



2 BOARD MACHINE CRANES-ABUS
 EACH WITH CAPACITY 30 TON

MAX WHEEL LOAD = 19 TON/WHEEL
 MAX BRAKING FORCE = 2.71 TON/WHEEL
 MAX LATERAL SHOCK FORCE = 1.9 TON/WHEEL
 MIN WHEEL LOAD = 4.70 TON
 MIN BRAKING FORCE = 0.67 TON/WHEEL
 MIN LATERAL SHOCK FORCE = 0.47 TON/WHEEL
 DYNAMIC AMPLIFICATION FACTOR=1.25
 MINIMUM DISTANCE BETWEEN 2 CRANES=930mm
 SWAY LIMIT=H/150
 H: HEIGHT OF CRANE ABOVE CONCRETE LEVEL

CAIRO UNIVERSITY
 FACULTY OF ENGINEERING
 FOURTH YEAR CIVIL
 STEEL PROJECT

UNIT #: 4 (3/5)
 INDUSTRIAL BUILDING

DRAWING TITLE:

DATE: May 2018

SCALE: