

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUL 21 2009

REVISED DRAWING

| MATERIAL LIST | | | | |
|---------------|-----------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 4'-7 3/8" | 4 | PIPE, SMLS, SCH 160, SA-106-B | |
| 2 | 1 | 6X4 | REDUCER, CONC, BW, SCH 160, SA-234-WPB | |
| 3 | 1 | 4X4 | TEE, STRAIGHT, BW, SCH 160, SA-234-WPB | |
| 4 | 1 | 4X2 | TEE, REDUCING, BW, SCH 160, SA-234-WPB | |
| 5 | 2 | 4X3/4 | THREADOLET, 6000# FS, SA-105N | |
| 6 | 2 | 4 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 7 | 1 | 4 | ELBOW, 90 DEG, SR, BW, SCH 160, SA-234-WPB | |
| 8 | 1 | 4 | SPECTACLE BLIND, 900#RF | |
| 9 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 10 | 1 | 6 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 11 | 2 | 4 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 12 | 1 | 2 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 13 | 1 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 14 | 2 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 15 | 1 | 1 1/8 | (12) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (8" LG) | |
| 16 | 1 | 1 1/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7 1/2" LG) | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 2 | 4" | BW | 11 6 |
| | 3 | 4" | BW | 6 1 |
| | 4 | 3/4" | LET | 1 5 |
| | 6 | 4" | BW | 1 3 |
| | 7 | 4" | BW | 3 1 |
| | 8 | 3/4" | LET | 1 5 |
| | 9 | 4" | BW | 1 4 |
| | 10 | 2" | BW | 4 12 |
| | 11 | 4" | BW | 4 1 |
| | 12 | 4" | BW | 1 2 |
| | 13 | 6" | BW | 2 10 |
| | 14 | 4" | BW | 3 1 |
| | 15 | 4" | BW | 1 6 |
| | 16 | 4" | BW | 6 1 |
| | 17 | 4" | BW | 1 7 |
| | 18 | 4" | BW | 7 11 |

| CUTTING LIST | | | |
|--------------|------|---------|-------|
| MK | SIZE | LENGTH | HEAT# |
| B | 4" | 27 7/8" | |
| C | 4" | 11 1/4" | |
| D | 4" | 5 5/16" | A |
| E | 4" | 7 3/4" | |
| F | 4" | 3 3/16" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

| 900# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1965 PSIG | HYDROTEST PRESS. | 3330 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1965 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

NOTES:

- THE FOLLOWING MAT'L'S CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | |
|-------------|------------|-----|-----------|----|------|-------------------------|
| ● | ✱ | | | | | |
| —●— | —✱— | | | | | |
| BUTT WELD | FIELD WELD | | | | | |
| —●— | —✱— | | | | | |
| SOCKET WELD | THRD JOINT | | | | | |
| | | REV | DATE | BY | APPR | DESCRIPTION |
| | | A | 21/7/2009 | CP | DR | REPLACED FLANGE |
| | | 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

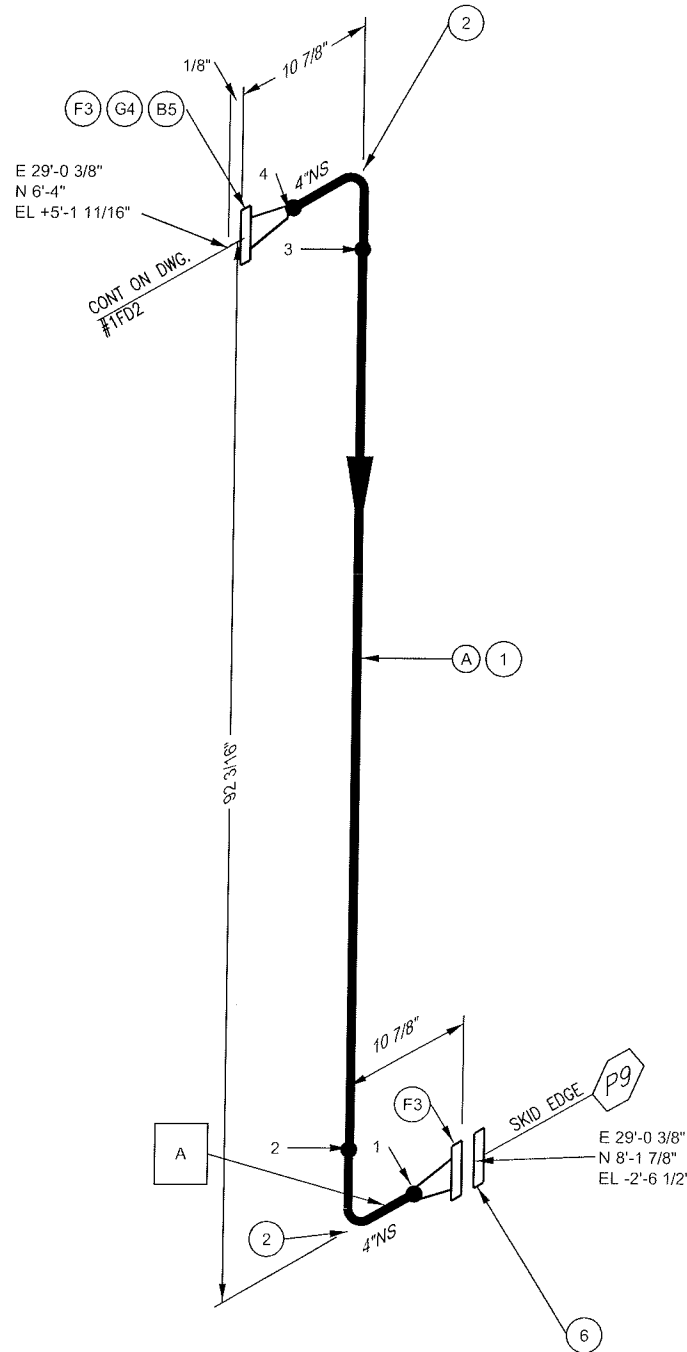
BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM AC COOLER OUTLET
TO DWG. #1FD2
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK

LSD: _____ JOB#: 08-533

| | | | | |
|-----|------------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/11/2009 | NTS | 1FD1 | A |



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

| MATERIAL LIST | | | | |
|---------------|-------------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 6'-7 15/16" | 4 | PIPE, SMLS, SCH 160, SA-106-B | |
| 2 | 2 | 4 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 3 | 2 | 4 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 4 | 1 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 5 | 1 | 1 1/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7" LG) | |
| 6 | 1 | 4 | FLANGE, COVER, 900#RF | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|-----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 4" | BW | 3 2 | A | 4" | 79 15/16" | |
| | 2 | 4" | BW | 2 1 | | | | |
| | 3 | 4" | BW | 1 2 | | | | |
| | 4 | 4" | BW | 2 3 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| 900# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1965 PSIG | HYDROTEST PRESS. | 3330 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1965 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | |
|-------------|------------|--|--|--|--|
| ● | ✱ | | | | |
| BUTT WELD | FIELD WELD | | | | |
| ⌊ | ⌊ | | | | |
| SOCKET WELD | THRD JOINT | | | | |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

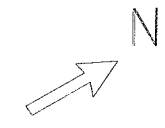
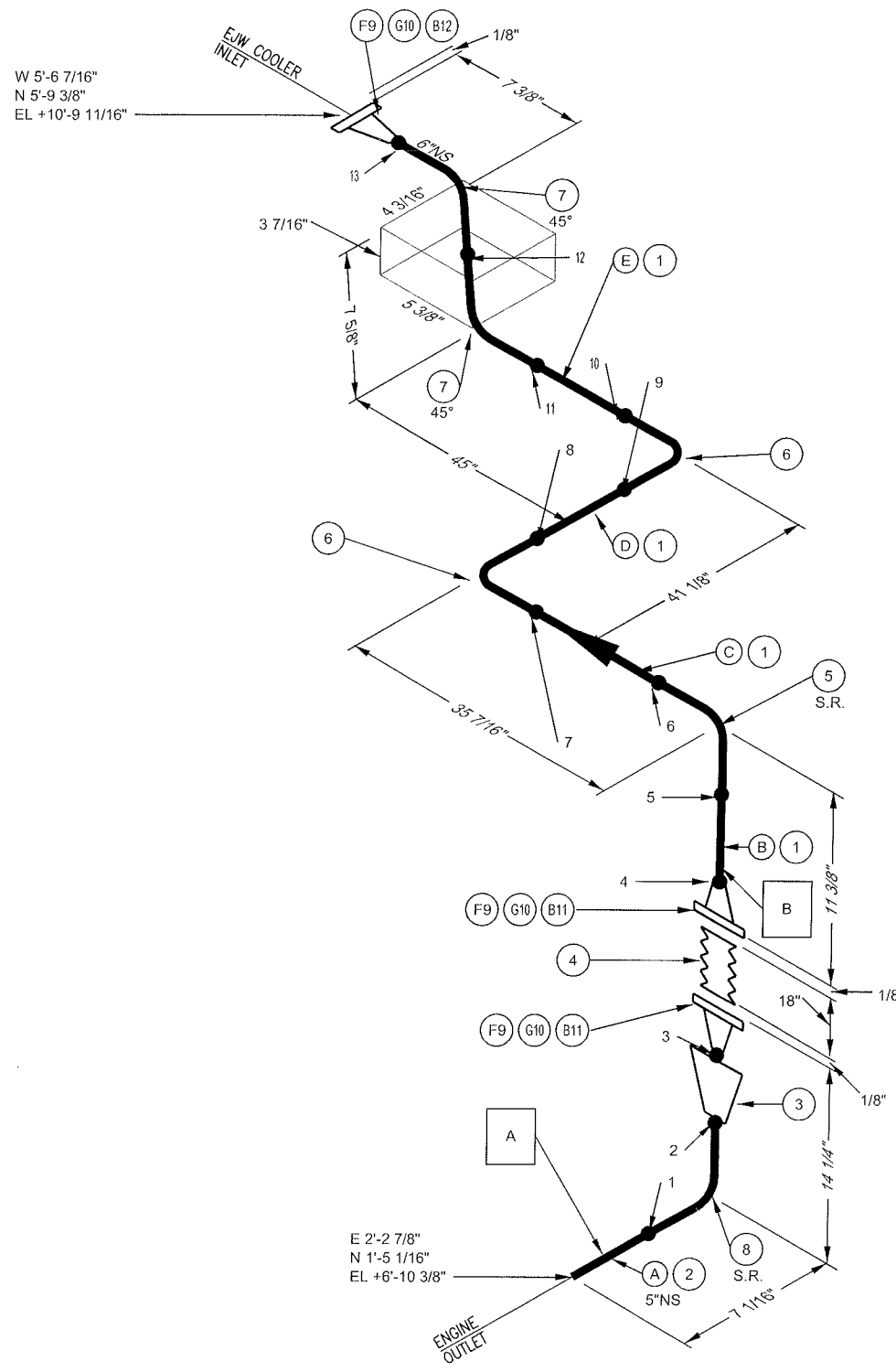
GAS COMPRESSION

FROM DWG. #1FD2
TO PIPE RACK
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK

LSO: _____ JOB#: 08-533

| | | | |
|--------|----------------|-----------|-----------|
| DWN CP | DATE 15/1/2009 | SCALE NTS | DWG# 1FD3 |
|--------|----------------|-----------|-----------|

REV 0



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

MATERIAL LIST

| MK | QTY | SIZE | DESCRIPTION | HEAT# |
|----|-------------|------|--|-------|
| 1 | 6'-4 5/8" | 6 | PIPE, SMLS, SCH 40, SA-106-B | |
| 2 | 0'-1 15/16" | 5 | PIPE, SMLS, SCH 40, SA-106-B | |
| 3 | 1 | 6X5 | REDUCER, CONC, BW, SCH 40, SA-234-WPB | |
| 4 | 1 | 6 | EXPANSION JOINT, 150#RF | |
| 5 | 1 | 6 | ELBOW, 90 DEG, SR, BW, SCH 40, SA-234-WPB | |
| 6 | 2 | 6 | ELBOW, 90 DEG, LR, BW, SCH 40, SA-234-WPB | |
| 7 | 2 | 6 | ELBOW, 45 DEG, BW, SCH 40, SA-234-WPB | |
| 8 | 1 | 5 | ELBOW, 90 DEG, SR, BW, SCH 40, SA-234-WPB | |
| 9 | 3 | 6 | FLANGE, RFWN, 150#, SCH 40, SA-105N | |
| 10 | 3 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 11 | 2 | 3/4 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (4" LG) | |
| 12 | 1 | 3/4 | (8) STUD BOLT, C/W 4 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|-----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 5" | BW | 2 8 | A | 5" | 1 15/16" | |
| | 2 | 5" | BW | 8 3 | B | 6" | 1 5/8" | |
| | 3 | 6" | BW | 3 9 | C | 6" | 20 3/16" | |
| | 4 | 6" | BW | 9 1 | D | 6" | 22 13/16" | |
| | 5 | 6" | BW | 1 5 | E | 6" | 32" | |
| | 6 | 6" | BW | 5 1 | | | | |
| | 7 | 6" | BW | 1 6 | | | | |
| | 8 | 6" | BW | 6 1 | | | | |
| | 9 | 6" | BW | 1 6 | | | | |
| | 10 | 6" | BW | 6 1 | | | | |
| | 11 | 6" | BW | 1 7 | | | | |
| | 12 | 6" | BW | 7 7 | | | | |
| | 13 | 6" | BW | 7 9 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| | | | |
|-----------------------|-----|--------------------|-----|
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | N/A |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | N/A |
| MDMT | N/A | HYDROTEST DURATION | N/A |
| CORROSION ALLOW. | N/A | WELDING | N/A |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

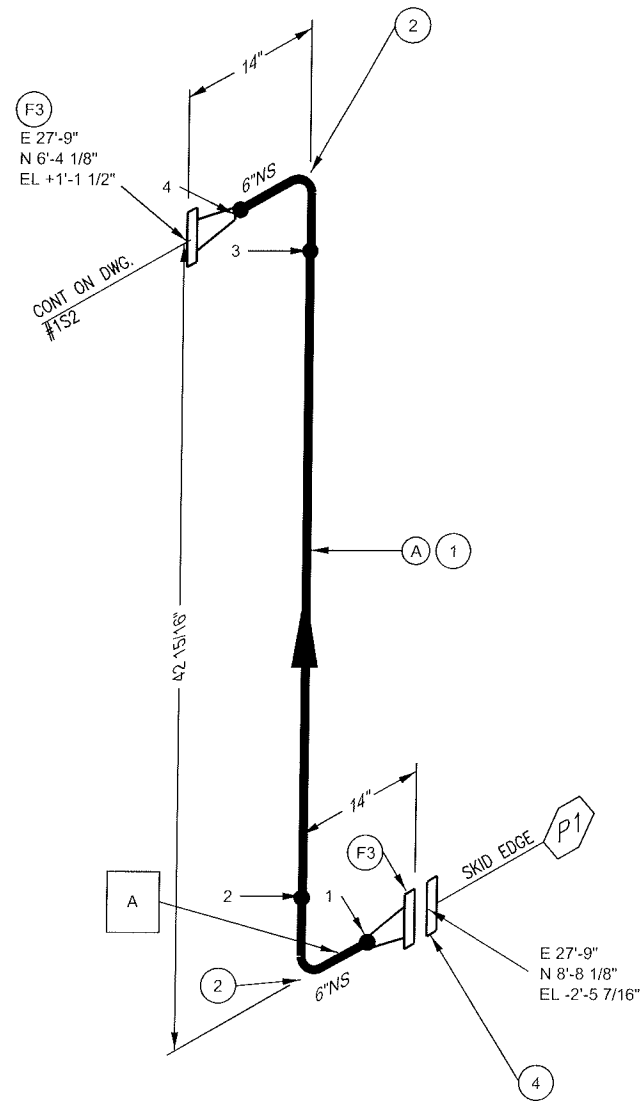
| | | | | | | | |
|-------------|------------|--|--|--|--|--|--|
| | | | | | | | |
| BUTT WELD | FIELD WELD | | | | | | |
| | | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | |

BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM ENGINE TO EJW
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK
LSD: _____ JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 1JW1 | 0 |



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

MATERIAL LIST

| MK | QTY | SIZE | DESCRIPTION | HEAT# |
|----|-------------|------|---|-------|
| 1 | 2'-0.11/16" | 6 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 2 | 6 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 3 | 2 | 6 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 4 | 1 | 6 | FLANGE, COVER, 600#RF | |

WELD SUMMARY

| XRAY | MK | SIZE | TYPE | LOC'N |
|------|----|------|------|-------|
| | 1 | 6" | BW | 3 2 |
| | 2 | 6" | BW | 2 1 |
| | 3 | 6" | BW | 1 2 |
| | 4 | 6" | BW | 2 3 |

CUTTING LIST

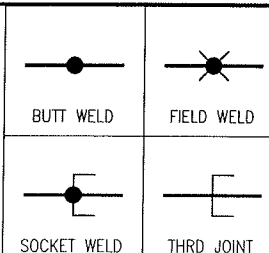
| MK | SIZE | LENGTH | HEAT# |
|----|------|-----------|-------|
| A | 6" | 24 11/16" | |

HYDROTEST RECORD

| SEG | GAUGE No. | PRESSURE | DATE |
|-----|-----------|----------|------|
| | | | |

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.

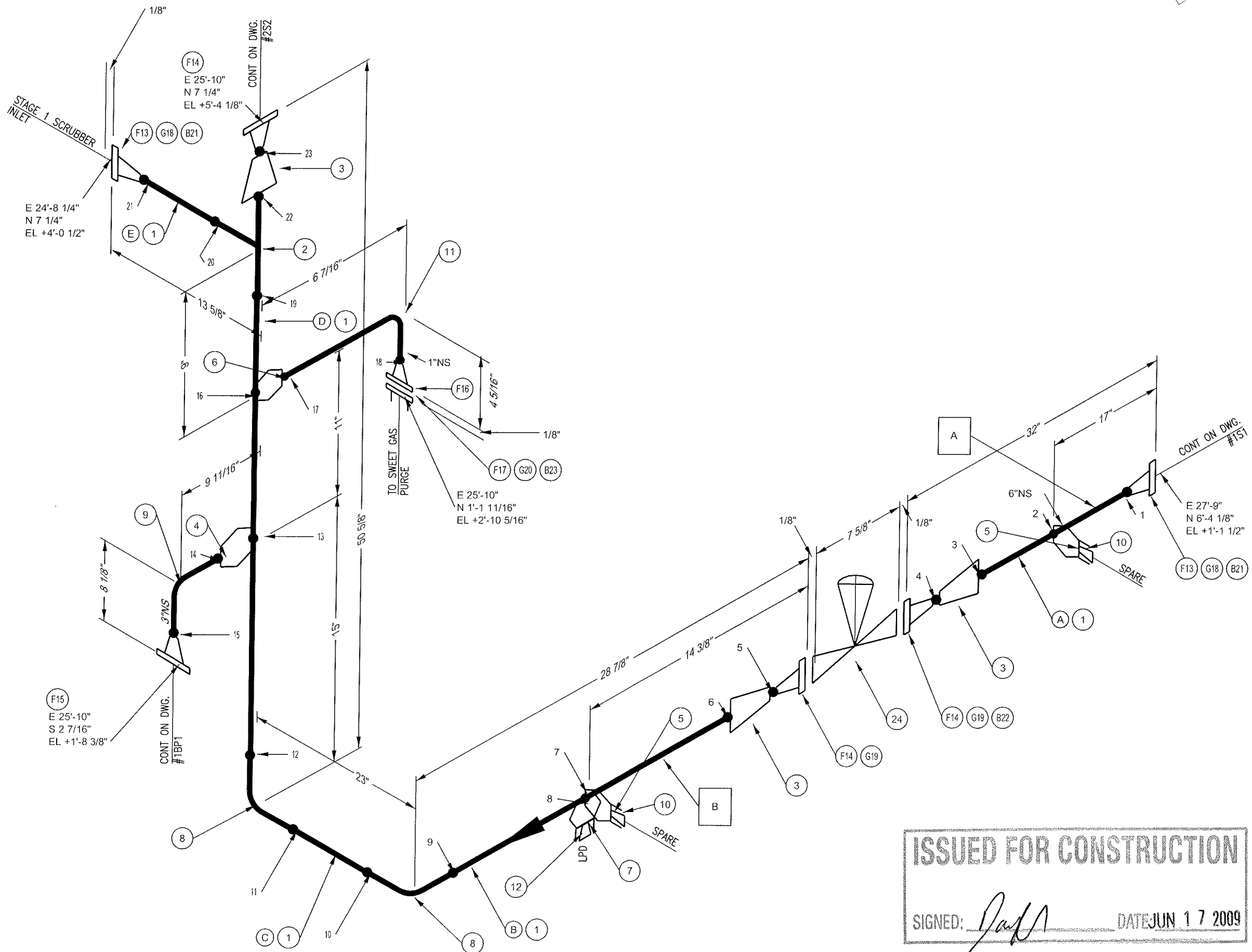


| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1 PHONE: (403) 235-5877 FAX: (403) 272-7749

FROM PIPE RACK
TO DWG. #1S2
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK
LSD: _____ JOB#: 08-533

DWN CP 15/11/2009 SCALE NTS DWG# 1S1 REV 0



| MATERIAL LIST | | | | |
|---------------|-----------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 4'-6 1/2" | 6 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 1 | 6X6 | TEE, STRAIGHT, BW, SCH 80, SA-234-WPB | |
| 3 | 3 | 6X4 | REDUCER, CONC, BW, SCH 80, SA-234-WPB | |
| 4 | 1 | 6X3 | WELDOLET, SCH 80, SA-105N | |
| 5 | 2 | 6X1 | THREADOLET, 3000# FS, SA-105N | |
| 6 | 1 | 6X1 | WELDOLET, SCH 160, SA-105N | |
| 7 | 1 | 6X3/4 | THREADOLET, 3000# FS, SA-105N | |
| 8 | 2 | 6 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 9 | 1 | 3 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 10 | 2 | 1 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 11 | 1 | 1 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 12 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 13 | 2 | 6 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 14 | 3 | 4 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 15 | 1 | 3 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 16 | 1 | 1 | FLANGE, RFWN, 600#, SCH 160, SA-105N | |
| 17 | 1 | 1 | FLANGE, THRD, 600#RF, SA-105N | |
| 18 | 2 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 19 | 2 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 20 | 1 | 1 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 21 | 2 | 1 | (12) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7" LG) | |
| 22 | 1 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (1'-2" LG) | |
| 23 | 1 | 5/8 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (3 1/2" LG) | |
| 24 | 1 | 4 | CONTROL VALVE, DYNAFLO #570, 600#RF | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|---------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 6" | BW | 13 1 | A | 6" | 17" | |
| | 2 | 1" | LET | 15 | B | 6" | 9 3/4" | |
| | 3 | 6" | BW | 13 | C | 6" | 4 3/4" | |
| | 4 | 4" | BW | 3 14 | D | 6" | 20 1/8" | |
| | 5 | 4" | BW | 14 3 | E | 6" | 2 7/8" | |
| | 6 | 6" | BW | 3 1 | | | | |
| | 7 | 1" | LET | 15 | | | | |
| | 8 | 3/4" | LET | 17 | | | | |
| | 9 | 6" | BW | 18 | | | | |
| | 10 | 6" | BW | 8 1 | | | | |
| | 11 | 6" | BW | 18 | | | | |
| | 12 | 6" | BW | 8 1 | | | | |
| | 13 | 3" | LET | 14 | | | | |
| | 14 | 3" | BW | 4 9 | | | | |
| | 15 | 3" | BW | 9 15 | | | | |
| | 16 | 1" | LET | 16 | | | | |
| | 17 | 1" | BW | 6 11 | | | | |
| | 18 | 1" | BW | 11 16 | | | | |
| | 19 | 6" | BW | 12 | | | | |
| | 20 | 6" | BW | 2 1 | | | | |
| | 21 | 6" | BW | 1 13 | | | | |
| | 22 | 6" | BW | 2 3 | | | | |
| | 23 | 4" | BW | 3 14 | | | | |

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE JUN 17 2009

| 600# PRESSURE PIPE DATA | |
|-------------------------|--------------------------|
| DESIGN PRESS. | 1310 PSIG |
| DESIGN TEMP. | 300°F |
| MDMT | -20°F AT 1310 PSIG |
| CORROSION ALLOW. | 0.125 IN |
| X-RAY | 100% |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED |
| EXTERIOR SURFACE PREP | PICKLED |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT

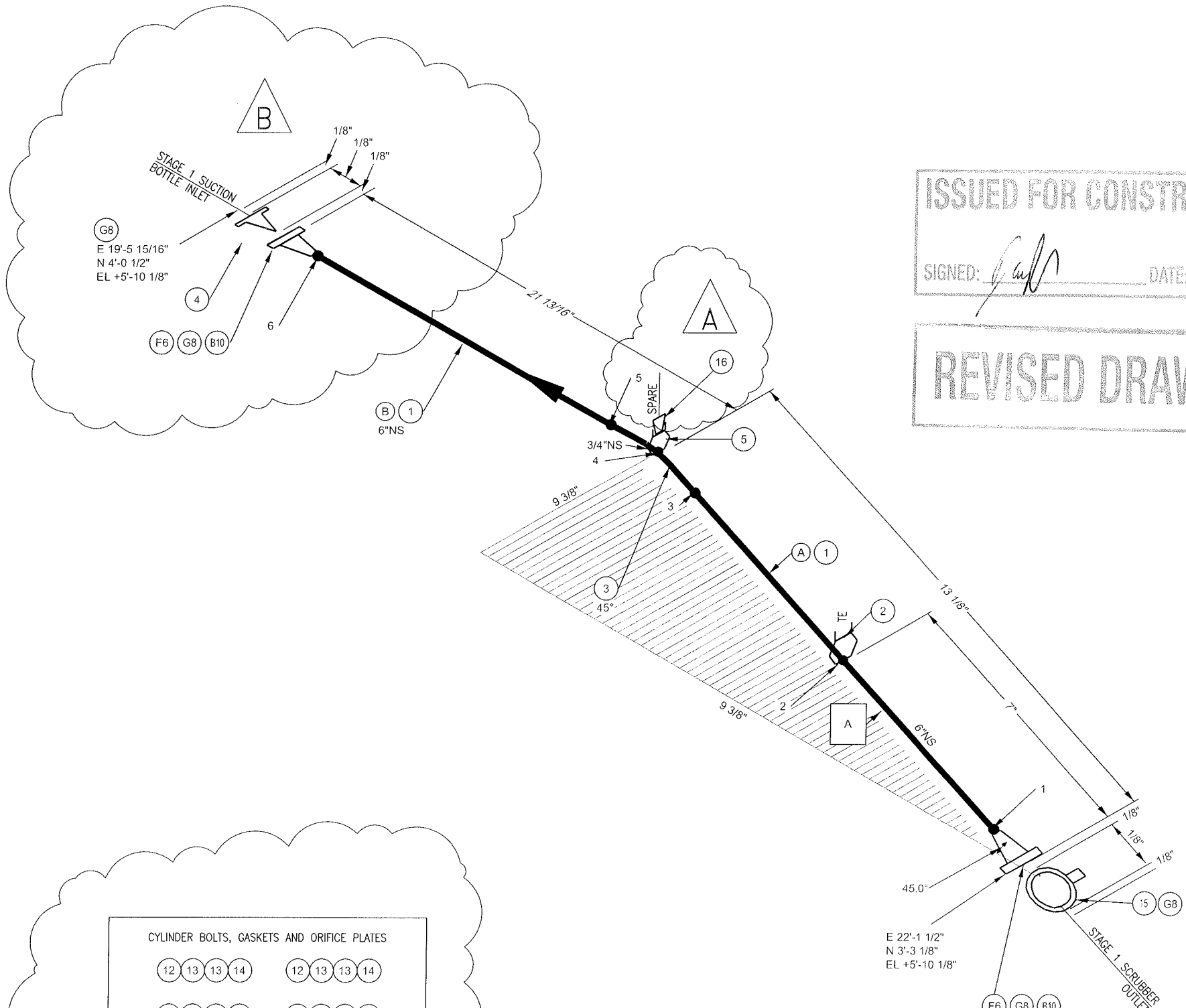
GAS COMPRESSION

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM DWG. #1S1
TO STAGE 1 SCRUBBER INLET
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK
LSD: _____

JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 1S2 | 0 |



ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: OCT 27 2009

REVISED DRAWING

| MATERIAL LIST | | | | |
|---------------|-----|--------|---|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 1-4 | 15/16" | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 1 | 6X3/4 | THREAOLET, 3000# FS, SA-105N | |
| 3 | 1 | 6 | ELBOW, 45 DEG, BW, SCH 80, SA-234-WPB | |
| 4 | 1 | 6 | CONE STRAINER, 150% FLOW AREA | |
| 5 | 1 | 6X3/4 | THREAOLET, 3000# FS, SA-105N | |
| 6 | 2 | 6 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 8 | 4 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 10 | 2 | 1 | (12) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7 1/2" LG) | |
| 12 | 4 | 4 | ORIFICE PLATE, 600#RF | |
| 13 | 8 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 14 | 4 | 7/8 | (8) MACHINE BOLTS, GR 8 (4" LG) | |
| 15 | 1 | 6 | ORIFICE PLATE, 600#RF | |
| 16 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 6" | BW | 6 1 |
| | 2 | 3/4" | LET | 1 2 |
| | 3 | 6" | BW | 1 3 |
| | 4 | 3/4" | LET | 3 5 |
| | 5 | 6" | BW | 3 1 |
| | 6 | 6" | BW | 1 6 |

| CUTTING LIST | | | |
|--------------|------|----------------------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 6" | 4 1/4" | |
| B | 6" | 12 15/16" Δ B | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

- CYLINDER BOLTS, GASKETS AND ORIFICE PLATES
- (12) (13) (13) (14) (12) (13) (13) (14)
 - (12) (13) (13) (14) (12) (13) (13) (14)

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

NOTES:

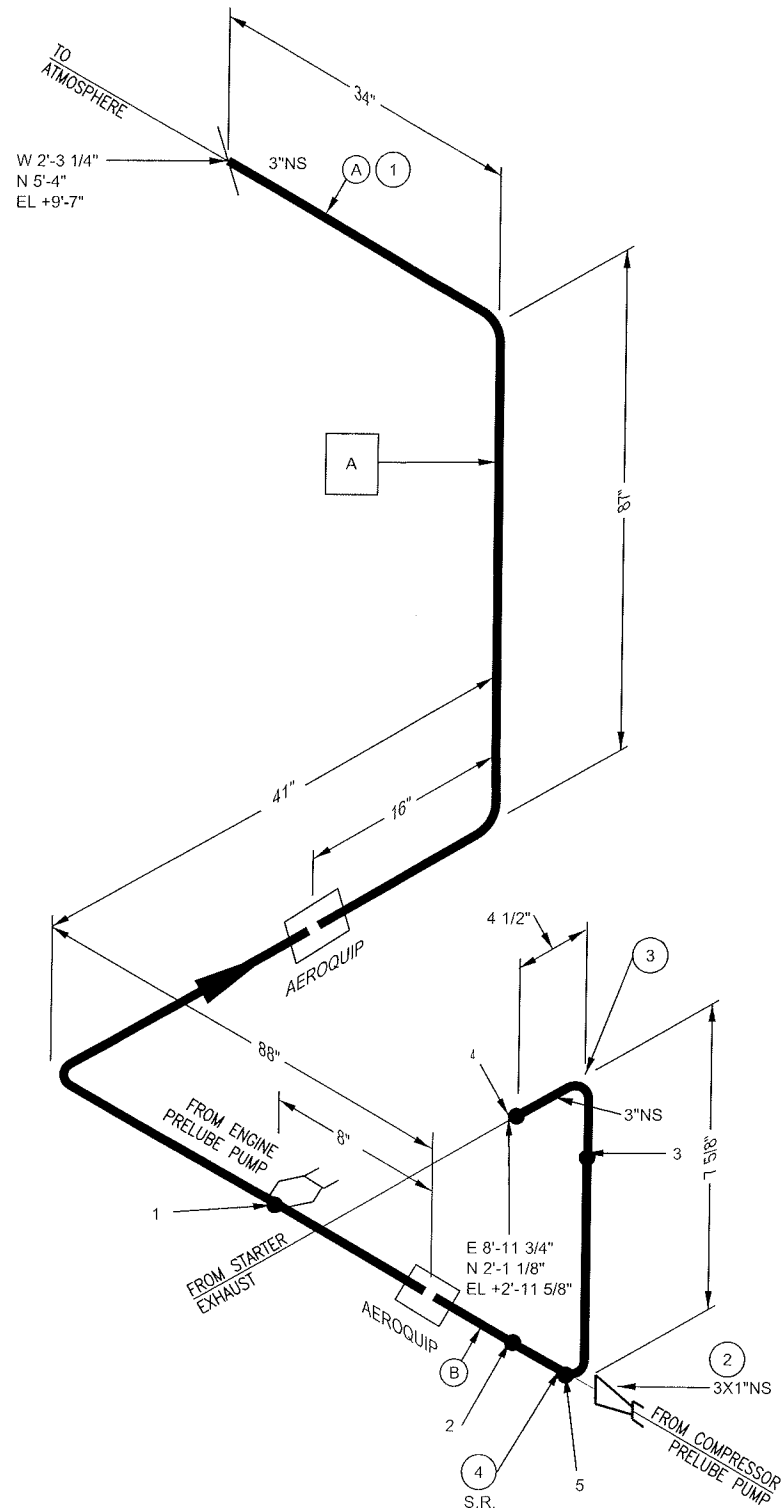
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|------------|----|------|--------------------------|
| B | 10/27/2009 | CP | DR | REVISED PIPING |
| A | 9/6/2009 | CP | DR | PLUGGED SPARE CONNECTION |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1 PHONE: (403) 235-5877 FAX: (403) 272-7749

