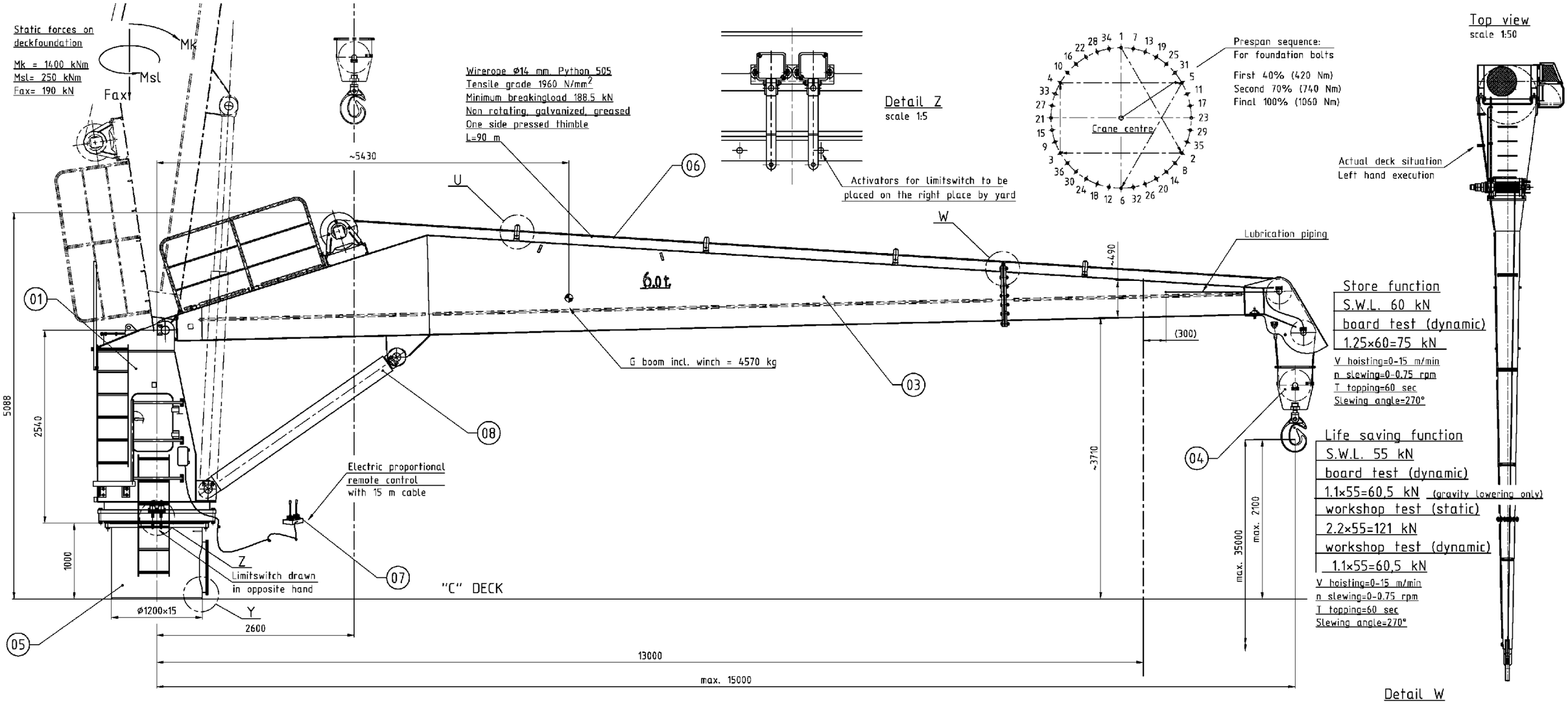
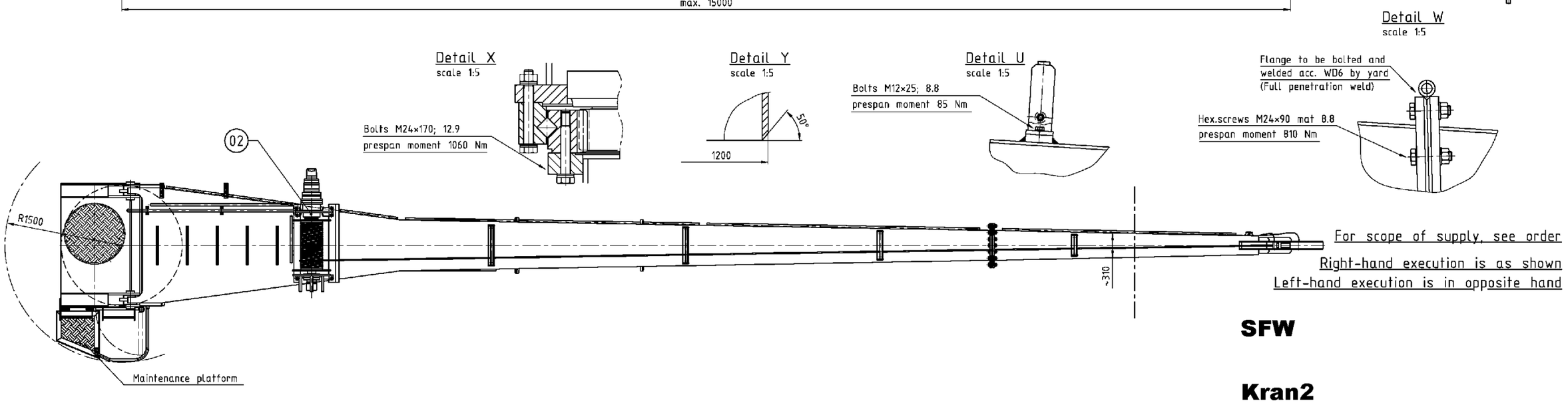

Static forces on deckfoundation
Mk = 1400 kNm
Msl= 250 kNm
Fax= 190 kN
Mk
Msl
Fax
Wirerope Ø14 mm. Python 505
Tensile grade 1960 N/mm²
Minimum breakingload 188.5 kN
Non rotating, galvanized, greased
One side pressed thimble
L=90 m
~5430
U
06
6.0t
W
~490
Lubrication piping
01
5088
2540
1000
G boom incl. winch = 4570 kg
03
08
Electric proportional remote control with 15 m cable
07
Z
Limitswitch drawn in opposite hand
Y
Ø1200×15
2600
05
"C" DECK
13000
max. 15000
~3710
(300)
04
max. 35000
max. 2100
Detail Z
scale 1:5
Activators for limitswitch to be placed on the right place by yard
Prespan sequence:
For foundation bolts
First 40% (420 Nm)
Second 70% (740 Nm)
Final 100% (1060 Nm)
Crane centre
Top view
scale 1:50
Actual deck situation
Left hand execution
Store function
S.W.L. 60 kN
board test (dynamic)
1.25×60=75 kN
V hoisting=0-15 m/min
n slewing=0-0.75 rpm
T topping=60 sec
Slewing angle=270°
Life saving function
S.W.L. 55 kN
board test (dynamic)
1.1×55=60,5 kN (gravity lowering only)
workshop test (static)
2.2×55=121 kN
workshop test (dynamic)
1.1×55=60,5 kN
V hoisting=0-15 m/min
n slewing=0-0.75 rpm
T topping=60 sec
Slewing angle=270°


Detail X
scale 1:5
Bolts M24×170; 12.9
prespan moment 1060 Nm
Detail Y
scale 1:5
50°
1200
Detail U
scale 1:5
Bolts M12×25; 8.8
prespan moment 85 Nm
Detail W
scale 1:5
Flange to be bolted and welded acc. WD6 by yard
(Full penetration weld)
Hex.screws M24×90 mat 8.8
prespan moment 810 Nm
02
R1500
~310
Maintenance platform
For scope of supply, see order
Right-hand execution is as shown
Left-hand execution is in opposite hand

SFW

Kran2