SUPPORT AND BRACING OF NON-STRUCTURAL ELEMENTS

PROJECT DESCRIPTION

SCOPE OF WORK

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SHEET INDEX

APPLICABLE CODES

VICINITY MAP

SITE PLAN
PAINTED MTL. SIGN-ADJOINING SPACE. SEE RUNOFF AND/OR ADDITIONAL EXPENSES.

CONSTRUCTION, ANY RAMP, ELEVATOR OR SPECIAL ACCESS LIFT.

THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.

1008.1.9 & 1008.1.9.2.

REQUIRE THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. CBC 1008.1.9.1 & 1008.1.9.2.

MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE 2'-6" MAX. (E) CONCRETE VAULT

2'-4" HIGH.
CAST-IN-PLACE CONCRETE

1. All concrete shall be mixed in accordance with ACI 308 and the manufacturer's recommendations. Use ready-mixed concrete conforming to ASTM C 94.

2. All concrete shall be placed immediately after mixing and before the concrete begins to set. A good work-able mix shall be obtained with a maximum slump of 4 inches.

3. All concrete shall be vibrated to expel air and compact the concrete. Vibrators shall not rest on the forms for more than 1 minute. Groundwater shall not be used to moisten the forms during construction.

4. All concrete shall be protected from freezing temperatures. It is recommended that the concrete be covered with plastic sheeting or a similar material to prevent freezing and to retain the moisture content of the concrete.

5. All concrete shall be cured for a minimum of 7 days after removal from the forms. The concrete shall be allowed to cure until the design compressive strength is achieved.

TOLERANCE

1. All tolerances are given at 95% confidence level.

STRUCTURAL OBSERVATION

The design of the pavement shall be consistent with the guidelines of the International Code Council (ICC) and the American Concrete Institute (ACI). The structural observation shall include the following:

1. The pavement shall be designed to support the live and dead loads of the vehicles that will use the pavement.

2. The pavement shall be designed to resist the effects of temperature, moisture, and other environmental factors.

3. The pavement shall be designed to withstand the effects of construction and maintenance operations.

4. The pavement shall be designed to meet the requirements of the American Association of State Highway and Transportation Officials (AASHTO).

REINFORCING STEEL

1. All reinforcing steel shall be of the types and grades specified by the manufacturer and shall be in accordance with the ASTM A 615 and A 706 standards.

2. All reinforcing steel shall be placed in the forms and shall be welded or otherwise secured to prevent movement during the concrete cure.

3. All reinforcing steel shall be protected from moisture and other environmental factors.

SOILS AND FOUNDATIONS

1. The design of the pavement shall be consistent with the guidelines of the International Code Council (ICC) and the American Concrete Institute (ACI). The structural observation shall include the following:

2. The pavement shall be designed to support the live and dead loads of the vehicles that will use the pavement.

3. The pavement shall be designed to resist the effects of temperature, moisture, and other environmental factors.

4. The pavement shall be designed to withstand the effects of construction and maintenance operations.

5. The pavement shall be designed to meet the requirements of the American Association of State Highway and Transportation Officials (AASHTO).

STRUCTURAL TESTS AND INSPECTIONS

1. All structural tests and inspections shall be performed in accordance with the American Concrete Institute (ACI) guidelines.

2. All structural tests and inspections shall be performed before the pavement is opened for traffic.

3. All structural tests and inspections shall be performed by a qualified inspector.

4. All structural tests and inspections shall be documented and recorded.

EQUIPMENT ANCHORAGE

1. All equipment anchorage shall be designed to support the live and dead loads of the equipment that will use the pavement.

2. All equipment anchorage shall be designed to resist the effects of temperature, moisture, and other environmental factors.

3. All equipment anchorage shall be designed to withstand the effects of construction and maintenance operations.

4. All equipment anchorage shall be designed to meet the requirements of the American Association of State Highway and Transportation Officials (AASHTO).

DESIGN CRITERIA

1. All design criteria shall be in accordance with the American Concrete Institute (ACI) guidelines.

2. All design criteria shall be in accordance with the American Association of State Highway and Transportation Officials (AASHTO).

3. All design criteria shall be in accordance with the guidelines of the International Code Council (ICC).

4. All design criteria shall be in accordance with the guidelines of the American Society of Civil Engineers (ASCE).

GENERAL NOTES

1. All general notes shall be in accordance with the American Concrete Institute (ACI) guidelines.

2. All general notes shall be in accordance with the American Association of State Highway and Transportation Officials (AASHTO).

3. All general notes shall be in accordance with the guidelines of the International Code Council (ICC).

4. All general notes shall be in accordance with the guidelines of the American Society of Civil Engineers (ASCE).