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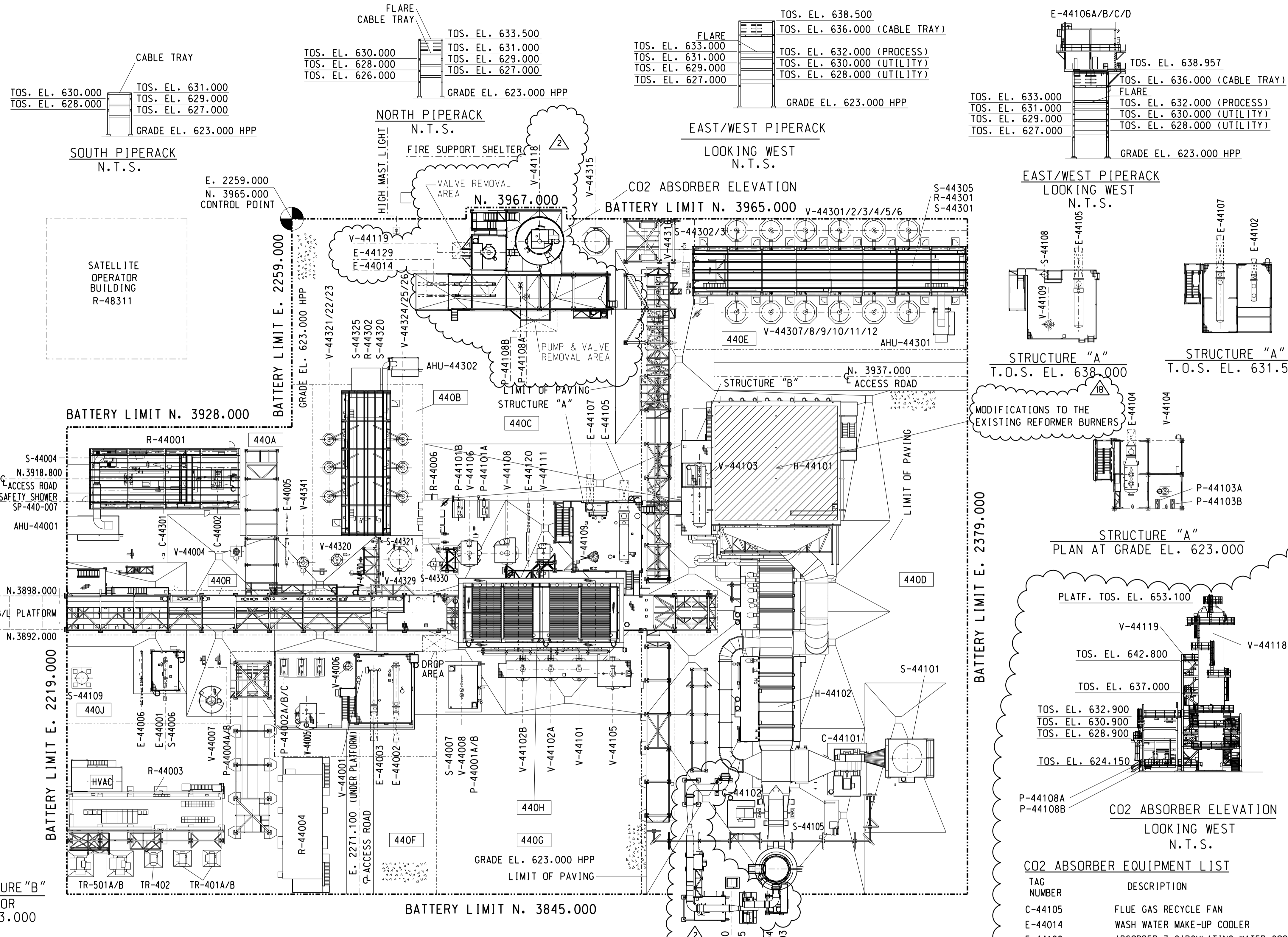
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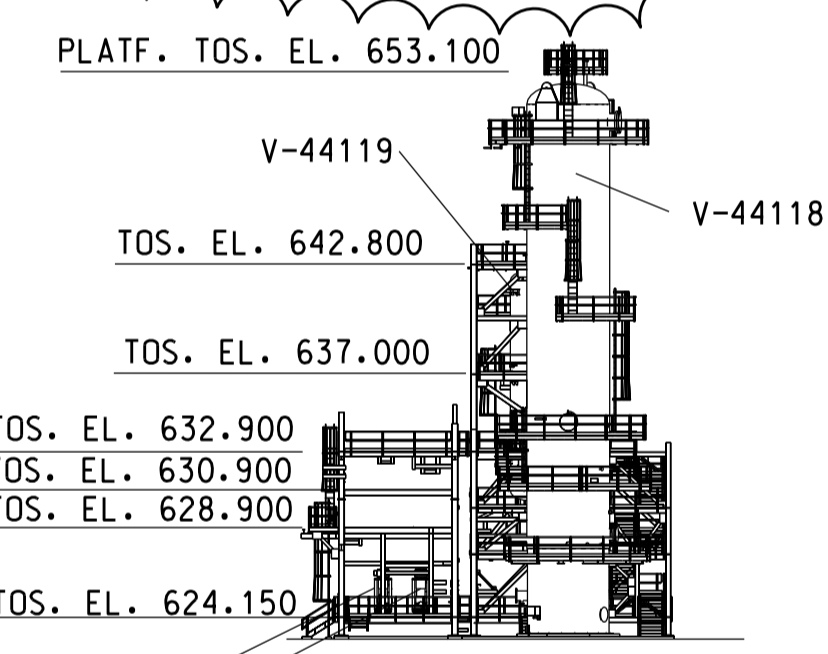


STEAM REFORMER STRUCTURE "B"
BY EQUIPMENT VENDOR
PLAN AT GRADE EL. 623.000

STRUCTURE "A"
T.O.S. EL. 638.000

STRUCTURE "A"
T.O.S. EL. 631.500

STRUCTURE "A"
PLAN AT GRADE EL. 623.000



CO2 ABSORBER ELEVATION
LOOKING WEST
N.T.S.

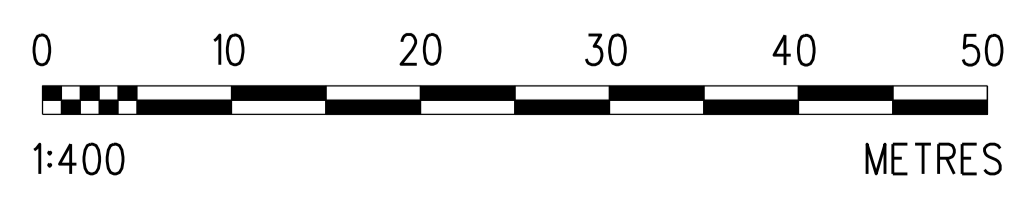
CO2 ABSORBER EQUIPMENT LIST

| TAG NUMBER | DESCRIPTION |
|------------|---|
| C-44105 | FLUE GAS RECYCLE FAN |
| E-44014 | WASH WATER MAKE-UP COOLER |
| E-44129 | ABSORBER 3 CIRCULATING WATER COOLER |
| S-44110 | LUBE OIL SKID |
| P-44108A/B | ABSORBER 3 CIRCULATING WATER WASH PUMPS |
| V-44118 | AMINE ABSORBER 3 |
| V-44119 | ABSORBER 3 WASH WATER VESSEL |

BUILDING/STRUCTURE LIST

| STRUCTURE | DESCRIPTION |
|-----------|------------------------------|
| A | PROCESS CONDENSATE STRUCTURE |
| B | STEAM DRUM PLATFORM (UDHE) |
| BUILDING | |
| R-44001 | COMPRESSOR BUILDING |
| R-44003 | MCC BUILDING |
| R-44004 | I/O FAR BUILDING |
| R-44006 | UNIT ANALYZER BUILDING |
| R-44301 | HMU-PSA BUILDING |
| R-44302 | HC-PSA BUILDING |

* : NOT SHOWN FOR CLARITY



EQUIPMENT LIST

| TAG NUMBER | DESCRIPTION |
|----------------|------------------------------------|
| C-44002 | NITROGEN RECYCLE COMPRESSOR |
| C-44101 | FORCED DRAFT COMBUSTION AIR FAN |
| C-44102 | INDUCED DRAFT FLUE GAS FAN |
| C-44301 | PSA TAIL GAS COMPRESSOR |
| E-44001 | NATURAL GAS PREHEATER |
| E-44002 | TEMPERED WATER HEATER |
| E-44003 | TEMPERED WATER COOLER |
| E-44005 | NITROGEN RECYCLE COMPRESSOR COOLER |
| E-44006 | RECOVERED CONDENSATE COOLER |
| E-44101 | PROCESS GAS COOLER |
| E-44102 | PROCESS CONDENSATE PREHEATER |
| E-44104 | PROCESS CONDENSATE EVAPORATOR |
| E-44105 | BFW PREHEATER |
| E-44106A/B/C/D | AIR COOLER |
| E-44107 | FINAL COOLER |
| E-44120 | BLOWDOWN COOLER |

EQUIPMENT LIST

| TAG NUMBER | DESCRIPTION |
|--------------|-----------------------------------|
| H-44101 | STEAM REFORMER |
| H-44102 | CONVECTION BANK |
| P-44001A/B | OILY WATER SUMP PUMP |
| P-44002A/B/C | TEMPERED WATER CIRCULATION PUMP |
| P-44004A/B | STEAM CONDENSATE DRUM PUMP |
| P-44101A/B | PROCESS CONDENSATE PUMP |
| P-44103A/B | STEAM DRUM BLOWDOWN PUMP |
| S-44004 | PHOSPHATE DOSING STATION |
| S-44006 | E-44001 CONDENSATE LIFTER |
| S-44007 | OILY WATER SUMP |
| S-44101 | COMBUSTION AIR SILENCER |
| S-44103 | STACK |
| S-44104 | FLUE GAS SILENCER |
| S-44105 | COMMON OIL SYSTEM FOR C-44101/102 |
| S-44108 | PROCESS STEAM SILENCER |
| S-44109 | EXPORT STEAM SILENCER |
| *X-44107 | EMISSIONS EQUIPMENT HOIST |

EQUIPMENT LIST

| TAG NUMBER | DESCRIPTION |
|---------------|---------------------------------------|
| S-44301 | HMU-PSA UNIT |
| S-44302/3 | HMU PSA SILENCER 1 & 2 |
| S-44305 | HMU-PSA VALVE SKID |
| S-44320 | HC-PSA UNIT |
| S-44321 | HC-PSA SILENCER |
| S-44325 | HC-PSA VALVE SKID |
| S-44330 | OIL MIST GENERATOR |
| *X-44331 | COMPR. BRIDGE CRANE |
| *X-44332 | HMU-PSA BRIDGE CRANE |
| *X-44333 | HC-PSA BRIDGE CRANE |
| TR-401A/B&402 | TRANSFORMER |
| TR-501A/B | TRANSFORMER |
| V-44001 | TEMPERED WATER FILTER |
| V-44004 | NITROGEN RECYCLE COMPRESSOR K.O. DRUM |
| V-44005 | TEMPERED WATER SURGE DRUM |
| V-44006 | TEMPERED WATER HEATER CONDENSATE POT |
| V-44007 | STEAM CONDENSATE DRUM |
| V-44008 | OILY WATER SUMP DRUM |
| V-44101 | HYDROGENATION REACTOR |

EQUIPMENT LIST

| TAG NUMBER | DESCRIPTION |
|---------------|---|
| V-44102A/B | DESULFURIZATION REACTOR |
| V-44103 | STEAM DRUM |
| V-44104 | STEAM DRUM BLOWDOWN DRUM |
| V-44105 | HT SHIFT CONVERTER |
| V-44106 | PROCESS CONDENSATE SEPARATOR |
| V-44108 | HOT PROCESS CONDENSATE SEPARATOR |
| V-44109 | PROCESS STEAM SEPARATOR |
| V-44111 | PROCESS STEAM BLOWDOWN DRUM |
| V-44301-44312 | HMU-PSA ADSORBER |
| V-44315 | HMU-PSA OFF GAS DRUM |
| V-44316 | HMU-PSA HYDROGEN PRODUCT FILTER |
| V-44320 | HC-PSA K.O. DRUM |
| V-44321-44326 | HC-PSA ADSORBER |
| V-44329 | HC-PSA TAIL GAS DRUM |
| V-44330 | HC-PSA HYDROGEN PRODUCT FILTER |
| V-44341 | PSA TAIL GAS COMPRESSOR SUCTION K.O. DRUM |
| SP-440-007 | SAFETY SHOWER |

- NOTES:**
- THE HIGH POINT OF PAVING (HPP) ELEVATION IS 623.000.
 - DELETED
 - ALL COORDINATES & ELEVATION ARE IN METERS.
 - FLOOR RESPONSIBILITY IS LIMITED TO CLOUDED AREAS ONLY.

WORKING COPY OF MASTER DRAWING ASBUILT INFORMATION REQUIRED FOR MOC 11457 PROJECT USE ONLY

| REV | ISSUED DATE | DESCRIPTION | DWN | CHKD | ENG | APP | APP | CLNT | |
|-----|-------------|-------------------------------|-----|------|-----|-----|-----|------|-----|
| 2 | 2013/02/20 | ISSUED FOR CONSTRUCTION | | JJ | DAW | BH | EM | N/A | SPP |
| 1A | 2011/08/25 | ISSUED FOR DESIGN (MOC 11457) | | SS | VM | VM | DAW | EM | SPP |

LEGEND:

| | |
|----------|-------------------------------------|
| 440A | ENGINEERING DESIGN AREA DESIGNATION |
| [Symbol] | GRAVEL |
| [Symbol] | STAIRS |

REFERENCE DRAWINGS

| DRAWING NUMBER | TITLE |
|----------------------|---|
| 400.0000.000.044.001 | SITE PLAN AOSP-DOWNSTREAM EXPANSION PROJECT |

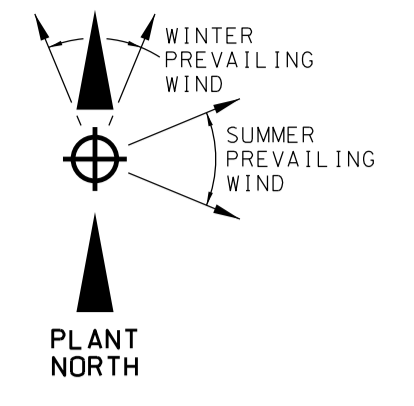
| REV | ISSUED DATE | DESCRIPTION | DWN | CHKD | ENG | APP | APP | CLNT |
|-----|-------------|----------------------------|-----|------|-----|-----|-----|------|
| 1 | 2008/05/01 | RE-ISSUED FOR CONSTRUCTION | | CC | CBH | KDM | DM | NN |
| 0 | 2007/07/30 | ISSUED FOR DESIGN | | NY | RR | KDM | DM | HV |

ISSUED FOR CONSTRUCTION
05 Mar 2013

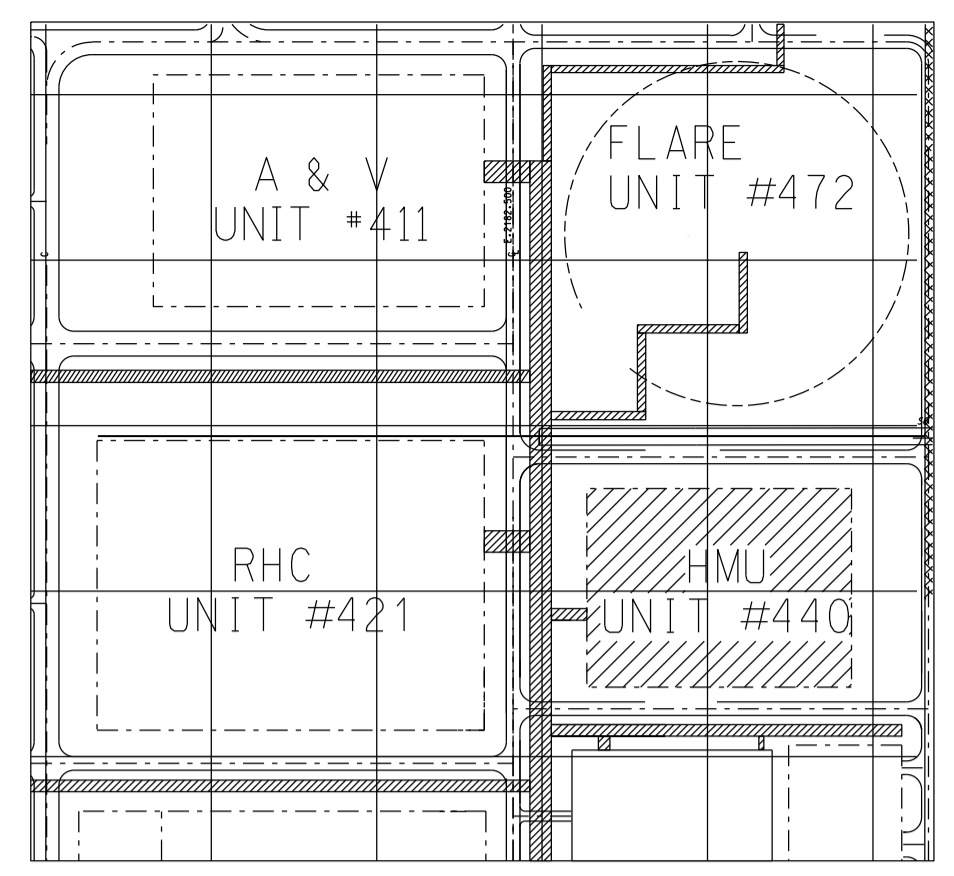
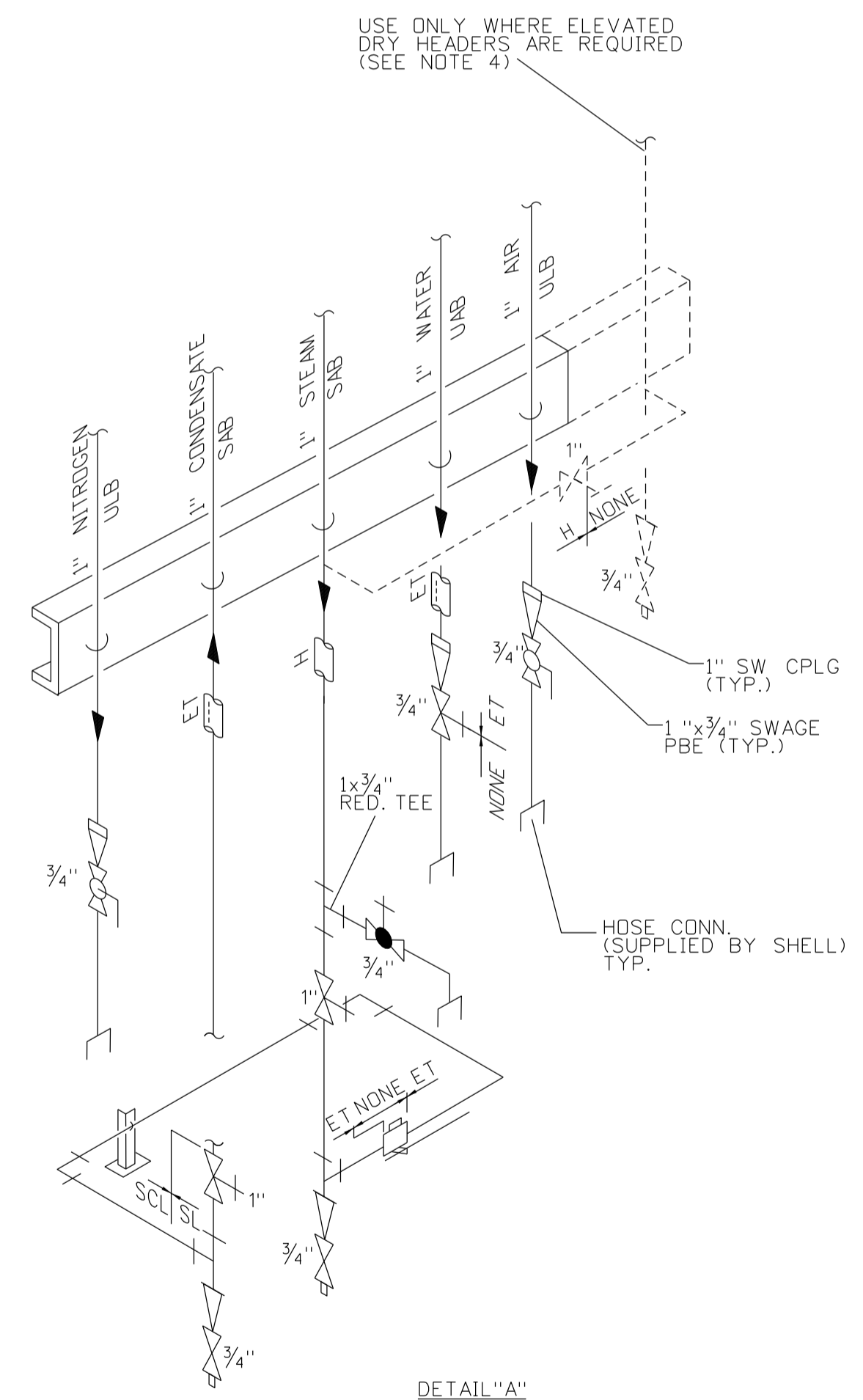
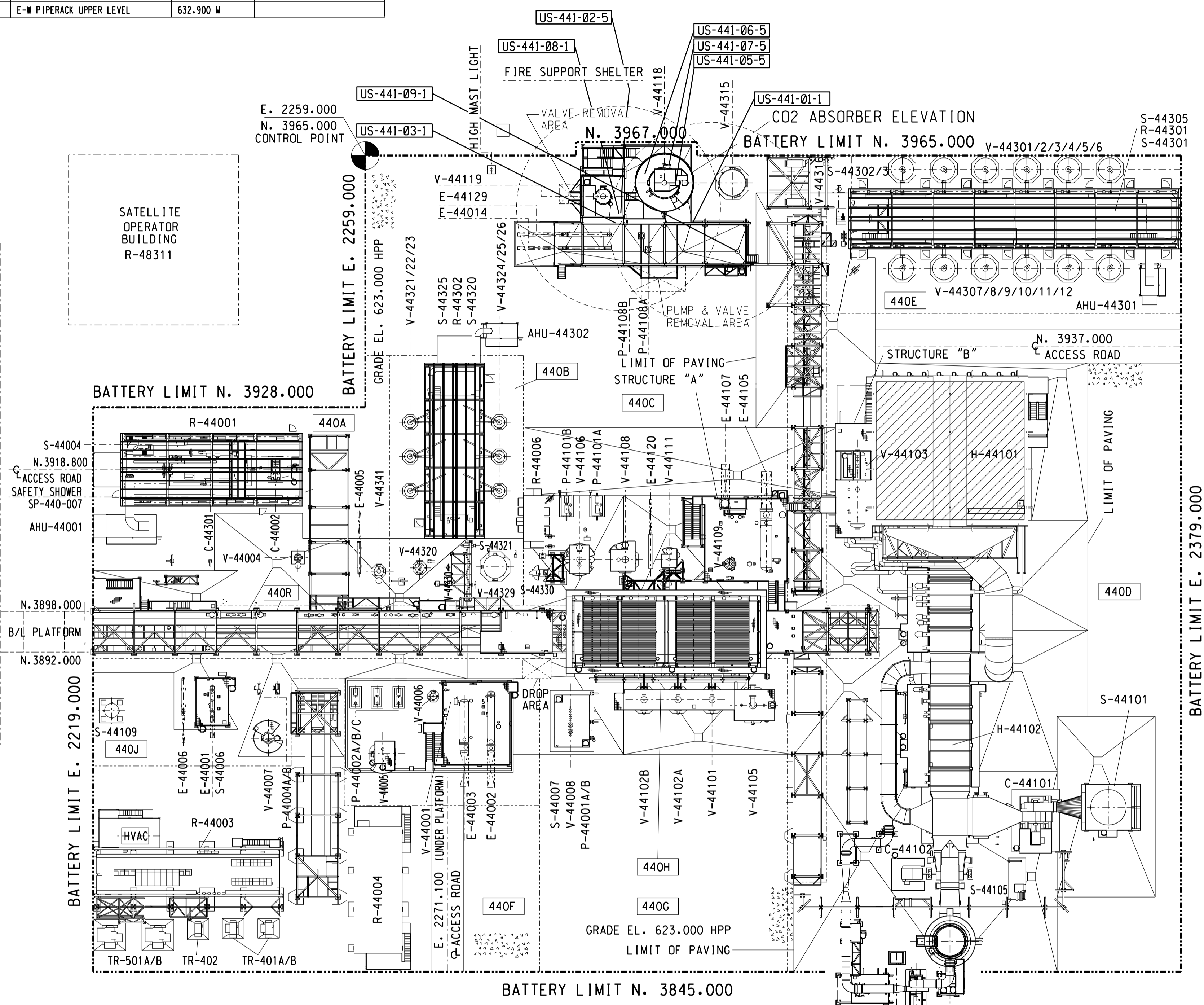
SHELL CANADA ENERGY
SCOTFORD UPGRADER EXPANSION 1

PLOT PLAN
HYDROGEN MANUFACTURING
UNIT 440, 441 & 443

SCALE: 1:400
SHELL DWG. NO.: 440.0000.000.044.001



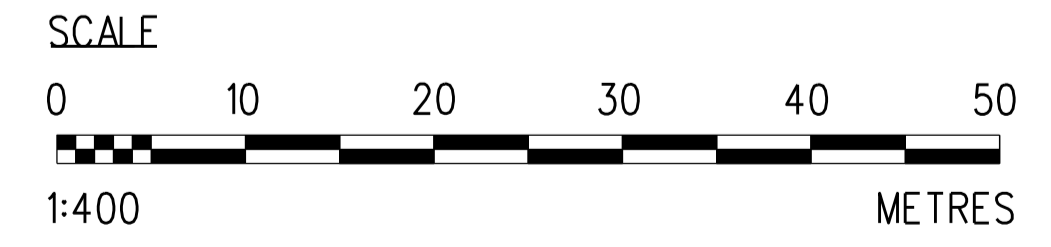
| UTILITY STATION | | | |
|-----------------|-----------------------------|-----------|---------|
| UTILITY STATION | LOCATION | ELEVATION | REMARKS |
| US-441-01-1 | E-W PIPERACK LOWER LEVEL | 624.150 M | |
| US-441-02-5 | WASH WATER VESSEL (V-44119) | 629.925 M | MANWAY |
| US-441-03-1 | E-W PIPERACK UPPER LEVEL | 632.900 M | |
| US-441-05-5 | ABSORBER (V-44118) | 649.400 M | MANWAY |
| US-441-06-5 | ABSORBER (V-44118) | 633.750 M | MANWAY |
| US-441-07-5 | ABSORBER (V-44118) | 627.350 M | MANWAY |
| US-441-08-1 | WASH WATER VESSEL (V-44119) | 624.150 M | |
| US-441-09-1 | E-W PIPERACK UPPER LEVEL | 632.900 M | |



- NOTES:**
- THE HIGH POINT OF PAVING (HPP) ELEVATION IS 623.000 M.
 - ALL COORDINATES AND ELEVATIONS ARE IN METERS.
 - UTILITY STATIONS AT GRADE ARE LOCATED BASED ON 15M HOSE LENGTH.
 - FOR ELEVATED STEAM USE DRY RISER FROM NEAREST STATION AT GRADE. SEE DETAIL 'A'.

- LEGEND:**
- US-XXX-XX-X
- STATION TYPE
 - STATION SEQUENTIAL NUMBER
 - UNIT NUMBER
 - UTILITY STATION
 - S - LP STEAM
 - W - UTILITY WATER
 - A - UTILITY AIR
 - N - NITROGEN
 - C - CONDENSATE

| UTILITY STATION LEGEND | | | | | | |
|------------------------|---|---|---|---|---|----------|
| TYPE | N | C | S | W | A | QUANTITY |
| 1 | X | X | X | X | X | 4 |
| 2 | | X | X | X | X | |
| 3 | | | | X | X | |
| 4 | | | | | X | |
| 5 | | | X | | X | 4 |
| 6 | X | | | | X | |
| 7 | | | X | | | |
| 8 | X | X | X | | X | |
| 9 | X | | | X | X | |
| TOTAL | | | | | | 8 |



ISSUED FOR CONSTRUCTION
20 Mar 2013

| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS | PERMIT STAMP | ENGINEER STAMP |
|-----|----------|----------|-------------------------|--------|------|-------|--------|---|--------------|----------------|
| 1 | 13/03/15 | PS | ISSUED FOR CONSTRUCTION | VM | BH | N/A | N/A | 440.0000.000.044.001 PLOT PLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 | | |

| | | |
|------------------------|--|---------------------------------|
| DATE 13/03/15 | <p>SHELL CANADA QUEST CCS PROJECT</p> | <p>FLUOR CONTRACT: 4621</p> |
| DRAWN KG | | |
| CHECKED VM | <p>HYDROGEN MANUFACTURING UNIT CO2 CAPTURE SCOPE HMU 3 UTILITY STATION LOCATION PLAN</p> | |
| LEAD BH | | |
| APPROVED N/A | | |
| CLIENT APPROVED N/A | | |
| SCALE 1:400 | SHELL DRAWING NUMBER 440.0311.000.050.042 | REV. 1 |

MATCH LINE CONT. DWG. NO
N 3955.600
440.0311.000.050.046

DRAWING LIMIT E 2286.700

DRAWING LIMIT N 3946.800

MATCHLINE N 3955.600
CONT. DWG. NO
440.0311.000.050.046

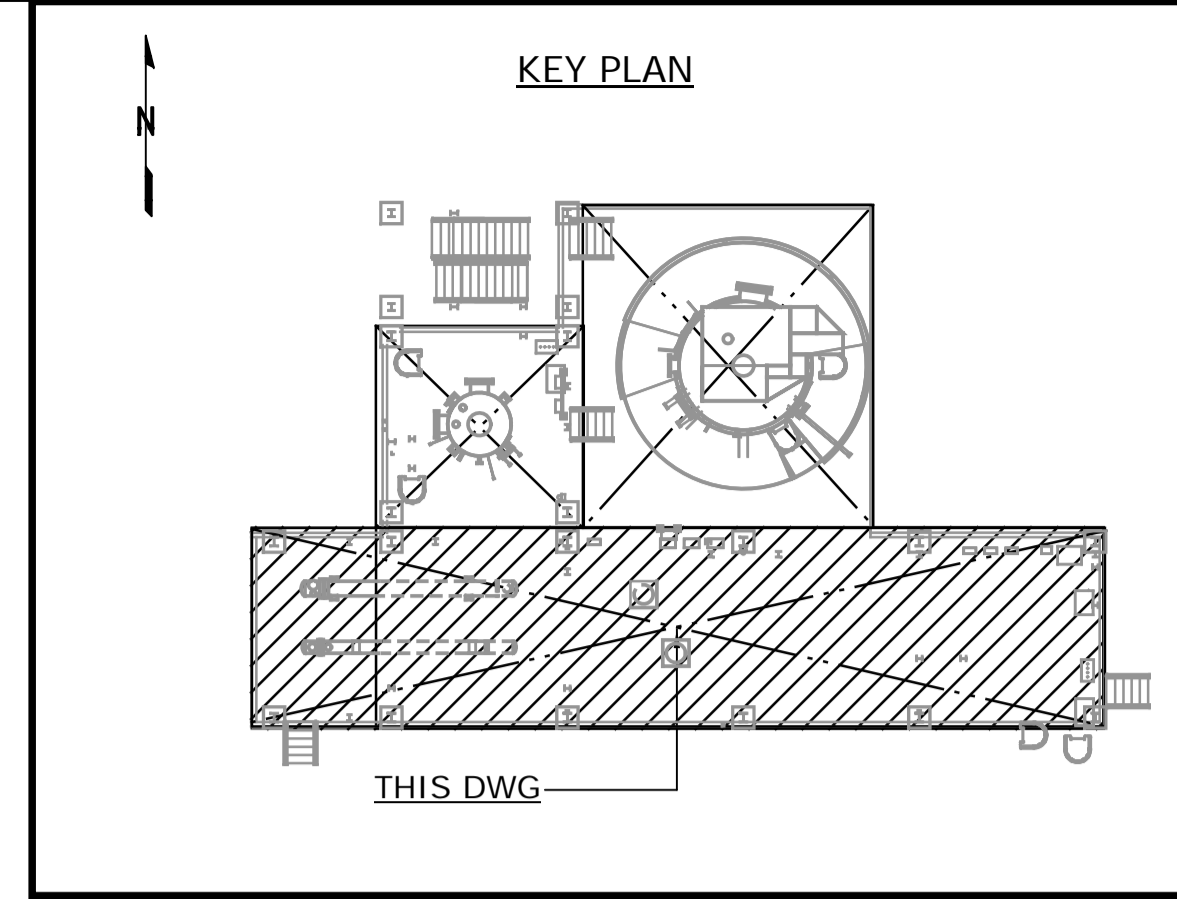
DRAWING LIMIT E 2286.700

DRAWING LIMIT N 3946.800
LOWER LEVEL
FROM EL. 623.000 TO 628.000
SCALE: 1:50

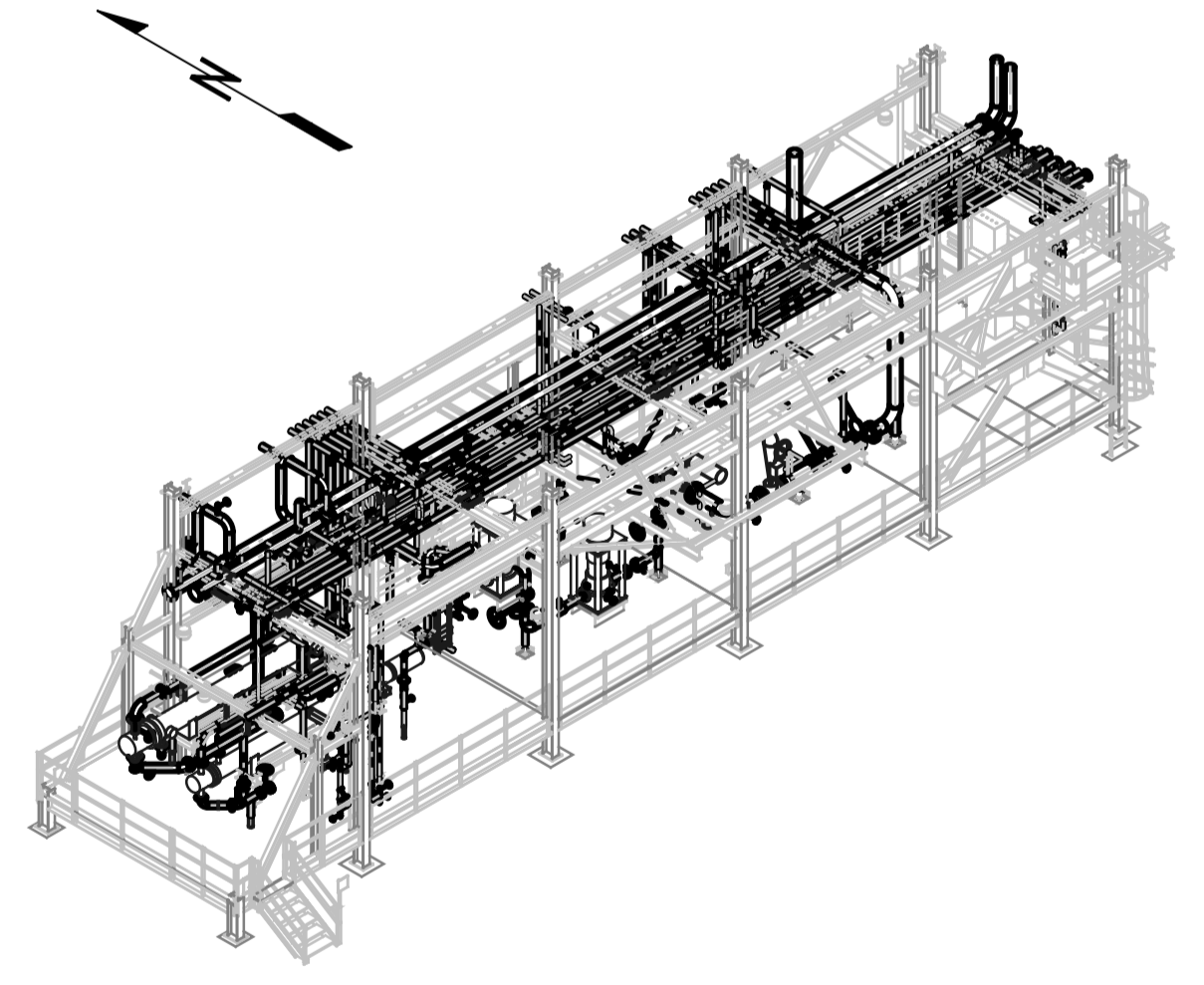
MATCH LINE CONT. DWG. NO
N 3955.600
440.0311.000.050.049

UPPER LEVEL
FROM EL. 628.000 TO 630.550
SCALE: 1:50

DRAWING LIMIT N 3946.800
LOWER LEVEL
FROM EL. 623.000 TO 628.000
SCALE: 1:50



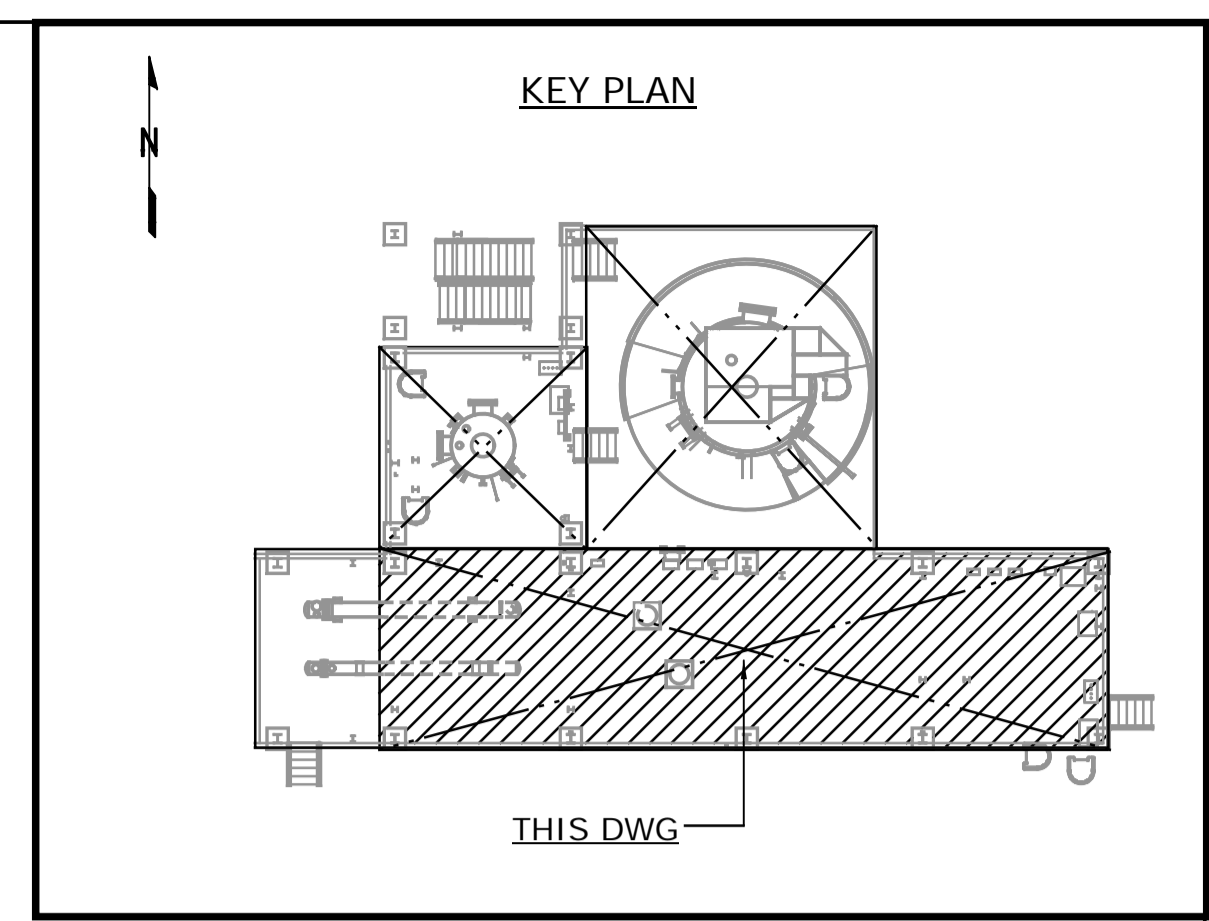
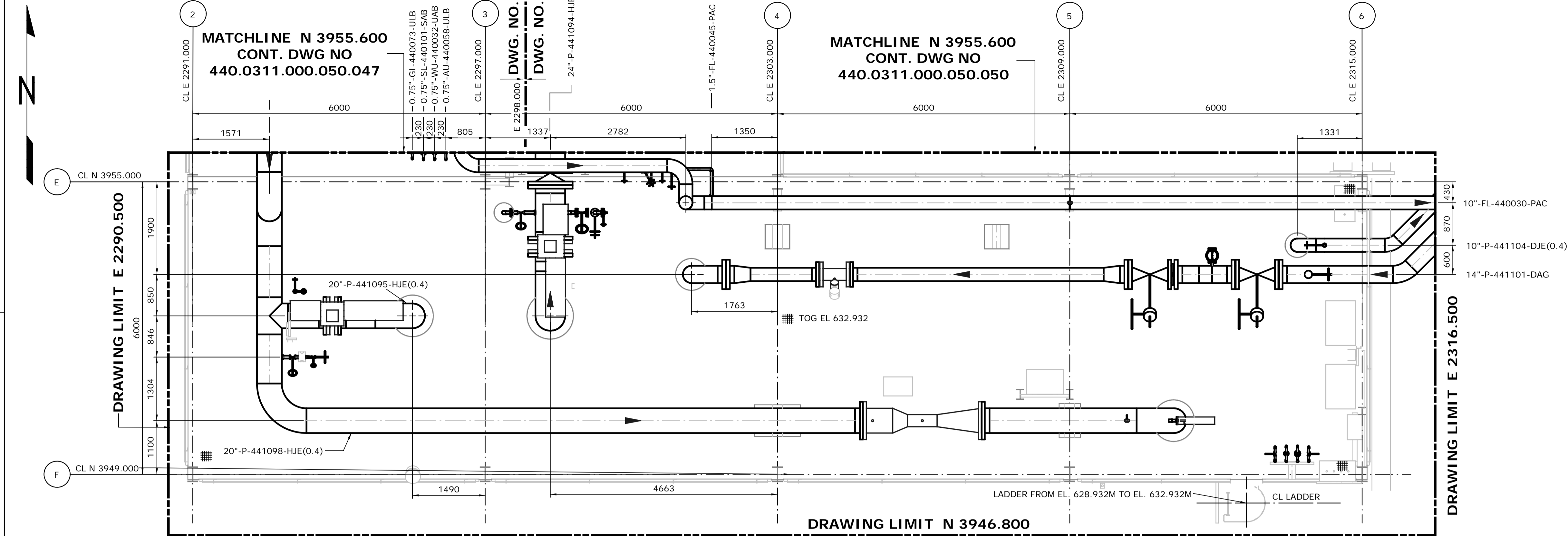
- NOTES:**
- ALL DIMENSIONS ARE IN MM, ELEVATIONS & COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.
 - HIGH POINT FINISHED SURFACE EL. 623.000M.



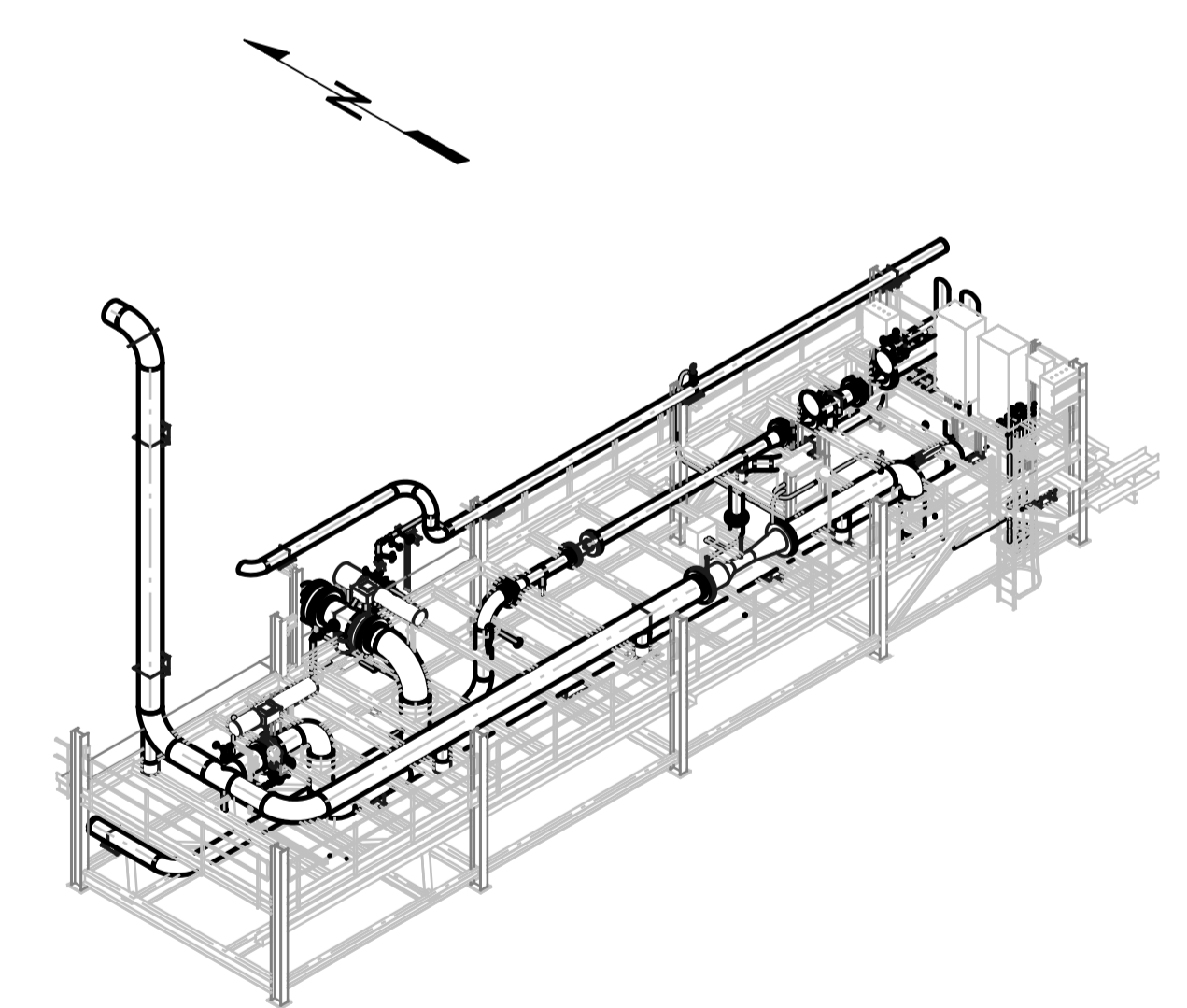
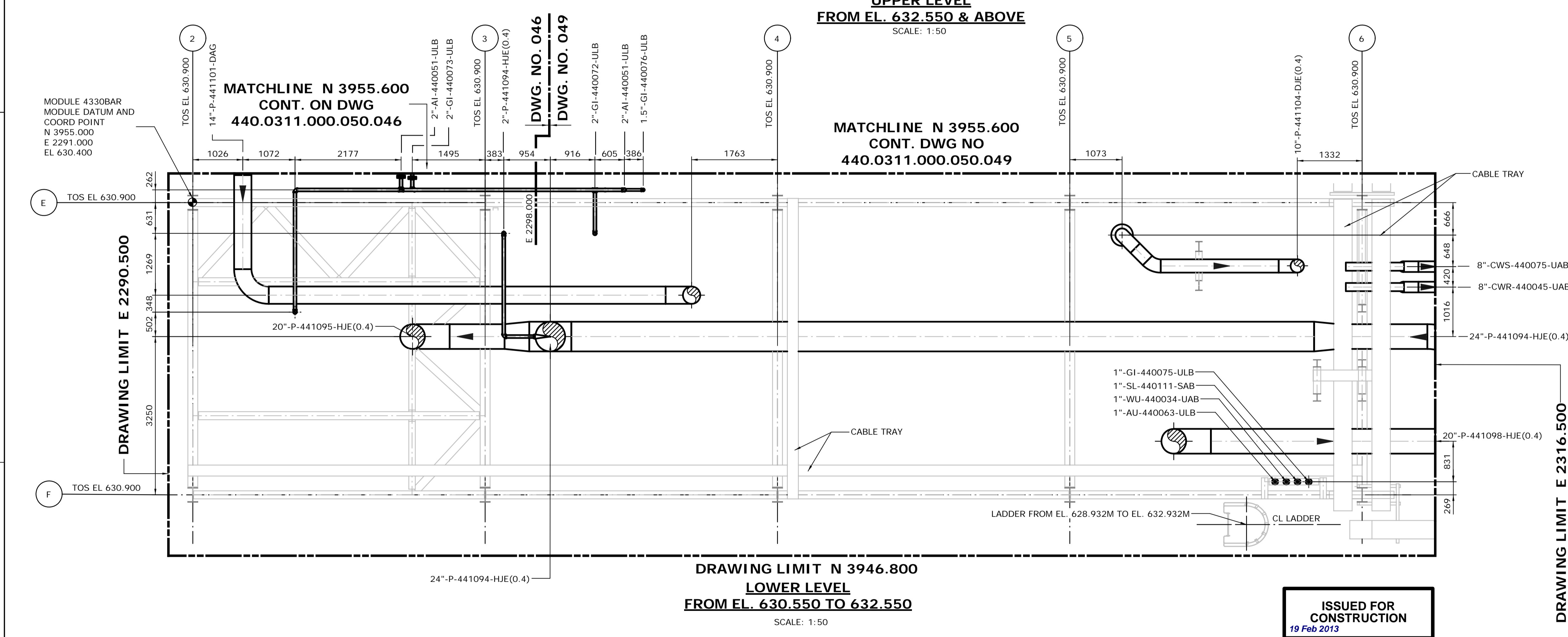
MODULE 4330ABM
LOOKING NORTHEAST (DOWN)
SCALE: NTS

ISSUED FOR CONSTRUCTION
19 Feb 2013

| | | | | | | | | | | | | | | | | | |
|------------------|--|-------------|--|---------------|--|-------------------------|--|-----------------|--|------------------------|--|----------------|--|---|--|---|--|
| DATE 13/02/06 | | DRAWN PS | | CHECKED DK | | LEAD BH | | APPROVED N/A | | CLIENT APPROVED N/A | | SCALE 1: 50 | | SHELL DRAWING NUMBER 440.0311.000.050.043 | | REV. 1 | |
| DATE 13/02/06 | | DRAWN PS | | CHECKED DK | | LEAD BH | | APPROVED N/A | | CLIENT APPROVED N/A | | SCALE 1: 50 | | SHELL DRAWING NUMBER 440.0311.000.050.043 | | REV. 1 | |
| NO. | | DATE | | DRAWN BY | | REVISION DESCRIPTION | | CHECK. | | LEAD | | APPR. | | CLIENT | | REFERENCE DRAWINGS | |
| 1 | | 13/02/06 | | PS | | ISSUED FOR CONSTRUCTION | | DK | | BH | | N/A | | N/A | | 440.0000.000.076.007 HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS 440.0000.000.044.001 PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 440.0000.000.076.005 MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | |



NOTES:
 1. ALL DIMENSIONS ARE IN MM, ELEVATIONS & COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.
 2. HIGH POINT FINISHED SURFACE EL. 623.000M.

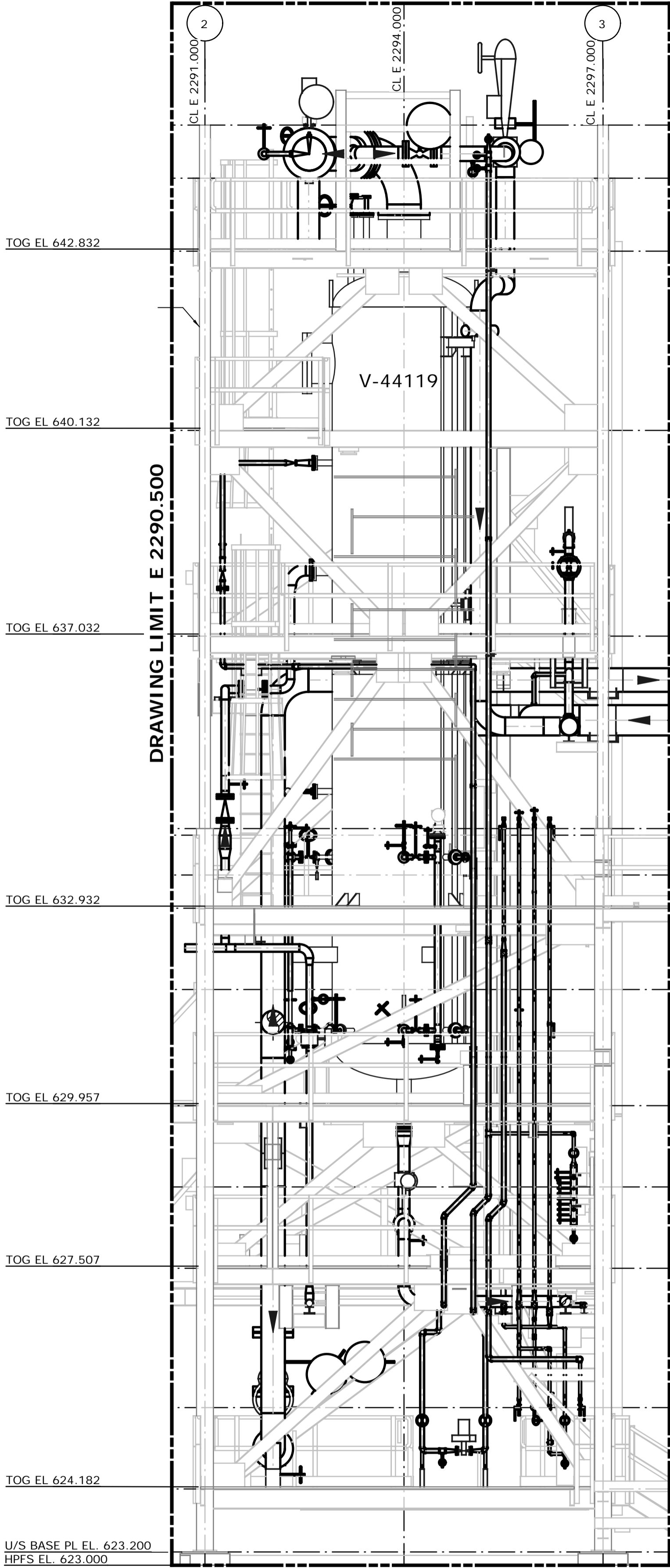


ISSUED FOR CONSTRUCTION
19 Feb 2013

| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS |
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| 1 | 13/02/06 | PS | ISSUED FOR CONSTRUCTION | DK | BH | N/A | N/A | 440.0000.000.076.007 HMU UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS 440.0000.000.044.001 PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 440.0000.000.076.005 MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN |

| | | |
|------------------------|--|------------------------|
| DATE 13/02/06 | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT ABGT |
| DRAWN PS | | |
| CHECKED DK | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN MODULE 4330BAR PLAN FROM EL. 630.550 ABOVE | |
| LEAD BH | | |
| APPROVED N/A | | |
| CLIENT APPROVED N/A | | |
| SCALE 1:50 | SHELL DRAWING NUMBER 440.0311.000.050.044 | REV. 1 |

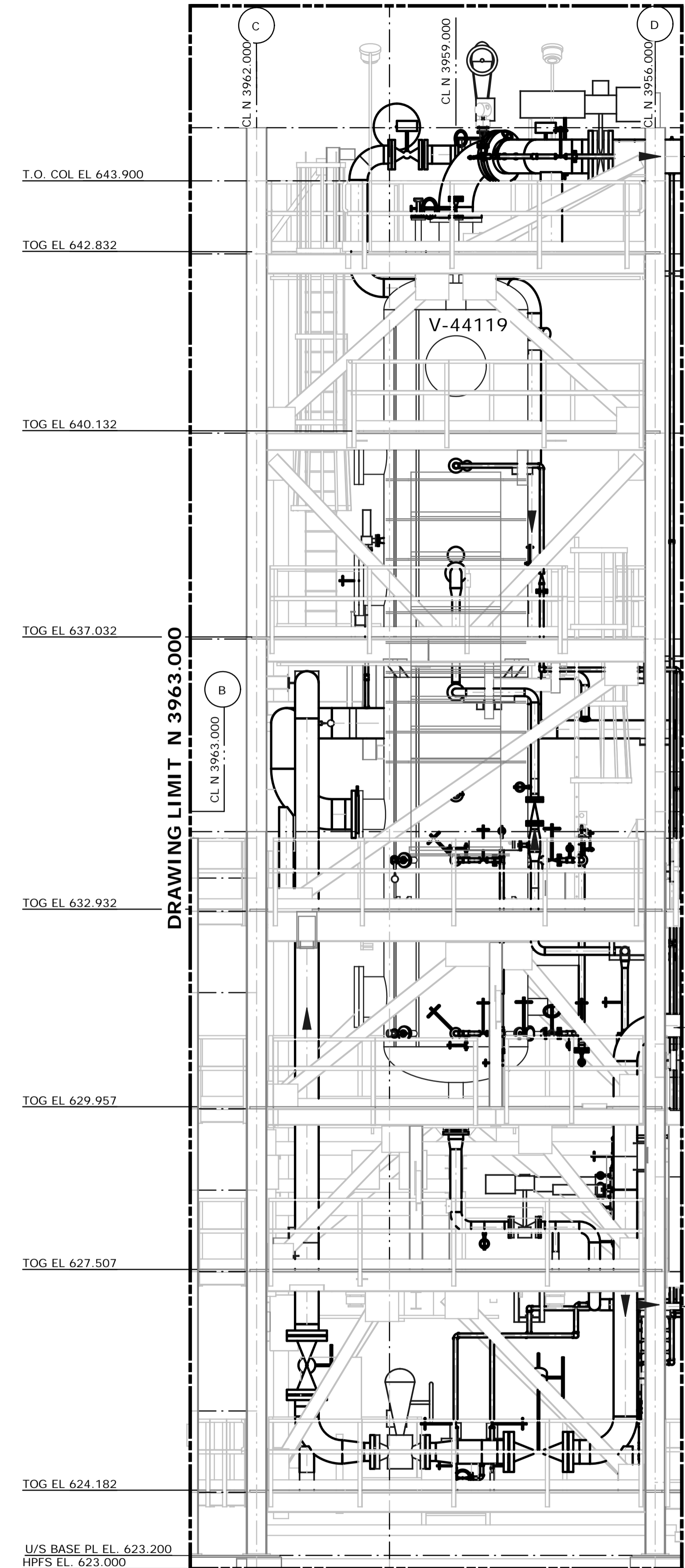
DRAWING LIMIT EL. 646.500



DRAWING LIMIT EL. 623.000
LOOKING NORTH
SCALE: 1:50

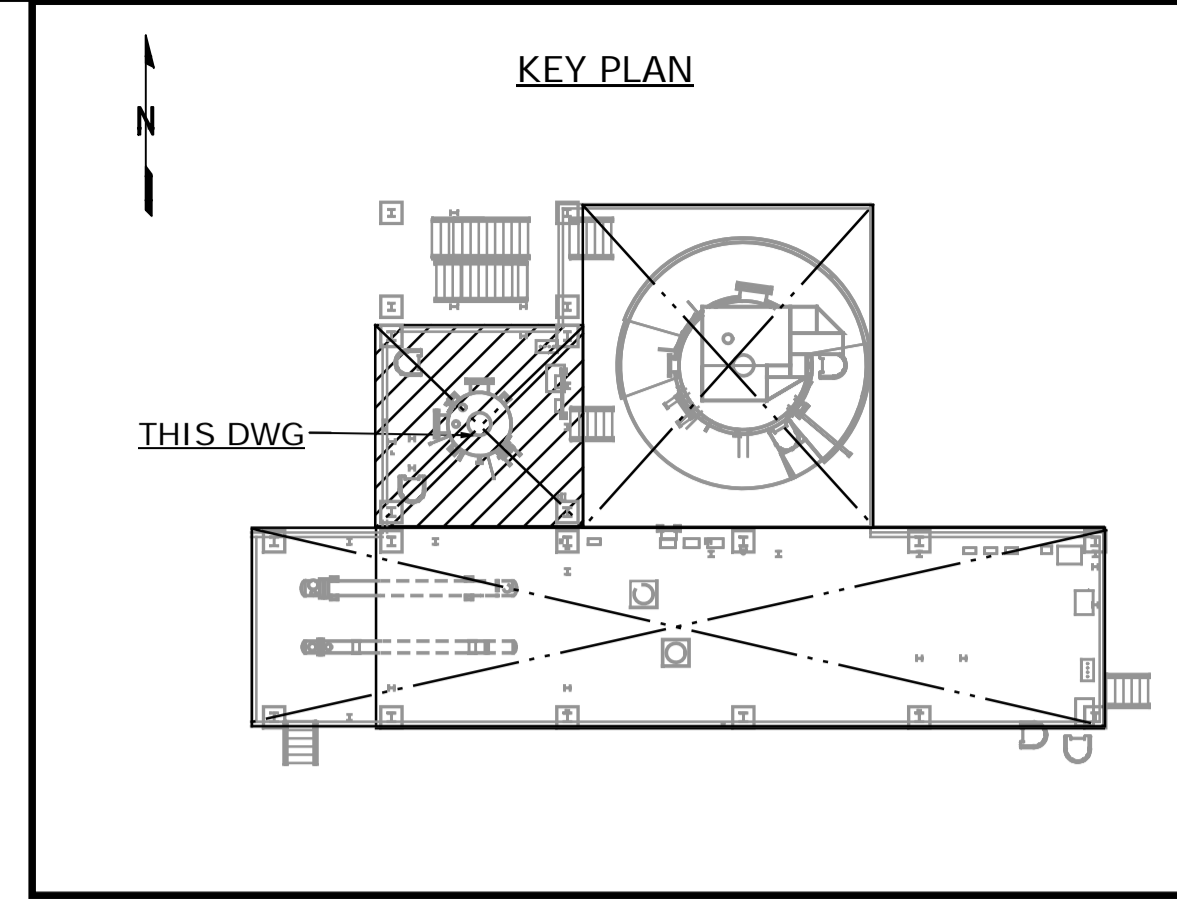
U/S BASE PL EL. 623.200
HPFS EL. 623.000

DRAWING LIMIT EL. 646.500



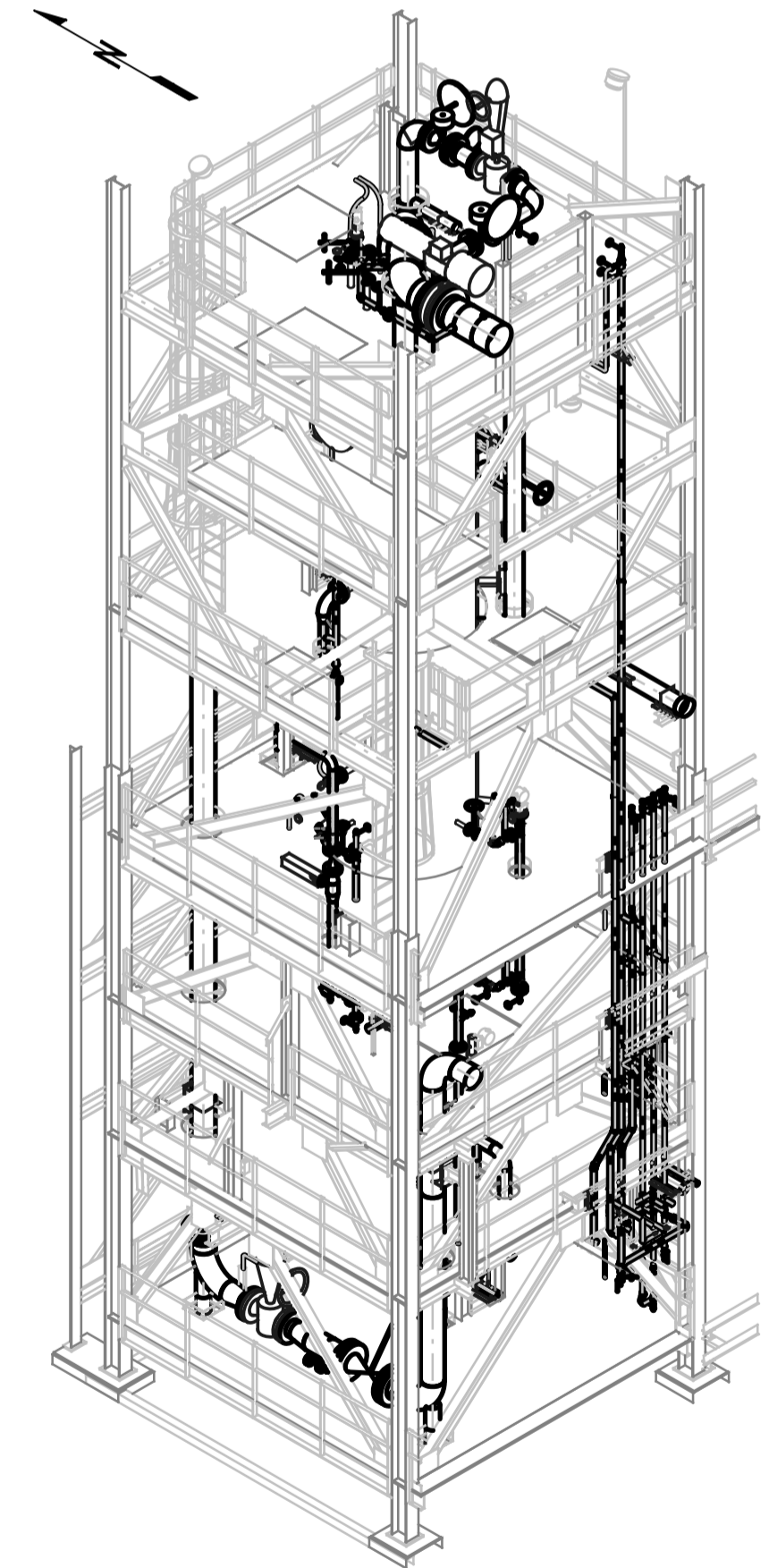
DRAWING LIMIT EL. 623.000
LOOKING EAST
SCALE: 1:50

U/S BASE PL EL. 623.200
HPFS EL. 623.000



- NOTES:**
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 - HIGH POINT FINISHED SURFACE EL. 623.000M.

ISSUED FOR CONSTRUCTION
19 Feb 2013



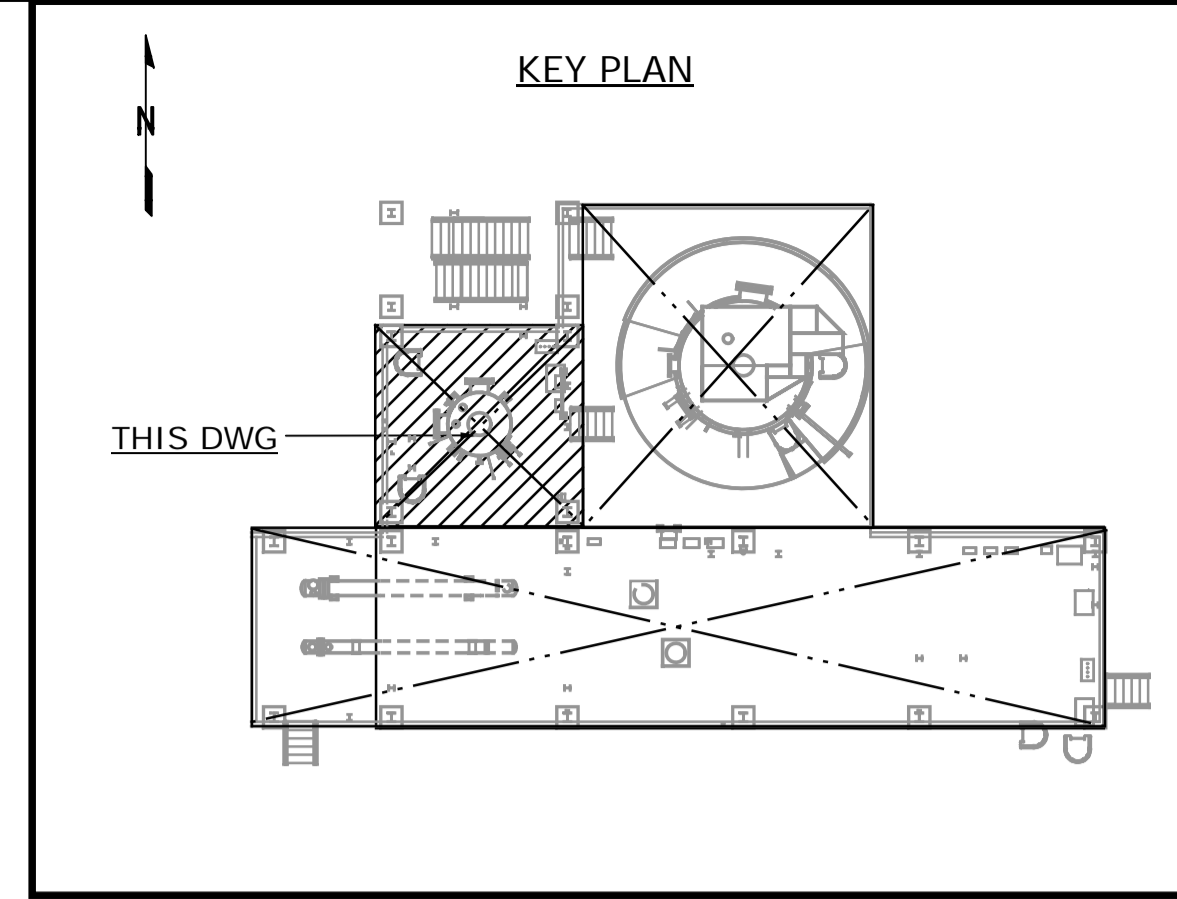
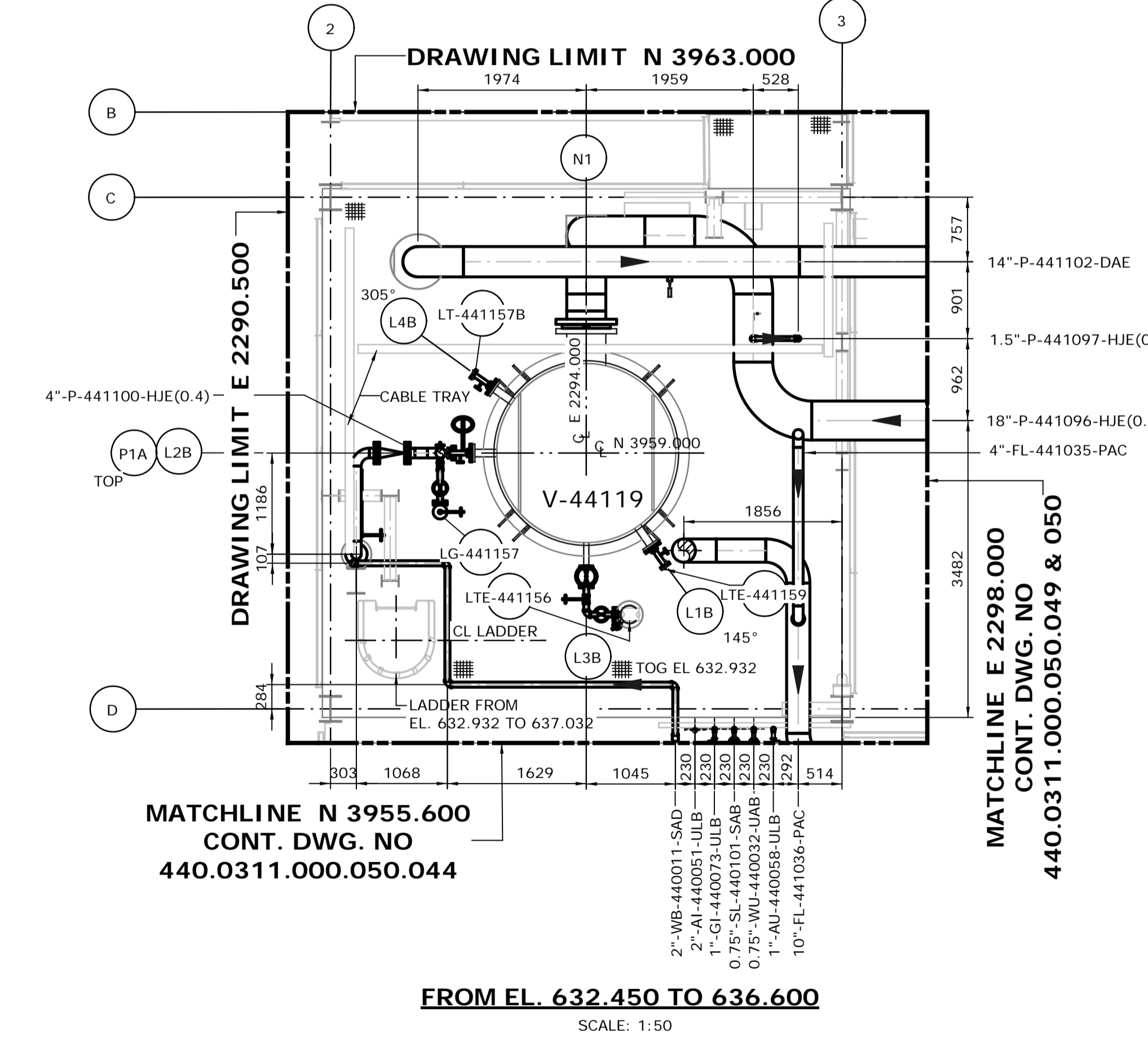
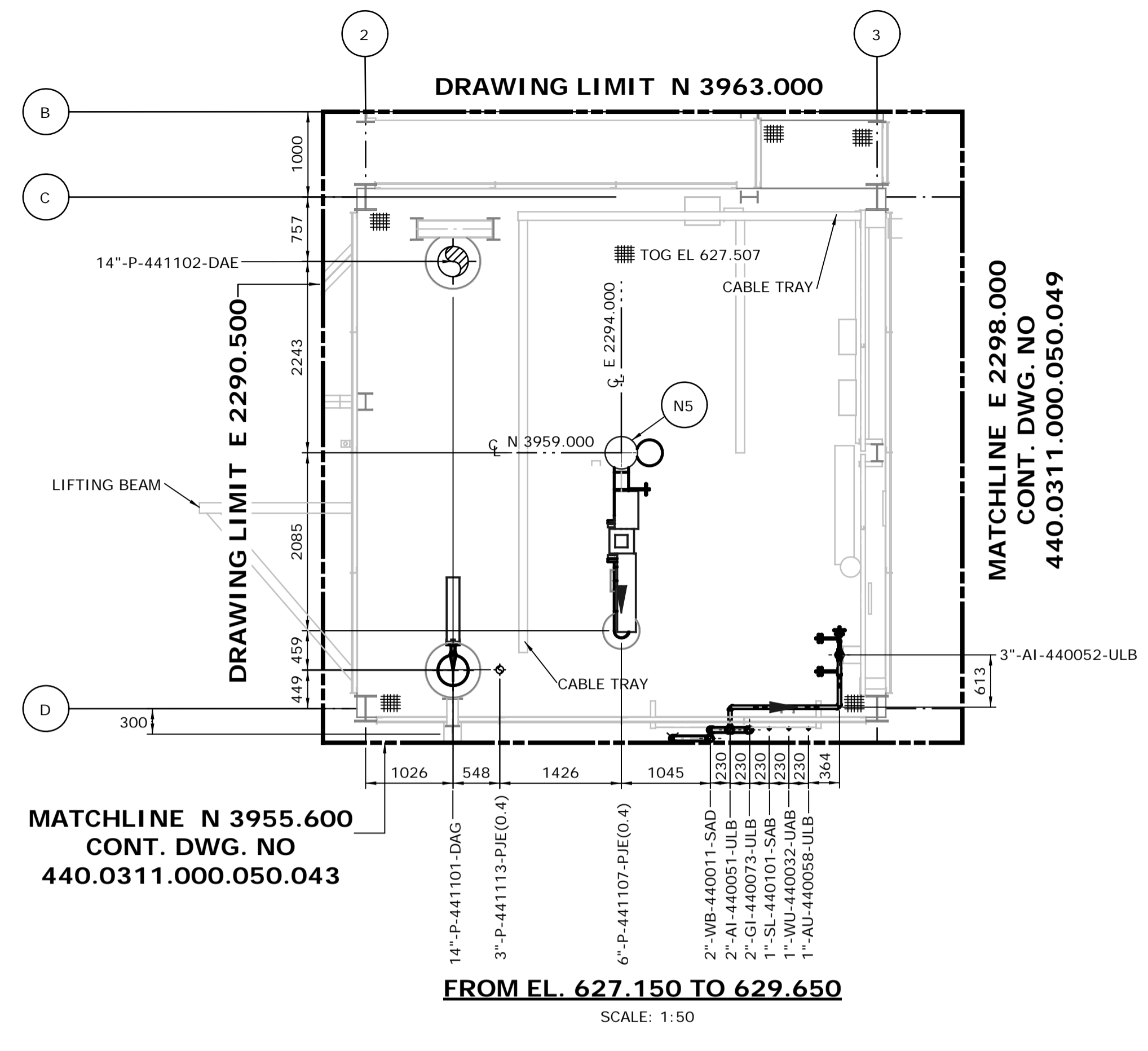
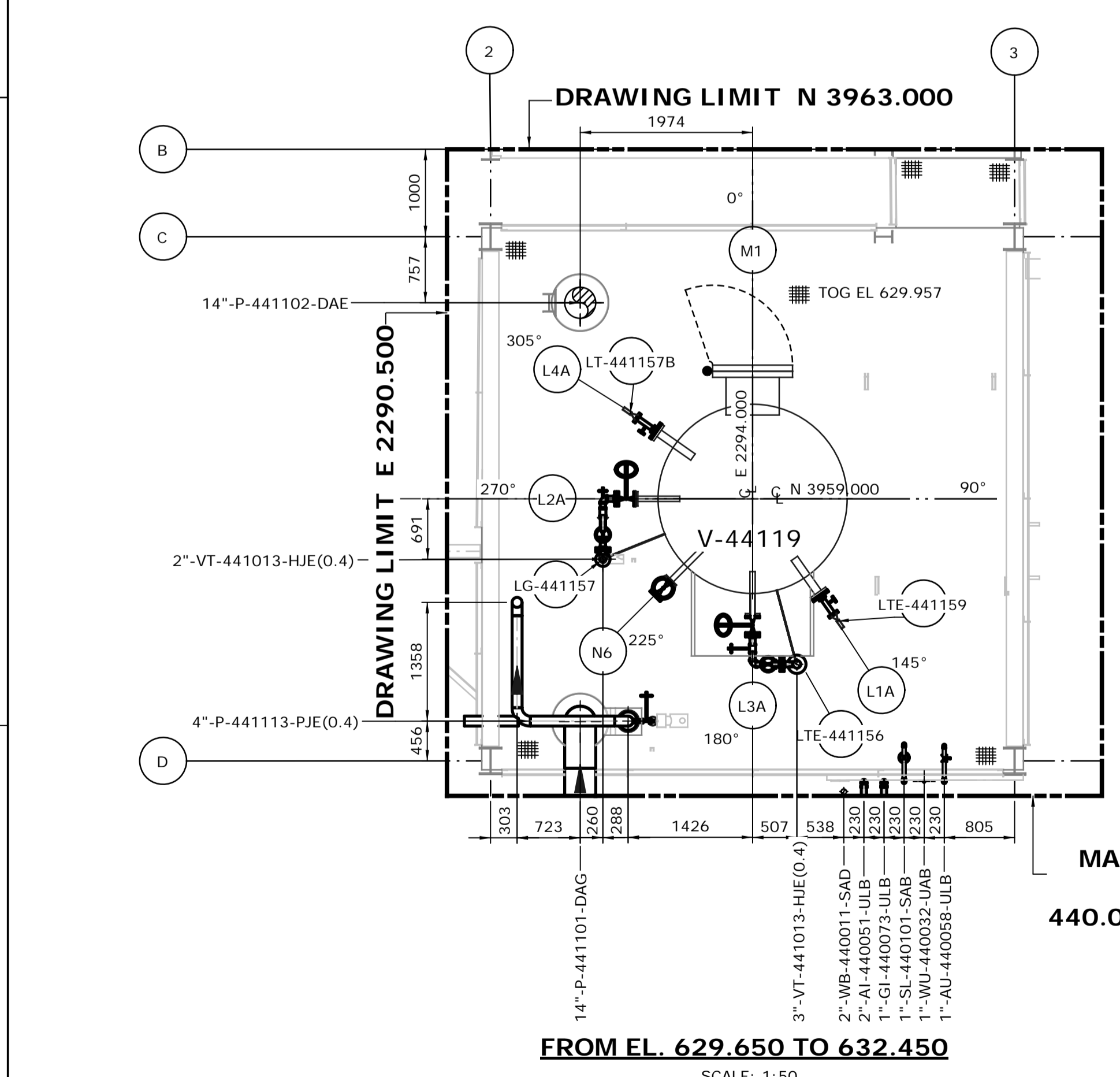
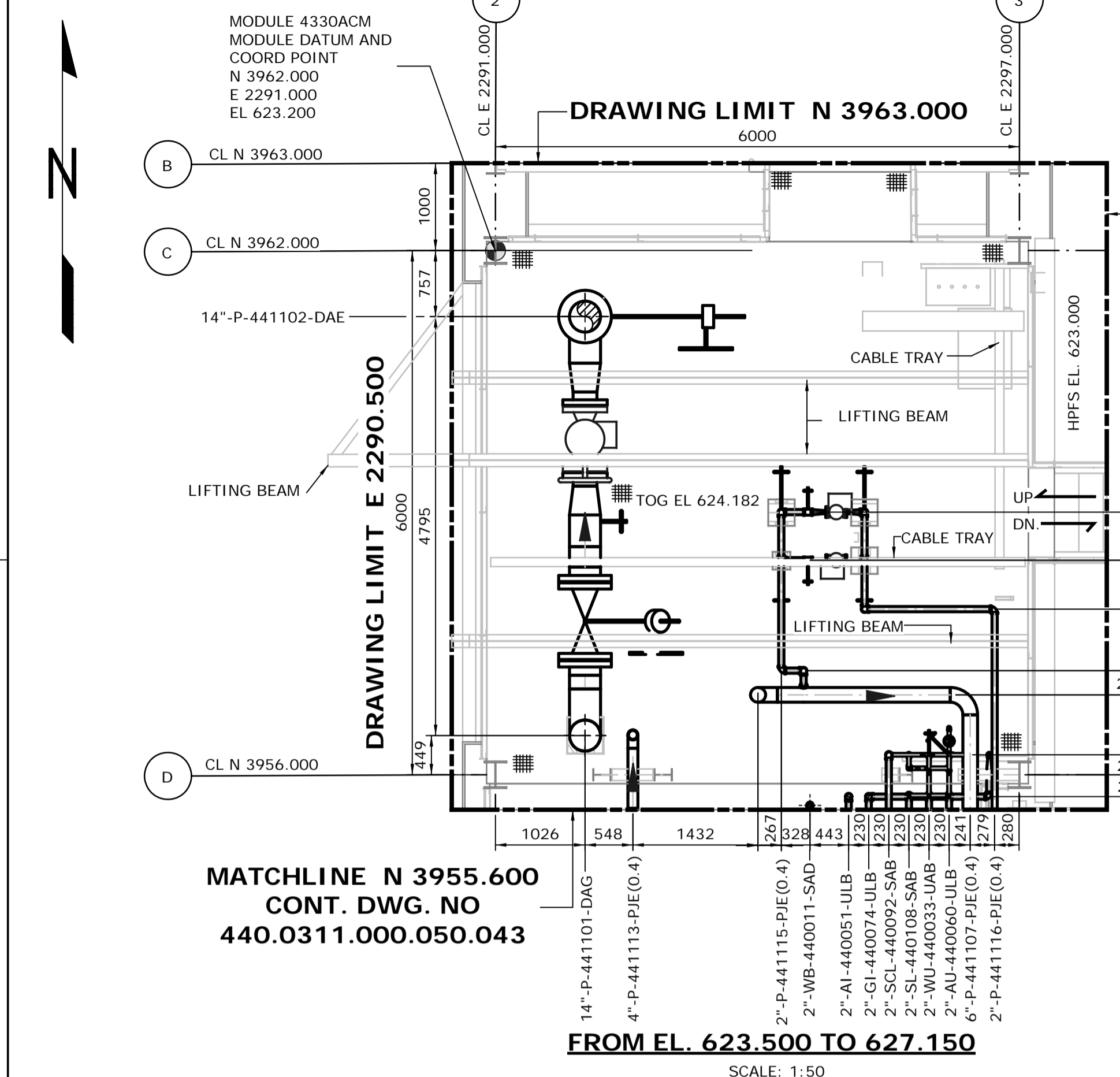
MODULE 4330ACM
LOOKING NORTHEAST (DOWN)
SCALE: NTS

| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS |
|-----|----------|----------|-------------------------|--------|------|-------|--------|---|
| 1 | 13/02/06 | PS | ISSUED FOR CONSTRUCTION | DK | BH | N/A | N/A | 440.0000.000.076.007 HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS 440.0000.000.044.001 PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 440.0000.000.076.005 MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN |

PERMIT STAMP

ENGINEER STAMP

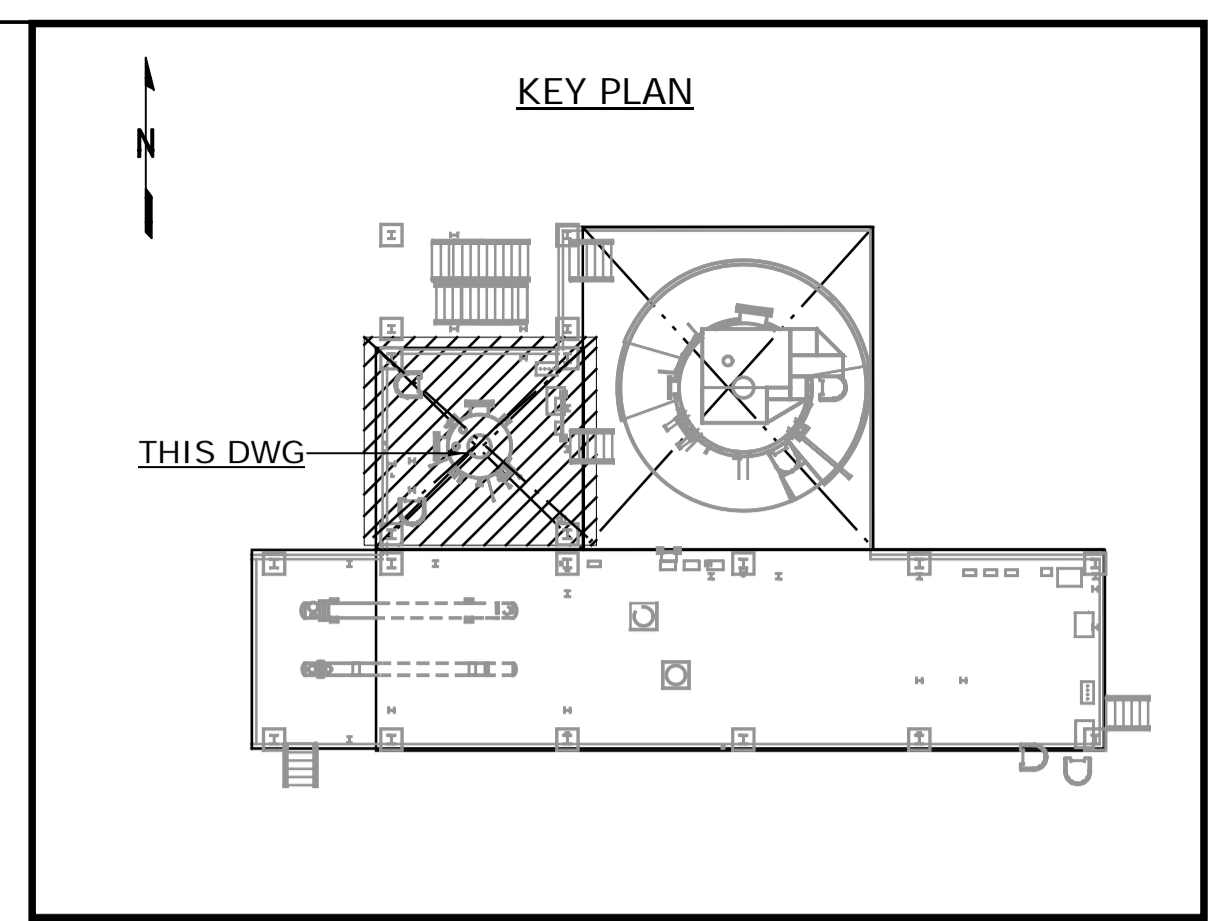
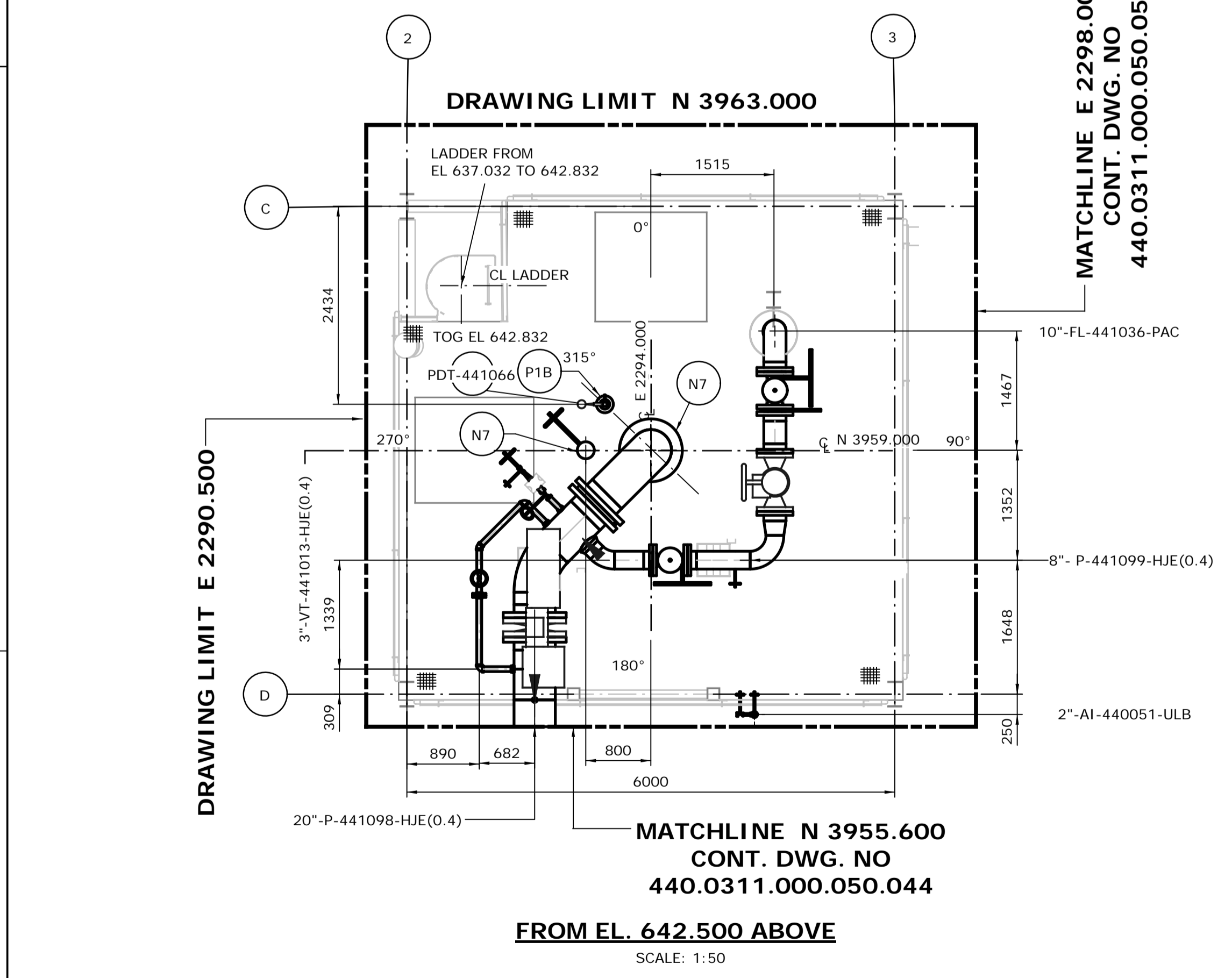
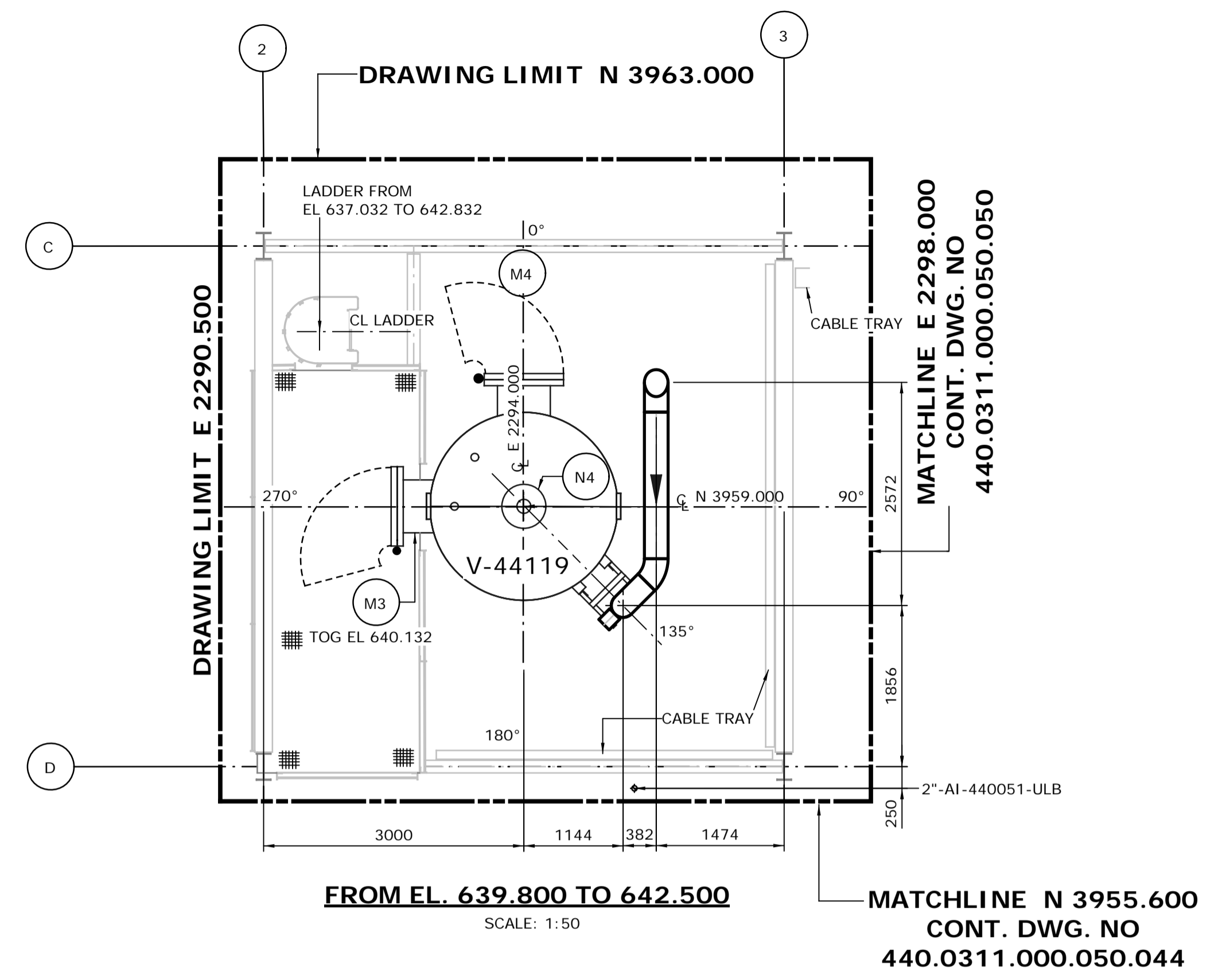
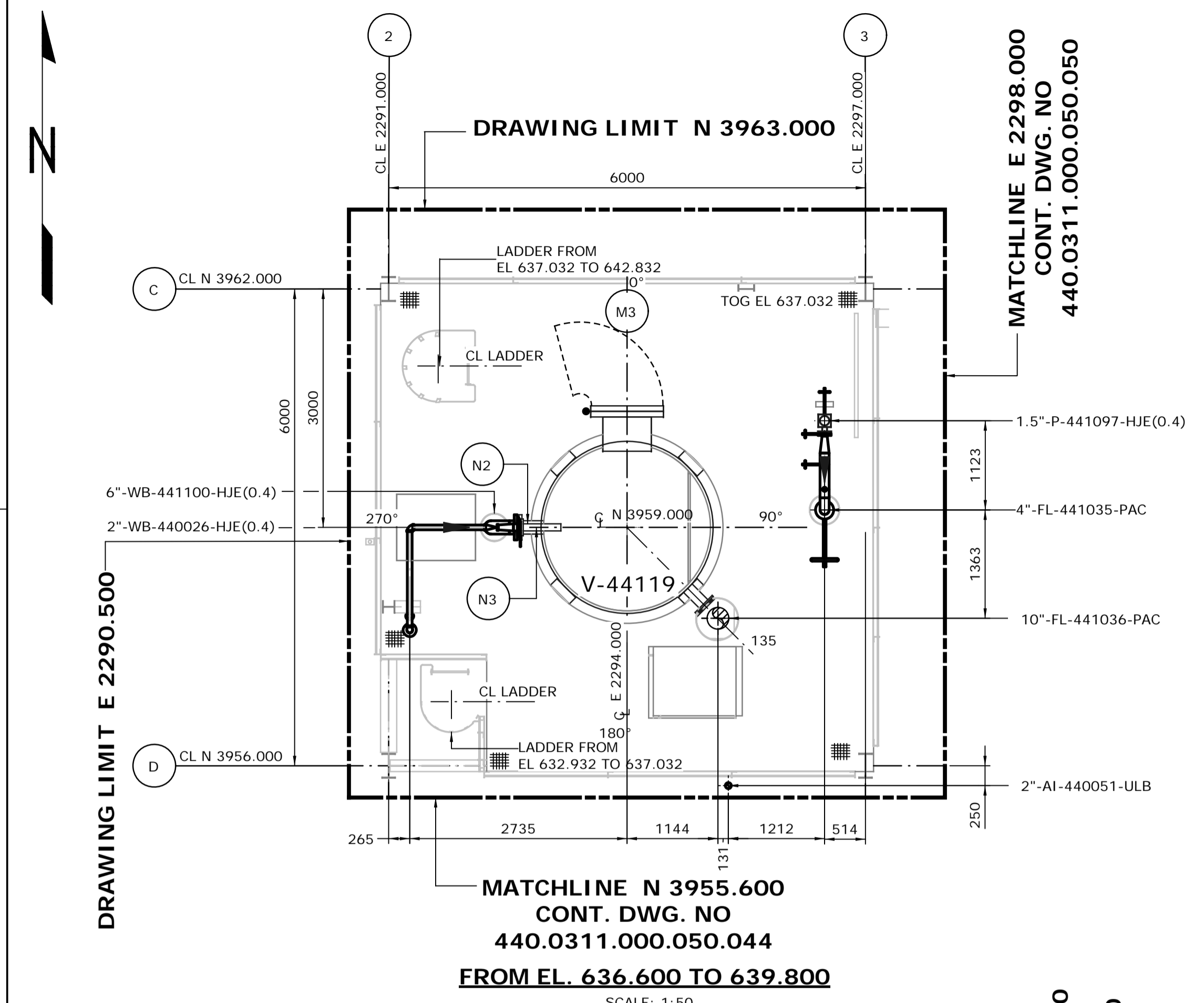
| | | | |
|------------------------|--|---|-----------|
| DATE 13/02/06 | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT: ABGT | |
| DRAWN PS | | | |
| CHECKED DK | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN MODULE 4330ACM ELEVATION VIEWS | | |
| LEAD BH | | | |
| APPROVED N/A | | | |
| CLIENT APPROVED N/A | SCALE 1: 50 | SHELL DRAWING NUMBER 440.0311.000.050.045 | REV. 1 |



- NOTES:**
1. ALL DIMENSIONS ARE IN MM, ELEVATIONS & COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.
 2. HIGH POINT FINISHED SURFACE EL. 623.000M.

ISSUED FOR CONSTRUCTION
19 Feb 2013

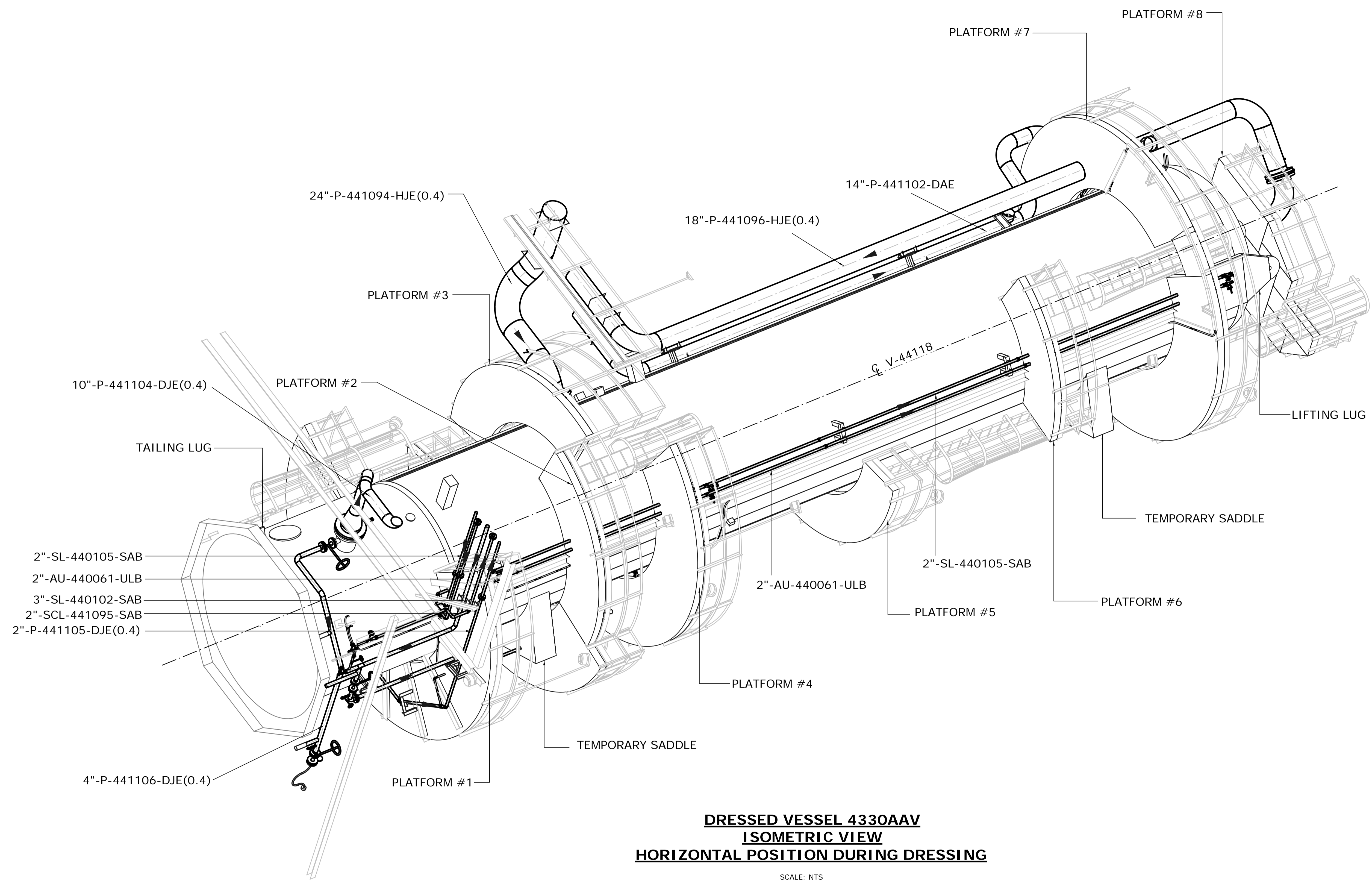
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|------------------|--|-------------|--|---------------|--|-------------------------|--|-----------------|--|------------------------|--|----------------|--|---|--|----------------------|--|---|--|
| DATE 13/02/06 | | DRAWN PS | | CHECKED DK | | LEAD BH | | APPROVED N/A | | CLIENT APPROVED N/A | | SCALE 1: 50 | | SHELL DRAWING NUMBER 440.0311.000.050.046 | | REV. 1 | | | |
| | | | | | | | | | | | | | | | | | | | |
| 1 | | 13/02/06 | | PS | | ISSUED FOR CONSTRUCTION | | DK | | BH | | N/A | | N/A | | 440.0000.000.076.007 | | HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS | |
| | | | | | | | | | | | | | | | | 440.0000.000.044.001 | | PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 | |
| | | | | | | | | | | | | | | | | 440.0000.000.076.005 | | MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | |
| NO. | | DATE | | DRAWN BY | | REVISION DESCRIPTION | | CHECK. | | LEAD | | APPR. | | CLIENT | | REFERENCE DRAWINGS | | PERMIT STAMP | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |



- NOTES:**
- ALL DIMENSIONS ARE IN MM, ELEVATIONS & COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.
 - HIGH POINT FINISHED SURFACE EL. 623.000M.

ISSUED FOR CONSTRUCTION
19 Feb 2013

| | | | | | | | | | | | | |
|-----|----------|----------|-------------------------|--------|------|-------|--------|------------------------|---|--|---|-----------|
| | | | | | | | | DATE 13/02/06 | | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT: ABGT | |
| | | | | | | | | DRAWN VT | | | | |
| | | | | | | | | CHECKED DK | | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN MODULE 4330ACM PLAN FROM EL. 636.600 ABOVE | | |
| | | | | | | | | LEAD BH | | | | |
| | | | | | | | | APPROVED N/A | | | | |
| | | | | | | | | CLIENT APPROVED N/A | | SCALE 1: 50 | SHELL DRAWING NUMBER 440.0311.000.050.047 | REV. 1 |
| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS | | | | |
| 1 | 13/02/06 | VT | ISSUED FOR CONSTRUCTION | DK | BH | N/A | N/A | 440.0000.000.076.007 | HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS | | | |
| | | | | | | | | 440.0000.000.044.001 | PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 | | | |
| | | | | | | | | 440.0000.000.076.005 | MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | | | |
| | | | | | | | | PERMIT STAMP | | ENGINEER STAMP | | |

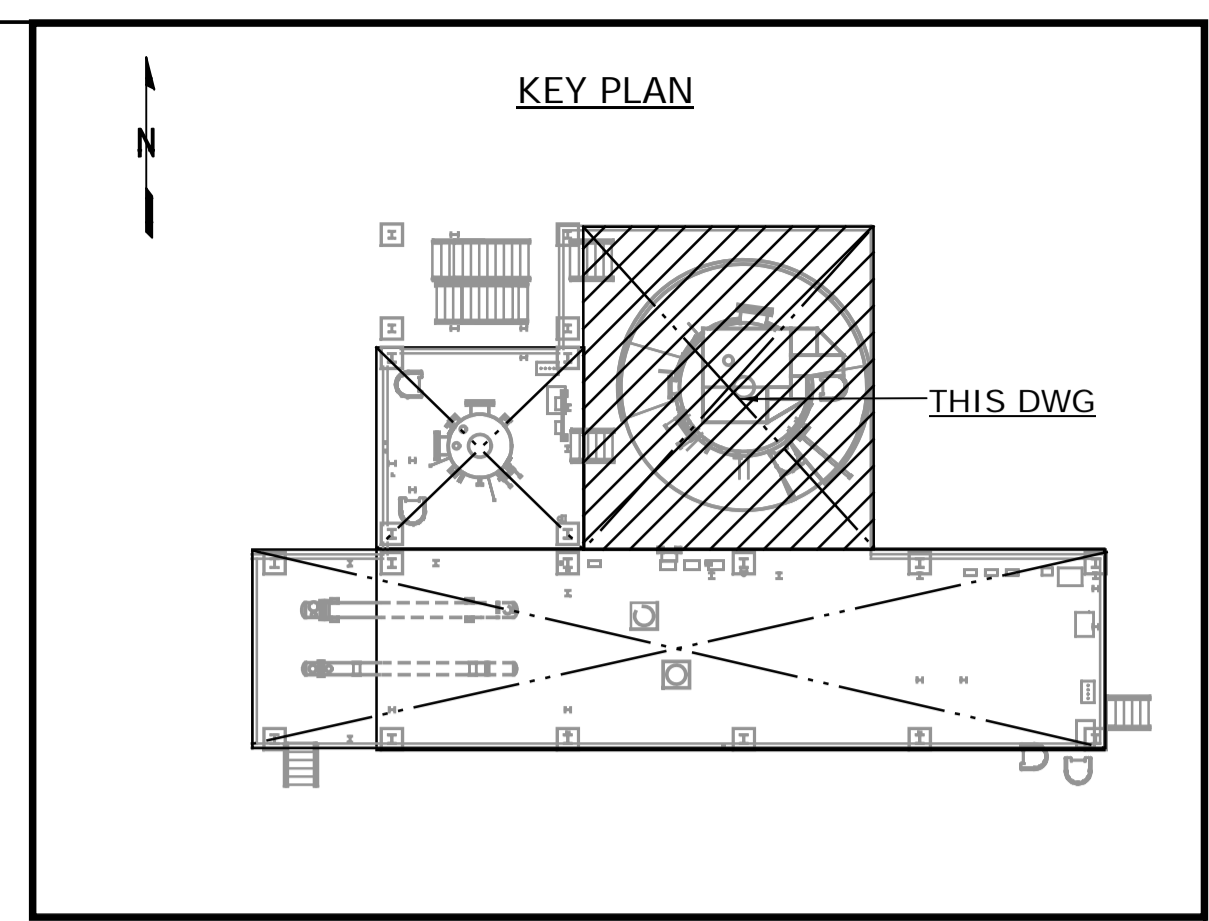
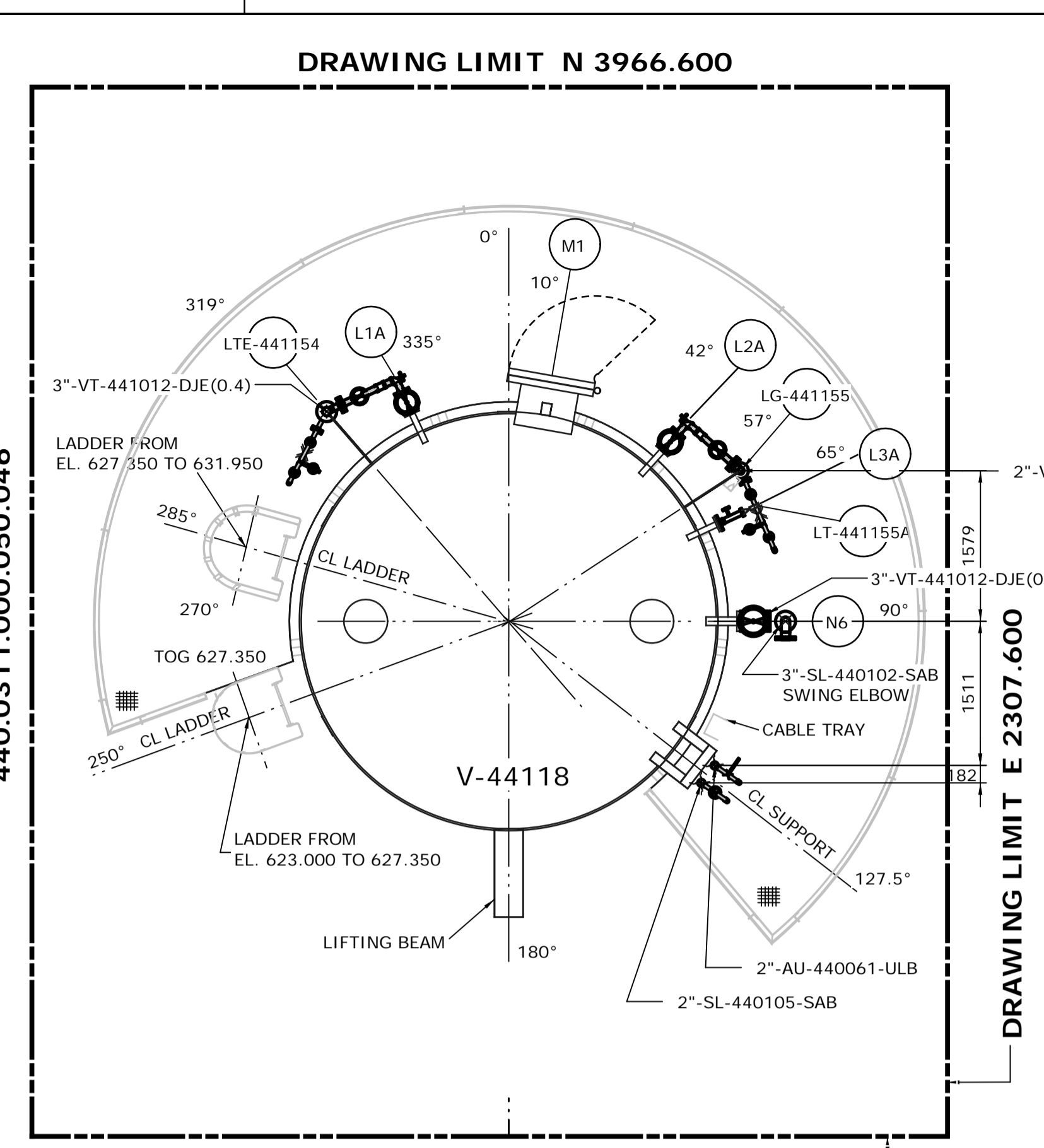
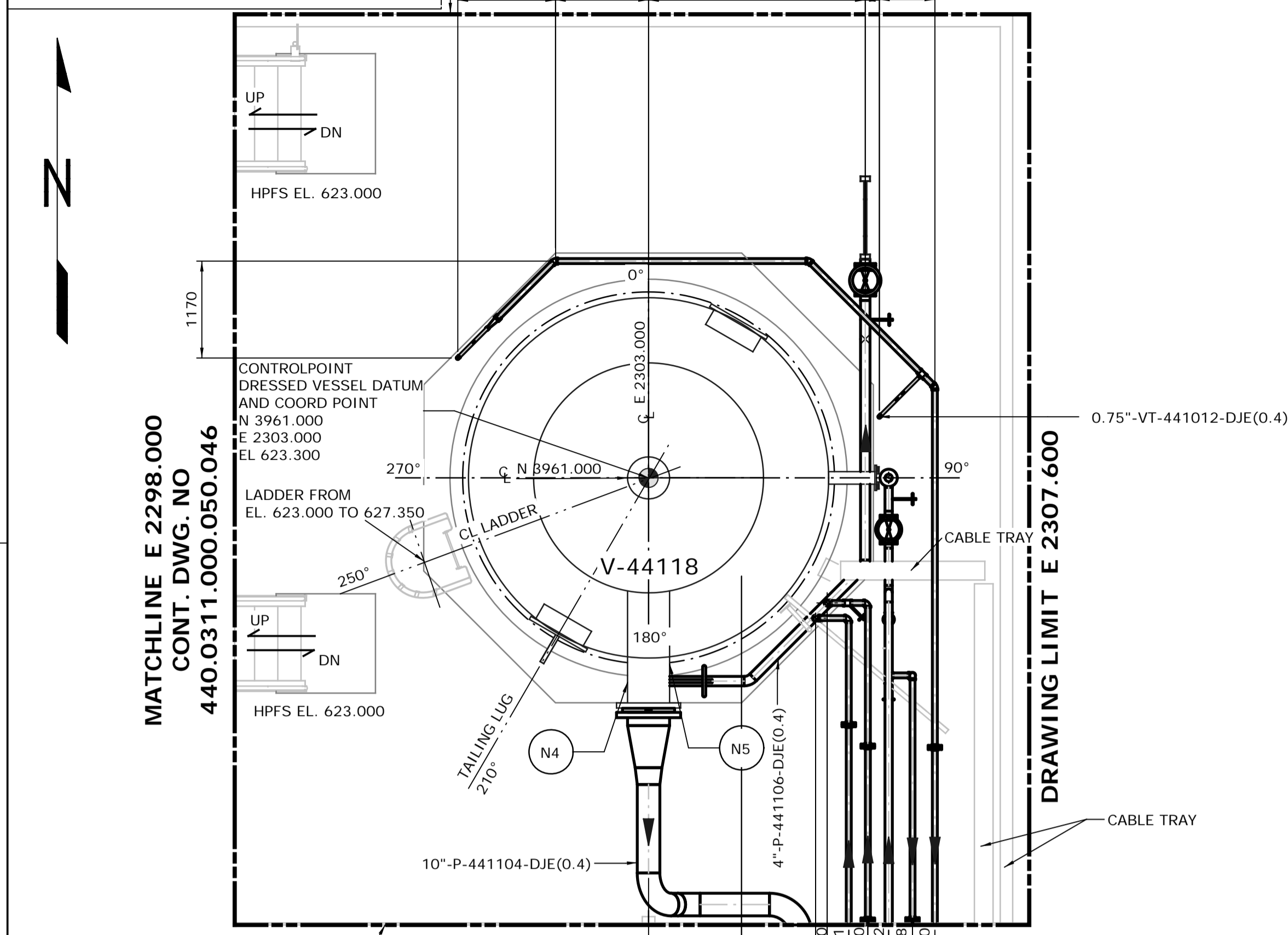


DRESSED VESSEL 4330AAV
ISOMETRIC VIEW
HORIZONTAL POSITION DURING DRESSING

SCALE: NTS

ISSUED FOR CONSTRUCTION
 19 Feb 2013

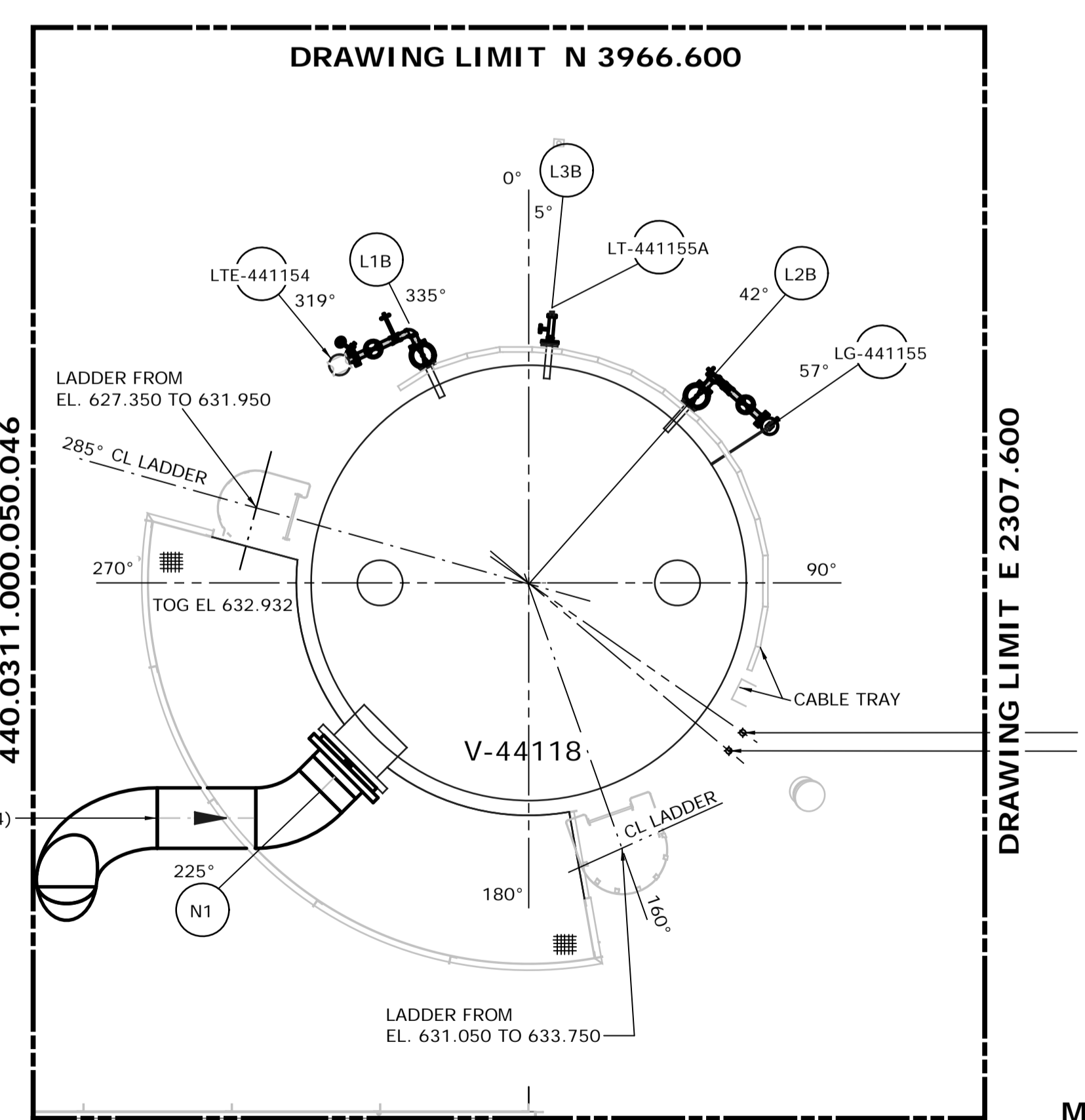
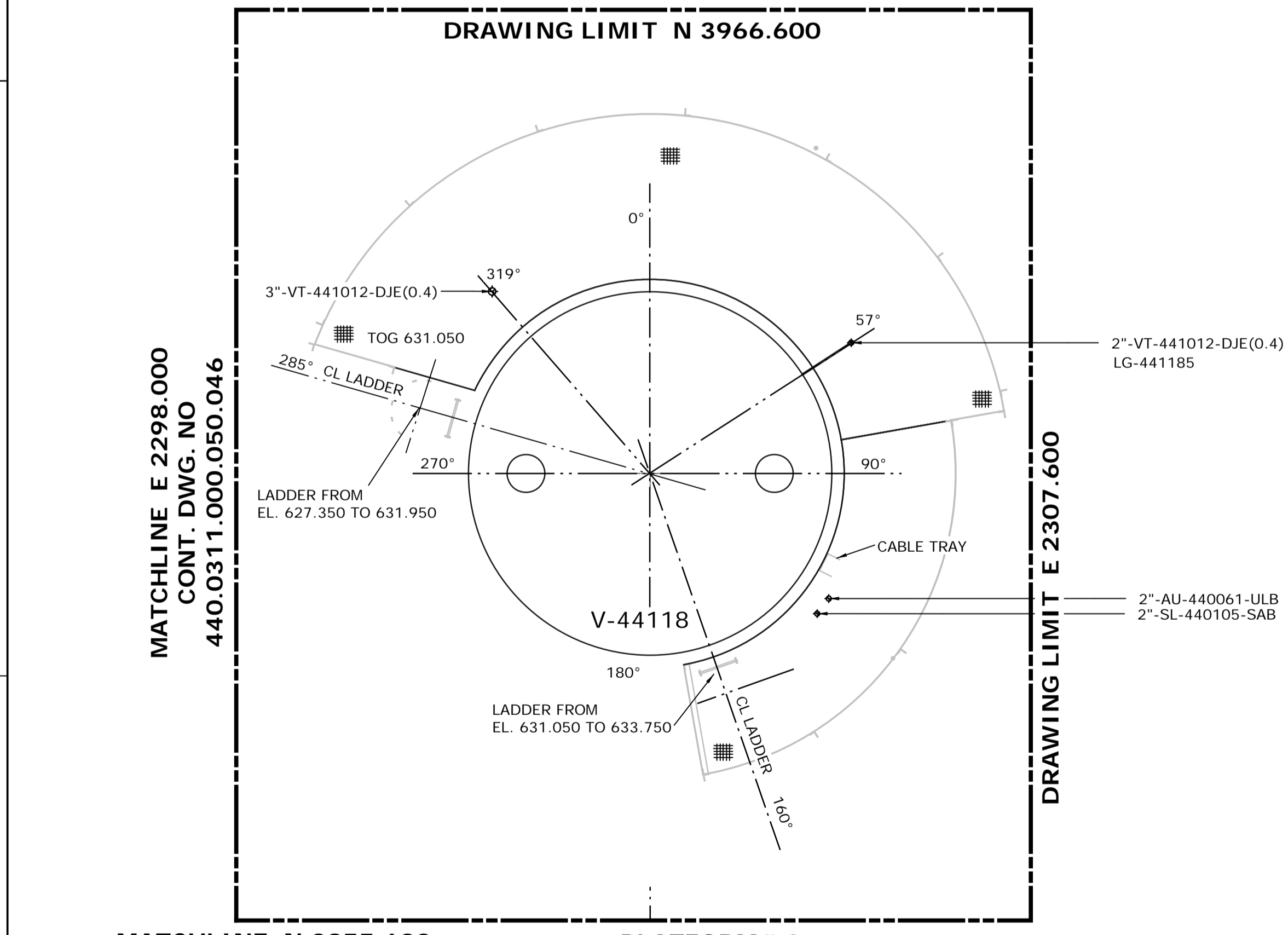
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|-----|----------|----------|-------------------------|--------|------|-------|--------|----------------------|---|--|--|------------------------|----------------|-----------------------------------|---|---|--|
| | | | | | | | | | | | | DATE 13/02/06 | | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT: ABGT | | |
| | | | | | | | | | | | | DRAWN VPT | | | | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN DRESSED VESSEL 4330AAV ISOMETRIC VIEW | |
| | | | | | | | | | | | | CHECKED DK | | | | | |
| | | | | | | | | | | | | LEAD BH | | | | | |
| | | | | | | | | | | | | APPROVED N/A | | | | | |
| | | | | | | | | | | | | CLIENT APPROVED N/A | | SCALE NTS | SHELL DRAWING NUMBER 440.0311.000.050.048 | REV. 1 | |
| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS | | | | PERMIT STAMP | ENGINEER STAMP | | | | |
| 1 | 13/02/06 | VPT | ISSUED FOR CONSTRUCTION | DK | BH | N/A | N/A | 440.0311.000.050.050 | PIPING ARRANGEMENT DRESSED VESSEL PALN AT 633.500M & ABOVE | | | | | | | | |
| | | | | | | | | 440.0311.000.050.049 | PIPING ARRANGEMENT DRESSED VESSEL PALN AT 623.500M TO 633.500M | | | | | | | | |
| | | | | | | | | 440.0000.000.076.007 | HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS | | | | | | | | |
| | | | | | | | | 440.0000.000.044.001 | PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 | | | | | | | | |
| | | | | | | | | 440.0000.000.076.005 | MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | | | | | | | | |



NOTES:
1. ALL DIMENSIONS ARE IN MM, ELEVATIONS & COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.
2. HIGH POINT FINISHED SURFACE EL. 623.000M.

MATCHLINE E 2298.000
CONT. DWG. NO
440.0311.000.050.046
DRAWING LIMIT E 2307.600
MATCHLINE N 3955.600
CONT. DWG. NO
440.0311.000.050.043
GRADE LEVEL
FROM EL. 623.000 TO 626.950
SCALE: 1:50

MATCHLINE E 2298.000
CONT. DWG. NO
440.0311.000.050.046
PLATFORM # 1
FROM EL. 626.950 TO 630.700
SCALE: 1:50
DRAWING LIMIT E 2307.600
MATCHLINE N 3955.600
CONT. DWG. NO
440.0311.000.050.043 & 044

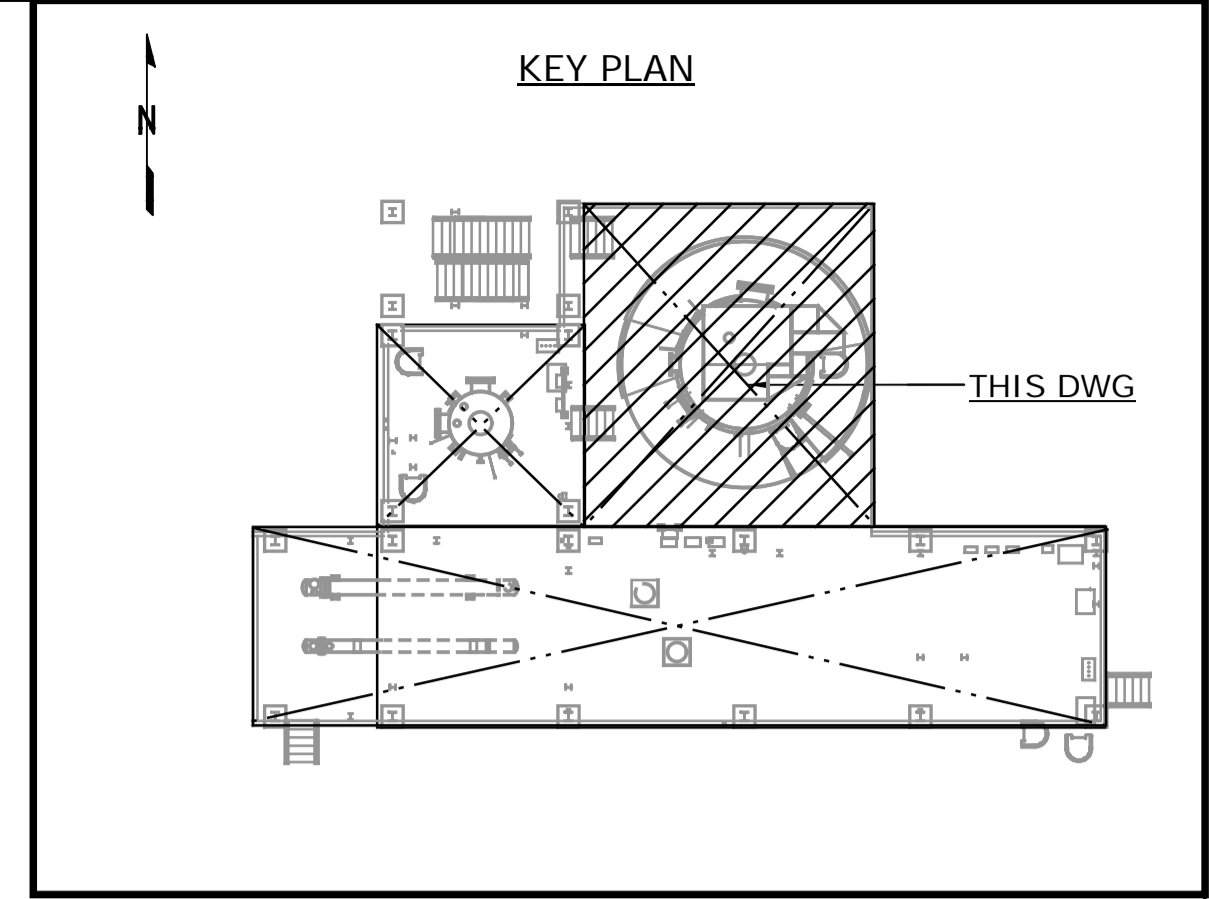
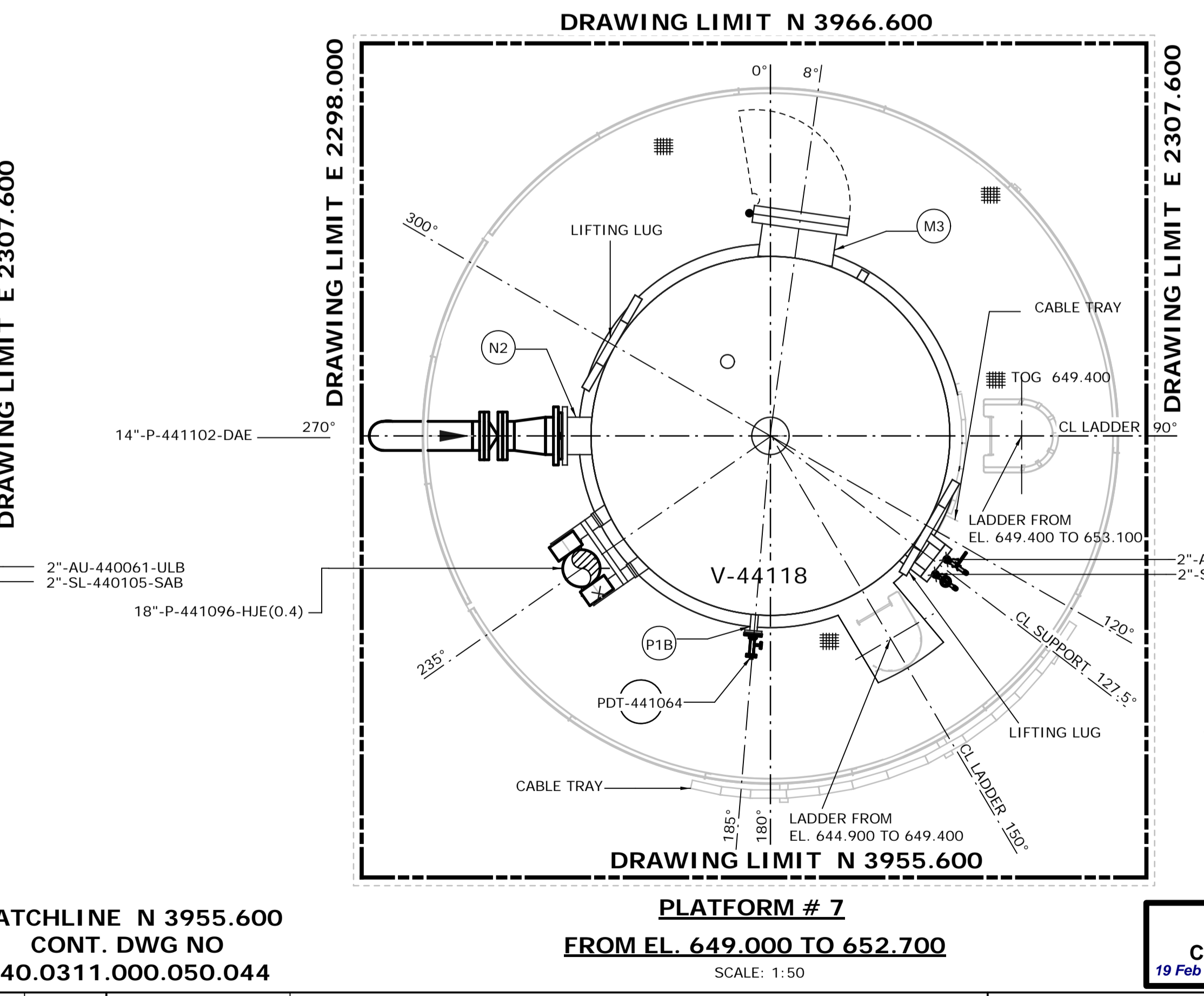
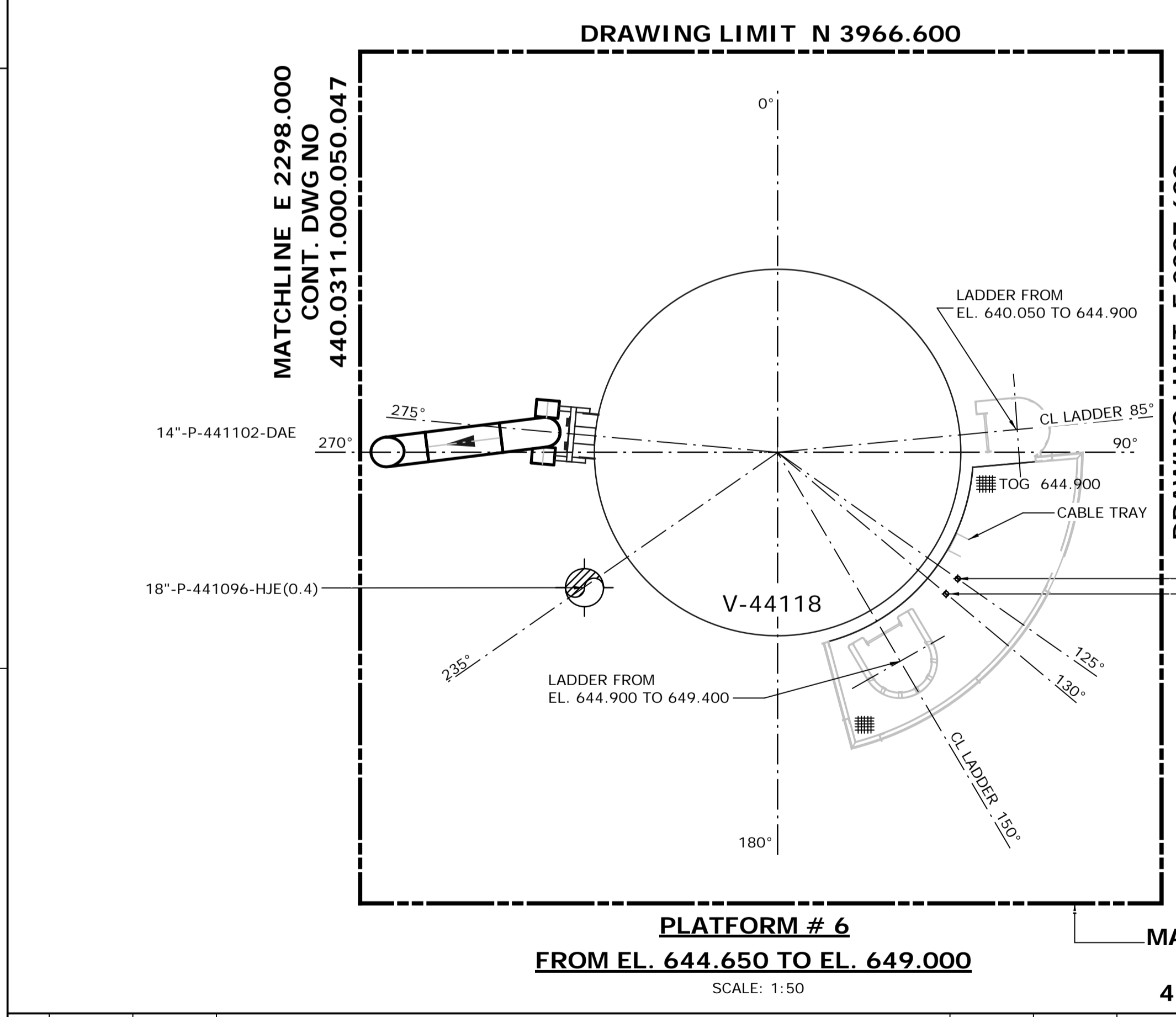
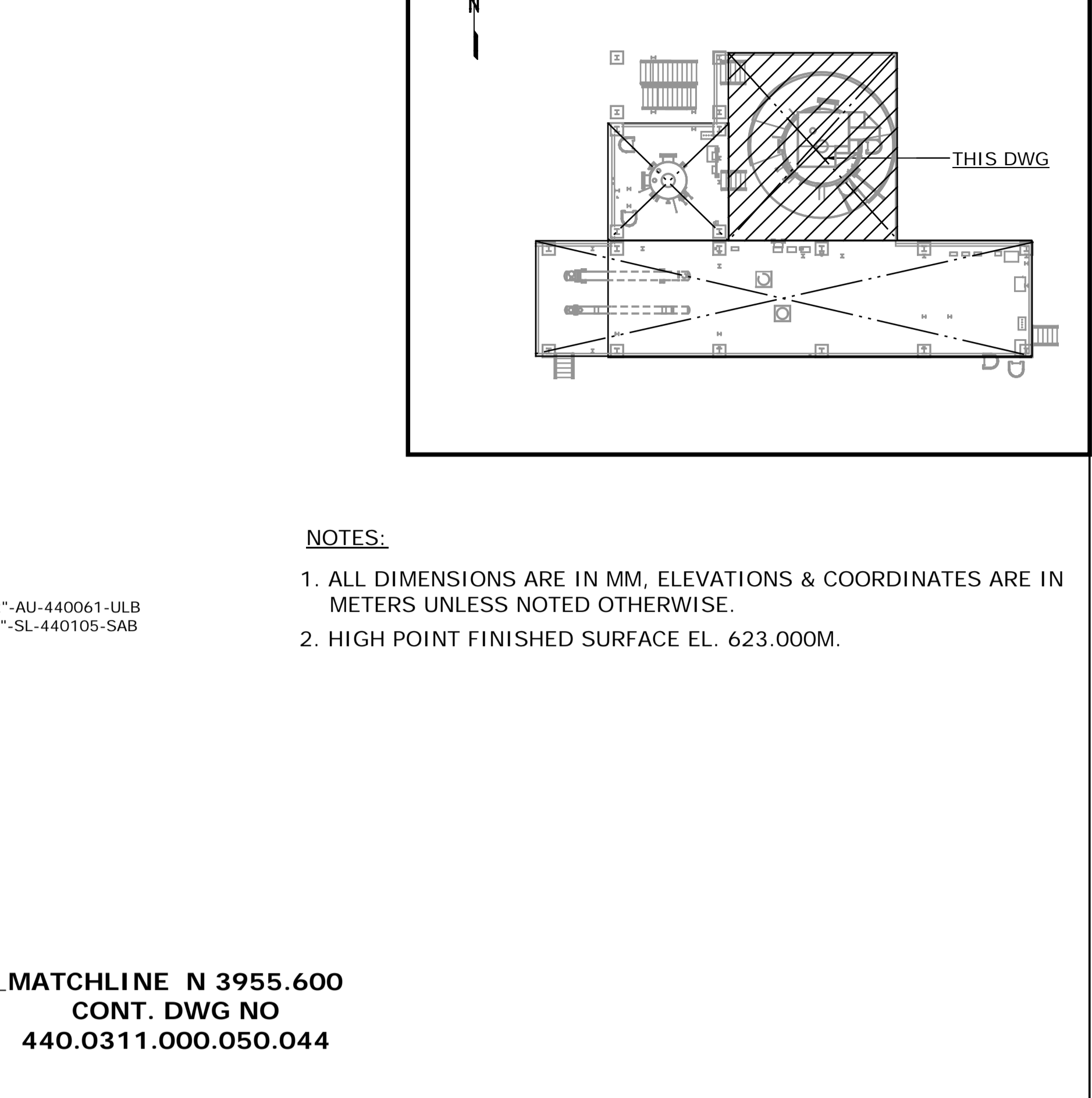
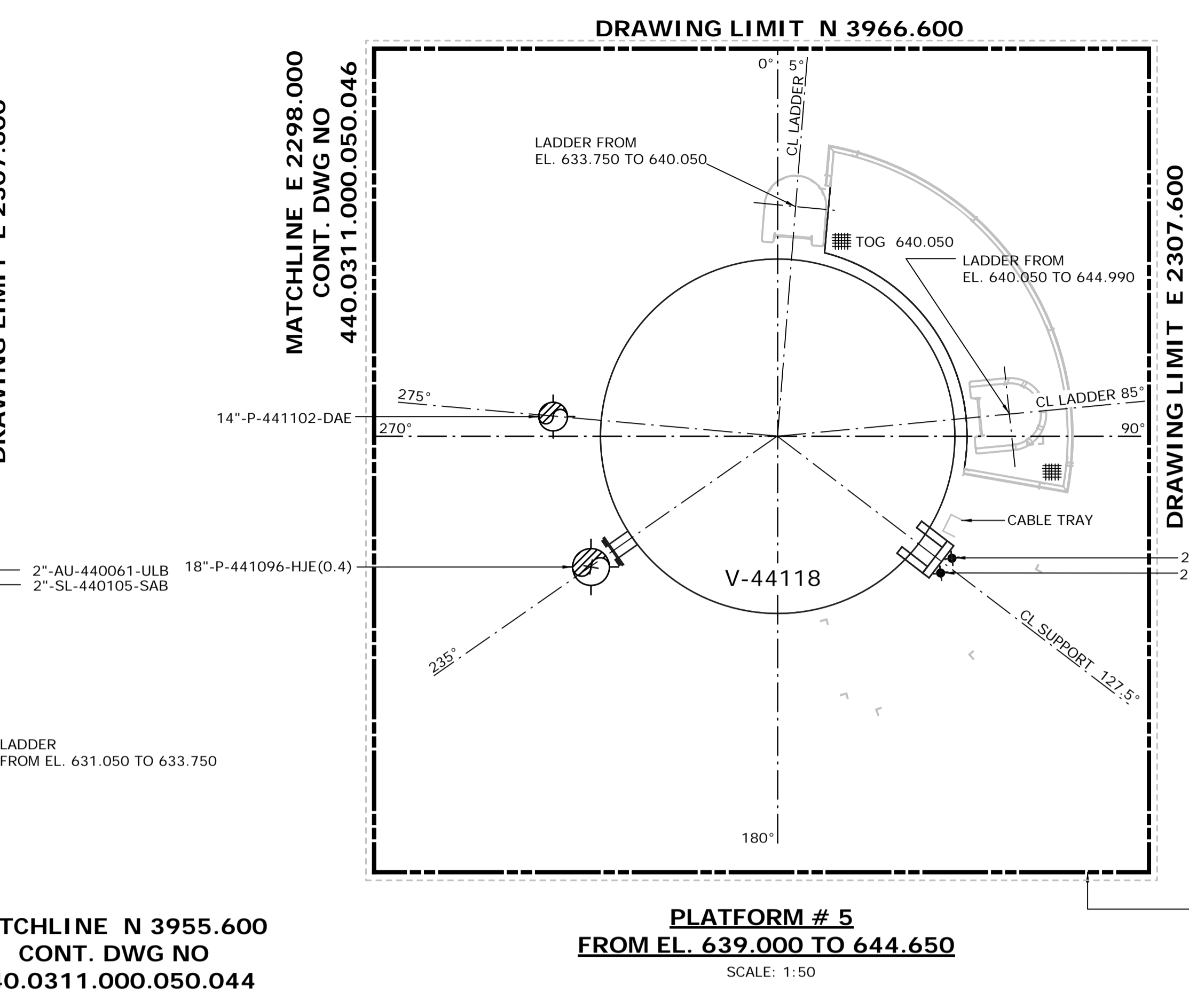
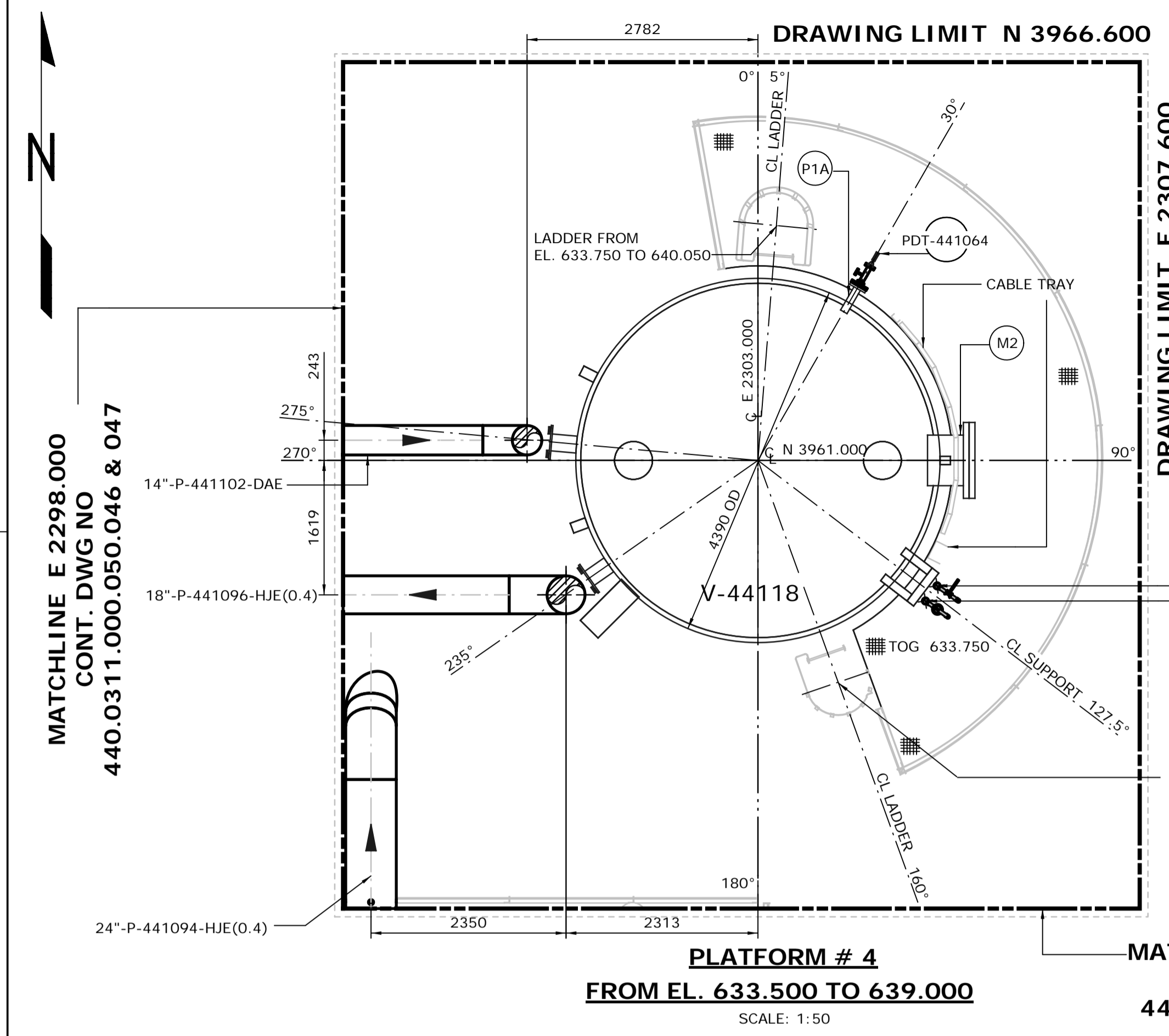


MATCHLINE E 2298.000
CONT. DWG. NO
440.0311.000.050.046
DRAWING LIMIT E 2307.600
MATCHLINE N 3955.600
CONT. DWG. NO
440.0311.000.050.044
PLATFORM # 2
FROM EL. 630.700 TO 631.500
SCALE: 1:50

MATCHLINE E 2298.000
CONT. DWG. NO
440.0311.000.050.046
PLATFORM # 3
FROM EL. 631.500 TO 633.500
SCALE: 1:50
DRAWING LIMIT E 2307.600
MATCHLINE N 3955.600
CONT. DWG. NO
440.0311.000.050.044

ISSUED FOR CONSTRUCTION
19 Feb 2013

| | | | | | | | | | | |
|--|------|----------|----------------------|--------|------|-------|--------|------------------------|---|-------------------------|
| | | | | | | | | DATE 13/02/06 | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT: ABGT |
| | | | | | | | | DRAWN PS | | |
| | | | | | | | | CHECKED DK | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN DRESSED VESSEL 4330AAV PLAN FROM EL. 623.000 TO 633.500 | |
| | | | | | | | | LEAD BH | | |
| | | | | | | | | APPROVED N/A | | |
| | | | | | | | | CLIENT APPROVED N/A | | |
| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | SCALE 1: 50 | SHELL DRAWING NUMBER 440.0311.000.050.049 | REV. 1 |
| REFERENCE DRAWINGS | | | | | | | | PERMIT STAMP | ENGINEER STAMP | |
| 440.0000.000.076.007 HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLANS | | | | | | | | | | |
| 440.0000.000.044.001 PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 | | | | | | | | | | |
| 440.0000.000.076.005 MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | | | | | | | | | | |



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 - HIGH POINT FINISHED SURFACE EL. 623.000M.

ISSUED FOR CONSTRUCTION
19 Feb 2013

| NO. | DATE | DRAWN BY | REVISION DESCRIPTION | CHECK. | LEAD | APPR. | CLIENT | REFERENCE DRAWINGS | PERMIT STAMP | ENGINEER STAMP |
|-----|----------|----------|-------------------------|--------|------|-------|--------|--|--------------|----------------|
| 1 | 13/02/06 | PS | ISSUED FOR CONSTRUCTION | DK | BH | N/A | N/A | 440.0000.000.076.007 HMU 3 UNIT 440,441 & 443 ABOVE GROUND PIPING KEY PLAN INDEX TO PIPING PLAN 440.0000.000.044.001 PLOTPLAN HYDROGEN MANUFACTURING UNIT 440, 441 & 443 440.0000.000.076.005 MODULE INDEX CO2 CAPTURE SCOPE HMU3 OVERALL PLOTPLAN | | |

| | | |
|------------------------|--|-------------------------|
| DATE 13/02/06 | SHELL CANADA QUEST CCS PROJECT | FLUOR CONTRACT: ABGT |
| DRAWN VT | | |
| CHECKED DK | HYDROGEN MANUFACTURING UNIT ABOVE GROUND PIPING PLAN DRESSED VESSEL 4330AAV PLAN FROM EL. 633.500 ABOVE | |
| LEAD BH | | |
| APPROVED N/A | | |
| CLIENT APPROVED N/A | | |
| SCALE 1: 50 | SHELL DRAWING NUMBER 440.0311.000.050.050 | REV. 1 |