FROM STAGE 1 SCRUBBER OUTLET TO STAGE 1 SUCTION BOTTLE INLET
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: _____ JOB#: 08-533

DWN CP 15/1/2009 SCALE NTS DWG# 1S3 REV B



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

| MATERIAL LIST | | | | |
|---------------|------|------|---|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 244" | 3 | PIPE, SMLS, SCH 40, SA-106-B | |
| 2 | 1 | 3X1 | ELBOLET, THRD, 3000# FS, SA-105N | |
| 3 | 1 | 3 | ELBOW, 90 DEG, LR, BW, SCH 40, SA-234-WPB | |
| 4 | 1 | 3 | ELBOW, 90 DEG, SR, BW, SCH 40, SA-234-WPB | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|--------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 3" | LET | 1 2 | A | 3" | 240" | |
| | 2 | 3" | BW | 1 4 | B | 3" | 4" | |
| | 3 | 3" | BW | 4 3 | | | | |
| | 4 | 3" | BW | 3 * | | | | |
| | 5 | 1" | LET | 4 2 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| | | | |
|-----------------------|-----|--------------------|-----|
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | N/A |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | N/A |
| MDMT | N/A | HYDROTEST DURATION | N/A |
| CORROSION ALLOW. | N/A | WELDING | N/A |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | |
|-------------|------------|
| ● | ✱ |
| BUTT WELD | FIELD WELD |
| ● | □ |
| SOCKET WELD | THRD JOINT |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

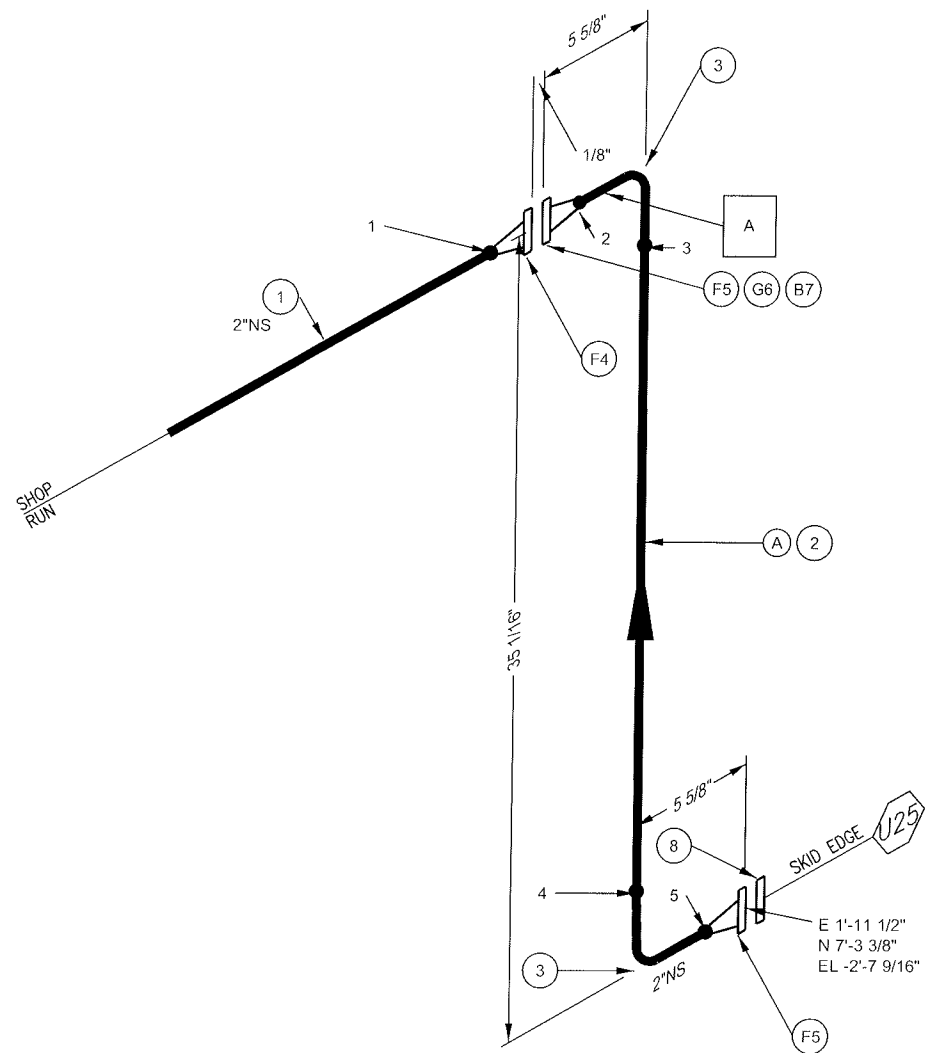
6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

GAS COMPRESSION

STARTER EXHAUST
PIPING
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK

LSD: _____ JOB#: 08-533

| | | | | |
|--------|----------------|-----------|-----------|-------|
| DWN CP | DATE 15/1/2009 | SCALE NTS | DWG# 1SE1 | REV 0 |
|--------|----------------|-----------|-----------|-------|



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUL 21 2009

REVISED DRAWING

| MATERIAL LIST | | | | |
|---------------|-------------|------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | AR | 2 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 2'-4 13/16" | 2 | PIPE, SMLS, SCH 80, SA-106-B | |
| 3 | 2 | 2 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 4 | 1 | 2 | FLANGE, RFWN, 150#, SCH 80, SA-105N | |
| 5 | 2 | 2 | FLANGE, RFWN, 150#, SCH 80, SA-105N | |
| 6 | 1 | 2 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 7 | 1 | 5/8 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (3 1/2" LG) | |
| 8 | 1 | 2 | FLANGE, COVER, 150#RF | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 2" | BW | 1 4 |
| | 2 | 2" | BW | 5 3 |
| | 3 | 2" | BW | 3 2 |
| | 4 | 2" | BW | 2 3 |
| | 5 | 2" | BW | 3 5 |

| CUTTING LIST | | | |
|--------------|------|-----------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 2" | 28 13/16" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| 150# PRESSURE PIPE DATA | | | |
|-------------------------|-------------------|--------------------|---------------------|
| DESIGN PRESS. | 230 PSIG | HYDROTEST PRESS. | 428 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 230 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | N/A | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'Ls CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | | |
|-----------|------------|-------------|------------|--|--|--|--|
| ● | ✱ | | | | | | |
| ● | ✱ | ● | ✱ | | | | |
| BUTT WELD | FIELD WELD | SOCKET WELD | THRD JOINT | | | | |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|-------------------------|
| A | 21/7/2009 | CP | DR | REVISED PIPE SCHEDULE |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

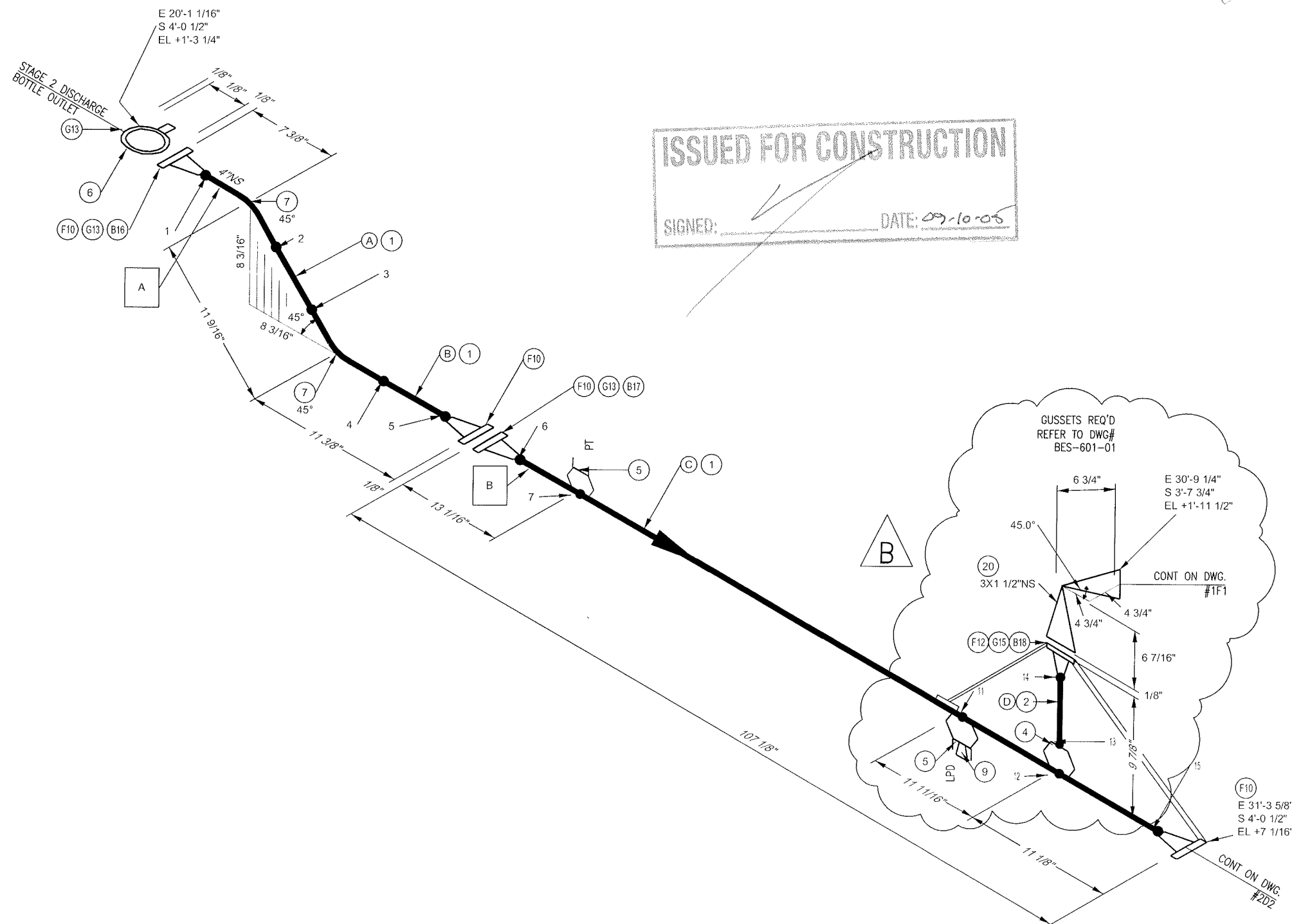
BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

START GAS
SUPPLY PIPING
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK

LSD: _____ JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 1SG1 | A |



ISSUED FOR CONSTRUCTION

SIGNED: _____ DATE: 09-10-05

| MATERIAL LIST | | | | |
|---------------|-------------|---------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 8'-11 9/16" | 4 | PIPE, SMLS, SCH 160, SA-106-B | |
| 2 | 0'-1 7/8" | 1 1/2 | PIPE, SMLS, SCH 160, SA-106-B | |
| 4 | 1 | 4X1 1/2 | WELDOLET, SCH 160, SA-105N | |
| 5 | 2 | 4X3/4 | THREDOLET, 6000# FS, SA-105N | |
| 6 | 1 | 4 | ORIFICE PLATE, 900#RF | |
| 7 | 2 | 4 | ELBOW, 45 DEG, BW, SCH 160, SA-234-WPB | |
| 9 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 10 | 4 | 4 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 12 | 1 | 1 1/2 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 13 | 3 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 15 | 1 | 1 1/2 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 16 | 1 | 1 1/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7 1/2" LG) | |
| 17 | 1 | 1 1/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7" LG) | |
| 18 | 1 | 1 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (5 1/2" LG) | |
| 20 | 1 | 3X1 1/2 | RELIEF VALVE, 900#RF X 300#RF | |

| WELD SUMMARY | | | | |
|--------------|----|--------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 4" | BW | 10 7 |
| | 2 | 4" | BW | 7 1 |
| | 3 | 4" | BW | 1 7 |
| | 4 | 4" | BW | 7 1 |
| | 5 | 4" | BW | 1 10 |
| | 6 | 4" | BW | 10 1 |
| | 7 | 3/4" | LET | 1 5 |
| | 11 | 3/4" | LET | 1 5 |
| | 12 | 1 1/2" | LET | 1 4 |
| | 13 | 1 1/2" | BW | 4 2 |
| | 14 | 1 1/2" | BW | 2 12 |
| | 15 | 4" | BW | 1 10 |

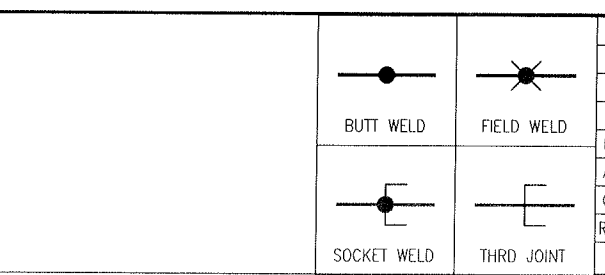
| CUTTING LIST | | | |
|--------------|--------|---------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 4" | 6 5/16" | |
| B | 4" | 3 7/8" | |
| C | 4" | 97 3/8" | |
| D | 1 1/2" | 1 7/8" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

| 900# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1965 PSIG | HYDROTEST PRESS. | 3330 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1965 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.



| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|-------------------------|
| B | 5/10/2009 | NP | DR | ADDED GUSSETS TO DWG. |
| A | 20/7/2009 | CP | DR | REMOVED PIPING |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

