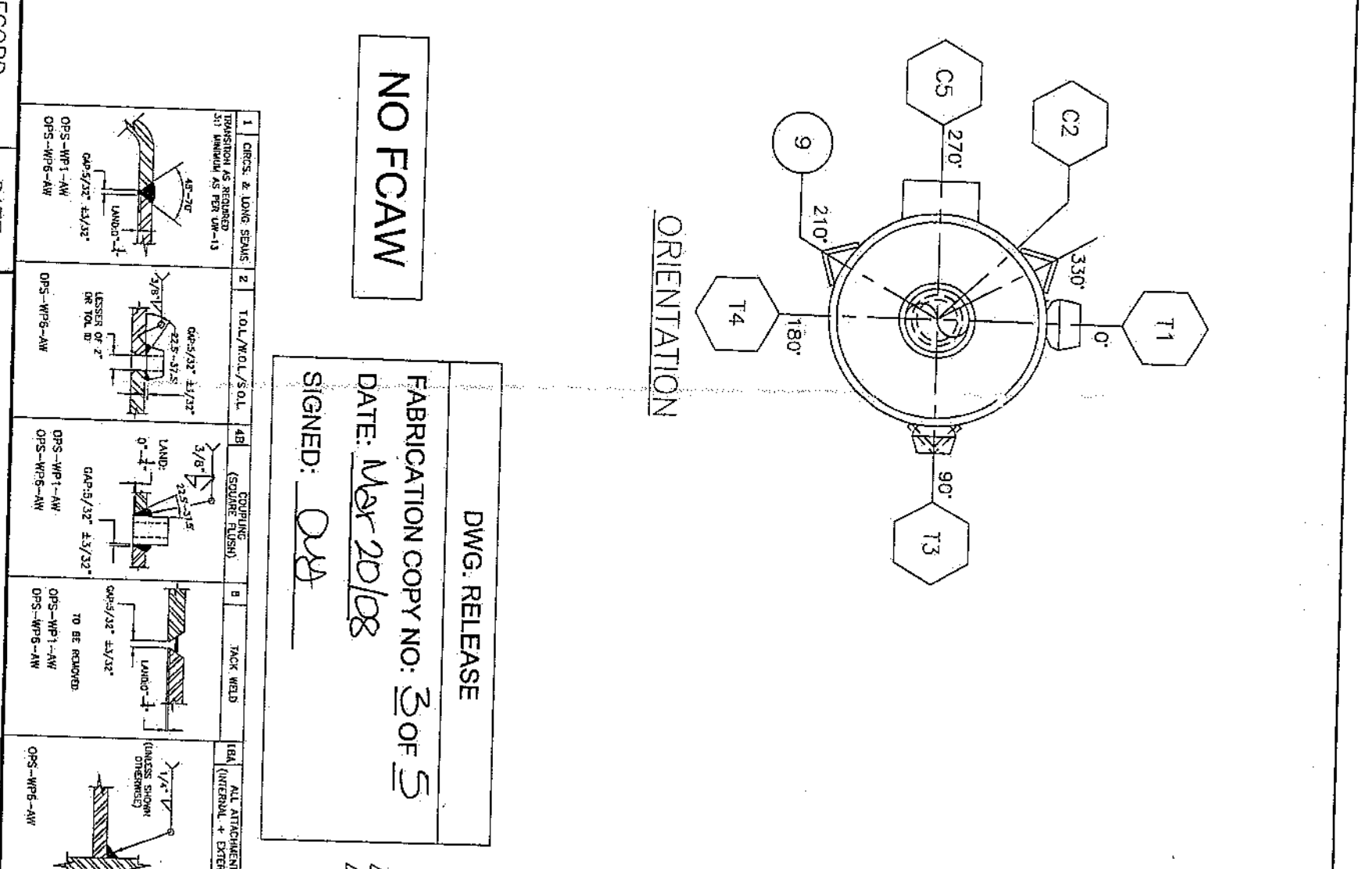
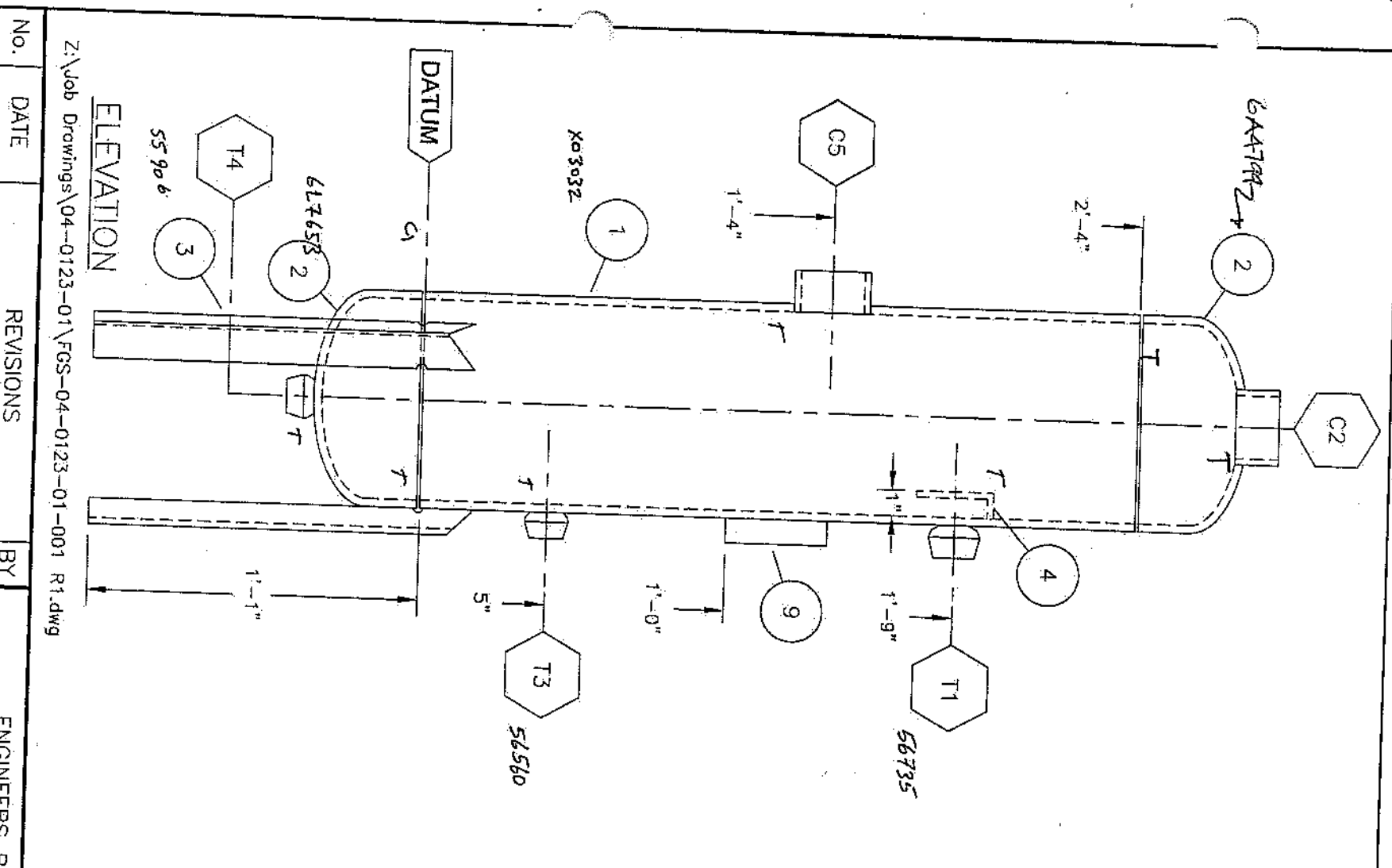


| No. | DATE | REVISIONS | BY | ENGINEERS RECORD | DATE |
|-----|----------|-------------------------|----------|--------------------|----------|
| 0 | 03/14/08 | ISSUED FOR CONSTRUCTION | J.C. | James Chen | 03/13/08 |
| | 03/20/08 | REVISED DESIGN PRESSURE | J.C. | James Chen | 03/13/08 |
| | | | APPD. BY | <i>[Signature]</i> | 03/13/08 |

ENSIGN
Opasco Manufacturing

P.O. # 1782

| | |
|----------|-----------------------------------------|
| CLIENT | ENCANA CORPORATION |
| PROJECT | C/O SOLARIS MANAGEMENT CONSULTANTS INC. |
| TITLE | LINE HEATER PACKAGE |
| SCALE | 1"=6" |
| JOB No. | MFG04-0123-01 |
| DWG. No. | FGS-04-0123-01-001 |
| REV. | 1 |



| ITEM | QTY. | DESCRIPTION |
|------|----------|------------------------------------------------------|
| 1 | AS REQ'D | 8.625" O.D. SMLS PIPE, SCH 80, SA-106B OR SA-333-Gr6 |
| 2 | 2 | 8" WELD CAP, SCH 80, SA-234-WPB |
| 3 | 3 | 1 1/2" x 1 1/4" x 1/4" THK. x 15" LG. ANGLE, SA-36 |
| 4 | 1 | 3" x 2" x 1/4" THK. x 7" SA-36. (CUT TO SUIT) |
| 5 | 2 | 2" CL3000 HALF COUPLING, SA-105N |
| 6 | 1 | 1" CL3000 TOL ON 8" PIPE, SA-105N |
| 7 | 1 | 1" NPT CL3000 TOL ON FLAT, SA-105N |
| 8 | 1 | 3/4" CL3000 TOL ON 8" PIPE, SA-105N |
| 9 | 1 | 6"x4" NAMEPLATE BRACKET, SA-516-70N |

| MARK | SIZE | RATING | SERVICE | WD | ITEM |
|------|------|--------|------------|----|------|
| T1 | 1" | CL3000 | GAS INLET | 2 | 6 |
| C2 | 2" | CL3000 | GAS OUTLET | 4B | 5 |
| T3 | 3/4" | CL3000 | AUTO DRAIN | 2 | 8 |
| T4 | 1" | CL3000 | DRAIN | 2 | 7 |
| C5 | 2" | CL3000 | LC | 4B | 5 |

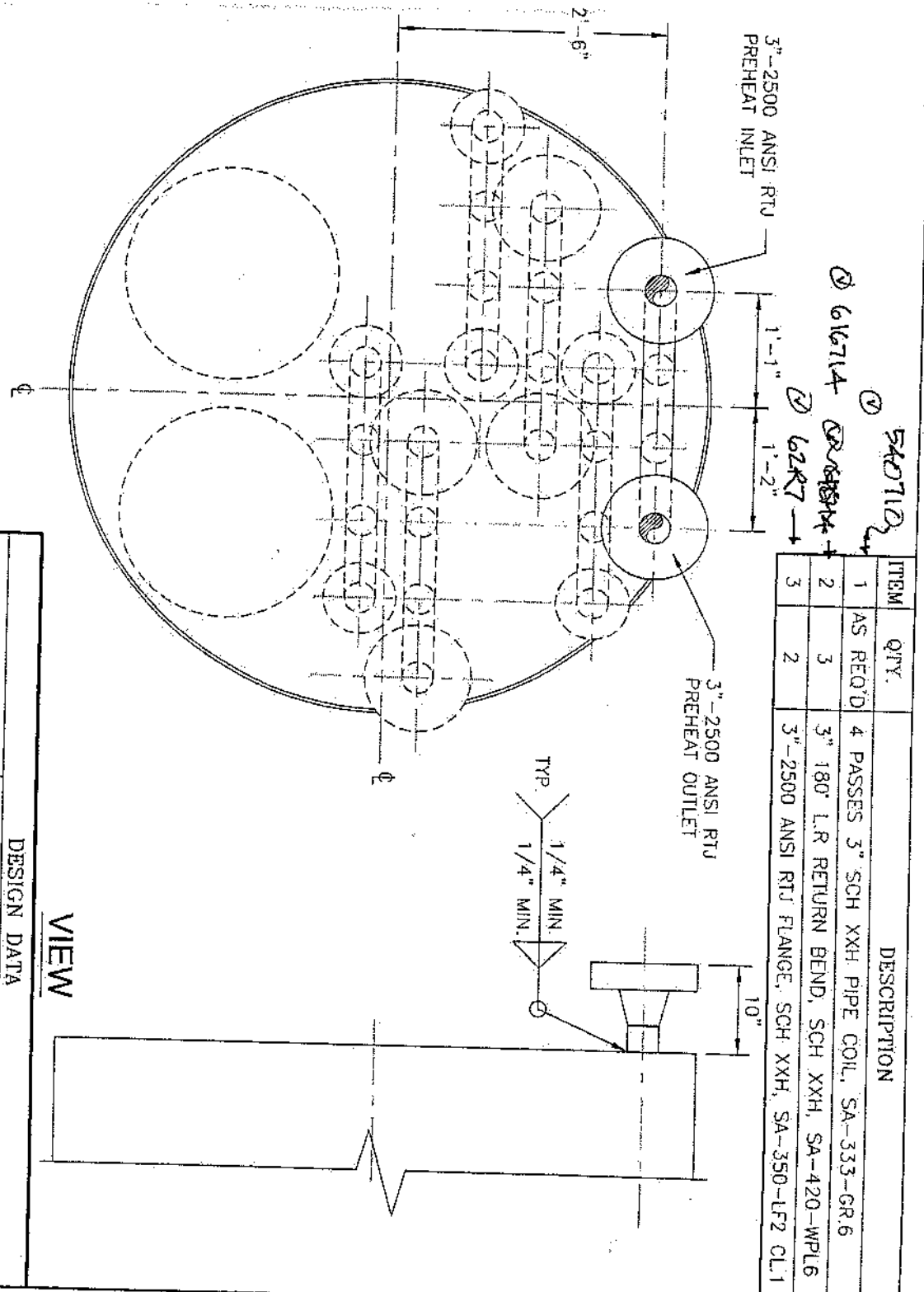
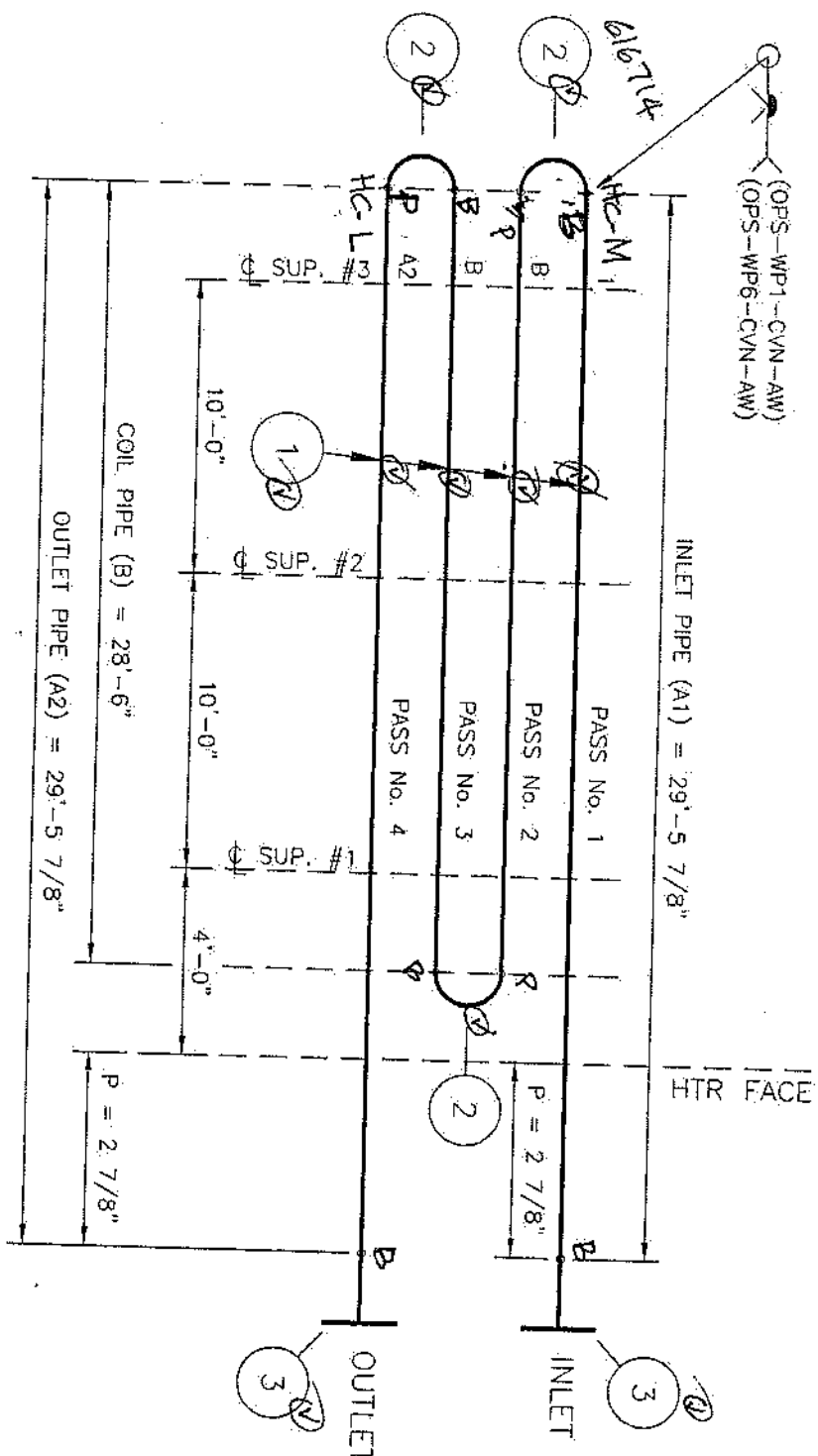
| DESIGN & CONSTRUCTION | | DESIGN DATA | |
|-----------------------|---------------|--------------------|-----------------------|
| Code Year: 2004 | Addenda: 2006 | Design Pressure | 1350 PSIG |
| | | Design Temperature | 200° F |
| | | Hydrotest Press. | 2025 PSIG |
| | | Corr. Allowance | 0.0625 Inch |
| | | Stress Relieve | NO |
| | | Final Joint Eff. | 100% |
| | | Inspection By | MANUFACTURER |
| | | Length Overall | 28 Inches |
| | | Volume | 0.811 Cu. Ft. |
| | | CRN Drawing No. | FGS-04.0057.01-001 RD |

NO FCCAW

DWG. RELEASE
FABRICATION COPY NO: 3 OF 5
DATE: Mar 20/08
SIGNED: *[Signature]*

Note: For fabrication tolerances refer to "Standard Fabrication Tolerances for Unfired Pressure Vessels, (Rev. 0)"

Note: Spot on circs, as per UWS2



| ITEM | QTY. | DESCRIPTION |
|------|----------|---------------------------------------------------|
| 1 | AS REQ'D | 4 PASSES 3" SCH XXH PIPE COIL, SA-333-GR 6 |
| 2 | 3 | 3" 180° L.R RETURN BEND, SCH XXH, SA-420-WPL6 |
| 3 | 2 | 3"-2500 ANSI RTJ FLANGE, SCH XXH, SA-350-LF2 CL.1 |

NOTES:

- 1. GMAW USE ER70S-2

INLET/OUTLET PIPE (A) = L-3+P-2D
 COIL PIPE (B) = L-(6+4D)

WHERE: L = LENGTH OF LINEHEATER
 P = PROJECTION
 D = PIPE DIA. (NPS)

* BASED ON LATEST SHELL DESIGN (DEC. '95)
 Z:\Job Drawings\04-0123-01\PRE-HEAT1.dwg

NO FCAW

| No. | DATE | REVISIONS | BY | ENGINEERS RECORD | DATE |
|-----|----------|-------------------------|------|------------------------|-----------|
| 0 | 02/26/08 | PRELIMINARY | J.C. | DRAWN BY James Cheg | 02/26/08 |
| | 02/28/08 | ISSUED FOR CONSTRUCTION | J.C. | CHECKED BY [Signature] | FEB 28/08 |
| | | | | APPD. BY [Signature] | FEB 28/08 |

COIL ORIENTATION
 LINEHTR. O.D. = 72"

DWG. RELEASE

FABRICATION COPY NO: 3 OF 5
 DATE: Feb 28/08
 SIGNED: [Signature]

| DESIGN DATA | |
|--------------------------|-----------------------------------------------------------------------------|
| CONSTRUCTION | To be designed and constructed in accordance with ASME B31.3 Process Piping |
| Code Year: | 2006 |
| MDMT | -50°F, exempt from impact testing as per PARA 323 |
| DESIGN PRESSURE | 5501 PSIG |
| DESIGN TEMPERATURE | 275 °F |
| HYDROTEST PRESS. (N & C) | 9255 PSIG |
| CORR. ALLOWANCE | 0.067 inch / 2.2 mm |
| RADIOGRAPHY | 10% As per para. 341.4.1 (NORMAL) |
| STRESS RELIEVE | NO |
| FINAL JOINT EFF. | 100% |
| INSPECTION BY | ABSA |
| HEATING SURFACE AREA | 109.08 Sq. ft. |
| VOLUME | 3.43 Cu. ft. |
| CRN DRAWING/FILE NO. | HC-04.0057.01-001 R1 |
| SHIPPING WEIGHT | 2433 lbs |
| CLIENT | ENCANA CORPORATION |
| PROJECT | C/O SOLARIS MANAGEMENT CONSULTANTS INC. |
| TITLE | 3" SCH. XXH, 4 PASSES PREHEAT COIL |

