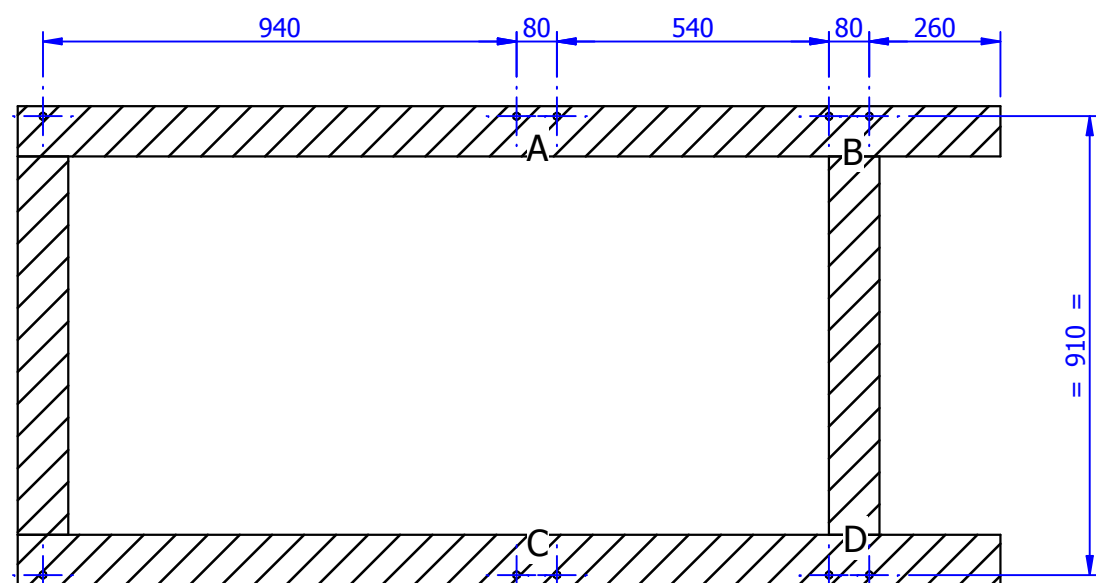
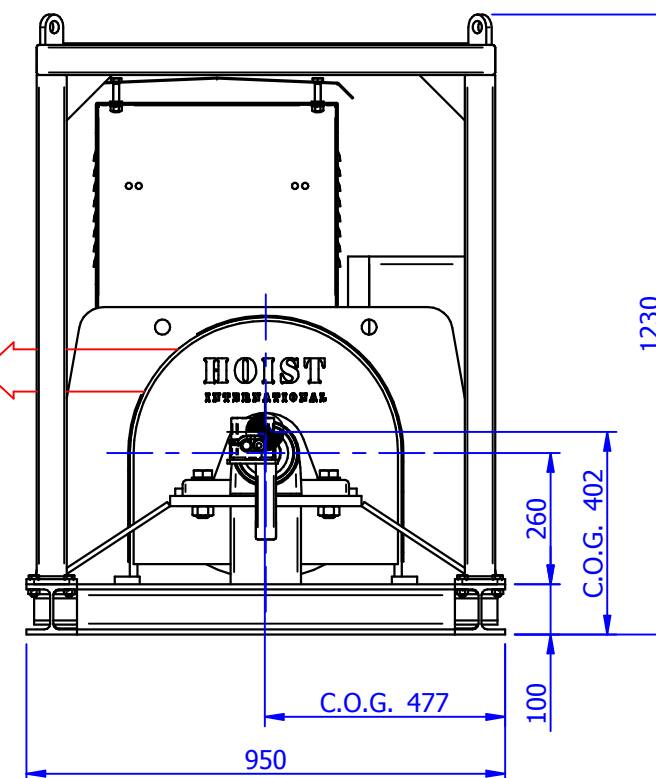
