM-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



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314-997-6600 phone

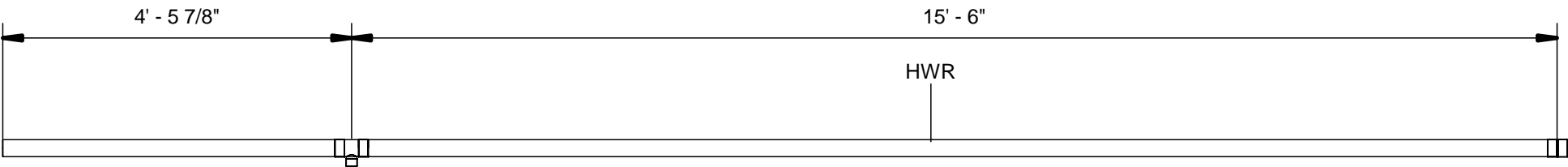
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 18:26:48

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|---------------|--|--------------|-------------|-------|-------|------------|
| 01 | 1 | 2 1/2" | Cerro Type K Hard Copper Pipe | 4'-4 3/4" | | | | 1 1/2" |
| 02 | 1 | 2 1/2" | Cerro Type K Hard Copper Pipe | 15'-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:

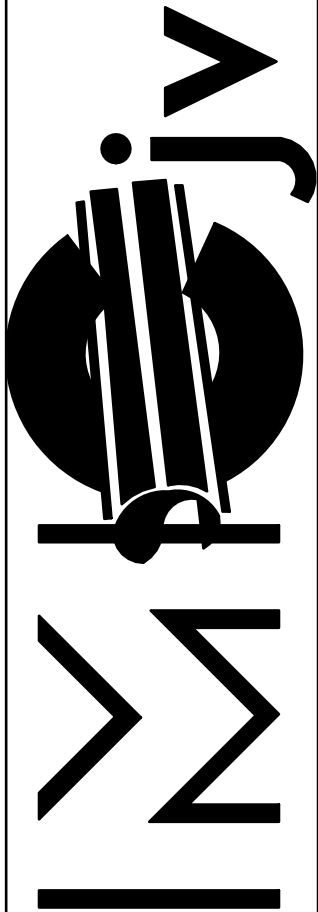


2 FRONT ELEVATION

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

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

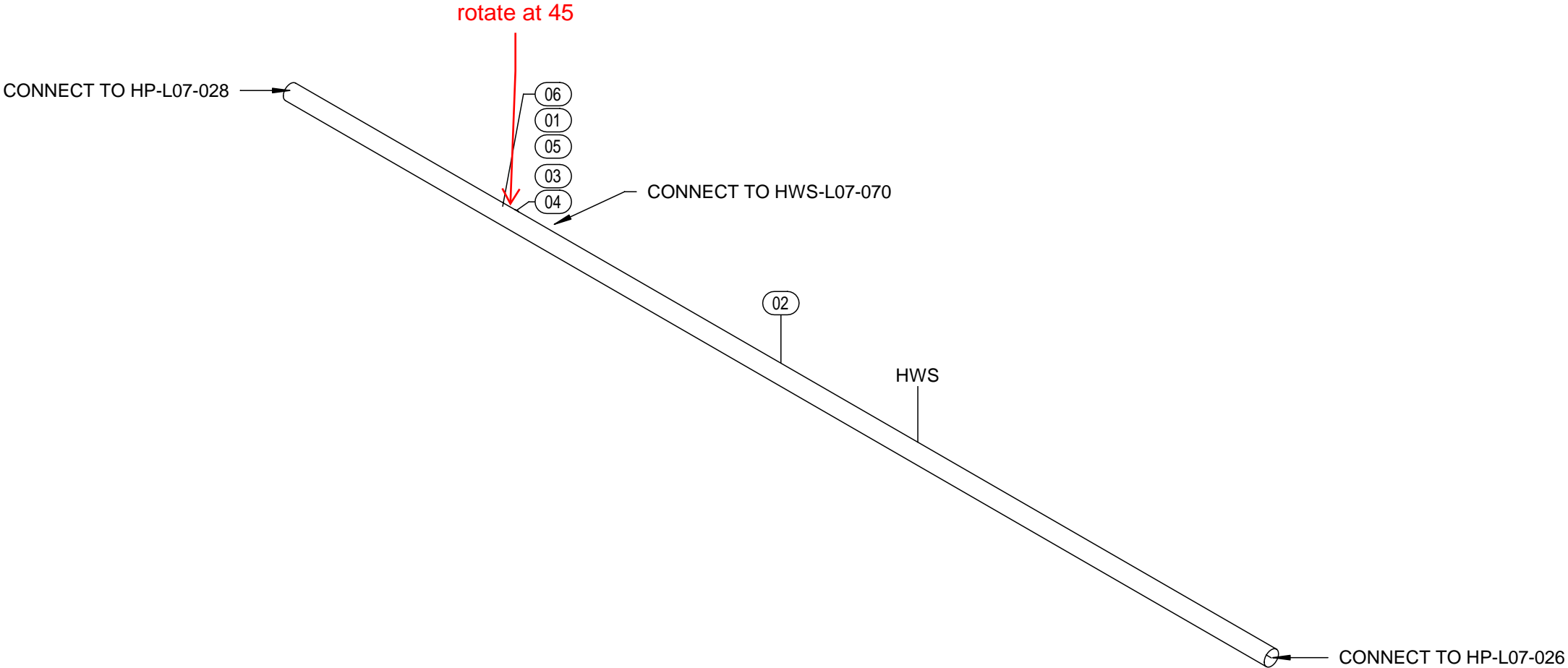
JOB: WASH U NRB
TICKET: HWR-L07-027
Drawn By: Author
DATE: 11/24/21
DATE REQ:



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

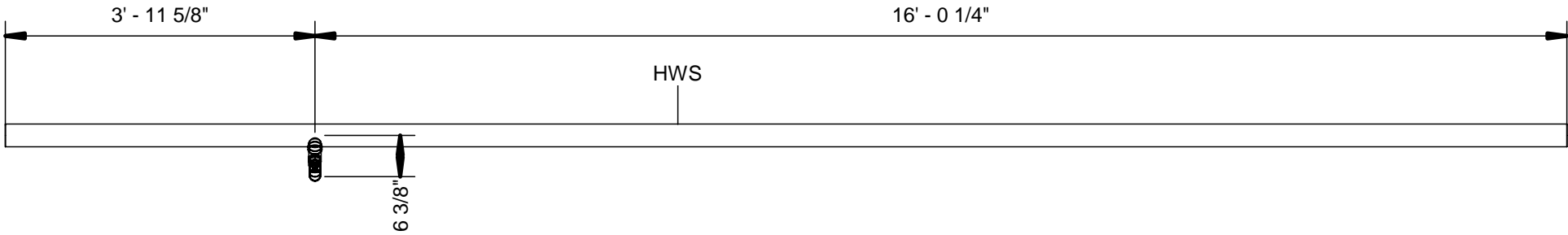
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 18:10:38

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|-----------|---|-------------|-------------|-------|-------|------------|
| 01 | 1 | 1 1/2" | Victaulic No.647 TT Dielectric Transition Fitting | 0'-4" | | | | 1 1/2" |
| 02 | 1 | 3" | Chicago Area Sch 40 SA-53B CS ERW Pipe PE | 19'-11 7/8" | | | | 1 1/2" |
| 03 | 1 | 1 1/2" | Geno Type K Hard Copper Pipe | 8'-2" | | | | 1 1/2" |
| 04 | 1 | 1 1/2" | Nibco Wrot 90° 45 Deg Ell CxO | | | | | 1 1/2" |
| 05 | 1 | 1 1/2" | Nibco Wrot 90° Adaptor CxO | | | | | 1 1/2" |
| 06 | 1 | 3"x1 1/2" | Anvil 3000# FS Thread-O-Let | | | | | 1 1/2" |



