



High Performance Design

- 93,000 sf corporate headquarters expansion for Walsh Construction
- Roof is a combination of white TPO roof membrane, vegetated roof, skylight and mechanical equipment, resulting in a thermally high performing exterior envelope with an average u-value of .048
- Exterior enclosure in combination with high efficiency MEP systems is projected to achieve a 35% reduction in energy costs
- Large central atrium helps induce stack-effect to encourage exhaust air to naturally rise, reducing mechanical involvement
- Stormwater is collected from the roof, filtered and re-used for irrigation and flushing high efficiency plumbing fixtures, resulting in reduction of total water use by 40% and potable water use by over 69%

Project Statistics

- Energy Use Intensity (EUI) = 196 kBtu/sf/yr
- Percent CO2 reduction = 24%
- ENERGY STAR design rating = 75

Annual Savings Statistics

(compared to an average building EPA rating of 50)

- Energy savings = 4,580,000 kBtu
- CO2 savings = 279 Metric Tons
- Energy cost/sf = \$111,200 / 93,000sf = \$1.20 /sf/yr



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Chicago, Illinois

www.scb.com



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ENERGY STAR