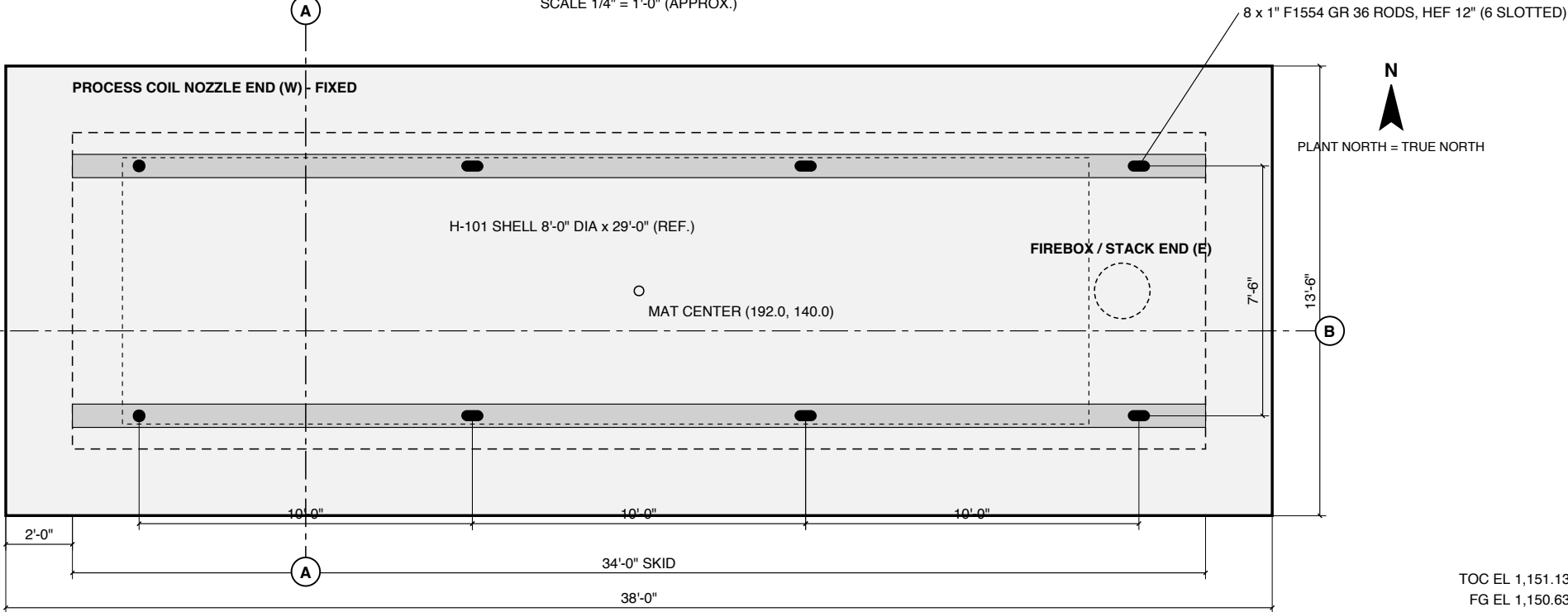


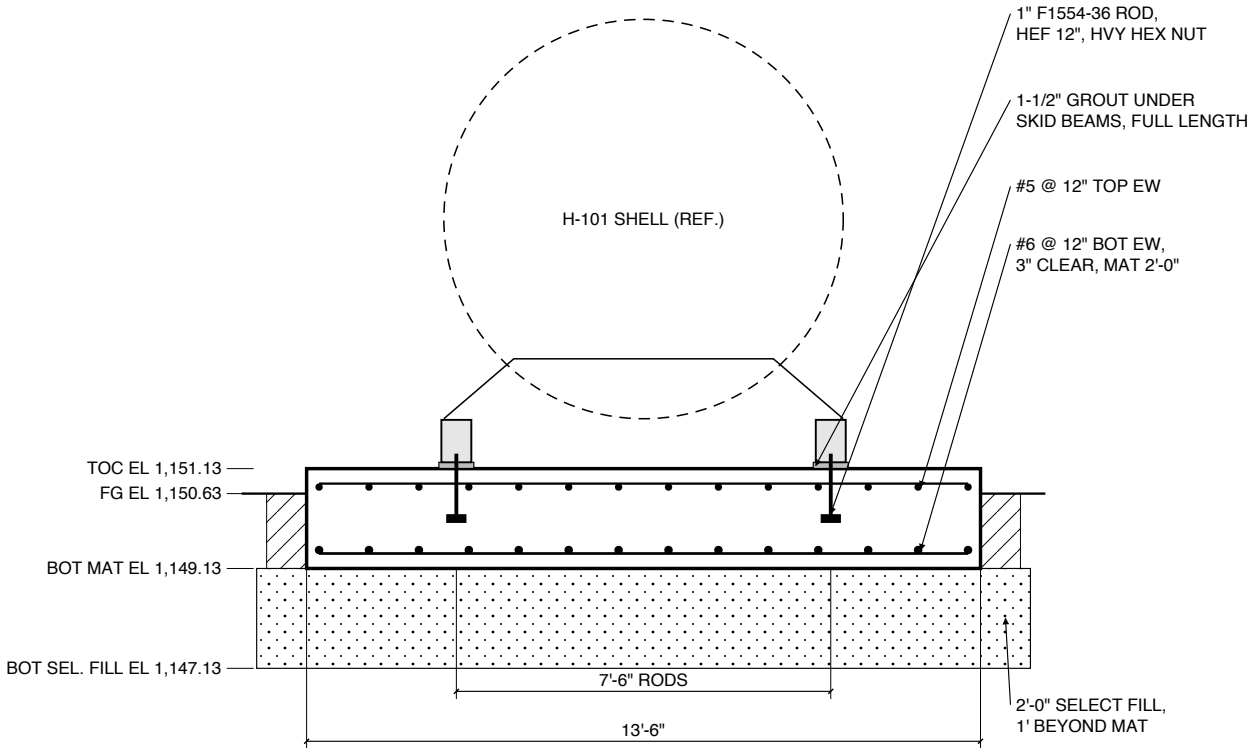
PLAN - FD-02 H-101 MAT

SCALE 1/4" = 1'-0" (APPROX.)



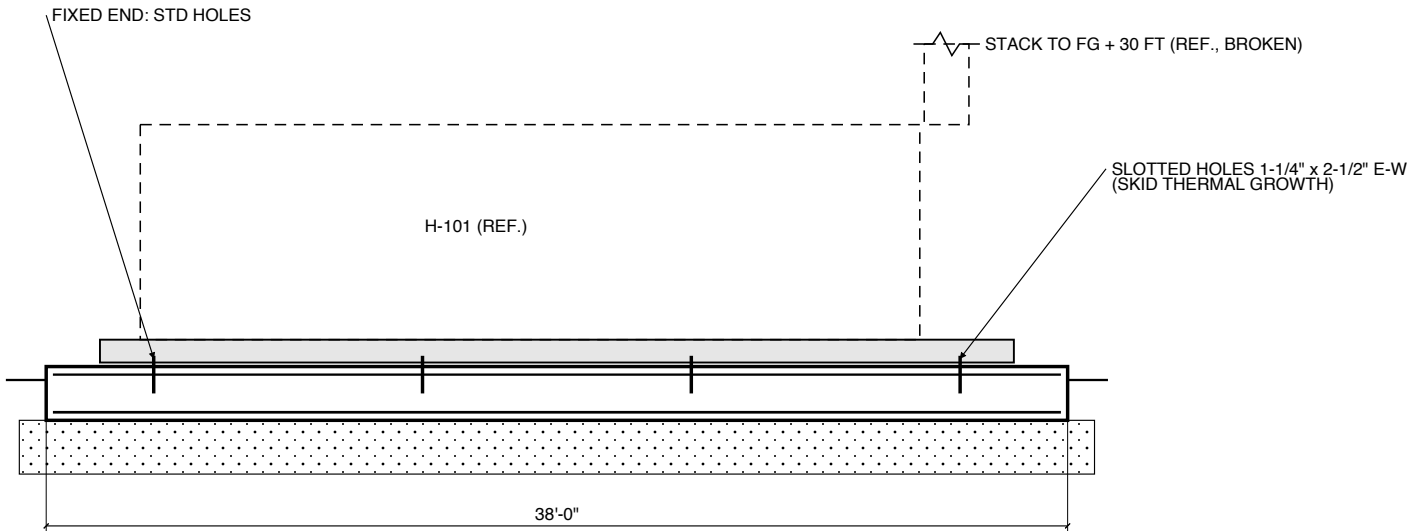
SECTION A-A

SCALE 5/16" = 1'-0" (APPROX.)



SECTION B-B

SCALE 5/32" = 1'-0" (APPROX.)



BAR SCHEDULE - FD-02 H-101 MAT

MARK	SIZE	NO.	LENGTH	LOCATION
B1	#6	14	37'-6"	BOT, E-W @ 12"
B2	#6	38	13'-0"	BOT, N-S @ 12"
T1	#5	14	37'-6"	TOP, E-W @ 12"
T2	#5	38	13'-0"	TOP, N-S @ 12"
E1	#4	4	13'-0"	U-BARS AT ROD GROUPS

NOTES:

- CONCRETE f'_c = 4,000 PSI; A615 GR 60; LAP 30 db MIN; 3" CLR BOTTOM/SIDES.
- MOISTURE-CONDITION TOP 12" OF SUBGRADE, THEN 2'-0" SELECT FILL.
- SET RODS BY TEMPLATE FROM CERTIFIED HEATER DRAWING (HOLD H-15).
- FUEL GAS, BMS CONDUIT AND DRAIN SLEEVES: CAST PER HEATER VENDOR DATA.
- H-101 CG TAKEN AT SKID CENTER; RE-CHECK WITH VENDOR CG.

DESIGN SUMMARY (STR-CAL-002):

H-101 6.0 MMBTU/H, 34 x 9.5 FT SKID
OPERATING WEIGHT 98.0 KIP (TYP., HOLD H-15)
MAX BEARING 560 PSF $\leq$ 2,000 PSF
FS OVERTURNING 20.2, SLIDING 6.9 (MIN.)
IMMEDIATE SETTLEMENT 0.21 IN

NOTES / REFERENCES

- DESIGN PER STR-CAL-002 (FD-02); LOADS PER STR-CAL-001.
- GEOMETRY PER MEC-DS-003. ELEVATIONS NAVD88.
- FG FROM CIV-DWG-003. TOC = TOP OF MAT = FG + 6".
- ALLOWABLE BEARING 2,000 PSF; CLAY PARAMETERS ASSUMED (HOLD H-07).
- ANCHOR RODS ASTM F1554 GR 36, HOT-DIP GALVANIZED, HEAVY HEX NUT + PLATE WASHER.
- FIXED END AT PROCESS COIL NOZZLES (WEST); SLOTTED HOLES AT OTHER RODS.
- LOCATION PER STR-DWG-001: MAT CENTER (192.0, 140.0).

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO _____
COUNTY, _____
DISCIPLINE: STRUCTURAL
SCALE: AS NOTED

H-101 LINE HEATER FOUNDATION

FD-02 MAT PLAN AND SECTIONS
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO. STR-DWG-003
SHEET 1 OF 1 REV A