



Public Safety Complex / Advanced Manufacturing and Transportation Project

Project Team:

Architect: Lionakis

Project/Construction Manager: Critical Solutions, Inc.

Contractor: TBD

Schedule:

Programming: *Complete*

Schematic Design: *Complete*

Design Development: 02/2020

Construction Documents: 07/2020

DSA Submittal: 09/2020

Construction Start: TBD

Public Safety Complex / Advanced Manufacturing and Transportation Project

Project Description:

New facility to replace outdated facilities in Buildings 600A, 800 & 2200.

Programs included in Building 3400

- Administration of Justice
- Fire Service Technology
- Emergency Medical Services

Programs included in Building 3400

- Auto Technology
- Advanced Manufacturing
- Welding Technology

Square Footage:

- Building A (Bldg 3400): 17,800sf
- Building B (Bldg 3500): 24,350sf
+ 21,800sf covered outdoor yard

Shared support for both programs include faculty offices, conference and student gathering spaces.





OVERALL PROJECT VIEW

PUBLIC SAFETY COMPLEX / ADVANCED MANUFACTURING AND TRANSPORTATION PROJECT



OVERALL SITE PLAN

PUBLIC SAFETY COMPLEX / ADVANCED MANUFACTURING AND TRANSPORTATION PROJECT





PRELIMINARY RENDERING - FRONT ENTRY

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PRELIMINARY RENDERING - PROMENADE

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PRELIMINARY RENDERING - COVERED OUTDOOR YARD

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PRELIMINARY RENDERING - DEMONSTRATION COURTYARD

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PRELIMINARY RENDERING - NORTH CLASSROOM

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PRELIMINARY RENDERING - AUTOTECH

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PRELIMINARY RENDERING - STUDY AREA

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PRELIMINARY RENDERING - ENTRY

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A three-story fire training tower, the Deputy Chief offers four working deck levels. Similar to the Battalion Chief, the Deputy Chief resembles a residential building. However, this facility features a 30' tower, which is ideal for rappelling and laddering. Two burn rooms are standard on this model, one on the first floor and the other on the second floor.

TRAINING TOWER

Dimensions	12'L x 22'W x 30'H
Roof	Flat
Roof Live Load	100 PSF
Wind Load	Per Local Codes
Deck Live Load	100 PSF

- > Parapet Roof Guard with Chained Opening
- > Interior Stair to 3rd Floor
- > Interior Fixed Ladder, 3rd Floor to Roof
- > (1) 3'x7' Exterior Steel Door
- > (1) 3'x4' Window Opening with Steel Shutters
- > (1) Roof Hatch

BURN ROOM ANNEX

Dimensions	14'L x 22'W x 10'H
Roof	1/2" in 12" Single Pitch
Roof Live Load	100 PSF
Wind Load	Per Local Codes

- > (1) 3'x7' Exterior Steel Door
- > (3) 3'x4' Window Openings with Steel Shutters
- > (1) Westec™ Insulation System
- > (1) Scout Temperature Monitoring System

RESIDENTIAL SECTION

Dimensions	22'8"L x 22'W x 27'H
Roof	16° Gable
Roof Live Load	100 PSF
Wind Load	Per Local Codes
Deck Live Load	100 PSF

- > Roof Ladder Fender Brackets
- > (1) 3'x7' Exterior Steel Door
- > (1) 6'x7' Exterior Double Leaf Steel Door
- > (1) 3'x7' Interior Steel Door
- > (8) 3'x4' Window Openings with Steel Shutters
- > (1) 6'x4' Window Opening with Steel Shutters
- > (2) 3'x3' Hinged Gable Louvers
- > (2) 4'x4' Roof Chop-Out Curbs
- > (2) Drywall Curbs
- > (1) 2nd Floor Burn Room
- > (1) Westec™ Insulation System
- > (1) Scout Temperature Monitoring System