

35 STACKERS
142 AT-GRADE
212 TOTAL SPACE

STOP

2" H. CONT. HIGHWAY RAIL
SEE DETAIL ON A-605.

NEW SUMP PIT W/ NEW
TRIPLEX PUMP
11'-5 1/4" X 8'-5 1/4" X 6'-0" DEEP (V.I.F.)
CONCRETE PIT W/ STEEL FRAME
AND COVER. PIT EL. +7'-6 3/4"

NEW 4'X5' ACCESS TO PUMPS

TRAVEL DISTANCE PROVIDED 192'-3"
MAX. TRAVEL DISTANCE FROM S-2: 250'-0"
AS PER SECTION 1015.1

2" H. CONT.
HIGHWAY RAIL,
SEE DETAIL ON
A-605.

6" H. CONC.
CURB

6" H. CONC. CURB

2" HIGH CONT.
HIGHWAY RAIL

PARKING
ATTENDANTS
OFFICE
108 SQ. FT.

STAFF
BATHROOM
T.

GARAGE
BATHROOM
T.

MEN'S STAFF
CHANGING ROOM
BENCH

WOMEN'S STAFF
CHANGING ROOM
BENCH

40'-4 1/2"

48" H X 8" DIA. CONCRETE
FILLED STEEL BOLLARD

1:12 INSULATED METAL
PANELS PAINTED TO
MATCH WINDOW
MULLIONS SECURED TO
GARAGE RAMP WALLS
AND UNDERSIDE OF
SLAB ABOVE

41'-2 1/2"

TRENCH DRAIN

INSULATED AUTOMATIC
ELECTRIC OPERATED
OVERHEAD DOOR

CONCRETE FILL TO BE
FEATHERED TO ALIGN
WITH ADJACENT SLABS
(1:20 MAX. SLOPE)

T.O. FILL
EL. +40'-8 1/2"

T.O.S.
EL. +40'-8 1/2"

T.O. NEW SLAB
EL. +40'-4 1/2"

1607.7.2 Grab bars, shower seats and dressing room bench seats. Grab bars, shower seats and dressing room bench seat systems shall be designed to resist a single concentrated load of 250 pounds (1.11 kN) applied in any direction at any point.

1607.7.3 Vehicle barrier systems. Vehicle barrier systems for passenger vehicles shall be designed to resist a single load of 6,000 pounds (26.70 kN) applied horizontally in any direction to the barrier system and shall have anchorage or attachment capable of transmitting this load to the structure. For design of the system, two loading conditions shall be analyzed. The first

condition shall apply the load at a height of 1 foot, 6 inches (457 mm) above the floor or ramp surface. The second loading condition shall apply the load at 2 feet, 3 inches (686 mm) above the floor or ramp surface. The more severe load condition shall govern the design of the barrier restraint system. The load shall be assumed to act on an area not to exceed 1 square foot (0.0929 m²), and is not required to be assumed to act concurrently with any handrail or guard loadings specified in Section 1607.7.1. Garages accommodating trucks and buses shall be designed in accordance with a recognized method acceptable to the commissioner that contains provision for traffic railings.