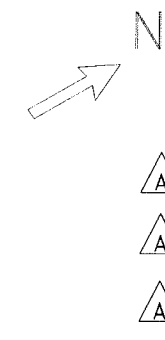
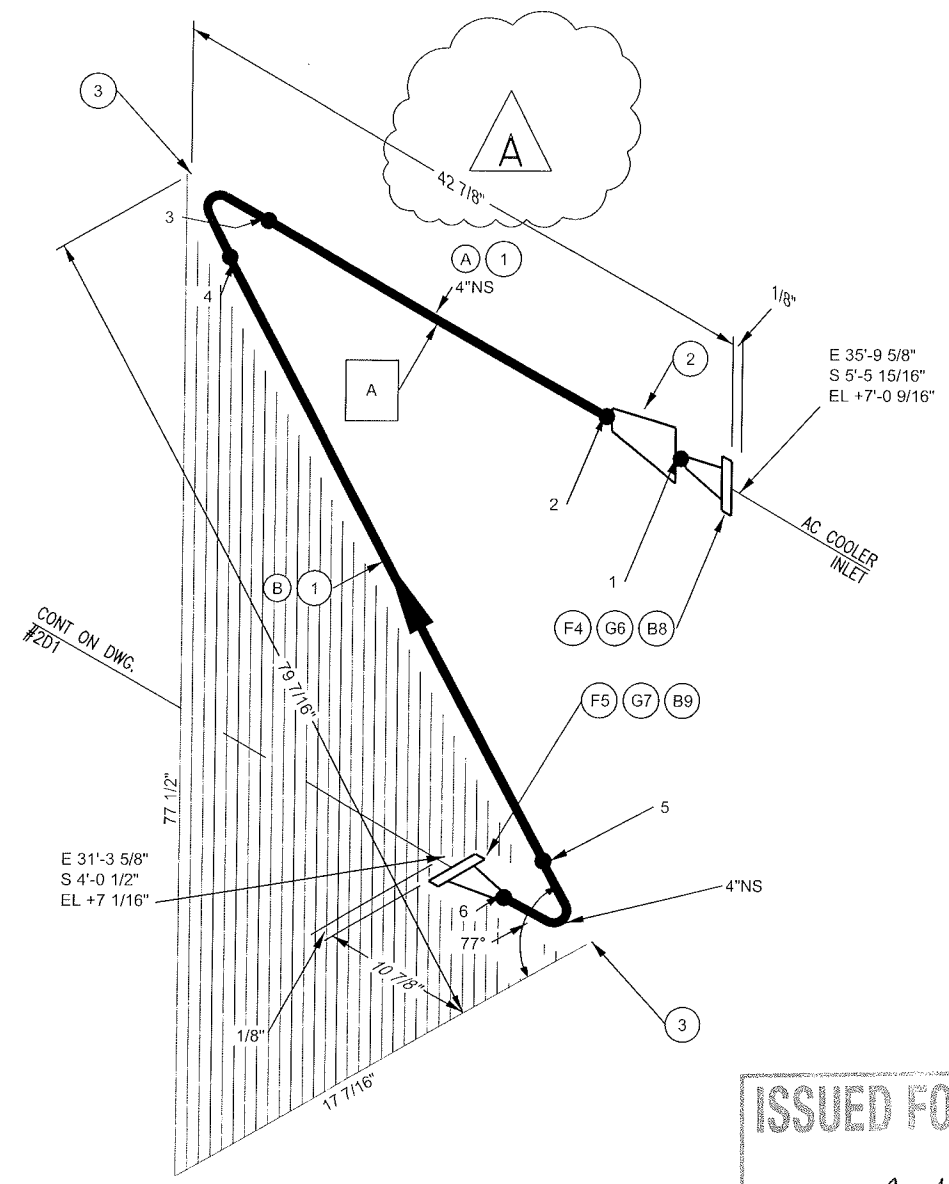
BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM STAGE 2 DISCHARGE BOTTLE OUTLET
TO DWG. #2D2
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK
LSD:

JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 2D1 | B |



ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: JUL 21 2009

REVISED DRAWING

| MATERIAL LIST | | | | |
|---------------|----------|-------|---|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 7-8 1/4" | 4 | PIPE, SMLS, SCH 160, SA-106-B | |
| 2 | 1 | 6X4 | REDUCER, CONC, BW, SCH 160, SA-234-WPB | |
| 3 | 2 | 4 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 4 | 1 | 6 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 5 | 1 | 4 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 6 | 1 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 7 | 1 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 8 | 1 | 1 1/8 | (12) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (8" LG) | |
| 9 | 1 | 1 1/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7" LG) | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 6" | BW | 4 2 | A | 4" | 25 3/16" | |
| | 2 | 4" | BW | 2 1 | B | 4" | 67 3/16" | |
| | 3 | 4" | BW | 1 3 | | | | |
| | 4 | 4" | BW | 3 1 | | | | |
| | 5 | 4" | BW | 1 3 | | | | |
| | 6 | 4" | BW | 3 5 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| 900# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1965 PSIG | HYDROTEST PRESS. | 3330 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1965 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

NOTES:
 1. THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
 2. WELD GAP USED 1/8"
 3. SHOP TO CONFIRM WOL DIMENSIONS.

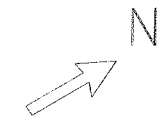
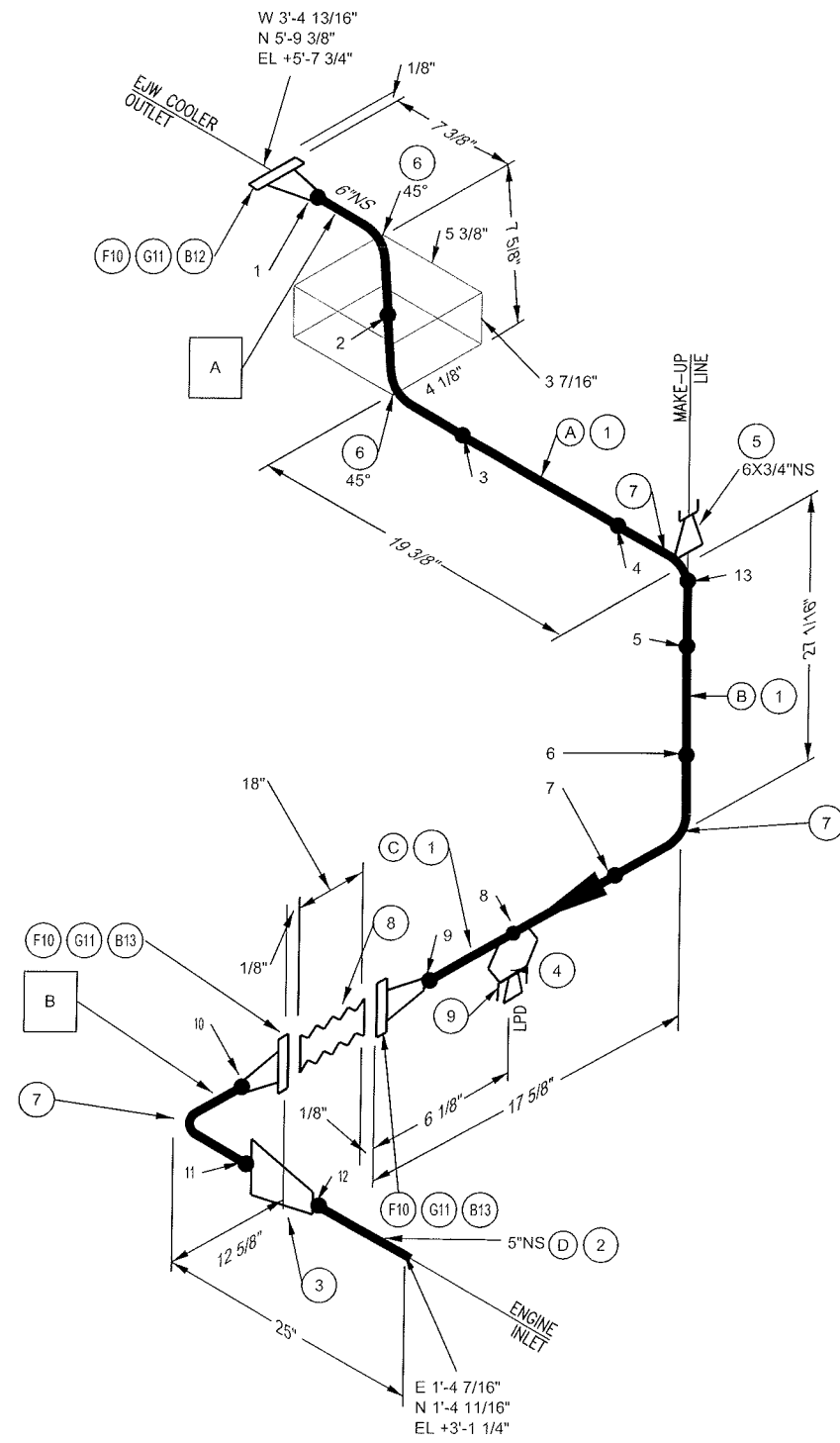
| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|-------------------------|
| A | 21/7/2009 | CP | DR | REPLACED FLANGE |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|------|----|------|-------------|
| | | | | |

BIDELL EQUIPMENT
 6900 - 112th AVENUE S.E.
 CALGARY, AB T2C 4Z1
 PHONE: (403) 235-5877
 FAX: (403) 272-7749

FROM DWG. #2D1
 TO AC COOLER INLET
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: _____ JOB#: 08-533

DWN CP 15/1/2009 SCALE NTS DWG# 2D2 REV A



| MATERIAL LIST | | | | |
|---------------|------------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 1'-8 1/8" | 6 | PIPE, SMLS, SCH 40, SA-106-B | |
| 2 | 0'-10 1/4" | 5 | PIPE, SMLS, SCH 40, SA-106-B | |
| 3 | 1 | 6X5 | REDUCER, CONC, BW, SCH 40, SA-234-WPB | |
| 4 | 1 | 6X1 | THREDOLET, 3000# FS, SA-105N | |
| 5 | 1 | 6X3/4 | ELBOLET, THRD, 3000# FS, SA-105N | |
| 6 | 2 | 6 | ELBOW, 45 DEG, BW, SCH 40, SA-234-WPB | |
| 7 | 3 | 6 | ELBOW, 90 DEG, LR, BW, SCH 40, SA-234-WPB | |
| 8 | 1 | 6 | EXPANSION JOINT, 150#RF | |
| 9 | 1 | 1 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 10 | 3 | 6 | FLANGE, RFWN, 150#, SCH 40, SA-105N | |
| 11 | 3 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 12 | 1 | 3/4 | (8) STUD BOLT, C/W 4 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |
| 13 | 2 | 3/4 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (4" LG) | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 6" | BW | 10 6 |
| | 2 | 6" | BW | 6 6 |
| | 3 | 6" | BW | 6 1 |
| | 4 | 6" | BW | 1 7 |
| | 5 | 6" | BW | 7 1 |
| | 6 | 6" | BW | 1 7 |
| | 7 | 6" | BW | 7 1 |
| | 8 | 1" | LET | 1 4 |
| | 9 | 6" | BW | 1 10 |
| | 10 | 6" | BW | 10 7 |
| | 11 | 6" | BW | 7 3 |
| | 12 | 5" | BW | 3 2 |
| | 13 | 3/4" | LET | 7 5 |

| CUTTING LIST | | | |
|--------------|------|----------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 6" | 6 3/8" | |
| B | 6" | 8 13/16" | |
| C | 6" | 4 15/16" | |
| D | 5" | 10 1/4" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

| | | | |
|-----------------------|-----|--------------------|-----|
| N/A | | | |
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | N/A |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | N/A |
| MDMT | N/A | HYDROTEST DURATION | N/A |
| CORROSION ALLOW. | N/A | WELDING | N/A |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

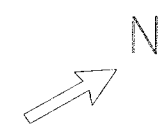
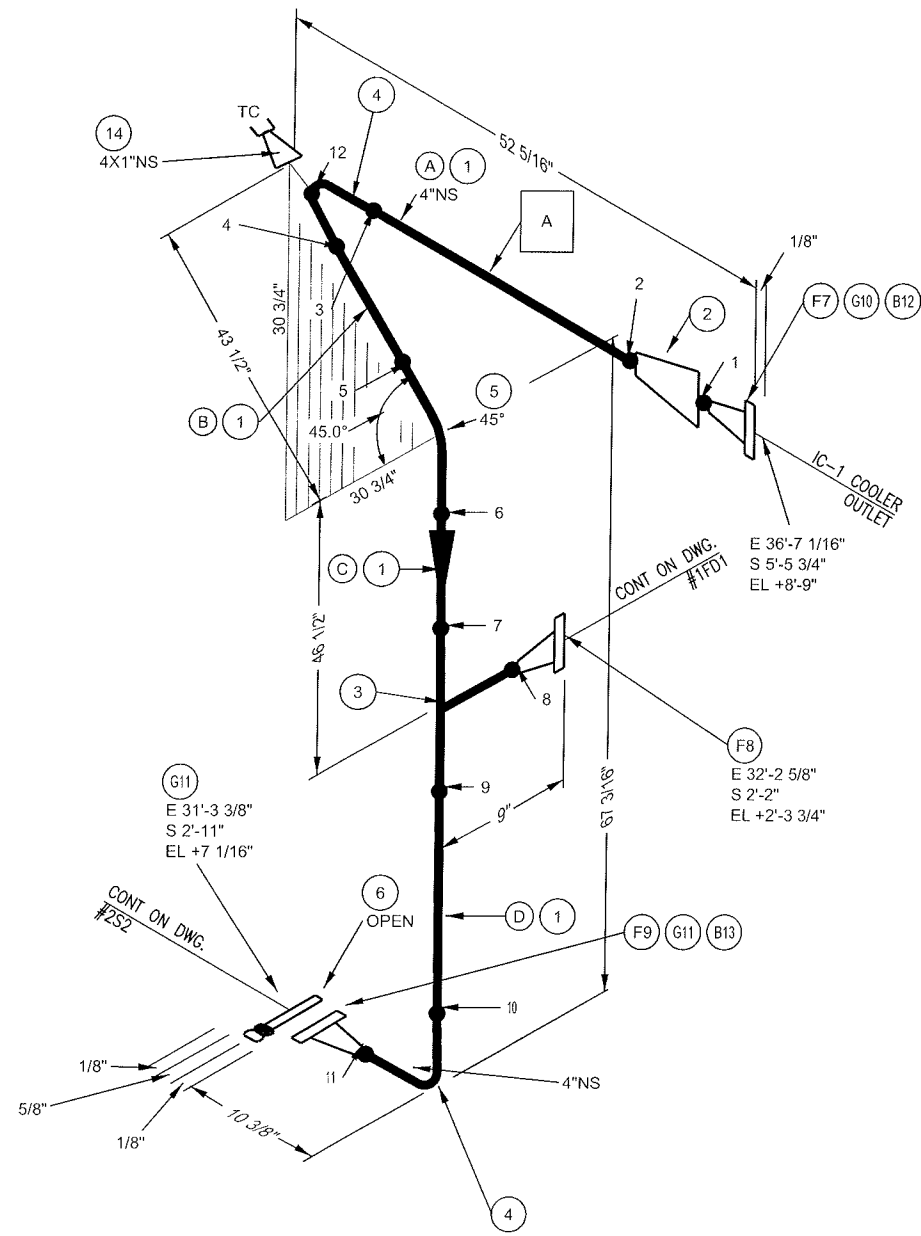
| | | | | | | | |
|-------------|------------|--|--|--|--|--|--|
| | | | | | | | |
| BUTT WELD | FIELD WELD | | | | | | |
| | | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT 6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM EJW
TO ENGINE
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK
LSD: _____

DWN CP DATE 15/1/2009 SCALE NTS DWG# 2JW1 REV 0



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

| MATERIAL LIST | | | | |
|---------------|------------|------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 10'-0.1/4" | 4 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 1 | 6X4 | REDUCER, CONC, BW, SCH 80, SA-234-WPB | |
| 3 | 1 | 4X4 | TEE, STRAIGHT, BW, SCH 80, SA-234-WPB | |
| 4 | 2 | 4 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 5 | 1 | 4 | ELBOW, 45 DEG, BW, SCH 80, SA-234-WPB | |
| 6 | 1 | 4 | SPECTACLE BLIND, 600#RF | |
| 7 | 1 | 6 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 8 | 1 | 4 | FLANGE, RFWN, 900#, SCH 80, SA-105N | |
| 9 | 1 | 4 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 10 | 1 | 6 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 11 | 2 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 12 | 1 | 1 | (12) STUD BOLT, C/W 4 NUTS, SA-193-B7M/SA-194-2HM (9" LG) | |
| 13 | 1 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7 1/2" LG) | |
| 14 | 1 | 4X1 | ELBOLET, THRD, 3000# FS, SA-105N | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 6" | BW | 7 2 | A | 4" | 35 9/16" | |
| | 2 | 4" | BW | 2 1 | B | 4" | 34 3/4" | |
| | 3 | 4" | BW | 1 4 | C | 4" | 39 5/8" | |
| | 4 | 4" | BW | 4 1 | D | 4" | 10 5/16" | |
| | 5 | 4" | BW | 1 5 | | | | |
| | 6 | 4" | BW | 5 1 | | | | |
| | 7 | 4" | BW | 1 3 | | | | |
| | 8 | 4" | BW | 3 8 | | | | |
| | 9 | 4" | BW | 3 1 | | | | |
| | 10 | 4" | BW | 1 4 | | | | |
| | 11 | 4" | BW | 4 9 | | | | |
| | 12 | 1" | LET | 4 14 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | | | | |
|-----------------|----------------|--|--|--|--|--|--|--|--|
| BUTT WELD | FIELD WELD | | | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | | | |

BIDELL EQUIPMENT

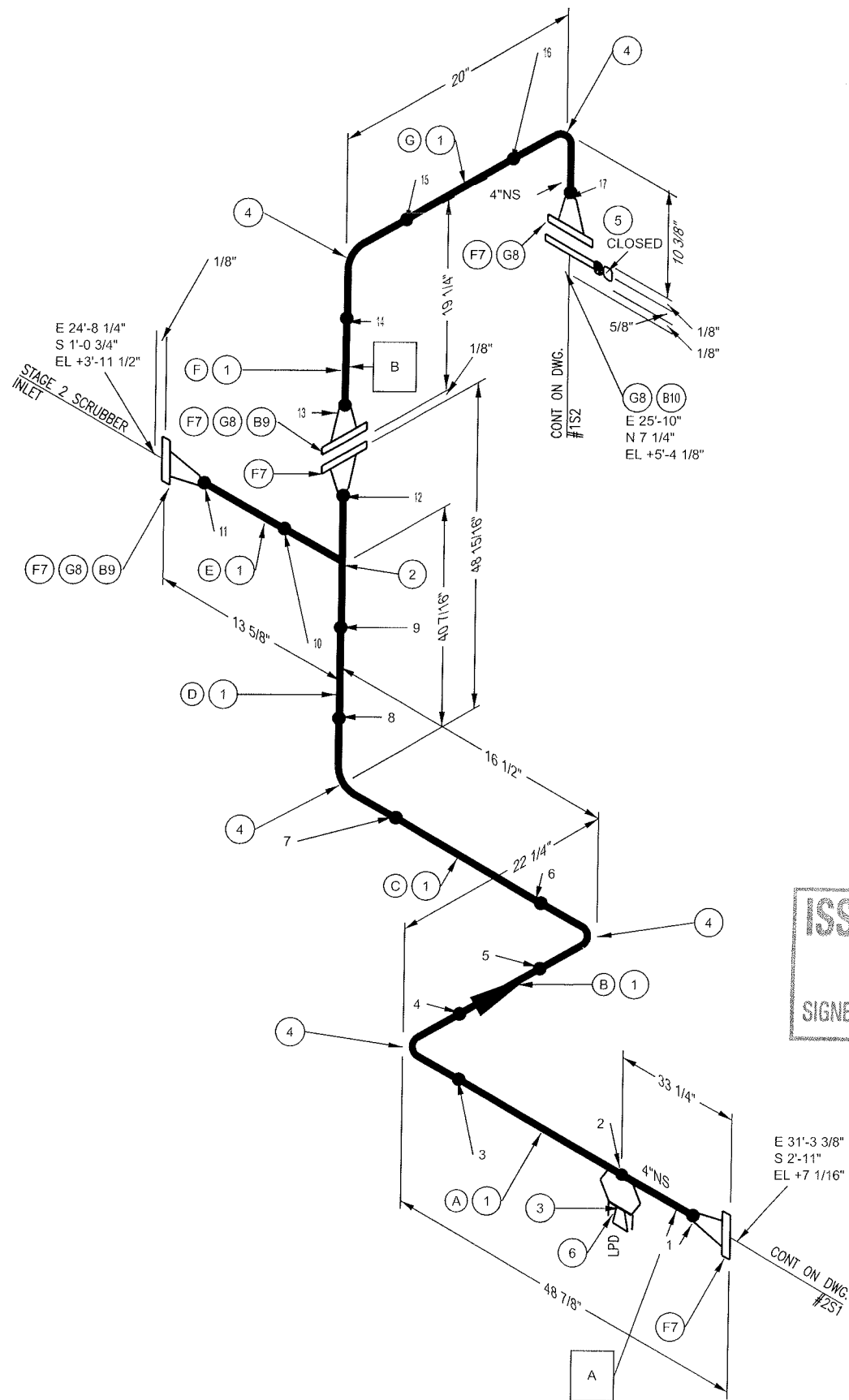
6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM IC-1 COOLER OUTLET
TO DWG. #252
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK

JOB#: 08-533

DWN CP DATE 15/11/2009 SCALE NTS DWG# 2S1 REV 0

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |



ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: JUN 17 2009

MATERIAL LIST

| MK | QTY | SIZE | DESCRIPTION | HEAT# |
|----|------------|-------|--|-------|
| 1 | 8'-8 3/16" | 4 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 1 | 4X4 | TEE, STRAIGHT, BW, SCH 80, SA-234-WPB | |
| 3 | 1 | 4X3/4 | THREDOLET, 3000# FS, SA-105N | |
| 4 | 5 | 4 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 5 | 1 | 4 | SPECTACLE BLIND, 600#RF | |
| 6 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 7 | 5 | 4 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 8 | 4 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 9 | 2 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |
| 10 | 1 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (7" LG) | |

WELD SUMMARY

| XRAY | MK | SIZE | TYPE | LOC'N |
|------|----|------|------|-------|
| | 1 | 4" | BW | 7 1 |
| | 2 | 3/4" | LET | 1 3 |
| | 3 | 4" | BW | 1 4 |
| | 4 | 4" | BW | 4 1 |
| | 5 | 4" | BW | 1 4 |
| | 6 | 4" | BW | 4 1 |
| | 7 | 4" | BW | 1 4 |
| | 8 | 4" | BW | 4 1 |
| | 9 | 4" | BW | 1 2 |
| | 10 | 4" | BW | 2 1 |
| | 11 | 4" | BW | 1 7 |
| | 12 | 4" | BW | 2 7 |
| | 13 | 4" | BW | 7 1 |
| | 14 | 4" | BW | 1 4 |
| | 15 | 4" | BW | 4 1 |
| | 16 | 4" | BW | 1 4 |
| | 17 | 4" | BW | 4 7 |

CUTTING LIST

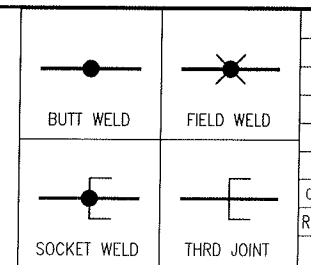
| MK | SIZE | LENGTH | HEAT# |
|----|------|----------|-------|
| A | 4" | 38 3/8" | |
| B | 4" | 10" | |
| C | 4" | 4 1/4" | |
| D | 4" | 30 1/16" | |
| E | 4" | 5" | |
| F | 4" | 8 3/4" | |
| G | 4" | 7 3/4" | |

HYDROTEST RECORD

| SEG | GAUGE No. | PRESSURE | DATE |
|-----|-----------|----------|------|
| | | | |
| | | | |
| | | | |

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.



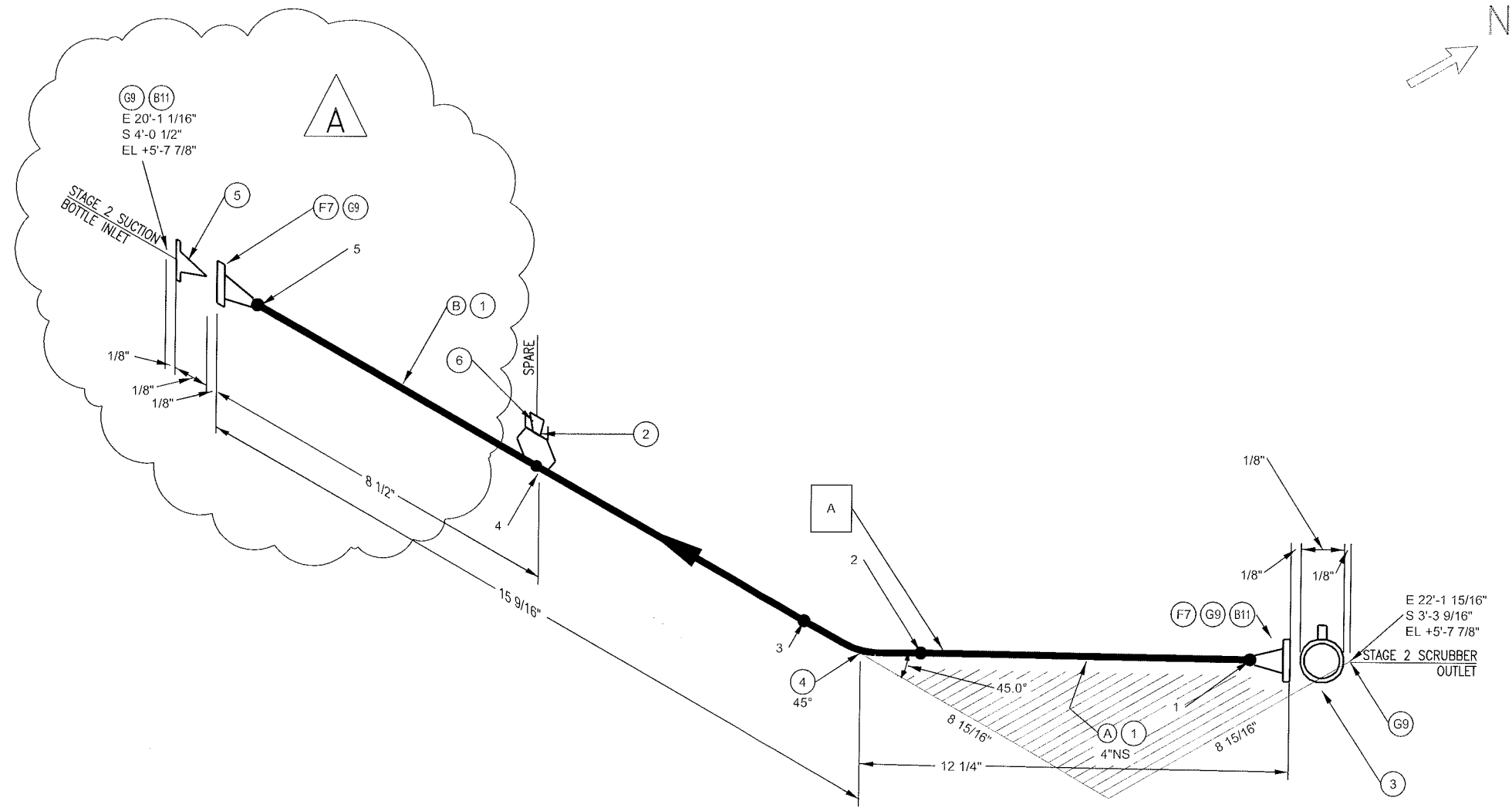
| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
 CALGARY, AB T2C 4Z1
 PHONE: (403) 235-5877
 FAX: (403) 272-7749

FROM DWG. #2S1
 TO STAGE 2 SCRUBBER INLET
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: _____ JOB#: 08-533

DWN DATE SCALE DWG# REV
 CP 15/11/2009 NTS 2S2 0



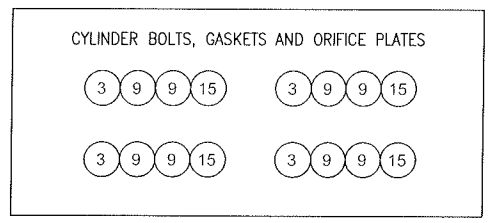
| MATERIAL LIST | | | | |
|---------------|-----|-----------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| A | 1 | 1'-1 3/4" | PIPE, SMLS, SCH 80, SA-106-B | |
| A | 2 | 1 | THREADOLET, 3000# FS, SA-105N | |
| A | 3 | 5 | ORIFICE PLATE, 600#RF | |
| A | 4 | 1 | ELBOW, 45 DEG, BW, SCH 80, SA-234-WPB | |
| A | 5 | 1 | CONE STRAINER, 150% FLOW AREA | |
| A | 6 | 1 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| A | 7 | 2 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| A | 9 | 12 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| A | 11 | 2 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (6 1/2" LG) | |
| A | 15 | 4 | (8) MACHINE BOLTS, GR 8 (4" LG) | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 4" | BW | 7 1 | A | 4" | 5 1/4" | |
| | 2 | 4" | BW | 1 4 | B | 4" | 8 1/2" A | |
| | 3 | 4" | BW | 4 1 | | | | |
| A | 4 | 3/4" | LET | 1 2 | | | | |
| | 5 | 4" | BW | 1 7 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: OCT 27 2009

REVISED DRAWING



| 600# PRESSURE PIPE DATA | |
|-------------------------|--------------------------|
| DESIGN PRESS. | 1310 PSIG |
| DESIGN TEMP. | 300°F |
| MDMT | -20°F AT 1310 PSIG |
| CORROSION ALLOW. | 0.125 IN |
| X-RAY | 100% |
| STRESS RELIEVED | 1150° F ± 25° F / 1 HR |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED |
| EXTERIOR SURFACE PREP | PICKLED |

NOTES:
 1. THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
 2. WELD GAP USED 1/8"
 3. SHOP TO CONFIRM WOL DIMENSIONS.

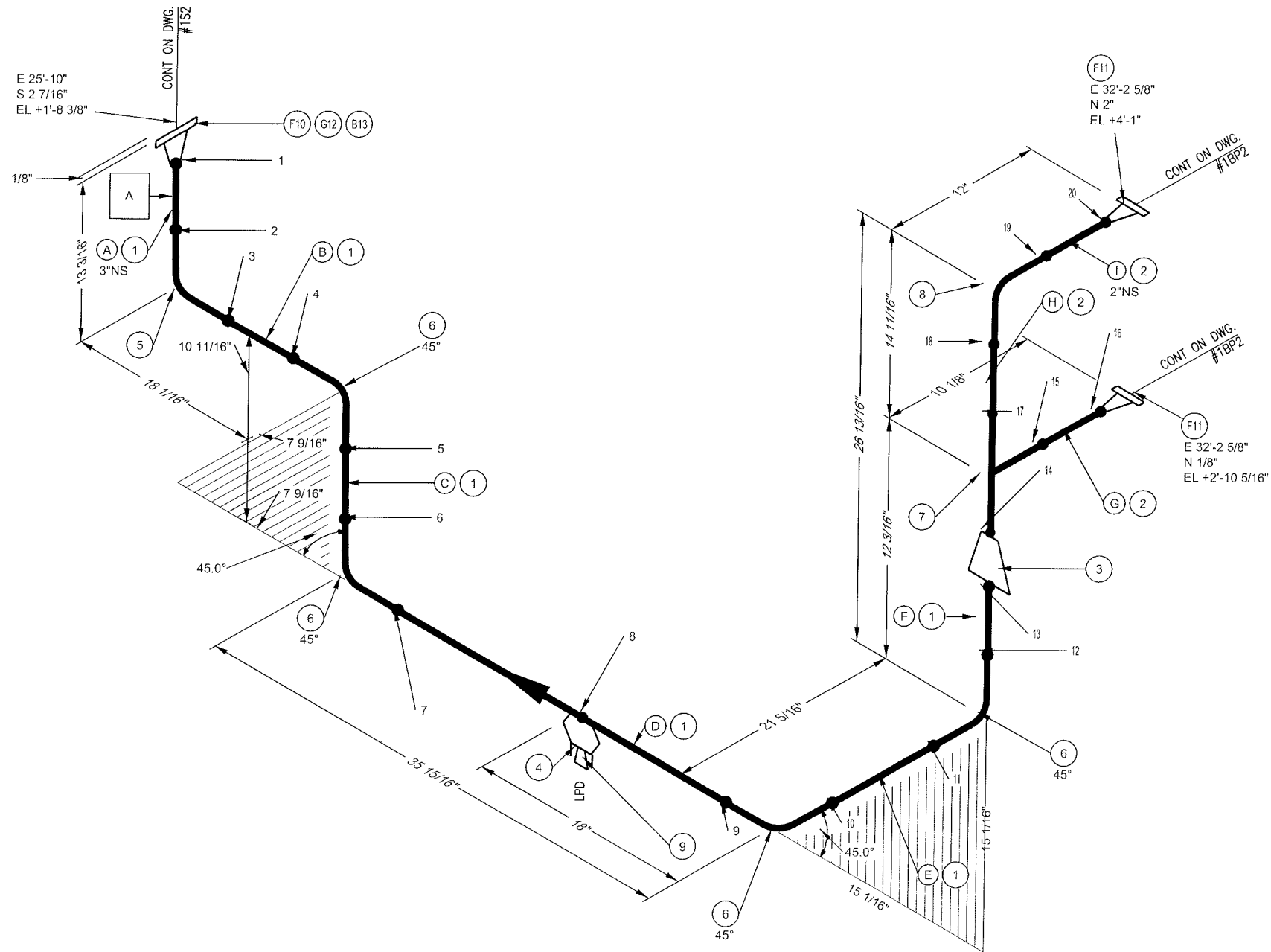
| REV | DATE | BY | APPR | DESCRIPTION |
|-----|------------|----|------|-------------------------|
| A | 10/27/2009 | CP | DR | REVISED PIPING |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1
 PHONE: (403) 235-5877 FAX: (403) 272-7749

