Nellie Lane Bridge

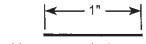
Corr Construction Services, Inc.

General Notes.

- 1) The bridge is designed for HL-93 vehicle loads, full impact, Strength I. The multiple presence factor was adjusted to 1.0 for ADT (loaded trucks, one way) less than 100.
- 2) The structural steel girders shall be A588 or ASTM 992 (Fy = 50 ksi, Fu= 65 ksi). Welding shall be performed by certified welders. Welds are designed for downhand installation, with safety factor of 2.0. Thus AWS D1.1 welding standard is acceptable, with no continuous weld inspection during welding procedures. All welds are to be 1/4 inch fillet welds useless called out otherwise. Use E70 electrodes.
- 3) Concrete in deck panels and precast wingwalls shall have a 28-day breaking strength (f'c) of 4000 psi and shall be as called out in the deck panel and wingwall design sheets.
- 4) Reinforcing steel (ASTM A615, Grade 60) shall be as called out in the deck panel design sheet.
- 5) Miscellaneous steel shall be A36 or better. Bolting hardware shall be ASTM F3125, Grade A325.
- 6) Permits, traffic control, utility protection and relocate, signaling and flagging, and environmental protections shall be by others. Barricading and signing shall be appropriately positioned, by others, when necessary to protect public from temporary hazard during construction
- 7) Pile shall be driven to 30 Ton if determined by standard Engineering News Equation. If modified Gates equation is used, drive pile to nominal capacity of 150,000 lbs (S.F = 2.5). Provide the Engineer with hammer specification and allow for verification of target pile set.

Sheet List

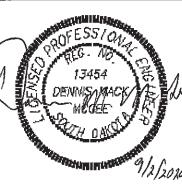
Sheet Number		Sheet Title
	1	Plan and Elevation
	2	Deck Section
	3	Bent Elevation
	4	Bent Details
	5	Steel Girder Framing
	6	Precast Deck Details
	7	Precast Wingwall Details



Measure one inch on original drawing. Adjust scales accordingly

McGee Engineering Inc

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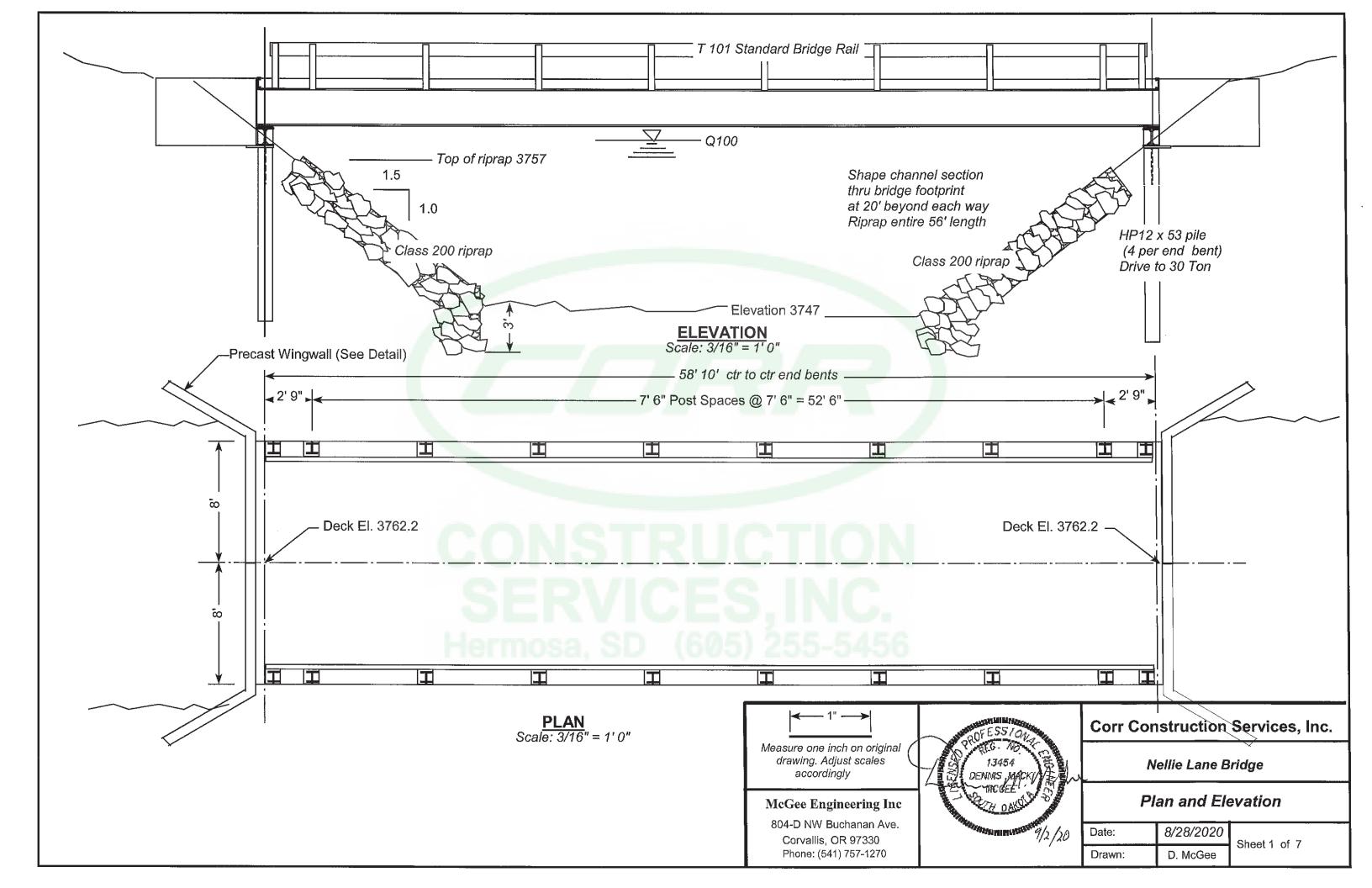