ENSIGN
 Opsco Manufacturing

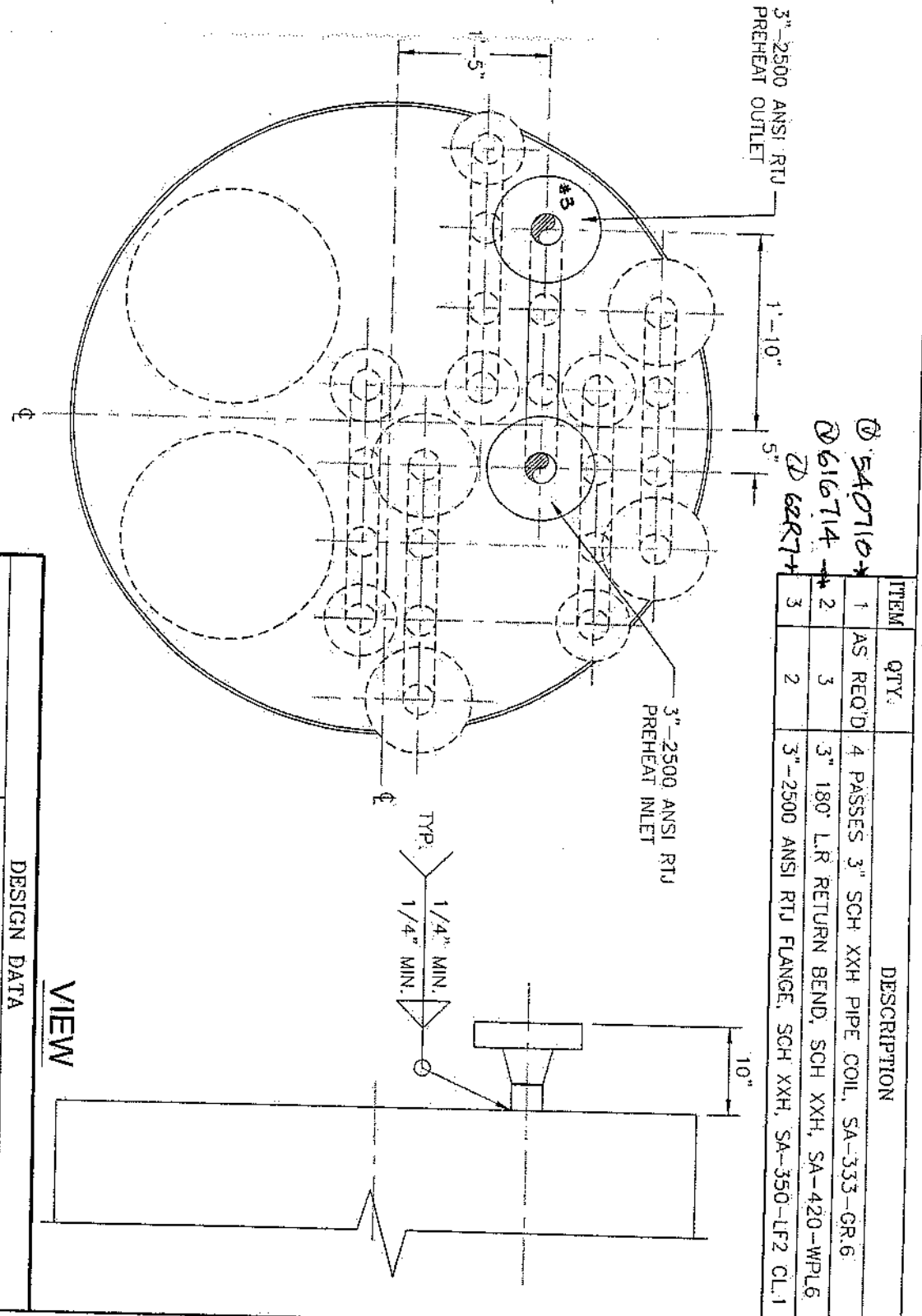
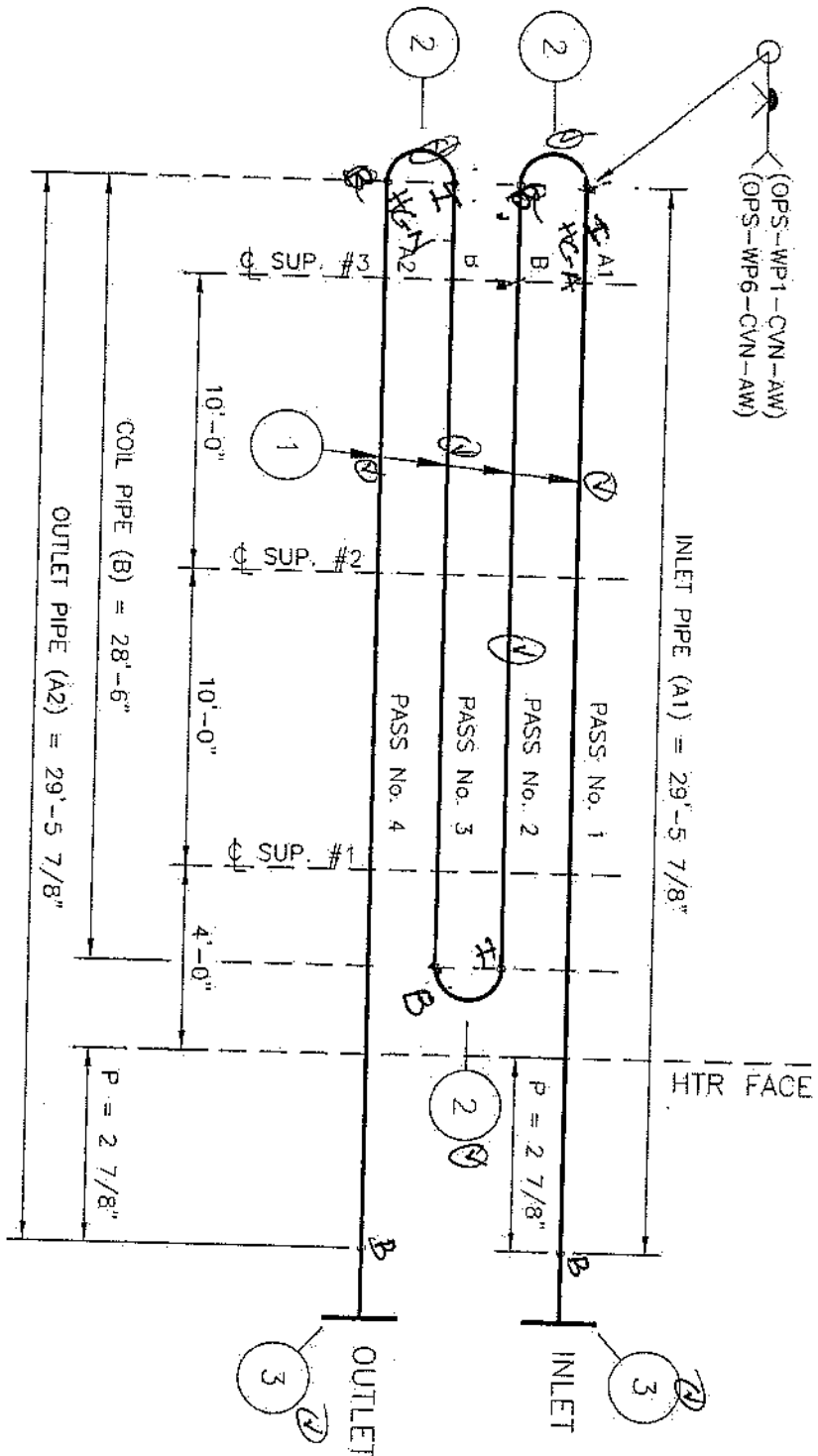
P.O.# 1782

SCALE: NTS

JOB No. MFG-04-0123-01

DWG. No. HC-04-0123-01-001

REV. 1



| ITEM | QTY | DESCRIPTION |
|------|----------|---------------------------------------------------|
| 1 | AS REQ'D | 4 PASSES 3" SCH XXH PIPE COIL, SA-333-GR.6 |
| 2 | 3 | 3" 180° L/R RETURN BEND, SCH XXH, SA-420-WPL6 |
| 3 | 2 | 3"-2500 ANSI RTJ FLANGE, SCH XXH, SA-350-LF2 CL.1 |

COIL ORIENTATION

LINEHTR. O.D. = 72"

NO FCAW

DWG. RELEASE

FABRICATION COPY NO: 3 OF 5

DATE: Feb 28/08

SIGNED: *[Signature]*

WHERE: L = LENGTH OF LINEHEATER
 P = PROJECTION
 D = PIPE DIA. (NPS)

* BASED ON LATEST SHELL DESIGN (DEC. 95)
 Z:\Job Drawings\04-0123-01\PRE-HEAT2.dwg

- NOTES:**
1. GMAW USE ER70S-2

INLET/OUTLET PIPE (A) = L-3+P-2D
 COIL PIPE (B) = L-(6+4D)

