

STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
N. J.			
STRUCTURE NO.			
STRUCTURE NAME			

### INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE

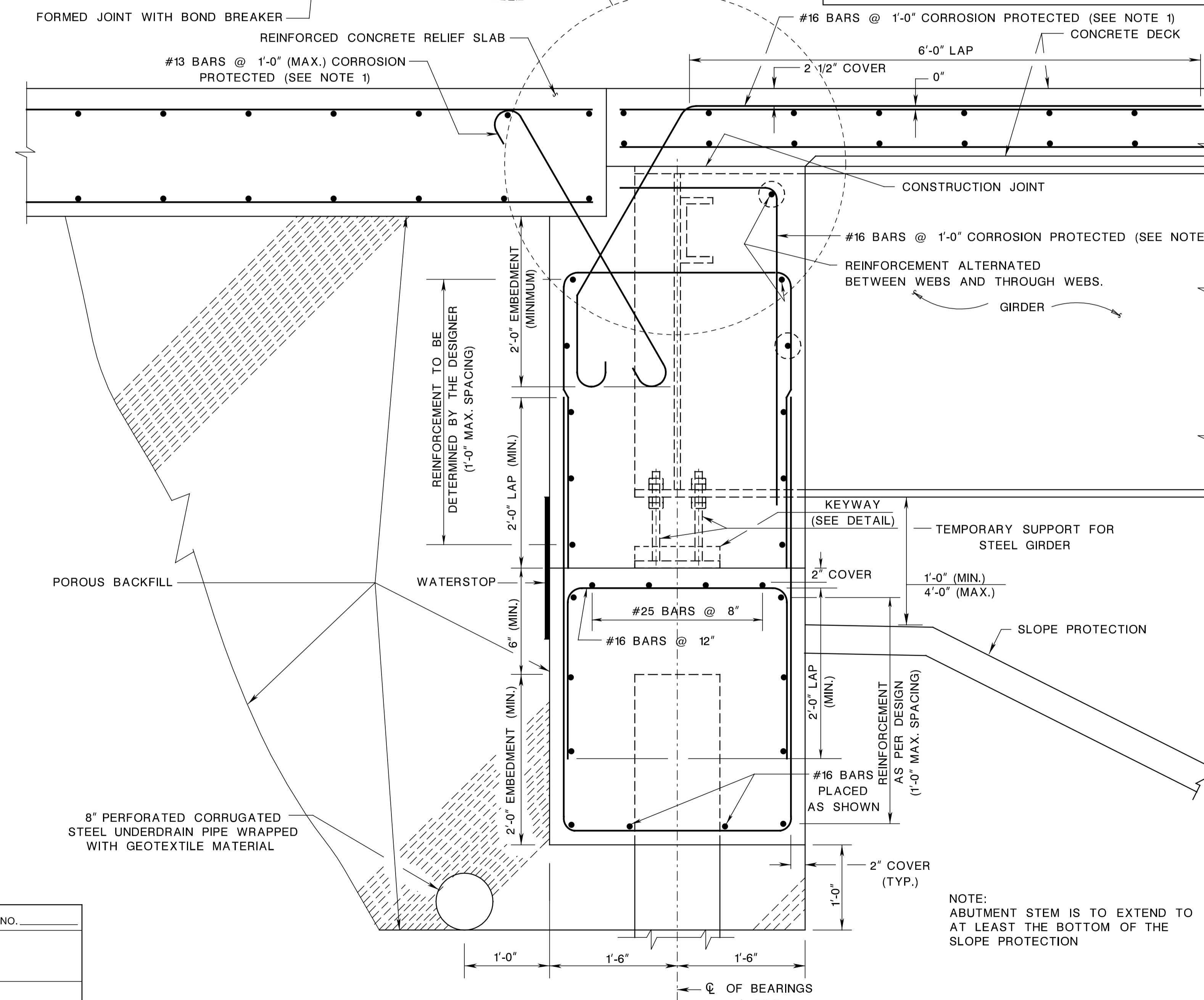
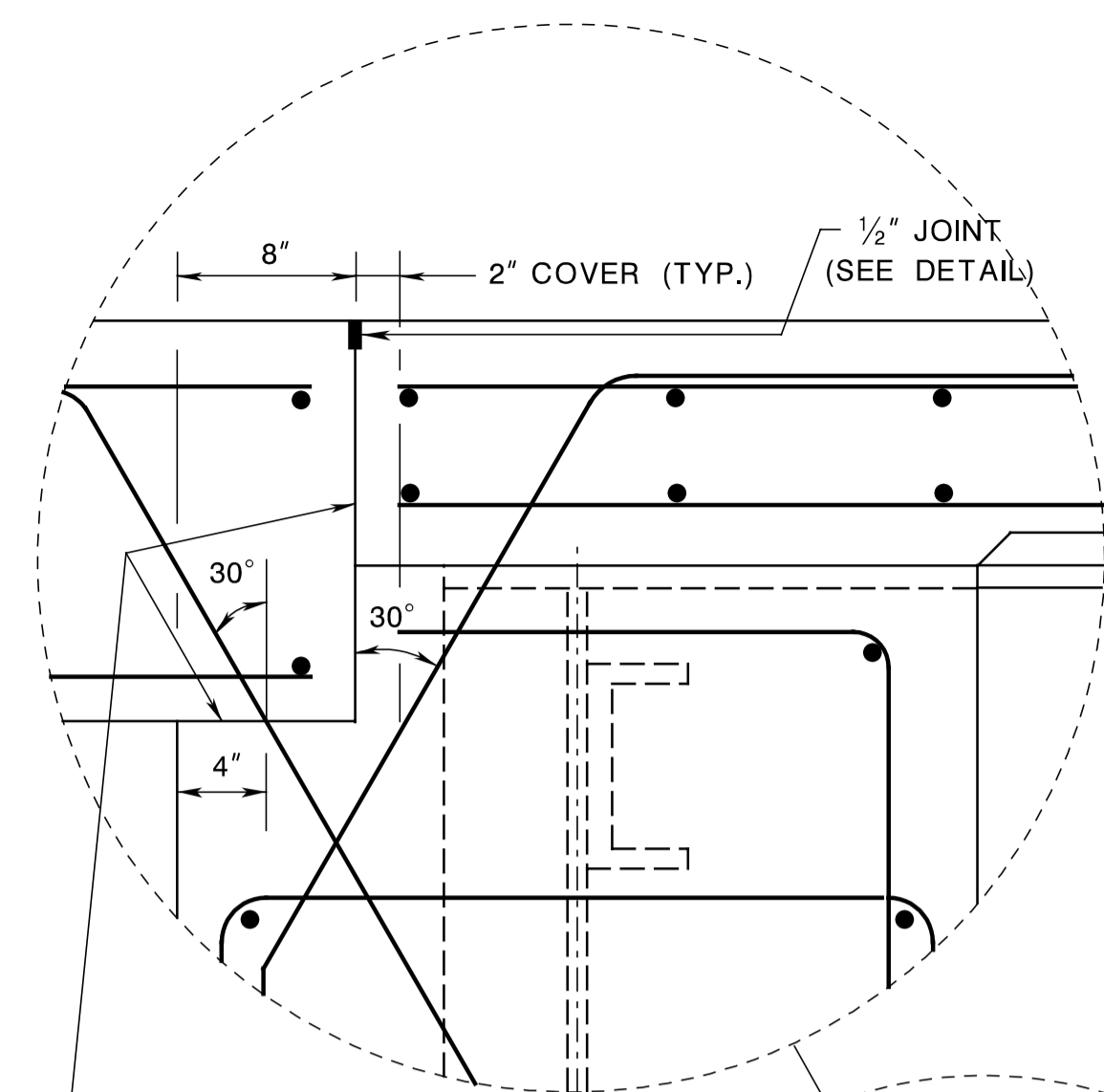
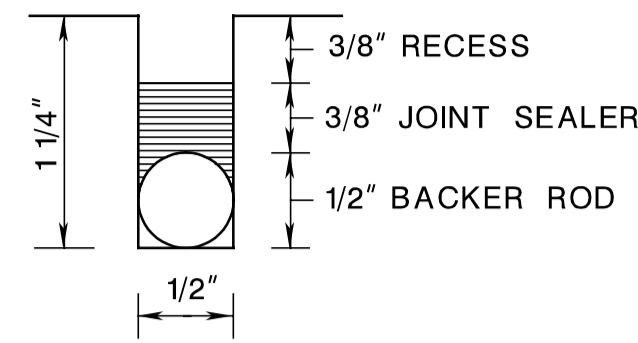
- FOR BRIDGE LENGTHS OVER 100 FT. PRE-EXCAVATE HOLES TO A DEPTH OF 8 FT. BELOW THE STEM AT THE DIAMETER SPECIFIED IN THE FOUNDATION DESIGN REPORT.
- DRIVE THE PILES AND CUT OFF PILES AT ELEVATIONS SHOWN.
- BACKFILL HOLES WITH DESIGNATION I-8 SAND. IF CIP PILES ARE USED, FILL THE SHELL WITH CONCRETE.
- PLACE THE ABUTMENT STEM CONCRETE TO REQUIRED BRIDGE SEAT ELEVATION.
- BACKFILL ABUTMENT STEM TO 6" BELOW THE BRIDGE SEAT ELEVATION AFTER THE ABUTMENT STEM IS CURED.
- ERECT GIRDERS AND INSTALL ALL DIAPHRAGMS.
- PLACE ABUTMENT STEM CONCRETE TO TOP OF GIRDERS.
- BACKFILL ABUTMENT BACKWALLS AFTER THE CONCRETE IS CURED.
- AFTER THE ABUTMENT CONCRETE IS CURED, POUR DECK IN PROPER SEQUENCE EXCLUDING THE BACKWALL DIAPHRAGM AND A PORTION OF THE DECK SLAB THAT IS EQUAL TO THE BACKWALL DIAPHRAGM WIDTH.
- TIGHTEN THE ANCHOR NUTS AND POUR THE BACKWALL/DIAPHRAGM FULL HEIGHT AND THE REMAINDER OF THE DECK SLAB. THE WINGWALLS MAY ALSO BE POURED CONCURRENTLY.
- PLACE CONCRETE FOR RELIEF SLABS.

