

SEE PLAN ON
DETAIL W/4.00

CAST IN PLACE CONCRETE TOP SLAB THICKNESS & REINFORCING				
Q	T	"X" BARS	"Y" BARS	"Z" BARS
4'-0"	8"	#7@8"C/C	#5@6"C/C	#5@6"C/C
5'-0"	9"	#7@7"C/C	#5@6"C/C	#6@6"C/C
6'-0"	10"	#7@7"C/C	#5@6"C/C	#6@6"C/C
7'-0"	11"	#7@7"C/C	#5@6"C/C	#6@6"C/C
8'-0"	12"	#7@7"C/C	#5@6"C/C	#6@6"C/C
9'-0"	13"	#7@7"C/C	#5@6"C/C	#6@6"C/C
10'-0"	14"	#7@6"C/C	#6@8"C/C	#6@6"C/C

PRECAST CONCRETE TOP SLAB THICKNESS & REINFORCING				
Q	T	"X" BARS	"Y" BARS	"Z" BARS
4'-0"	8"	#6@7"C/C	#6@9"C/C	#6@8"C/C
5'-0"	8"	#7@6"C/C	#6@7"C/C	#6@8"C/C
6'-0"	9"	#7@6"C/C	#6@7"C/C	#6@6"C/C
7'-0"	10"	#7@6"C/C	#6@7"C/C	#6@6"C/C
8'-0"	11"	#7@6"C/C	#6@7"C/C	#6@6"C/C
9'-0"	11"	#8@7"C/C	#6@6"C/C	#6@6"C/C
10'-0"	12"	#8@7"C/C	#6@6"C/C	#6@6"C/C

NOTES:

1. LOADING:

A. CAST IN PLACE CONCRETE: TOP SLABS HAVE BEEN DESIGNED FOR THE FOLLOWING LOADING CONDITIONS:

1. H20LL + 20% IMPACT + 1'-0" EARTH COVER.
2. H20LL + 0% IMPACT + 8'-0" MAXIMUM EARTH COVER.

B. PRECAST CONCRETE: TOP SLABS HAVE BEEN DESIGNED FOR THE FOLLOWING LOADING CONDITIONS:

1. H20LL + 20% IMPACT + 1'-0" EARTH COVER.
2. H20LL + 0% IMPACT + 5'-0" MAXIMUM EARTH COVER.

2. CAST IN PLACE CONCRETE: $f'_c = 4000$ PSI @ 28 DAYS.

3. PRECAST CONCRETE: $f'_c = 5000$ PSI @ 28 DAYS.

4. REINFORCING STEEL: ASTM A615 - GRADE 610



CHARLES COUNTY GOVERNMENT

DEPARTMENT OF PLANNING & GROWTH MANAGEMENT

APPROVED: Raymond N. Shumaker, Jr. Oct 5, 2022
Raymond N. Shumaker, Jr. (Oct 5, 2022 12:20 EDT)

J. B. ... Oct 5, 2022
CHIEF OF CODES, PERMITS, & INSPECTION SERVICES
 PROFESSIONAL ENGINEER DATE

STANDARD DETAIL

CAST IN PLACE &
PRECAST CONCRETE TOP
SLAB REINFORCING
DETAILS

W
4.01

REVISIONS:
JUNE 1995
SEPTEMBER 2022