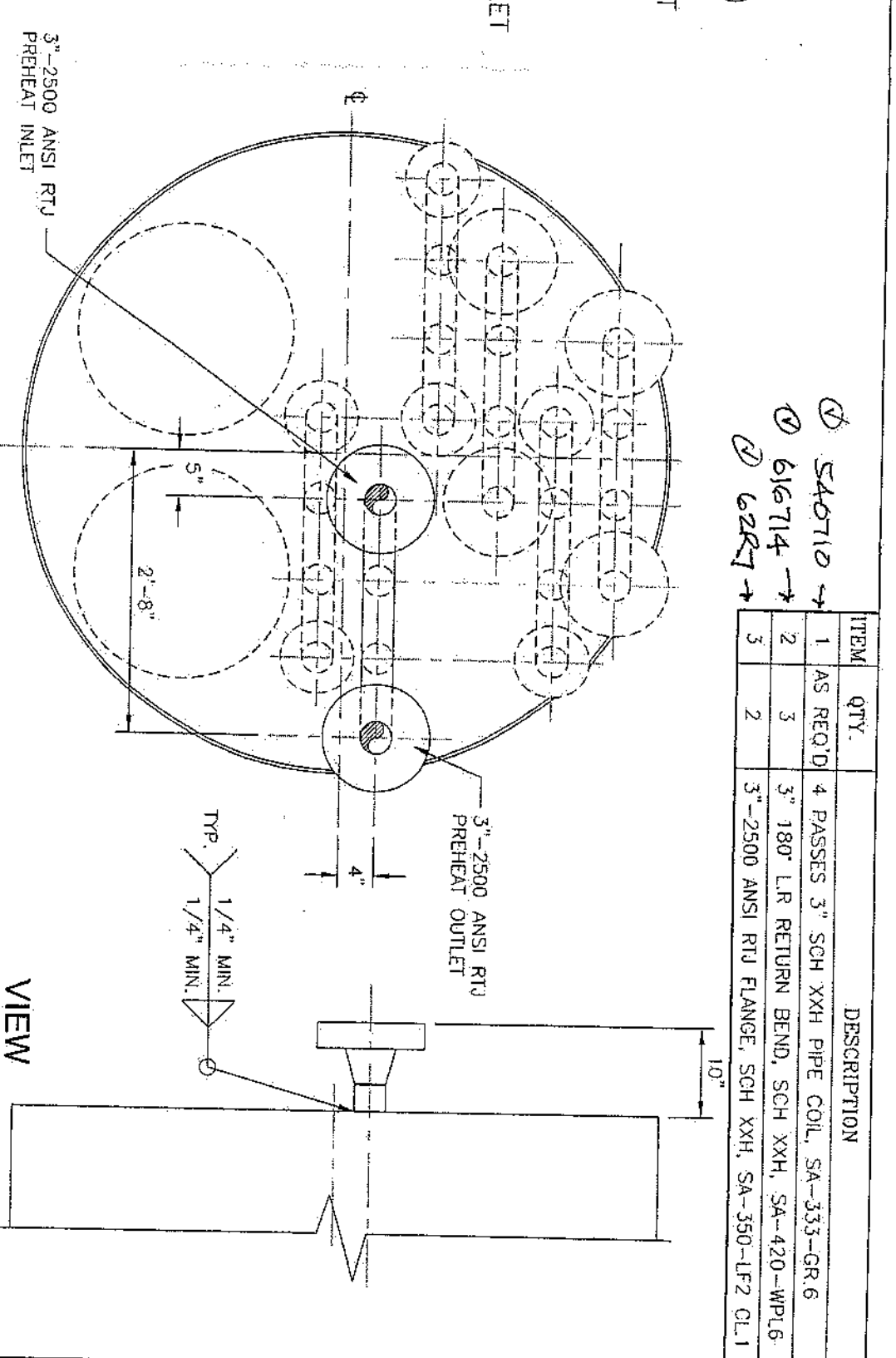
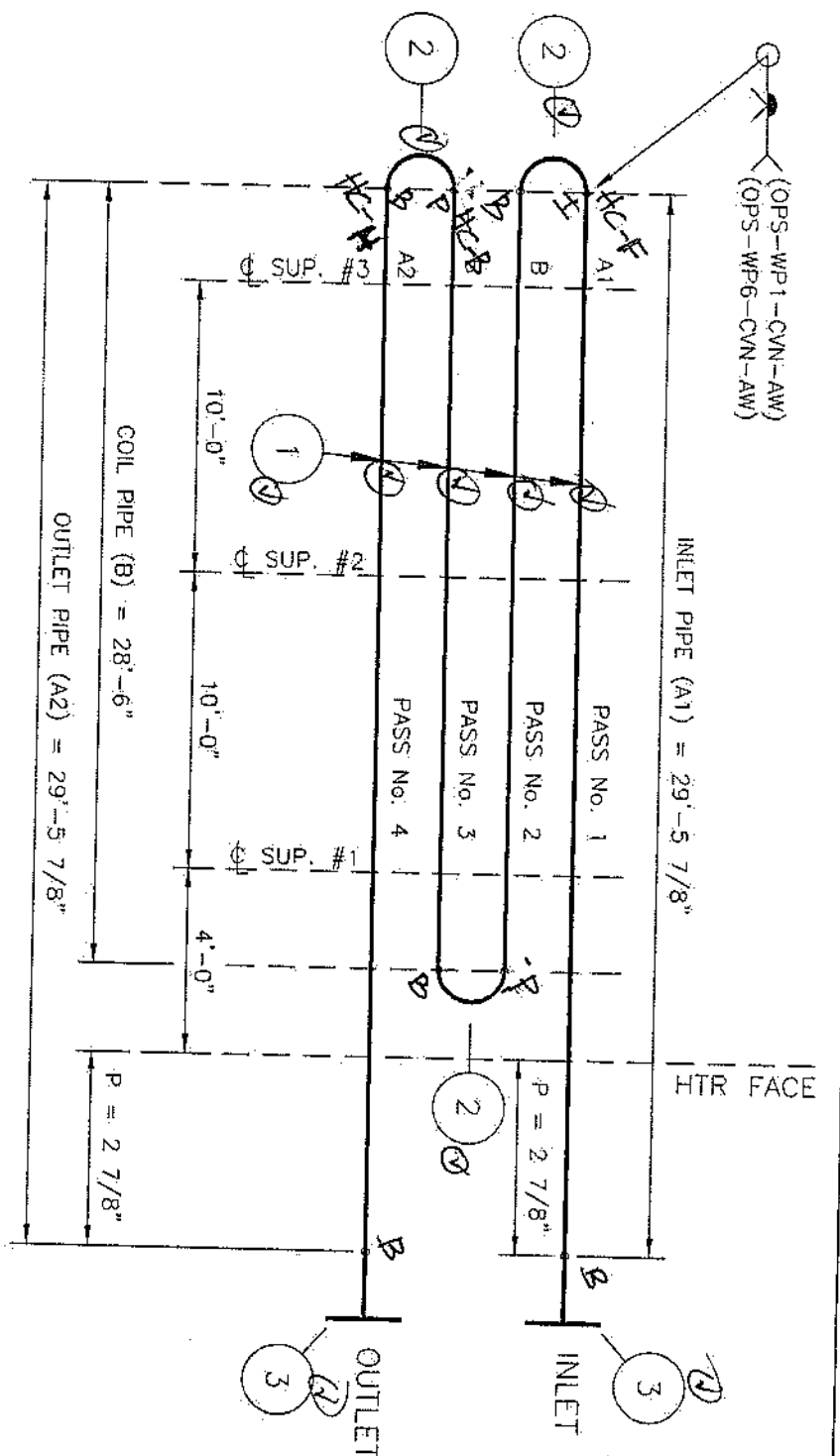
| No. | DATE | REVISIONS | BY | ENGINEERS RECORD | DATE |
|-----|----------|-------------------------|------|-------------------------------|-----------|
| 0 | 02/26/08 | PRELIMINARY | J.C. | DRAWN BY James Chen | 02/26/08 |
| | 02/28/08 | ISSUED FOR CONSTRUCTION | J.C. | CHECKED BY <i>[Signature]</i> | FEB 28/08 |
| | | | | APPD. BY <i>[Signature]</i> | FEB 28/08 |

ENSIGN

Opasco Manufacturing

P.O.# 1782

| CONSTRUCTION | | DESIGN DATA | |
|-----------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------|------------------------|
| To be designed and constructed in accordance with ASME B31.3 Process Piping | | Code Year: 2006 | |
| MOHT | | -50F, exempt from Impact testing as per PARA. 323 | |
| DESIGN PRESSURE | 5501 PSIG | 37928 Kpa | SERIAL No. 04-0123-02 |
| DESIGN TEMPERATURE | 275 °F | 135 °C | CRN <i>[Signature]</i> |
| HYDROTEST PRESS.(N & C) | 9255 PSIG | 63811 Kpa | YEAR BUILT 2008 |
| GORR. ALLOWANCE | 0.087 inch | 2.2 mm | |
| RADIOGRAPHY | 10% As per para. 341.4.1 (NORMAL) | | |
| STRESS RELIEVE | NO | | |
| FINAL JOINT EFF. | 100% | | |
| INSPECTION BY | A.B.S.A | | |
| HEATING SURFACE AREA | 109.08 Sq. ft. | 10.1 Sq.m. | |
| VOLUME | 3.43 Cu. ft. | 0.097 Cu. m. | |
| CRN DRAWING/FILE NO. | HC-04-0057.01-001 R1 | | |
| SHIPPING WEIGHT | 2433 Lbs | 1106 Kgs | |
| CLIENT | ENCANA CORPORATION | | |
| PROJECT | C/O SOLARIS MANAGEMENT CONSULTANTS INC. | | |
| TITLE | LINE HEATER PACKAGE | | |
| SCALE | AREA: MAXHAMISH, LSD: b-76-k/94-0-8 | | |
| NTS | 3" SCH. XXH, 4 PASSES PREHEAT COIL | | |
| JOB No. MFG-04-0123-01 | DWG. No. HC-04-0123-01-002 | REV. 1 | |



- ① 540710 →
- ② 616714 →
- ③ 6287 →

| ITEM | QTY. | DESCRIPTION |
|------|----------|---------------------------------------------------|
| 1 | AS REQ'D | 4 PASSES 3" SCH XXH PIPE COIL, SA-333-GR.6 |
| 2 | 3 | 3" 180° L.R RETURN BEND, SCH XXH, SA-420-WPL6 |
| 3 | 2 | 3"-2500 ANSI RTJ FLANGE, SCH XXH, SA-350-LF2 CL.1 |

NOTES:

1. GMAW USE ER70S-2

INLET/OUTLET PIPE (A) = L-3+P-2D
 COIL PIPE (B) = L-(6+4D)

WHERE: L = LENGTH OF LINEHEATER
 P = PROJECTION
 D = PIPE DIA. (NPS)

* BASED ON LATEST SHELL DESIGN (DEC. '95)
 Z:\Job Drawings\04-0123-01\PRE-HEAT3.dwg

NO FCAW

| No. | DATE | REVISIONS | BY | ENGINEERS RECORD | DATE |
|-----|----------|-------------------------|------|-------------------------|-----------|
| 0 | 02/26/08 | PRELIMINARY | J.C. | DRAWN BY: James Chen | 02/26/08 |
| | 02/28/08 | ISSUED FOR CONSTRUCTION | J.C. | CHECKED BY: [Signature] | Feb 28/08 |
| | | | | APPD. BY: [Signature] | Feb 28/08 |

COIL ORIENTATION

LINEHTR. O.D. = 72"

DWG. RELEASE

FABRICATION COPY NO: 3 OF 5

DATE: Feb 28/08

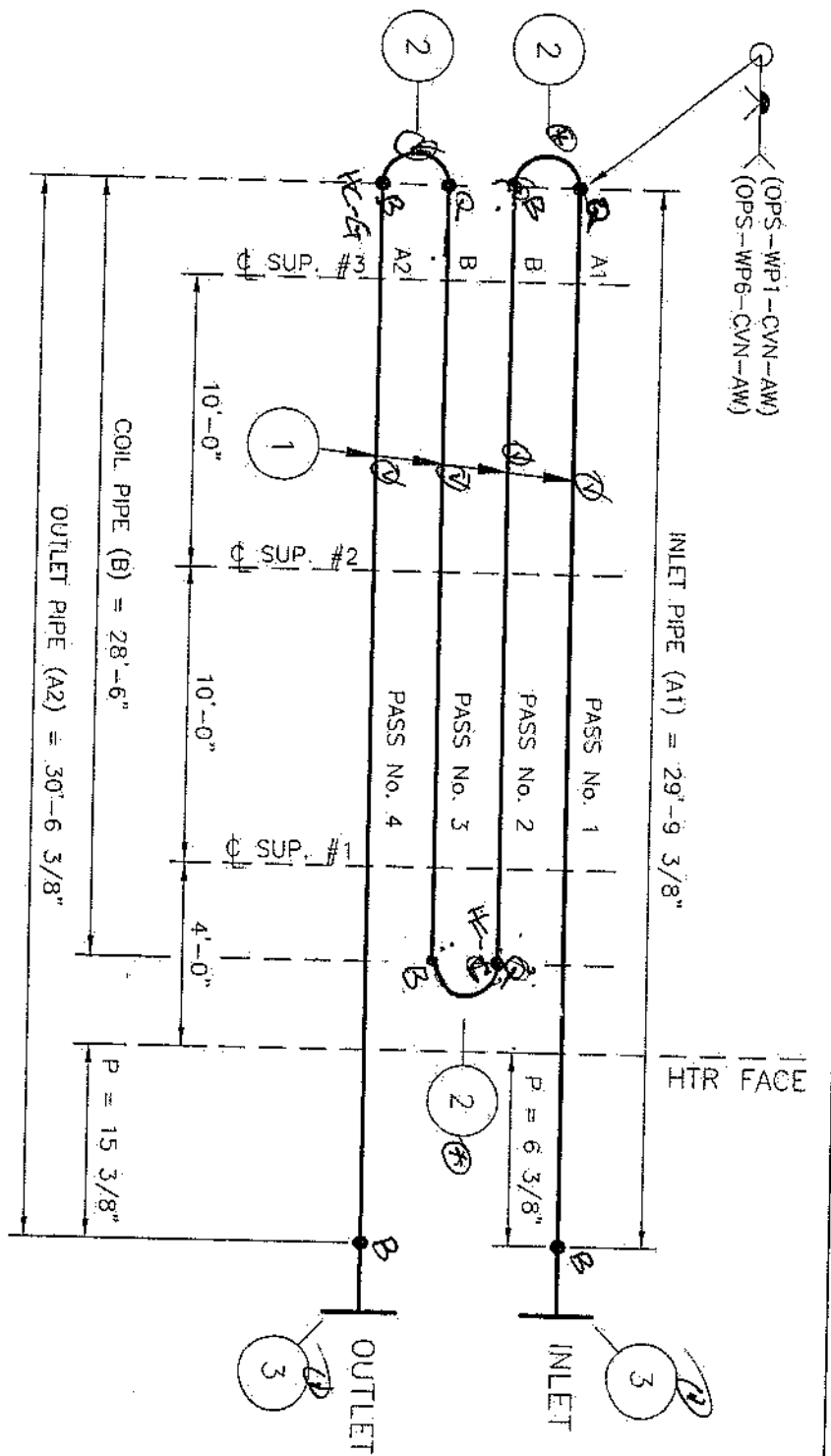
SIGNED: [Signature]

DESIGN DATA

| | | | |
|-------------------------|-----------------------------------------------------------------------------|----------------------------|-----------------------|
| CONSTRUCTION | To be designed and constructed in accordance with ASME B31.3 Process Piping | | |
| Code Year: 2006 | | | |
| MDMT | -50°F, exempt from impact testing as per PARA 323 | | |
| DESIGN PRESSURE | 5501 PSIG | 37928 Kpc | SERIAL No. 04-0123-03 |
| DESIGN TEMPERATURE | 275 °F | 135 °C | GRN |
| HYDROTEST PRESS.(N & C) | 9255 PSIG | 63811 Kpa | YEAR BUILT 2008 |
| CORR. ALLOWANCE | 0.087 inch | 2.2 mm | |
| RADIOGRAPHY | 10% As per para. 341.4.1 (NORMAL) | | |
| STRESS RELIEVE | NO | | |
| FINAL JOINT EFF. | 100% | | |
| INSPECTION BY | A.B.S.A. | | |
| HEATING SURFACE AREA | 109.08 Sq. ft. | 10.1 Sq.m. | |
| VOLUME | 3.43 Cu. ft. | 0.097 Cu. m. | |
| GRN DRAWING/FILE NO. | HC-04.0057.01-001 R1 | | |
| SHIPPING WEIGHT | 2433 Lbs | 1106 Kgs | |
| CLIENT | ENCANA CORPORATION | | |
| PROJECT | C/O SOLARIS MANAGEMENT CONSULTANTS INC. | | |
| TITLE | AREA: MAXHAMISH, LSD: b-76-k/94-0-8 | | |
| SCALE | JOB No. MFC-04-0123-01 | DWG. No. HC-04-0123-01-003 | REV. 1 |

ENSTIGN
 Opasco Manufacturing

P.O.# 1782



NOTES:
1. GMAW USE ER70S-2

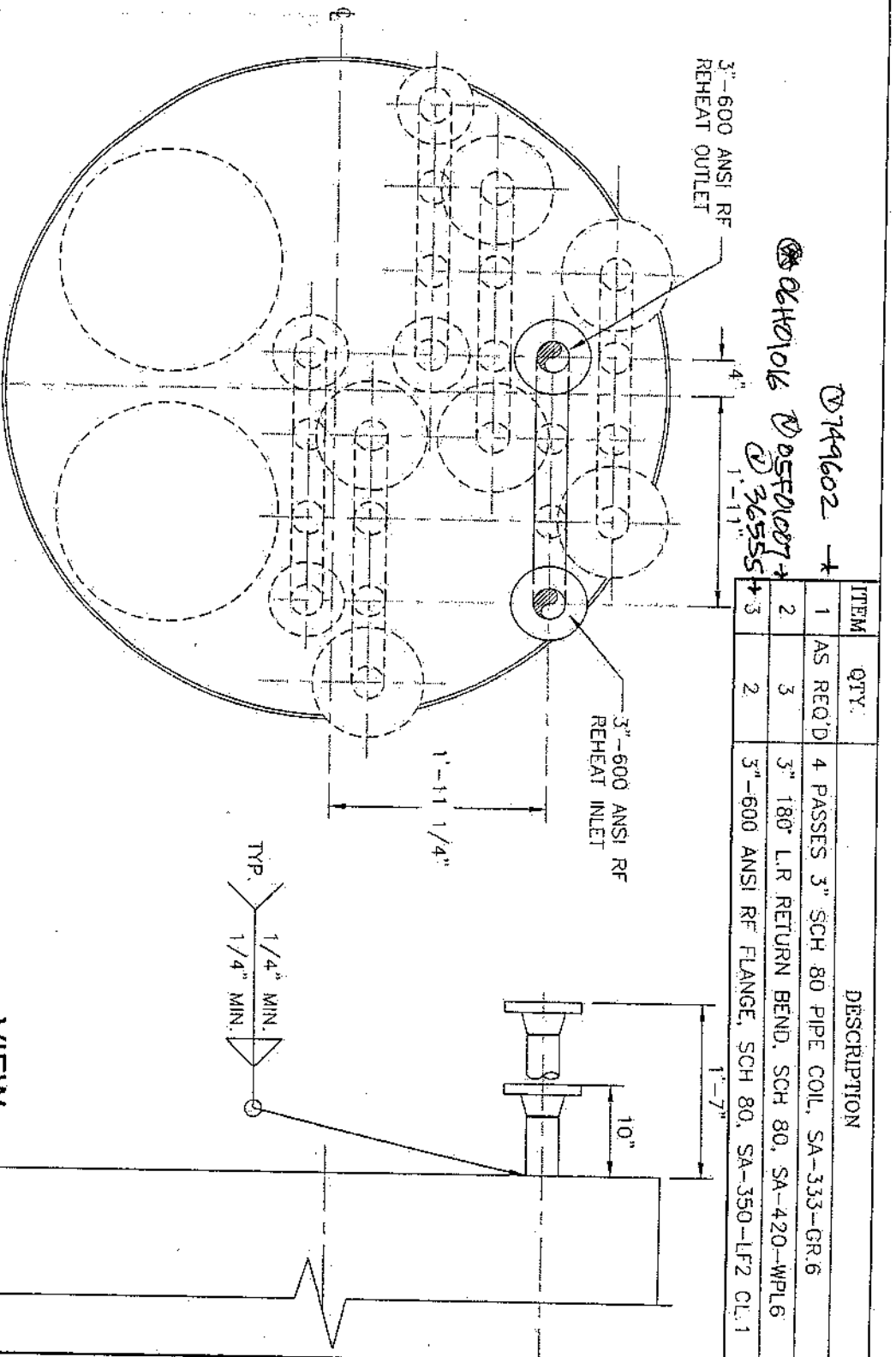
NO FCAW

INLET/OUTLET PIPE (A) = L-3+P-2D
COIL PIPE (B) = L-(6+4D)

WHERE: L = LENGTH OF LINEHEATER
P = PROJECTION
D = PIPE DIA. (NPS)

* BASED ON LATEST SHELL DESIGN (DEC.95)
Z:\Job Drawings\04-0123-01\RE-HEAT1.dwg

| No. | DATE | REVISIONS | BY | ENGINEERS RECORD | DATE |
|-----|----------|-------------------------|------|------------------------|-----------|
| 0 | 02/26/08 | PRELIMINARY | J.C. | DRAWN BY James Chen | 02/26/08 |
| | 02/28/08 | ISSUED FOR CONSTRUCTION | J.C. | CHECKED BY [Signature] | 02/28/08 |
| | | | | APPD. BY [Signature] | FEB 28/08 |



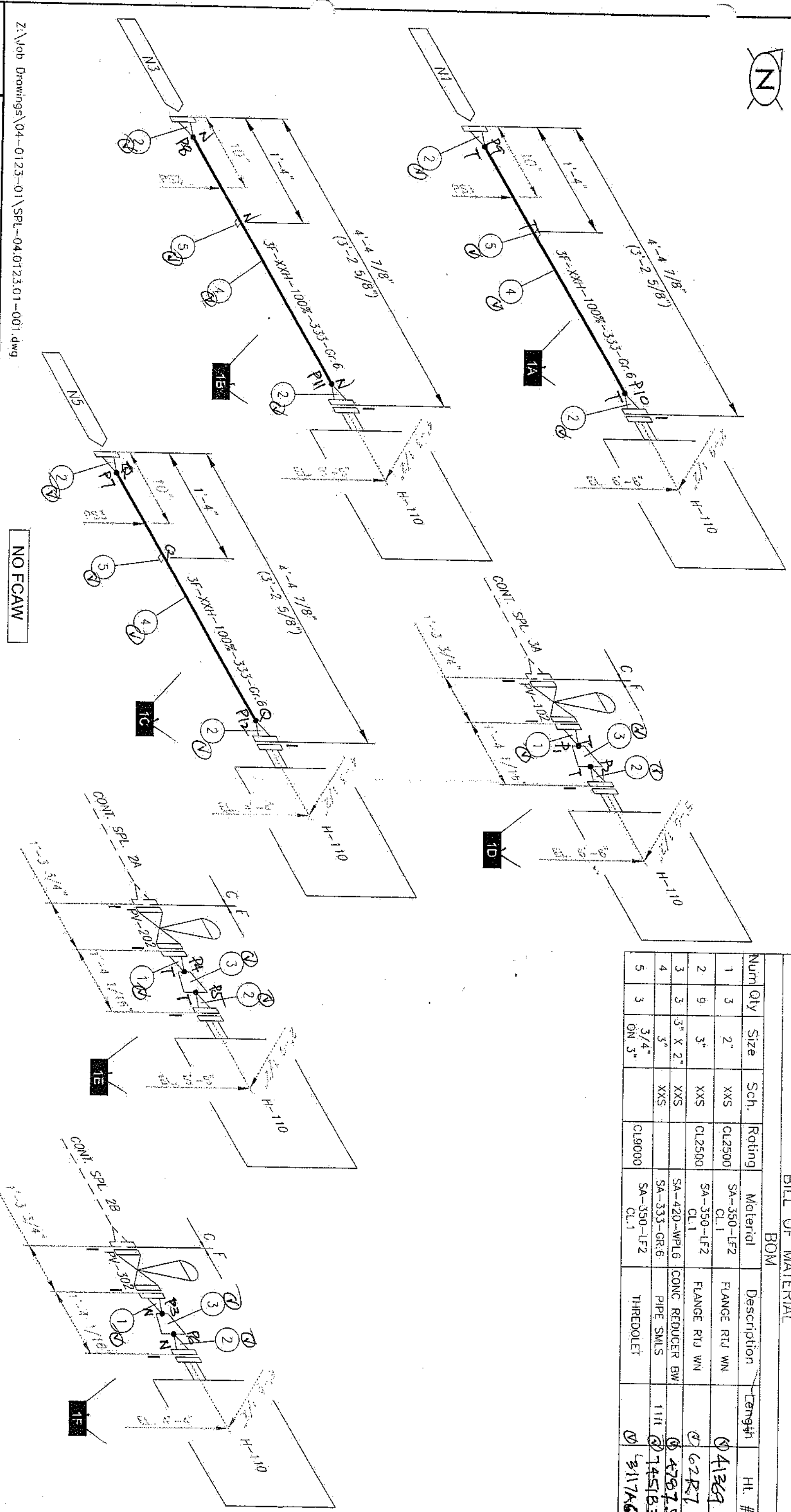
COIL ORIENTATION
LINEHTR. O.D. = 72"

