

NLH7070 SERIES WELDING MANIPULATOR

TECHNICAL SPECIFICATION

1.7 X 7M WELDING MANIPULATOR

NLH SERIES TRAVELLING AND ROTATION WELDING MANIPULATOR CONSISTS OF COLUMN, BOOM, ELEVATION DEVICE, GUIDES, MOTORISED CROSS SLIDE, CONTROL BOX, CONTROL PENDENT OPERATOR CHAIR AND LADDER.

COLUMN ELEVATION RAIL AND BOOM TRAVEL RAIL ARE RECTANGULAR TYPE AND DOUBLE RAIL TYPE. BOOM TRAVEL DRIVE HAS DIRECTLY CONNECTED WORM REDUCTION UNIT AND PINION GEAR-RACK COUPLE. BOOM ELEVATION HAS TWO STAGE WORM REDUCTION UNIT AND CHAIN-SPROCKET COUPLE WITH SAFETY DEVICE AGAINST DROPPING. THERE ARE SEVERAL SETS OF GUIDE PULLEYS FOR VERTICAL AND HORIZONTAL MOVEMENT OF BOOM WHICH CAN BE ADJUSTED FOR SMOOTH TRAVEL OF BOOM WITHOUT VIBRATION.

THERE IS LADDER ON THE COLUMN FOR OPERATOR TO MAINTAIN THE WELDING MANIPULATOR.

THERE IS MOTORISED CROSS SLIDE SYSTEM.

THE ELECTRIC CONTROL SYSTEM CONSISTS OF THE ELECTRIC CONTROL BOX AND REMOTE CONTROL PENDENT. THE MAINLY ELECTRIC ORGANS ARE FROM **SIEMENS** WHICH ARE RELIABLE PERFORMANCE. THE INVERTER USES **YASKAWA SYSTEM**, WHICH HAS THE CHARACTERISTICS OF LOW-NOISE, HIGH-PRECISION DIGITAL DISPLAY, OVERALL STABILITY OF HIGHT ANTI-JAMMING CAPABILITY.

