

LOAD FACTORS:

DESIGN LOAD RATING FACTORS

LOAD TYPE	MAX FACTOR	MIN FACTOR
DC	1.25	0.90
DW	1.50	0.65
EV	1.30	0.90
EH	1.35	0.90
ES	1.35	0.90
LS	1.75	--
WA	1.00	--

NOTE:
RATING FACTORS ARE BASED ON THE STRENGTH I LIMIT STATE.

COMMENTS:

1.

2.

3.

4.

CONTROLLING LOAD RATING

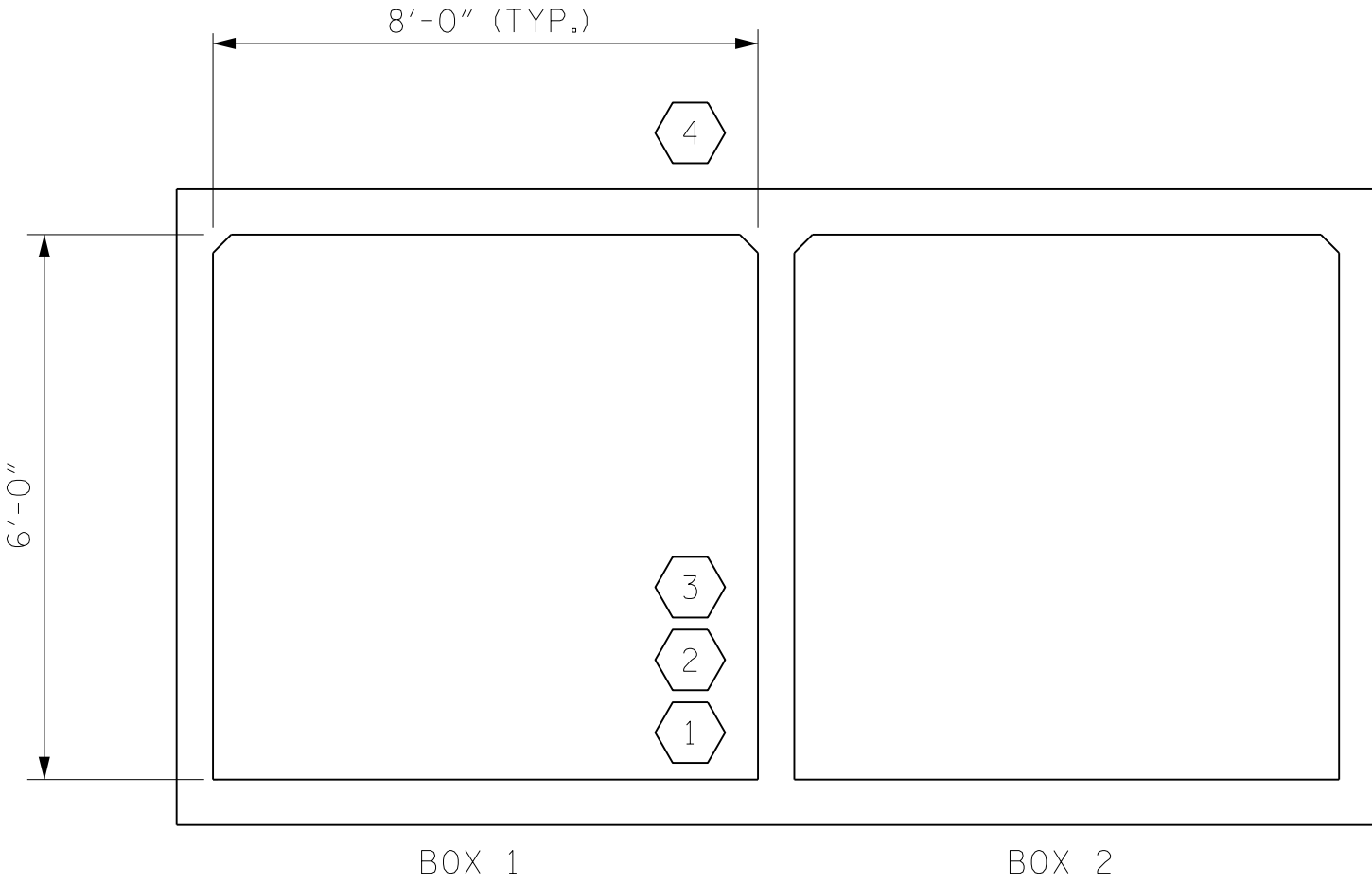
1 DESIGN LOAD RATING (HL-93)

2 DESIGN LOAD RATING (HS-20)

3 LEGAL LOAD RATING **

4 EMERGENCY VERHICLE LOAD RATING **

** SEE CHART FOR VEHICLE TYPE



PROJECT NO. BP14.R002
HAYWOOD COUNTY
STATION: 13+82.97 -L190-

SHEET 2 OF 10

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

LRFR SUMMARY FOR

REINFORCED CONCRETE

BOX CULVERTS

(NON-INTERSTATE TRAFFIC)

NO. 1

BY: 1

DATE: 11/24/2025

NO. 2

BY: 2

DATE: 11/24/2025

REVISIONS

NO. 1

BY: 1

DATE: 11/24/2025

REVISIONS

NO. 2

BY: 2

DATE: 11/24/2025

SHEET NO.

C4-2

TOTAL SHEETS

10

RS&H

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DRAWN BY : N. CUANY DATE : 02/2024
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DESIGN ENGINEER OF RECORD: M. ACOSTA DATE : 08/2025

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

8/8/2025
\\rsandh.com\\files\\Transportation\\P\\1030014001.Div 14 Bridges_2016\\1030014001.R.173 430187.188.189.190\\Design\\Structures\\190\\CAD\\413.003-BP14.R002.SMU.CU.002.430190.dgn
AcostaM