



W.F. WELDING & OVERHEAD CRANES LTD.
705 - 23rd Avenue
NISKU, ALBERTA T9E 7Y5
Telephone No. (780) 955-7671
Fax No. (780) 955-7690

DESIGN WORKSHEET

pg 1 of 1

WF Proj. # QCL11-563

Subject

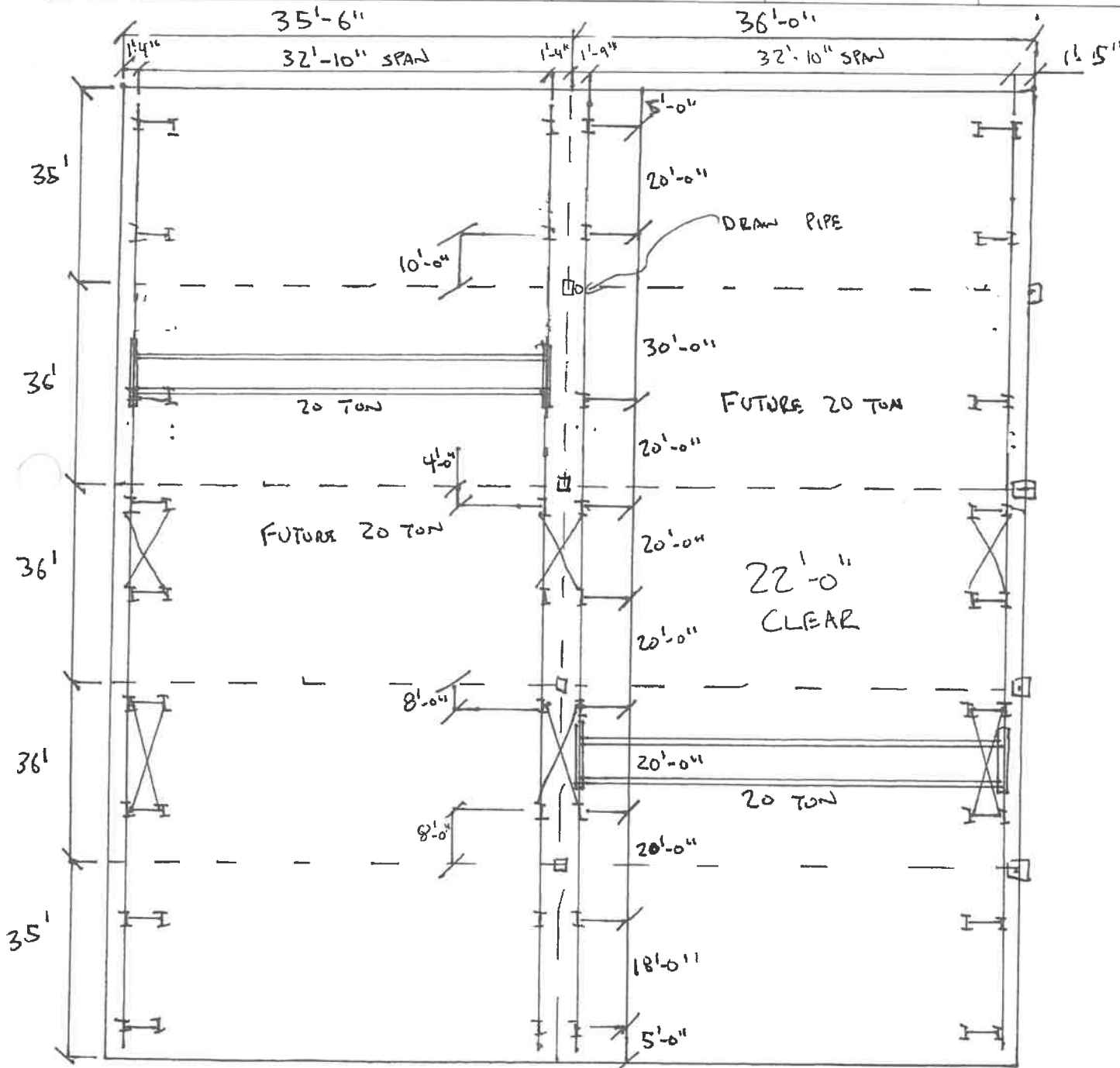
CRANE PLAN

By

TAN

Reviewed

Approved



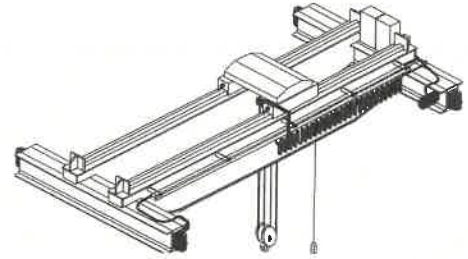
WALL IS CURVED



W.F. WELDING & OVERHEAD CRANES LTD.
CRANE DIVISION PLANT # 4
602- 22 AVE NISKU AB CANADA T9E 7X6
PHONE: (780) 979 - 1189 FAX: (780) 979 -9911
www.wfwelding.com



"Since 1986"



No. of pages including this cover page: 14

W.F. WELDING & OVERHEAD CRANES LTD. is pleased to submit the following **proposal/quotation** for the design, detailing, fabrication and supply of the following.

1. Scope of Work and Pricing

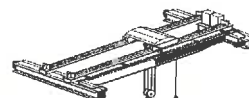
1.1. Top Running Double Girder Electric Overhead Crane

- Safe working load 20 - ton
- Approximate span 33'
- CMAA Class "C"
- Working Environment Indoor
- Girder Construction Beam / Channel
- **Warranty** **2 years**
- Power supply. 575 volt 3 ph 60 hz
- **All crane girders are designed to meet CMAA (Crane Manufacturer's Association of America) standards**
- **Includes Engineered Stamped Drawings.**





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The above price includes the following standard features,

Bridge.

- **Direct drive** tube style GH end trucks. (No open gears)
- **VFD controlled. Variable speed (0 – 120) fpm**
- **End of travel and anti-collision limit system.**
- **Magnetek Flex EX hand held wireless remote system.**
- Independent sliding pendant control festoon system.
- **Sandblasted and finished with W.F. standard DTM crane yellow enamel paint.**

Trolley.

- GH 2 speed dual drive wheel trolley: **Direct drive** comes standard on all double girder cranes.
- Speed (80 / 20) fpm
- Low headroom type.

Hoist.

- 2 speed GH wire rope Hoist
- Speed (16 / 2.5) fpm
- Overweight protection switch.
- Approximate lift will be 17'-5" based on 22' clear

