Lesson #2

The High Rise Fertilizer Tower

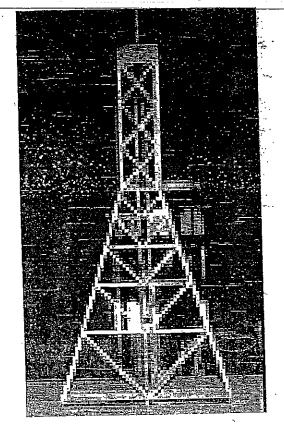


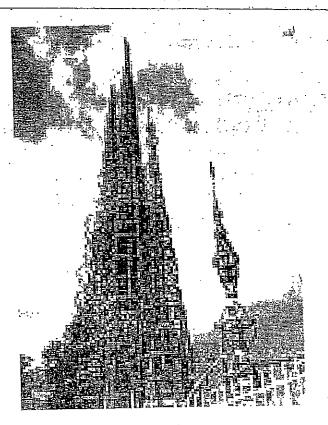


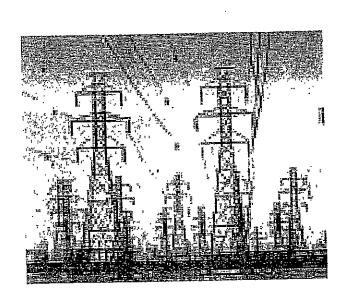
ENGINEERS

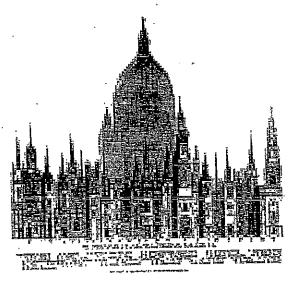
WANTED BY

THREE STAR TOWER COMPANY



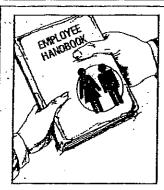






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The Job Description

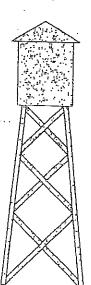
The Task

Design and build a High Rise Tower which will Support a Fertilizer container.

- The tower must be 45 cm. tall, not including the fertilizer container.
- · The tower must be stable in windy weather.
- The tower must be able to support the fertilizer container filled with 125 ml of fertilizer.
- · The tower must use triangles in its design.
- The fertilizer container must be designed with a floor and a roof.
- The fertilizer container must be 10 cm. to 12 cm. tall.
- · The fertilizer container must be securely attached to the tower.
- The total cost of the materials, including the mandatory rental of test materials, must be less than \$500,000.



All materials *must* be purchased from "The Canadian Super Suppliers".

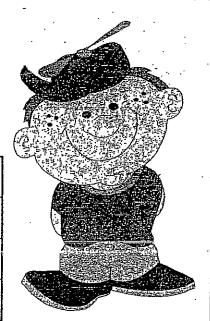




The Plan

How you will make your fertilizer tower.

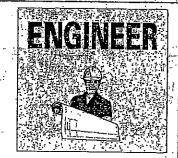
Materials That I Think I Will Use			
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The plan to make my to	ower strong and st	table.	
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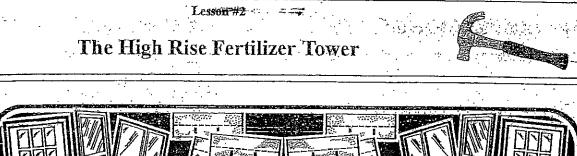


The Diagram of my Project



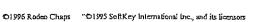
Draw a diagram of your high rise fertilizer tower.

Label the tower with the materials that you plan to use.



The Canadian Super Suppliers Price List

Unit price
500.00
100.00
100.00
50.00
50.00
500,00
100.00
200.00
100.00
10.00
100.00
1000.00
400,00
800.00
600.00



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MIII

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IIIII



Order the Materials



Quantity	Item	Cost
1 .	Rent of Test Materials	600.00
		·
,		
1	Total Cost	

Please Note:

Items may be exchanged.

All unused items may be returned for credit.



Collect Your Materials
and
Begin to Build
Your
High Rise Fertilizer Tower



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The High Rise Fertilizer Tower



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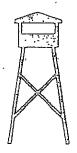
Testing the High Rise Fertilizer Tower



Is the tower 45 cm. tall?	
Is the tower stable in windy weather?	
Does the tower have a fertilizer container?	,
Is the container 10 to 12 cm. tall?	•
Is the container secured to the tower?	
Does the tower have triangles in its design?	
Does the fertilizer hold 125 ml. of sand?	
Does the container have a roof?	
Does the container have a floor?	*
Did the project cost less than \$500,000	
Is the booklet done neatly?	
Is the project done on time?	



Thinking Back



What part of the job was the hardest for you? f you could start over, what would you do lifferently?	•		
f you could start over, what would you do			
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