GAS COMPRESSION

FROM STAGE 2 SCRUBBER OUTLET TO STAGE 2 SUCTION BOTTLE INLET
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: _____ JOB#: 08-533

DWN CP DATE 15/11/2009 SCALE NTS DWG# 2S3 REV A



| MATERIAL LIST | | | | |
|---------------|-----------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 6'-3 1/4" | 3 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 1'-4 1/2" | 2 | PIPE, SMLS, SCH 160, SA-106-B | |
| 3 | 1 | 3X2 | REDUCER, CONC, BW, SCH 80/160, SA-234-WPB | |
| 4 | 1 | 3X3/4 | THREDOLETT, 3000# FS, SA-105N | |
| 5 | 1 | 3 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 6 | 4 | 3 | ELBOW, 45 DEG, BW, SCH 80, SA-234-WPB | |
| 7 | 1 | 2X2 | TEE, STRAIGHT, BW, SCH 160, SA-234-WPB | |
| 8 | 1 | 2 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 9 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 10 | 1 | 3 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 11 | 2 | 2 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 12 | 1 | 3 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 13 | 1 | 3/4 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (5" LG) | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 3" | BW | 10 1 |
| | 2 | 3" | BW | 15 |
| | 3 | 3" | BW | 5 1 |
| | 4 | 3" | BW | 16 |
| | 5 | 3" | BW | 6 1 |
| | 6 | 3" | BW | 16 |
| | 7 | 3" | BW | 6 1 |
| | 8 | 3/4" | LET | 14 |
| | 9 | 3" | BW | 16 |
| | 10 | 3" | BW | 6 1 |
| | 11 | 3" | BW | 16 |
| | 12 | 3" | BW | 6 1 |
| | 13 | 3" | BW | 13 |
| | 14 | 2" | BW | 37 |
| | 15 | 2" | BW | 72 |
| | 16 | 2" | BW | 2 11 |
| | 17 | 2" | BW | 72 |
| | 18 | 2" | BW | 2 8 |
| | 19 | 2" | BW | 8 2 |
| | 20 | 2" | BW | 2 11 |

| CUTTING LIST | | | |
|--------------|------|-----------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 3" | 4 15/16" | |
| B | 3" | 11 5/16" | |
| C | 3" | 6 7/16" | |
| D | 3" | 31 11/16" | |
| E | 3" | 17 1/16" | |
| F | 3" | 3 13/16" | |
| G | 2" | 3 1/8" | |
| H | 2" | 8 7/8" | |
| I | 2" | 4 1/2" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: JUN 17 2009

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

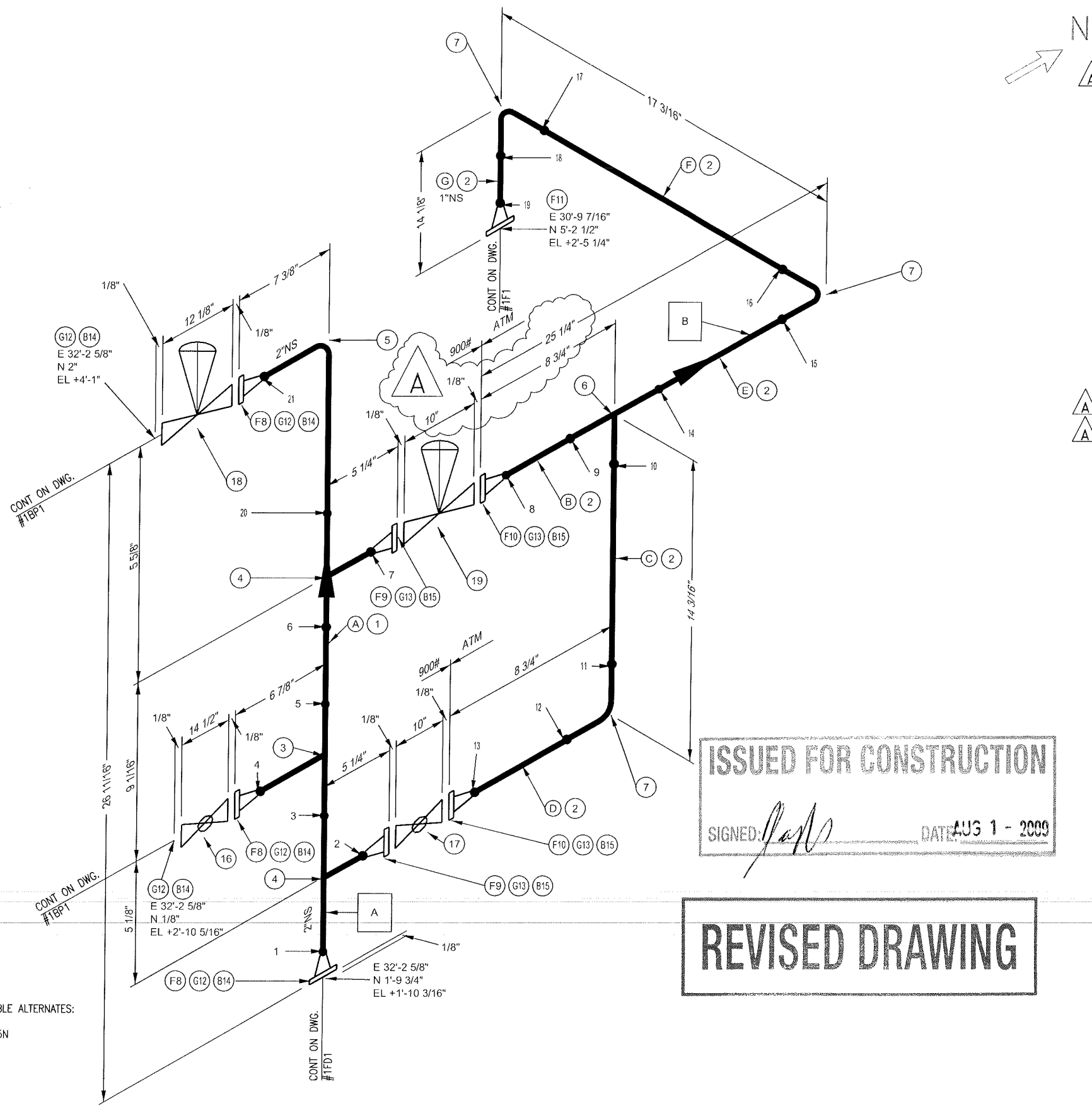
BIDELL EQUIPMENT

GAS COMPRESSION

6900 - 112th AVENUE S.E.
 CALGARY, AB T2C 4Z1
 PHONE: (403) 235-5877
 FAX: (403) 272-7749

BYPASS PIPING
 1 OF 2
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: _____ JOB#: 08-533

DWN CP DATE 15/1/2009 SCALE NTS DWG# **1BP1** REV **0**



| MATERIAL LIST | | | | |
|---------------|-------------|------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 0'-3 13/16" | 2 | PIPE, SMLS. SCH 160, SA-106-B | |
| 2 | 4'-7 15/16" | 1 | PIPE, SMLS. SCH 80, SA-106-B | |
| 3 | 1 | 2X2 | TEE, STRAIGHT, BW, SCH 160, SA-234-WPB | |
| 4 | 2 | 2X1 | TEE, REDUCING, BW, SCH 160, SA-234-WPB | |
| 5 | 1 | 2 | ELBOW, 90 DEG, LR, BW, SCH 160, SA-234-WPB | |
| 6 | 1 | 1X1 | TEE, STRAIGHT, BW, SCH 80, SA-234-WPB | |
| 7 | 3 | 1 | ELBOW, 90 DEG, LR, BW, SCH 80, SA-234-WPB | |
| 8 | 3 | 2 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 9 | 2 | 1 | FLANGE, RFWN, 900#, SCH 160, SA-105N | |
| 10 | 2 | 1 | FLANGE, RFWN, 900#, SCH 80, SA-105N | |
| 11 | 1 | 1 | FLANGE, RFWN, 150#, SCH 80, SA-105N | |
| 12 | 5 | 2 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 13 | 4 | 1 | GASKET, RF 1/8" SPIRAL WOUND, 900#, 316SS | |
| 14 | 5 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |
| 15 | 4 | 7/8 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (5" LG) | |
| 16 | 1 | 2 | BALL VALVE, 900#RF | |
| 17 | 1 | 1 | BALL VALVE, 900#RF | |
| 18 | 1 | 2 | CONTROL VALVE, DYNA-FLO DF2000, 1500#RF | |
| 19 | 1 | 1 | CONTROL VALVE, DYNA-FLO DF2410, 1500#RF | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 2" | BW | 8 4 |
| | 2 | 1" | BW | 4 9 |
| | 3 | 2" | BW | 4 3 |
| | 4 | 2" | BW | 3 8 |
| | 5 | 2" | BW | 3 1 |
| | 6 | 2" | BW | 1 4 |
| | 7 | 1" | BW | 4 9 |
| | 8 | 1" | BW | 10 2 |
| | 9 | 1" | BW | 2 6 |
| | 10 | 1" | BW | 6 2 |
| | 11 | 1" | BW | 2 7 |
| | 12 | 1" | BW | 7 2 |
| | 13 | 1" | BW | 2 10 |
| | 14 | 1" | BW | 6 2 |
| | 15 | 1" | BW | 2 7 |
| | 16 | 1" | BW | 7 2 |
| | 17 | 1" | BW | 2 7 |
| | 18 | 1" | BW | 7 2 |
| | 19 | 1" | BW | 2 11 |
| | 20 | 2" | BW | 4 5 |
| | 21 | 2" | BW | 5 8 |

| CUTTING LIST | | | |
|--------------|------|-----------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 2" | 3 13/16" | |
| B | 1" | 3 7/8" | |
| C | 1" | 10 7/8" | |
| D | 1" | 3 7/8" | |
| E | 1" | 13 1/4" | |
| F | 1" | 13 15/16" | |
| G | 1" | 10 1/8" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: AUG 1 - 2009

REVISED DRAWING

| 900# PRESSURE PIPE DATA | | ATM | |
|-------------------------|--------------------------|-----------------------|-----|
| DESIGN PRESS. | 1965 PSIG | DESIGN PRESS. | N/A |
| DESIGN TEMP. | 300°F | DESIGN TEMP. | N/A |
| MDMT | -20°F AT 1965 PSIG | MDMT | N/A |
| CORROSION ALLOW. | 0.125 IN | CORROSION ALLOW. | N/A |
| X-RAY | 100% | X-RAY | N/A |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | STRESS RELIEVED | N/A |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | INTERIOR SURFACE PREP | N/A |
| EXTERIOR SURFACE PREP | PICKLED | EXTERIOR SURFACE PREP | N/A |

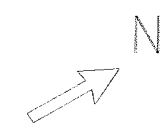
| REV | DATE | BY | APPR | DESCRIPTION |
|-----|----------|----|------|-------------------------|
| A | 4/8/2009 | CP | DR | REVISED VALVES |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1 PHONE: (403) 235-5877 FAX: (403) 272-7748

GAS COMPRESSION

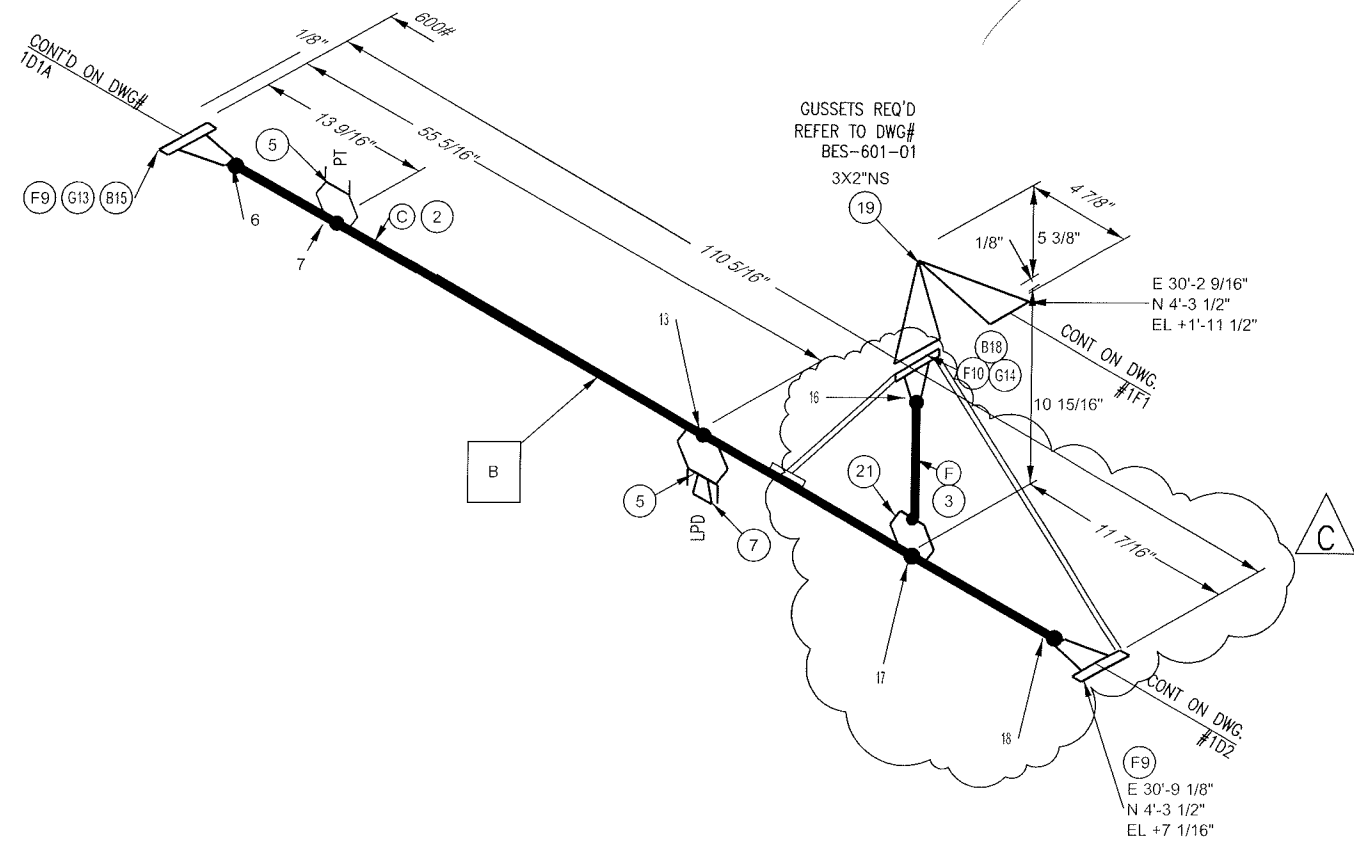
BYPASS PIPING
 2 OF 2
 CUSTOMER: BIDELL EQUIPMENT LP.
 LOCATION: STOCK
 LSD: JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 1BP2 | A |



ISSUED FOR CONSTRUCTION

SIGNED: _____ DATE: 09-10-09



| MATERIAL LIST | | | | |
|---------------|------------|-------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 0-9 1/2" | 4 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 8'-5 9/16" | 4 | PIPE, SMLS, SCH 80, SA-106-B | |
| 3 | 3 1/8" | 2 | PIPE, SMLS, SCH 160, SA-106-B | |
| 5 | 2 | 4X3/4 | THREDOLET, 3000# FS, SA-105N | |
| 7 | 1 | 3/4 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |
| 9 | 2 | 4 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 10 | 1 | 2 | FLANGE, RFWN, 600#, SCH 160, SA-105N | |
| 13 | 1 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 14 | 1 | 2 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 15 | 1 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |
| 18 | 1 | 5/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (5 1/2" LG) | |
| 19 | 1 | 3X2 | RELIEF VALVE, 600#RF X 150#RF | |
| 21 | 1 | 4X2 | WELDOLET, SCH 160, SA-105N | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|-----------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 6 | 4" | BW | 9 2 | C | 4" | 101 9/16" | |
| | 7 | 3/4" | LET | 2 5 | F | 2" | 3 1/8" | |
| | 13 | 3/4" | LET | 2 5 | | | | |
| | 16 | 2" | BW | 3 10 | | | | |
| | 17 | 2" | LET | 2 21 | | | | |
| | 18 | 4" | BW | 2 9 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F ± 25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|--|
| C | 5/10/2009 | NP | LS | ADDED GUSSETS TO DWG. |
| B | 9/9/2009 | NP | LS | REMOVED "S" PEICE TO ACCOMODATE BOTTLE |
| A | 20/7/2009 | CP | DR | REMOVED PIPING |
| 0 | 15/1/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

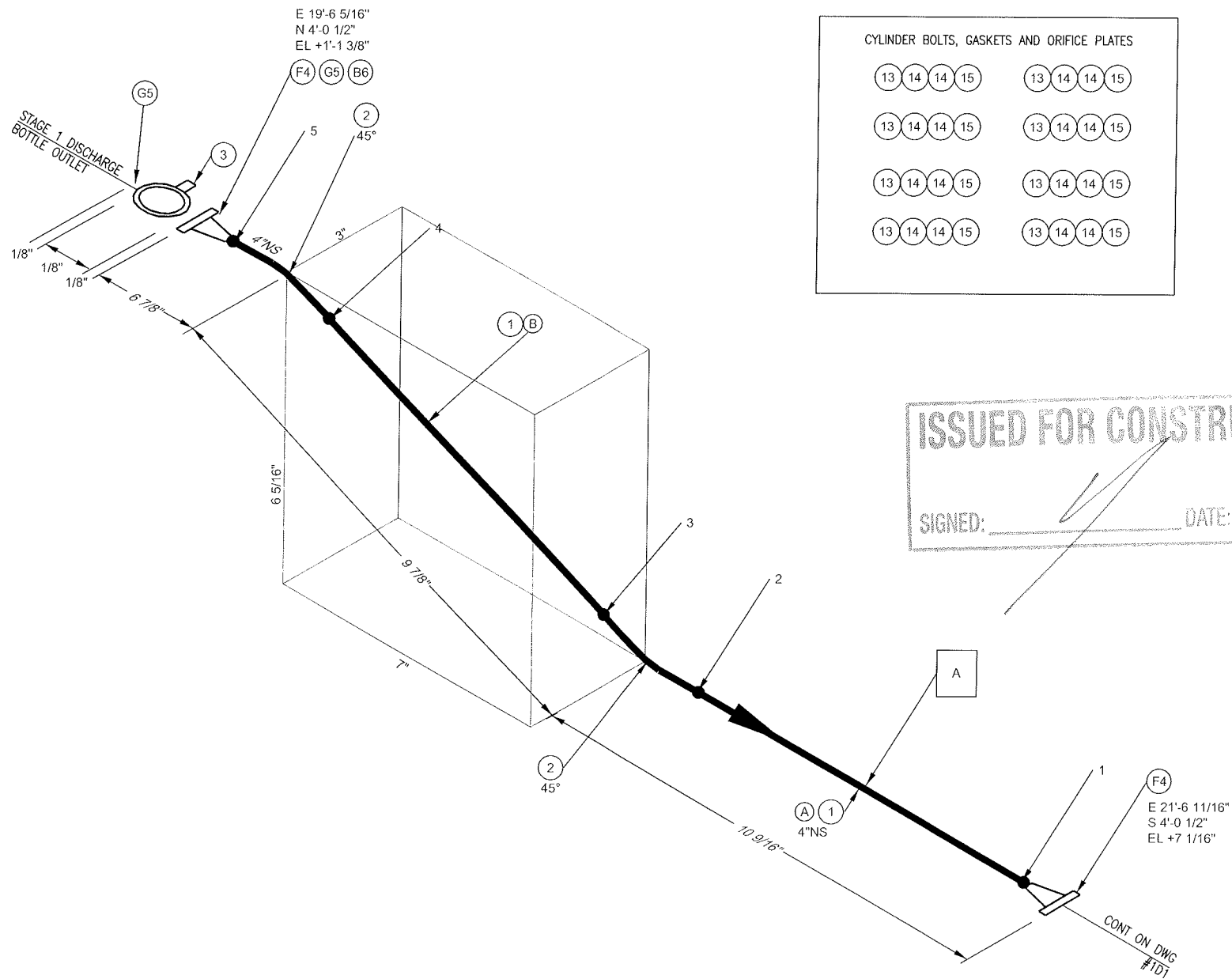
BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

GAS COMPRESSION

FROM STAGE 1 DISCHARGE BOTTLE OUTLET
TO DWG. #1D2
CUSTOMER: TALISMAN ENERGY INC
LOCATION: GLACIER
LSD: 16-15-76-13 W6M JOB#: 08-533

| | | | | |
|-----|-----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| CP | 15/1/2009 | NTS | 1D1 | C |



CYLINDER BOLTS, GASKETS AND ORIFICE PLATES

| | |
|---------------------|---------------------|
| (13) (14) (14) (15) | (13) (14) (14) (15) |
| (13) (14) (14) (15) | (13) (14) (14) (15) |
| (13) (14) (14) (15) | (13) (14) (14) (15) |
| (13) (14) (14) (15) | (13) (14) (14) (15) |

ISSUED FOR CONSTRUCTION

SIGNED: _____ DATE: 09-09-14

| MATERIAL LIST | | | | |
|---------------|------------|------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 0'-8 3/16" | 4 | PIPE, SMLS, SCH 80, SA-106-B | |
| 2 | 2 | 4 | ELBOW, 45 DEG, BW, SCH 80, SA-234-WPB | |
| 3 | 1 | 4 | ORIFICE PLATE, 600#RF | |
| 4 | 2 | 4 | FLANGE, RFWN, 600#, SCH 80, SA-105N | |
| 5 | 2 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 6 | 1 | 7/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (6" LG) | |
| 13 | 8 | 4 | ORIFICE PLATE, 600#RF | |
| 14 | 16 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 600#, 316SS | |
| 15 | 8 | 7/8 | (8) MACHINE BOLTS, C/W NUT, GR 8 (4" LG) | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|---------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 4" | BW | 4 1 | A | 4" | 3 9/16" | |
| | 2 | 4" | BW | 1 2 | B | 4" | 4 5/8" | |
| | 3 | 4" | BW | 2 1 | | | | |
| | 4 | 4" | BW | 1 2 | | | | |
| | 5 | 4" | BW | 2 4 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| 600# PRESSURE PIPE DATA | | | |
|-------------------------|--------------------------|--------------------|---------------------|
| DESIGN PRESS. | 1310 PSIG | HYDROTEST PRESS. | 2220 PSIG |
| DESIGN TEMP. | 300°F | HYDROTEST TEMP. | AMBIENT |
| MDMT | -20°F AT 1310 PSIG | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | 0.125 IN | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | 100% | CODE | ASME B31.3 (NORMAL) |
| STRESS RELIEVED | 1150°F±25°F / 1 HR | | |
| INTERIOR SURFACE PREP | PICKLED & RUST PROTECTED | | |
| EXTERIOR SURFACE PREP | PICKLED | | |

| | | | | | | | |
|-------------|------------|--|--|--|--|--|--|
| | | | | | | | |
| BUTT WELD | FIELD WELD | | | | | | |
| | | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | |

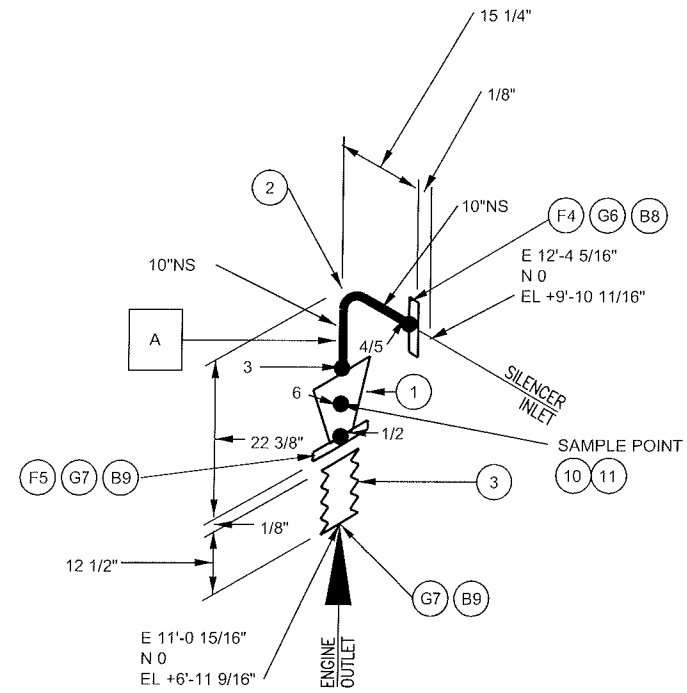
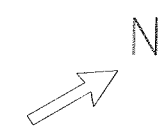
BIDELL EQUIPMENT 6900 - 112th AVENUE S.E. CALGARY, AB T2C 4Z1
 PHONE: (403) 235-5877 FAX: (403) 272-7749

GAS COMPRESSION

FROM STAGE 1 DISCHARGE BOTTLE OUTLET TO DWG. #1D1
 CUSTOMER: TALISMAN ENERGY INC.
 LOCATION: GLACIER
 LSD: 16-15-76-13 W6M JOB#: 08-533

| | | | | |
|-----|----------|-------|------|-----|
| DWN | DATE | SCALE | DWG# | REV |
| NP | 9/9/2009 | NTS | 1D1A | 0 |

| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|-------------------------|
| 0 | 09/9/2009 | NP | LS | ISSUED FOR CONSTRUCTION |



| MATERIAL LIST | | | | |
|---------------|-----|------|---|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 1 | 10X8 | REDUCER, CONC, BW, SCH 40, SA-234-WPB | |
| 2 | 1 | 10 | ELBOW, 90 DEG, LR, BW, SCH 40, SA-234-WPB | |
| 3 | 1 | 8 | EXPANSION JOINT, 150#FF | |
| 4 | 1 | 10 | PLATE FLANGE, 1/2" THK, 125#FF, SA-36 | |
| 5 | 1 | 8 | PLATE FLANGE, 1/2" THK, 125#FF, SA-36 | |
| 6 | 1 | 10 | GASKET, FF 1/8", 150#, DURABLA | |
| 7 | 2 | 8 | GASKET, FF 1/8", 150#, DURABLA | |
| 8 | 1 | 7/8 | (12) MACH BOLT, C/W NUT, GR.8 (3" LG) | |
| 9 | 2 | 3/4 | (8) MACH BOLT, C/W NUT, GR.8 (3" LG) | |
| 10 | 1 | 1/2 | THREDOLET, 3000# FS, SA-105N | |
| 11 | 1 | 1/2 | PLUG, HEX HEAD, THRD, 6000# FS, SA-105N | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 8" | SOF | 5 1 |
| | 2 | 8" | SOF | 5 1 |
| | 3 | 10" | BW | 1 2 |
| | 4 | 10" | SOF | 2 4 |
| | 5 | 10" | SOF | 2 4 |
| | 6 | 1/2" | LET | 1 10 |

| CUTTING LIST | | | |
|--------------|------|--------|-------|
| MK | SIZE | LENGTH | HEAT# |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |
| | | | |

ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: JUN 17 2009

| | | | |
|-----------------------|-----|--------------------|-----|
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | N/A |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | N/A |
| MDMT | N/A | HYDROTEST DURATION | N/A |
| CORROSION ALLOW. | N/A | WELDING | N/A |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | | |
|-------------|------------|----|------|-------------------------|--|--|--|
| ● | ✱ | | | | | | |
| BUTT WELD | FIELD WELD | | | | | | |
| □ | □ | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | |
| REV | DATE | BY | APPR | DESCRIPTION | | | |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION | | | |
| | | | | REVISIONS | | | |

BIDELL EQUIPMENT

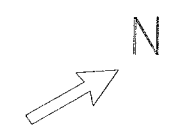
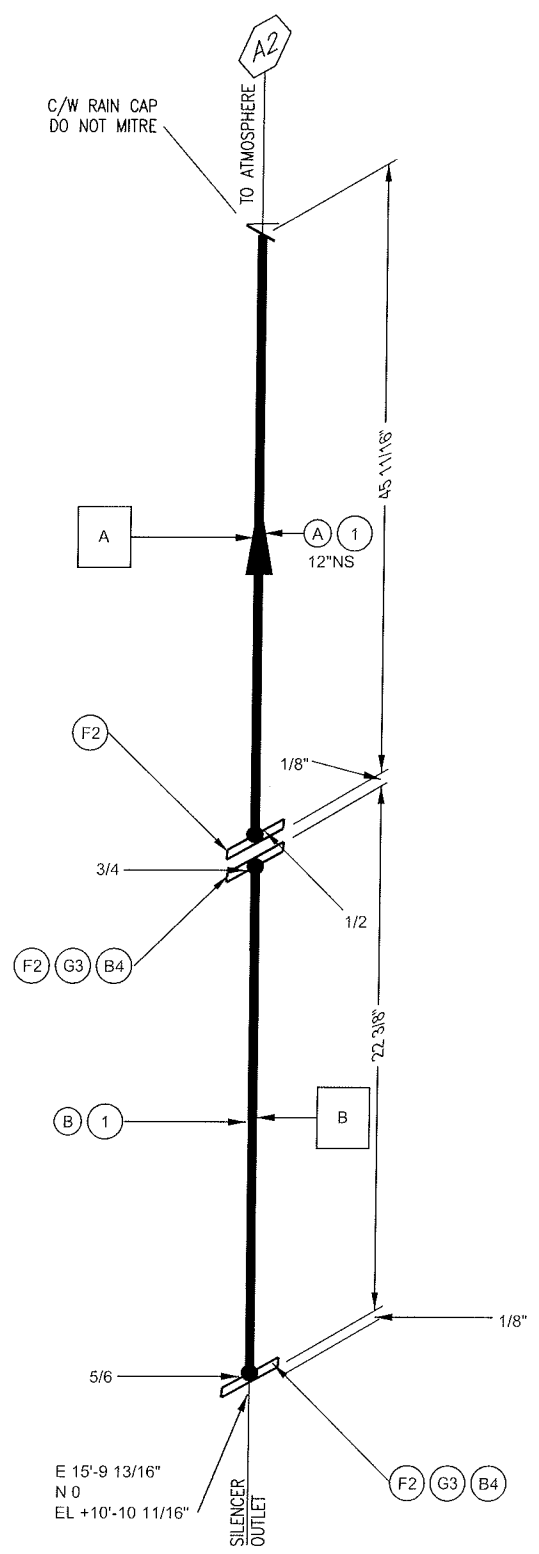
GAS COMPRESSION

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

EXHAUST PIPING
(SHEET 1 OF 2)
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK

JOB#: 08-533

DWN CP DATE 15/1/2009 SCALE NTS DWG# 1EX1 REV 0



| MATERIAL LIST | | | | |
|---------------|------------|------|---------------------------------------|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 5'-7 5/16" | 12 | TUBING, ERW, 10 ga, A569 | |
| 2 | 3 | 12 | PLATE FLANGE, 3/8" THK, 125#FF, SA-36 | |
| 3 | 2 | 12 | GASKET, FF 1/8", 150#, DURABLA | |
| 4 | 2 | 7/8 | (12) MACH BOLT, C/W NUT, GR.8 (3" LG) | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 12" | SOF | 1 2 |
| | 2 | 12" | SOF | 1 2 |
| | 3 | 12" | SOF | 2 1 |
| | 4 | 12" | SOF | 2 1 |
| | 5 | 12" | SOF | 1 2 |
| | 6 | 12" | SOF | 1 2 |

| CUTTING LIST | | | |
|--------------|------|----------|-------|
| MK | SIZE | LENGTH | HEAT# |
| A | 12" | 45 7/16" | |
| B | 12" | 21 7/8" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

ISSUED FOR CONSTRUCTION
 SIGNED: *[Signature]* DATE: JUN 17 2009

| | | |
|-----------------------|-----|------------------------|
| N/A | | |
| DESIGN PRESS. | N/A | HYDROTEST PRESS. N/A |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. N/A |
| MDMT | N/A | HYDROTEST DURATION N/A |
| CORROSION ALLOW. | N/A | WELDING N/A |
| X-RAY | N/A | CODE N/A |
| STRESS RELIEVED | N/A | |
| INTERIOR SURFACE PREP | N/A | |
| EXTERIOR SURFACE PREP | N/A | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
 SA-333-6 IN PLACE OF SA-106-B
 SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
 SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | |
|-------------|------------|----|------|-------------------------|--|--|
| | | | | | | |
| BUTT WELD | FIELD WELD | | | | | |
| | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | |
| REV | DATE | BY | APPR | DESCRIPTION | | |
| 0 | 9/6/2009 | CP | DR | ISSUED FOR CONSTRUCTION | | |
| REVISIONS | | | | | | |

BIDELL EQUIPMENT

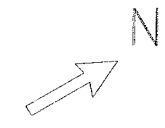
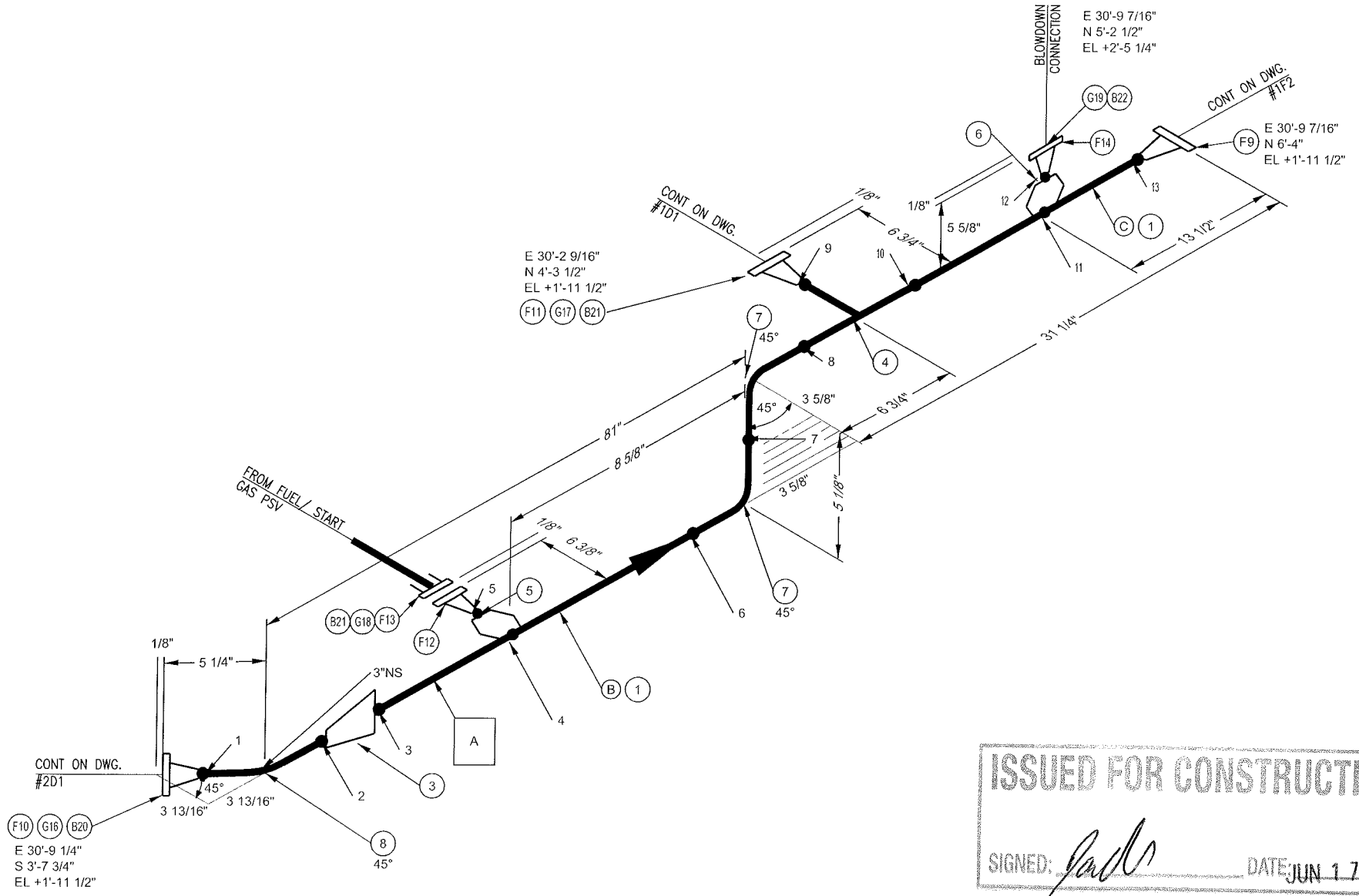
GAS COMPRESSION

EXHAUST PIPING
(SHEET 2 OF 2)
CUSTOMER: BIDELL EQUIPMENT LP.
LOCATION: STOCK
LSD:

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

JOB#: 08-533

DWN CP 15/1/2009 SCALE NTS DWG# 1EX2 REV 0



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

| MATERIAL LIST | | | | |
|---------------|-----------|------|--|-------|
| MK | QTY | SIZE | DESCRIPTION | HEAT# |
| 1 | 7'-5 1/4" | 4 | PIPE, SMLS, SCH 40, SA-106-B | |
| 3 | 1 | 4X3 | REDUCER, CONC, BW, SCH 40, SA-234-WPB | |
| 4 | 1 | 4X3 | TEE, REDUCING, BW, SCH 40, SA-234-WPB | |
| 5 | 1 | 4X2 | WELDOLET, SCH 80, SA-105N | |
| 6 | 1 | 4X1 | WELDOLET, SCH 80, SA-105N | |
| 7 | 2 | 4 | ELBOW, 45 DEG, BW, SCH 40, SA-234-WPB | |
| 8 | 1 | 3 | ELBOW, 45 DEG, BW, SCH 40, SA-234-WPB | |
| 9 | 1 | 4 | FLANGE, RFWN, 150#, SCH 40, SA-105N | |
| 10 | 1 | 3 | FLANGE, RFWN, 300#, SCH 40, SA-105N | |
| 11 | 1 | 3 | FLANGE, RFWN, 150#, SCH 40, SA-105N | |
| 12 | 1 | 2 | FLANGE, RFWN, 150#, SCH 80, SA-105N | |
| 13 | 1 | 2 | FLANGE, THRD, 150#RF, SA-105N | |
| 14 | 1 | 1 | FLANGE, RFWN, 150#, SCH 80, SA-105N | |
| 16 | 1 | 3 | GASKET, RF 1/8" SPIRAL WOUND, 300#, 316SS | |
| 17 | 1 | 3 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 18 | 1 | 2 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 19 | 1 | 1 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | |
| 20 | 1 | 3/4 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (4 1/2" LG) | |
| 21 | 2 | 5/8 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (3 1/2" LG) | |
| 22 | 1 | 1/2 | (4) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (2 1/2" LG) | |

| WELD SUMMARY | | | | |
|--------------|----|------|------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N |
| | 1 | 3" | BW | 10 8 |
| | 2 | 3" | BW | 8 3 |
| | 3 | 4" | BW | 3 1 |
| | 4 | 2" | LET | 1 5 |
| | 5 | 2" | BW | 5 12 |
| | 6 | 4" | BW | 1 7 |
| | 7 | 4" | BW | 7 7 |
| | 8 | 4" | BW | 7 4 |
| | 9 | 3" | BW | 4 11 |
| | 10 | 4" | BW | 4 1 |
| | 11 | 1" | LET | 1 6 |
| | 12 | 1" | BW | 6 14 |
| | 13 | 4" | BW | 1 9 |

| CUTTING LIST | | | |
|--------------|------|---------|-------|
| MK | SIZE | LENGTH | HEAT# |
| B | 4" | 72 1/8" | |
| C | 4" | 17 1/8" | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| | | | |
|-----------------------|-----|--------------------|-----------------|
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | 428 PSIG |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | AMBIENT |
| MDMT | N/A | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | N/A | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

NOTES:

- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
- WELD GAP USED 1/8"
- SHOP TO CONFIRM WOL DIMENSIONS.

| | | | | | | | |
|-------------|------------|----|------|-------------------------|--|--|--|
| BUTT WELD | FIELD WELD | | | | | | |
| SOCKET WELD | THRD JOINT | | | | | | |
| 0 | 15/1/2009 | CP | DR | ISSUED FOR CONSTRUCTION | | | |
| REV | DATE | BY | APPR | DESCRIPTION | | | |

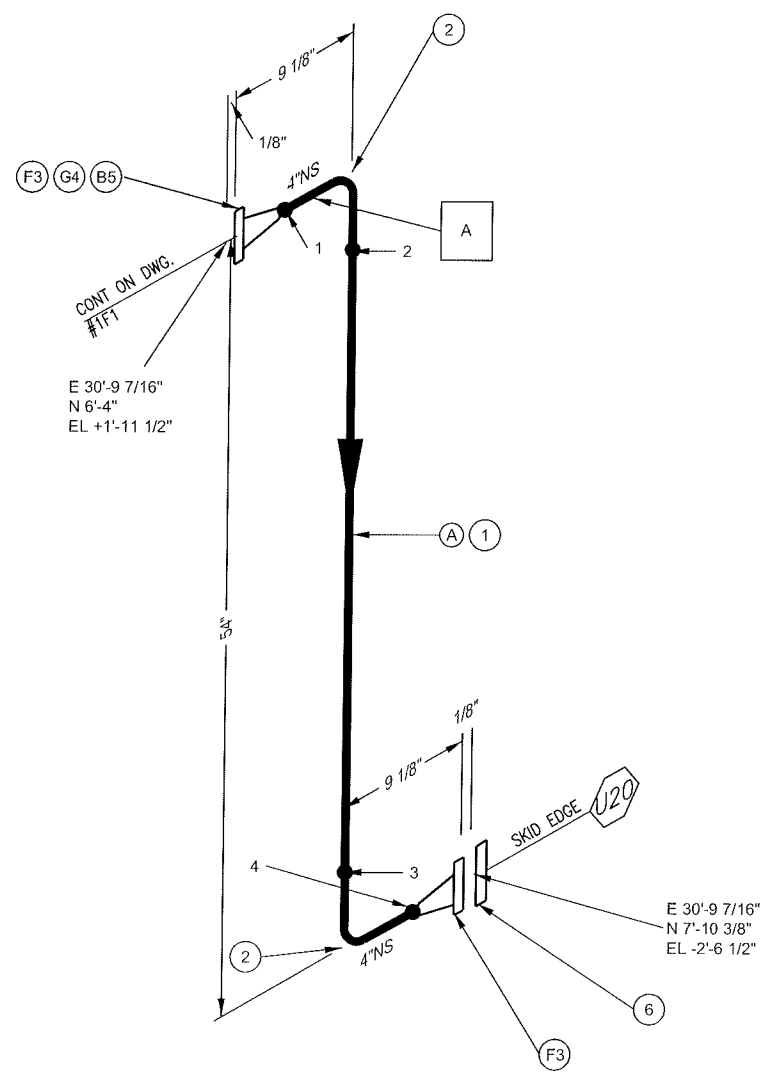
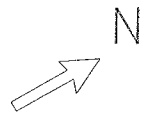
BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FLARE PIPING TO DWG. #1F2
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK

LSD: _____ JOB#: 08-533

| | | | | |
|--------|-----------|-------|------|-----|
| DWN/CP | DATE | SCALE | DWG# | REV |
| | 15/1/2009 | NTS | 1F1 | 0 |



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]* DATE: JUN 17 2009

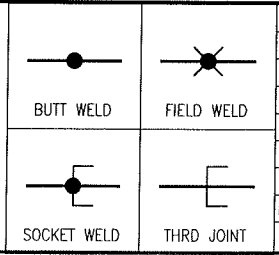
| MATERIAL LIST | | | | | |
|---------------|-----------|------|--|-------|--|
| MK | QTY | SIZE | DESCRIPTION | HEAT# | |
| 1 | 3'-5 3/4" | 4 | PIPE, SMLS, SCH 40, SA-106-B | | |
| 2 | 2 | 4 | ELBOW, 90 DEG, LR, BW, SCH 40, SA-234-WPB | | |
| 3 | 2 | 4 | FLANGE, RFWN, 150#, SCH 40, SA-105N | | |
| 4 | 1 | 4 | GASKET, RF 1/8" SPIRAL WOUND, 150#, 316SS | | |
| 5 | 1 | 5/8 | (8) STUD BOLT, C/W 2 NUTS, SA-193-B7M/SA-194-2HM (3 1/2" LG) | | |
| 6 | 1 | 4 | FLANGE, COVER, 150#RF | | |

| WELD SUMMARY | | | | | CUTTING LIST | | | |
|--------------|----|------|------|-------|--------------|------|---------|-------|
| XRAY | MK | SIZE | TYPE | LOC'N | MK | SIZE | LENGTH | HEAT# |
| | 1 | 4" | BW | 3 2 | A | 4" | 41 3/4" | |
| | 2 | 4" | BW | 2 1 | | | | |
| | 3 | 4" | BW | 1 2 | | | | |
| | 4 | 4" | BW | 2 3 | | | | |

| HYDROTEST RECORD | | | |
|------------------|-----------|----------|------|
| SEG | GAUGE No. | PRESSURE | DATE |
| | | | |

| | | | |
|-----------------------|-----|--------------------|-----------------|
| DESIGN PRESS. | N/A | HYDROTEST PRESS. | 428 PSIG |
| DESIGN TEMP. | N/A | HYDROTEST TEMP. | AMBIENT |
| MDMT | N/A | HYDROTEST DURATION | ONE HOUR |
| CORROSION ALLOW. | N/A | WELDING | BE-1/BE-2/BE-12 |
| X-RAY | N/A | CODE | N/A |
| STRESS RELIEVED | N/A | | |
| INTERIOR SURFACE PREP | N/A | | |
| EXTERIOR SURFACE PREP | N/A | | |

- NOTES:
- THE FOLLOWING MAT'LS CONSTITUTE ACCEPTABLE ALTERNATES:
SA-333-6 IN PLACE OF SA-106-B
SA-350-LF2 CLASS 1 IN PLACE OF SA-105N
SA-420-WPL6 IN PLACE OF SA-234-WPB
 - WELD GAP USED 1/8"
 - SHOP TO CONFIRM WOL DIMENSIONS.



| REV | DATE | BY | APPR | DESCRIPTION |
|-----|-----------|----|------|-------------------------|
| 0 | 15/1/2009 | CP | DR | ISSUED FOR CONSTRUCTION |

BIDELL EQUIPMENT

6900 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

FROM DWG. #1F1
TO PIPE RACK
CUSTOMER: BIDELL EQUIPMENT
LOCATION: STOCK
LSD: _____ JOB#: 08-533

| | | | | |
|--------|----------------|-----------|----------|-------|
| DWN CP | DATE 15/1/2009 | SCALE NTS | DWG# 1F2 | REV 0 |
|--------|----------------|-----------|----------|-------|