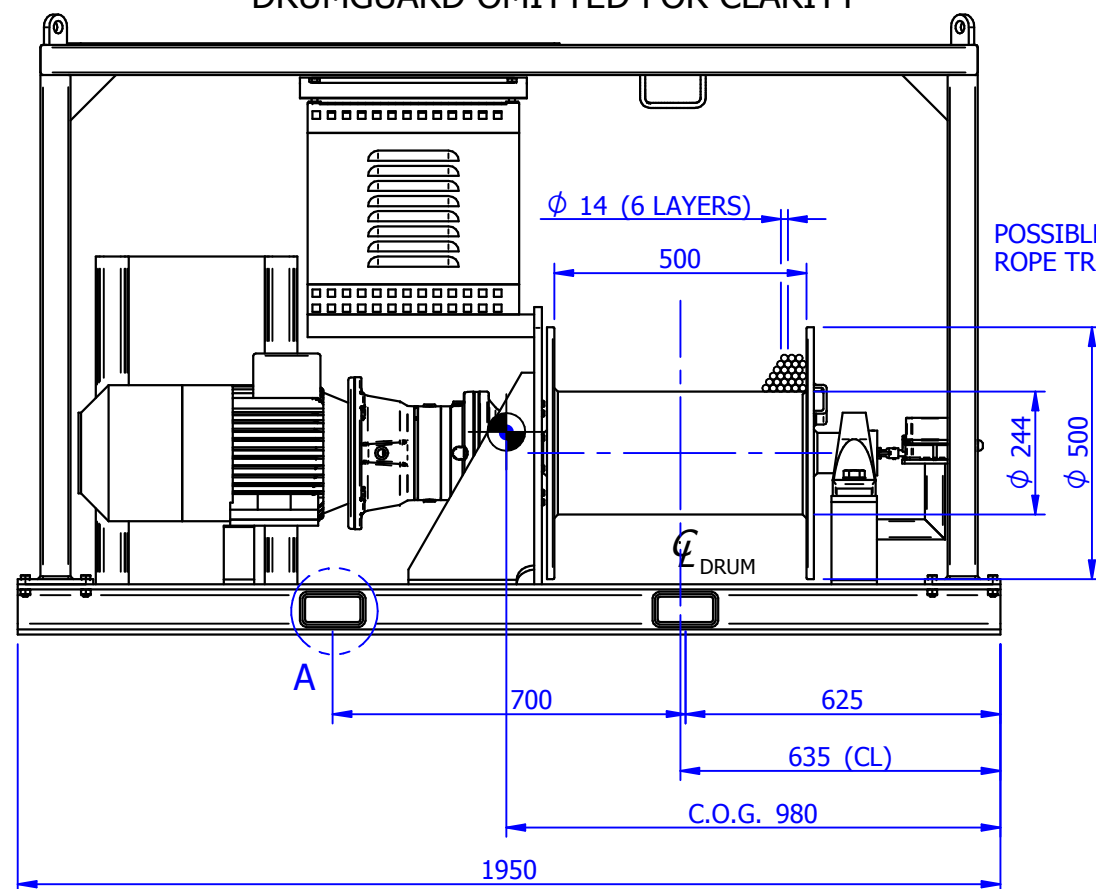


DETAIL A

PLEASE INDICATE ROPE TRAVEL,  
IF DIFFERENT FROM POSITION AS DRAWN.

DRUMGUARD OMITTED FOR CLARITY



FOOTPRINT TOP VIEW

$\phi 14$  (10x)  
SUITABLE FOR M12 CLASS 8.8

| REVISION                                                                                                                                                                                                                                                                                                                                                                                    | DRAWN BY                                                                                                                                                                                                   | DESCRIPTION                                                                                                                                                                                                                                                                                              | DATE                                                                                          | APPROVED ENGINEER |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------|--|----------|-----------------------|---|-----|---|-----|---|-------|---|-------|
| 1.1                                                                                                                                                                                                                                                                                                                                                                                         | dsch                                                                                                                                                                                                       | FOR APPROVAL                                                                                                                                                                                                                                                                                             | 18-12-2012                                                                                    |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| GENERAL NOTES:<br>1. THIS DRAWING IS SUBJECT TO FURTHER ENGINEERING DEVELOPMENT.                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| TECHNICAL DATA:                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| WINCH                                                                                                                                                                                                                                                                                                                                                                                       | ISO-FEM CLASS<br>OPERATING TEMP.<br>DUTY<br>RATED CAPACITY, ON THE TOP LAYER<br>MAX. CAPACITY, ON THE 1ST LAYER<br>RATED SPEED, ON THE 1ST LAYER<br>MAX. SPEED, ON THE TOP LAYER<br>MASS WINCH EXCL. CABLE |                                                                                                                                                                                                                                                                                                          | T3-L3-M4<br>0 to +40 °C.<br>LIFTING<br>2000 KG<br>3085 KG<br>9 m/min<br>14 m/min<br>± 650 KG. |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| CABLE REQ.                                                                                                                                                                                                                                                                                                                                                                                  | Ø<br>MAXIMUM NUMBER OF LAYERS<br>LENGTH<br>MINIMUM BREAK LOAD (M.B.L.)                                                                                                                                     |                                                                                                                                                                                                                                                                                                          | 14 mm<br>6<br>205 m<br>137 kN                                                                 |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| DRUM                                                                                                                                                                                                                                                                                                                                                                                        | BARREL Ø<br>LENGTH<br>FLANGE Ø<br>GROOVE<br>PITCH<br>RADIUS<br>DEPTH<br>BRAKE FACTOR                                                                                                                       |                                                                                                                                                                                                                                                                                                          | 244 mm<br>500 mm<br>500 mm<br>NONE<br>mm<br>mm<br>mm<br>x W.L.L.                              |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| MOTOR                                                                                                                                                                                                                                                                                                                                                                                       | TYPE<br>PROTECTION CLASS<br>POWER<br>VOLTAGE<br>FREQUENCY<br>BRAKE FACTOR                                                                                                                                  |                                                                                                                                                                                                                                                                                                          | ELECTRICAL BRAKE MOTOR<br>IP 54<br>5,5 kW, S1<br>400 VAC<br>50 Hz<br>1,5 x W.L.L.             |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| GEARBOX                                                                                                                                                                                                                                                                                                                                                                                     | TYPE<br>GEAR                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                          | PLANETARY GEARBOX<br>HIGH QUALITY                                                             |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| EXTRA(S)                                                                                                                                                                                                                                                                                                                                                                                    | DRUMGUARD<br>SPINDLE LIMIT SWITCH                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| <div><div>FOR APPROVAL</div><div>DATE:</div><div>PLEASE RETURN A SIGNED COPY</div></div> <div><table><tr><th colspan="2">REACTION FORCES ON FOUNDATION<br/>WITH BRAKE FORCE</th></tr><tr><th>POSITION</th><th>FORCE (kN) (+UPWARDS)</th></tr><tr><td>A</td><td>+19</td></tr><tr><td>B</td><td>+17</td></tr><tr><td>C</td><td>-25,5</td></tr><tr><td>D</td><td>-23,6</td></tr></table></div> |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   | REACTION FORCES ON FOUNDATION<br>WITH BRAKE FORCE |  | POSITION | FORCE (kN) (+UPWARDS) | A | +19 | B | +17 | C | -25,5 | D | -23,6 |
| REACTION FORCES ON FOUNDATION<br>WITH BRAKE FORCE                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| POSITION                                                                                                                                                                                                                                                                                                                                                                                    | FORCE (kN) (+UPWARDS)                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| A                                                                                                                                                                                                                                                                                                                                                                                           | +19                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| B                                                                                                                                                                                                                                                                                                                                                                                           | +17                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| C                                                                                                                                                                                                                                                                                                                                                                                           | -25,5                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| D                                                                                                                                                                                                                                                                                                                                                                                           | -23,6                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| PROJECT CLIENT NAME:<br>HOIST INTERNATIONAL B.V.                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| DRAWING DESCRIPTION:<br>SB 304 EDS<br>GENERAL ARRANGEMENT WINCH<br>DATASHEET                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| CLIENT REFERENCE No.:<br>48003931                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
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| PROJECTIE:<br><div><div></div><div>THIRD PROJECTION</div></div>                                                                                                                                                                                                                                                                                                                             | DRAWN BY:<br>D. Schuiling                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                          | SCALE:<br>1:15                                                                                | SIZE:<br>A3       |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| DATE DRAWN:<br>12-12-2012                                                                                                                                                                                                                                                                                                                                                                   | ORDER NUMBER:<br>1001666                                                                                                                                                                                   | DRAWING NUMBER:<br>SB0.0304.00.010                                                                                                                                                                                                                                                                       |                                                                                               | REVISION:<br>1.1  |                                                   |  |          |                       |   |     |   |     |   |       |   |       |
| SHEET:<br>1                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                          |                                                                                               |                   |                                                   |  |          |                       |   |     |   |     |   |       |   |       |