DWG. RELEASE
FABRICATION COPY NO: 3 OF 5
DATE: Feb 28/08
SIGNED: [Signature]

| ITEM | QTY. | DESCRIPTION |
|------|----------|------------------------------------------------|
| 1 | AS REQ'D | 4 PASSES 3" SCH 80 PIPE COIL, SA-333-GR.6 |
| 2 | 3 | 3" 180° L.R RETURN BEND, SCH 80, SA-420-WPL6 |
| 3 | 2 | 3"-600 ANSI RF FLANGE, SCH 80, SA-350-LF2 CL.1 |

| DESIGN DATA | |
|--------------------------|-----------------------------------------------------------------------------|
| CONSTRUCTION | To be designed and constructed in accordance with ASME B31.3 Process Piping |
| Code Year | 2006 |
| MDMT | -50°F, exempt from impact testing as per PARA 323 |
| DESIGN PRESSURE | 1322 PSIG |
| DESIGN TEMPERATURE | 275 °F |
| HYDROTEST PRESS. (N & C) | 2220 PSIG |
| CORR. ALLOWANCE | 0.125 Inch |
| RADIOGRAPHY | 10% As per para. 341.4.1 (NORMAL) |
| STRESS RELIEVE | NO |
| FINAL JOINT EFF. | 100% |
| INSPECTION BY | A.B.S.A. |
| HEATING SURFACE AREA | 109.1 Sq. ft. |
| VOLUME | 5.46 Cu. ft. |
| CRN DRAWING/FILE NO. | HC-04.0057.01-002 R1 |
| SHIPPING WEIGHT | 1342 Lbs |
| CLIENT | ENCANA CORPORATION C/O SOLARIS MANAGEMENT CONSULTANTS INC. |
| PROJECT | LINE HEATER PACKAGE AREA: MAXHAMISH, LSD: b-76-k/94-0-8 |
| TITLE | 3" SCH. 80, 4 PASSES REHEAT COIL |
| SCALE | NTS |
| JOB No. | MFG-04-0123-01 |
| DWG. No. | HC-04-0123-01-004 |
| REV. | 1 |

ENSIGN
Opasco Manufacturing
P.O.# 1782



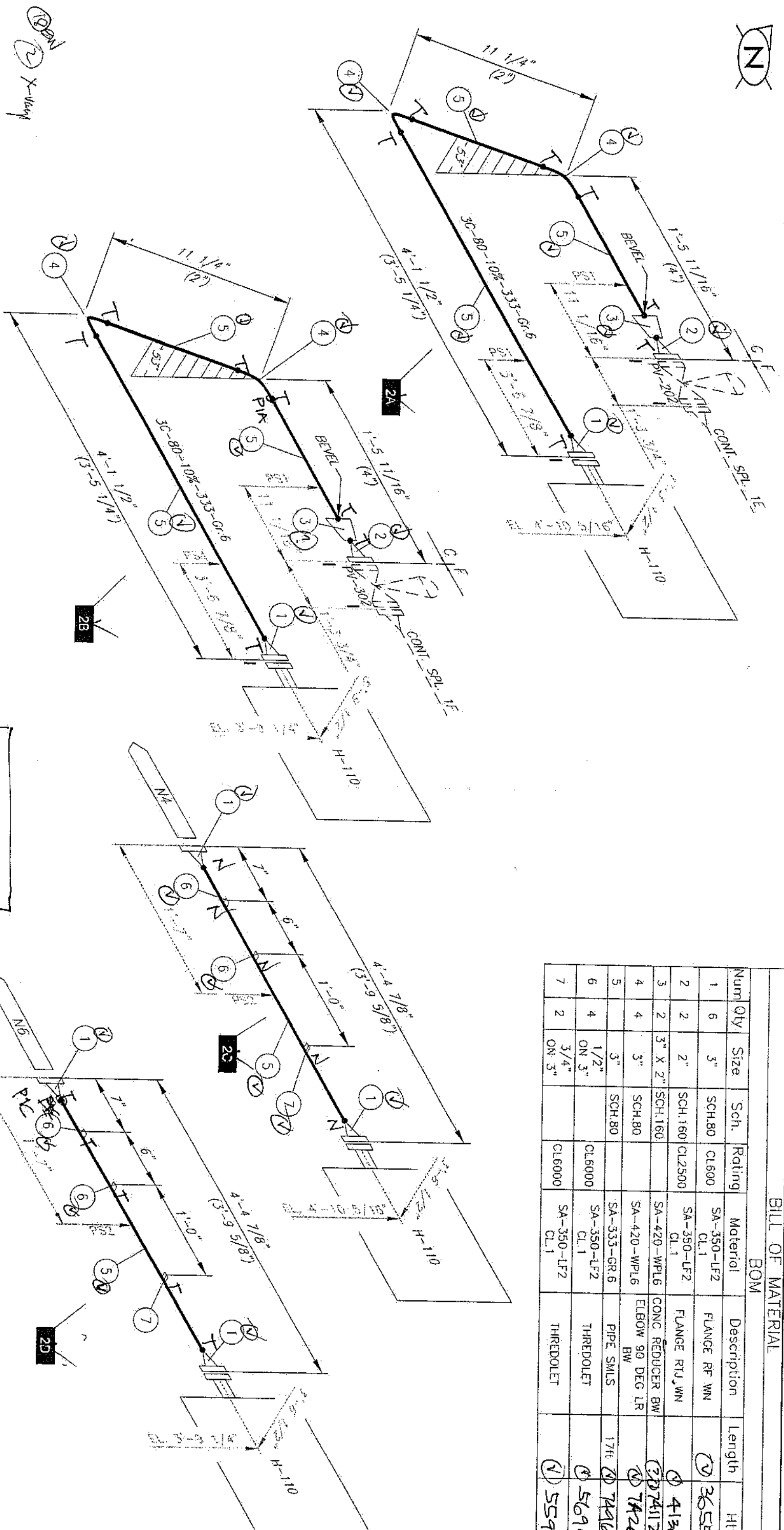
BILL OF MATERIAL

| Num Qty | Size | Sch. | Rating | Material | Description | Length | HL # |
|---------|------------|------|--------|--------------------|-----------------|--------|--------|
| 1 | 3" | XXS | CL2500 | SA-350-LF2 CL 1 | FLANGE RTJ WN | | 41369 |
| 2 | 3" | XXS | CL2500 | SA-350-LF2 CL 1 | FLANGE RTJ WN | | 62R7 |
| 3 | 3" X 2" | XXS | | SA-420-WPL6 | CONC REDUCER BW | | 478752 |
| 4 | 3" | XXS | | SA-333-GR.6 | PIPE SMLS | 1111 | 145163 |
| 5 | 3/4" ON 3" | | CL9000 | SA-350-LF2 CL 1 | THREDOLET | | 3117A6 |

Z:\Job Drawings\04-0123-01\SPL-04.0123.01-001.dwg

NO FGAW

| | | | |
|--------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| REGULAR TEMP. OPS-WP1-CVN-AW OPS-WP6-CVN-AW | | NOTES: 1. NO. OF UNITS PER JOB: ONE (1) 2. DESIGNED CONSTRUCTED IN ACCORDANCE WITH ASME B31.3, CODE YEAR: 2004. 3. MIN/MAX DESIGN TEMP: -50°F/275°F. 4. C.A.: 0.087 INCH. 5. WELD MAP: YES. 6. NDE MAP: YES. 7. HT: MAP: YES. 8. GMAW USE: ER70S-2. 9. SPOOL WEIGHT: 2000 lbs. 10. ALL ELEVATIONS REFERENCED FROM TOP OF SKID. 11. ALL TAIL DIMENSIONS REFERENCED FROM LAYOUT DATUM. | |
| LOW TEMP. SERVICE: N | | RT: 100% STRESS RELIEVED: NO MPI: N/A | |
| No. | DATE | REVISIONS | BY |
| 0 | 03/03/08 | ISSUED FOR CONSTRUCTION | J.C. |
| ENGINEERS RECORD Opso Energy Industries | | DATE: 03/01/08 DRAWN BY: James Chen CHECKED BY: M.A. APPD. BY: D.C. | |
| CLIENT ENCANA CORPORATION C/O SOLARIS MANAGEMENT CONSULTANTS INC. | | PROJECT LINE HEATER PACKAGE AREA: ETSHO LSD: b-76-k/94-0-8 | |
| TITLE 3" ANSI RTJ INLET AND OUTLET (N1, N3, N5) | | SCALE NTS | |
| JOB No. MFG04-0123-01 | | SPL-04-0123-01-001 | |
| REV. 0 | | | |



NOFCAW

REVISED -
PLS. SEE REV. 1

| BILL OF MATERIAL | | | | | | | | |
|------------------|-----|---------|---------|--------|--------------------|-----------------------|--------|---------|
| BOM | | | | | | | | |
| Num | Qty | Size | Sch. | Rating | Material | Description | Length | HT. # |
| 1 | 6 | 3" | SCH.80 | CL600 | SA-350-LF2 CL.1 | FLANGE RF WN | | 36555 |
| 2 | 2 | 2" | SCH.160 | CL2500 | SA-350-LF2 CL.1 | FLANGE RTJ WN | | 41369 |
| 3 | 2 | 3" X 2" | SCH.160 | | SA-420-WPL6 | CONC. REDUCER BW | | 7411245 |
| 4 | 4 | 3" | SCH.80 | | SA-420-WPL6 | ELBOW 90 DEG LR BW | | 742684 |
| 5 | | 3" | SCH.80 | | SA-333-GR 6 | PIPE SMLS | 17ft | 749602 |
| 6 | 4 | 1/2" | | CL6000 | SA-350-LF2 CL.1 | THREDOLET | | 56906 |
| 7 | 2 | 3/4" | ON 3" | CL6000 | SA-350-LF2 CL.1 | THREDOLET | | 55996 |