1 ISOMETRIC

SCALE:

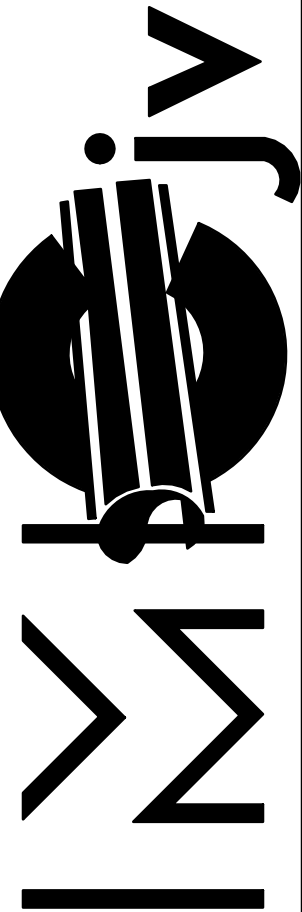


2 FRONT ELEVATION

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

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

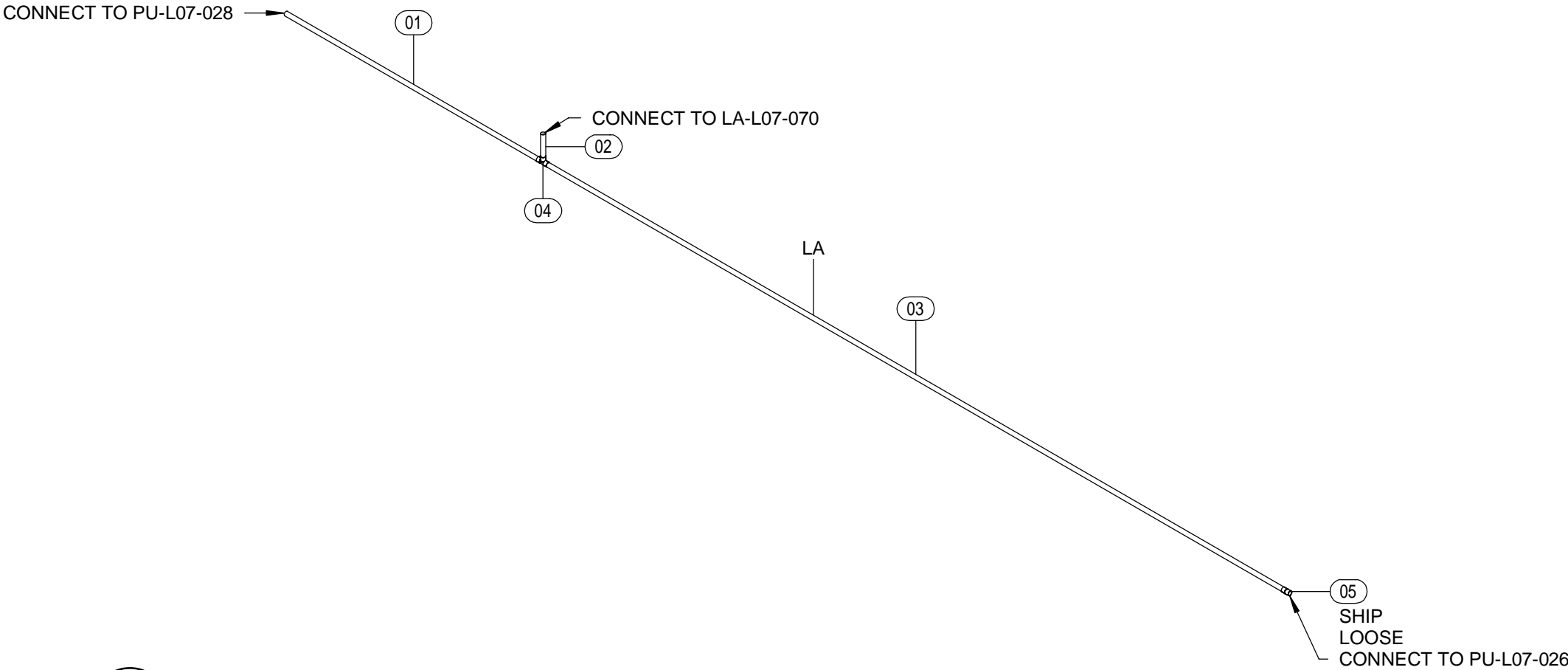
JOB: WASH U NRB
TICKET: HWS-L07-027
Drawn By: Author
DATE: 11/24/21
DATE REQ:



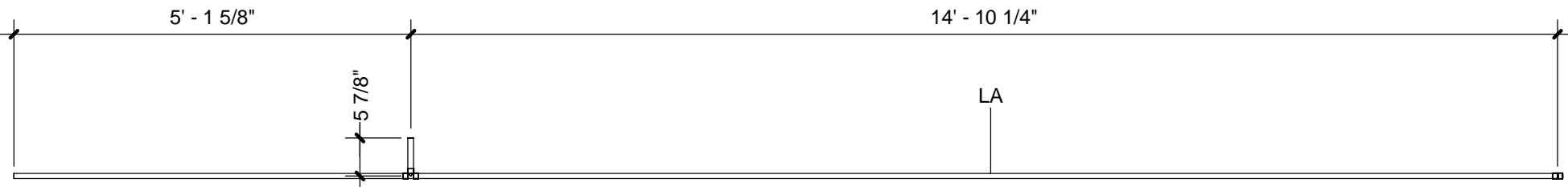
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 16:07:28

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|------|---|--------------|-------------|-------|-------|------------|
| 01 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 5'-1 1/4" | | | | |
| 02 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 0'-5 1/2" | | | | |
| 03 | 1 | 3/4" | Cerro Type L Hard Copper - CFOS | 14'-9 13/16" | | | | |
| 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 | | | | | |



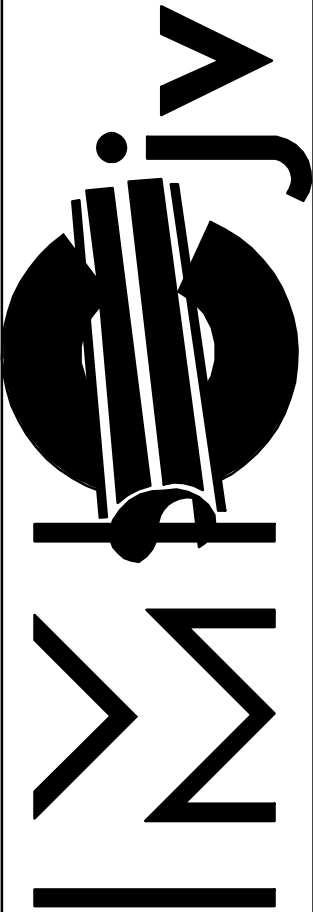
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SCALE:



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

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

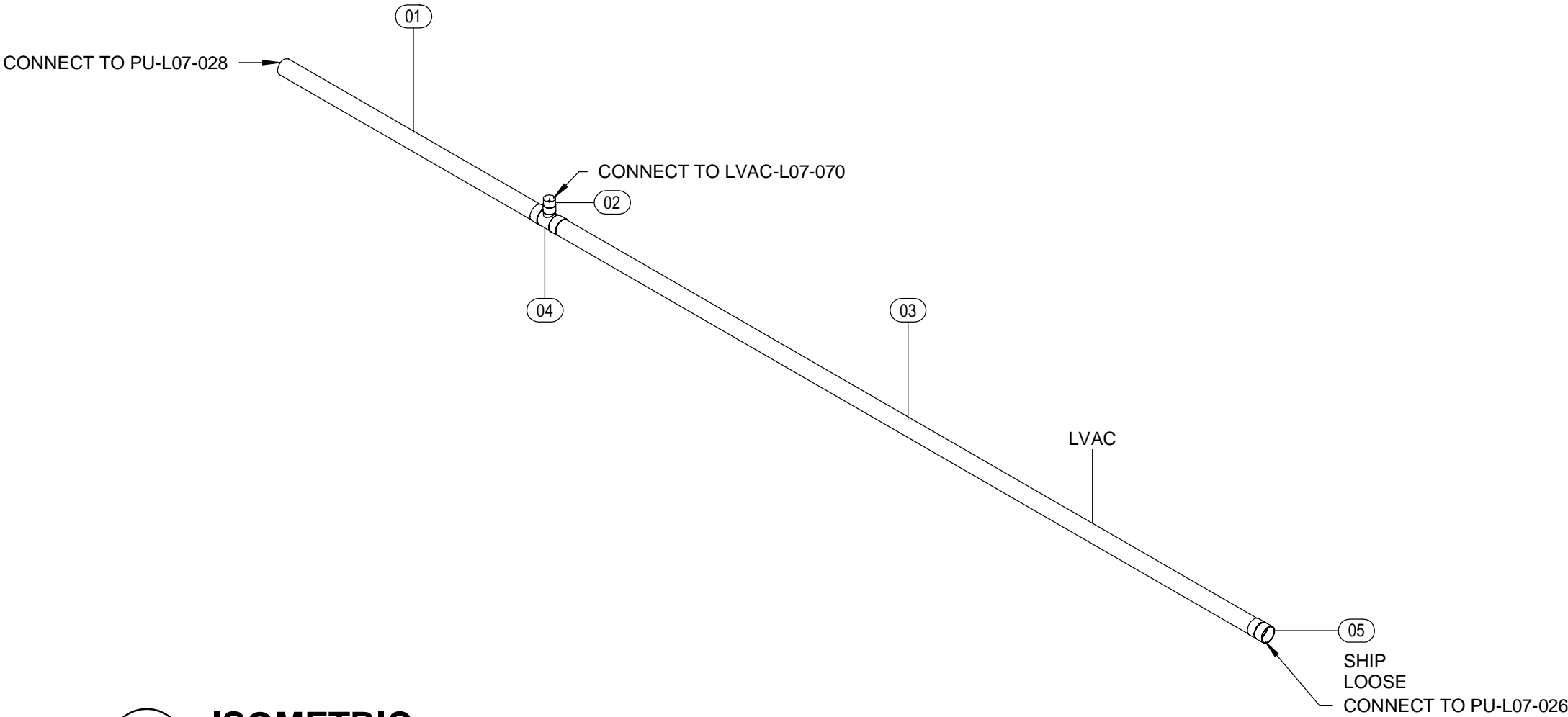
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|------------------|------------|
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| TICKET: | LA-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



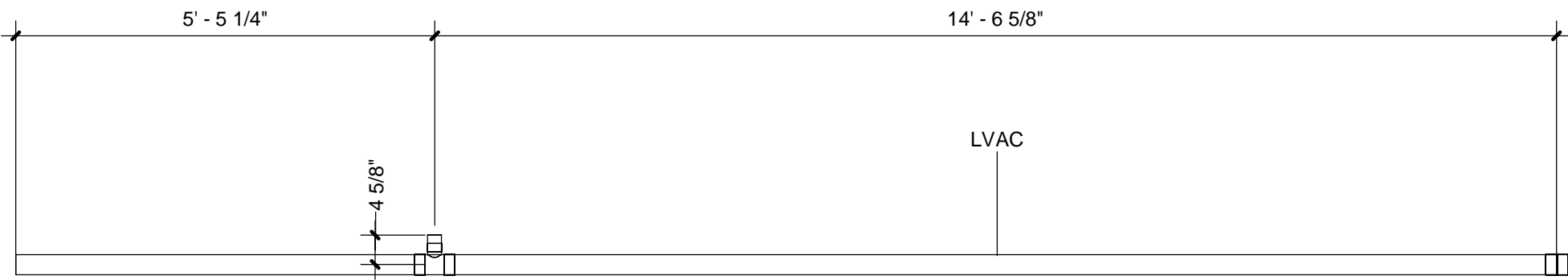
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 16:06:51

