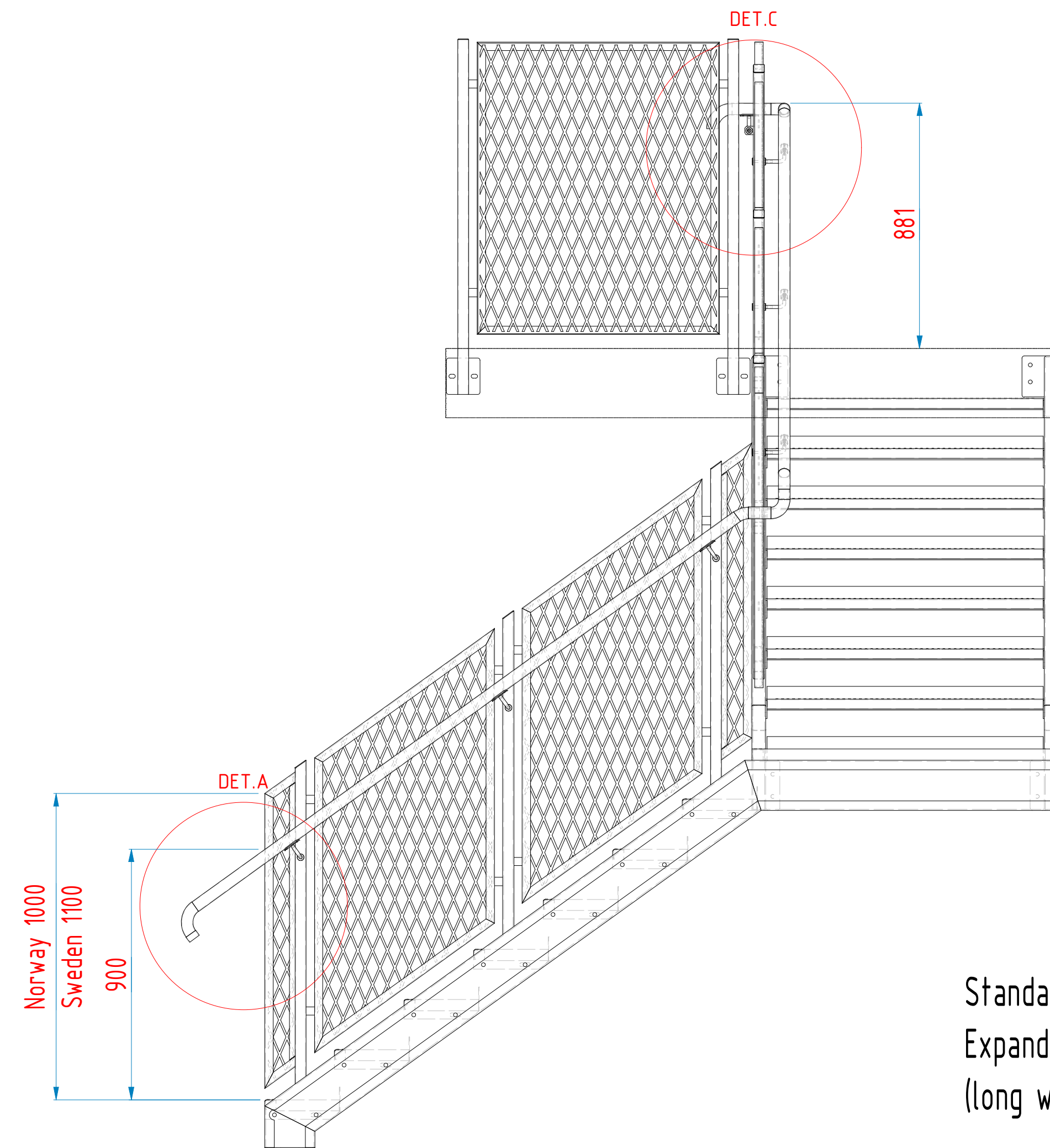
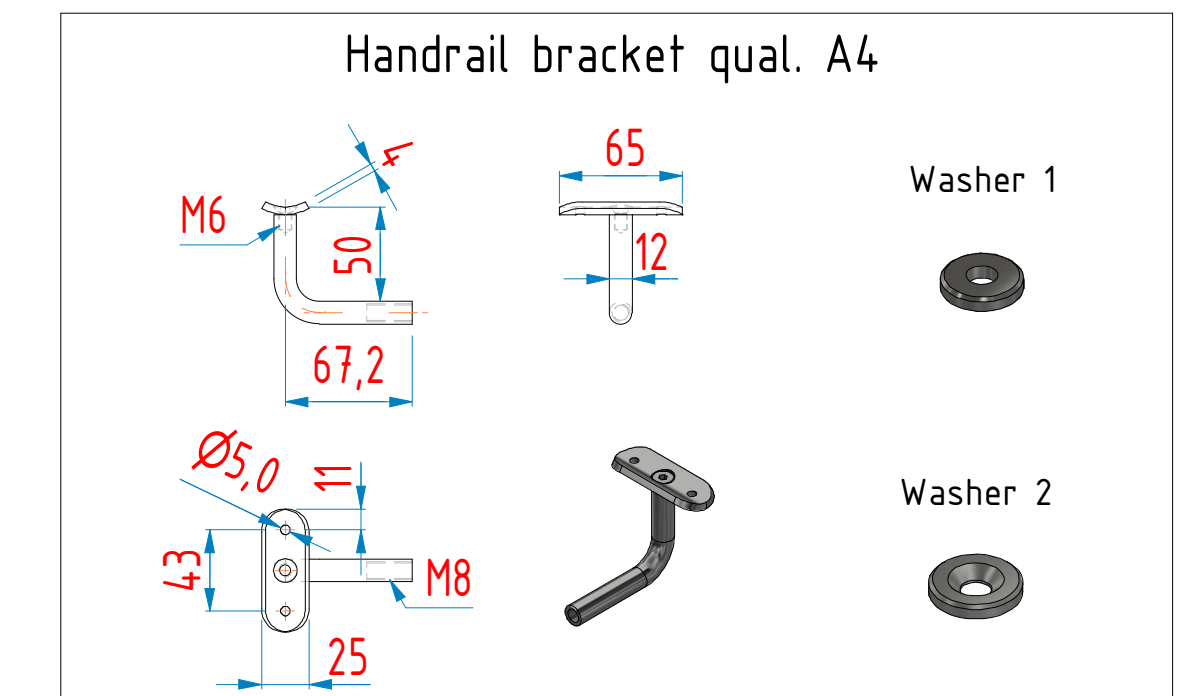
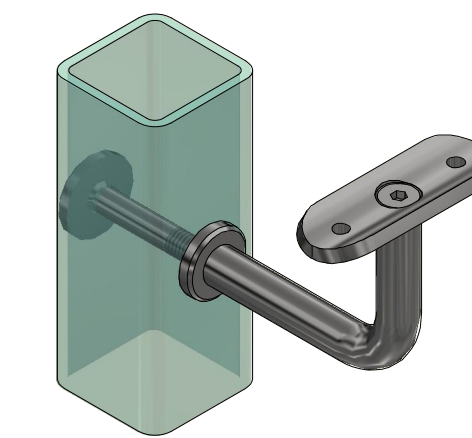
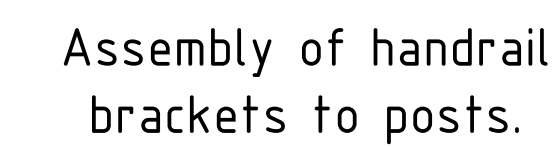
