

Cost Savings Case Study: Distribution Center

South Section: Roof Drains

Initial Design:

- Trenching: 20 lines of 388'2" for a total 7763'4" of internal trenching
 - Pipe:
 - 10 lines of 475'8" @ 8" Ø
 - 10 lines of 437'2" @ 8" Ø
- Total Pipe = 9128'2" @ 8" Ø

MIFAB Design:

- Elimination of all internal trenching saving 7763'4" of trenching
 - Pipe runs completely flat in the ceiling
 - Combined 2 drains into one run eliminating half of the pipe work:
 - 10'11" @ 4" Ø
 - 286'3½" @ 5" Ø
 - 805'10" @ 6" Ø
 - 4069'3" @ 8" Ø
 - 986'3" @ 10" Ø
- Total Pipe = 6158'6½"

North Section: Gutter Roof Drains

Initial Design:

- 41 Downspouts using 6" Ø
- Average height of 58'
Total Pipe = 2378'

MIFAB Design:

- Total count is 21 RWP's using mainly 4" Ø
 - 56' @ 3" Ø
 - 1099'10½" @ 4" Ø
 - 30' @ 6" Ø
- Total Pipe = 1185'10½"

Additional Cost Savings

- Savings of Labor
 - Half the amount of pipe to install
 - Smaller diameter pipe easier to hang
 - Less gutter drains to install
- Reduced Calendar Days
 - No Internal Trenching
- Smaller diameter pipe also means:
 - Smaller Fittings
 - Smaller Couplings
 - Smaller Hangers
 - Smaller Insulation
- Ability to consolidate civil connections



What's your cost? What's your savings?

Please enter in your own values to see what the cost savings on this distribution center project would have been for your company

Trenching	
Cost for Trenching 20' of 8" Pipe	<input type="text"/>
Total Cost for Gravity System	
Total Cost for Siphonic System	<hr/> <hr/>
Total Savings	

Main Roof	
Cost for 20' of 4" Pipe	<input type="text"/>
Cost for 20' of 5" Pipe	<input type="text"/>
Cost for 20' of 6" Pipe	<input type="text"/>
Cost for 20' of 8" Pipe	<input type="text"/>
Cost for 20' of 10" Pipe	<input type="text"/>
Total Cost for Gravity System	
Total Cost for Siphonic System	<hr/> <hr/>
Total Savings	

Gutters	
Cost for 20' of 3" Pipe	<input type="text"/>
Cost for 20' of 4" Pipe	<input type="text"/>
Cost for 20' of 6" Pipe	<input type="text"/>
Total Cost for Gravity System	
Total Cost for Siphonic System	<hr/> <hr/>
Total Savings	