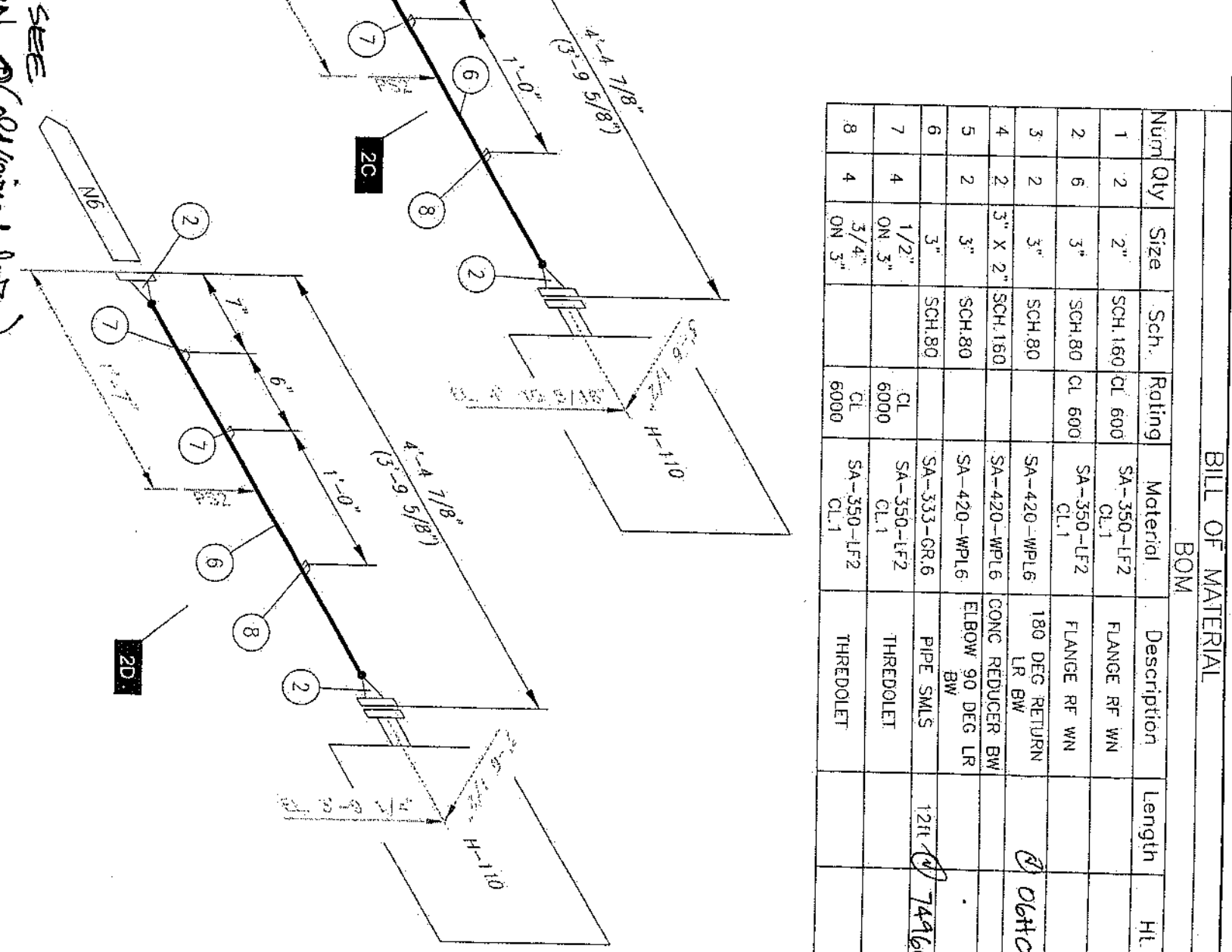
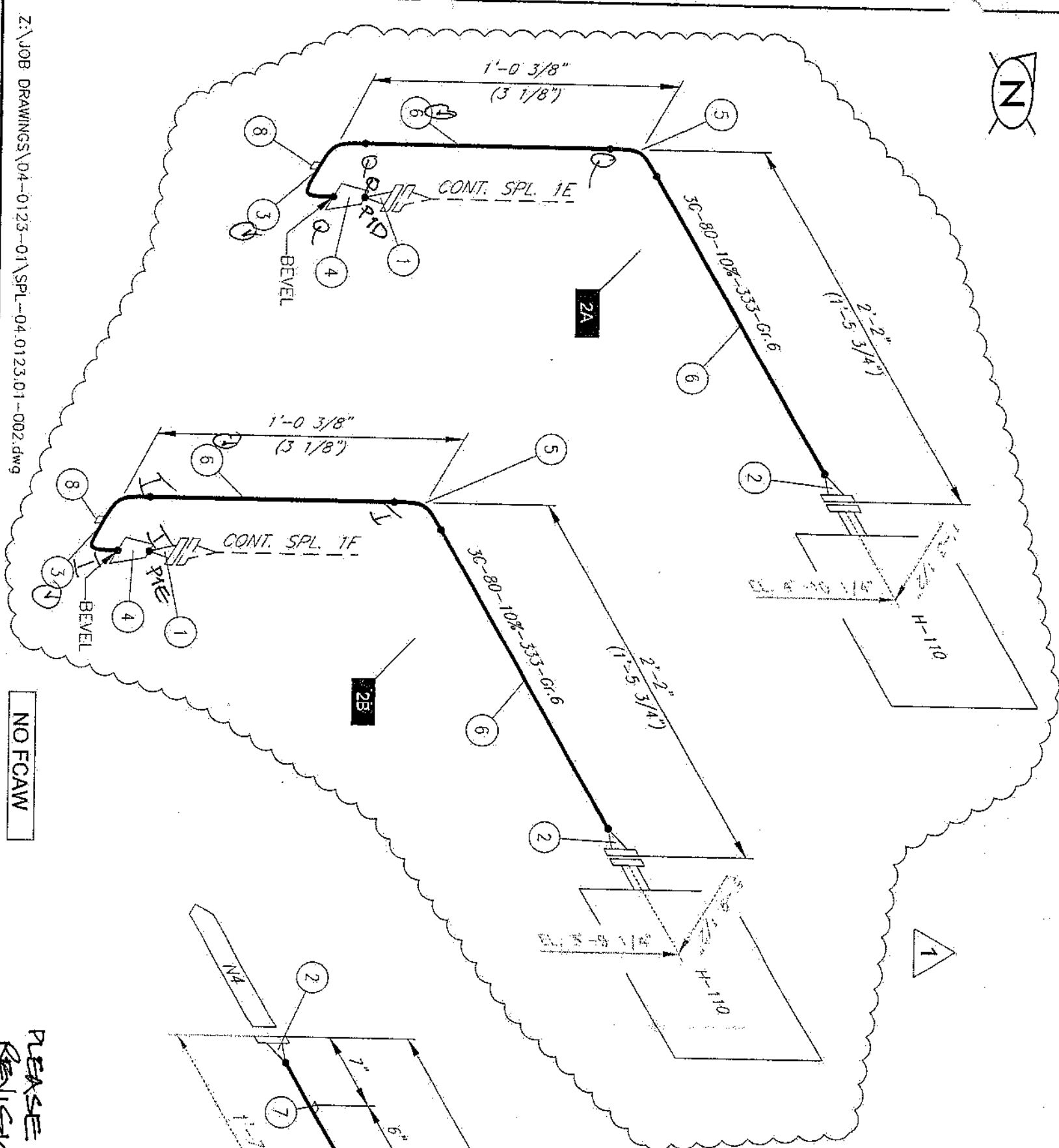
- NOTES:
1. NO. OF UNITS PER JOB: ONE (1).
 2. DESIGNED CONSTRUCTED IN ACCORDANCE WITH ASME B31.3.
 3. CODE YEAR: 2004.
 4. MIN./MAX. DESIGN TEMP: -50F/275F.
 5. C.A.: 0.125 INCH.
 6. WELD MAP: YES.
 7. NDE MAP: YES.
 8. HT. MAP: YES.
 9. GMAW USE ER70S-2.
 10. SPOOL WEIGHT 420 lbs.
 11. ALL ELEVATIONS REFERENCED FROM TOP OF SKID.
 12. ALL TAIL DIMENSIONS REFERENCED FROM LAYOUT DATUM.

| | |
|---------------------|----------------|
| REGULAR TEMP. | OPS-WP1-CVN-AW |
| LOW TEMP. | OPS-WP6-CVN-AW |
| RT: 10% | SERVICE: N |
| STRESS RELIEVED: NO | |
| MPI: N/A | |

| No. | DATE | REVISIONS | BY |
|-----|----------|-------------------------|------|
| 0 | 03/03/08 | ISSUED FOR CONSTRUCTION | J.C. |

| ENGINEERS RECORD | DATE |
|----------------------|----------|
| DRAWN BY: James Chen | 03/01/08 |
| CHECKED BY: M.A. | 03/03/08 |
| APPD. BY: D.C. | 03/03/08 |

| | |
|---------|---------------------------------------------------------------|
| CLIENT | ENCANA CORPORATION C/O SOLARIS MANAGEMENT CONSULTANTS INC. |
| PROJECT | LINE HEATER PACKAGE AREA: ETSHO LSD: b-76-k/94-0-8 |
| TITLE | 3" 600 ANSI RF INLET AND OUTLET (N4, N6) |
| SCALE | NTS |
| JOB No. | MFG04-0123-01 |
| REV. | 0 |



NO FCAM

PLEASE SEE REVISION @ Revised July.

BILL OF MATERIAL

| Num | Qty | Size | Sch. | Rating | Material | Description | Length | HL # |
|-----|-----|------------|---------|---------|-----------------|----------------------|--------|---------|
| 1 | 2 | 2" | SCH.160 | CL 600 | SA-350-LF2 CL.1 | FLANGE RF WN | | |
| 2 | 6 | 3" | SCH.80 | CL 600 | SA-350-LF2 CL.1 | FLANGE RF WN | | |
| 3 | 2 | 3" | SCH.80 | | SA-420-WPL6 | 180 DEG RETURN LR BW | | 0610106 |
| 4 | 2 | 3" X 2" | SCH.160 | | SA-420-WPL6 | CONC REDUCER BW | | |
| 5 | 2 | 3" | SCH.80 | | SA-420-WPL6 | ELBOW 90 DEG LR BW | | |
| 6 | | 3" | SCH.80 | | SA-333-GR.6 | PIPE SMLS | 12ft | 744602 |
| 7 | 4 | 1/2" ON 3" | | CL 6000 | SA-350-LF2 CL.1 | THREDOLET | | |
| 8 | 4 | 3/4" ON 3" | | CL 6000 | SA-350-LF2 CL.1 | THREDOLET | | |

Z:\JOB DRAWINGS\04-0123-01\SPL-04.0123.01-002.dwg

REGULAR TEMP.

LOW TEMP.

RT: 10%
STRESS RELIEVED: NO
MPI: N/A

SERVICE: N

OPS-WP1-CVN-AW
OPS-WP6-CVN-AW

NOTES:
1. NO. OF UNITS PER JOB: ONE (1).
2. DESIGNED CONSTRUCTED IN ACCORDANCE WITH ASME B31.3.
3. MIN./MAX. DESIGN TEMP: -50F./275F.
4. C.A.: 0.125 INCH.
5. WELD MAP: YES.
6. NDE MAP: YES.
7. HT. MAP: YES.
8. GMAW USE ER70S-2.
9. SPOOL WEIGHT 420 lbs.
10. ALL ELEVATIONS REFERENCED FROM TOP OF SKID.
11. ALL TAIL DIMENSIONS REFERENCED FROM LAYOUT DATUM.

| No. | DATE | REVISIONS | BY |
|-----|----------|-------------------------|------|
| 0 | 03/03/08 | ISSUED FOR CONSTRUCTION | J.C. |
| 1 | 03/28/08 | REVISED CHOKE VALVES | J.C. |

ENSIGN
Opasco Energy Industries

ENGINEERS RECORD

| DATE | DATE |
|----------|------|
| 03/01/08 | |
| 03/03/08 | |
| 03/03/08 | |

CLIENT: ENCANA CORPORATION
C/O SOLARIS MANAGEMENT CONSULTANTS INC.

PROJECT: LINE HEATER PACKAGE
AREA: ETSHO
LSD: b-76-k/94-0-8

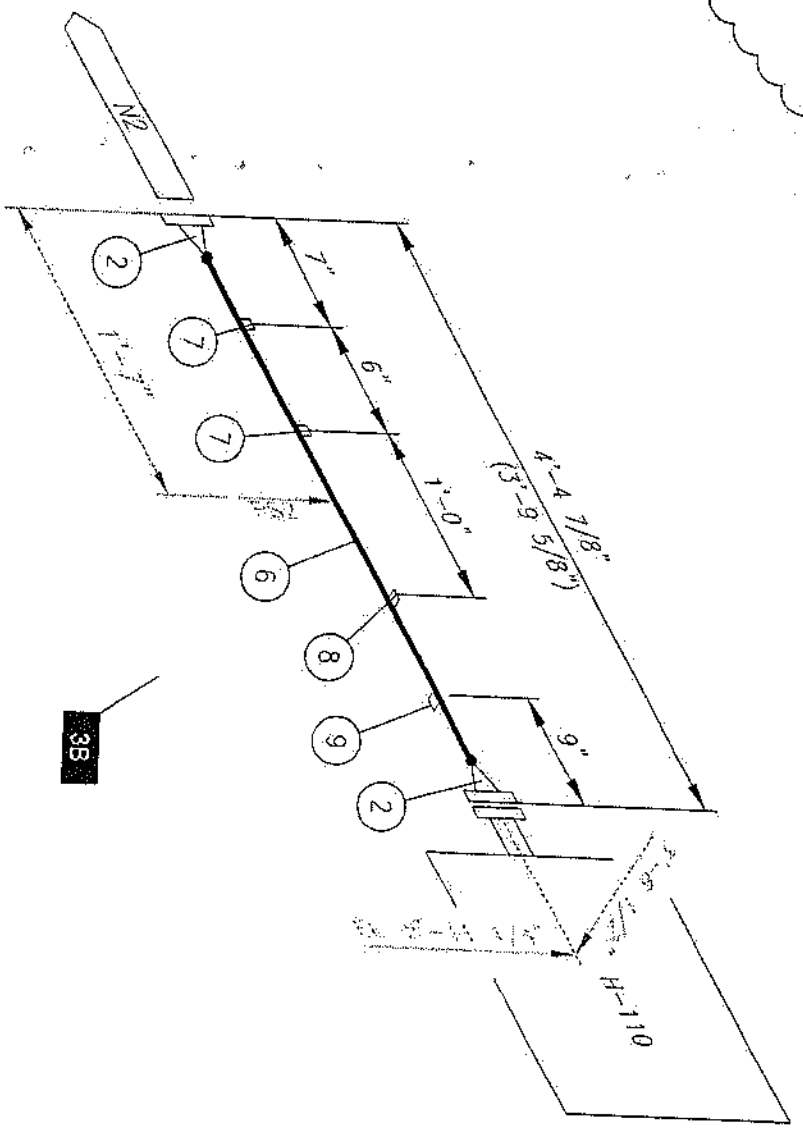
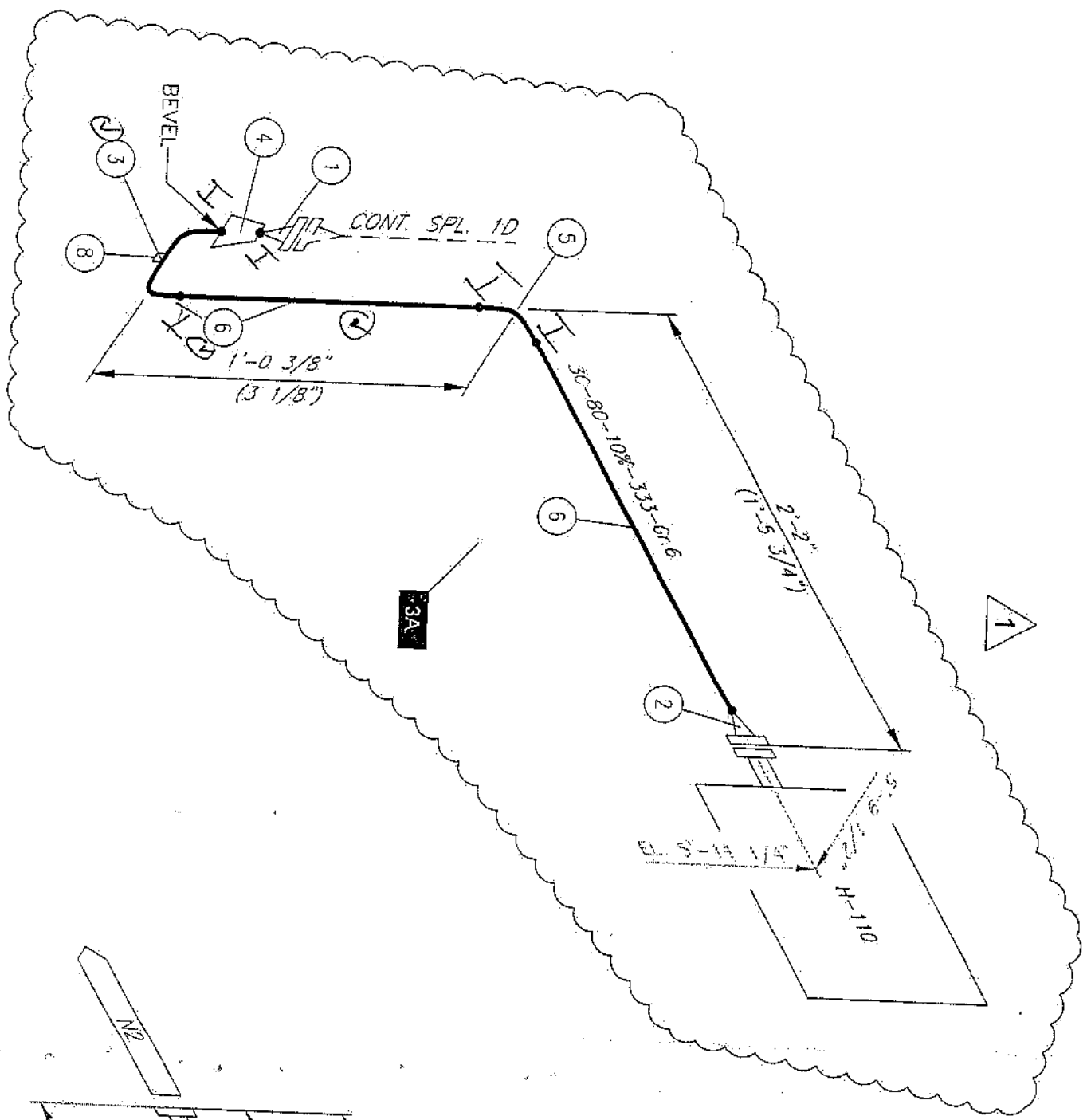
TITLE: 3" 600 ANSI RF INLET AND OUTLET (N4, N6)

SCALE: NTS

JOB No. MFG04-0123-01

SPL-04-0123-01-002

REV: 1



| BILL OF MATERIAL | | | | | | | | | |
|------------------|-----|-------------|---------|---------|--------------------|-------------------------|--------|-------|--------|
| BOM | | | | | | | | | |
| Num | Qty | Size | Sch. | Rating | Material | Description | Length | Ht. # | |
| 1 | 1 | 2" | SCH.160 | CL 600 | SA-350-LF2 CL.1 | FLANGE RF WN | | | |
| 2 | 3 | 3" | SCH.80 | CL 600 | SA-350-LF2 CL.1 | FLANGE RF WN | | | |
| 3 | 1 | 3" | SCH.80 | | SA-420-WPL6 | 180 DEG RETURN LR BW | | | 061016 |
| 4 | 1 | 3" X 2" | SCH.160 | | SA-420-WPL6 | CONC. REDUCER BW | | | |
| 5 | 1 | 3" | SCH.80 | | SA-420-WPL6 | ELBOW 90 DEG LR BW | | | |
| 6 | | 3" | SCH.80 | | SA-333-GR.6 | PIPE SMLS | 6ft | | 149602 |
| 7 | 2 | 1/2" | | CL 6000 | SA-350-LF2 CL.1 | THREDOLET | | | |
| 8 | 2 | 3/4" | | CL 6000 | SA-350-LF2 CL.1 | THREDOLET | | | |
| 9 | 1 | 1" ON 3" | | CL 6000 | SA-350-LF2 CL.1 | THREDOLET | | | |

PLS. SEE REVISED/DWD DWG.

Z:\Job Drawings\04-0123-01\SPL-04.0123.01-003.dwg

NO FCAM

| | |
|---------------------|----------------|
| REGULAR TEMP. | OPS-WP1-CVN-AW |
| LOW TEMP. | OPS-WP6-CVN-AW |
| RT: 10% | SERVICE: N |
| STRESS RELIEVED: NO | |
| MPI: N/A | |

- NOTES:
1. NO. OF UNITS PER JOB: ONE (1)
 2. DESIGNED/CONSTRUCTED IN ACCORDANCE WITH ASME B31.3, CODE YEAR: 2004.
 3. MIN./MAX. DESIGN TEMP: -50°F/275°F.
 4. C.A.: 0.125 INCH.
 5. WELD MAP: YES.
 6. NDE MAP: YES.
 7. HT. MAP: YES.
 8. GMAW USE ER70S-2.
 9. SPOOL WEIGHT 210 lbs.
 10. ALL ELEVATIONS REFERENCED FROM TOP OF SKID.
 11. ALL TAIL DIMENSIONS REFERENCED FROM LAYOUT DATUM.

| No. | DATE | REVISIONS | BY |
|-----|----------|-------------------------|------|
| 0 | 03/03/08 | ISSUED FOR CONSTRUCTION | J.C. |
| 1 | 03/28/08 | REVISED CHOKE VALVES | J.C. |

| | |
|-------------------------------------------|----------|
| ENSIGN Opseco Energy Industries | |
| ENGINEERS RECORD | DATE |
| DRAWN BY: James Chen | 03/01/08 |
| CHECKED BY: M.A. | 03/03/08 |
| APPD. BY: D.C. | 03/03/08 |

| | |
|---------|------------------------------------------|
| CLIENT | ENCANA CORPORATION |
| PROJECT | C/O SOLARIS MANAGEMENT CONSULTANTS, INC. |
| TITLE | LINE HEATER PACKAGE |
| SCALE | 3" 600 ANSI RF INLET AND OUTLET (N2) |
| JOB No. | MFG04-0123-01 |
| REV. | |