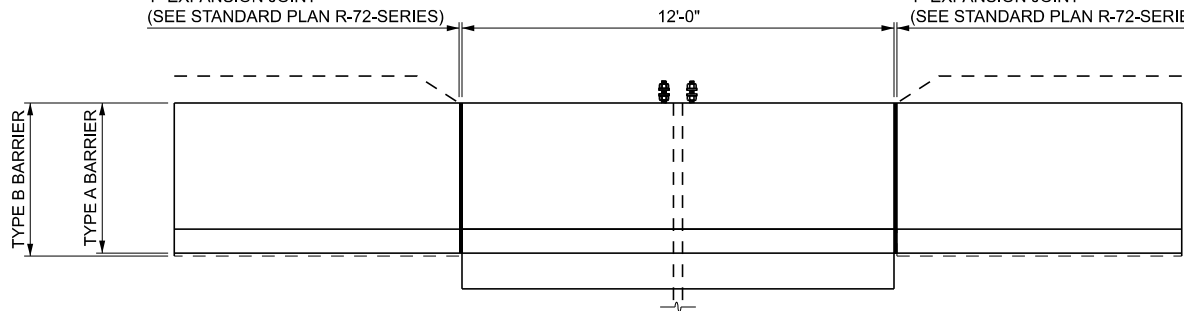


PLAN

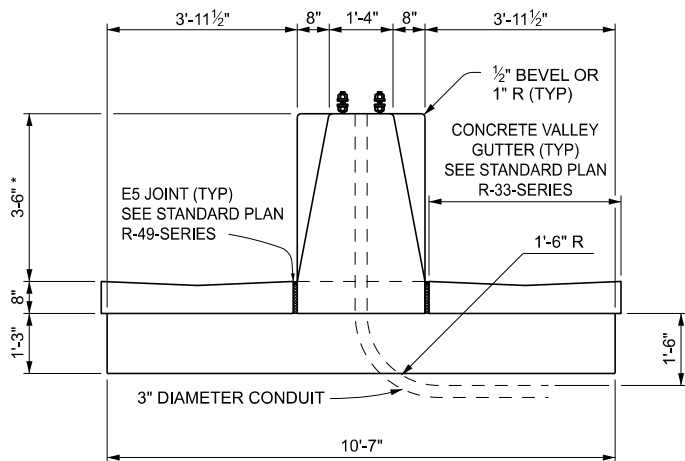
WHERE CONCRETE GLARE SCREEN
IS SPECIFIED ON THE PLANS,
END THE GLARE SCREEN AT THE
1" EXPANSION JOINT
(SEE STANDARD PLAN R-72-SERIES)

WHERE CONCRETE GLARE SCREEN
IS SPECIFIED ON THE PLANS,
END THE GLARE SCREEN AT THE
1" EXPANSION JOINT
(SEE STANDARD PLAN R-72-SERIES)

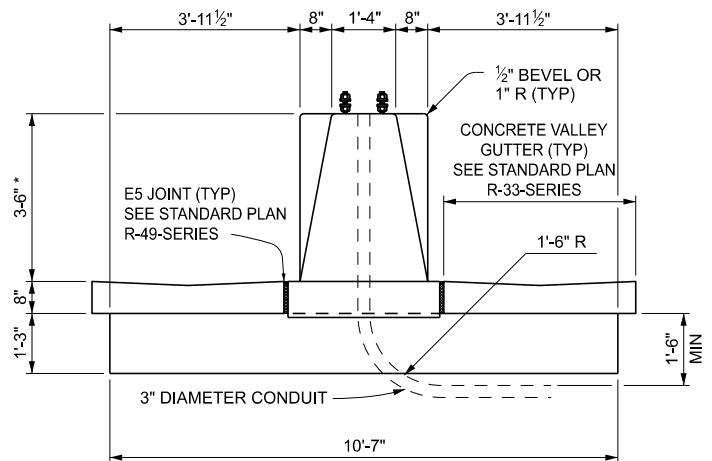


ELEVATION

* SEE VARIABLE CROSS-SECTION ON SHEET 6
WHEN THERE IS A DIFFERENCE IN ELEVATION
OF GUTTER ON EACH SIDE OF BARRIER



SIDE
(TYPE A BARRIER)



SIDE
(TYPE B BARRIER)

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

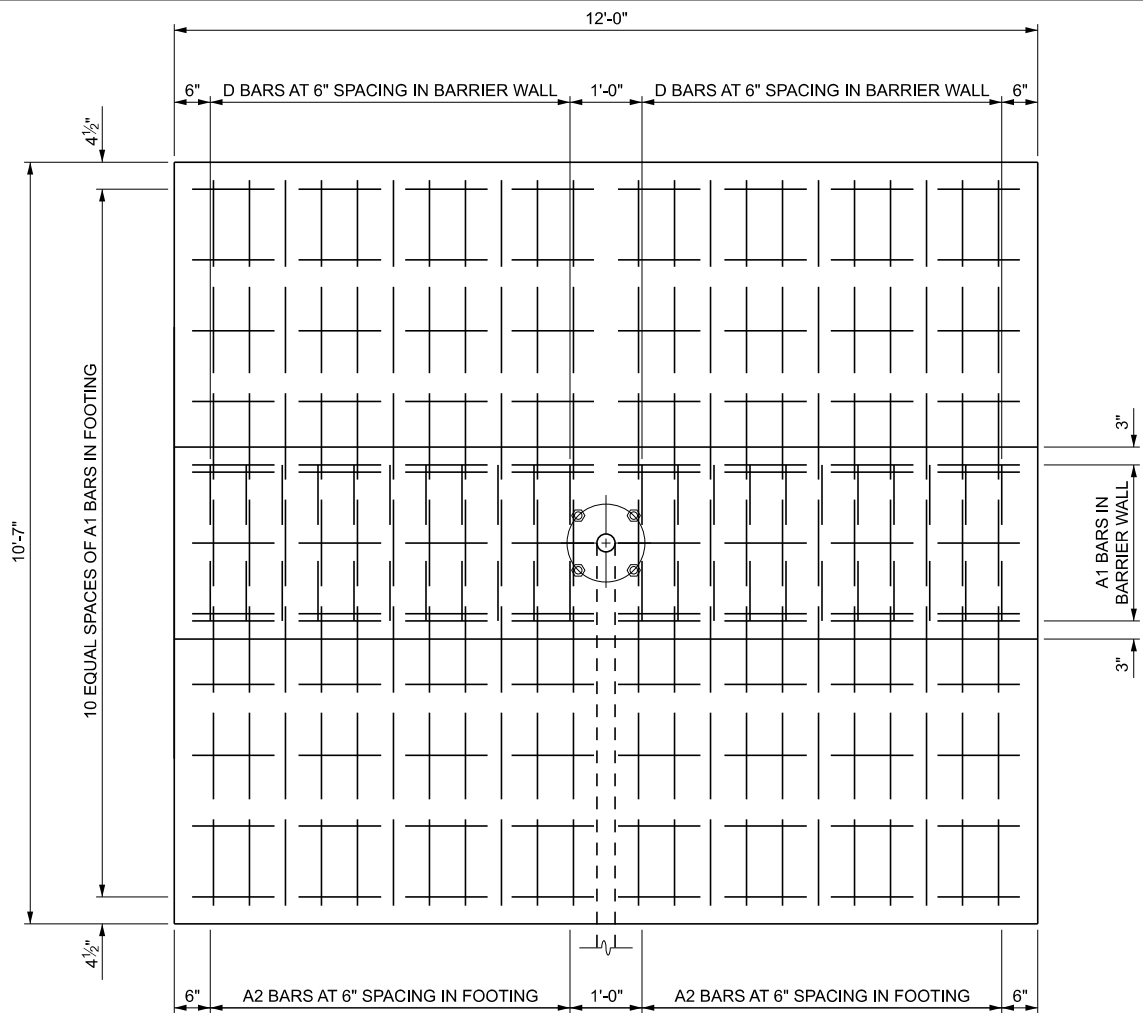
STANDARD PLAN FOR
LIGHT STANDARD FOUNDATION
(CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

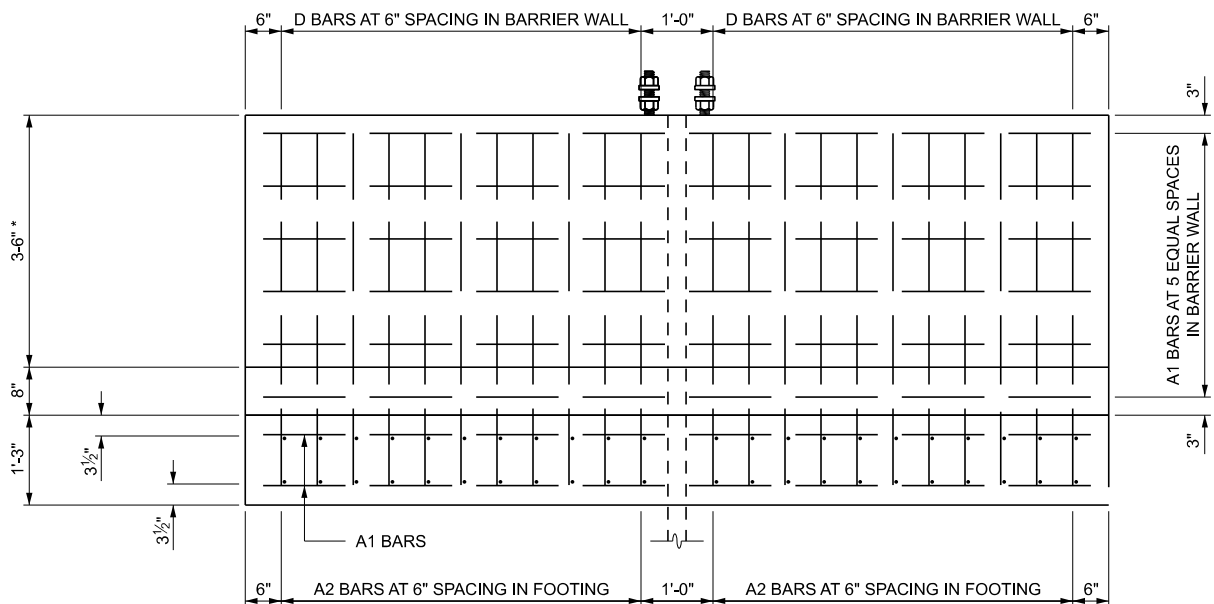
08/22/2025
PLAN DATE

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1 OF 6



PLAN
SHOWING STEEL REINFORCEMENT



ELEVATION
SHOWING STEEL REINFORCEMENT

* SEE VARIABLE CROSS-SECTION ON SHEET 6
WHEN THERE IS A DIFFERENCE IN ELEVATION
OF GUTTER ON EACH SIDE OF BARRIER



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

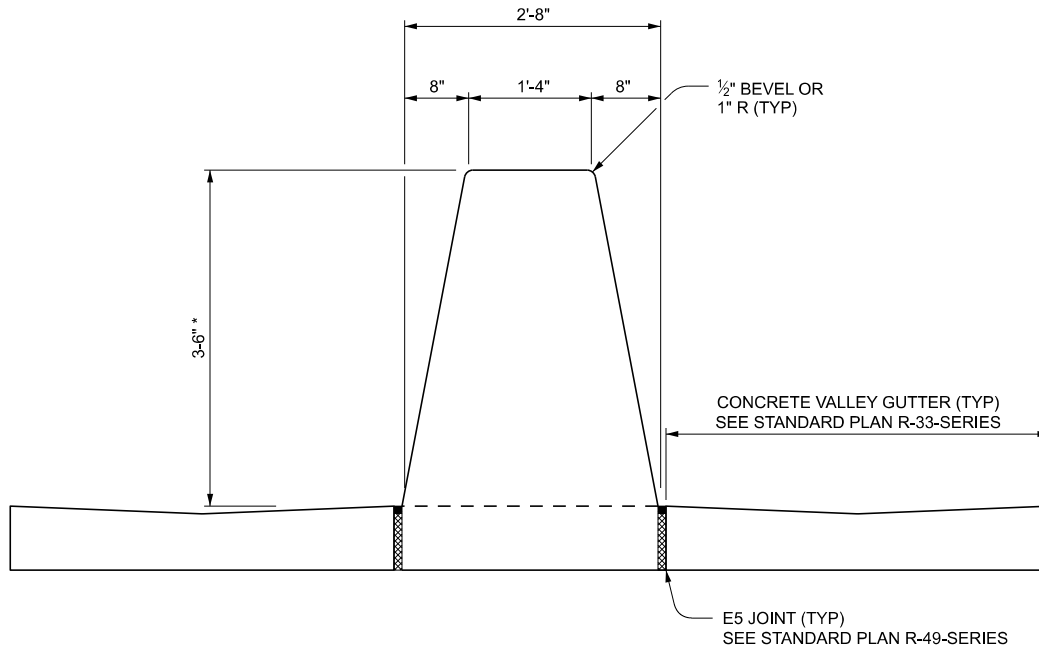
STANDARD PLAN FOR
LIGHT STANDARD FOUNDATION
(CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

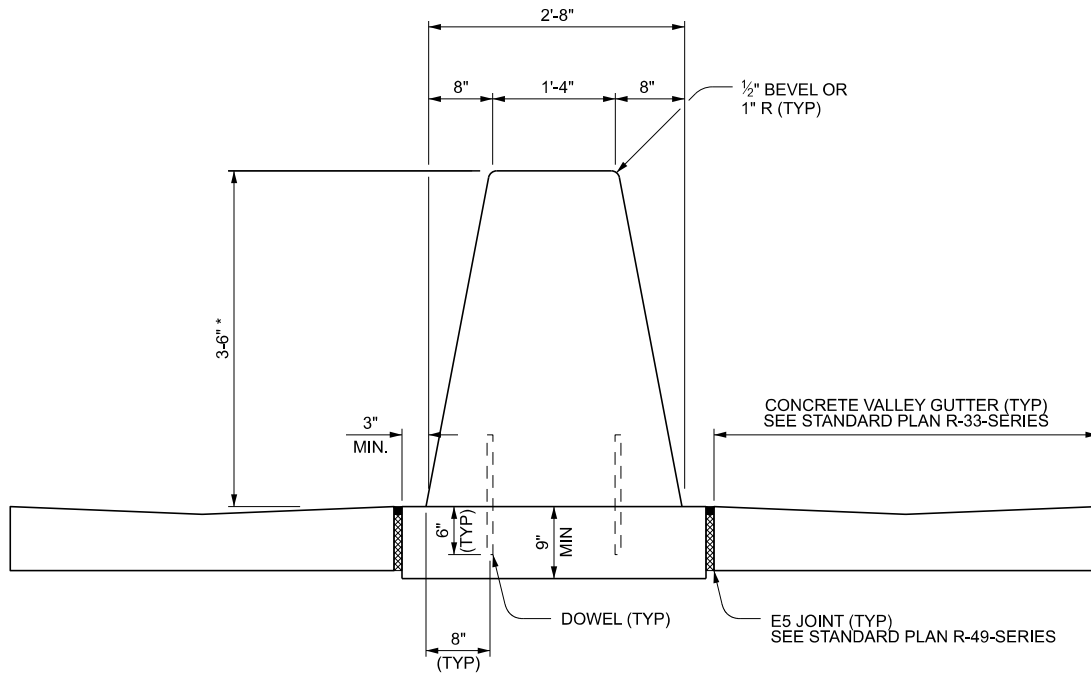
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SECTION A-A
(TYPE A BARRIER)



SECTION A-A
(TYPE B BARRIER)

* SEE VARIABLE CROSS-SECTION ON SHEET 6
WHEN THERE IS A DIFFERENCE IN ELEVATION
OF GUTTER ON EACH SIDE OF BARRIER



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

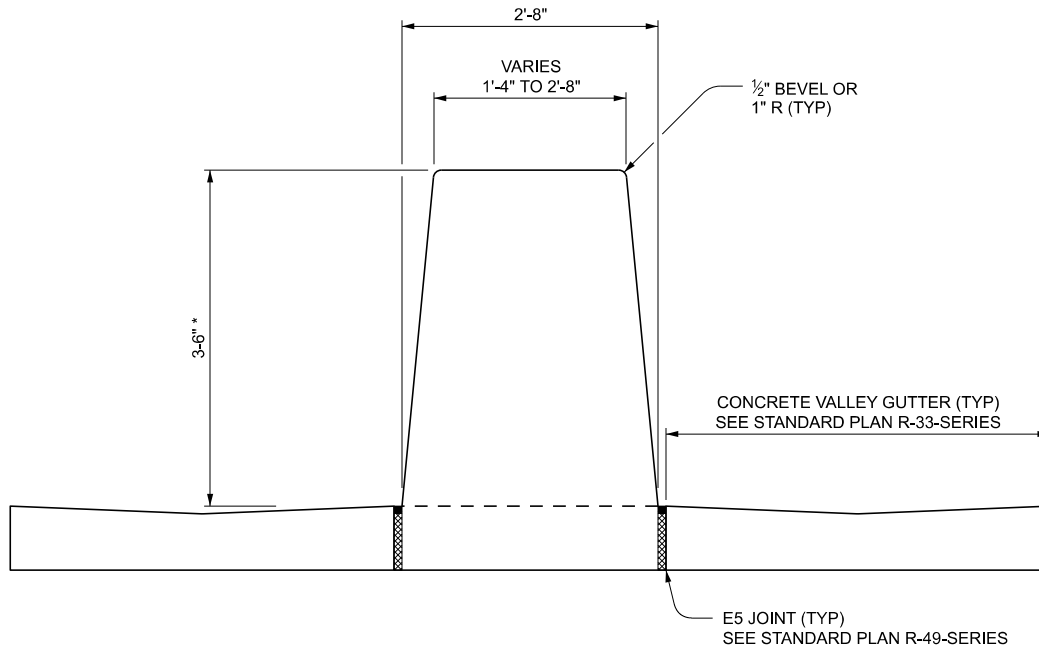
STANDARD PLAN FOR
LIGHT STANDARD FOUNDATION
(CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

