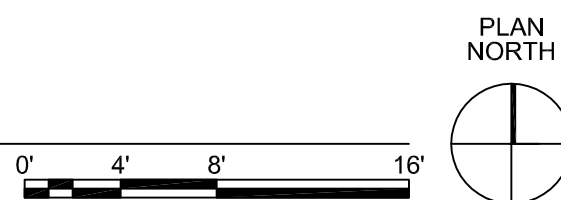




SCALE: $\frac{1}{8}"=1'-0"$



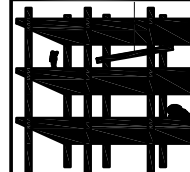
SHEET NOTES

NOTE: SIGNIFICANT UNDERGROUND PREPARATION AND ON-GOING IMPROVEMENT ACTIVITIES ARE AND WILL BE OCCURRING WITHIN AND AROUND THE ROSS HEADFRAME. FOR THE ENTIRETY OF THE CONSTRUCTION PERIOD FOR THIS WORK, RESTRICTIONS ON ALLOWED PROJECT-SPECIFIC WORK ACTIVITIES, TIMING AND COORDINATION OF SUCH ACTIVITIES IS REQUIRED. THE SDSTA/FFDG WILL DIRECT THE CONTRACTOR AS TO THE COORDINATION REQUIREMENTS INCLUDING ALL PROJECT SPECIFIC ACTIVITY LIMITATION AND SAFETY REQUIREMENTS THAT THE CONTRACTOR MUST ADHERE TO. SPECIFYING THE LIMITATIONS IS OUTSIDE THE SCOPE OF THESE CONSTRUCTION DOCUMENTS AND SHALL COME DIRECTLY FROM THE SDSTA/FFDG.

OVERALL SLAB REPLACEMENT WITH EXTERIOR RAIL PLAN NOTES

- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS AND ELEVATIONS W/ FIELD CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- THE NEW CONCRETE SLAB IS TO MATCH THE ELEVATION OF THE DEMOLISHED SLAB AND IS TO TIE-IN WITH THE EXISTING SHAFT INFRASTRUCTURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE NECESSARY EXISTING ELEVATIONS AND TIE-IN POINTS WITH THE NEW CONCRETE SLAB-ON-GRADE PLACEMENT.
- ALL NEW RAIL TO CONSIST OF ASCE 40 LB/YD MATERIAL. THE NEW RAIL GAUGE IS SHOWN IN PLAN
- RAIL SECTIONS ARE TO BE CONNECTED WITH BOTH JOINT AND SPLICE BARS. SEE TYPICAL DETAIL 1/S-601 FOR ADDL INFORMATION.
- AT EACH SPLICE CONNECTION, (4) $\frac{3}{4}$ " Ø BOLTS ARE TO BE USED. CONTRACTOR TO COORDINATE WITH RAIL SUPPLIER FOR APPROPRIATE BOLT GRIP AND NUTS TO BE USED WITH THE BOLTED SPLICE ASSEMBLY
- THE CONTRACTOR IS TO COORDINATE THE PLACEMENT OF THE EXTERIOR RAIL SLAB AND STEEL RAIL WITH THE SDSTA/FFDG PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE THE SDSTA/FFDG A MINIMUM OF 72 HOURS NOTICE BEFORE BEGINNING WORK ON THE EXTERIOR STEEL RAIL.
- BOTH SDSTA AND FFDG HAVE EQUIPMENT AND MATERIALS STOCKPILED/STORED WITHIN THE AREA OF THE NEW EXTERIOR RAIL LINE. THESE ITEMS WILL BE RELOCATED BY THE SDSTA/FFDG PRIOR TO THE START OF CONSTRUCTION OF THE EXTERIOR RAIL.

SHEET LEGEND



CONSULTANT

PROJECT IDEN:

ROSS HEADFRAME
SLAB REPLACEMENT

SANFORD UNDERGROUND
RESEARCH FACILITY
LEAD, SOUTH DAKOTA

ISSUE BLOCK:

[illegible]

MANAGEMENT:

PROJECT NO: 2024-253.1

DRAWN BY: SJK

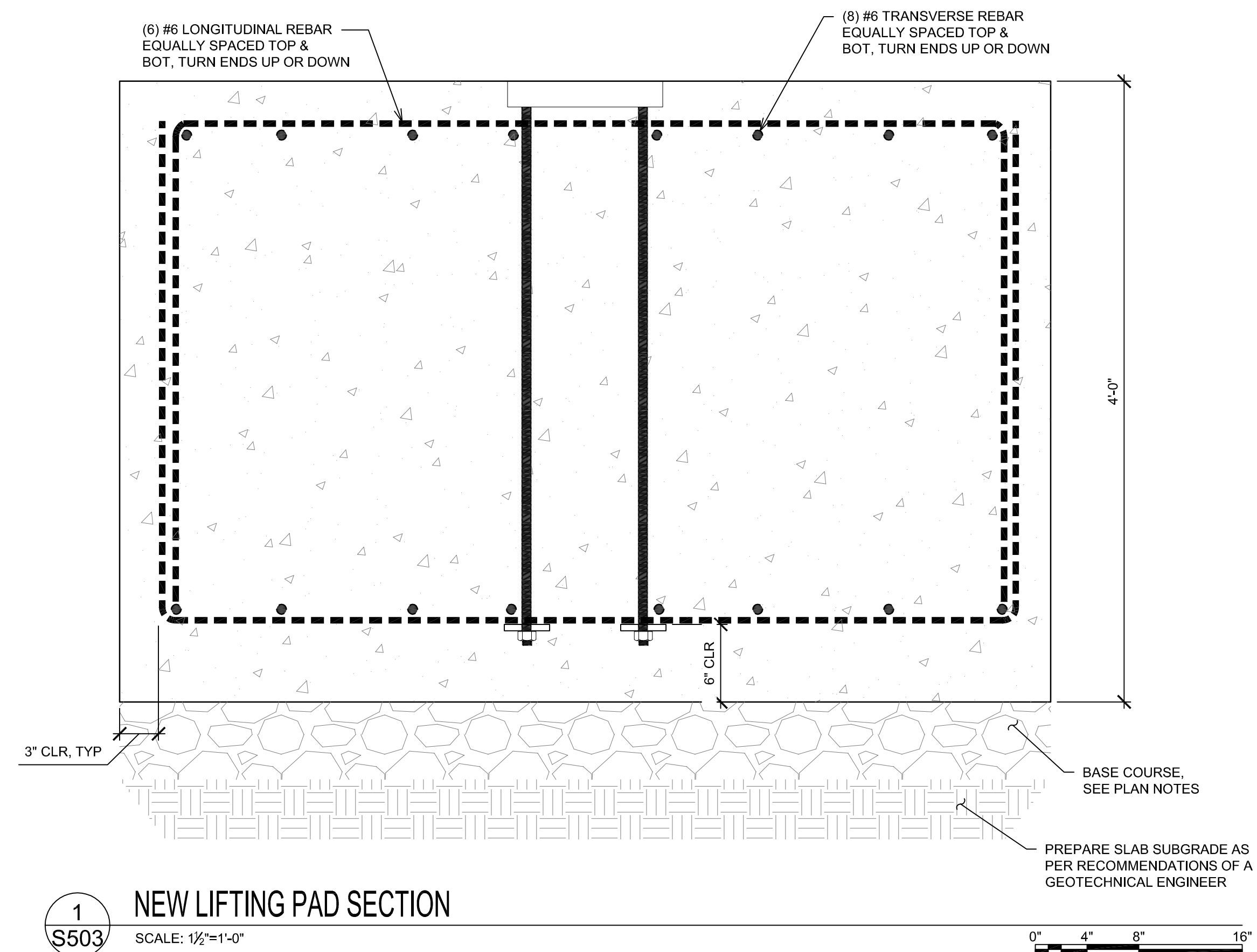
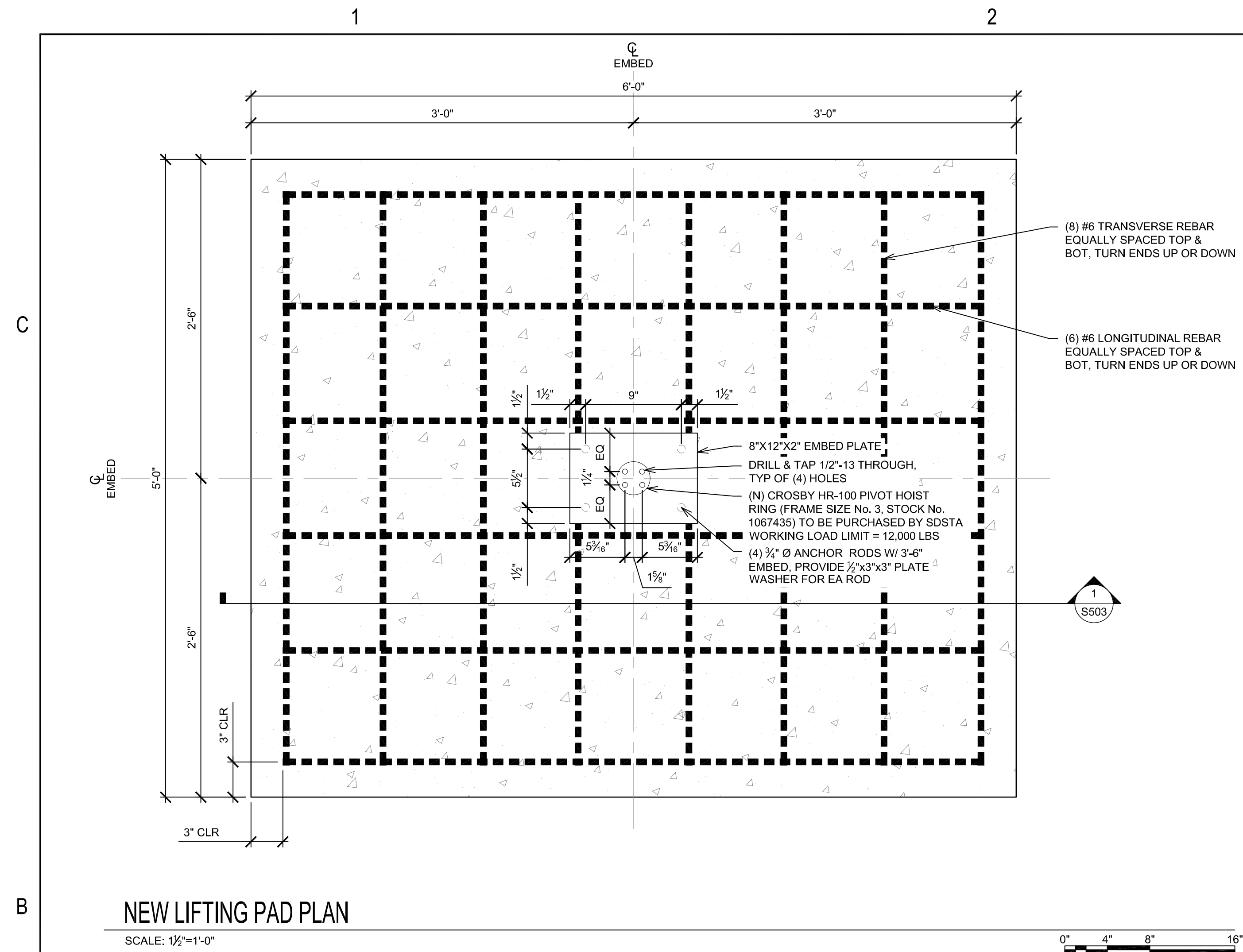
CHECKED BY: SJK

SHEET TITLE:

OVERALL SLAB-ON-
GRADE PLAN WITH
EXTERIOR RAIL
EXTENSION

SHEET IDENTIFICATION:

S103



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202 W. MAIN, SUITE C
RAPID CITY, SD 57702
605.343.9606

CONSULTANT

PROJECT IDEN:

ROSS HEADFRAME
SLAB REPLACEMENT

SANFORD UNDERGROUND
RESEARCH FACILITY
LEAD, SOUTH DAKOTA

ISSUE BLOCK:

[illegible]

MANAGEMENT:

PROJECT NO: 2024-253.1

DRAWN BY: SJK

CHECKED BY: SJK

SHEET TITLE:

LIFTING PAD PLAN & SECTION

SHEET IDENTIFICATION:

S503

