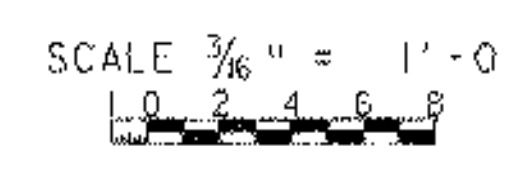


TRUSS MEMBER REPLACEMENT CHART

-----	MEMBERS TO BE REPLACED IN KIND WITH GRADE 50 STEEL ALL ANGLES SHALL BE CHARPY V-NOTCH TESTED - 18,31 ARE TWO 3" X 2 1/2" X 1/4" ANGLES - 20,29 ARE TWO 3" X 2 1/2" X 1/4" ANGLES
—————	MEMBERS TO BE REPLACED IN KIND WITH GRADE 50 STEEL IF MORE THAN 25% SECTION LOSS
- - - - -	MEMBERS TO BE REPLACED IN KIND WITH GRADE 50 STEEL ON THE UPSTREAM SIDE ONLY: ALL ANGLES SHALL BE CHARPY V-NOTCH TESTED - 17 IS TWO 3 1/2" X 2 1/2" X 1/4" ANGLES - 7,14 ARE FOUR 3" X 2 1/2" X 1/4" ANGLES - 25 IS TWO 2 1/2" X 2 1/2" X 1/4" ANGLES

TRUSS ELEVATION (TYP) (LOOKING WEST)

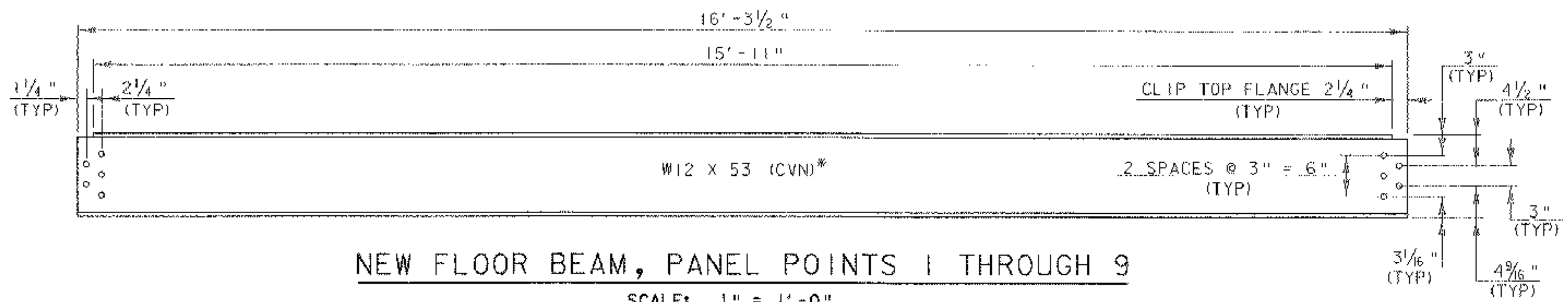


10, 11 ARE FOUR 3 1/2" X 3" X 1/4" ANGLES
7 IS FOUR 3" X 2 1/2" X 1/4" ANGLE

12 IS FOUR 3 1/2" X 3" X 1/4" ANGLES
(2 OF 4 REPLACED)

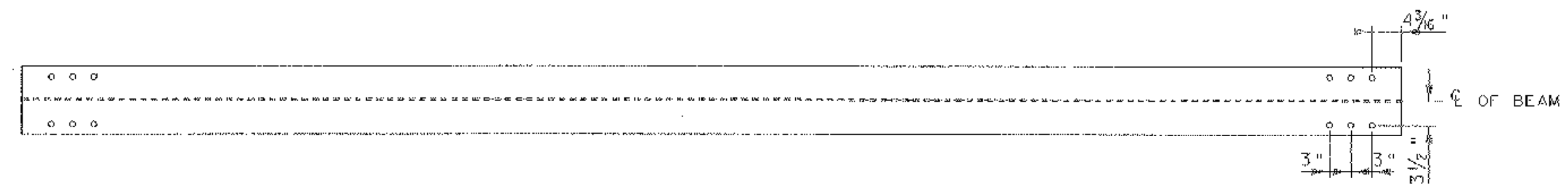
TRUSS NOTES

1. TRUSS MEMBERS SHALL BE REPLACED ACCORDING TO THE REPLACEMENT CHART.
2. ALL GUSSET PLATES SHALL BE REPLACED WITH 1/4" THICK GRADE 50 STEEL.
3. ANY RIVETS THAT ARE REMOVED FOR REPAIRS DETAILED ON THE PLANS OR AS ORDERED BY THE RESIDENT ENGINEER SHALL BE REPLACED WITH 3/4" DIAMETER, M-164, TYPE 1 BOLTS. THE CONTRACTOR SHALL VERIFY HOLE SIZE AND HOLE SPACING AS WELL AS GUSSET DIMENSIONS AT ALL LOCATIONS. HOLES FOR THE GUSSET PLATES MAY BE FIELD DRILLED.
4. HOLES IN THE EXISTING GUSSET PLATES FOR THE EXISTING RAIL SUPPORT SHALL BE OMITTED IN THE NEW GUSSET PLATES. THE EXISTING RAILING SHALL BE ATTACHED TO A NEW BOX BEAM RAIL.
5. WHEN EXISTING STEEL SIZES ARE NOT AVAILABLE, AN EQUIVALENT SIZE MAY BE SUBSTITUTED WITH APPROVAL OF THE PROJECT MANAGER.
6. THE EXISTING FLOORING SYSTEM INCLUDING TIMBER DECKING, STEEL STRINGERS, AND CHANNELS SHALL BE REMOVED AND REPLACED WITH GULAM DECK PANELS. SEE DECK DETAIL SHEETS 13 AND 14.
7. EXISTING FLOOR BEAMS ARE CURRENTLY HANGING BELOW THE TRUSS BOTTOM CHORDS. THE NEW FLOOR BEAMS AND LATERAL BRACING SHALL BE NESTED BETWEEN THE BOTTOM CHORDS. ONE FLOOR BEAM SHALL BE ADDED TO THE EXISTING FRAMING PLAN AT \bar{C} BEARING AT EACH END OF THE TRUSS. SEE FLOOR BEAM CONNECTION DETAILS ON SHEETS 18 AND 19.
8. THE ROUND HEAD END OF THE BOLTS SHALL BE VISIBLE FROM THE EXTERIOR SIDE OF THE TRUSS.
9. THE CONTRACTOR SHALL INSTALL THE FLOOR BEAMS SO THAT ANY SHOP CAMBER WILL BE POSITIVE.



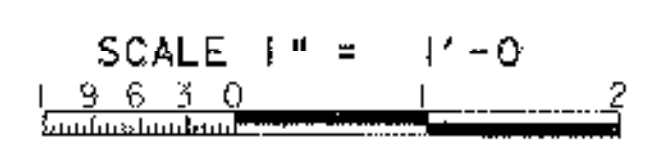
NEW FLOOR BEAM, PANEL POINTS 1 THROUGH 9

SCALE: 1" = 1'-0"
* FLOOR BEAMS SHALL BE CHARPY V-NOTCH TESTED



BOTTOM FLANGE OF FLOOR BEAM

SCALE: 1" = 1'-0"
(7 REQUIRED AS SHOWN, 2 REQUIRED WITH HOLES ALONG ONE SIDE OF \bar{C} OF BEAM ONLY)



PROJECT: NEW HAVEN - WEYBRIDGE	PROJECT NO. # BHO-BTN 2005 (1)
DESIGN FILE NAME: 89j081/structures/sj081truss.dgn	PLOT DATE: 28-FEB-2007
IPARM FILE NAME: sj081trussd1.l	DRAWN BY: R. S. YOUNG
DESIGNED BY: R. S. YOUNG	CHECKED BY: R. S. YOUNG
SQUAD LEADER: C. P. WILLIAMS	TRUSS DETAILS
	SHEET: 15 OF 53