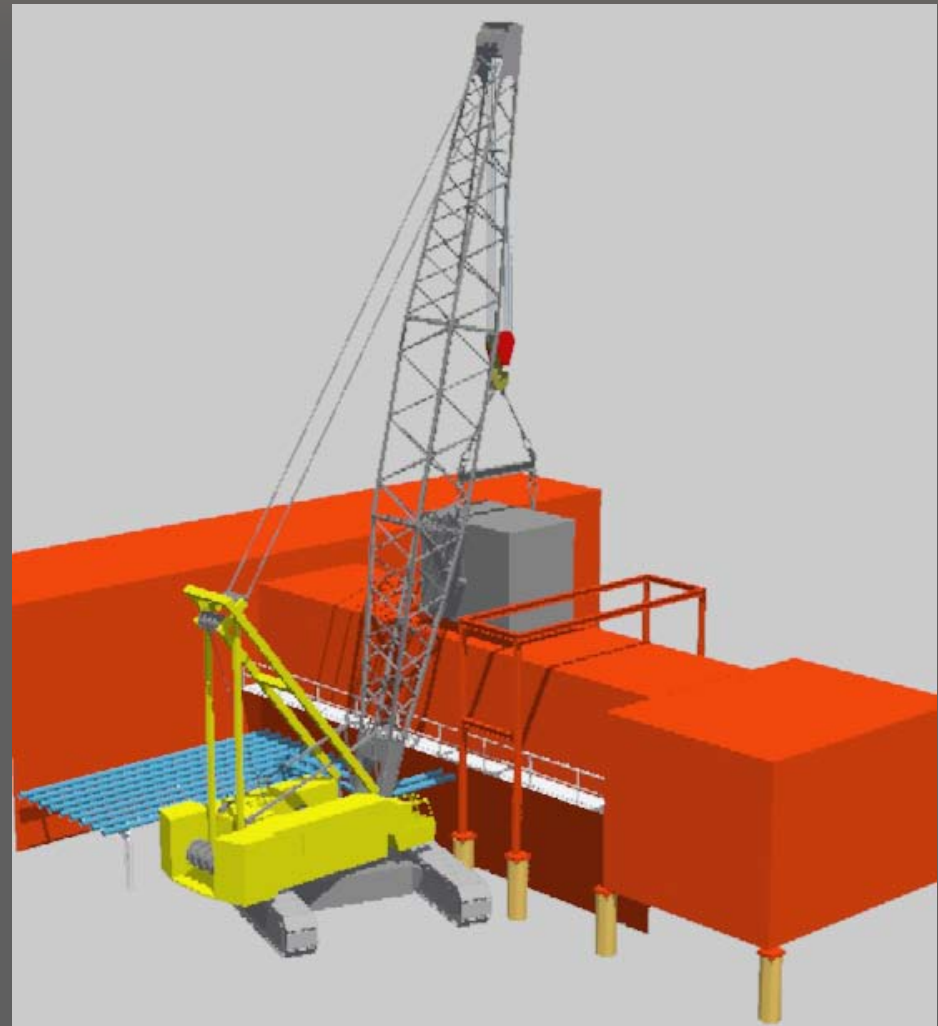


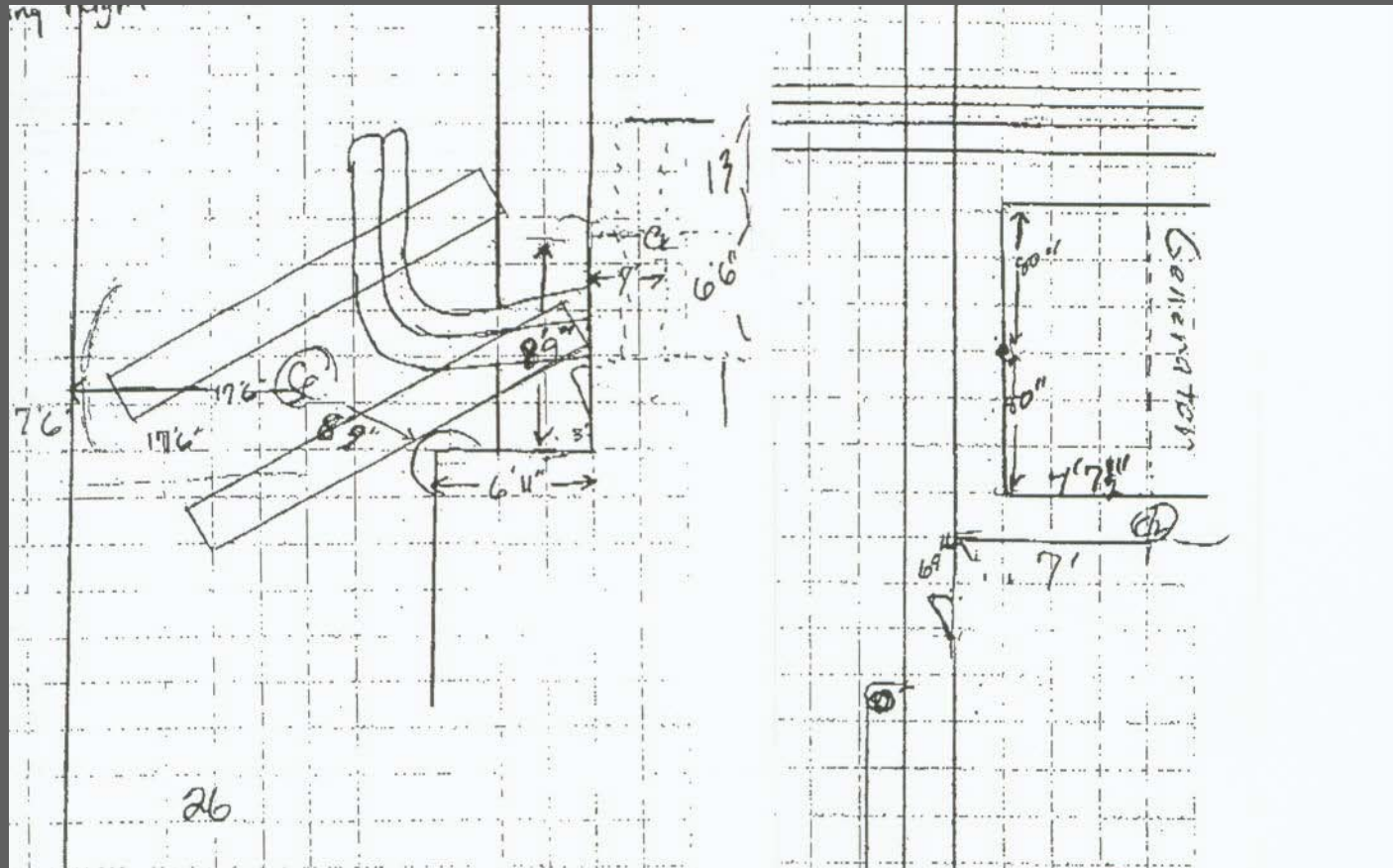
Generator Lift – 129,000 Lbs.

- ⇒ Site visit – obtain plot
- ⇒ Take measurements
- ⇒ Take digital pictures
- ⇒ Iterate & clarify
- ⇒ Review candidate crane
- ⇒ Review with client
- ⇒ Change per client input
- ⇒ Tool box safety meeting



THESE ARE
NOT THERE
ANY MORE

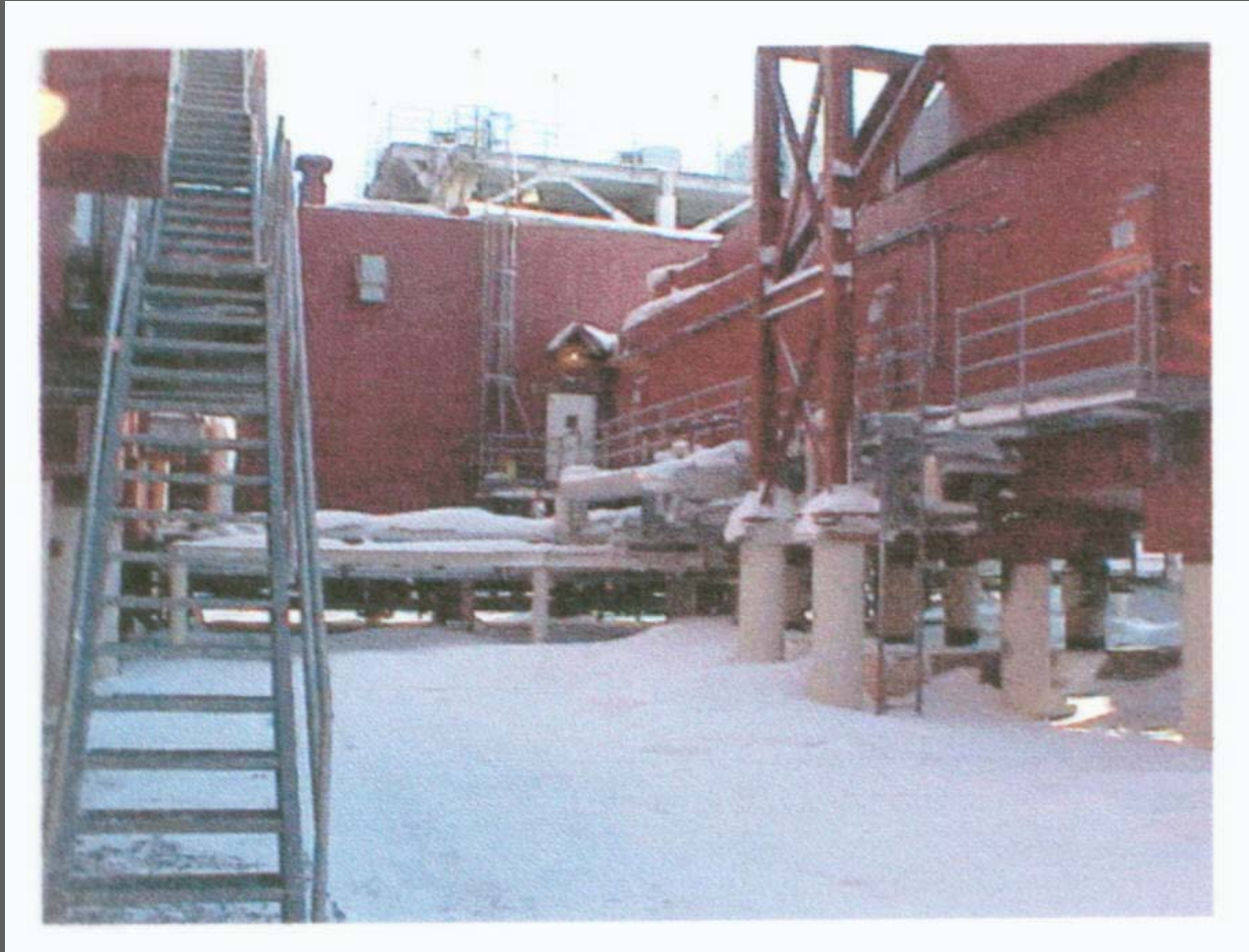
Supporting Sketches



The "Tight Alley"