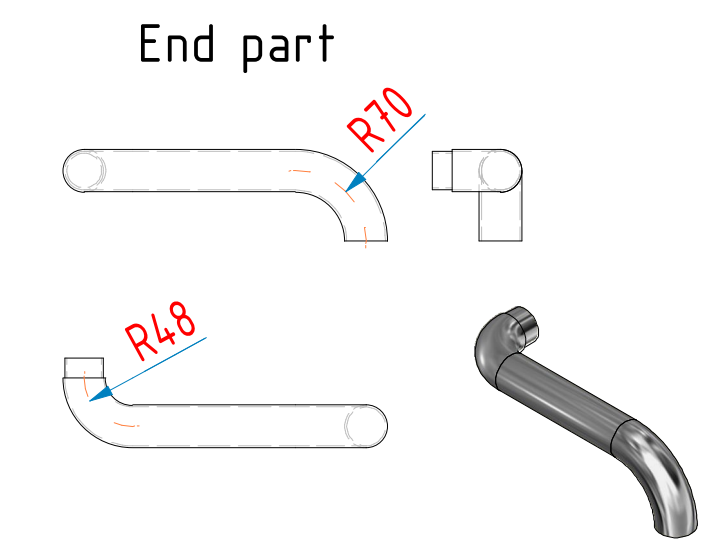
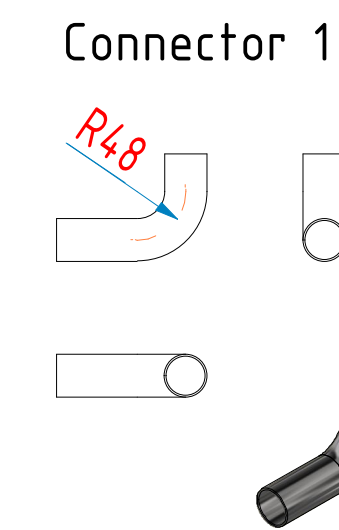
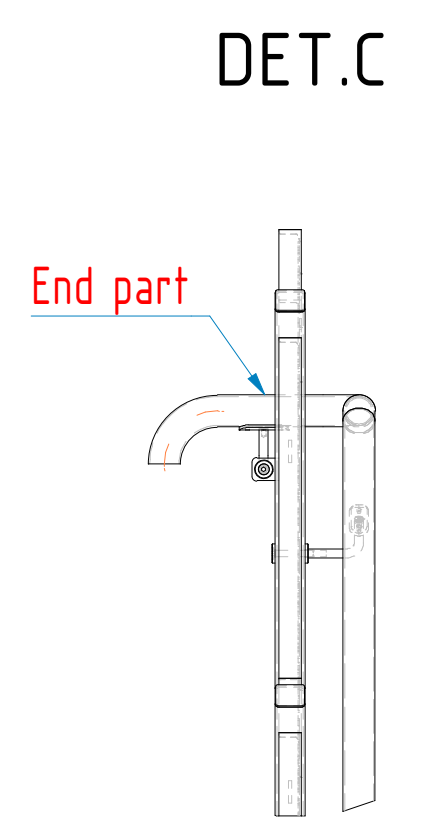
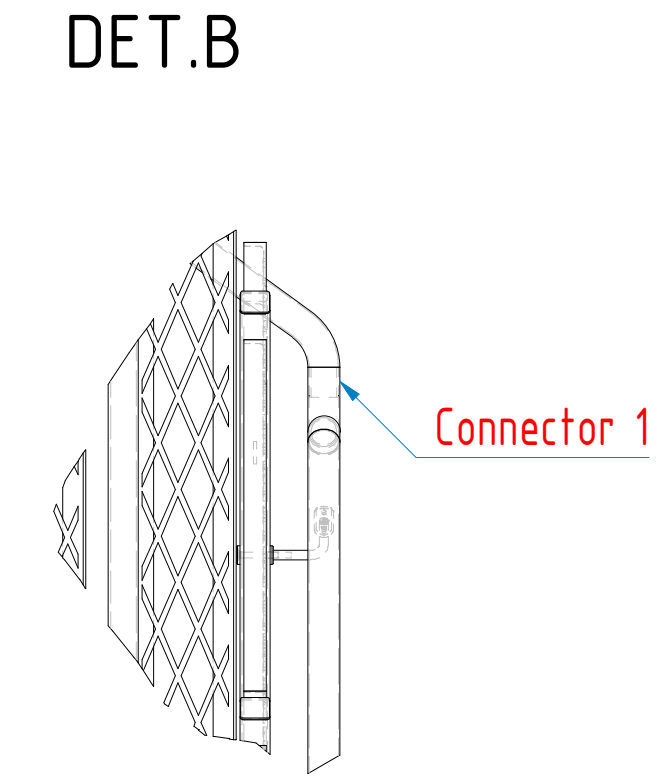
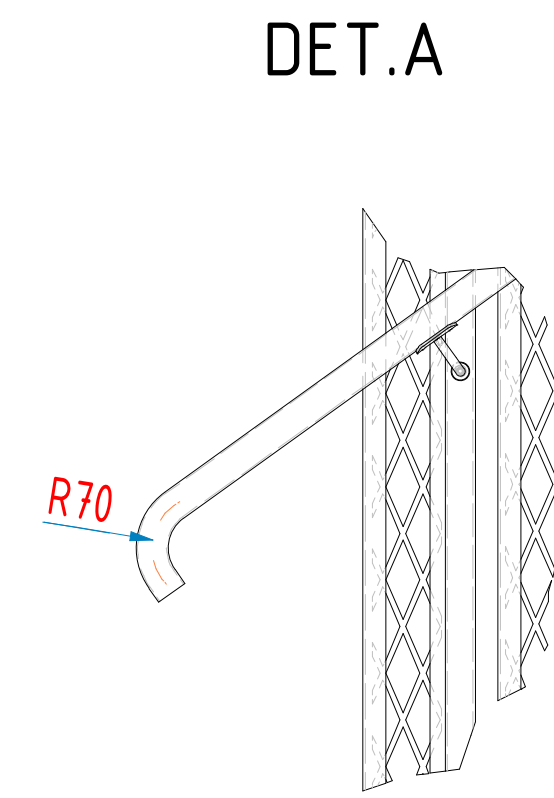
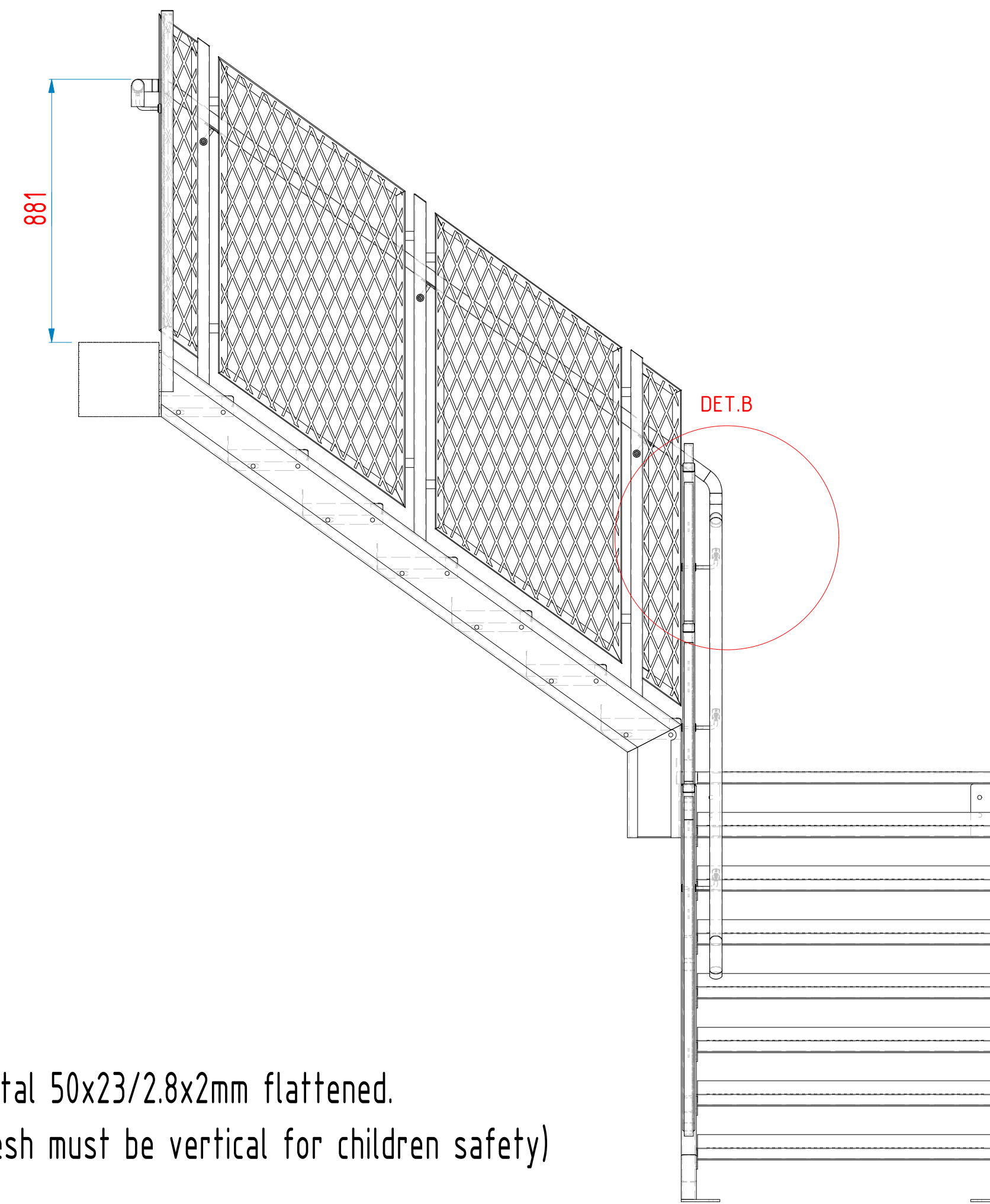


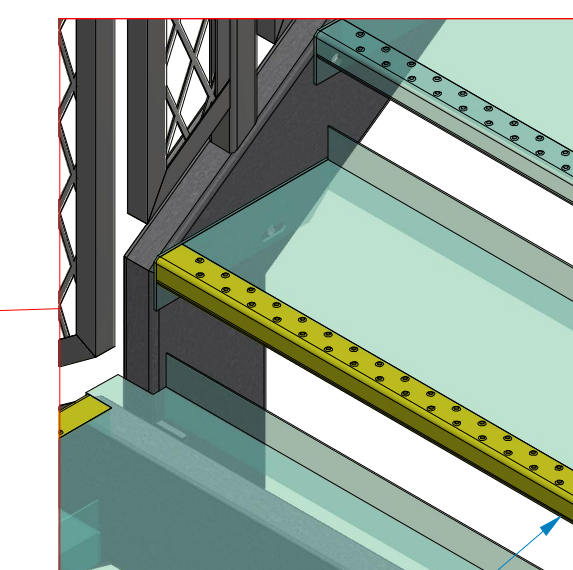
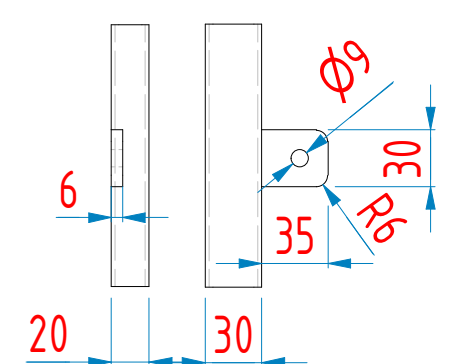
Varia X stair-L single.idw



Standard:  
Expanded metal 50x23/2.8x2mm flattened.  