#### NOTE TO DESIGNER:

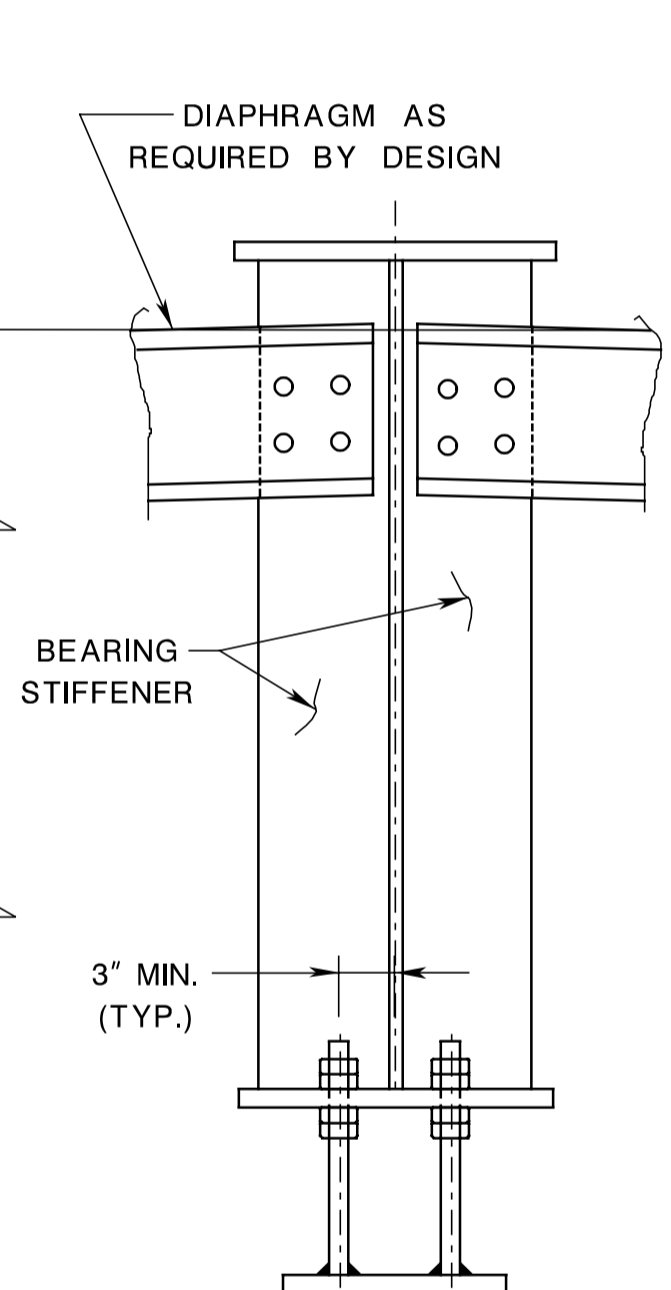
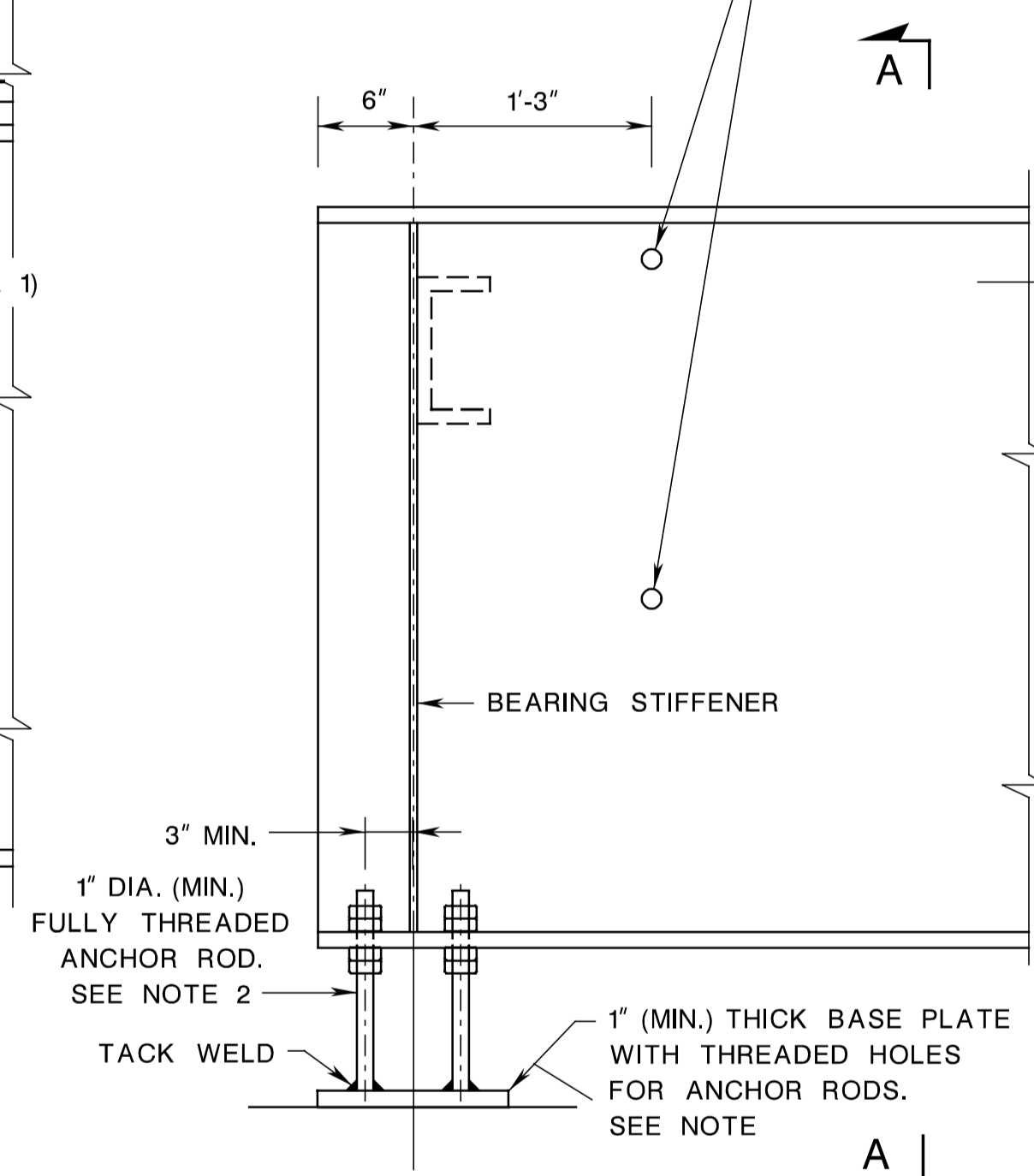
DETAILING INCLUDED WITHIN THIS DRAWING MAY BE UTILIZED IN PREPARING CONTRACT PLANS. HOWEVER, IN CONFORMANCE WITH THE PROVISIONS OF SECTION 15 OF THIS MANUAL, ALTERNATIVE DETAILING MAY BE PROVIDED.

#### NOTES:

- ALL REBARS IN THE ABUTMENT ARE TO BE CORROSION PROTECTED. (REFER TO SECTION 26 OF THIS MANUAL FOR TYPES OF CORROSION PROTECTED REINFORCEMENT STEEL THAT CAN BE USED)
- THE ANCHOR RODS AND BASE PLATE TO BE DESIGNED TO SUPPORT THE DEAD LOAD OF THE GIRDERS, DIAPHRAGMS AND UTILITIES.

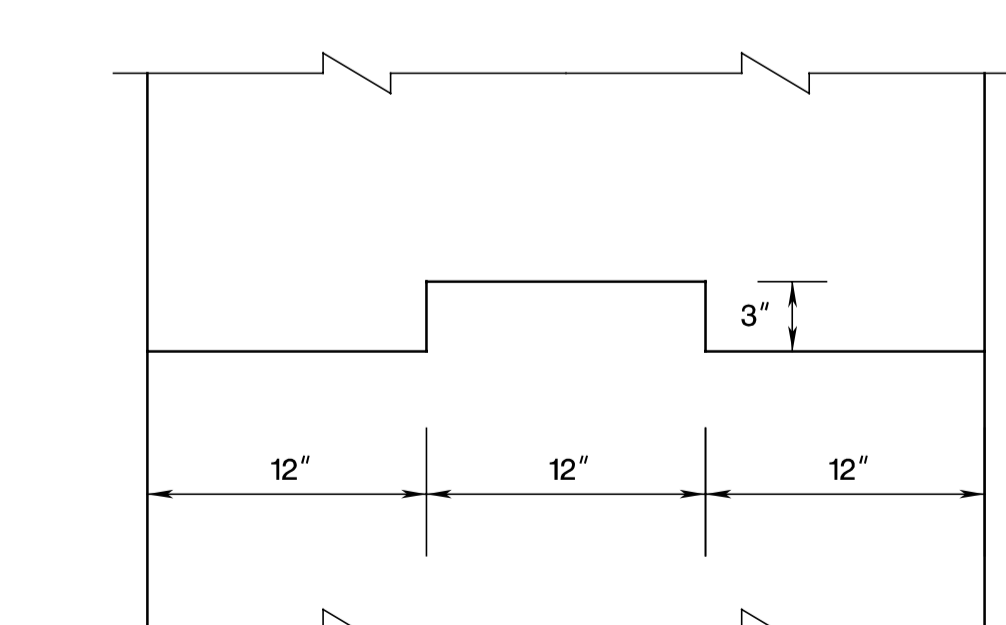


HOLE IN WEB FOR ABUTMENT STEM REINFORCEMENT. ADJUST AS NECESSARY FOR REQUIRED DIA. REINFORCING BARS AND SKEW ANGLE 1/4" MIN. (TYP.)



TYPICAL INTERIOR GIRDER ELEVATION

SECTION A-A



NOTE: KEYWAY TO STOP 4" FROM SUPPORT PLATE OR CONSTRUCTION JOINT

NOTE: ABUTMENT STEM IS TO EXTEND TO AT LEAST THE BOTTOM OF THE SLOPE PROTECTION

CONTROL SECTION		JOB NO.	
DES. BY		CHK. BY	
DWN. BY		CHK. BY	
EST. BY		CHK. BY	
SPECS. BY			
IN CHARGE OF _____			

BDC04MB-01

**STANDARD DRAWING PLATE 2.9-1**

NEW JERSEY DEPARTMENT OF TRANSPORTATION  
BUREAU OF STRUCTURAL ENGINEERING

**INTEGRAL ABUTMENTS FOR STEEL SUPERSTRUCTURE - 1 OF 2**

ROUTE: \_\_\_\_\_ SECTION: \_\_\_\_\_

MUNICIPALITY: \_\_\_\_\_ COUNTY: \_\_\_\_\_

SCALE: NONE

BRIDGE SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_