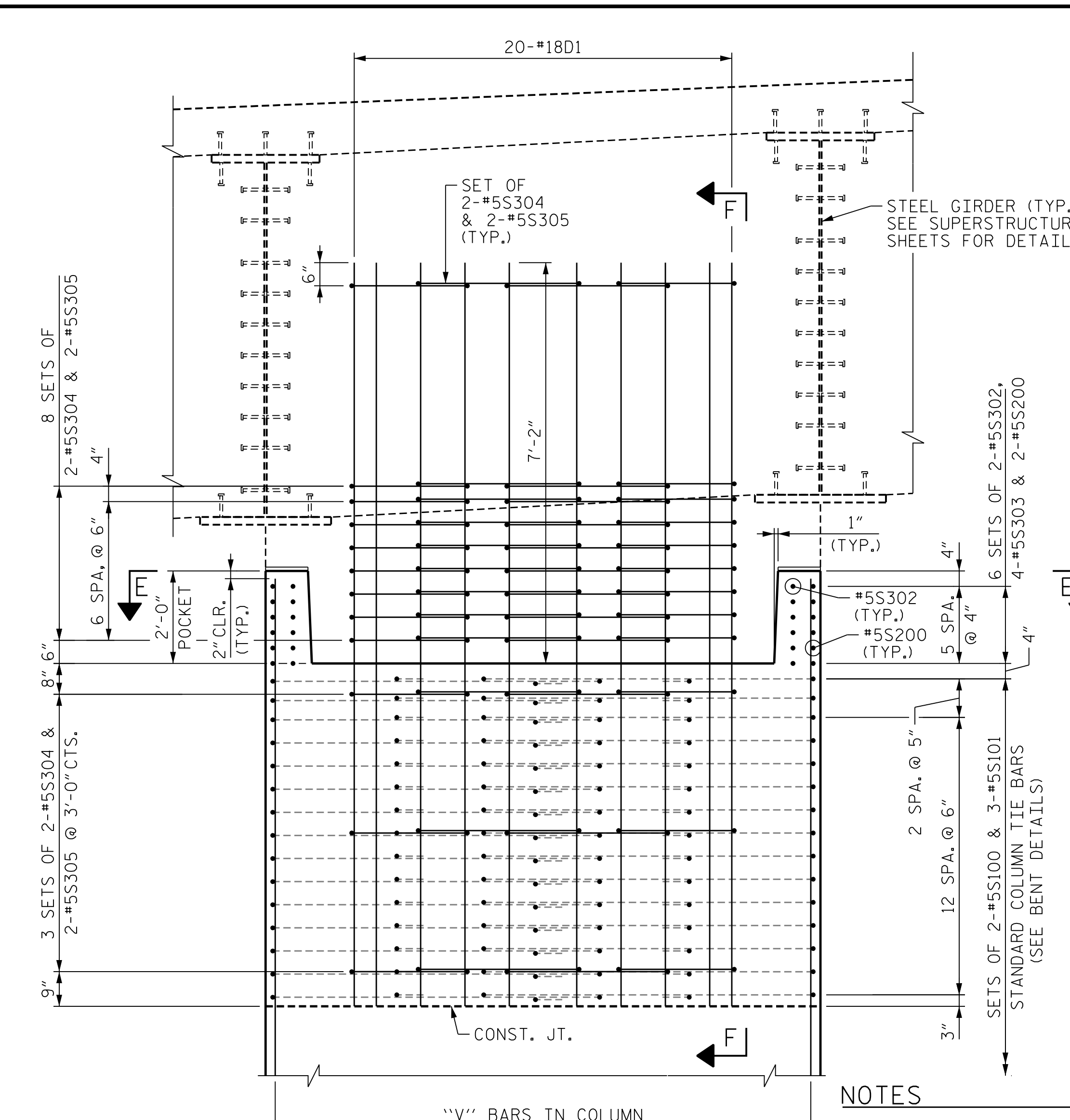