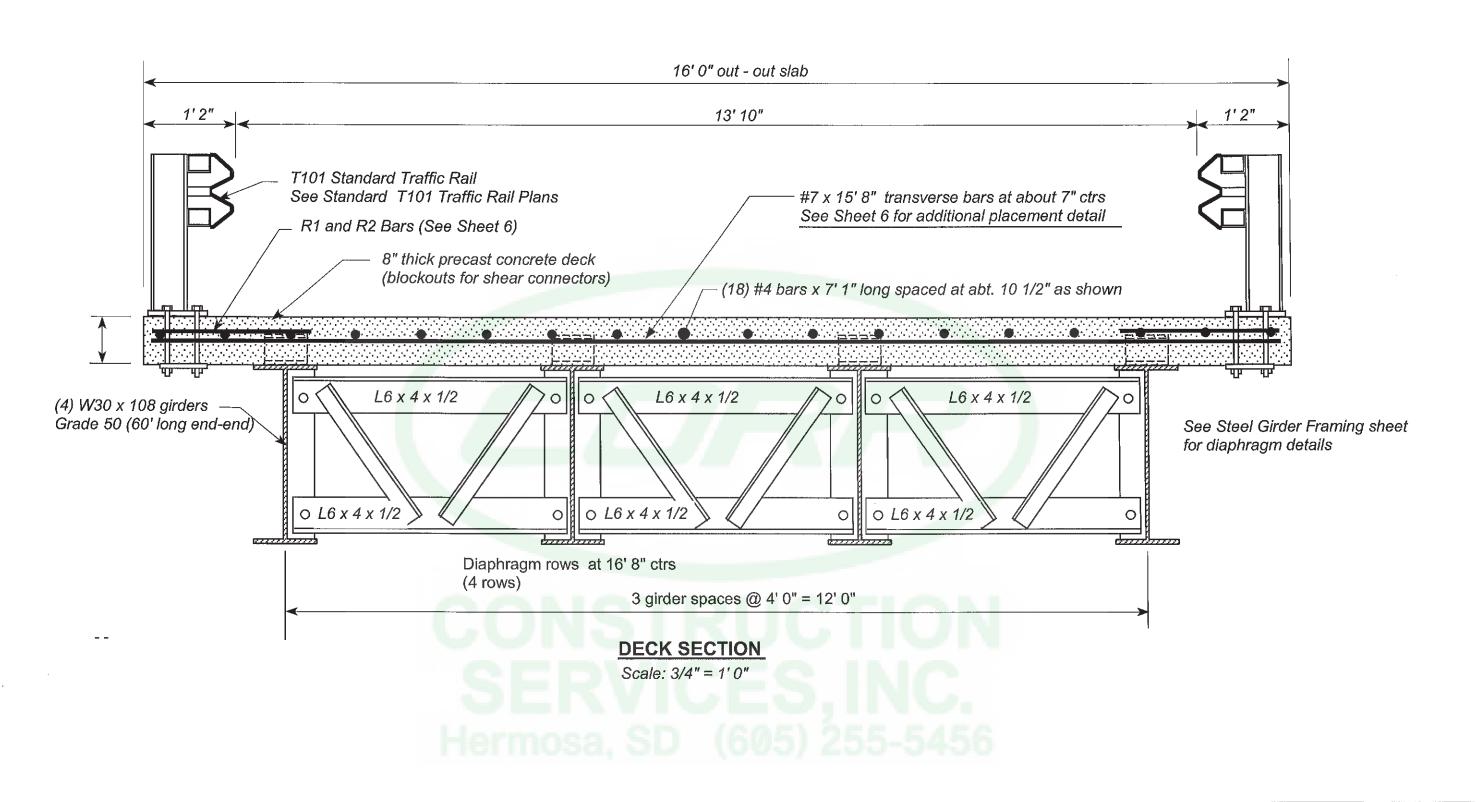
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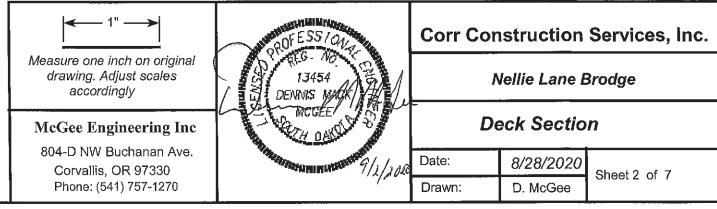
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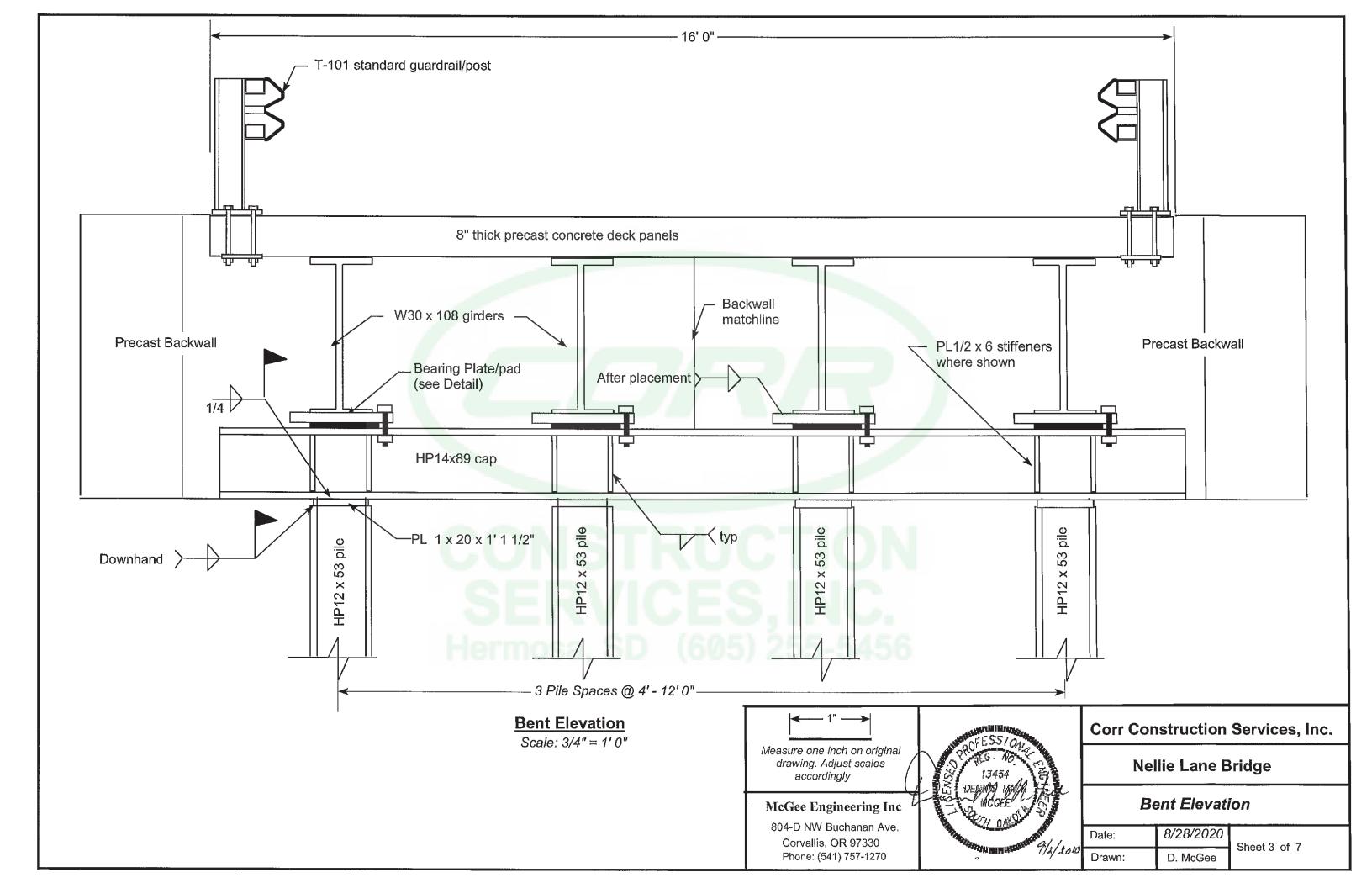
Date: 8/28/2020

