STANDARD NO. HR-1

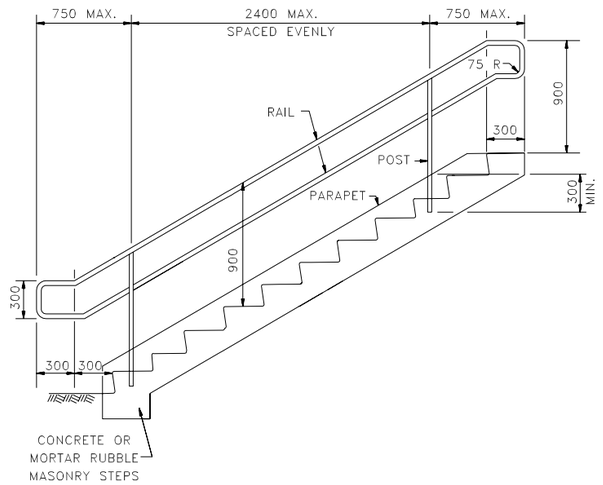
REVISION DATE
7-13-01

*.DGN FILE NAME
HR-1

METRIC STANDARD PLANS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION, CONCORD, N.H.

STANDARD NO. HR-1



GENERAL NOTES

1. RAIL SHALL BE 32 mm TO 40 mm O.D.
2. POSTS SHALL BE 32 mm NOMINAL.
3. POSTS SHALL BE CENTERED IN PARAPET OF STEPS.
4. HANDRAILS SHALL BE INSTALLED ON BOTH SIDES OF STEPS.
5. THE MINIMUM SPACING BETWEEN HANDRAILS IS 900 mm, MAXIMUM 1500 mm.
6. ITEM NO: 606.610X – STEP HANDRAIL, (MATERIAL).

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

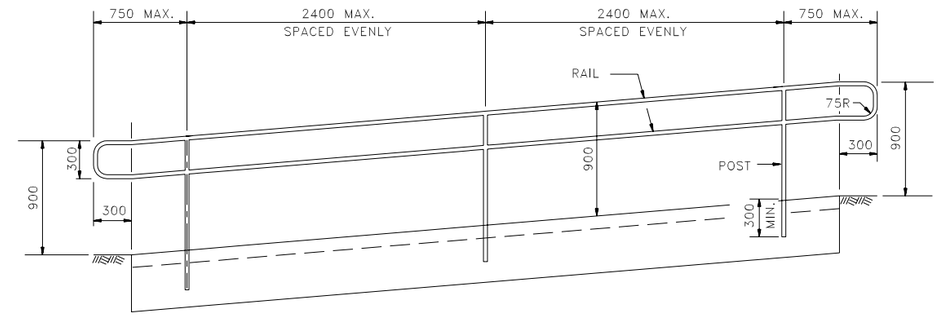
NHDOT STANDARD PLANS

STEP HANDRAIL

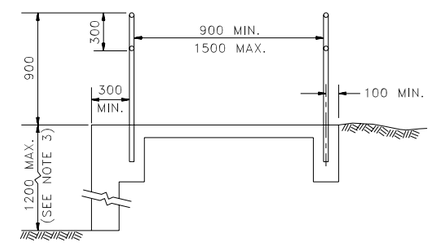
REV. DATE

PLATE 1

STANDARD HR-1



ELEVATION



CROSS-SECTION

GENERAL NOTES

1. RAIL SHALL BE 32 mm TO 40 mm O.D.
2. POSTS SHALL BE 32 mm NOMINAL.
3. WHEN THIS DIMENSION EXCEEDS 1200 mm, A GUARD IS REQUIRED (SEE PLATE 3).
4. ITEM NO: 606.620X – RAMP HANDRAIL, (MATERIAL).

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

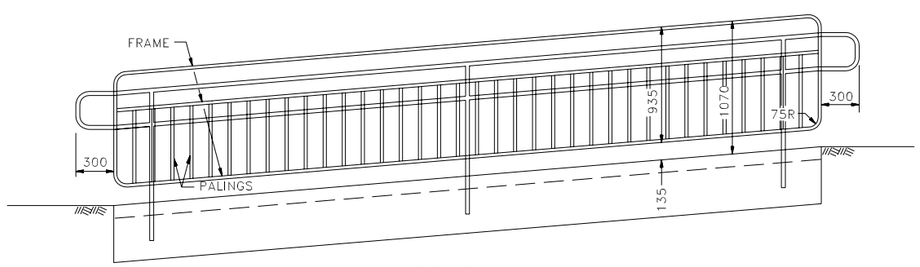
NHDOT STANDARD PLANS

RAMP HANDRAIL

REV. DATE

PLATE 2

STANDARD HR-1



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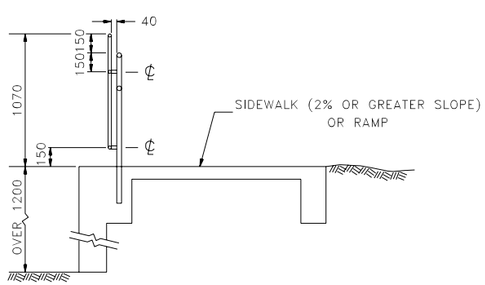


CROSS-SECTION

GENERAL NOTES

1. FOR DETAILS OF HANDRAIL, SEE PLATE 2.
2. FRAME AND CONNECTORS TO HANDRAIL SHALL BE 25 mm NOMINAL.
3. PALINGS SHALL BE 19 mm NOMINAL SPACED 150 mm ON CENTER.
4. ITEM NO: 606.611X – STEP HANDRAIL W/ GUARD, (MATERIAL); 606.621X – RAMP HANDRAIL W/ GUARD, (MATERIAL).

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

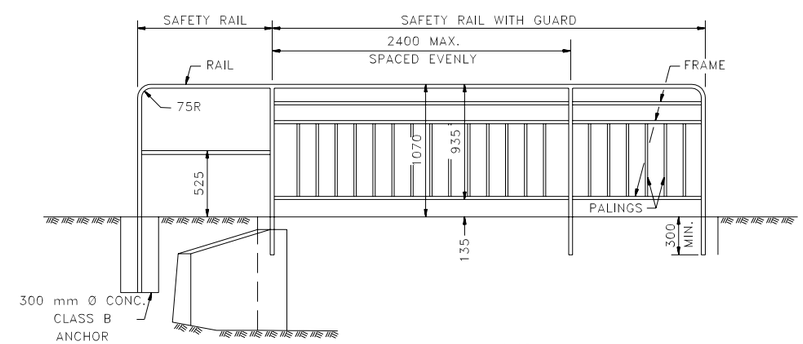
NHDOT STANDARD PLANS

GUARD FOR HANDRAIL

REV. DATE

PLATE 3

STANDARD HR-1



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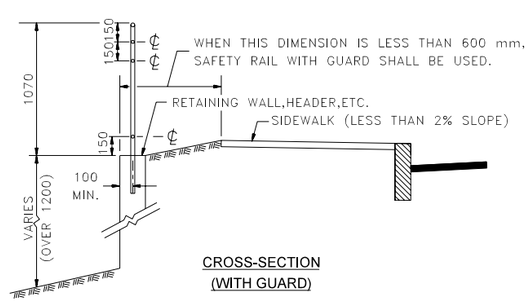

CROSS-SECTION
(WITH GUARD)

GENERAL NOTES

1. RAIL, POSTS, AND HORIZONTAL MEMBER OF SAFETY RAIL WITHOUT GUARD SHALL BE 32 mm NOMINAL.
2. FRAME SHALL BE 25 mm NOMINAL.
3. PALINGS SHALL BE 19 mm NOMINAL SPACED 150 mm ON CENTER.
4. ITEM NO: 606.630X – SAFETY RAIL, (MATERIAL); 606.631X – SAFETY RAIL W/ GUARD, (MATERIAL).

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

NHDOT STANDARD PLANS

SAFETY RAIL &
SAFETY RAIL WITH GUARD

REV. DATE

PLATE 4

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METRIC STANDARD PLANS

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