

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)

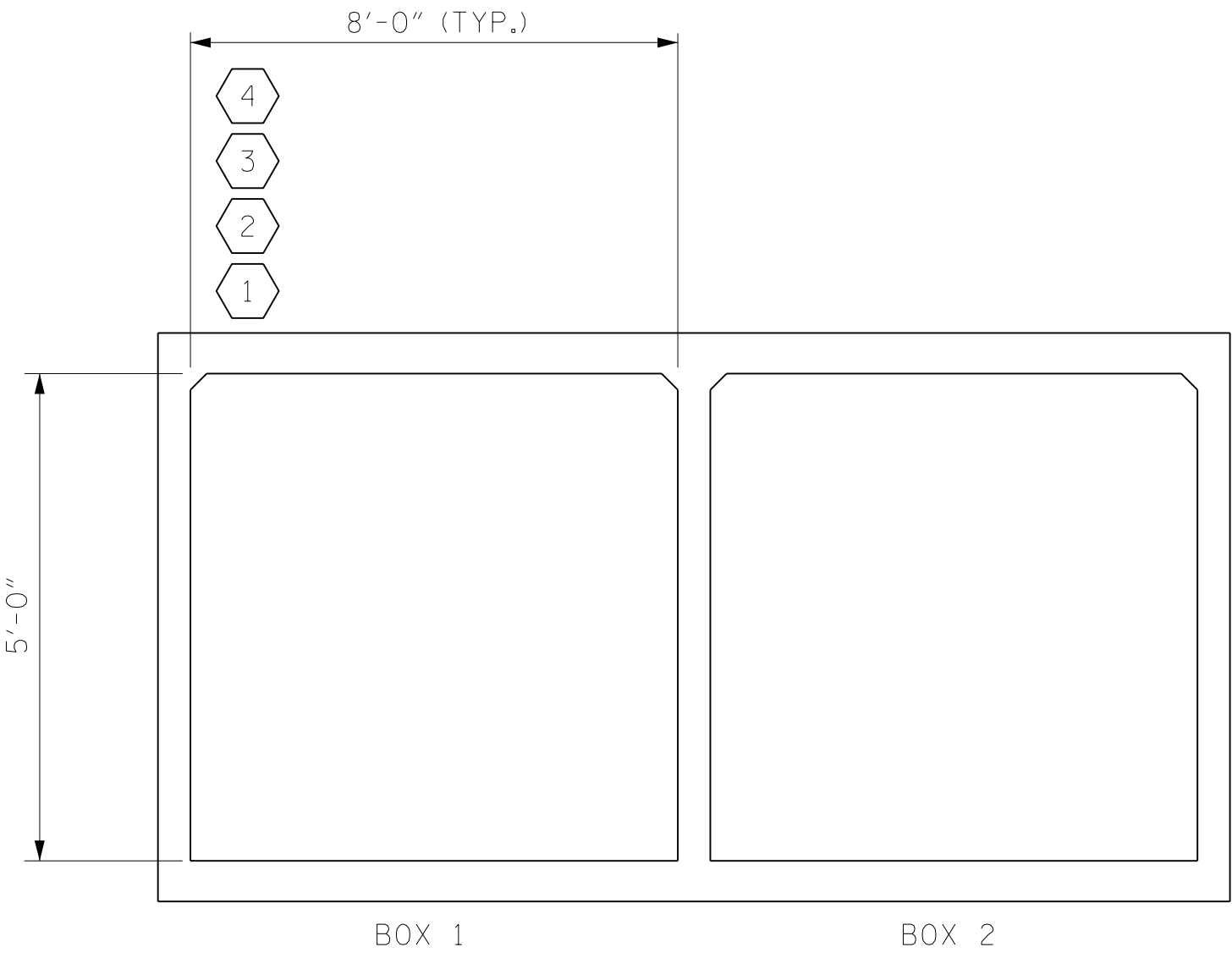
3

LEGAL LOAD RATING **

4

EMERGENCY VERHICLE LOAD RATING **

** SEE CHART FOR VEHICLE TYPE



LRFR SUMMARY
(LOOKING DOWNSTREAM)

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

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

LRFR SUMMARY FOR

REINFORCED CONCRETE

BOX CULVERTS

(NON-INTERSTATE TRAFFIC)

NO. 1

BY:

DATE:

NO. 3

BY:

DATE:

NO. 4

BY:

DATE:

SHEET NO.

C3-2

TOTAL SHEETS

7

RS&H Architects-Engineers-Planners, Inc.

8521 Six Forks Road, Suite 400

919-926-4100 FAX 919-846-9080

www.rsandh.com

North Carolina License Nos. 50073-F-0403 • C-28

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

LRFR SUMMARY FOR

REINFORCED CONCRETE

BOX CULVERTS

(NON-INTERSTATE TRAFFIC)

PROJECT NO. BP14.R002
HAYWOOD COUNTY
STATION: 11+46.15 -L189-

SHEET 2 OF 7

8/8/2025
\\rsandh.com\\files\\Transportation\\P\\1030014001.Div 14 Bridges_2016\\1030014001.R.173 430187.188.189.190\\Design\\Structures\\189\\CAD\\412_003-BP14.R002.SMU.CU.002_430189.dgn
AcostaM