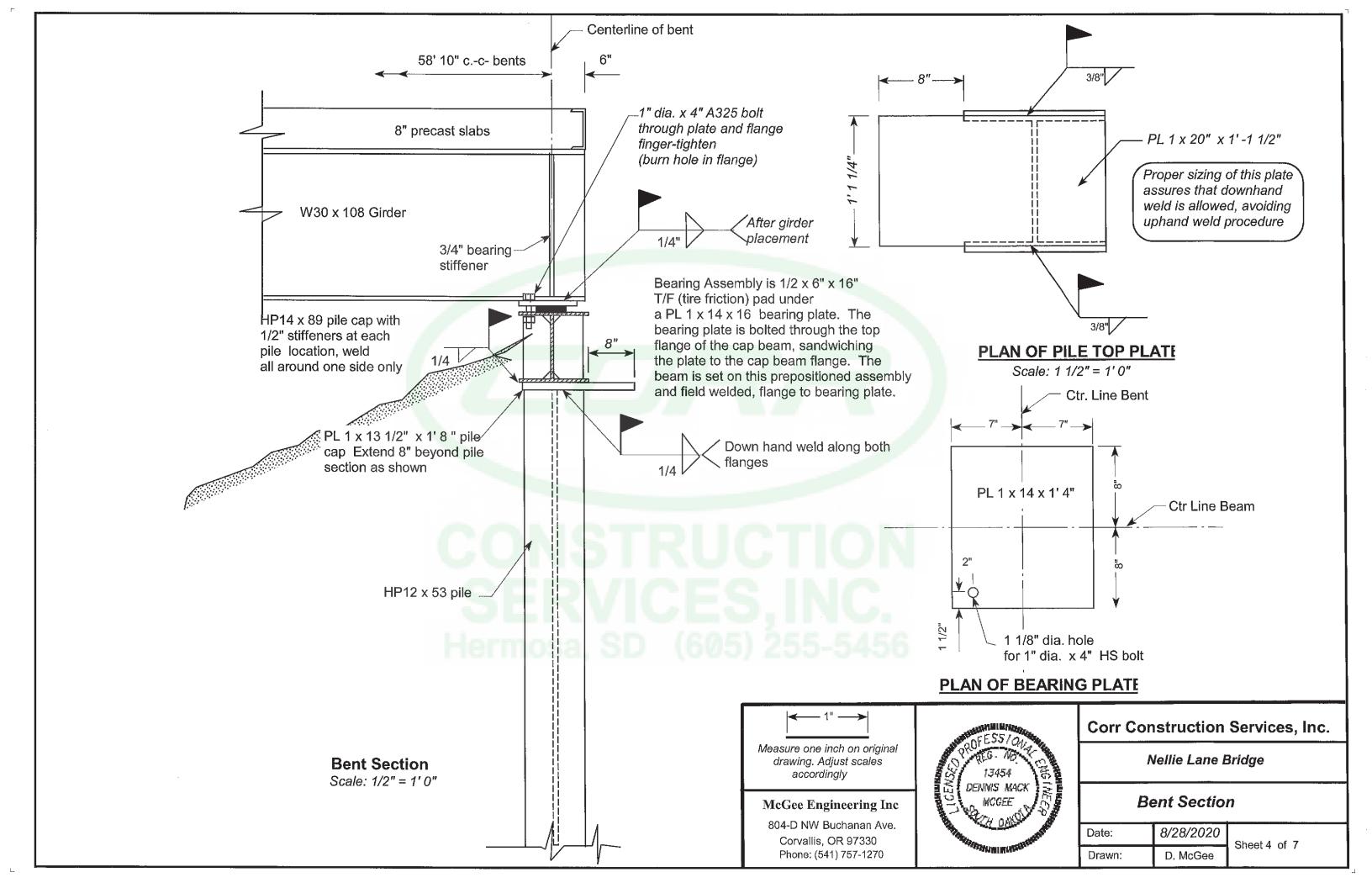
Drawn: D. McGee

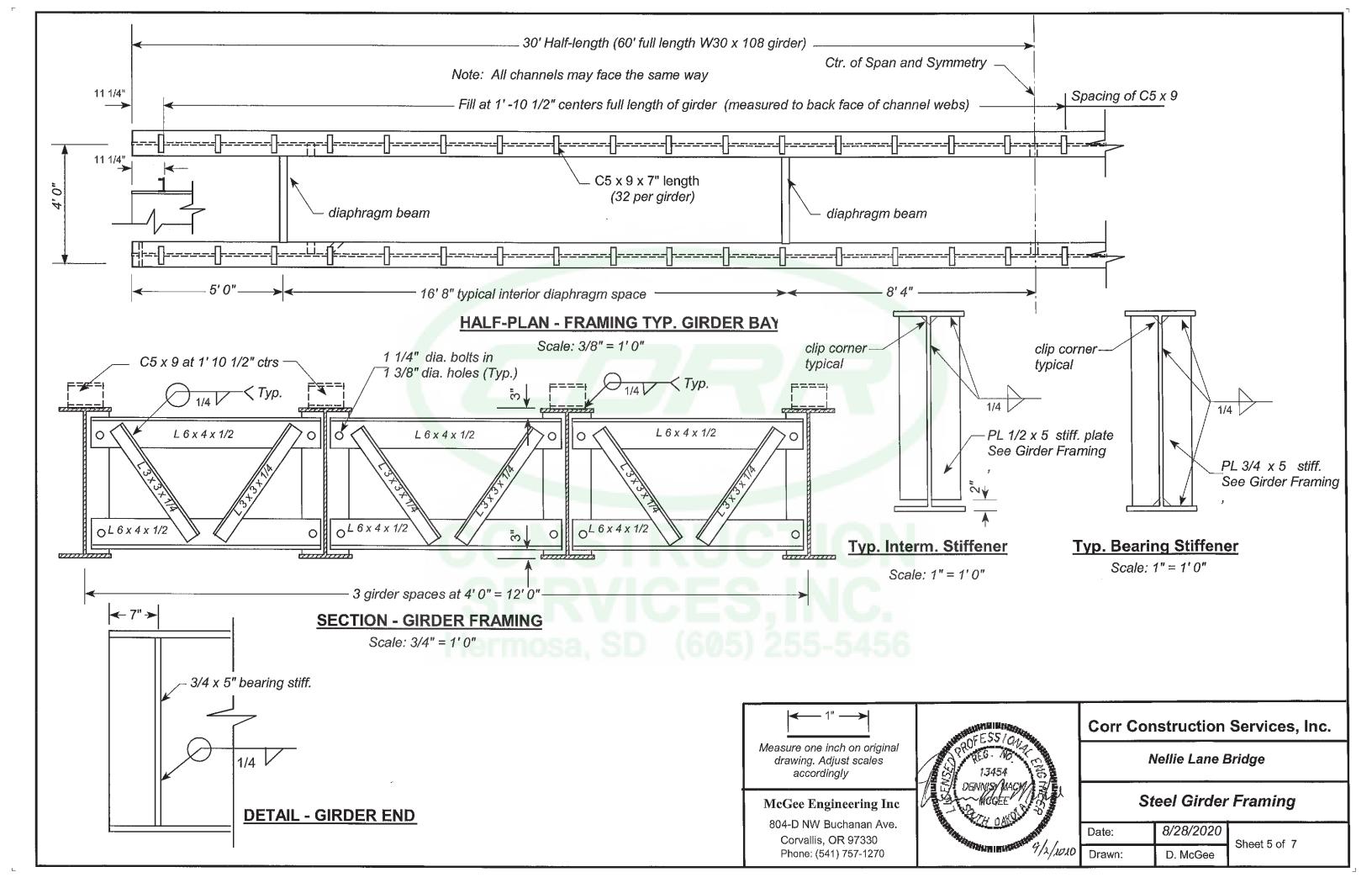


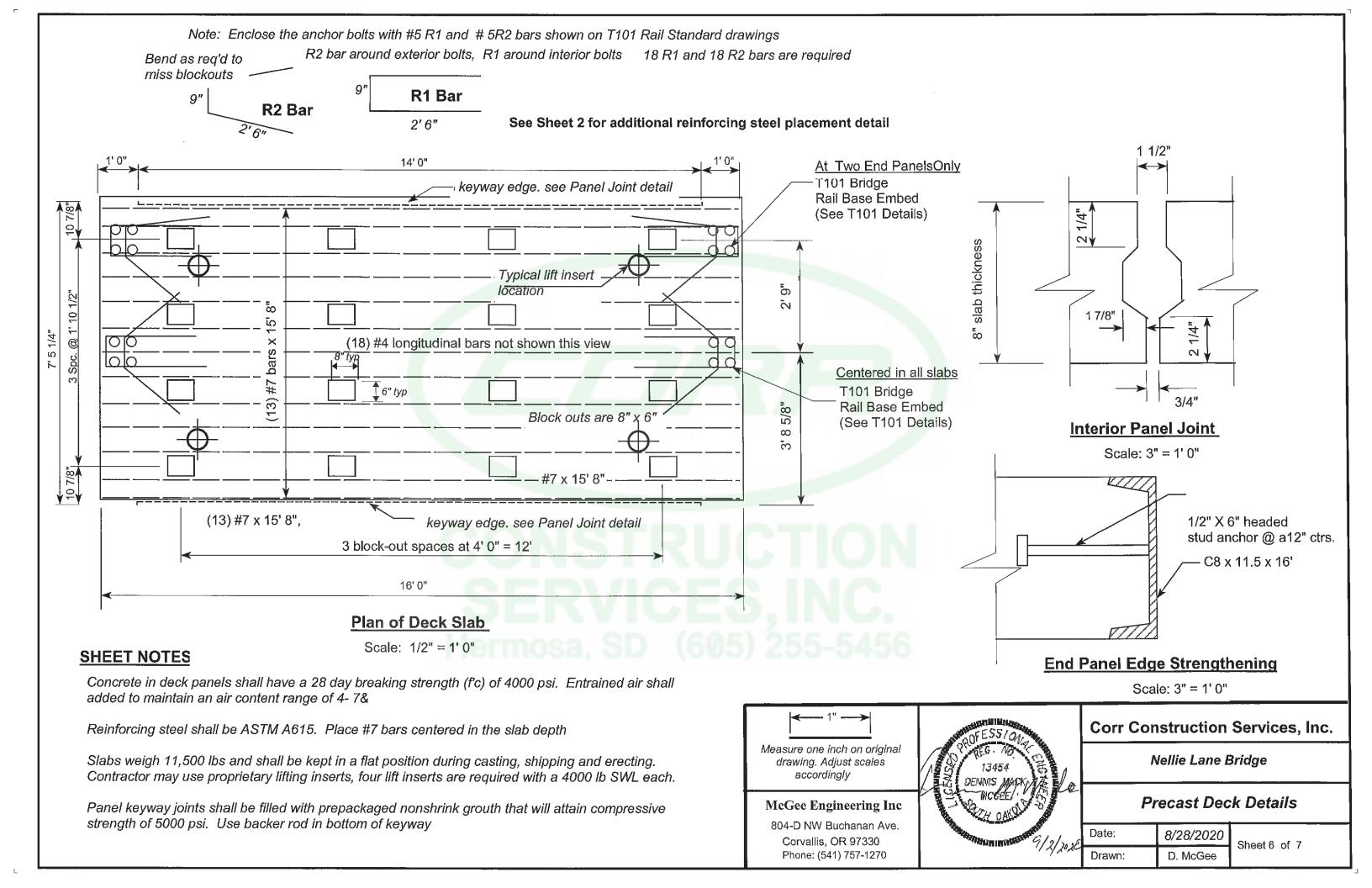


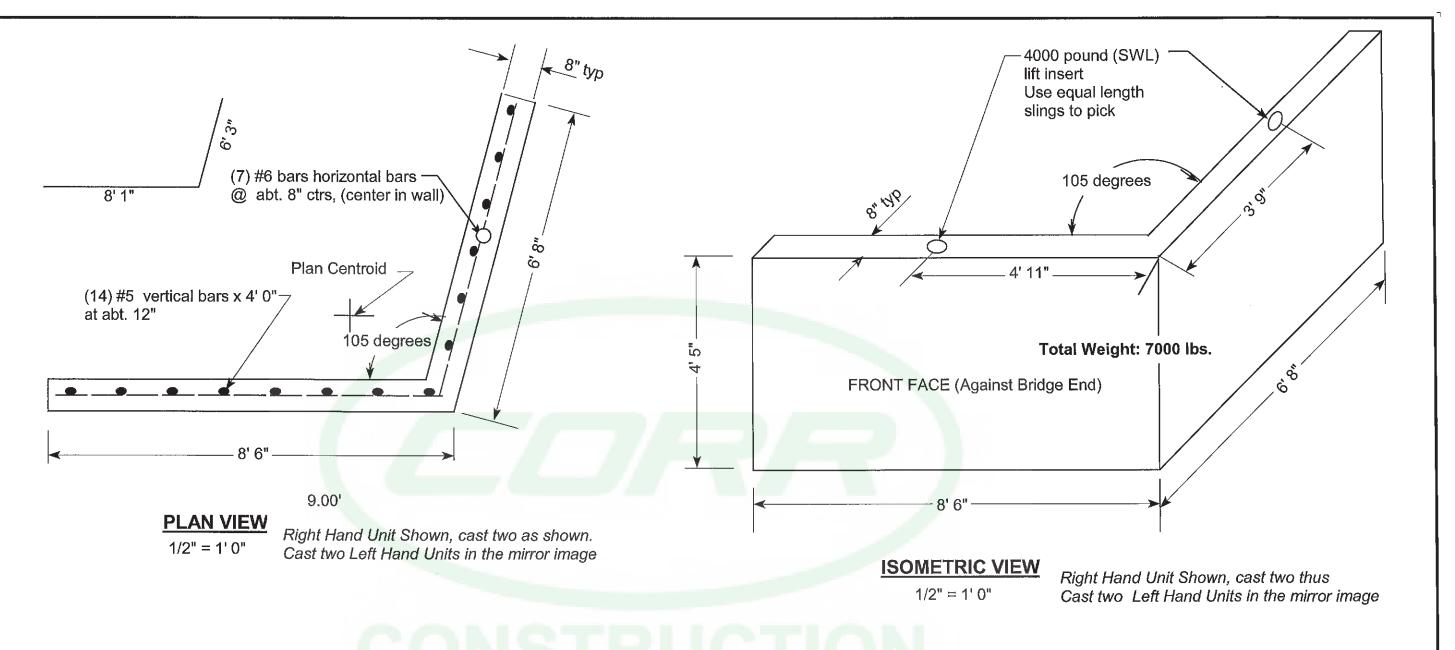












SHEET NOTES

Concrete in deck panels shall have a 28 day breaking strength (f'c) of 4000 psi. Entrained air shall added to maintain an air content range of 4- 7&

Reinforcing steel shall be ASTM A615. Place #6 horizontal bars centered in the wall thickness depth

Backwall units weigh 7000 lbs and shall be kept in a upright position during casting, shipping and erecting. Contractor may use proprietary lifting inserts, two lift inserts are required with a 4000 lb SWL each.

Place wingwall units on pile cap plate extension for vertical support. Provide temporary support or bracing until adequate backfill is placed to hold the backwall tight to the bridge girder ends. Keep personnel clear of possible wingwall tipout until the system is stabilized by backfill.