| Mark | Qty | Size | Description | Length | Strut Width | Rob 1 | Rob 2 | Insulation |
|------|-----|----------|---|-------------|-------------|-------|-------|------------|
| 01 | 1 | 3" | Cerro Type L Hard Copper - CFOS | 5'-3 3/4" | | | | |
| 02 | 1 | 2" | Cerro Type L Hard Copper - CFOS | 0'-2 5/8" | | | | |
| 03 | 1 | 3" | Cerro Type L Hard Copper - CFOS | 14'-5 3/16" | | | | |
| 04 | 1 | 3"x2"x3" | Nibco 611R-CB CFOS Wrot Copper Reducing Tee | | | | | |
| 05 | 1 | 3" | Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop | | | | | |



1 ISOMETRIC
SCALE:



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

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

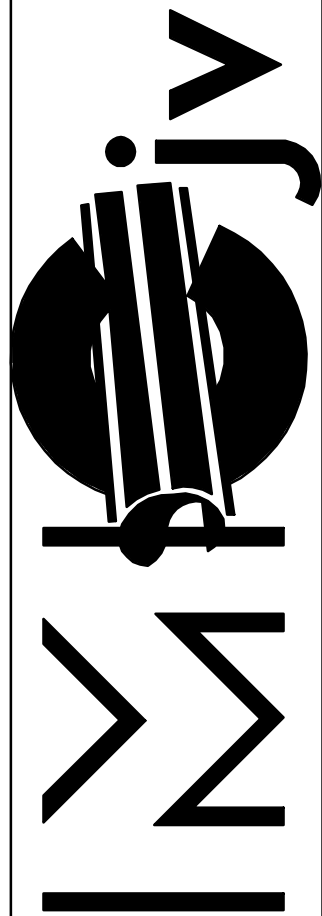
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TICKET: LVAC-L07-027

Drawn By: Author

DATE: 11/24/21

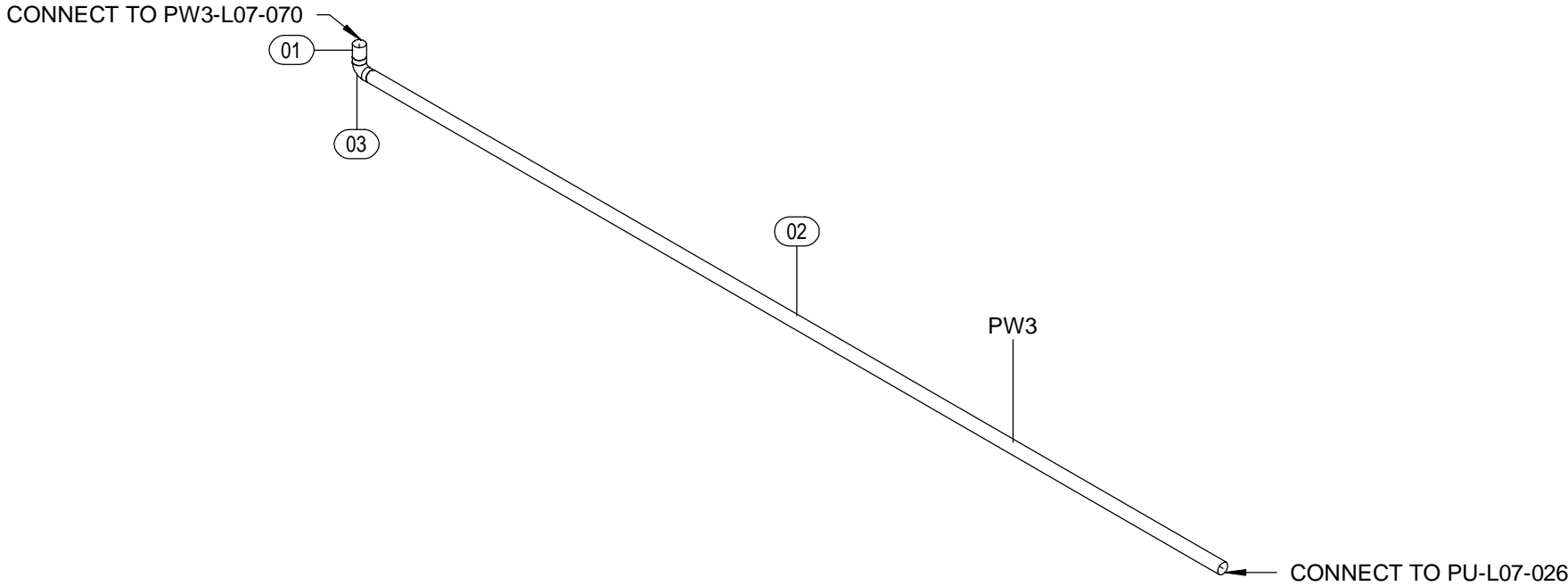
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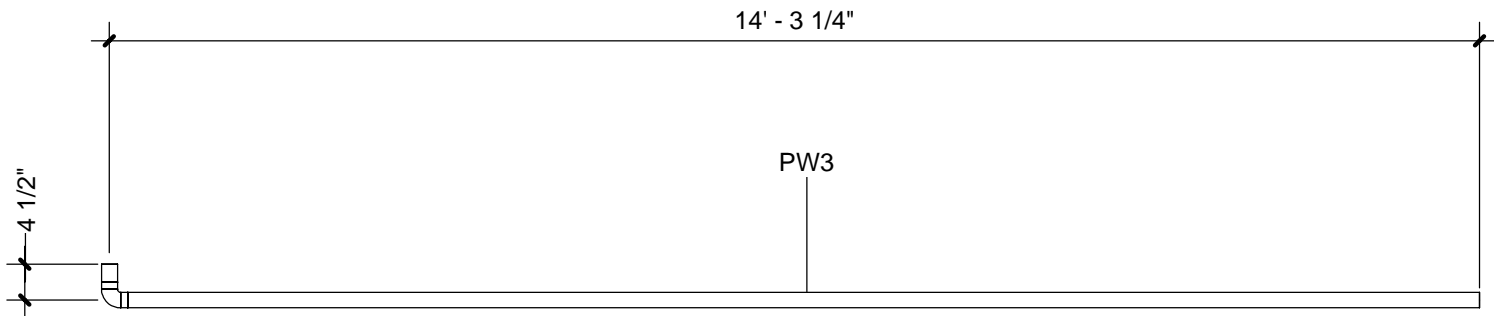
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St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 17:58:09

| 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 | 0'-2 3/16" | | | | |
| 02 | 1 | 1 1/2" | Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe | 14'-1" | | | | |
| 03 | 1 | 1 1/2" | Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow | | | | | |



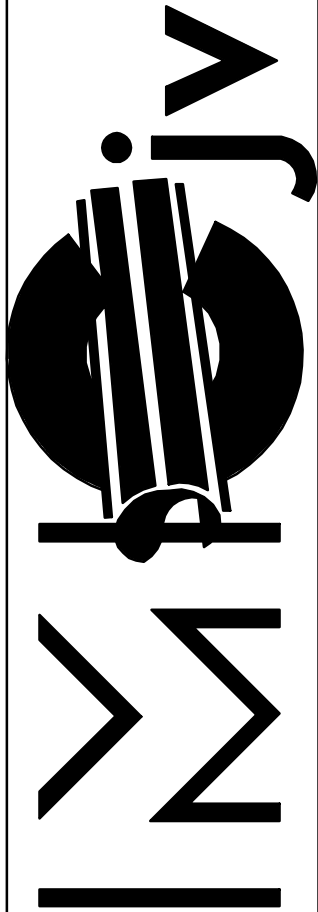
1 ISOMETRIC
SCALE:



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

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

| | |
|------------------|-------------|
| JOB: | WASH U NRB |
| TICKET: | PW3-L07-027 |
| Drawn By: Author | |
| DATE: 11/24/21 | DATE REQ: |



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