1.2. (2) Parallel Free Standing Runway Systems (each system to have 40 ton capacity)

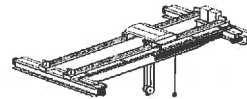
- (2) 178 ft. each side at 20 ft. Spans ((1) 30ft span) between support spaces c/w square bar rail supported by WF free Standing Runway support columns.
- (29) 18 ft Free standing support columns c/w longitudinal bracing. Middle columns are shared but each runway.
- **Supply only of anchors bolts. Anchor bolts to be cast in place by others.**
- Column foundations designed, supplied, and installed by others. **WF to provide column reactions for foundation design engineer.**
- 4 bar 110 amp buss system. (power up to runway location is by others)
- Runways and columns designed for **TWO fully loaded 20 Ton cranes / support spacing.**
- **Sandblasted and primed with standard grey primer.**
- Runways are designed to meet CSA S16-09. Deflection requirements as per CMAA.

Runways





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Columns with bracing

1.3. Installation and Commissioning of (4) Cranes and (2) Runways

- Installation including mobile crane, man-lift and freight FOB North Edmonton
- Installation based on single mobilization and free, clear access to site

Install (2) runway systems
Install (4) cranes

The above installation price applies only if the owner or general contractor provides the following,

- Clear access to working area. Adequate room is required for truck, trailer, man lift, and mobile crane.
- Proper roadway and ramp to gain access to the building.
- Adequate concrete floor or gravel pad capable of supporting our heavy equipment.
- Permanent power for crane testing.

If the above cannot be provided, additional set up costs for travel and equipment may be applicable.

1.4. Crane System Load Test as per O.H. & S Regulations

Price includes,

- Full running test at 100% capacity.
- 125 % Overload test.
- Test weights and transport.
- Crane(s) to be load tested at one mobilization.

Pricing Summary