(long way mesh must be vertical for children safety)



connection to  
handrail bracket end part



## Contrast marking

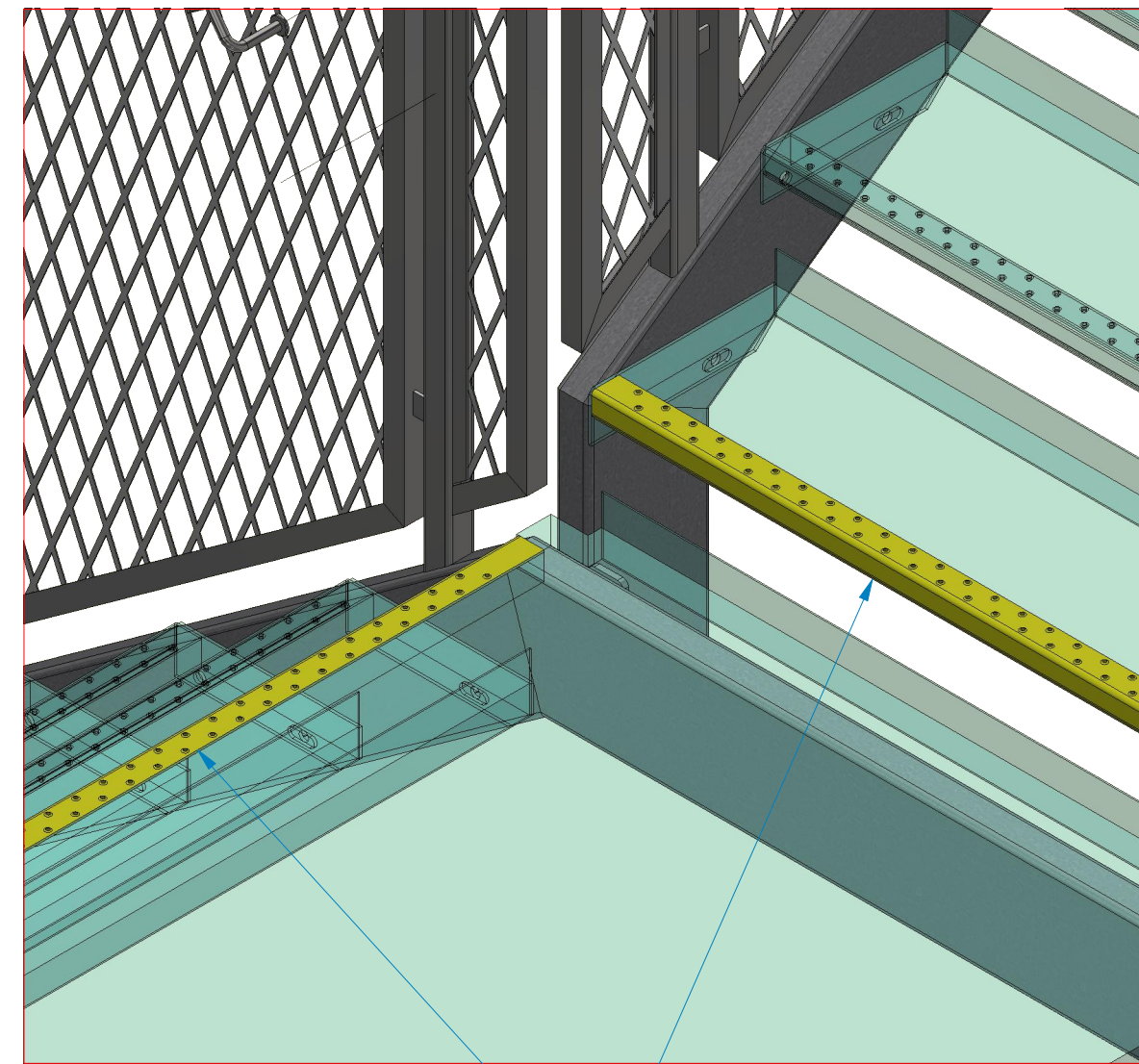
|                                                                              |                         |                                                                                              |                     |                      |                       |                       |            |          |                                |
|------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------|---------------------|----------------------|-----------------------|-----------------------|------------|----------|--------------------------------|
| Comments                                                                     | EN-EN 1990<br>EXC 2, CE | General tolerances regarding the construction welded according to NS/SS-EN ISO 19920 class B |                     |                      |                       |                       |            | Material |                                |
|                                                                              |                         | Above 30<br>to 125                                                                           | Above 125<br>to 500 | Above 500<br>to 1000 | Above 1000<br>to 2000 | Above 2000<br>to 4000 | Above 4000 |          |                                |
|                                                                              |                         |                                                                                              |                     |                      |                       |                       |            |          |                                |
| 1. All indeterminate welds: T-welds as fillet welds $a \geq 3$               |                         |                                                                                              |                     |                      |                       |                       |            |          | Steel S235JR<br>NS/SS-EN 10025 |
| 2. Connection of elements as $\alpha\alpha$ butt welds with full penetration |                         |                                                                                              |                     |                      |                       |                       |            |          |                                |
| 3. With hot-dip galvanized components, welds should be closed.               |                         |                                                                                              |                     |                      |                       |                       |            |          |                                |

| (*) only for powdercoated stairs |                    |           |         |
|----------------------------------|--------------------|-----------|---------|
| Fixing Elements                  | Standard           | Reference | Quality |
| Rivet 4,8x12mm                   | DIN 7337           | handrail  | A4      |
| M12 x 25 Hexagonal head bolt     | DIN 933 / ISO 4017 |           | HdG     |
| M12 hexagon nut                  | DIN 934 / ISO 4033 |           | HdG     |
| Washer for M12                   | DIN 125 / ISO 7089 |           | HdG     |
| M12 x 30 Hexagonal head bolt     | DIN 933 / ISO 4017 | (*)       | A4      |
| M12 hexagon nut                  | DIN 934 / ISO 4033 | (*)       | A4      |
| Washer for M12                   | DIN 125 / ISO 7089 | (*)       | A4      |

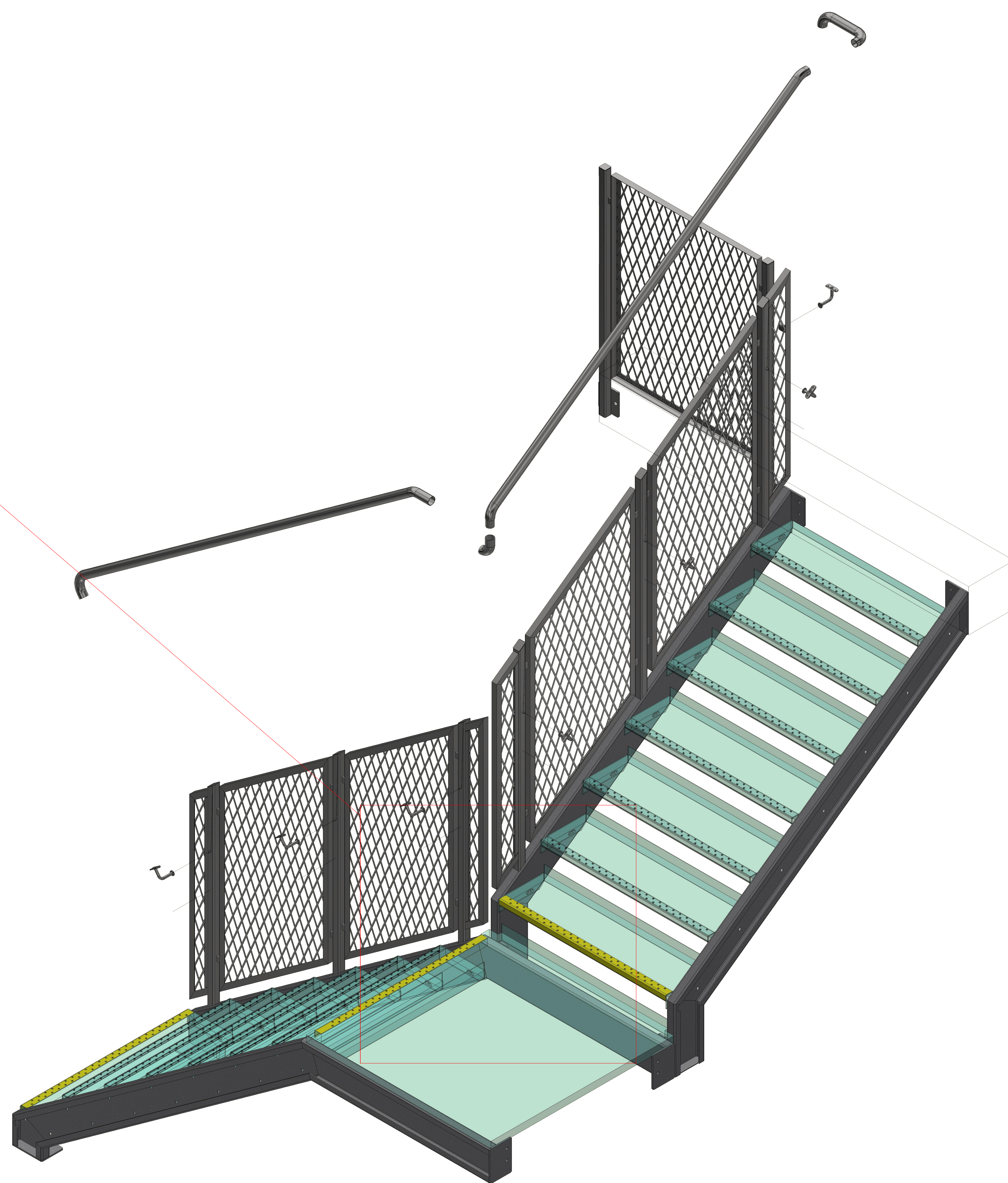
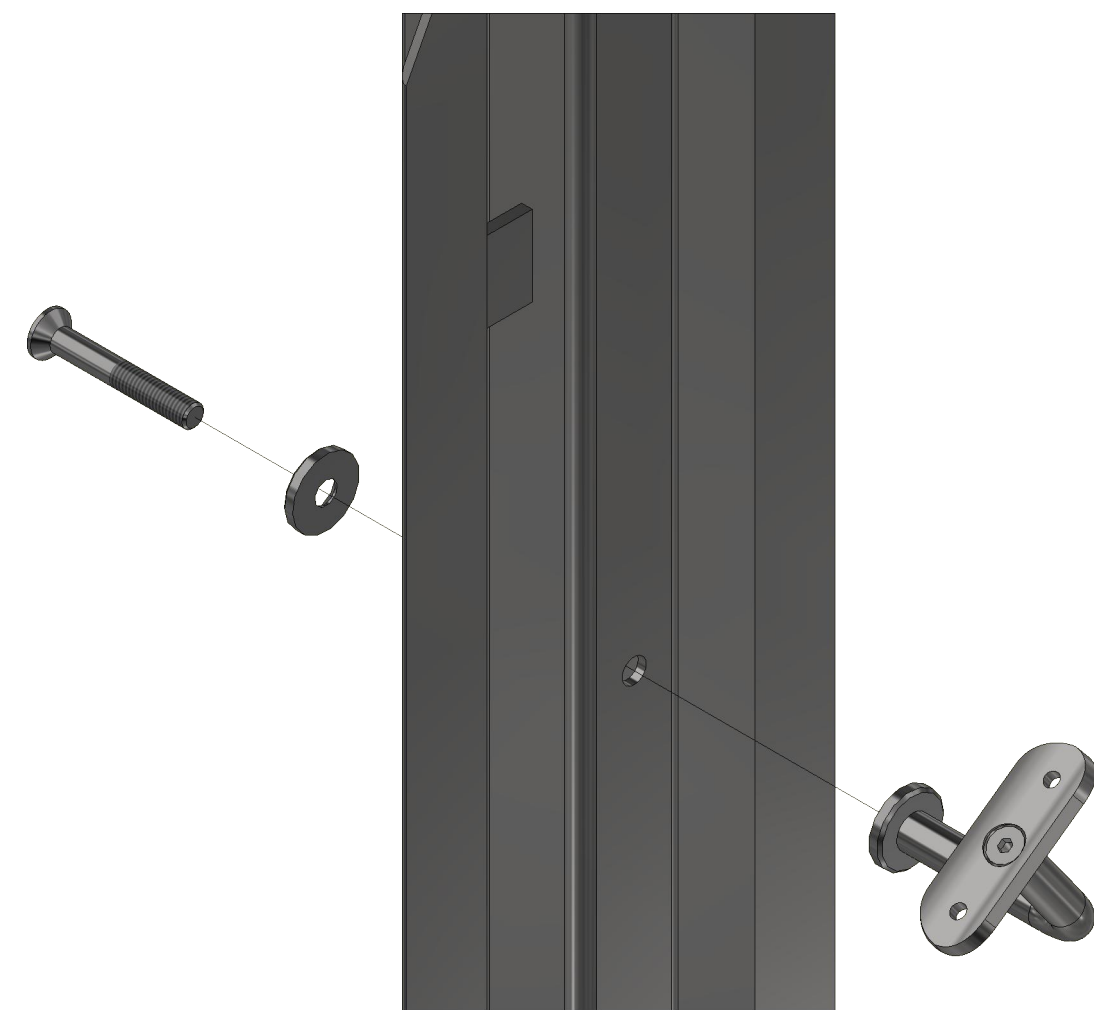
|             |                                                                                                                                                  |  |             |                             |                                                                                                                                                                                                        |  |  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Part number | <b>Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.</b>                                           |  |             |                             |                                                                                                                                                                                                        |  |  |
| Title       | <b>Handrail</b>                                                                                                                                  |  | Description | of Part Function            |                                                                                                                                                                                                        |  |  |
| Notes       |  Gen. tekniska<br>General Technical<br>EN ISO3230:1996 cl.B |  | Draw Scale  | A1                          | <br>Penter Svingen Vg 3<br>A-177 HERRN SÄVSTEN<br>Tel: 031-1037<br><a href="http://www.palco.se">www.palco.se</a> |  |  |
| Accessories | 022303-17M                                                                                                                                       |  | Pdf/Draw    |                             |                                                                                                                                                                                                        |  |  |
| Design      |                                                                                                                                                  |  | By:         | Varia X straight single uid |                                                                                                                                                                                                        |  |  |



# Assembly of Varia X stair-L single.idw



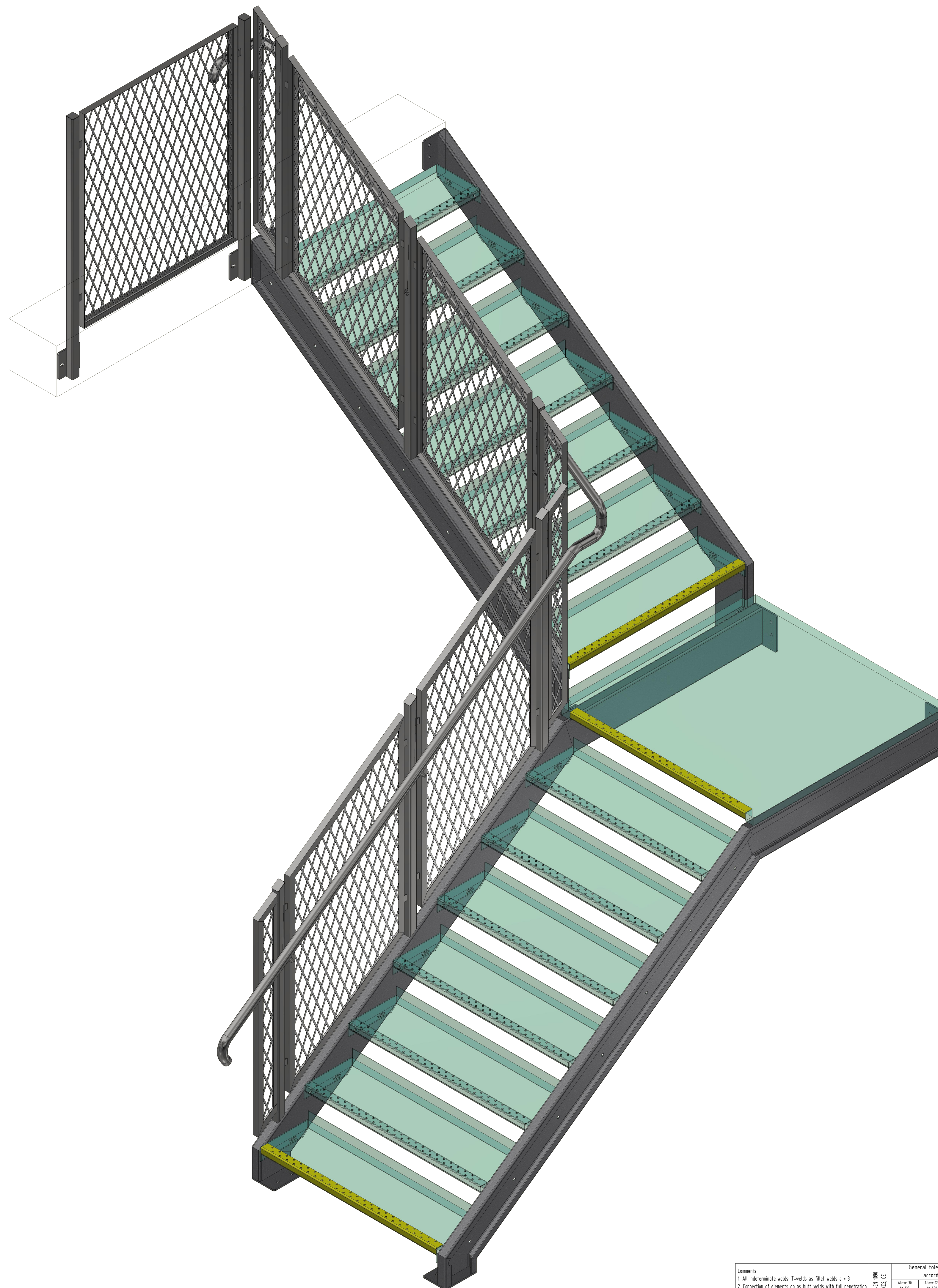
## Contrast marking



|  |  |                                                                                             |  |                                                                                               |  |
|--|--|---------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
|  |  | Material                                                                                    |  | Quantity                                                                                      |  |
|  |  | Treatment                                                                                   |  | Vi ansvaret er for trappens stabilitet ved infestingspunkter mot omkringliggende konstruksjon |  |
|  |  | Lot/ Batch                                                                                  |  |                                                                                               |  |
|  |  | Order Title                                                                                 |  |                                                                                               |  |
|  |  | General tolerances regarding the construction welded according to NS/SS-EN ISO 1920 class B |  |                                                                                               |  |
|  |  | Material                                                                                    |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  | Steel S235JR                                                                                |  |                                                                                               |  |
|  |  | NS/SS-EN 10025-2                                                                            |  |                                                                                               |  |
|  |  |                                                                                             |  |                                                                                               |  |



Varia X stair-L single.idw



|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|------------------------------------------------------------------|--|-------------------------|----------------------------------------------------------------------------------------------|----------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|----------|
| Comments                                                         |  | PÅSEN 2000<br>ISO 19200 | General tolerances regarding the construction welded according to NS/SS-EN ISO 19200 class B |                      |                        |                        |                          |                          |                          |                          |                          |  | Material |
|                                                                  |  |                         | Above 10<br>Up to 12                                                                         | Above 10<br>Up to 25 | Above 100<br>Up to 100 | Above 100<br>Up to 100 | Above 1000<br>Up to 1000 | Above 1000<br>Up to 1000 | Above 1000<br>Up to 1000 | Above 1000<br>Up to 1000 | Above 1000<br>Up to 1000 |  |          |
| 1. All intermediate welds: T-welds as fillet welds a = 3         |  |                         | a1                                                                                           | a2                   | a3                     | a4                     | a5                       | a6                       | a7                       | a8                       |                          |  |          |
| 2. Connection of elements at as butt welds with full penetration |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
| 3. With hot-dip galvanized components, welds should be closed.   |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
|                                                                  |  |                         |                                                                                              |                      |                        |                        |                          |                          |                          |                          |                          |  |          |
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