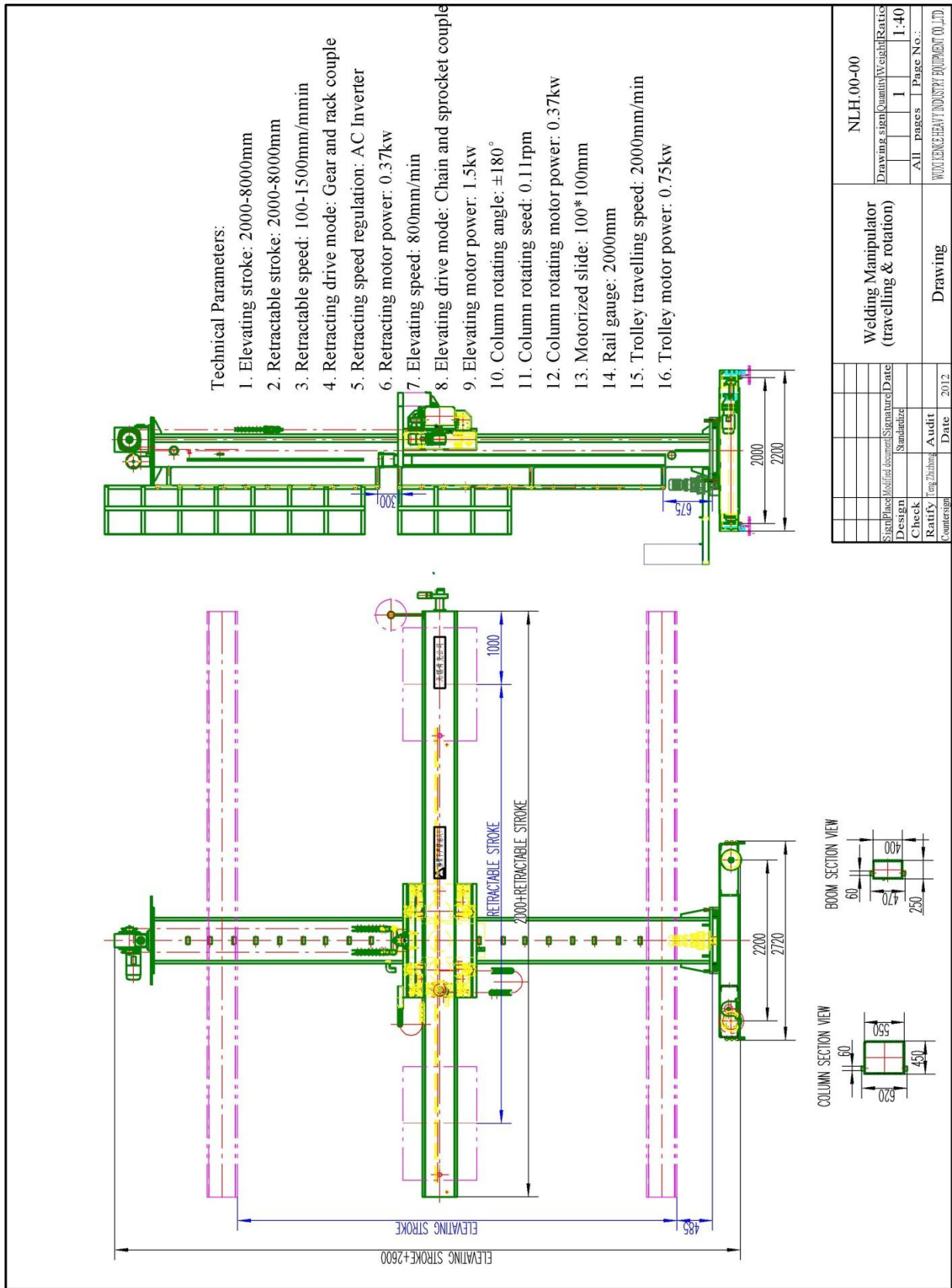
ELECTRICAL CONTROL SYSTEM HAS PROTECTION AGAINST OVER CURRENT, OVER HEATING, OVER LOADING WITH SELF LOCKING PROTECTION FOR OPERATOR SAFETY. IT HAS LINKAGE INTERFACE FOR CONTROL OF ROTATORS. OPERATOR CAN CONTROL WELDING MANIPULATOR AND ROTATOR BY OPERATE ONE CONTROL PANDENT IF IT WORKS TOGETHER WITH WELDING ROTATOR.



(1) MAIN TECHNICAL PARAMETERS

MODEL	NLH (TRAVELLING & ROTATION)
QUANTITY	1 SET
BOOM TRAVEL, mm	7000
BOOM ELEVATION, mm	7000
BOOM TRAVEL SPEED, mm/min	100-1500
BOOM ELEVATION SPEED, mm/min	800
COLUMN REVOLVING SPEED, rpm	0.11
COLUMN REVOLVING ANGLE, degree	±180
BOOM END LOAD AT MAX TRAVEL, kg	125
RAIL INNER SPAN, mm	2000
TROLLEY SPEED, mm/min	2000
MOTORISED CROSS SLIDE(MM)	100*100
ELECTRICAL CONTROL SYSTEM	YES
OPERATOR CHAIR	OPTIONAL
LADDER	YES
POWER SOURCE PLATFORM	YES

(2) NLH WELDING MANIPULATOR (TRAVELLING & ROTATION) DRAWING



NLH-00-00	
Drawing size	Quantity
Weight	Ratio
1	1:40
All pages	Page No.:
WOLONG HEAVY INDUSTRY EQUIPMENT CO.,LTD.	
Welding Manipulator (travelling & rotation)	
Drawing	
Sign/Place	Modified document
Design	Standardized
Check	Standardized
Ratify	Feiyi Zhuang
Counter-sign	Audit
Date	2012