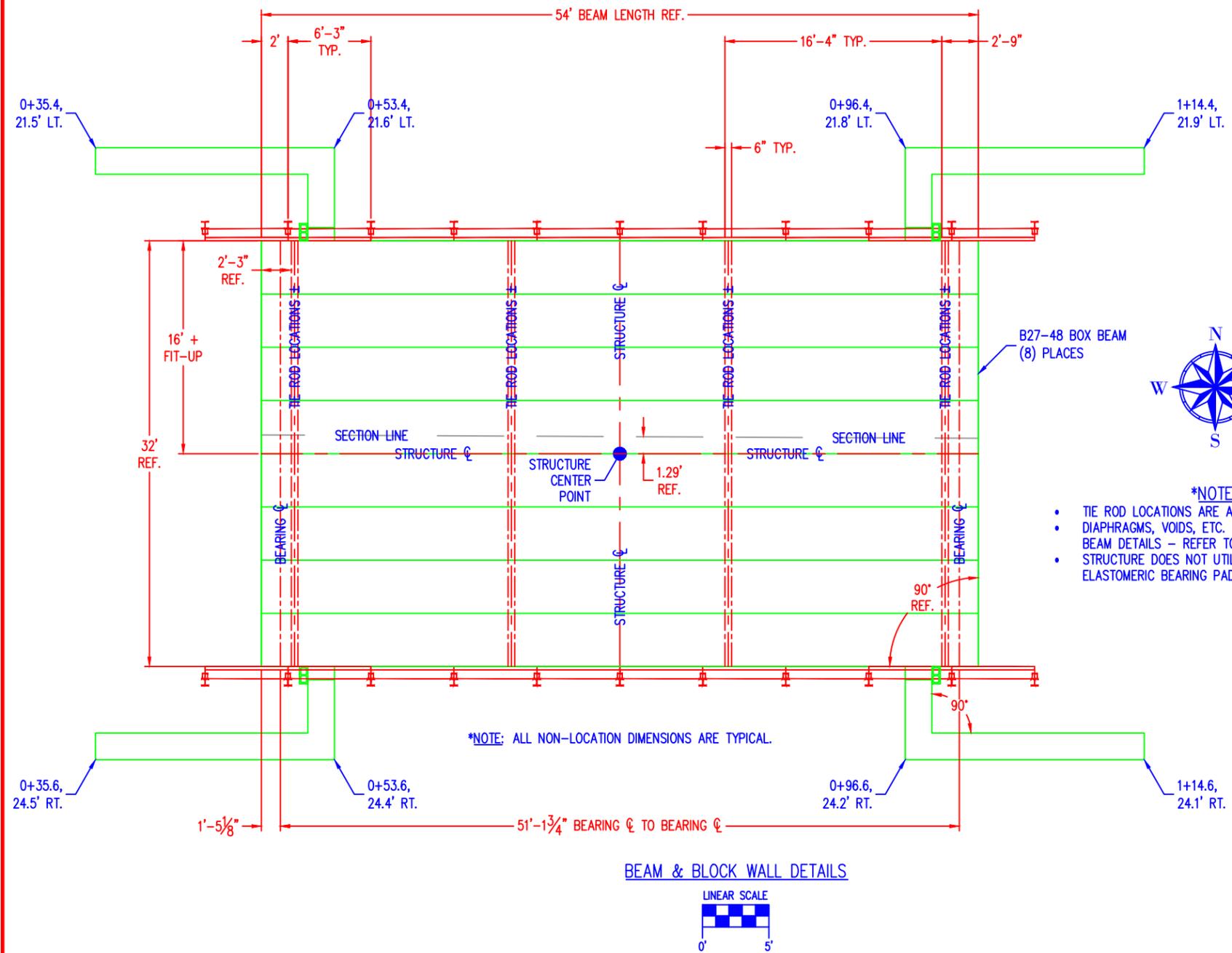


CREW LEADER: NOTE ADDITIONS & CHANGES DURING CONSTRUCTION, AND RETURN TO THE ENGINEER

SIGN TECHNICIAN: PLACE "DO NOT DIG BETWEEN SIGNS" SIGNAGE & BRIDGE END MARKERS

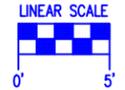
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- *NOTE***
- TIE ROD LOCATIONS ARE APPROXIMATE.
 - DIAPHRAGMS, VOIDS, ETC. ARE NOT SHOWN ON BEAM DETAILS - REFER TO ODOT BOX BEAM DWGS.
 - STRUCTURE DOES NOT UTILIZE DOWELS OR ELASTOMERIC BEARING PADS.

*NOTE: ALL NON-LOCATION DIMENSIONS ARE TYPICAL.

BEAM & BLOCK WALL DETAILS



B27-48 BOX BEAMS
(MUST CONFORM TO ODOT STD. DWG. PSBD-1-25 & PSBDD-1-25)

LIVE LOADING - HL-93
 CONCRETE - MIN. COMPRESSIVE STRENGTH @ 28 DAYS $f_c = 7$ KSI MIN.
 COMPRESSIVE STRENGTH @ TIME OF INITIAL PRESTRESS $f_{ci} = 5$ KSI
 REINFORCING STEEL - GRADE 60; MIN. YIELD STRENGTH = 60 KSI
 PRESTRESSED STEEL - ASTM A416 LOW RELAXATION
 STRANDS, $\phi \frac{1}{2}$ "
 $A_{ps} = 0.167$ SQ. IN. PER STRAND
 $f_{pu} = 270$ KSI
 $E_p = 28,500$ KSI
 RELATIVE HUMIDITY, $H = 70\%$
 INITIAL STRESS $0.75 F_{pu} = 202.5$ KSI
 INITIAL TENSION LOAD = 33.82 KIPS/STRAND

- BARS & STRANDS SHALL BE PLACED AS SHOWN.
- STRANDS SHALL BE DISTRIBUTED SYMMETRICALLY OVER THE BEAM WIDTH.
- OMIT KEYWAYS ON OUTSIDE OF FACIA BEAMS.

BOX BEAM DETAILS
(NOT TO SCALE)

*NOTE: DIMENSIONS ARE TYPICAL

FACIA BEAM SEALING DETAILS
(NOT TO SCALE)

SEAL OUTER FACE & 12" ACROSS BOTTOM OF FACIA BEAMS W/ EPOXY-URETHANE SEALER, AS SHOWN

TYPICAL GROUTING DETAILS
(NOT TO SCALE)

DO NOT PUT GROUT IN THIS AREA. FILL W/ HOT APPLIED JOINT SEALER PER C&MS 705.05.

FILL KEYWAY W/ NON-SHRINK GROUT, AS SHOWN

HENRY COUNTY BRIDGE V-15.45
 LIBERTY TWP. - CO. RD V & TWP. RD. 9C
 BRIDGE REPLACEMENT

NOTE

- REF. ODOT STD. DRAWINGS: DBR-2-73 & DS-1-92
- DIMENSIONS & DETAILS ARE TYPICAL
- TYPE 3 WATERPROOFING MEMBRANE IS 4' ROLLS, LAID ACROSS TOP W/ ~6" OVERLAPS

PAVEMENT & GUARDRAIL DETAILS
(NOT TO SCALE)

BACKFILL RETENTION PLATE DETAILS
(NOT TO SCALE)

NOTE

- $\frac{1}{8}$ " THICK STAINLESS STEEL
- (4) PCS PER SIDE = (8) PCS. TOTAL
- ATTACH TO BACK SIDE OF CONCRETE BLOCKS USING $\frac{1}{2}$ " TAPCON FASTENERS.
- INSTALL ON 0.9" UPWARD ANGLE TO 3" ABOVE BLOCKS @ STRUCTURE CENTER.

DRAWING DETAILS

DRAWN BY: JTH 02/18/26
 DESIGNED BY: JTH 02/04/26
 REVIEWED BY: TJS 02/25/26

REVISION		
DATE	BY	DESCRIPTION

TIMOTHY J. SCHUMM, P.E., P.S.
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