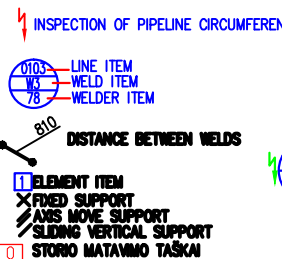
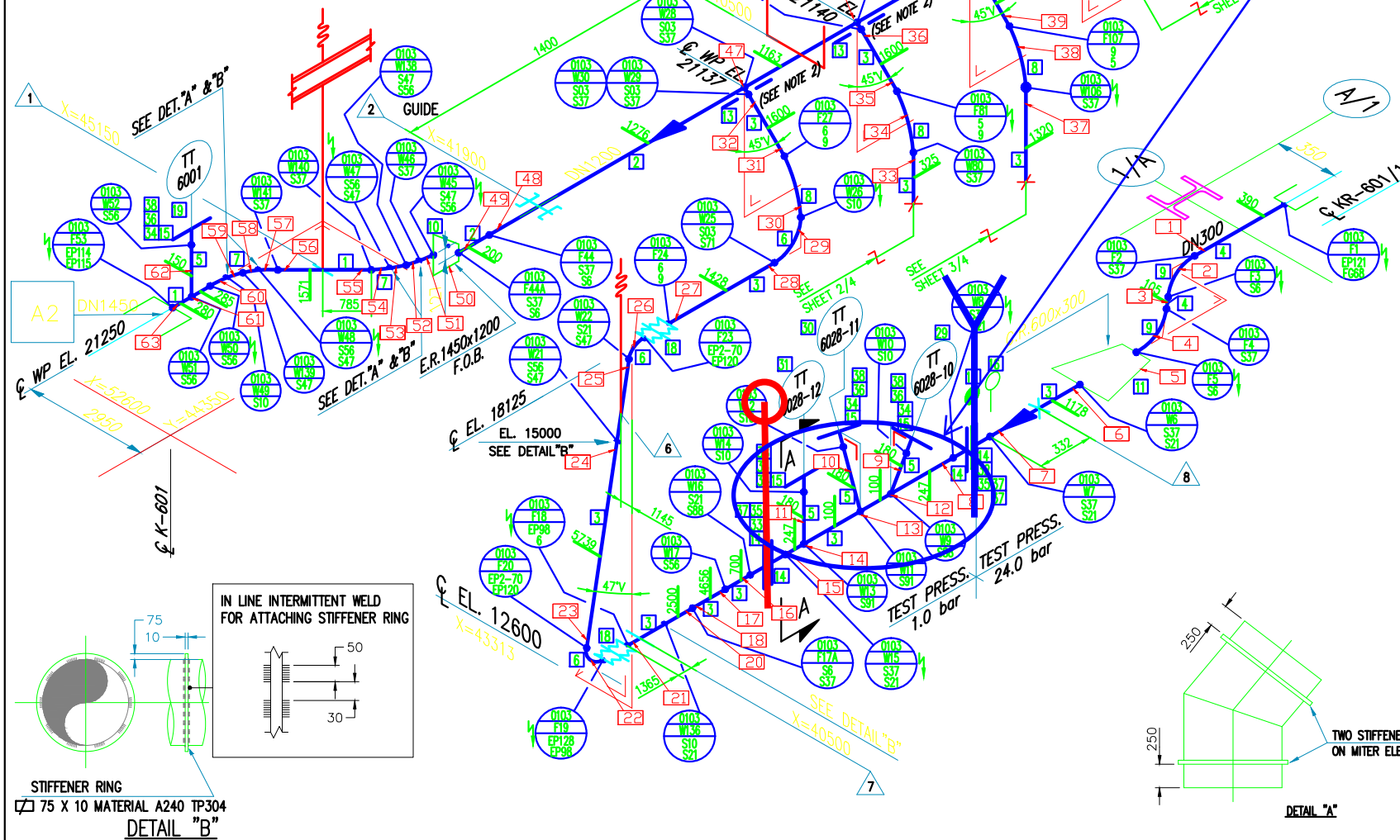


SECTION "A-A"



Mechaninių darbų rangovas demontuoja mėlynų apskritimų pažymėtas vamzdinių atkarpas ir sumontuoja akles. Plovimo rangovas susimontuoja įrangą plovimo darbams mėlyna strėle pažymėtose vietose. / The mechanical contractor dismantles the pipeline sections marked with a blue circle and installs the blinds. The washing contractor assembles the equipment for washing work in the areas marked with a blue arrow.

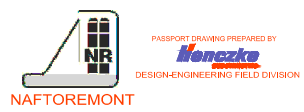


|   |                    |   |
|---|--------------------|---|
| 3 | SPS-0A5-006        | 1 |
| 4 | SPS-0A5-007        | 1 |
| 5 | 48"-B.S-251-500-SS | 1 |
|   | SPS-0A5-008        | 1 |
|   | 14"-M.PL1          | 2 |
|   | M.RB-1-450         | 2 |
|   | S.S87-H360         | 1 |
| 6 | SPS-0A5-009        | 1 |
|   | SH-VAC-23          | 1 |
| 7 | SPS-0A5-010        | 1 |
| 8 | SPS-0A5-011        | 1 |

FOLLOWING NOTES APPLY TO ISO ONLY WHEN  
☐ CHEMICAL CLEANING  
☐ P. W. H. T.  
☐ GUSSETING  
☐ DEGREASING  
☐ SAFETY SHIELD  
☐ WET H<sub>2</sub>S

| QUALITY LEVEL | VT  | RT/UT | WT/PT |
|---------------|-----|-------|-------|
| B             | 100 | 5     | 1     |

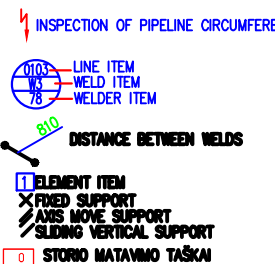
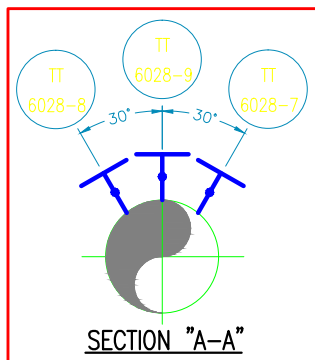
NOTE  
1. FOR NDT SEE ALSO FWI PIPING MATERIAL JOB SPEC. BD0314A-50A10 TABLE AT PAGE 7.  
2. REINFORCING PAD FROM PIPE DN1200 THK. 24mm



| LEGEND |                  |
|--------|------------------|
|        | TIE-IN           |
|        | NEW LINE         |
|        | EXISTING LINE    |
|        | DISMANTLING LINE |
|        | REUSED LINE      |

|                    |
|--------------------|
| REVAMP VACUUM UNIT |
| MZK000A5           |

| SIZE | LINE N°.   | SPEC. | TURN. SYS | OPER. TEMP. | DES. TEMP. | DES. PRES. | TEST PRES. | TYPE INSULATION | THK | REV | DATE     | REVISION DESCRIPTION             | DRAW | CHK  | SUPP | PIPING | STRESS | MTD  | APPROVED FOR CONSTRUCTION | FWI CONTRACT: 1-BD-0314A | SUBPROJECT CODE: MZK000A5 | MATERIAL TYPE: S.S. | SHEET 01 | SHEETS 04 | N° BD0314A--57-0103-602/1 | REV. 0 |
|------|------------|-------|-----------|-------------|------------|------------|------------|-----------------|-----|-----|----------|----------------------------------|------|------|------|--------|--------|------|---------------------------|--------------------------|---------------------------|---------------------|----------|-----------|---------------------------|--------|
| 1450 | P-0A500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.0      | HC              | 180 | 0   | 02-2008  | AS BUILT. FOR PASSPORT DOC. ONLY | P.P. | D.K. |      |        |        |      |                           |                          |                           |                     |          |           |                           |        |
| 1200 | P-0A500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.0      | HC              | 180 | S04 | 02-10-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.G. |                           |                          |                           |                     |          |           |                           |        |
| 600  | P-0A500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.0      | HC              | 150 | S03 | 03-08-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |                           |                          |                           |                     |          |           |                           |        |
| 300  | P-0A500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.0      | HC              | 150 | S02 | 18-07-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |                           |                          |                           |                     |          |           |                           |        |
|      |            |       |           |             |            |            |            |                 |     | S01 | 05-07-07 | ISSUED FOR CONSTRUCTION          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |                           |                          |                           |                     |          |           |                           |        |



Mechaninių darbų rangovas demontuoja mėlyną apskritimą pažymėtas vamzdinių atkarpas ir sumontuoja akles. Plovimo rangovas susimontuoja įrangą plovimo darbams mėlyna strėle pažymėtose vietose. / The mechanical contractor dismantles the pipeline sections marked with a blue circle and installs the blinds. The washing contractor assembles the equipment for washing work in the areas marked with a blue arrow.

FOLLOWING NOTES APPLY TO ISO ONLY WHEN ☐  
☐ CHEMICAL CLEANING ☐ DEGREASING  
☐ P. W. H. T. ☐ SAFETY SHIELD  
☐ GUSSETING ☐ WET H<sub>2</sub>S

| QUALITY LEVEL | VT  | RT/UT | MT/PT      |
|---------------|-----|-------|------------|
| B             | 100 | 5     | SEE NOTE 1 |

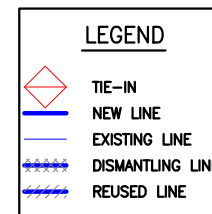
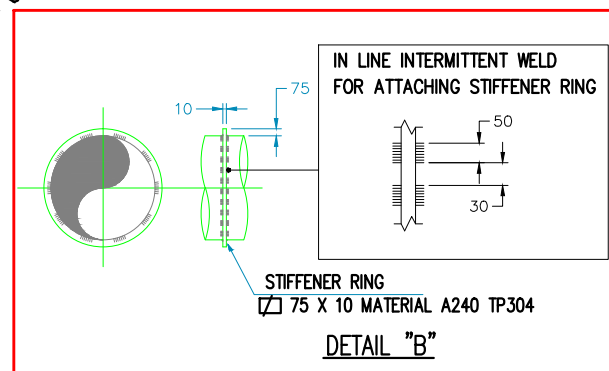
NOTE  
1. FOR NDT SEE ALSO FWI PIPING MATERIAL JOB SPEC. BD0314A-50A10 TABLE AT PAGE 7.



NAFTOREMONT

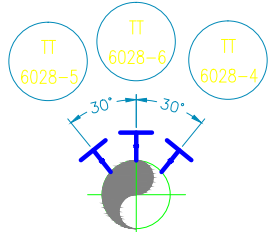
PASSPORT DRAWING PREPARED BY  
**Monczka**  
DESIGN-ENGINEERING FIELD DIVISION

TEST PRESS. TEST PRESS.  
1.0 bar 24.0 bar



REVAMP VACUUM UNIT  
MZK000A5

| SIZE | LINE N°    | SPEC. | TURN. SYS. | OPER. TEMP. | DES. TEMP. | DES. PRES. | TEST PRES. | TYPE | THK | INSULATION | REV | DATE     | REVISION DESCRIPTION             | DRAW | CHK  | SUPP | PIPING | STRESS | MTO  | APPROVAL | FWI CONTRACT: 1-BD-0314A | SUBPROJECT CODE: MZK000A5 | MATERIAL TYPE: S.S. | SHEET 02 | SHEETS 04 | N° BD0314A-57-0103-602/1 | REV. 0 |
|------|------------|-------|------------|-------------|------------|------------|------------|------|-----|------------|-----|----------|----------------------------------|------|------|------|--------|--------|------|----------|--------------------------|---------------------------|---------------------|----------|-----------|--------------------------|--------|
| 600  | P-0A500103 | AK51  | /          | 406         | 430        | 0.5        | W-1        | HC   | 150 |            | 0   | 02-2008  | AS BUILT. FOR PASSPORT DOC. ONLY | P.P. | D.K. |      |        |        |      |          |                          |                           |                     |          |           |                          |        |
| 300  | P-0A500103 | AK51  | /          | 406         | 430        | 0.5        | W-1        | HC   | 150 |            | S04 | 02-10-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |          |                          |                           |                     |          |           |                          |        |
|      |            |       |            |             |            |            |            |      |     |            | S03 | 03-08-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |          |                          |                           |                     |          |           |                          |        |
|      |            |       |            |             |            |            |            |      |     |            | S02 | 18-07-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |          |                          |                           |                     |          |           |                          |        |
|      |            |       |            |             |            |            |            |      |     |            | S01 | 05-07-07 | ISSUED FOR CONSTRUCTION          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |          |                          |                           |                     |          |           |                          |        |



## INSPECTION OF PIPELINE CIRCUMFERENTIAL WELD



### DISTANCE BETWEEN WELDS

- 1 ELEMENT ITEM  
X FIXED SUPPORT  
/ AXIS MOVE SUPPORT  
/ SLIDING VERTICAL SUPPORT  
STORIO NATAVINO TASKAI

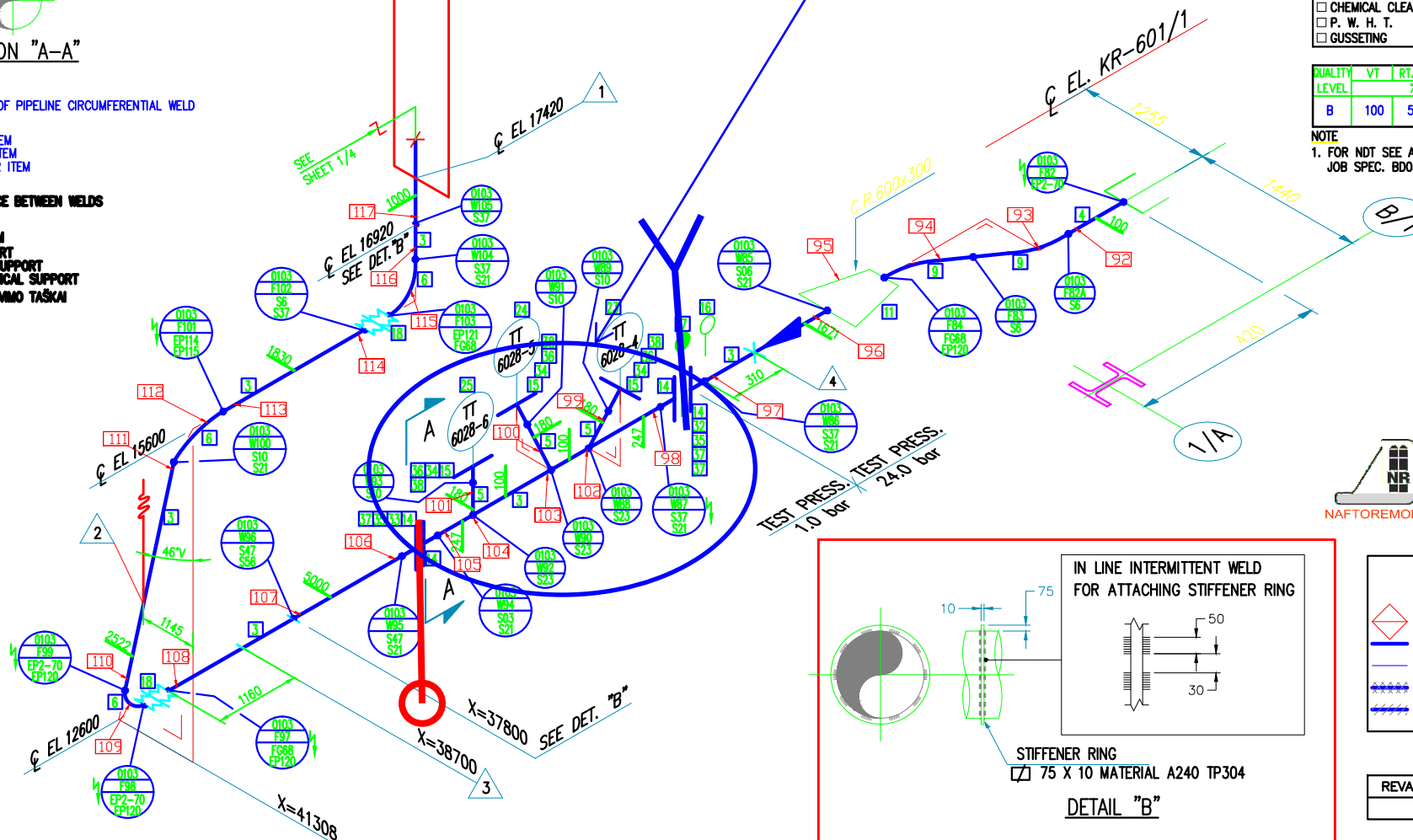
Mechaninių darbų rangovas demontuoja mėlynų apskritimu pažymėtas vamzdinių atkarpas ir sumontuoja akles. Plovimo rangovas susimontuoja įrangą plovimo darbams mėlyna strėle pažymėtose vietose. / The mechanical contractor dismantles the pipeline sections marked with a blue circle and installs the blinds. The washing contractor assembles the equipment for washing work in the areas marked with a blue arrow.

|                                                                                                                                                                                                                                                                                             |             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|
| 4                                                                                                                                                                                                                                                                                           | SFS-04S-017 |  |
|                                                                                                                                                                                                                                                                                             |             |  |
|                                                                                                                                                                                                                                                                                             |             |  |
|                                                                                                                                                                                                                                                                                             |             |  |
| FOLLOWING NOTES APPLY TO ISO ONLY WHEN<br><input type="checkbox"/> CHEMICAL CLEANING <input type="checkbox"/> DEGREASING<br><input type="checkbox"/> P. W. H. T. <input type="checkbox"/> SAFETY SHIELD<br><input type="checkbox"/> GUSSETING <input type="checkbox"/> WET H <sub>2</sub> S |             |  |

|                  |     |       |             |
|------------------|-----|-------|-------------|
| QUALITY<br>LEVEL | VT  | RT/UT | NT/P        |
|                  | %   |       |             |
| B                | 100 | 5     | SEE<br>NOTE |

**NOTE**

1. FOR NDT SEE ALSO FWI PIPING MATERIAL  
JOB SPEC. BD0314A-50A10 TABLE AT PAGE 7.



### LEGEND

- |                                                                                       |                  |
|---------------------------------------------------------------------------------------|------------------|
|  | TIE-IN           |
|  | NEW LINE         |
|  | EXISTING LINE    |
|  | DISMANTLING LINE |
|  | REUSED LINE      |

|                  |
|------------------|
| REVAMP VACUUM UN |
| M7K000A5         |

[illegible]



ORIENTATION  
SYMBOL

## ⚡ INSPECTION OF PIPELINE CIRCUMFERENTIAL WELD



### DISTANCE BETWEEN WELDS

1 ELEMENT ITEM  
 X FIXED SUPPORT  
 / AXIS MOVE SUPPORT  
 / SLIDING VERTICAL SUPPORT  
 0 STORY MATAYIMO TASHAI

Mechaninių darbų rangovas demontuoja mėlynų apskritimu pažymėtas vamzdinių atkarpas ir sumontuoja akles. Plovimo rangovas susimontuoja įrangą plovimo darbams mėlyna strėle pažymėtose vietose. / The mechanical contractor dismantles the pipeline sections marked with a blue circle and installs the blinds. The washing contractor assembles the equipment for washing work in the areas marked with a blue arrow.

gap 15mm

ELEVATION VIEW

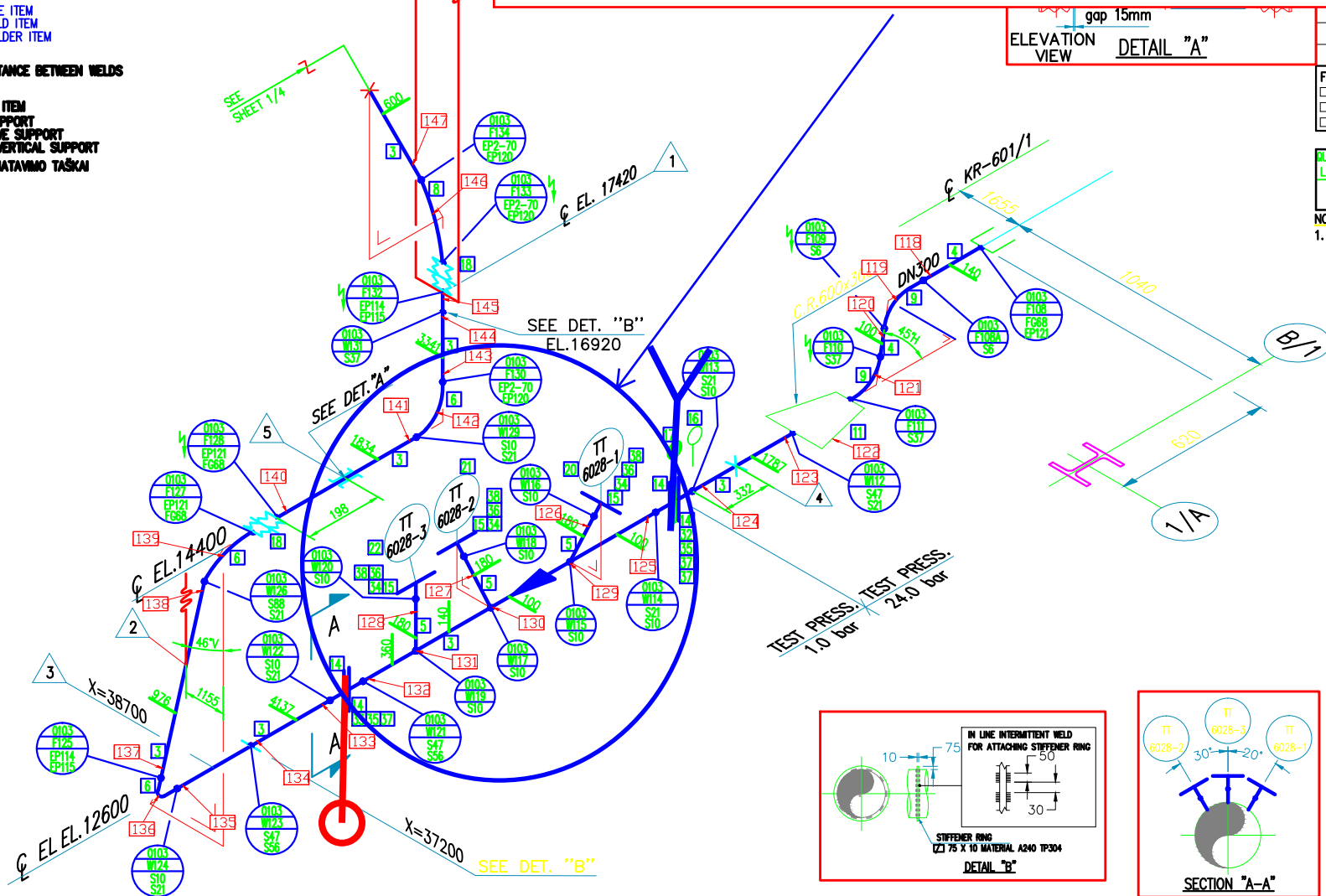
DETAIL "A"

|                                                                                  |                       |   |
|----------------------------------------------------------------------------------|-----------------------|---|
| 5                                                                                | 24"-10"-M.IR-8-575-SS | 1 |
|                                                                                  | 10"-M.PL1             | 2 |
|                                                                                  | S.S84-HB220           | 2 |
| FOLLOWING NOTES APPLY TO ISO ONLY WHEN <input type="checkbox"/>                  |                       |   |
| <input type="checkbox"/> CHEMICAL CLEANING <input type="checkbox"/> DEGREASING   |                       |   |
| <input type="checkbox"/> P. W. H. T. <input type="checkbox"/> SAFETY SHIELD      |                       |   |
| <input type="checkbox"/> GUSSETING <input type="checkbox"/> WET H <sub>2</sub> S |                       |   |

|                  |     |       |               |
|------------------|-----|-------|---------------|
| QUALITY<br>LEVEL | VT  | RT/UT | MT/PT         |
|                  | %   |       |               |
| B                | 100 | 5     | SEE<br>NOTE 1 |

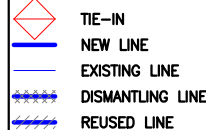
**NOTE**

1. FOR NDT SEE ALSO FWI PIPING MATERIAL  
JOB SPEC. BD0314A-50A10 TABLE AT PAGE 7.




 PASSPORT DRAWING PREPARED BY  
**henczke**  
 DESIGN-ENGINEERING FIELD DIVISION

## LEGEND



|                    |
|--------------------|
| REVAMP VACUUM UNIT |
| MZK000A5           |

|      |            |       |           |             |            |            |            |      |                |     |          |                                  |      |      |      |        |        |      |  |                           |                           |                          |  |    |                       |
|------|------------|-------|-----------|-------------|------------|------------|------------|------|----------------|-----|----------|----------------------------------|------|------|------|--------|--------|------|--|---------------------------|---------------------------|--------------------------|--|----|-----------------------|
|      |            |       |           |             |            |            |            |      |                | 0   | 02-2008  | AS BUILT. FOR PASSPORT DOC. ONLY | P.P. | D.K. |      |        |        |      |  | APPROVED FOR CONSTRUCTION | FWI CONTRACT: 1-BD-0314A  |                          |  |    |                       |
|      |            |       |           |             |            |            |            |      |                | S04 | 02-10-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.G. |  |                           | SUBPROJECT CODE: MZK000A5 |                          |  |    |                       |
|      |            |       |           |             |            |            |            |      |                | S03 | 03-08-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |  |                           | MATERIAL TYPE: S.S.       | MAZEKIY NAFTA            |  |    |                       |
| 600  | P-OA500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.00     | HC   | 150            | S02 | 24-07-07 | REVISED WHERE INDICATED          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |  |                           |                           | KT MODERNIZATION PROGRAM |  |    |                       |
| 300  | P-OA500103 | AK51  | /         | 406         | 430        | 0.5        | W-1.00     | HC   | 150            | S01 | 05-07-07 | ISSUED FOR CONSTRUCTION          | M.D. | G.C. | D.M. | C.E.   | D.M.   | B.C. |  |                           |                           |                          |  | N° | BD0314A-57-0103-602/1 |
| SIZE | LINE N°.   | SPEC. | TURN. SYS | OPER. TEMP. | DES. TEMP. | DES. PRES. | TEST PRES. | TYPE | THK INSULATION | REV | DATE     | REVISION DESCRIPTION             | DRAW | CHKC | SUPP | PIPING | STRESS | MTO  |  |                           |                           |                          |  |    |                       |