The "Tight Alley" Further Back



The "Tight Alley" All the Way Back



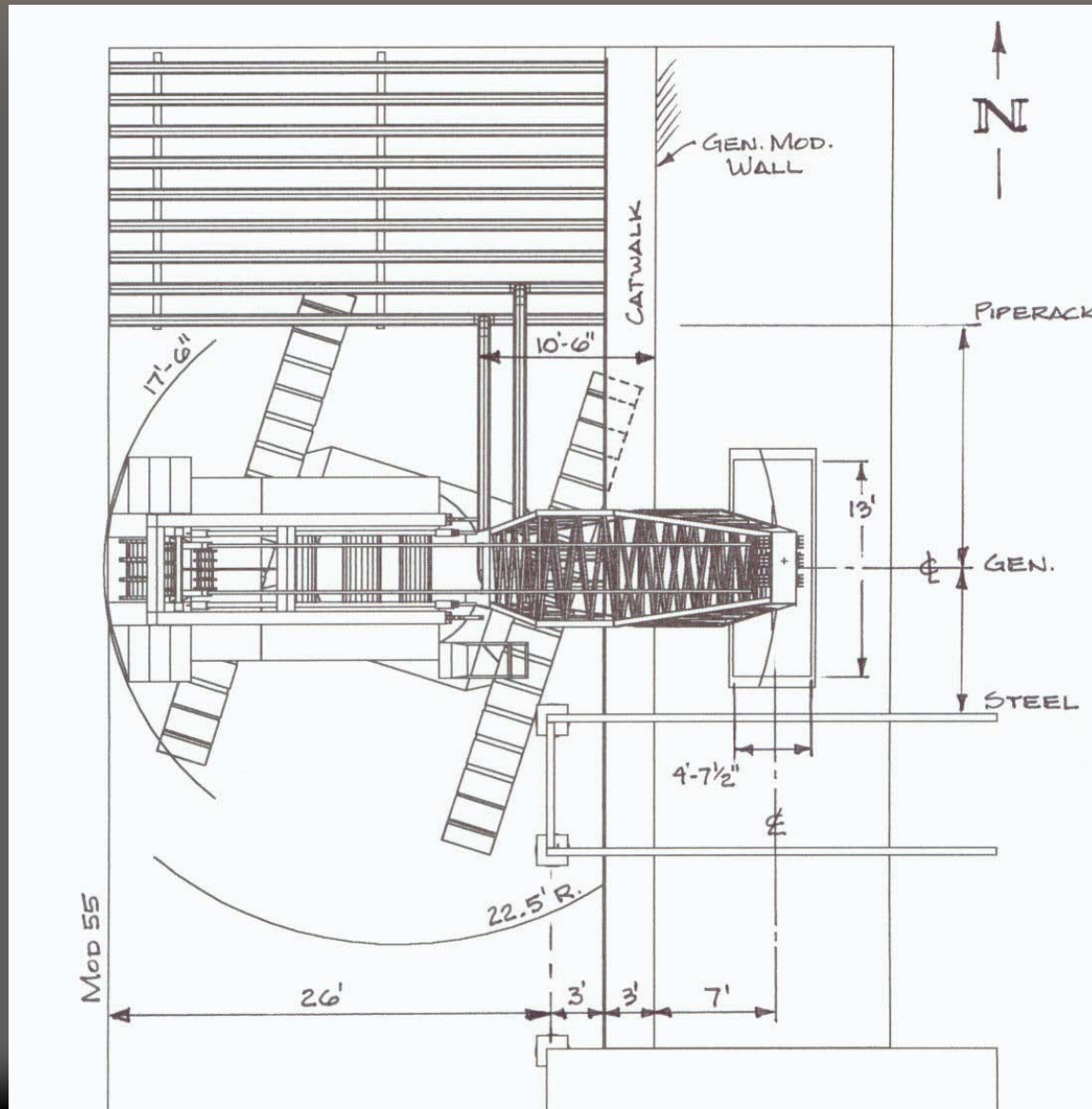
Overhead of Full Alley



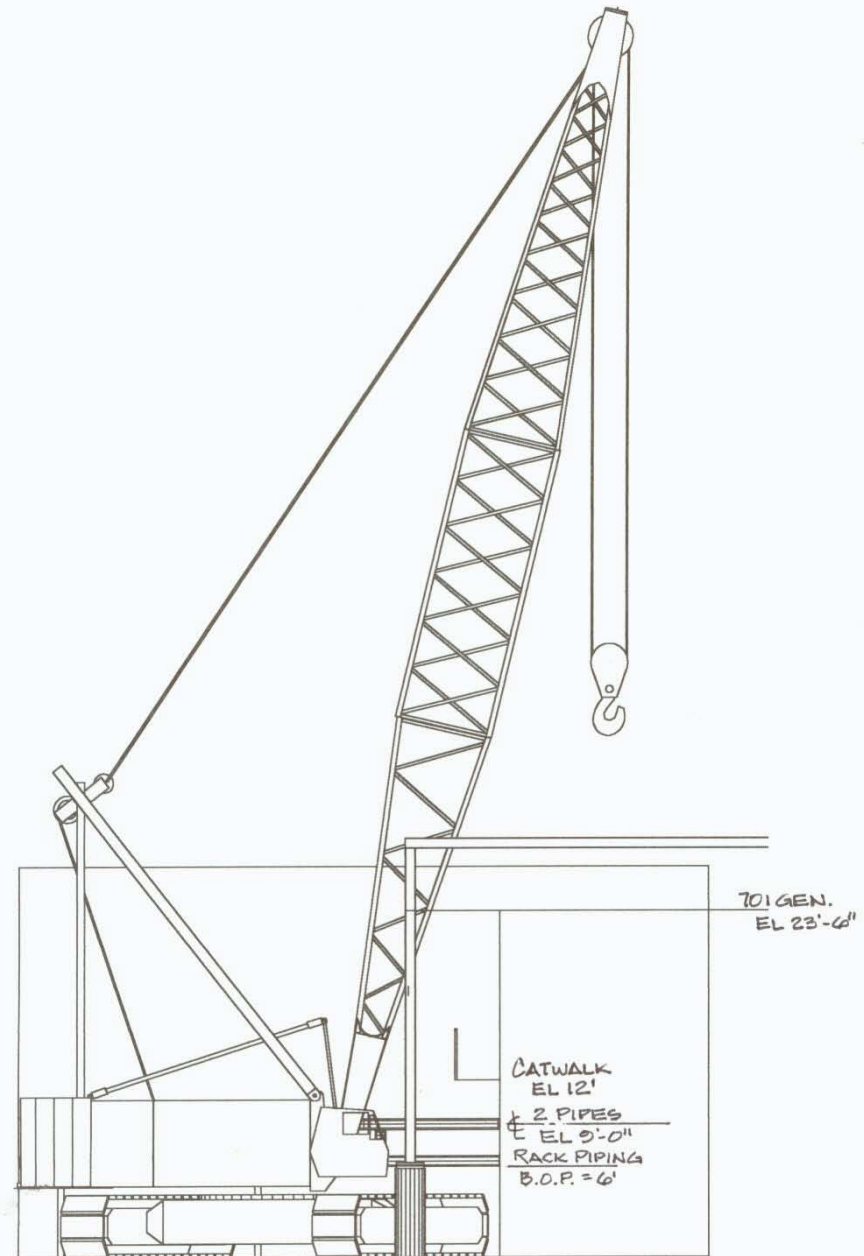
Overhead Generator Area



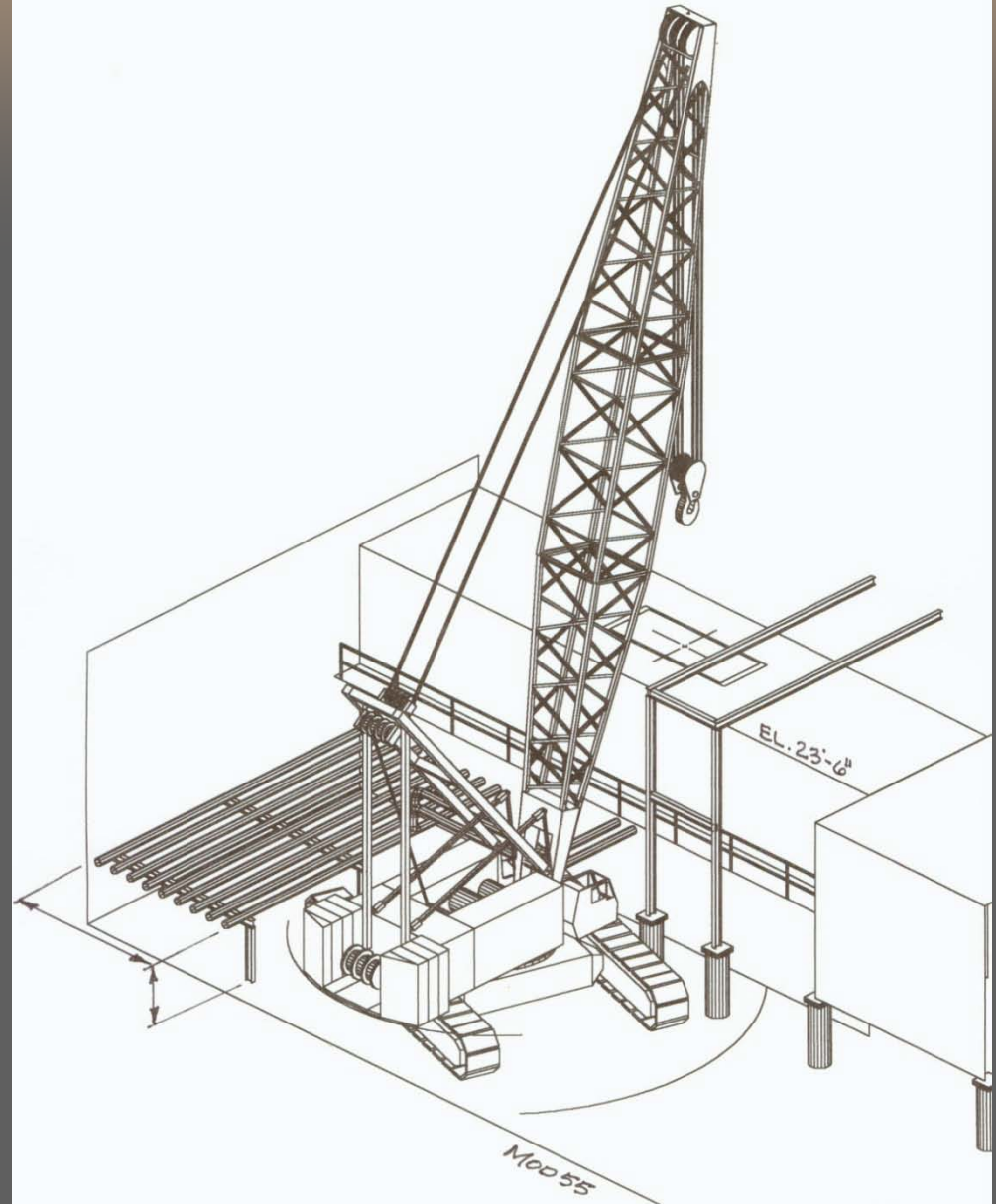
Plan Feedback – Missing Dims



Elev Feedback – Show Piping El.



Iso Feedback—
Need piperack
Dims



Crane Evaluation



CALCULATION FORM FOR CRAWLER CRANES AND STANDARD TRUCK CRANES

1. LOCATION OF PICK Milac Point
2. DESCRIPTION OF LOAD Generator
3. TYPE OF CRANE TO BE USED 150 TON P4H 5150
 - A. BOOM LENGTH 80'
 - B. JIB LENGTH N/A TYPE N/A OFFSET N/A
 - C. WEIGHT OF LOAD 129,000 LBS
 - D. EFFECTIVE WEIGHT OF JIB (SEE JIB CHART) N/A LBS
 - E. EFFECTIVE WEIGHT OF JIB OVERHAUL BALL (2 x BALL WEIGHT) N/A LBS
 - F. WEIGHT OF BALL 800 LBS
 - G. WEIGHT OF LOAD BLOCK 3350 LBS
4. WEIGHT AND DISTRIBUTION OF SLINGS:

<u>2</u> EACH	<u>2 1/4"</u> DIA.	<u>9' Grammet</u> LENGTH	<u>337</u> LBS
<u>2</u> EACH	<u>1 3/4"</u> DIA.	<u>19'</u> LENGTH	<u>250</u> LBS
<u>2</u> EACH	<u>7/8"</u> DIA.	<u>12'</u> LENGTH	<u>40</u> LBS
_____ EACH	_____ DIA.	_____ LENGTH	_____ LBS
_____ EACH	_____ DIA.	_____ LENGTH	_____ LBS
5. WEIGHT AND DISTRIBUTION OF SHACKLES:

<u>4</u> EACH	<u>52</u> TON CAPACITY	<u>180</u> LBS
<u>4</u> EACH	<u>17</u> TON CAPACITY	<u>70</u> LBS
_____ EACH	_____ TON CAPACITY	_____ LBS
_____ EACH	_____ TON CAPACITY	_____ LBS
_____ EACH	_____ TON CAPACITY	_____ LBS
6. WEIGHT OF SPREADER BAR 10' 1000 LBS
7. WEIGHT OF OTHER RIGGING 2-3 Trn Come-a-longs 50 LBS
- TOTAL ERECTION LOAD 135,077 LBS
8. MAXIMUM OPERATING RADIUS 22.5' 200
9. CRANE CAPACITY AT ABOVE RADIUS 146,350 LBS
10. JIB CAPACITY AT ABOVE OFFSET (IF APPLICABLE) N/A LBS

OTHER CONSIDERATIONS:

- A. CRANE MUST BE SET UP LEVEL.
- B. CRANE MUST BE SET UP ON WELL-COMPACTED MATERIAL.
- C. TAG LINES (MINIMUM OF 2) MUST BE USED ON ALL LIFTS, UNLESS 2 CRANES ARE USED FOR LIFT.
- D. NO LIFT MAY BE EXECUTED OUTSIDE CRANE CAPACITY CHART.
- E. ADDITIONAL LEVELING OF LOAD MAY BE DONE BY USING RATED CAPACITY SHACKLES.
- F. DEDUCTIONS OF RATED CAPACITY MUST BE MADE PER CRANE MANUFACTURE IN COLD WEATHER PICKS.
- G. MAXIMUM WIND SPEED NOT TO EXCEED 30 MPH.
- H. CRANE OPERATOR AND DESIGNATED SIGNALMAN MUST BE IN CONTACT AT ALL TIMES DURING LIFT.

WORK SAFE!

PEAK SUPERVISOR DATE

CUSTOMER

DATE

CRANE OPERATOR DATE

Data/Forms/Calcform2.xls

Lift

Procedure

Generator Removal for Milne Point Turbo Generator Skid #08

Peak will reconfigure the P&H 5150 by removing the transport beam for hauling and by retracting the tracks and shorten boom to 80 feet. We will then transport the crane perpendicular to the tacks. We will transport the crane to Milne Point base, set ramps and off load crane, walk crane to lift location.

