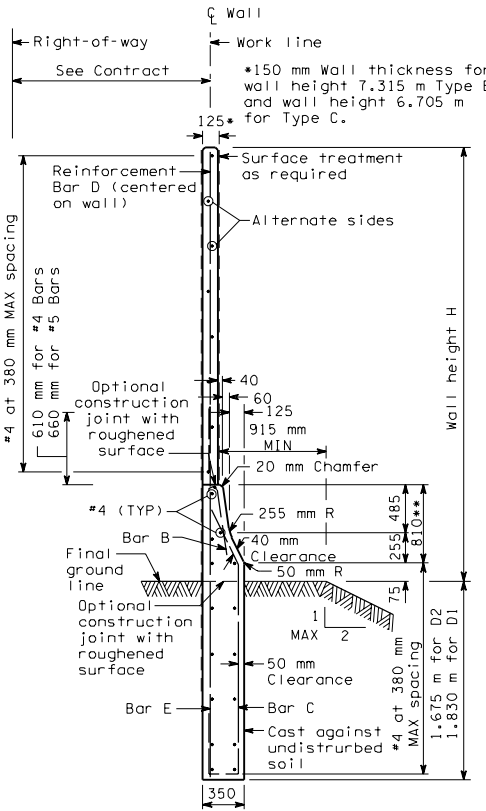
WALL HT H (m)	TYPE 5A BAR B and C (mm)	TYPE 5A BAR D and E (mm)	TYPE 5B BAR B and C (mm)	TYPE 5B BAR D and E (mm)	TYPE 5C BAR B and C (mm)	TYPE 5C BAR D and E (mm)	TYPE 5D BAR B and C (mm)	TYPE 5D BAR D and E (mm)	WALL HT H (m)
1.830	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	1.830
2.440	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	2.440
3.050	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	3.050
3.660	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 380	#4 at 305	#4 at 305	3.660
4.265	#4 at 380	#4 at 380	#4 at 280	#4 at 280	#4 at 280	#4 at 280	#4 at 255	#4 at 255	4.265
4.875	#4 at 355	#4 at 355	#4 at 255	#4 at 255	#4 at 255	#4 at 255	#4 at 305	#5 at 305	4.875
5.485	#4 at 255	#4 at 305	#4 at 255	#5 at 305	#4 at 255	#4 at 255	#4 at 230	#5 at 230	5.485
6.095	#4 at 255	#4 at 255	#4 at 230	#5 at 230	#4 at 255	#4 at 190	#4 at 230	#5 at 165	6.095
6.705	#4 at 255	#4 at 205	#4 at 230	#5 at 165	#4 at 255	#4 at 150	#4 at 230	#5 at 150	6.705
7.315	#4 at 255	#4 at 150	#4 at 230	#5 at 150	#4 at 255	#4 at 100	#4 at 230	#5 at 125	7.315

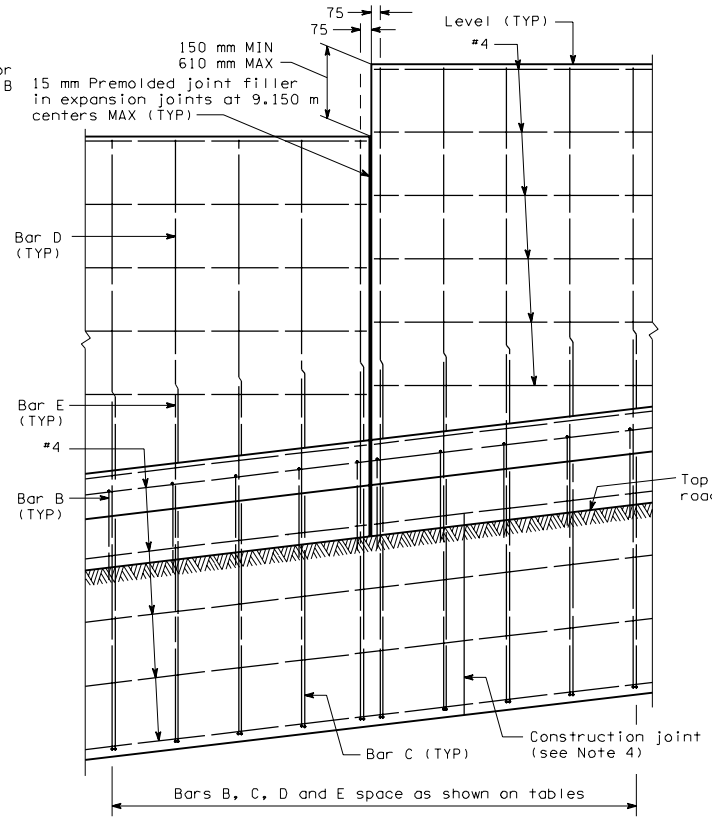
NOTES

1. Wall to be designated Noise Barrier Type 5A, 5B, 5C or 5D. The Contract specifies actual wall designations.
2. For intermediate wall heights, use the next higher H.
3. Panels shall have at least 915 mm MIN of level ground on each side.
4. Construction joints in the footing shall be spaced at 36.575 m maximum.
5. The Contract specifies actual foundation requirements D1 or D2.

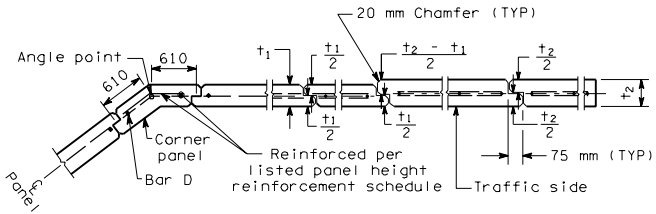


TYPICAL SECTION

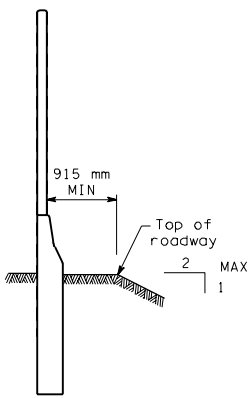
**Height may vary if required to provide a smooth profile consistent with the roadway profile



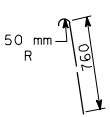
ELEVATION



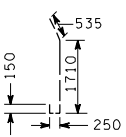
JOINT AND CORNER DETAIL



TRENCH FOOTING



BAR B



BAR C

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

NOISE BARRIER - TYPE 5
CAST-IN-PLACE WITH TRAFFIC BARRIER ON TRENCH FOOTINGS

STANDARD PLAN D-2e

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER — DATE

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON