TABLE OF CONTENTS – SHEET 1

ABBREVIATIONS

CD = ROADWAY
TCD = TRAFFIC CONTROL DETAILS
BCD = BRIDGE CONSTRUCTION DETAILS

BDC17D-10-REVISED
BDC17D-02-REVISED
BDC06D-01-ORIGINAL SHEET

INDEX FOR STANDARD ROADWAY CONSTRUCTION DETAILS

INDEX SHEET 1

BDCITD-10-REVISED
BDCITD-02-REVISED
BDCSSD-01-ORIGINAL SHEET

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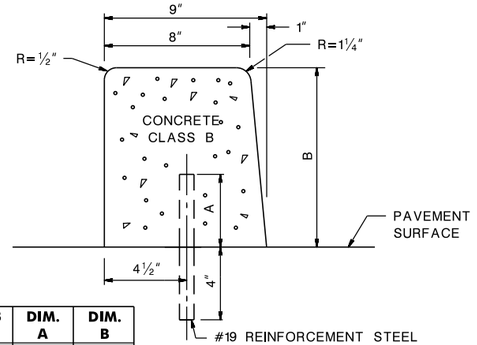
GENERAL NOTES APPLYING TO ALL TYPES OF DOWELLED CURBS

1. CONSTRUCT THE TRANSVERSE JOINTS AS SPECIFIED FOR THE CURB, EXCEPT THAT THE THICKNESS OF THE JOINT FILLER IN THE CURB TO BE AS FOLLOWS:
   (a) ½ INCH FOR INTERMEDIATE JOINTS AND JOINTS OVER DEFINITE CRACKS.
   (b) ½ INCH OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS 50 FEET OR LESS.
   (c) 1 INCH OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS MORE THAN 50 FEET VARIABLE IN MULTIPLES OF ½ INCH BUT NOT LESS THAN THE EXISTING WIDTH OF THE TRANSVERSE JOINTS IN BRIDGES AND THE JOINTS BETWEEN THE APPROACH SLABS AND BRIDGES.
2. FOR THICKNESS OF 1 INCH OR MORE, LAYERS OF ½ INCH MATERIAL MAY BE GLUED OR OTHERWISE FASTENED TOGETHER BY A MEANS SATISFACTORY TO THE RE. WHERE THE REQUIRED JOINT OPENING EXCEEDS 1 INCH, THE CONTRACTOR MAY CONSTRUCT OPEN JOINTS, IF DESIRED.
3. WHERE DOWELLED CURB IS TO BE CONSTRUCTED ACROSS A LONGITUDINAL JOINT IN THE EXISTING PAVEMENT, THE DOWELS IN THE SHORTER PORTION OF THE CURB PANEL ARE TO BE OMITTED AND THE CURB IN THE PORTION OF THE PANEL TO BE CONSTRUCTED WITH 45# SMOOTH ROLL ROOFING BETWEEN IT AND THE EXISTING PAVEMENT.

CD-607-1.1

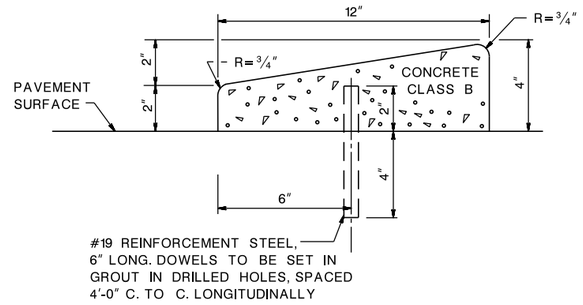


CURB SIZE	DIM. A	DIM. B
9″x4″	2″	4″
9″x6″	4″	6″

#19 REINFORCEMENT STEEL 6″ OR 8″ LONG. DOWELS TO BE SET IN GROUT IN DRILLED HOLES, SPACED 4′-0″ C. TO C. LONGITUDINALLY

9″ x __″ CONCRETE VERTICAL CURB, DOWELLED

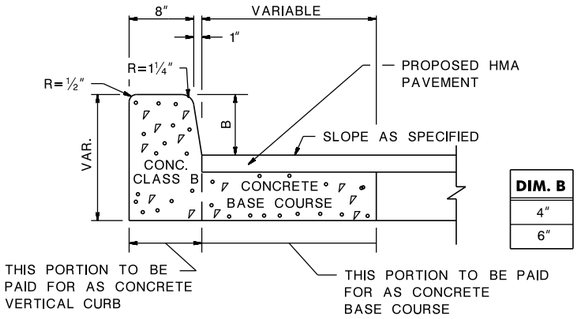
CD-607-1.2



#19 REINFORCEMENT STEEL, 6″ LONG. DOWELS TO BE SET IN GROUT IN DRILLED HOLES, SPACED 4′-0″ C. TO C. LONGITUDINALLY

12″ x 3″ CONCRETE SLOPING CURB, DOWELLED

CD-607-1.3

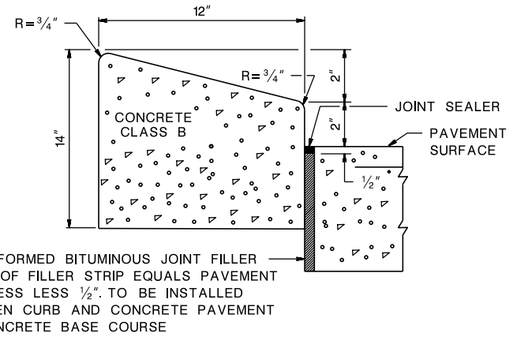


DIM. B
4″
6″

NOTES:
EXPANSION JOINTS ½ INCH WIDE IN THE CURB, AND EXPANSION JOINT ASSEMBLY IN THE MONOLITHIC PAVEMENT STRIP TO BE DIRECTLY OPPOSITE EVERY TRANSVERSE JOINT IN THE CENTRAL PAVEMENT STRIPS.
JOINT MATERIAL IN THE CURB TO BE AS SPECIFIED FOR CONCRETE VERTICAL CURB. THE TRANSVERSE EXPANSION JOINT MATERIAL NOT TO EXTEND THROUGH THE CURB.

CONCRETE VERTICAL CURB MONOLITHIC WITH CONCRETE BASE COURSE

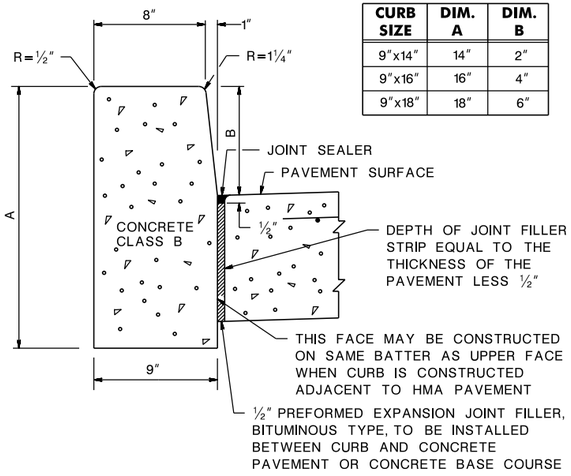
CD-607-1.4



½″ PREFORMED BITUMINOUS JOINT FILLER DEPTH OF FILLER STRIP EQUALS PAVEMENT THICKNESS LESS ½″. TO BE INSTALLED BETWEEN CURB AND CONCRETE PAVEMENT OR CONCRETE BASE COURSE

12″ x 13″ CONCRETE SLOPING CURB

CD-607-1.5



CURB SIZE	DIM. A	DIM. B
9″x14″	14″	2″
9″x16″	16″	4″
9″x18″	18″	6″

CONCRETE VERTICAL CURB

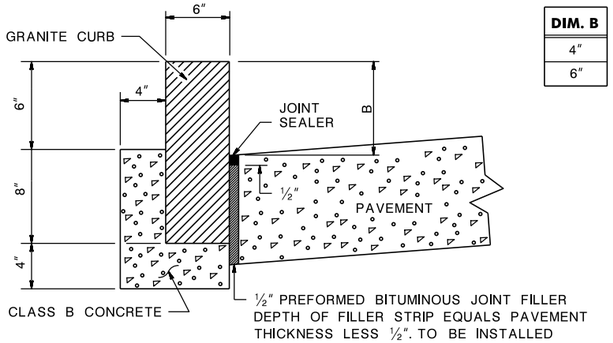
CD-607-1.6

DIM. B
4″
6″

NOTES:
EXPANSION JOINTS ½ INCH WIDE IN THE CURB, AND EXPANSION JOINT ASSEMBLY IN THE MONOLITHIC PAVEMENT STRIP TO BE DIRECTLY OPPOSITE EVERY TRANSVERSE JOINT IN THE CENTRAL PAVEMENT STRIPS.
JOINT MATERIAL IN THE CURB TO BE AS SPECIFIED FOR CONCRETE VERTICAL CURB. THE TRANSVERSE EXPANSION JOINT MATERIAL NOT TO EXTEND THROUGH THE CURB.

CONCRETE VERTICAL CURB MONOLITHIC WITH CONCRETE PAVEMENT

CD-607-1.7



DIM. B
4″
6″

½″ PREFORMED BITUMINOUS JOINT FILLER DEPTH OF FILLER STRIP EQUALS PAVEMENT THICKNESS LESS ½″. TO BE INSTALLED BETWEEN CURB AND CONCRETE PAVEMENT OR CONCRETE BASE COURSE

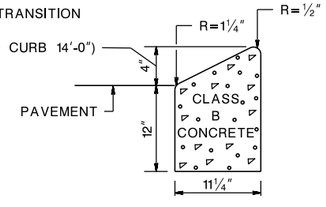
NOTE:
FOUNDATION TO BE INSTALLED THE ENTIRE LENGTH OF THE GRANITE CURB.

NEW OR RESET GRANITE CURB

CD-607-1.8

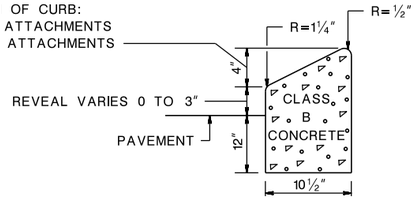
NOTES:
1. PAYMENT FOR LIP CURB WILL BE MADE UNDER 9″ x 16″ CONCRETE VERTICAL CURB.
2. SEE BRIDGE ATTACHMENT DETAILS ON SHEETS CD-609-14 THRU CD-609-17E.

AT END OF CURB, TRANSITION TO 0″ OVER 3′-4″ (TOTAL LENGTH OF CURB 14′-0″)



TYPE B ATTACHMENT

AT END OF CURB, TRANSITION TO 0″ OVER 3′-4″
TOTAL LENGTH OF CURB:
17′-0″ FOR TL-3 ATTACHMENTS
24′-6″ FOR TL-2 ATTACHMENTS



TYPE A ATTACHMENT

LIP CURB FOR BEAM GUIDE RAIL ATTACHMENTS

CD-607-1.9

CONCRETE AND GRANITE CURB

N.T.S.

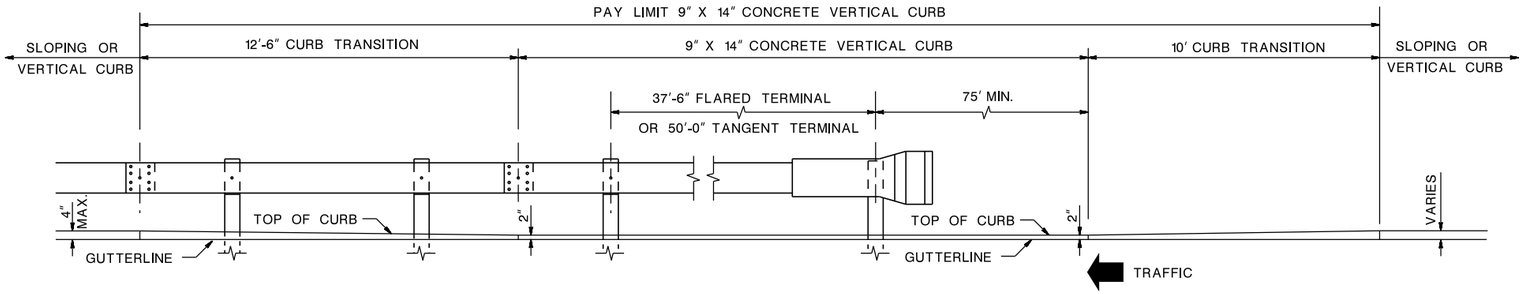
NOTE:
REINFORCEMENT STEEL IS IN METRIC UNITS.
HMA = HOT MIX ASPHALT

CD-607-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION

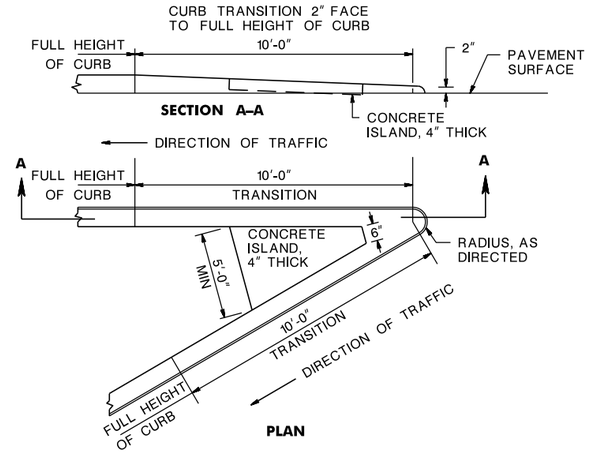
CONSTRUCTION DETAILS

BDC17D-10-9"x14" VERTICAL CURB ADDED
BDC17D-02-REVISIONS TO CD-607-1.9
BDC08J-01-ORIGINAL SHEET



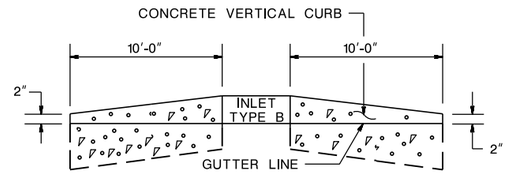
METHOD OF TRANSITIONING CURB AT A FLARED OR TANGENT GUIDE RAIL TERMINAL

CD-607-2,1



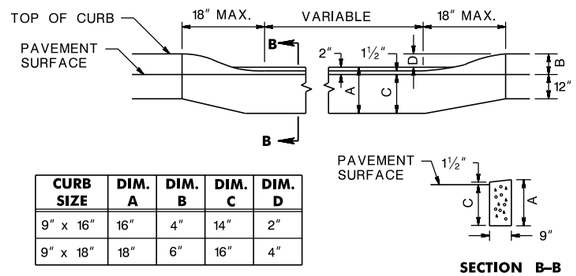
APPROACH CURBED GORE AREA TREATMENT

CD-607-2.3



CURB TREATMENT AT BERM SECTION AND ALL CURB ENDS

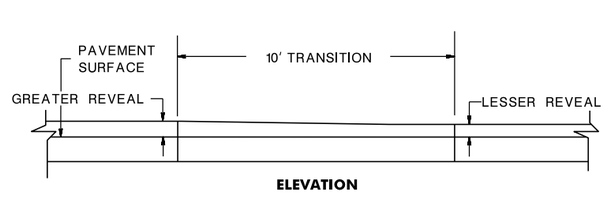
CD-607-2.2



CURB SIZE	DIM. A	DIM. B	DIM. C	DIM. D
9″ x 16″	16″	4″	14″	2″
9″ x 18″	18″	6″	16″	4″

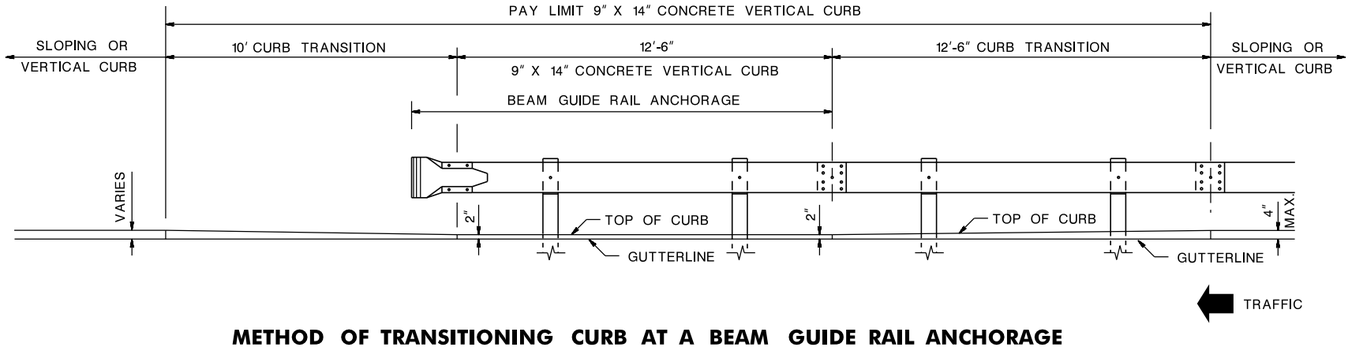
METHOD OF DEPRESSING CURB AT DRIVEWAYS

CD-607-2.4



LINEAR CURB TRANSITION

CD-607-2.5



METHOD OF TRANSITIONING CURB AT A BEAM GUIDE RAIL ANCHORAGE

CD-607-2.6

CURB TRANSITIONS

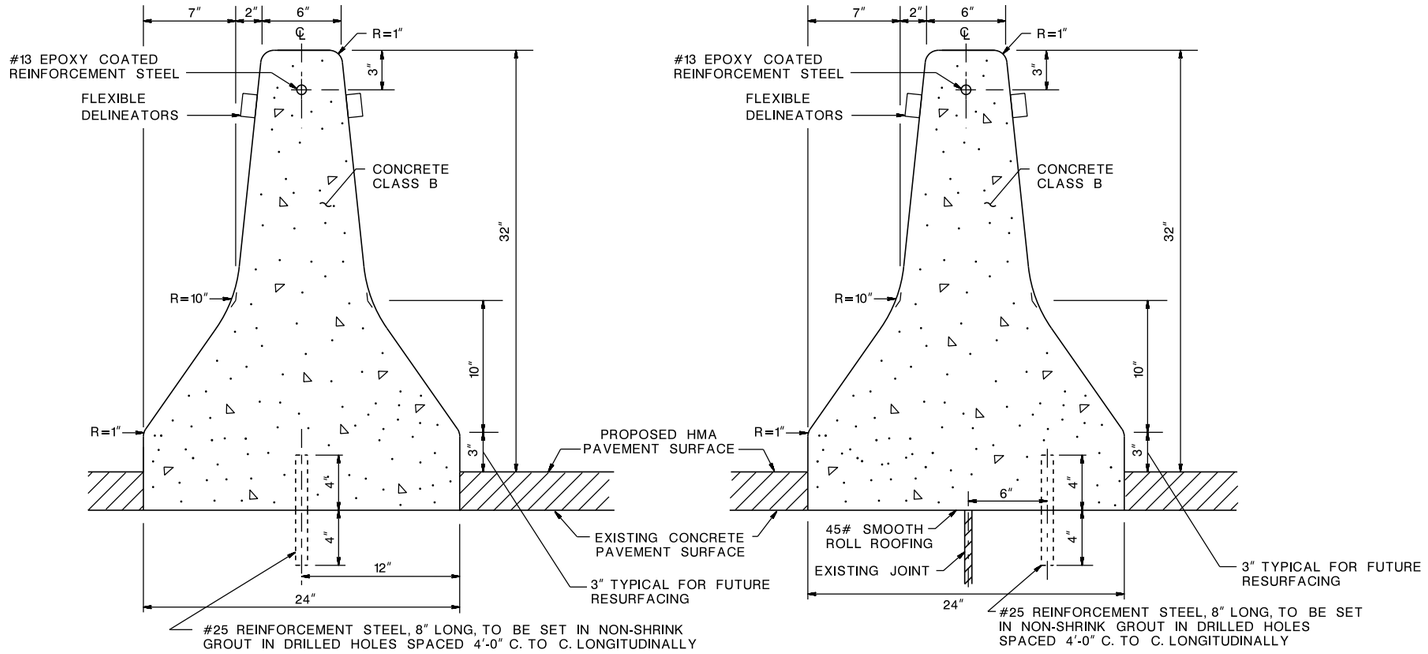
N.T.S.

CD-607-2

NEW JERSEY DEPARTMENT OF TRANSPORTATION

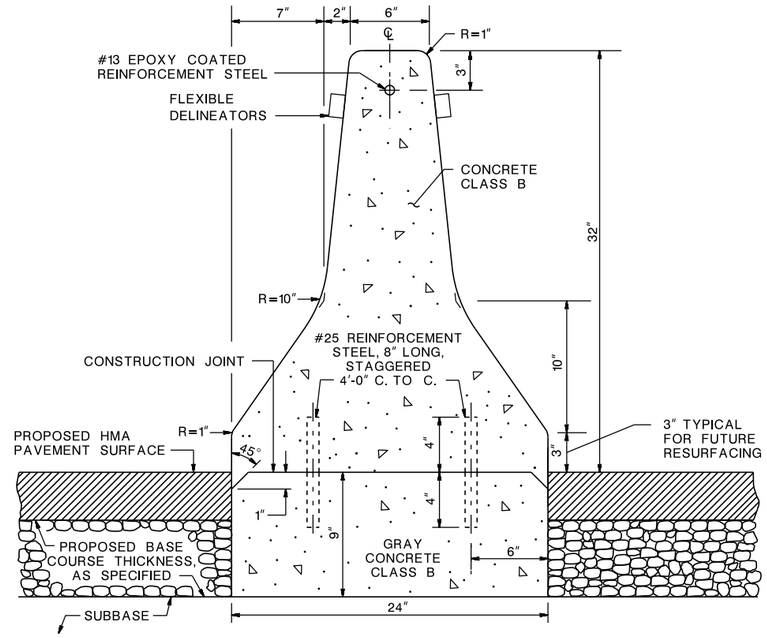
CONSTRUCTION DETAILS

BDC17D-0b-TRANSITON WITH GUIDE RAIL ADDED
BDC17D-02-MASH TITLE ADDED
BDC16D-01-ORIGINAL SHEET



24″ x ___ ″ CONCRETE BARRIER CURB, DOWELLED

CD-607-3.1



24″ x 41″ CONCRETE BARRIER CURB

CD-607-3.2

GENERAL NOTES:

(A) WHERE DOWELLED BARRIER CURB IS TO BE CONSTRUCTED ON EXISTING CONCRETE PAVEMENT OR EXISTING CONCRETE BASE COURSE:

(1) INSTALL TRANSVERSE JOINTS IN THE CURBS AT AND DIRECTLY OVER TRANSVERSE JOINTS IN THE PAVEMENT. TREAT DEFINITE CRACKS THROUGH THE PAVEMENT AS JOINTS. ALSO CONSTRUCT ADDITIONAL JOINTS IN THE CURB SO SPACED AS TO MAKE EQUAL SECTIONS NOT OVER 15′-0″ IN LENGTH.

(2) FILL THE TRANSVERSE JOINTS WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213 SPECIFICATION, RECESSED ¼″ FROM FACES AND TOP OF CURB. THE THICKNESS OF THE TRANSVERSE EXPANSION JOINT FILLER IS AS FOLLOWS:

(a) ½″ FOR IMMEDIATE JOINTS AND JOINTS OVER DEFINITE CRACKS, ½″ OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS 50 FEET OR LESS, 1″ OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS MORE THAN 50 FEET.

(b) VARIABLE IN MULTIPLES OF ½″ BUT NOT LESS THAN THE EXISTING WIDTH OF THE TRANSVERSE JOINTS IN BRIDGES AND JOINTS BETWEEN THE APPROACH SLABS AND BRIDGES.

(c) THE THICKNESS OF 1″ OR MORE LAYERS OF ½″ MATERIAL MAY BE GLUED OR OTHERWISE FASTENED TOGETHER BY A MEANS SATISFACTORY TO THE RE. WHERE THE REQUIRED JOINT OPENING EXCEEDS 1″, THE CONTRACTOR MAY CONSTRUCT OPEN JOINTS.

(3) CLEAN THE SURFACE OF THE EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE AS SPECIFIED IN THE SPECIFICATIONS PRIOR TO THE CONSTRUCTION OF THE CURB THEREON.

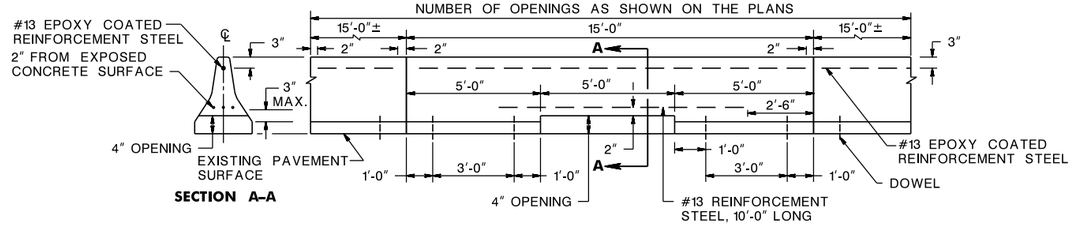
(B) WHERE DOWELLED BARRIER CURB IS TO BE CONSTRUCTED ACROSS A LONGITUDINAL JOINT IN THE EXISTING CONCRETE OR BASE COURSE, OMIT THE DOWELS IN THE SHORTER PORTION OF THE CURB. CONSTRUCT THE CURB IN THIS PORTION OF THE PANEL WITH 45# SMOOTH ROLL ROOFING BETWEEN IT AND THE EXISTING PAVEMENT.

(C) WHERE BARRIER CURB IS TO BE CONSTRUCTED ON PROPOSED CONCRETE BASE, INSTALL TRANSVERSE JOINTS ½″ WIDE IN THE BASE 20′-0″ APART AND IN THE BARRIER CURB DIRECTLY OVER JOINTS IN THE BASE. FILL THE JOINTS WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213 SPECIFICATION, RECESSED ¼″ FROM FACES AND TOP OF CURB.

(D) THE FINISHED SURFACE OF THE BARRIER CURB IS TO BE SMOOTH, DENSE UNPITTED AND FREE FROM AIR BUBBLE POCKETS, DEPRESSIONS, AND HONEYCOMBS. IF THE RE DEEMS IT NECESSARY, THE CURB IS TO BE GIVEN A WOOD FLOAT FINISH RUBBED WITH A MIXTURE OF CEMENT, SAND, AND WATER TO OBTAIN THE ABOVE MENTIONED FINISHED SURFACE.

(E) INSTALL FLEXIBLE DELINEATORS ON BARRIER CURB.

(F) REINFORCEMENT STEEL IS IN METRIC UNITS.



SECTION A–A

OPENINGS TO BE CONSTRUCTED IN BARRIER CURB

HMA = HOT MIX ASPHALT

MASH TL–3 NJ BARRIER CURB

CD-607-3.3

BARRIER CURB

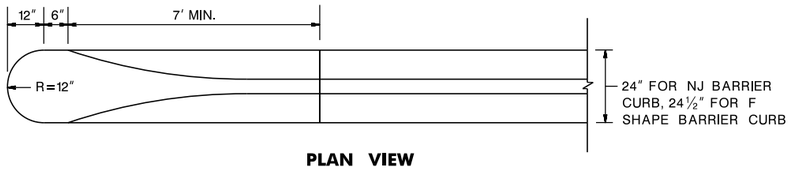
N.T.S.

CD-607-3

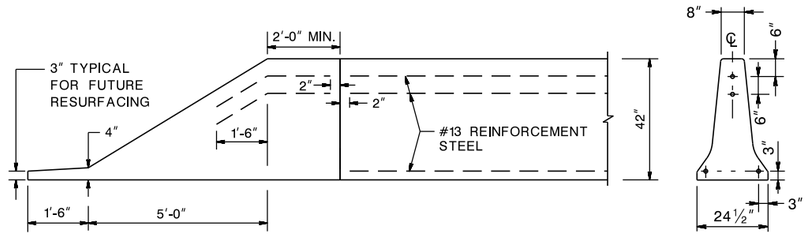
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

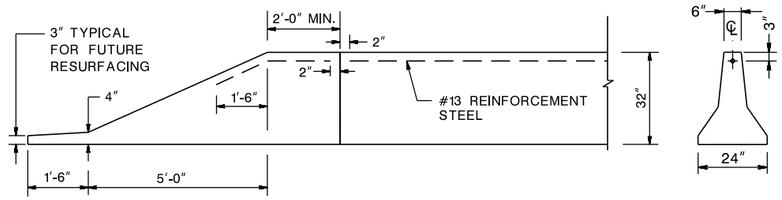
BDC17D-10-CD-607-3.1 & CD-607-3.2 TEXT REVISED
BDC17D-09-MASH TITLE ADDED
BDC16D-01-ORIGINAL SHEET



PLAN VIEW



42″ F SHAPE BARRIER CURB TAPERED END



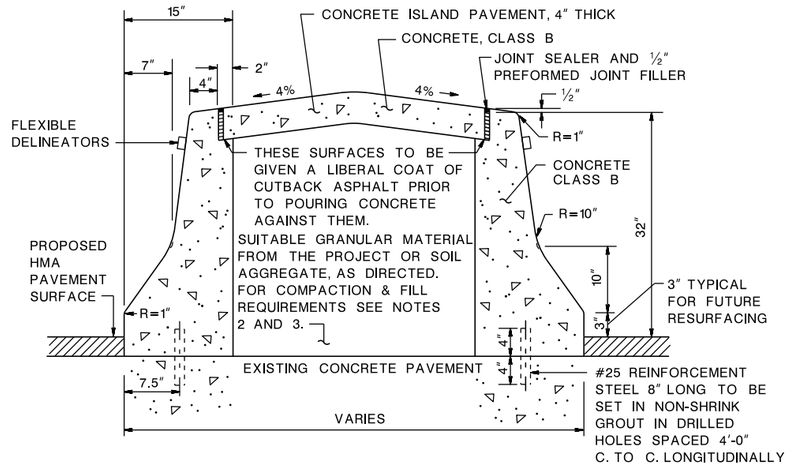
32″ NJ BARRIER CURB TAPERED END

NOTES:

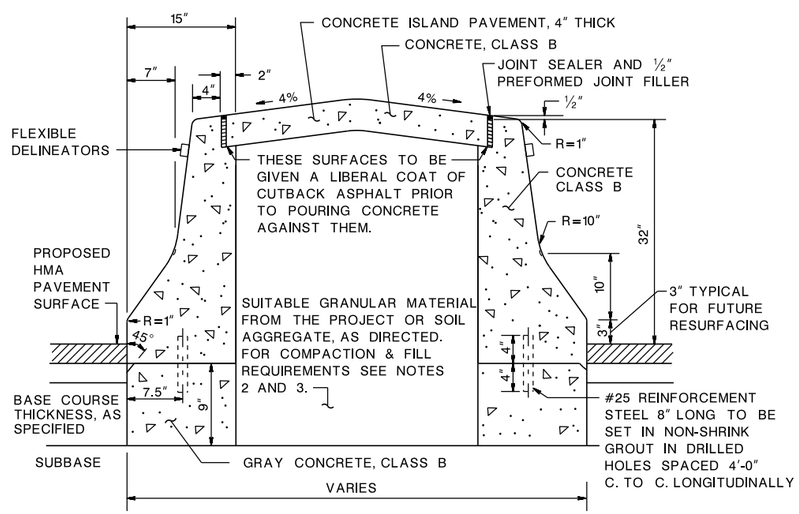
1. THIS DETAIL IS TO BE USED ONLY AT THE TRAILING END OF BARRIER CURB SEPARATING SAME DIRECTION TRAFFIC OR WHERE THE TERMINAL IS BEYOND THE CLEAR ZONE.
2. REINFORCEMENT STEEL IS IN METRIC UNITS.
3. PAYMENT FOR NJ BARRIER CURB TAPERED END WILL BE MADE UNDER ITEM "CONCRETE BARRIER CURB". PAYMENT FOR F SHAPE BARRIER CURB TAPERED END WILL BE MADE UNDER "F SHAPE CONCRETE BARRIER CURB".

BARRIER CURB TAPERED END

CD-607-6.1



15″ x VARIABLE HEIGHT CONCRETE BARRIER CURB, DOWELLED



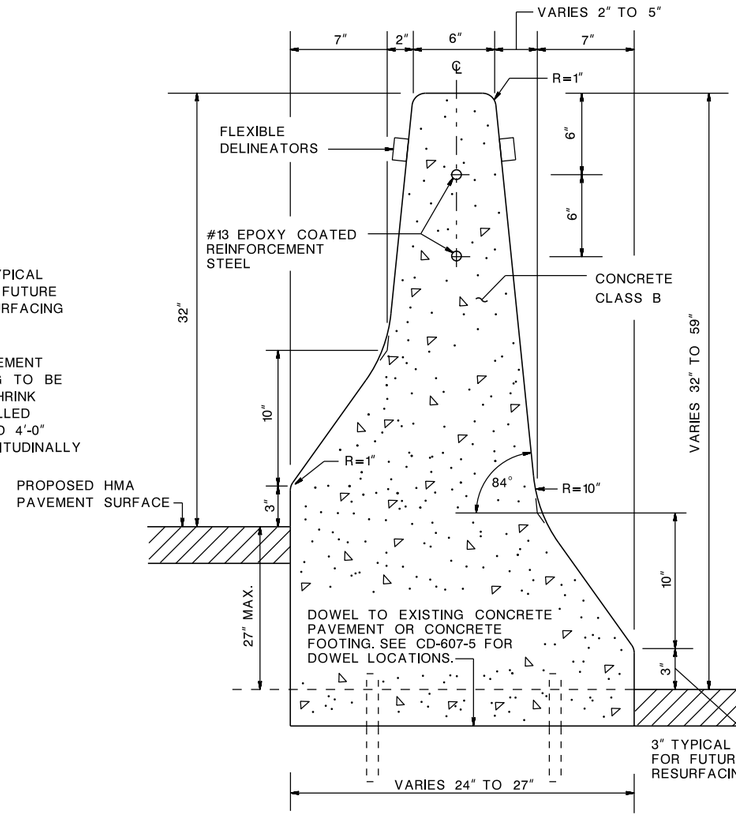
15″ x 41″ CONCRETE BARRIER CURB

NOTES:

1. SEE GENERAL NOTES APPLYING TO ALL BARRIER CURB CD-607-3.
2. COMPACT ACCORDING TO SUBSECTION 202.03.
3. SHAPE AND COMPACT THE FILL BETWEEN THE CURBS TO A FIRM EVEN SURFACE. REMOVE UNSUITABLE MATERIAL AND REPLACE WITH ACCEPTABLE MATERIAL AND COMPACT.
4. REINFORCEMENT STEEL IS IN METRIC UNITS.
5. HMA = HOT MIX ASPHALT.

MASH TL–3 NJ BARRIER CURB

CD-607-6.2



VARIABLE WIDTH x VARIABLE HEIGHT CONCRETE BARRIER CURB

BARRIER CURB

N.T.S.

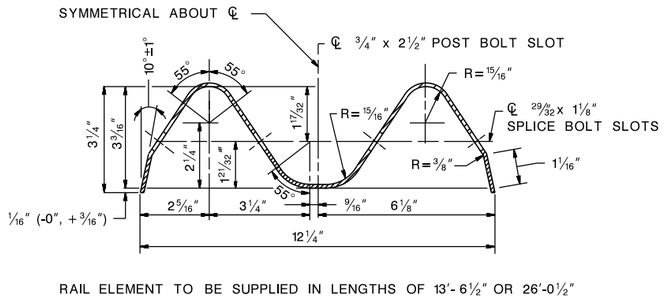
CD-607-6

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

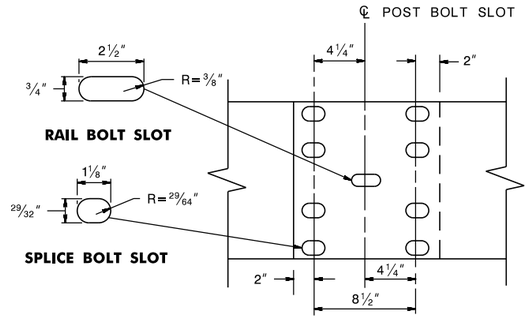
60C
164

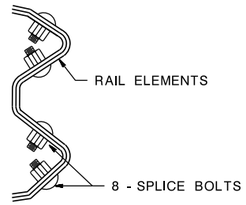
BDC17D-10-NJ BARRIER ADDED
BDC17D-042-NEW SHEET



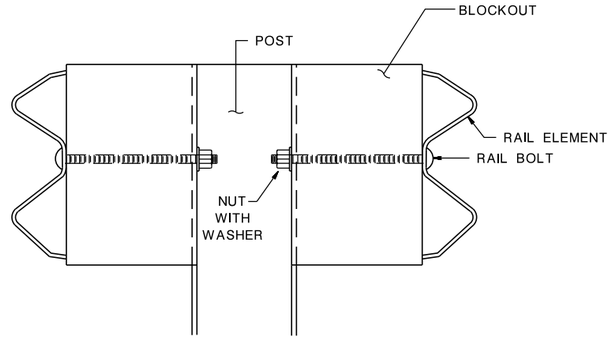
RAIL ELEMENT TO BE SUPPLIED IN LENGTHS OF 13'-6½" OR 26'-0½"

W–BEAM RAIL ELEMENT

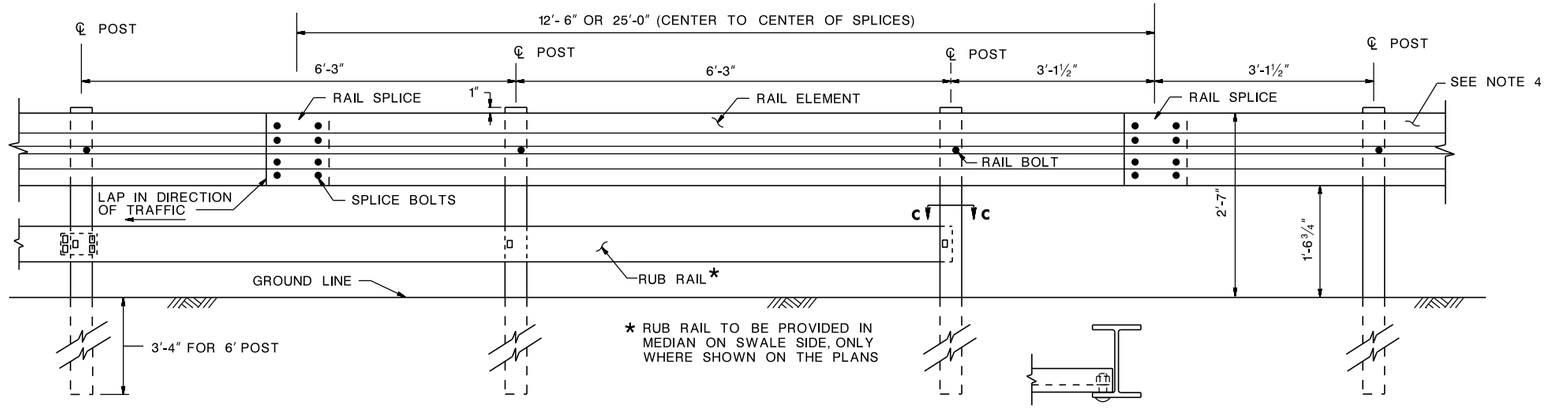




RAIL SPLICE

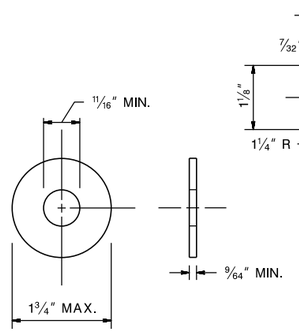


POST ASSEMBLY, DUAL FACED

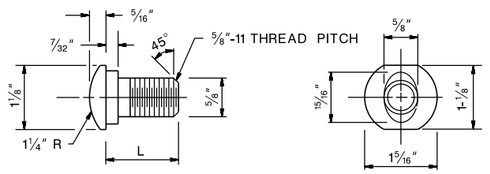


BEAM GUIDE RAIL, DUAL FACED

SECTION C–C

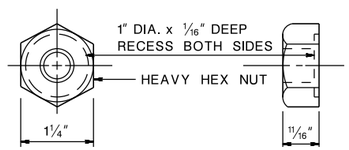


STEEL WASHER



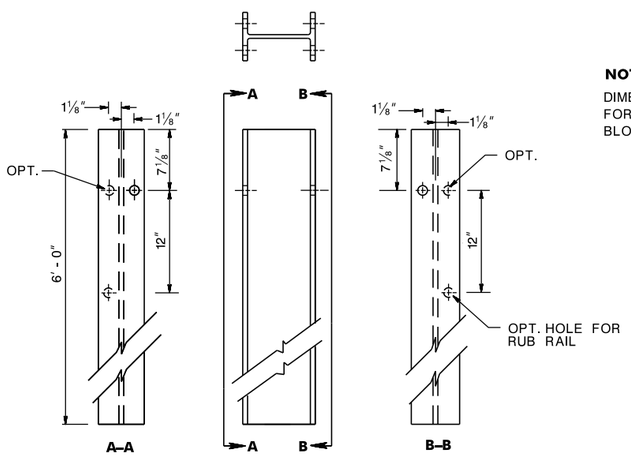
TYPE	L	MIN. THREAD LENGTH
SPLICE	1¼"	FULL LENGTH THREAD
RAIL	9½"	1¾"

⅝" DIA. BUTTON HEAD BOLT



⅝" DIA. RECESS NUT

SPLICE & RAIL NUT & BOLT

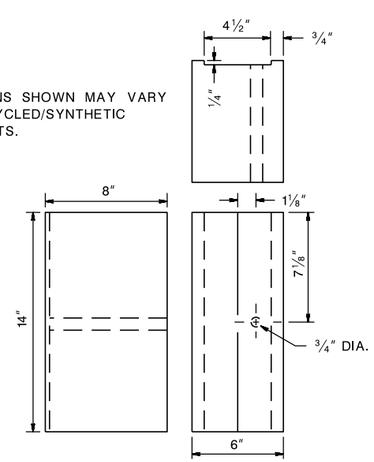


W6x8.5 OR W6x9 STEEL POST

6' POST

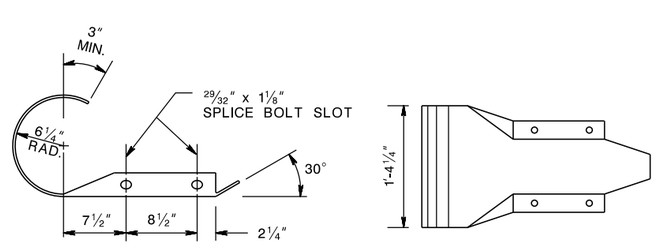
NOTE:
ALL HOLES 13/16" DIA.

NOTE:
DIMENSIONS SHOWN MAY VARY FOR RECYCLED/SYNTHETIC BLOCKOUTS.



APPROVED RECYCLED/ SYNTHETIC MATERIALS

6"x8"x14" BLOCKOUT



END SECTION (ROUNDED)

NOTES:

1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
2. FURNISH RAIL ELEMENTS SHOPCURVED, CONCAVE OR CONVEX, FOR RADII BETWEEN 20 AND 150 FEET.
3. WHERE TRANSITIONING TO EXISTING GUIDE RAIL, AN END TERMINAL, OR A CRASH CUSHION MOUNTED AT A HEIGHT OTHER THAN 2'-7", THE VERTICAL TRANSITION TO BE ACCOMPLISHED IN A MINIMUM LENGTH OF 12'-6" FOR EACH 2" OF VERTICAL CHANGE. SEE CD-609-8.
4. INSTALL AN END TERMINAL AS SHOWN ON THE PLANS. USE THE END SECTION (ROUNDED) ON THE END OF THE RAIL ELEMENT WHERE DUAL FACED BEAM GUIDE RAIL ENDS AND SINGLE FACED BEAM GUIDE RAIL BEGINS.

CD-609-2.1

BDC17D-19-RUB RAIL ADDED
BDC17D-02-REVISIONS TO CD-609-2
BDC16D-04-ORIGINAL SHEET

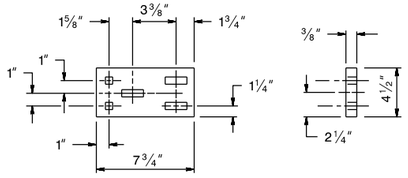
BEAM GUIDE RAIL, DUAL FACED (MASH TL–3)

N.T.S.

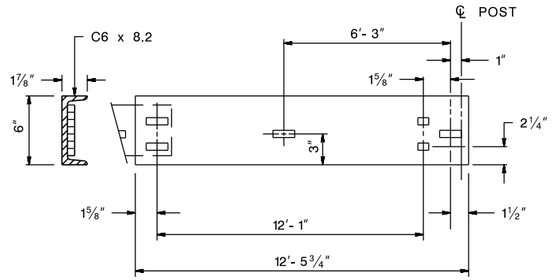
CD-609-2

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS



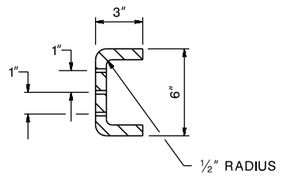
SPLICE PLATE



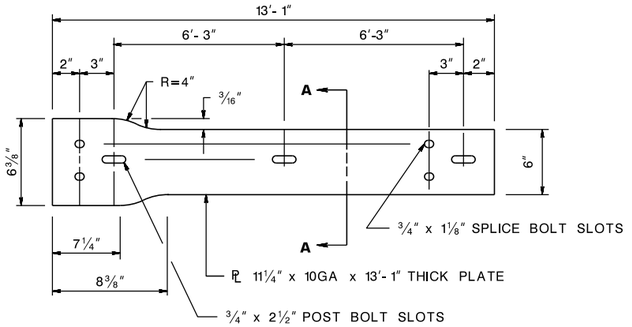
NOTES:

1. RUB RAIL MAY BE SUPPLIED IN LENGTHS OF 12'-5¾" OR 24'-11¾"
2. ALL RECTANGULAR SLOTS ARE 11/16" x 2", ALL SQUARE HOLES ARE 11/16"

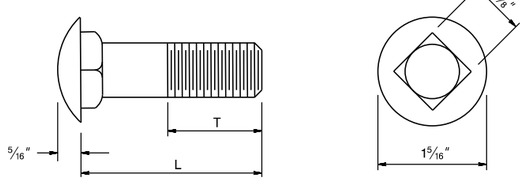
C6 x 8.2



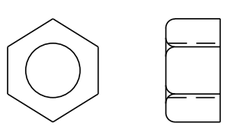
SECTION A–A



BENT PLATE



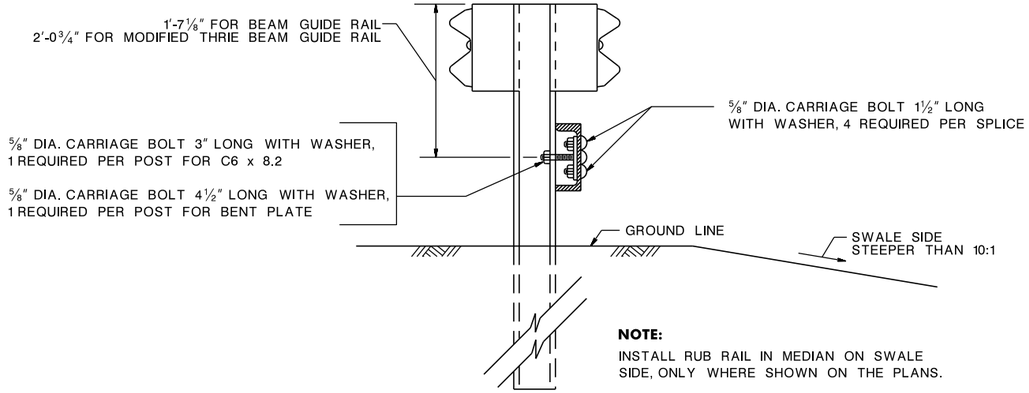
⅝" DIA. CARRIAGE BOLT



⅝" DIA. HEX NUT

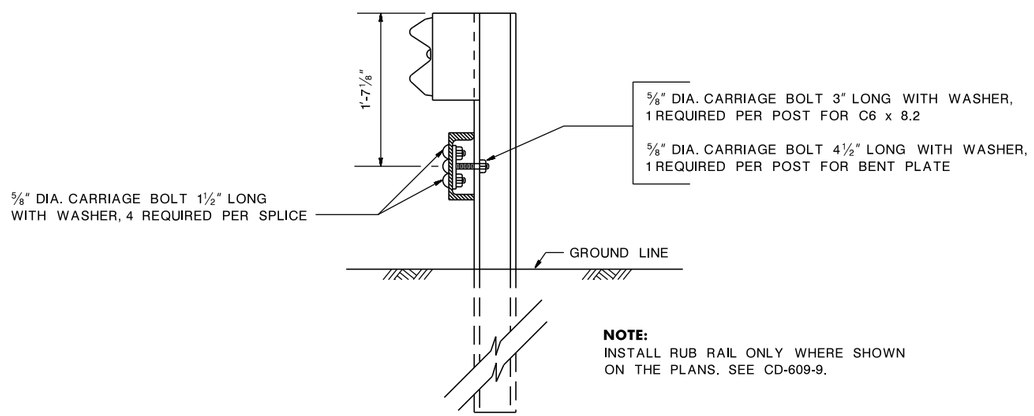
L	THREAD LENGTH (T)
1½"	FULL LENGTH
3"	1½" MIN.
4½"	1½" MIN.

CARRIAGE BOLT DETAIL



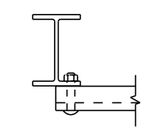
NOTE:
INSTALL RUB RAIL IN MEDIAN ON SWALE SIDE, ONLY WHERE SHOWN ON THE PLANS.

RUB RAIL SECTION IN MEDIAN

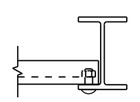


NOTE:
INSTALL RUB RAIL ONLY WHERE SHOWN ON THE PLANS. SEE CD-609-9.

RUB RAIL SECTION AT BURIED GUIDE RAIL TERMINAL



RUB RAIL TRAILING END ATTACHMENT DETAIL



RUB RAIL APPROACH END ATTACHMENT DETAIL

NOTE:
USE EITHER C6 x 8.2 OR BENT PLATE FOR RUB RAIL.

CD-609-3.1

RUB RAIL

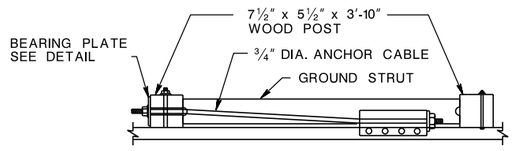
N.T.S.

CD-609-3

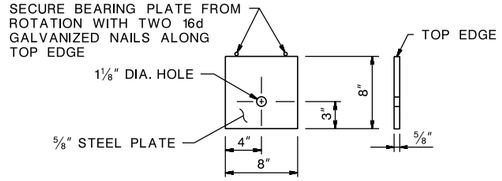
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

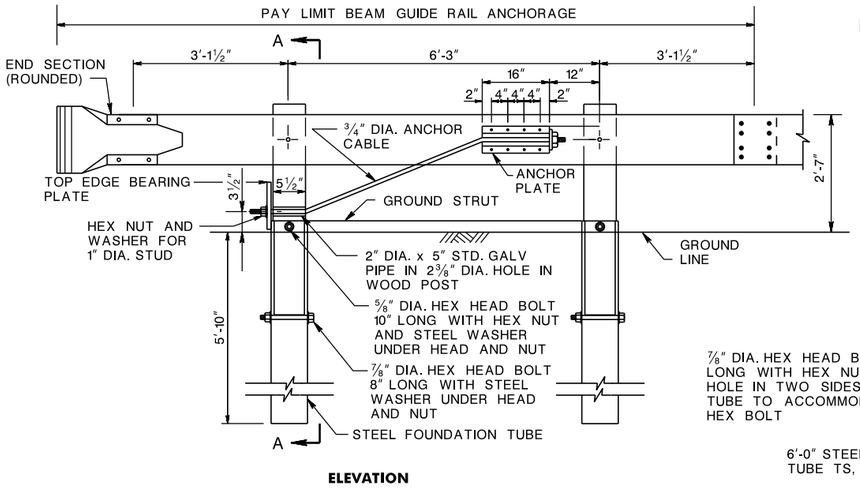
BDC17D-0A-MEDIAN SECTION ADDED
BDC17D-02-REVISIONS TO CD-609-3
BDC95D-0A-ORIGINAL SHEET



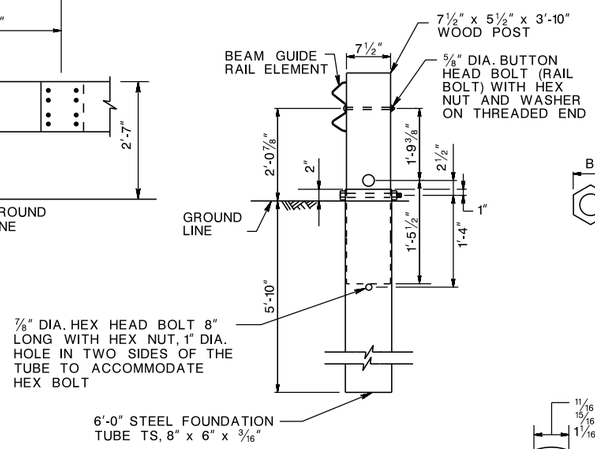
PLAN



BEARING PLATE

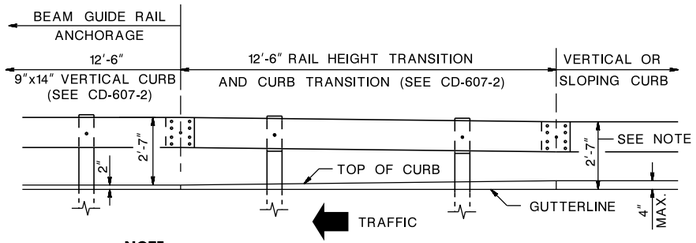


ELEVATION



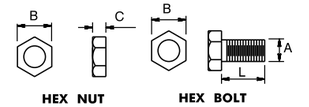
SECTION A–A

BEAM GUIDE RAIL ANCHORAGE



NOTE:
WHERE GUIDE RAIL IS OFFSET 4 FEET OR MORE FROM THE GUTTERLINE (CD-609-8A) RAIL HEIGHT IS MEASURE FROM THE GROUND LINE ALONG THE ENTIRE LENGTH OF THE CURB TRANSITION AND THE GUIDE RAIL ANCHORAGE.

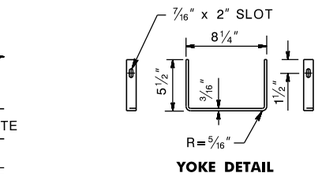
GUIDE RAIL ANCHORAGE WITH CURB



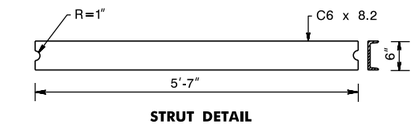
HEX NUT HEX BOLT

BOLT SIZE	THREAD PITCH	A	B	C	L
⅝"	⅝-11	⅝"	15/16"	35/64"	1½", 10"
⅞"	⅞-9	⅞"	1 15/16"	¾"	8"

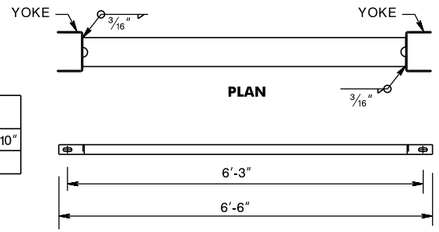
HEX NUT AND BOLT



YOKE DETAIL

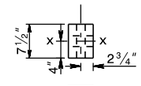


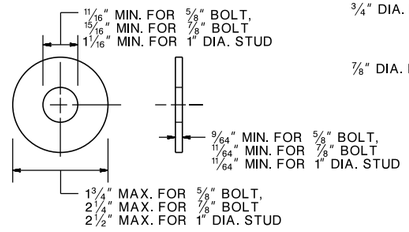
STRUT DETAIL



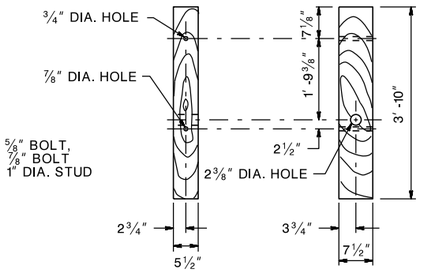
ELEVATION

GROUND STRUT

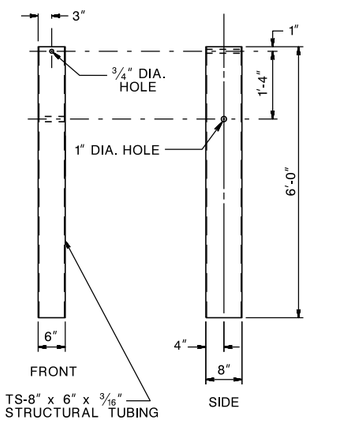




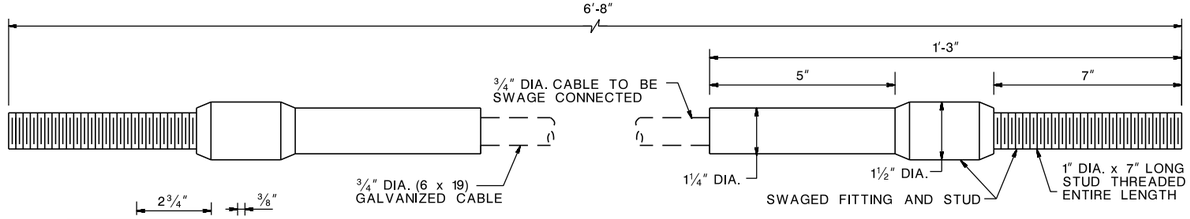
STEEL WASHER



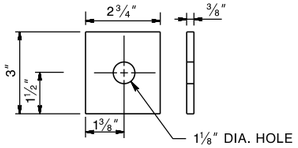
WOOD POST



STEEL FOUNDATION TUBE

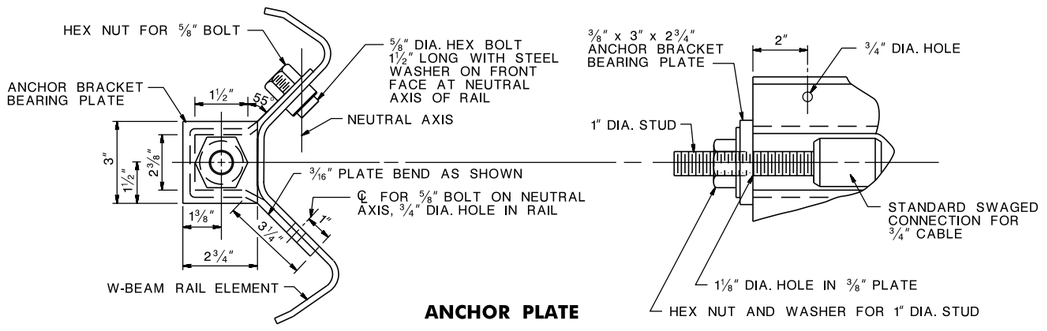


CABLE ASSEMBLY

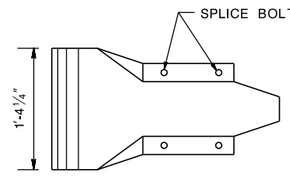


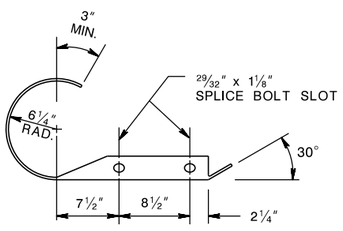
ANCHOR BRACKET BEARING PLATE

NOTE:
OTHER ANCHOR CABLE ASSEMBLIES MAY BE USED. MINIMUM BREAKING STRENGTH OF ASSEMBLY TO BE 40,000 LBS.

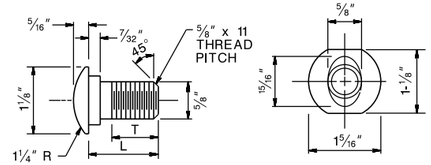


ANCHOR PLATE



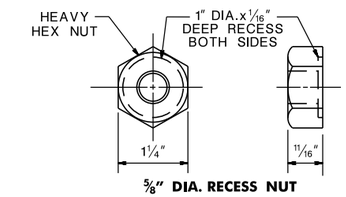


END SECTION (ROUNDED)



⅝" DIA. BUTTON HEAD BOLT

TYPE	L	MIN. THREAD LENGTH (T)
RAIL	10"	4"
SPLICE	1¼"	FULL LENGTH THREAD



⅝" DIA. RECESS NUT

RAIL NUT & BOLT

BEAM GUIDE RAIL ANCHORAGE (MASH TL–3)

N.T.S.

CD-609-4

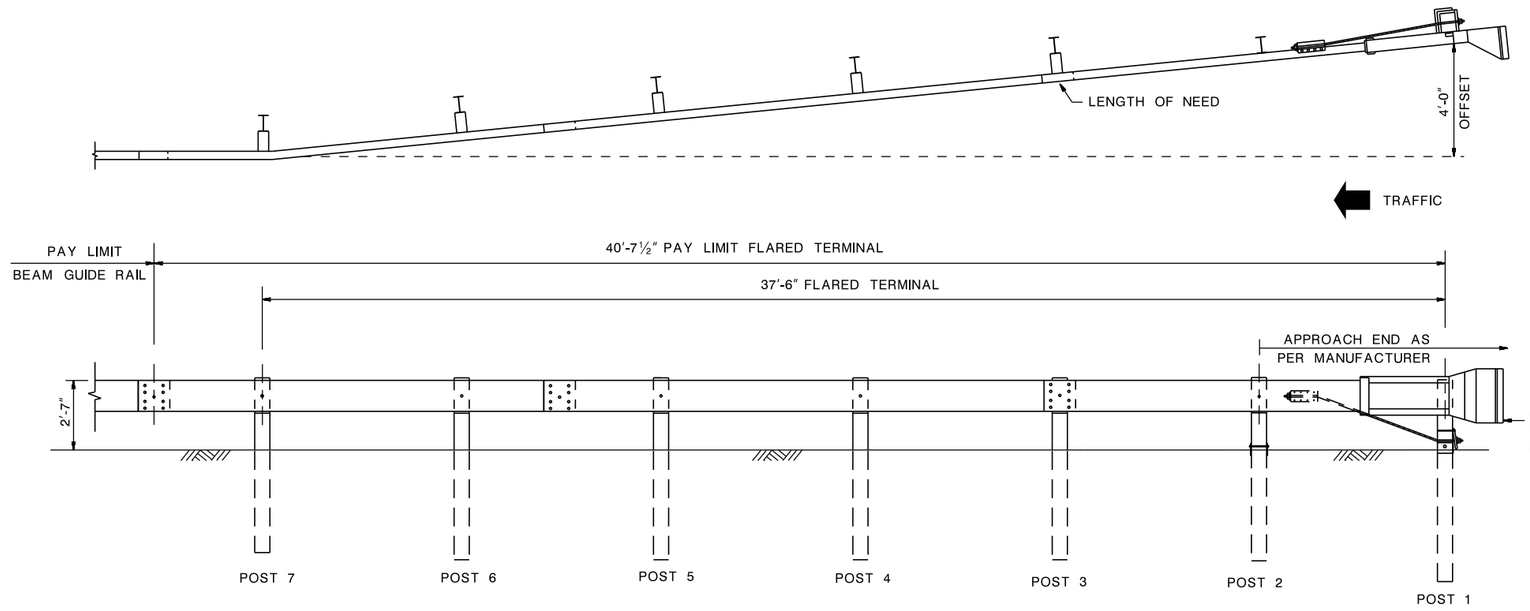
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-4.1

65
164

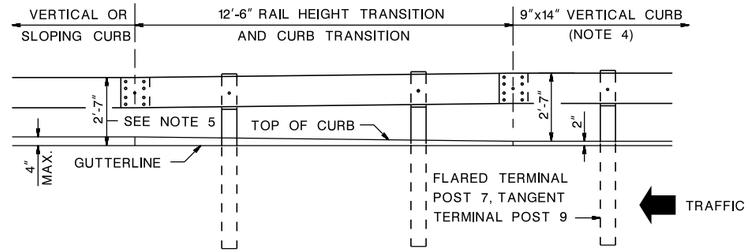
BDC17D-16-ANCHORAGE WITH CURB ADDED
BDC17D-02-REVISIONS TO CD-609-4
BDC95D-01-ORIGINAL SHEET



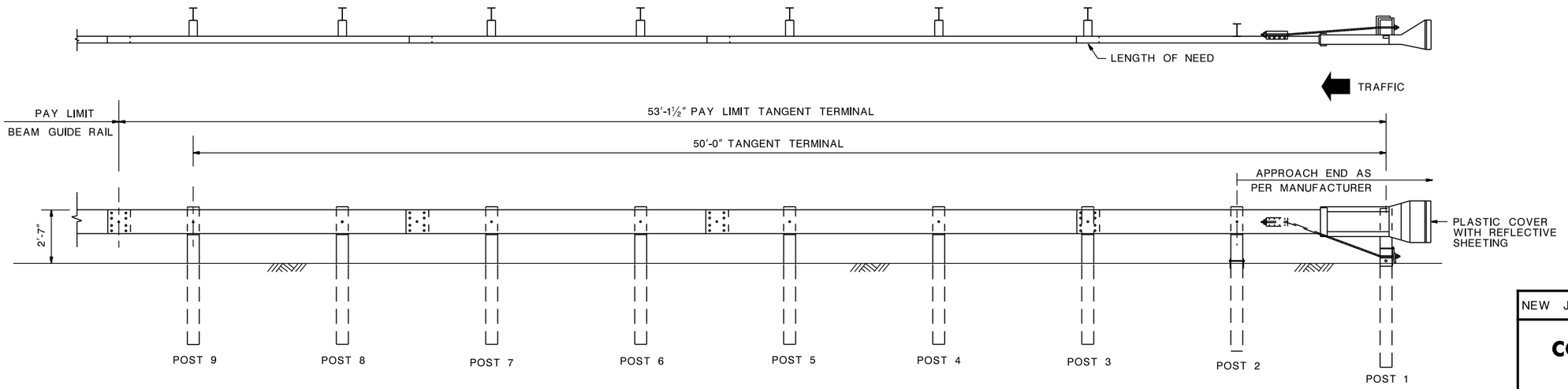
FLARED GUIDE RAIL TERMINAL

NOTES:

1. NUMBER OF POSTS, TYPE OF POST, POST SPACING, FLARE RATE, AND MATERIALS TO BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE DEPARTMENT'S QUALIFIED PRODUCTS LIST.
2. WHERE GUIDE RAIL IS INSTALLED FLUSH WITH THE GUTTER LINE, CONSTRUCT THE TANGENT TERMINAL WITH A STRAIGHT FLARE FOR ITS ENTIRE LENGTH TO PROVIDE A ONE FOOT OFFSET SO THAT THE EXTRUDER HEAD DOES NOT PROTRUDE INTO THE ROADWAY.
3. WHERE THE DOWNSTREAM GUIDE RAIL IS ON A HORIZONTAL CURVE, CONSTRUCT THE FLARED OR TANGENT TERMINAL IN A STRAIGHT LINE AS SHOWN ON THIS DETAIL (DO NOT FOLLOW THE HORIZONTAL CURVE).
4. 9"x14" CONCRETE VERTICAL CURB SHALL CONTINUE FOR THE ENTIRE LENGTH OF THE TERMINAL AND FOR A MINIMUM OF 75 FEET IN ADVANCE OF POST #1. SEE CD-607-2 FOR CURB TRANSITION DETAILS.
5. WHERE GUIDE RAIL IS OFFSET 4 FEET OR MORE FROM THE GUTTERLINE (CD-609-8A) RAIL HEIGHT IS MEASURE FROM THE GROUND LINE ALONG THE ENTIRE LENGTH OF THE CURB TRANSITION AND THE FLARED OR TANGENT TERMINAL.



FLARED OR TANGENT TERMINAL WITH CURB



TANGENT GUIDE RAIL TERMINAL

FLARED GUIDE RAIL TERMINAL AND TANGENT GUIDE RAIL TERMINAL (MASH TL–3)

N.T.S.

CD-609-5

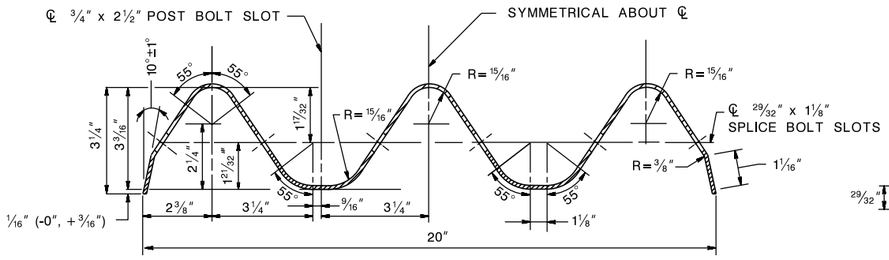
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-5.1

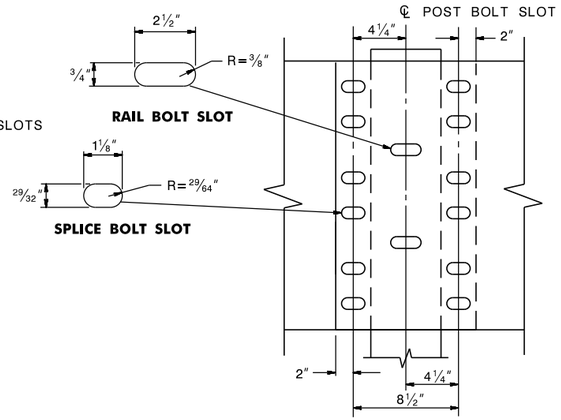
66
164

BDC17D-10-TERMINAL WITH CURB ADDED
BDC17D-02-REVISIONS TO CD-609-5
BDC16D-04-ORIGINAL SHEET

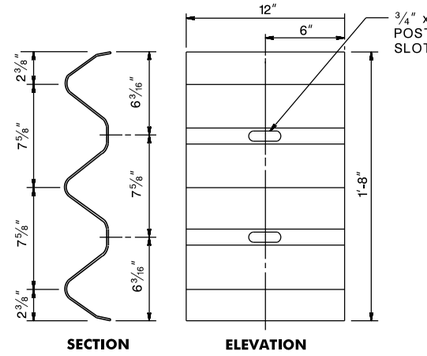


RAIL ELEMENT TO BE SUPPLIED IN LENGTHS OF 13'-6½" OR 26'-0½"

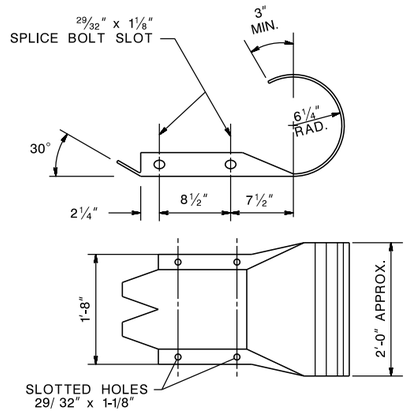
THRIE BEAM RAIL ELEMENT AND BACKUP PLATE



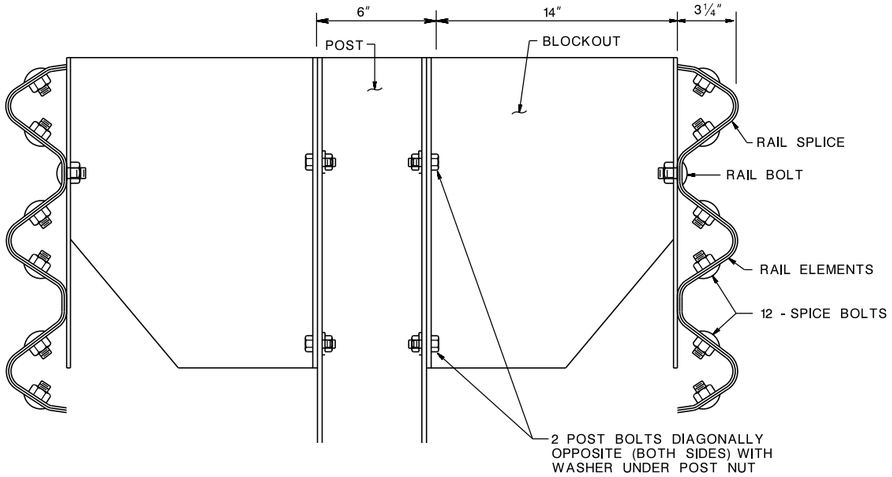
THRIE BEAM RAIL SPLICE



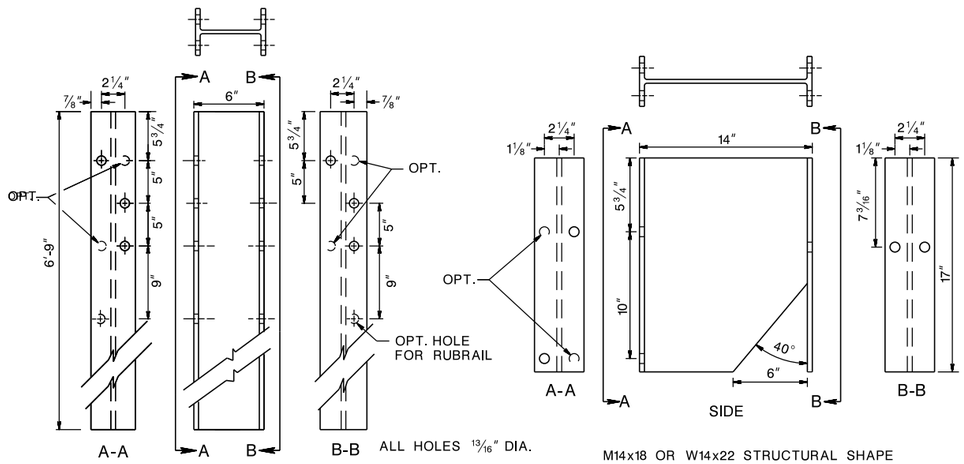
BACK–UP PLATE AT NON–SPLICE POSTS



THRIE BEAM END SECTION (ROUNDED)

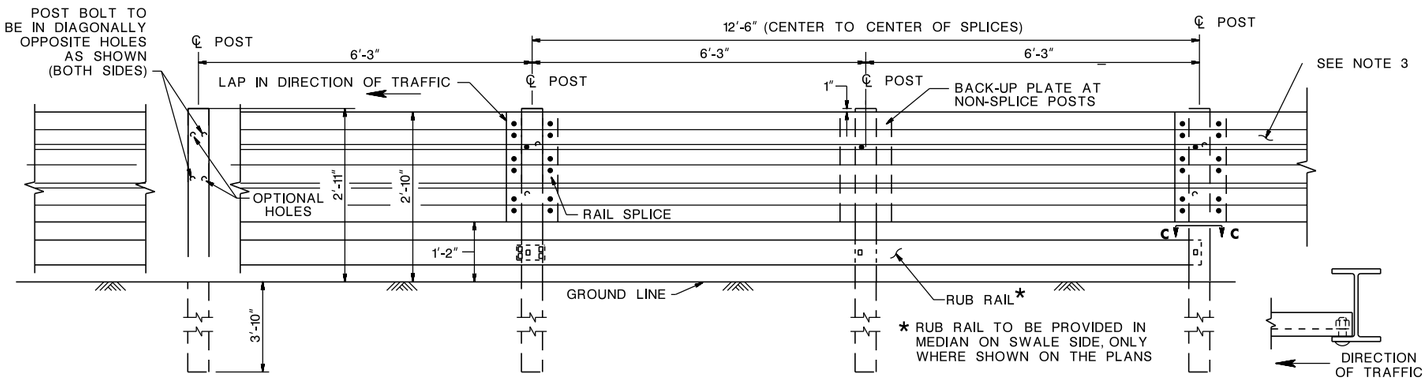


POST ASSEMBLY

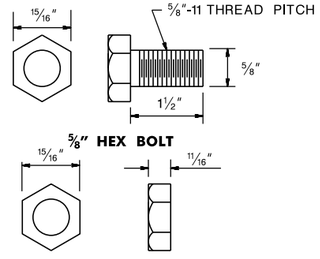


6'–9" POST

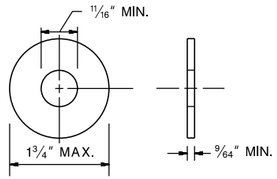
14" BLOCKOUT



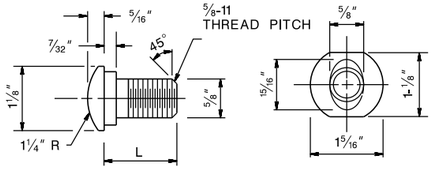
MODIFIED THRIE BEAM GUIDE RAIL



POST NUT & BOLT

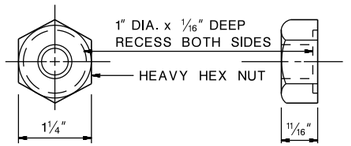


STEEL WASHER



5/8" DIA. BUTTON HEAD BOLT

TYPE	L	MIN. THREAD LENGTH
SPLICE	1¼"	FULL LENGTH THREAD
RAIL	2"	FULL LENGTH THREAD



5/8" RECESS NUT

SPLICE & RAIL NUT & BOLT

NOTES:

1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
2. RAIL ELEMENTS TO BE FURNISHED SHOPCURVED, CONCAVE OR CONVEX, FOR RADII BETWEEN 20 FEET AND 150 FEET.
3. SEE CD-609-7 FOR TRANSITION TO DUAL FACED BEAM GUIDE RAIL AND AN END TERMINAL. USE THE THRIE BEAM END SECTION (ROUNDED) ON THE END OF THE RAIL ELEMENT WHERE DUAL FACED MODIFIED THRIE BEAM GUIDE RAIL ENDS AND SINGLE FACED MODIFIED THRIE BEAM GUIDE RAIL BEGINS.

MODIFIED THRIE BEAM GUIDE RAIL, DUAL FACED (NCHRP 350 TL–4)

N.T.S.

CD-609-19

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-19.1

BDC17D-10-RUB RAIL ADDED
BDC17D-02-REVISIONS TO CD-609-9
BDC16D-01-ORIGINAL SHEET