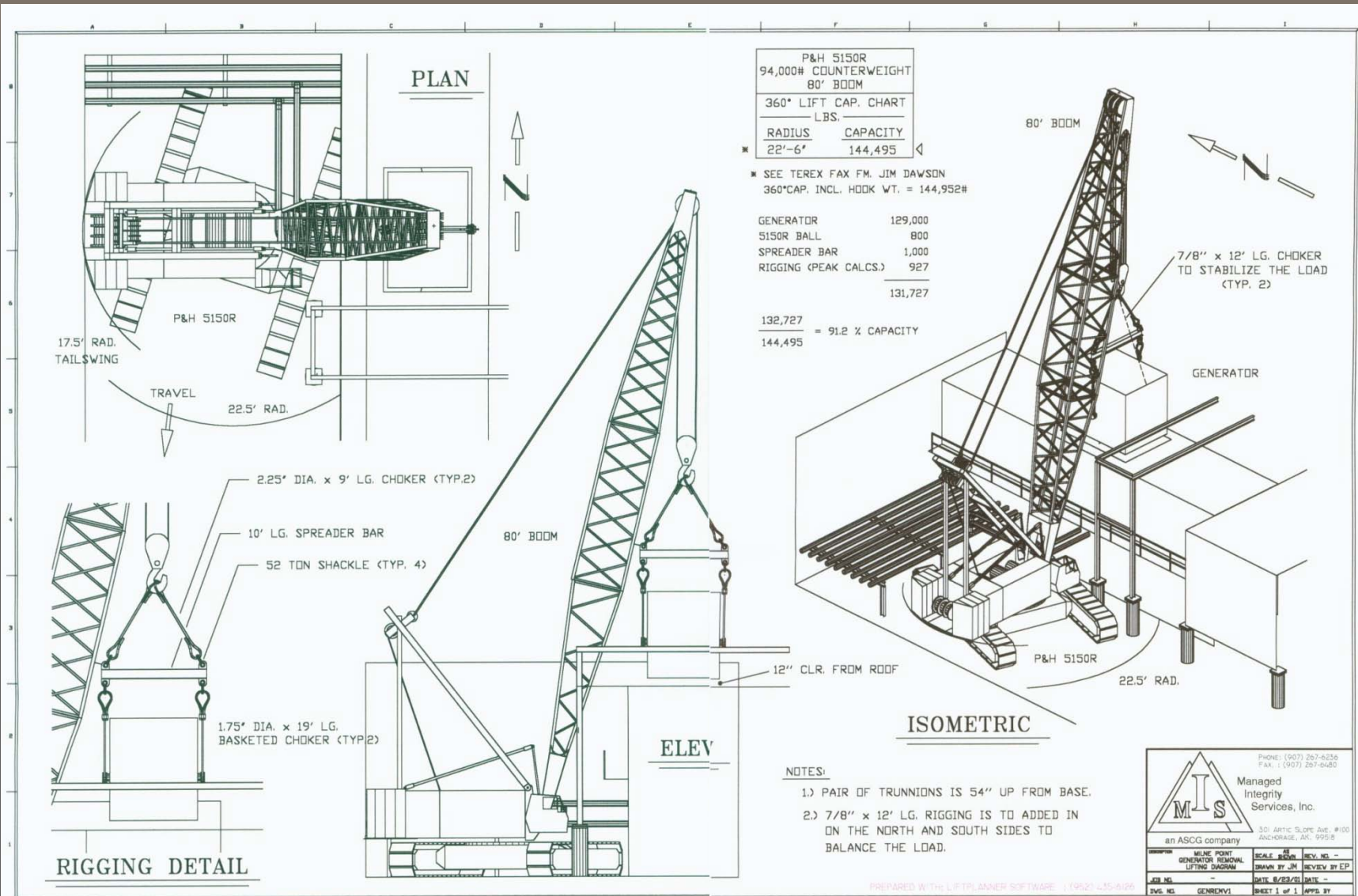
Grove 745

The guy lines from the stack on Generator #8 will have to be removed along with the stairway and two vent ducts. One module, all braces, and support for stairs will also need to be removed. Eastside of containment dike under generator will need to be set into the existing containment dike by two feet. The roof panel needs to be removed and staged out of work area. All removable appliances and piping would then be removed to give greater clearance for generator removal.

P&H 5150

5150 would walk into position between Mod 55 and Mod 08 positioning the crane at a 22.5 foot radius. The crane would be positioned with its right track 2 inches from piling (structural of tower). The end of the right track would be against the side of the existing containment dike under the generator, therefor it should be temporarily removed. The left track would be positioned clear of any obstruction. The Crane would be swung over the load with the boom positioned over the right front track still in the "over front quadrant". The spreader bar would be lowered over the load and attached to the two lifting trunions. Two additional slings would be attached to the spreader bar on opposite sides of the generator and attached to the jacking lug in opposite corner for added stability. After insuring the area around the load is clear of obstruction, the load would be lifted out of the module. The crane would then swing to the left, centering over the tracks and would then walk back cutting the tracks away from the piling. The crane would walk out of lift location carrying the load and backing out, near module 54. The load would be placed on a trailer for transport. The truck and trailer with generator would pull out of the work area. The crane would walk away from Module to be loaded and return to Peak yard.

LiftPlanner Software - Diagram



Please visit “www.liftplanner.net”

- ⇒ More animations
- ⇒ PDF Samples book with 24 lift diagrams
- ⇒ Current crane library listing
- ⇒ Much more information
- ⇒ Contact info – phone & email