NUCOR® SKYLINE

CASE STUDY

The John Ross Mixed Use Condo

Portland, Oregon

A revolutionary sheet pile application implemented by Nucor Skyline virtually changed the economics of below-grade construction and was used in constructing the John Ross condo – a 325 foot tall waterfront mixed use condo development with three levels of below-grade parking.

PROBLEM:

Below-grade construction may often times prove to be quite costly when utilizing conventional methods. The overall expenses incurred, including time and material, were turning out to be much higher than expected.

SOLUTION:

Nucor Skyline was able to offer a versatile sheet pile application which eliminated multiple component costs of conventional shoring – representing significant savings in the foundation development timeframe. Nucor Skyline also provided engineering expertise throughout the duration of the project. Structural and durability analysis, layout details, drawings, contracting referrals and specification writing were among the many complimentary, value-added services provided.

Months were removed from the construction schedule through a modified top-down excavation sequence which allowed the superstructure build to commence well ahead of conventional schedules. Return on investment savings were further realized from an early project completion date.

PROJECT PARTNERS

Owner
Gerding Edlen, Williams Development – Joint Venture, Portland, Oregon

Contractor
Hoffman Construction, Portland, Oregon

Designers
GBD Architects / KPFF Consultants
Portland, Oregon

Products
A572-GR50 Z-shaped Sheet Piles:
790 Tons

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For technical questions and engineering support, please contact us via our technical hotline at: **1-866-875-9546** or email us at: **engineering@nucorskyline.com**.