

# Central Terminal Expansion (CTE) Heating Ventilation Air Conditioning (HVAC) Upgrade C800722 WP# U00199

# Project Locations

New Space on South Mezzanine level

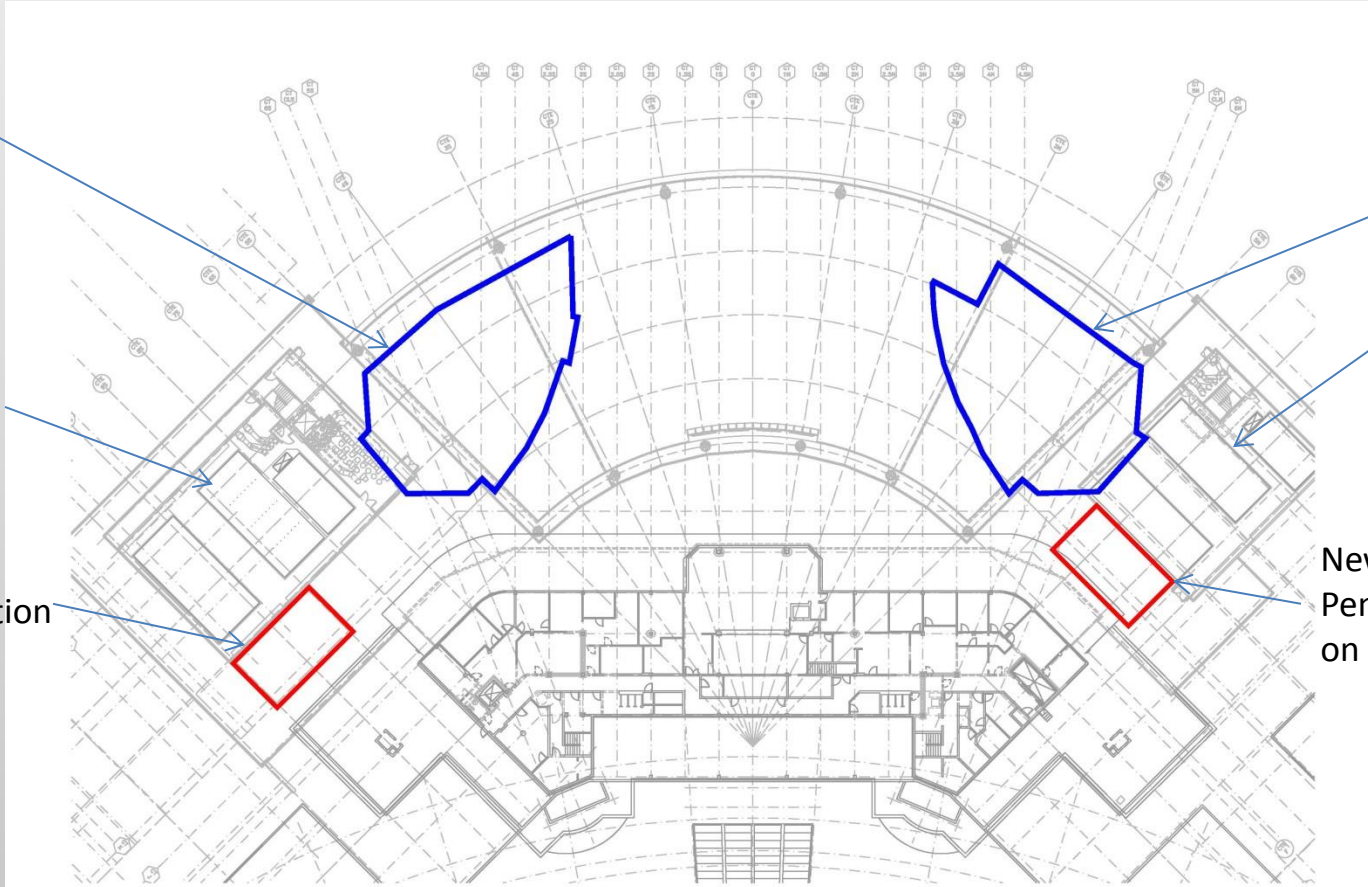
New Space on North Mezzanine level

Existing South Penthouse on roof

Existing North Penthouse on roof

New South Penthouse Addition on roof

New North Penthouse Addition on roof



Collocation of new & existing equipment is cost effective and efficient

# New Mezzanine Spaces as seen from CTE floor level

NEW SOUTH MEZZ SPACE



NEW NORTH MEZZ SPACE



6000 square feet of under utilized space made available with this project

# Project background

- CTE currently served by six Air Handling Units (AHU's).
- All six AHU's are operating at peak capacity.
- Additional passenger growth requires use of the North and South CTE mezzanines, which will require additional HVAC in support of this expansion.

CTE HVAC systems operating at peak capacity

# Project Scope

- Construction of two new roof top mounted AHU's in support of the planned expansion of the CTE North and South mezzanine spaces.
- Provide ductwork from the new AHU's to the CTE mezzanine level for future build-out and expansion.
- Improve CTE smoke control systems.

Complex construction required to accomplish this scope

# Project Schedule

- Start Design 2<sup>nd</sup> quarter 2015
- Complete Design 2<sup>nd</sup> quarter 2016
- Start Construction 3<sup>rd</sup> quarter 2016
- Complete Construction 4<sup>th</sup> quarter 2017

Complex design and construction due to project location

# Project Budget

- Design \$1,114,300
- Construction \$5,078,000
- Sales Tax \$420,000
- Total \$6,612,300

Project cost estimates remains unchanged since design authorization