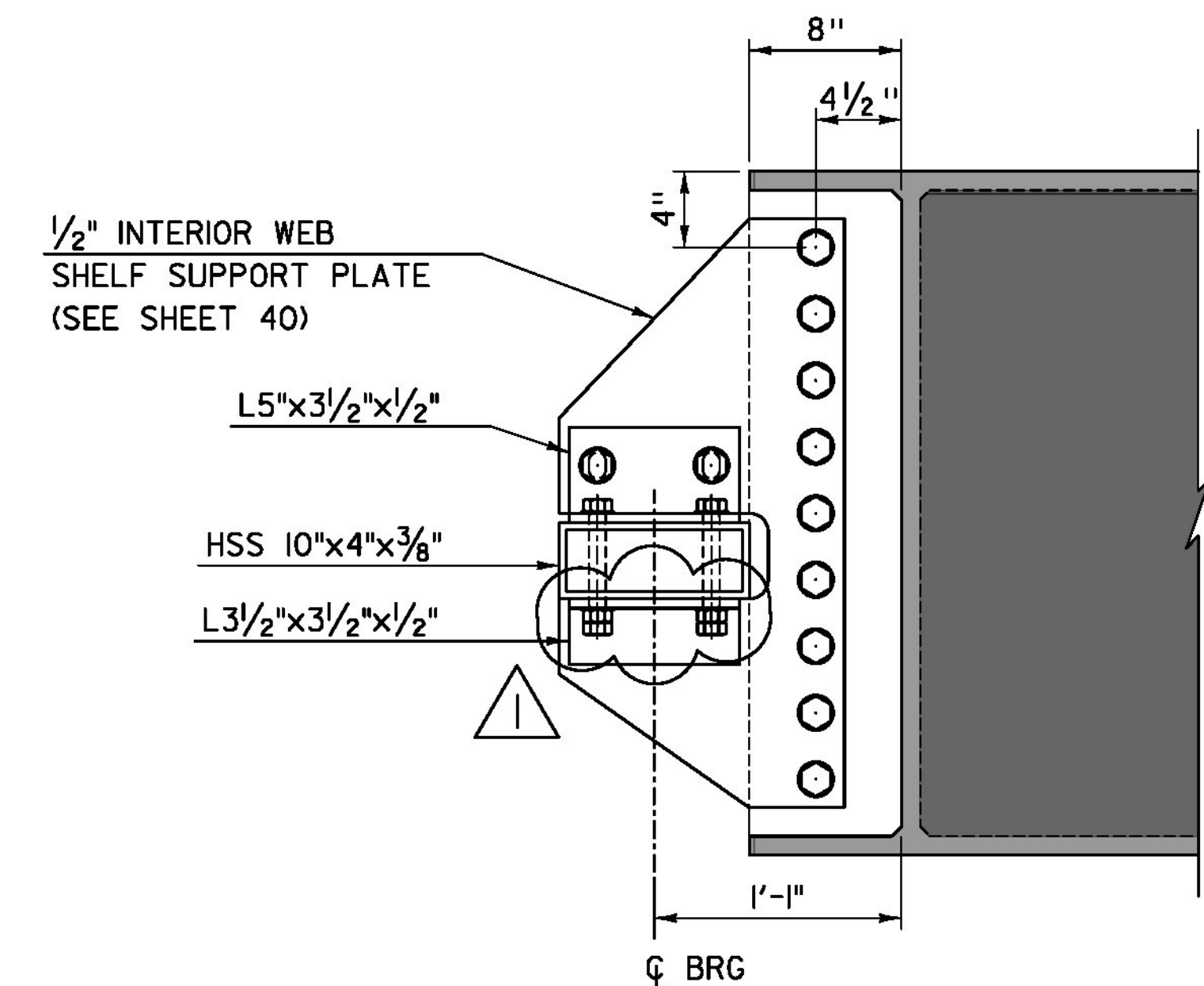
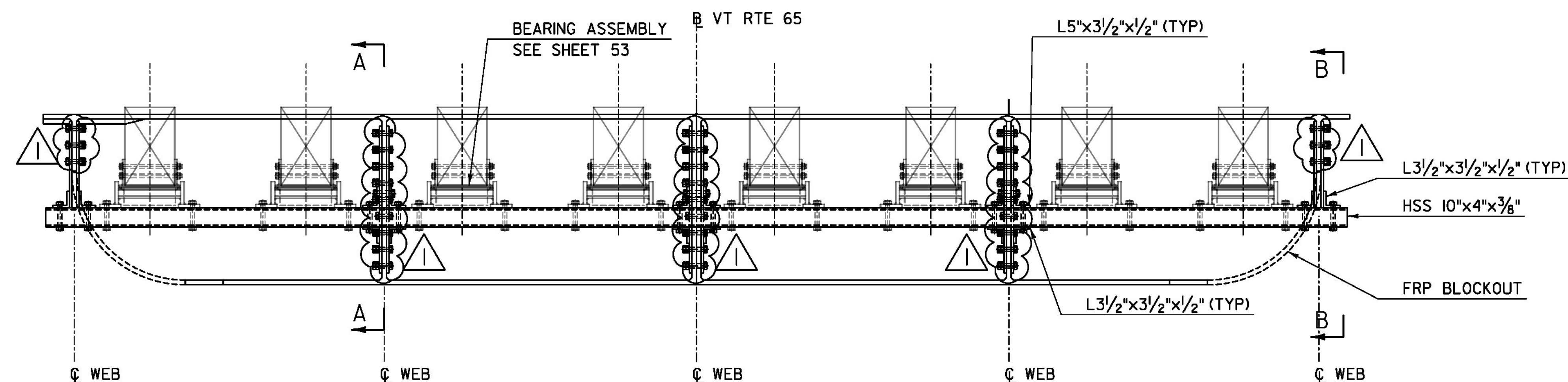


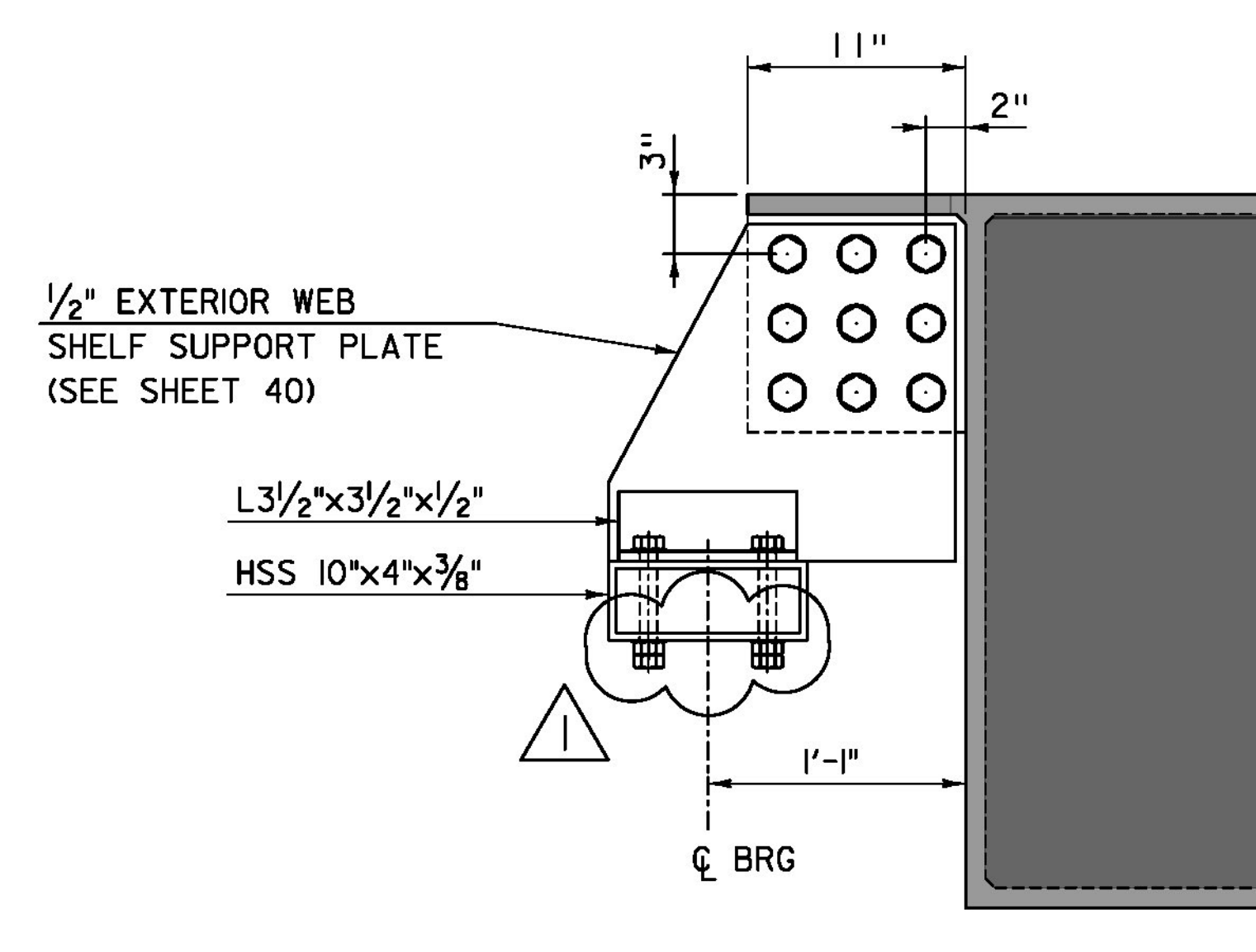
SHELF ASSEMBLY - PLAN
SCALE: 3/4" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"



SHELF ASSEMBLY - ELEVATION
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"

SHELF NOTES:

1. PLATE CONNECTIONS TO FRP SHALL BE DESIGNED AS BEARING CONNECTIONS; SLIP CRITICAL (FRICTION BASED) CONNECTION DESIGN IS NOT ALLOWED.
2. ALL BOLTS SHALL BE 7/8" DIA, IN 15/16" DIA HOLES, UNLESS NOTED OTHERWISE.
3. THE FACTORED PIN BEARING FORCE ACTING ON THE FRP PLATES IS 14.8 KIPS PER BOLT. THIS FORCE SHALL BE TAKEN TO ACT IN ANY DIRECTION RADIAL TO THE BOLT LONGITUDINAL AXIS.
4. FRP WEB EXTENSIONS SHALL BE DESIGNED TO RESIST A FACTORED FORCE OF 20.2 KIPS, TOTAL, ACTING TRANSVERSELY TO THE BRIDGE ALONG THE CENTERLINE OF SHELF.
5. BOLT HOLE LOCATIONS IN HSS SHELF AND SHIM PLATE THICKNESS BETWEEN INTERIOR WEB SHELF SUPPORT PLATES IS DEPENDENT ON FABRICATOR - SELECTED FRP PLATE THICKNESSES.

REVISION	DESCRIPTION	DATE
REVISION #1	ADDED DOUBLE NUT	2/4/2014

PROJECT NAME: BROOKFIELD
PROJECT NUMBER: BRF FLBR(2)

TYL INTERNATIONAL	FILE NAME: z12e134bdr-frpshelf1.dgn	PLOT DATE: 2/5/2014
	PROJECT LEADER: J. OLUND	DRAWN BY: S. MORGAN
	DESIGNED BY: D. MYERS	CHECKED BY: J. OLUND
	RAMP-RAFT STAINLESS STEEL SHELF I	SHEET 39 OF 70