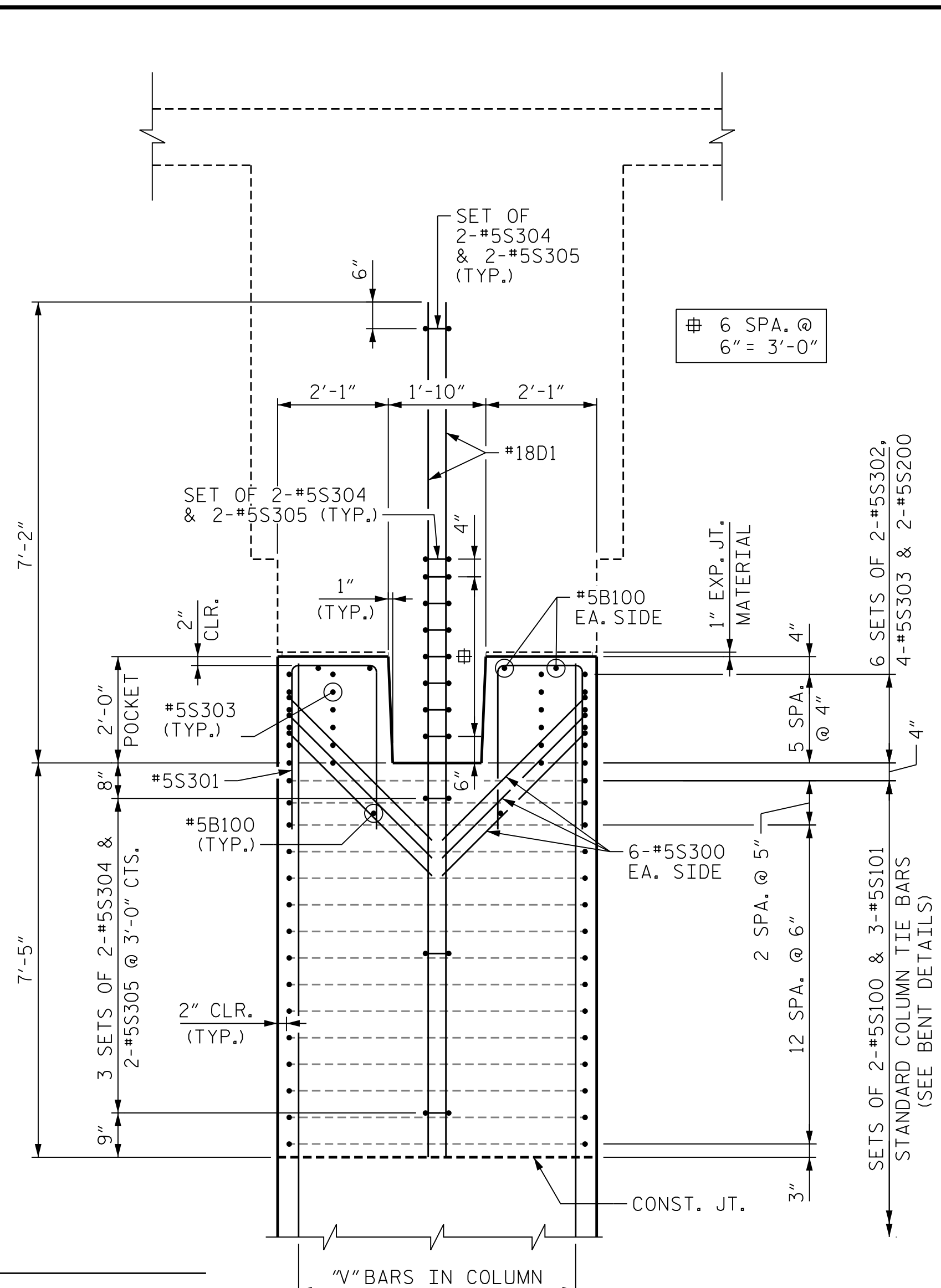


ELEVATION OF HINGE



SECTION D-D



SECTION F-F

NOTES

THE MALE SHEAR KEY AND ABOVE SHALL BE POURED MONOLITHICALLY WITH THE INTEGRAL BENT CAP CONCRETE (6000 PSI CONCRETE).

THE 1" EXPANSION JOINT MATERIAL AND LOW MODULUS SILICONE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR 6000 PSI CONCRETE.

REINFORCING IN THE HINGE REGION MAY BE SHIFTED SLIGHTLY AS DIRECTED BY THE ENGINEER.

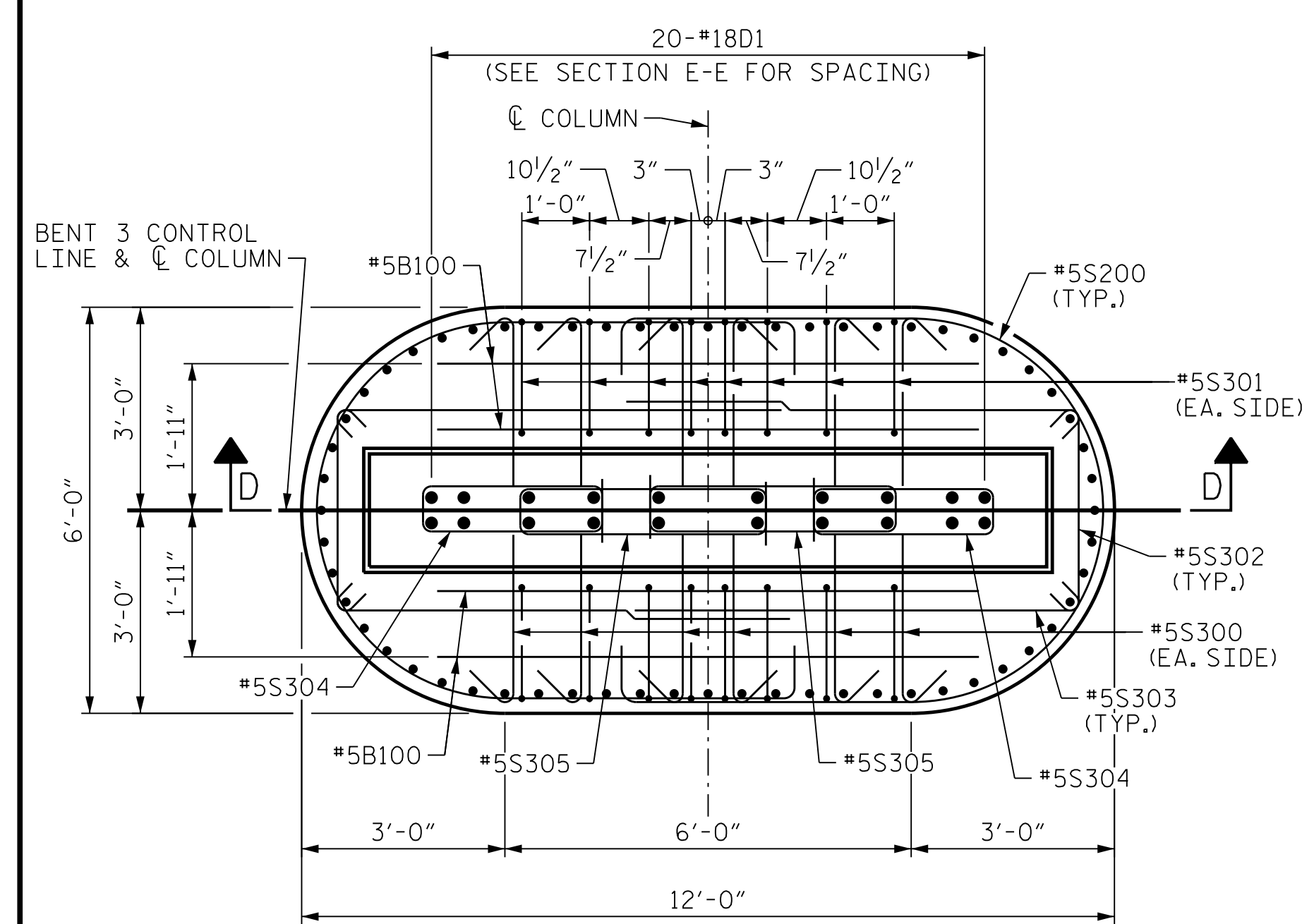
SEE DRAWING "SCHEMATIC SEQUENCE OF CONSTRUCTION AND NOTES INTEGRAL BENT 3".

TOP OF COLUMN SHALL RECEIVE A SMOOTH TROWELLED FINISH AND BE THOROUGHLY CLEANED PRIOR TO PLACEMENT OF EXPANSION JOINT MATERIAL AND HINGE MALE SHEAR KEY AND ABOVE CONCRETE.

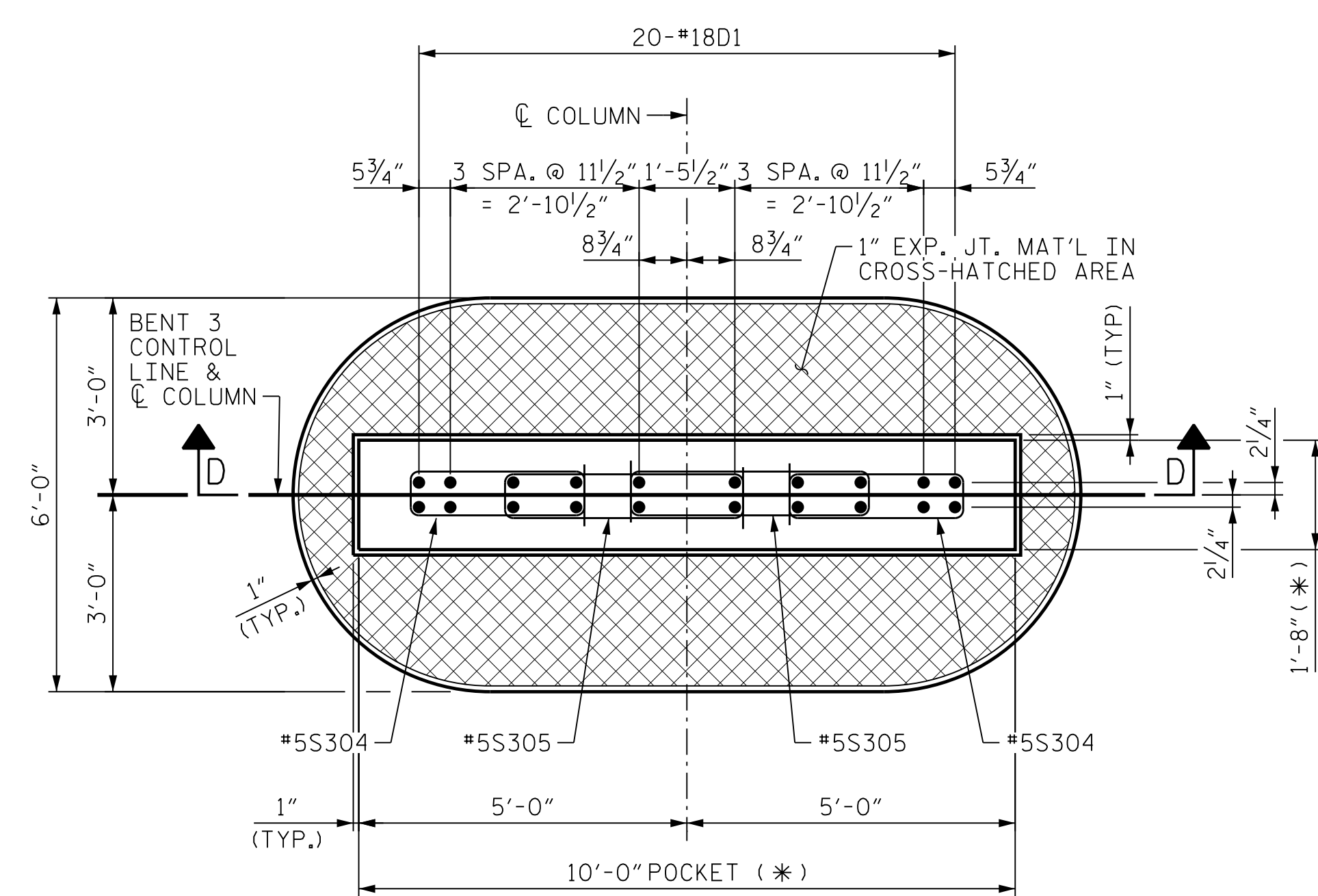
SIDE SURFACE OF THE SHEAR KEY POCKET SHALL BE SMOOTH AND SHALL BE THOROUGHLY CLEANED PRIOR TO PLACEMENT OF ROOFING FELT (BOND BREAKER) AND HINGE MALE SHEAR KEY CONCRETE.

BOTTOM SURFACE OF THE SHEAR KEY POCKET SHALL BE SMOOTH AND SHALL BE THOROUGHLY CLEANED AND FREE FROM STANDING WATER PRIOR TO PLACEMENT OF MALE SHEAR KEY CONCRETE.

FOR REINFORCING STEEL AND CONCRETE QUANTITIES SEE SHEET 4 OF 4. SEE "SUBSTRUCTURE BENT 3 BENT CAP DETAILS" SHEET 2 OF 3 FOR LOW MODULUS SILICONE SEAL, 20# ROOFING FELT, MALE SHEAR KEY AND ABOVE CONCRETE AND REINFORCING DETAILS.

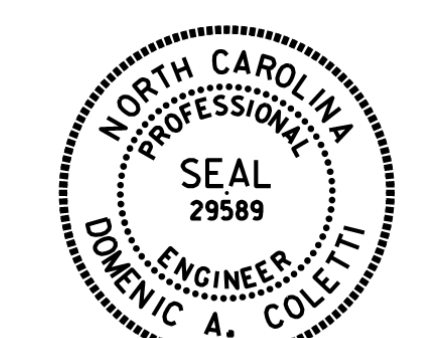


SECTION C-C



SECTION E-E

* = MEASURED AT BOTTOM OF POCKET



10/15/2021

PROJECT NO. U-2579AB
 FORSYTH COUNTY
 STATION: 60+66.06 -Y15FLYAC-

SHEET 3 OF 4

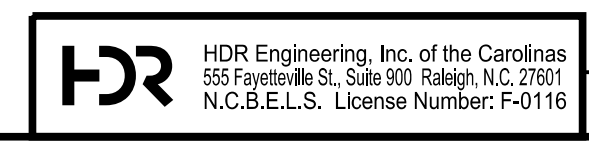
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT 3
 HINGE DETAILS

| REVISIONS | | | | | | SHEET NO. S04-103 TOTAL SHEETS 144 |
|-----------|-----|-------|-----|-----|-------|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | -- | -- | 3 | -- | -- | |
| 2 | -- | -- | 4 | -- | -- | |

PLOT DRIVER: NCDOT...
 USER: PPETERSO...
 DATE: 10/14/2021...
 TIME: 4:07:05 PM...
 FILE: ...SUBSTR...

| | | | |
|---------------------|-------------|---------------------|-------------|
| DES BY: I. ANDREWS | DATE: 10/19 | DWG BY: B. PETERSON | DATE: 10/19 |
| DES CHK: D. COLETTI | DATE: 10/19 | CHK BY: D. COLETTI | DATE: 11/19 |



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED