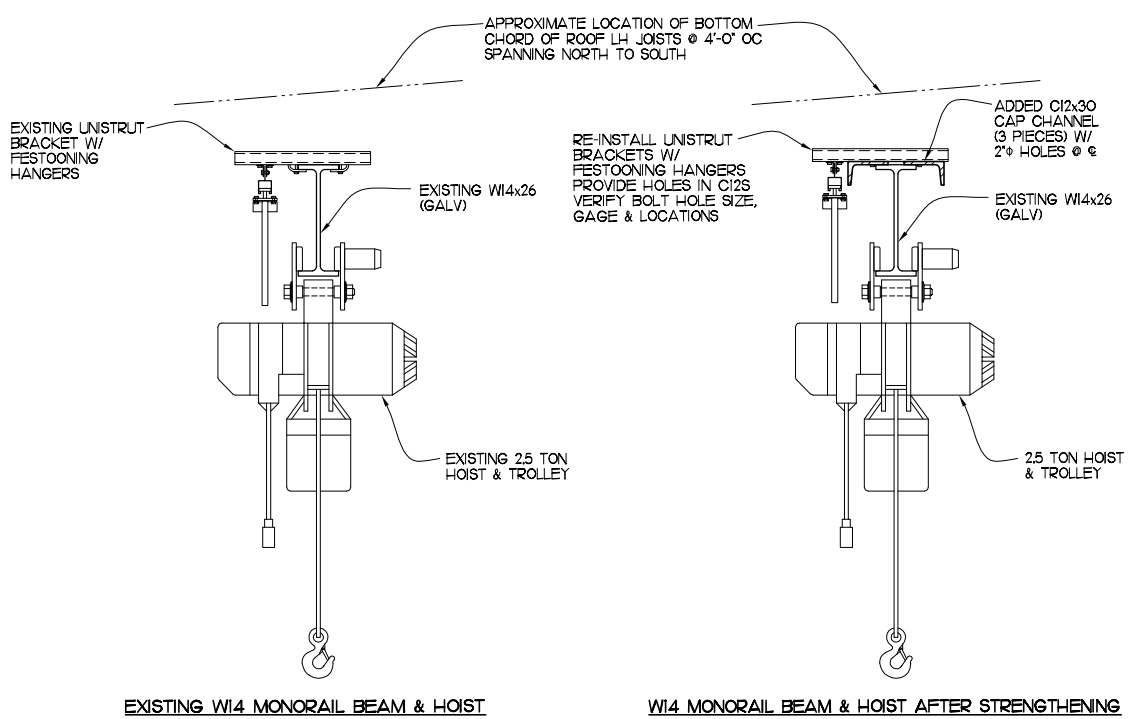


1.1 STRENGTHENING OF EXISTING W14x26 MONORAIL BEAM - 2 TON CAPACITY

LEGEND
 (E) EXISTING
 ⊕ T.O.B. TOP OF BEAM ELEVATION

NOTES
STRUCTURAL AND MISCELLANEOUS STEEL
 L Shapes, plates and bars: ASTM A36, Fy = 36 KSI
 C Shapes: ASTM A572, Fy = 50 KSI
 Bolts: ASTM A307 machine bolts (MB).
 Threaded rod: ASTM A36, Fy = 36 KSI.
 Welding electrodes or wires: AWS A5.1 or A5.5, E70XX; AWS A5.18, E70S-X; AWS A5.20, E7XT-X.
 Welding shall conform to AWS D1.1 "Standard Welding Code - Steel". All welding shall be performed by AWS/WABO Certified Welders whose certification meets "AWS Standards" where Special Inspection is provided.

- SEQUENCE OF CONSTRUCTION**
1. FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS
 2. FABRICATE ADDED C12x30 IN 3 PIECES W/ 45° BEVELED EDGES AT BUTT SPLICES BACKUP BAR 1/4" ON OUTSIDE C12S (FLANGES & PORTION OF WEB EACH SIDE OF (E)W14)
 3. PRIME PAINT C12 CHANNELS GRAY
 4. PROVIDE PROTECTION FOR EXISTING TANK AND ANY OTHER AFFECTED FIXTURES OR EQUIPMENT
 5. REMOVE EXISTING FESTOONING & SUPPORT BRACKETS
 6. FIELD VERIFY LEVELNESS OF EXISTING W14x26 IF EXISTING W14 SAGS MORE THAN 3/8" AT MID-SPAN, PROVIDE SHORING AND LIFT W14 TO APPROXIMATELY LEVEL POSITION
 7. GRIND AND/OR WIRE BRUSH TOP OF EXISTING W14 TO REMOVE EXISTING GALVANIZING AS REQUIRED AT LOCATIONS OF NEW WELDING (MIN 1" BEYOND EXTENTS OF NEW WELDS)
 8. INSTALL C12S ON TOP OF EXISTING W14 BEAM. BUTT SPLICES TIGHT AND CLAMP IN PLACE
 9. WELD C12S TO EXISTING W14 TOP FLANGE THROUGH 2" HOLES AS SHOWN
 10. WELD BUTT SPLICES AS SHOWN
 11. REMOVE SHORING IF REQUIRED
 12. CLEAN AS REQUIRED & TOUCH UP WELDS W/ PRIME PAINT
 13. RE-INSTALL SUPPORT BRACKETS AND FESTOONING
 14. PAINT "2.5 TON CAPACITY" ON EACH SIDE OF BEAM



2.1 LEGEND & NOTES

2.1 SEQUENCE OF CONSTRUCTION

2.2 STRENGTHENING OF EXISTING W14 MONORAIL BEAM

	523 East Third Ave Spokane, WA 99202 509.323.9292 Fax 509.747.7115		<p style="text-align: center; font-size: 24px; font-weight: bold;">ISSUED FOR CONSTRUCTION</p>	JOB NUMBER: 20013 DATE: 1-31-23	<p style="font-size: 18px; font-weight: bold;">SNOQUALMIE PASS UTILITY DISTRICT PHASE 1 MEMBRANE BIOREATOR WASTEWATER TREATMENT PLANT IMPROVEMENTS</p>	<p style="font-size: 18px; font-weight: bold;">EXISTING MONORAIL BEAM STRENGTHENING</p>	<p style="font-size: 24px; font-weight: bold;">R1</p>
				PLAN: FILE NAMES: PROFILE: DRAWING: DESIGNED BY: JDS ENTERED BY: JDS			