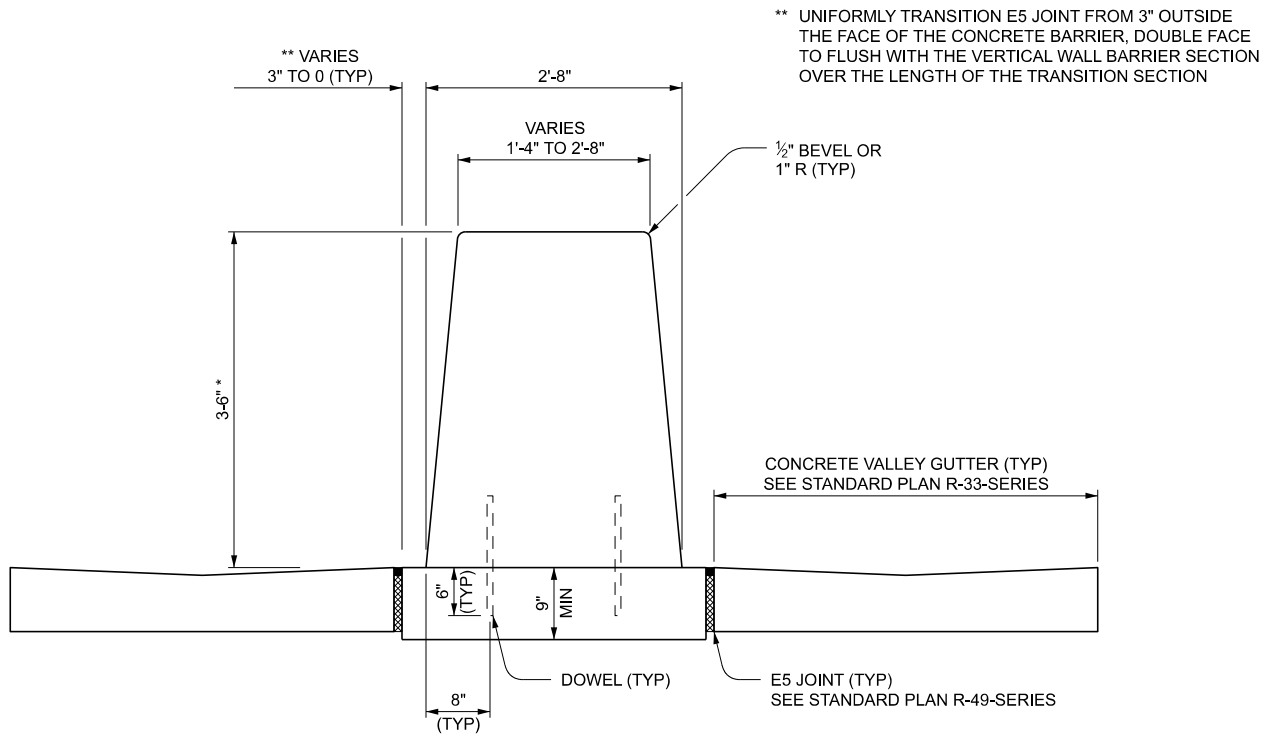
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SECTION B-B
(TYPE A BARRIER)
UNIFORMLY TRANSITION THE BARRIER FACES
FROM SINGLE SLOPE SHAPE TO VERTICAL WALL



SECTION B-B
(TYPE B BARRIER)
UNIFORMLY TRANSITION THE BARRIER FACES
FROM SINGLE SLOPE SHAPE TO VERTICAL WALL

* SEE VARIABLE CROSS-SECTION ON SHEET 6
WHEN THERE IS A DIFFERENCE IN ELEVATION
OF GUTTER ON EACH SIDE OF BARRIER



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

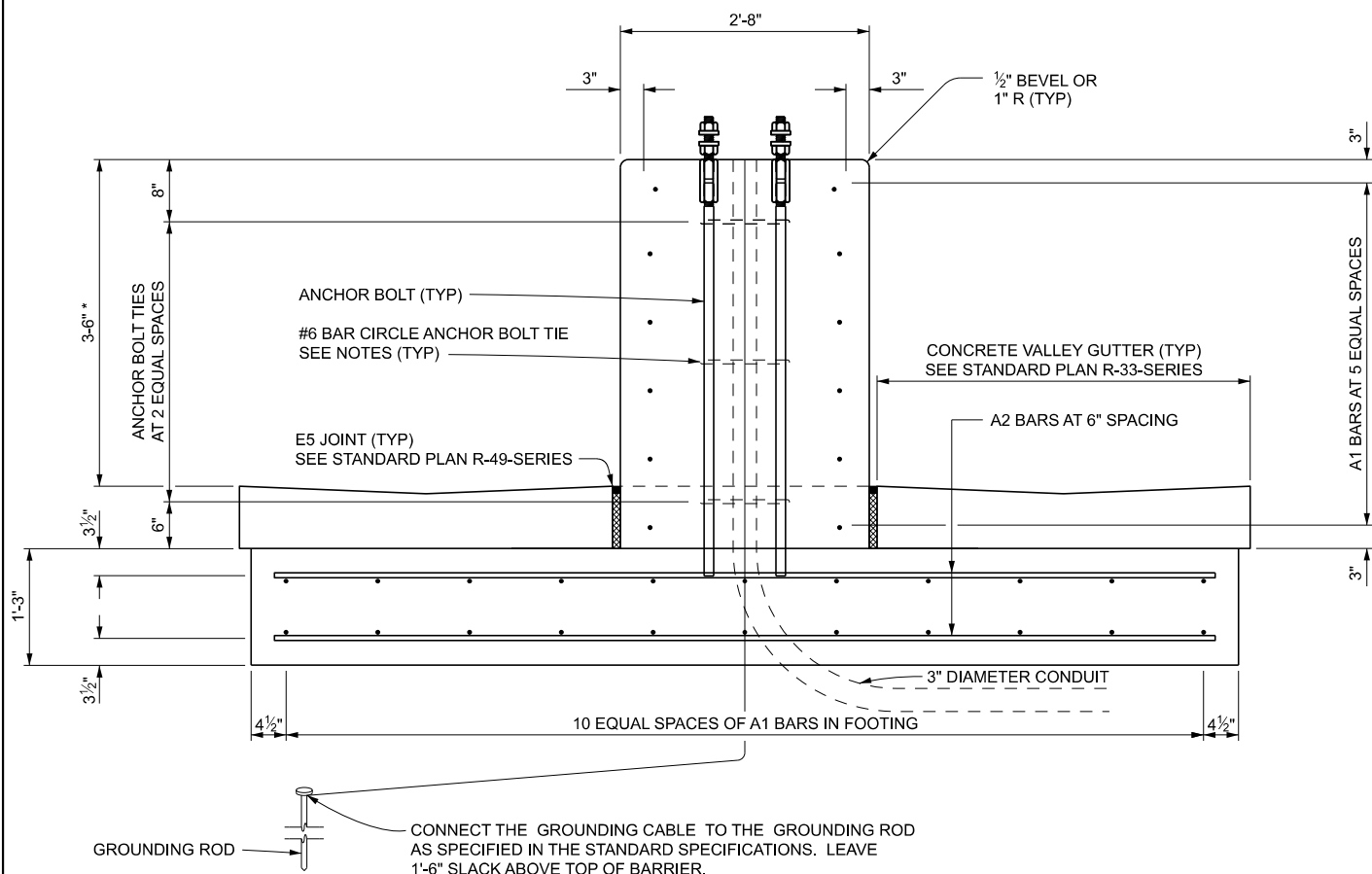
STANDARD PLAN FOR
LIGHT STANDARD FOUNDATION
(CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

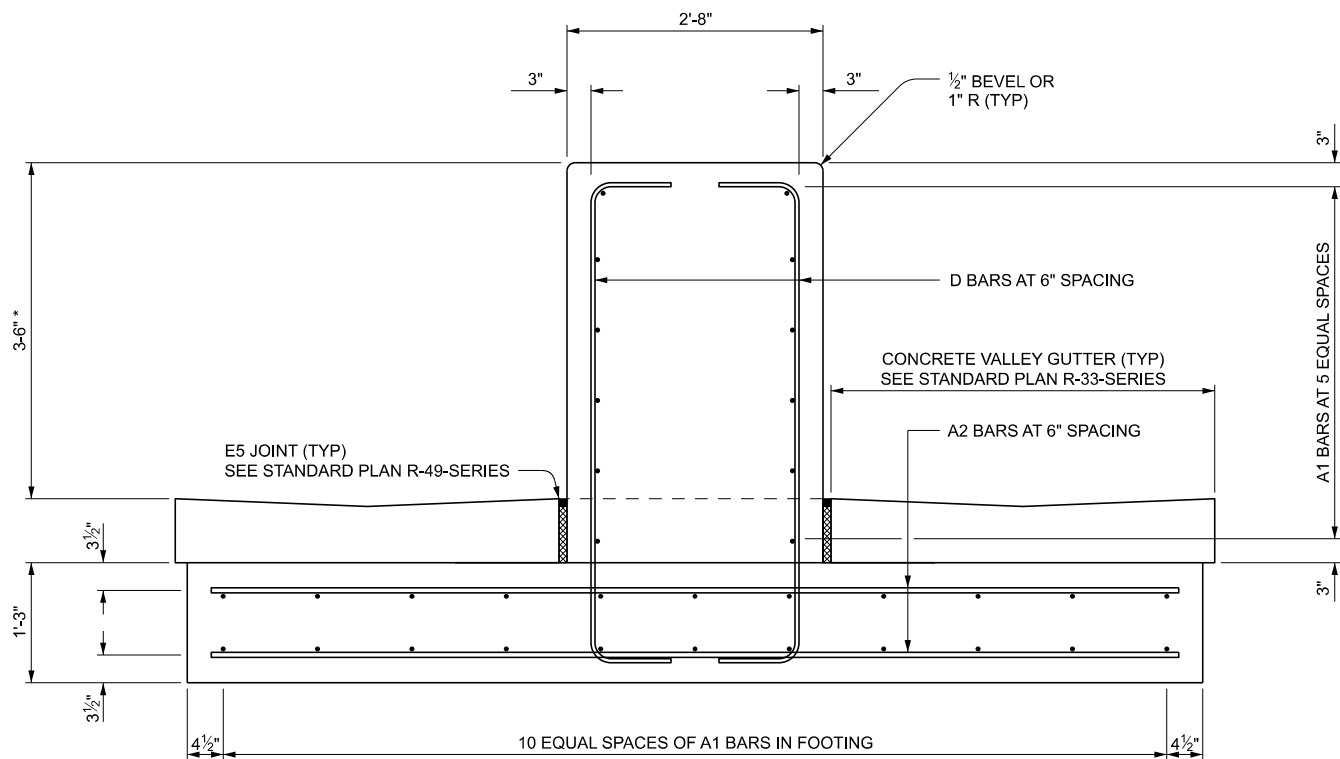
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SECTION C-C



SECTION D-D

* SEE VARIABLE CROSS-SECTION ON SHEET 6
WHEN THERE IS A DIFFERENCE IN ELEVATION
OF GUTTER ON EACH SIDE OF BARRIER



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

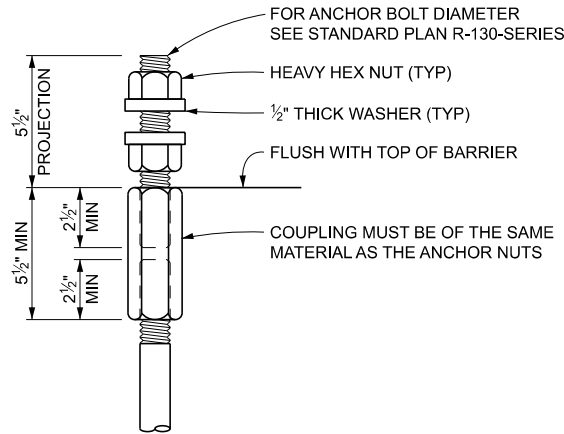
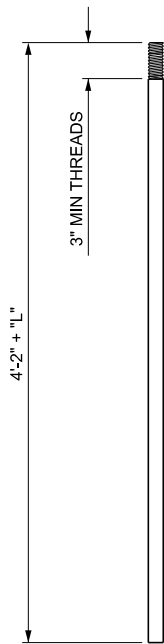
STANDARD PLAN FOR
LIGHT STANDARD FOUNDATION
(CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

08/22/2025
PLAN DATE

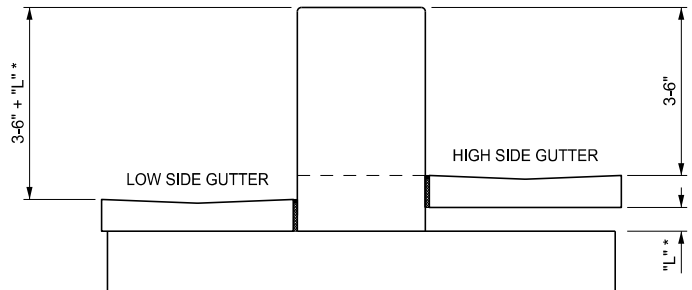
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ANCHOR BOLT DETAIL

| CONCRETE QUANTITIES ** | |
|------------------------------|---------|
| FOOTING | 5.5 CYD |
| VERTICAL WALL SECTION | 4.9 CYD |
| TRANSITION SECTIONS (TYPE A) | 5.9 CYD |
| TRANSITION SECTIONS (TYPE B) | 6.2 CYD |



VARIABLE CROSS-SECTION

*L = DIFFERENCE IN ELEVATION OF GUTTER ON EACH SIDE OF BARRIER
("L" CANNOT BE GREATER THAN 6")

| STEEL REINFORCEMENT (EPOXY COATED) | | | | |
|-------------------------------------|----------|--------|-----------------|-----------------|
| BAR | BAR SIZE | LENGTH | NUMBER REQUIRED | WEIGHT (LBS) ** |
| A1 | #5 | 11'-6" | 32 | 384 |
| A2 | #6 | 9'-10" | 44 | 650 |
| D | #4 | 6'-8" | 44 | 198 |
| TOTAL WEIGHT OF STEEL = 1232 LBS ** | | | | |

** QUANTITIES BASED ON "L" = 0"

NOTES:

THE SIDE CONFIGURATION SPECIFIED ON THIS PLAN CONFORMS TO THE "SINGLE SLOPE" SHAPE.

ENSURE ALL EXPOSED EDGES OF THE BARRIER HAVE A 1/2" BEVEL OR A 1" RADIUS.

ENSURE ANCHOR BOLTS, NUTS, AND WASHERS MEET THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

PRIOR TO BEING APPROVED FOR SHIPMENT, TIE EACH SET OF FOUR ANCHOR BOLTS TOGETHER INTO A BASKET BY WELDING #6 BAR CIRCLES (OR APPROVED EQUAL) ALONG WITH SECURING A 3/4" PLYWOOD (OR APPROVED EQUAL) TEMPLATE. CAREFULLY SET AND HOLD THE ANCHOR BOLT BASKET VERTICAL AT THE CORRECT LOCATION AND AT THE PROPER HEIGHT WITH THE 3/4" PLYWOOD (OR APPROVED EQUAL) TEMPLATE.

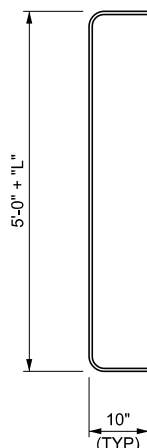
CONSTRUCT THE CONCRETE VALLEY GUTTER USED IN CONJUNCTION WITH THE LIGHT STANDARD FOUNDATION AS DETAILED ON THIS PLAN. THE DESIGN FOR THIS STRUCTURE PERMITS A 6" DIFFERENCE IN ELEVATION BETWEEN THE GUTTER ON EITHER SIDE OF THE BARRIER.

WORK THIS STANDARD WITH STANDARD PLAN R-49-SERIES AND WHEN APPLICABLE R-33-SERIES.

ENSURE MATERIALS FOR THE ELECTRICAL GROUNDING SYSTEM ARE ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, UNLESS OTHERWISE SPECIFIED ON THIS PLAN.



A BAR



D BAR



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR LIGHT STANDARD FOUNDATION (CONCRETE BARRIER, DOUBLE FACE)

(SPECIAL DETAIL)
FHWA APPROVAL

08/22/2025
PLAN DATE

R-50-H

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