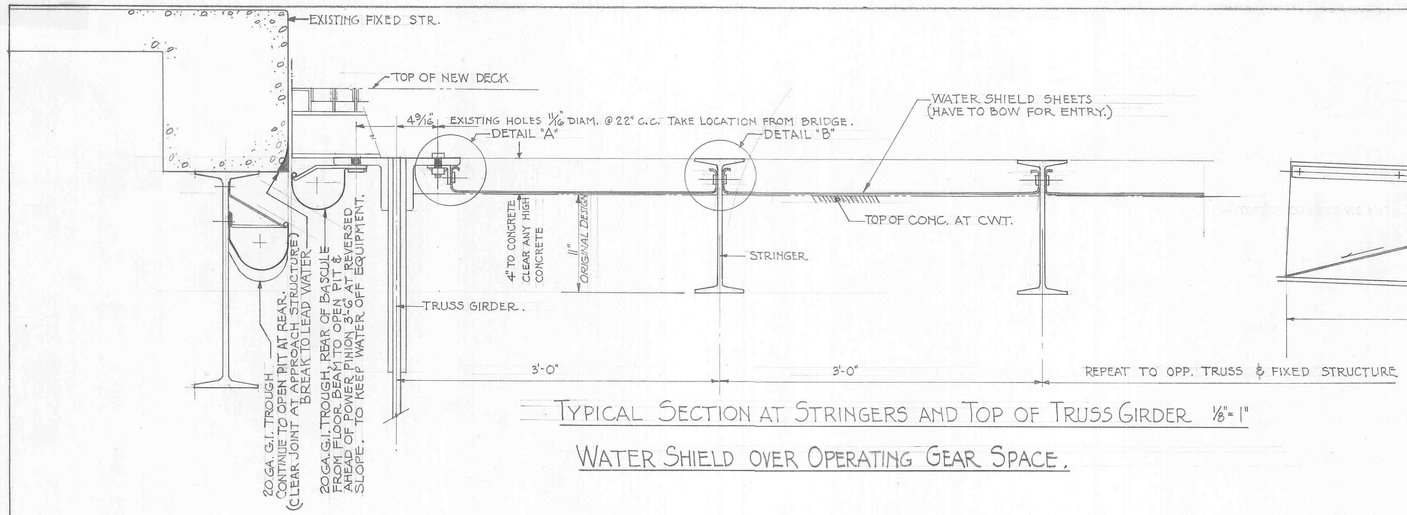
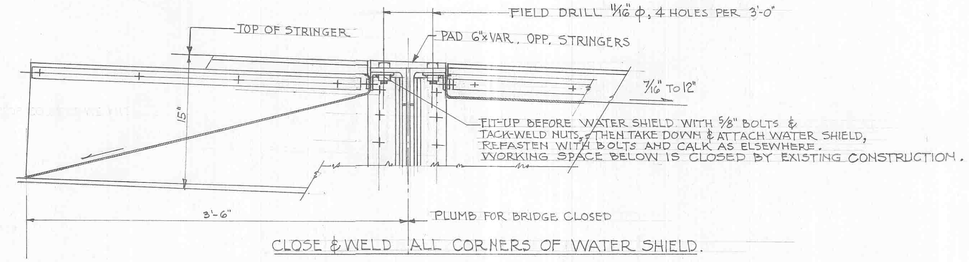


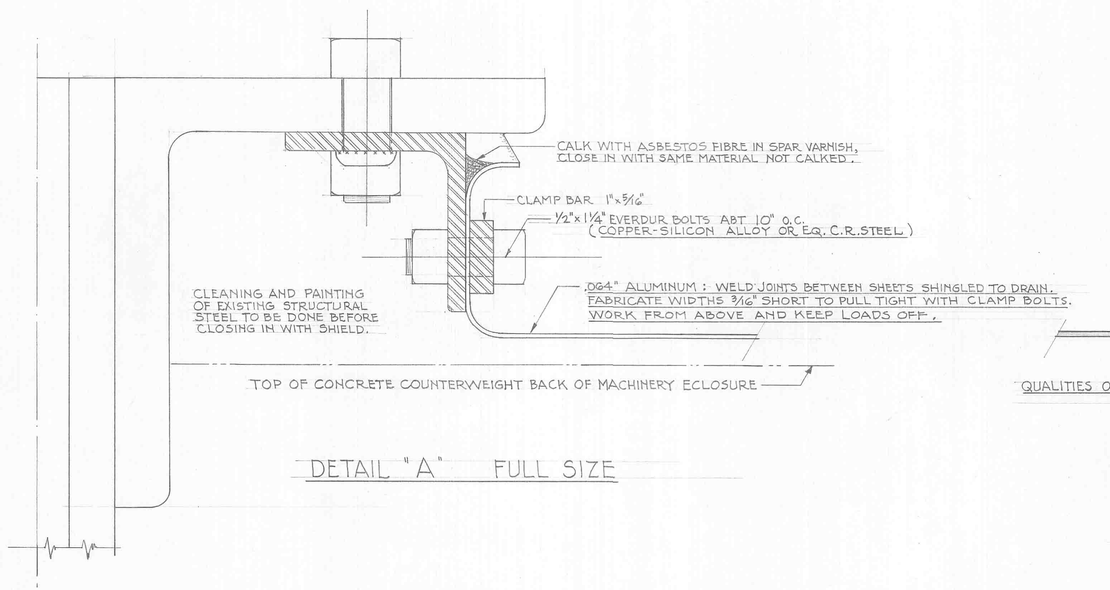
TYPICAL SECTION AT STRINGERS AND TOP OF TRUSS GIRDER 1/8" = 1"

WATER SHIELD OVER OPERATING GEAR SPACE.



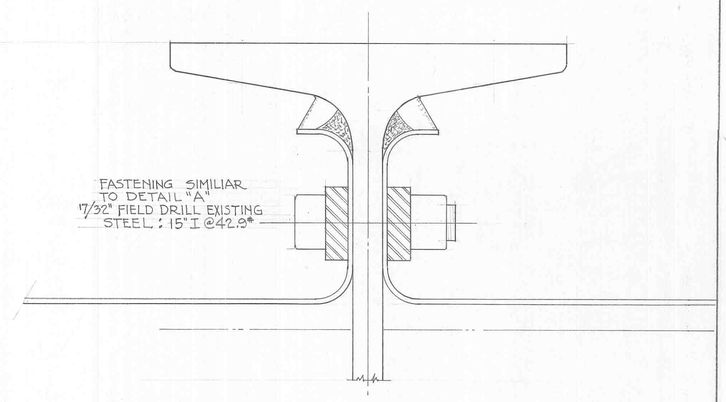
CLOSE & WELD ALL CORNERS OF WATER SHIELD.

SECTION AT FLOOR BEAM (OVER POWER PINION) 1/8" = 1"

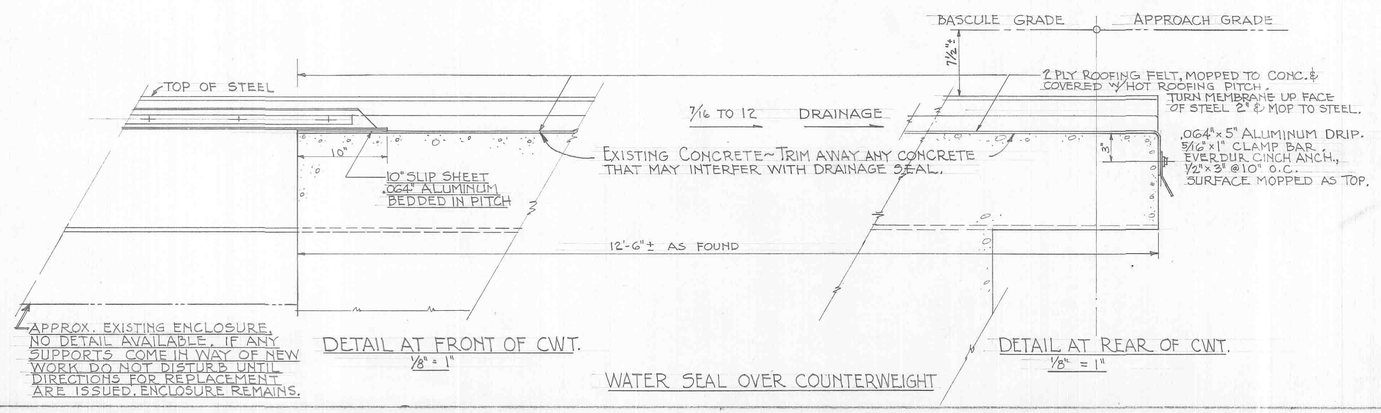


DETAIL "A" FULL SIZE

QUALITIES OF ALUMINUM: DUCTILITY W/O FRACTURE OR CHRYSTALIZING. COROSION RESISTANCE FOR LONG SERVICE: SOFT PURE ALUMINUM PREFERABLE, WITH MINOR ALLOY NOT TO INTERFER WITH WELDABILITY.



DETAIL "B" FULL SIZE



DETAIL AT FRONT OF CWT. 1/8" = 1"

DETAIL AT REAR OF CWT. 1/8" = 1"

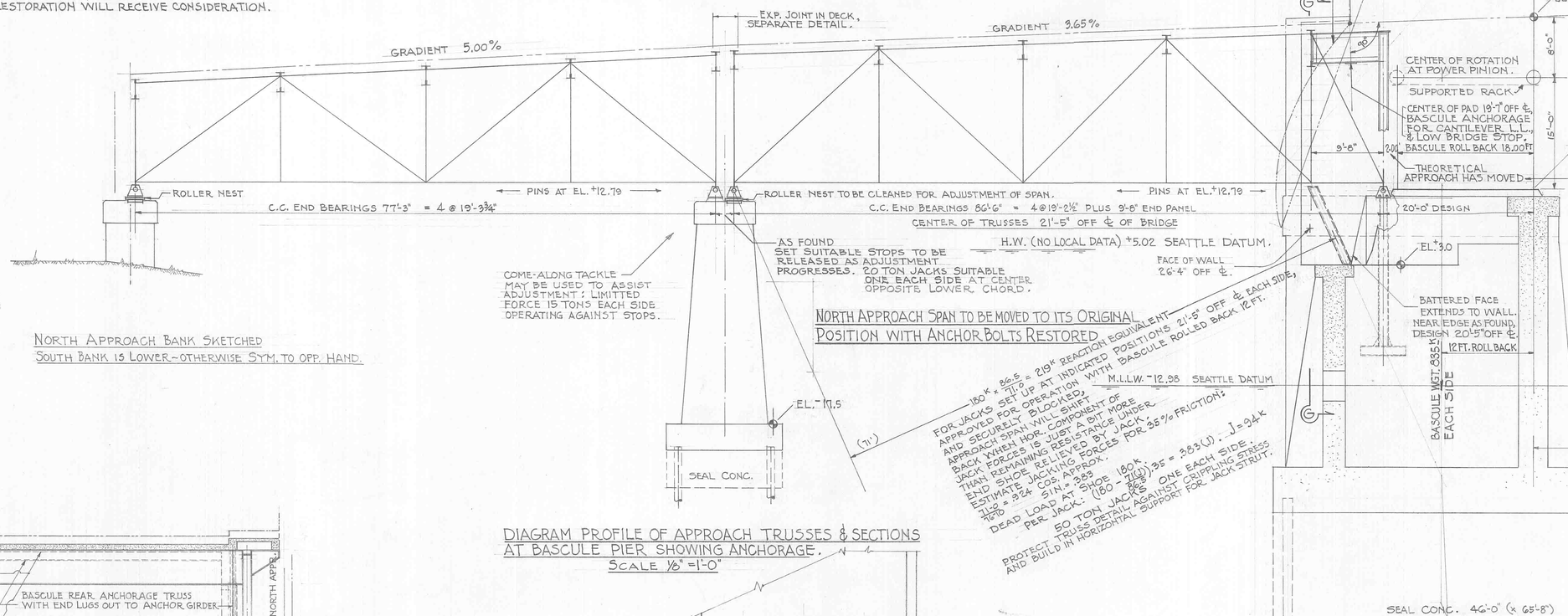
WATER SEAL OVER COUNTERWEIGHT

ADOPTED BY THE BOARD OF KING COUNTY COMMISSIONERS
SEATTLE, WASHINGTON, 19__
ATTEST: DEPUTY CLERK — CHAIRMAN

KING COUNTY ENGINEERING DEPARTMENT
D.L. EVANS, COUNTY ROAD ENGINEER
14TH AVE SO. BASCULE BR. AT DUWAMISH W. WAY.
STEEL GRATING DECK OF BASCULE SPANS.
DETAILS OF WATER SHIELD OVER GEAR SPACE.
SURVEY No. ..... C. R. P. No. .....
SHEET 4 OF 9 SHEETS
~~SCALE: HOR. INCH = 100 FT.~~ ~~VER. INCH = 10 FT.~~
COMMISSIONER'S DISTRICT NO. 2
APPROVED BY ..... COUNTY ROAD ENGINEER
D. L. EVANS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

(10703) 67-53-C

NOTE: THIS DRAWING INDICATES FEATURES OF THE WORK OF ADJUSTING THE NORTH APPROACH SPAN NEXT TO THE BASCULE LEAF BACK TO POSITION SO THAT FIXED SHOE OF TRUSSES WILL BE DIRECTLY OVER ORIGINAL ANCHOR BOLTS, AND THE RESTORATION OF ANCHOR BOLTS.
THE WORK WILL IMPROVE THE FOULED CLEARANCE OF THE MOVABLE STRUCTURE AT ITS REAR FLOOR BREAK CASTINGS DURING HOT WEATHER.
THIS WORK TO BE DONE BEFORE MATING DECK GRADE WITH NEW BASCULE DECK.
AN ALTERNATIVE FIXED SHOE ANCHORAGE DETAIL EQUIVALENT TO OR BETTER THAN INDICATED ANCHOR BOLT RESTORATION WILL RECEIVE CONSIDERATION.

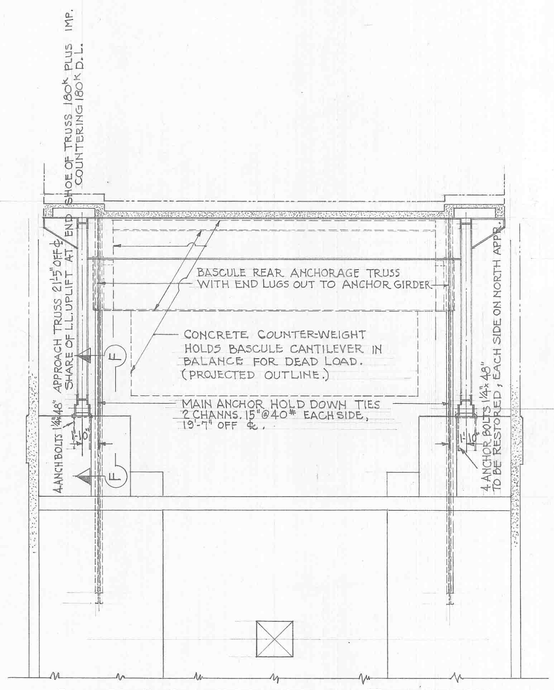


NORTH APPROACH BANK SKETCHED
SOUTH BANK IS LOWER - OTHERWISE SYM. TO OPP. HAND.

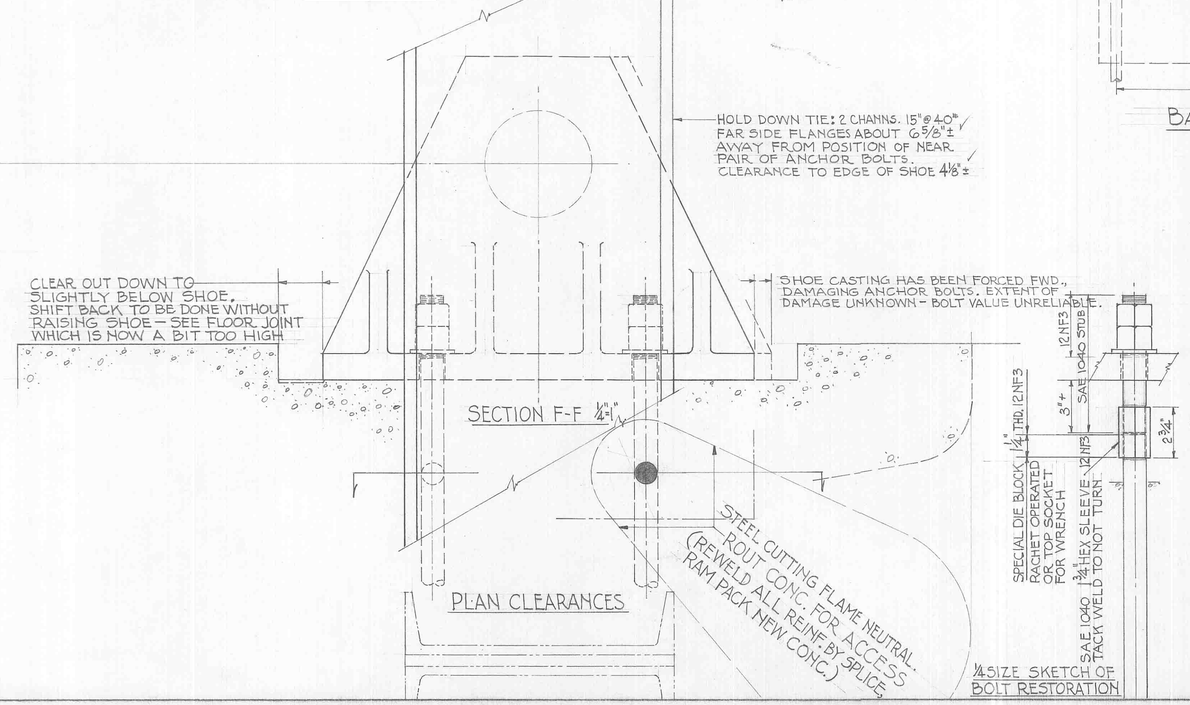
NORTH APPROACH SPAN TO BE MOVED TO ITS ORIGINAL POSITION WITH ANCHOR BOLTS RESTORED

BASCULE PIER - ℄ SECTION

DIAGRAM PROFILE OF APPROACH TRUSSES & SECTIONS AT BASCULE PIER SHOWING ANCHORAGE.
SCALE 1/8" = 1'-0"



SECTION G-G SHOWING APPROACH TRUSSES 1/8" = 1'-0"



¼ SIZE SKETCH OF BOLT RESTORATION

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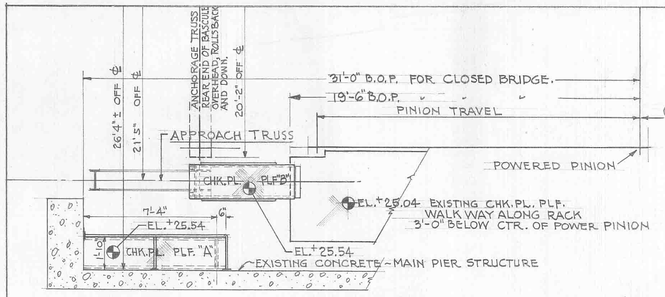
SEATTLE, WASHINGTON, _____ 19__
ATTEST: _____ DEPUTY CLERK
_____ CHAIRMAN

KING COUNTY ENGINEERING DEPARTMENT
D. L. EVANS, COUNTY ROAD ENGINEER
14TH AVE. SO. BASCULE BR. AT DUWAMISH W. WAY.
NORTH APPROACH SPAN ADJUSTMENT AND BASCULE ANCHORAGE RESTORATION.
SURVEY No. _____ C. R. P. No. _____
SHEET 5 OF 9 SHEETS
~~SCALE: HOR. INCH = 100 FT.~~ ~~VER. INCH = 10 FT.~~
COMMISSIONER'S DISTRICT NO. 2
APPROVED BY _____ COUNTY ROAD ENGINEER
D. L. EVANS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

(10702) 67-53-D

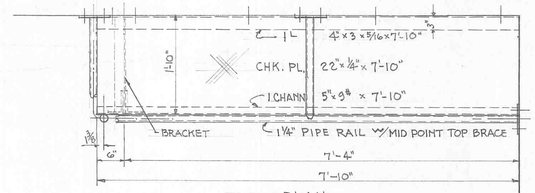


PLAN SHOWN AT NORTHWEST CORNER.

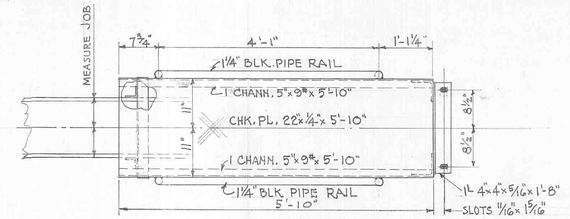
PLATFORM "A" FOR ACCESS TO CONDUIT PULL BOX FOR WIRING. 2 REQ'D.

PLATFORM "B" FOR ACCESS TO BASCULE REAR ANCHOR SHIMS & LIMIT SWITCH. 4 REQ'D.

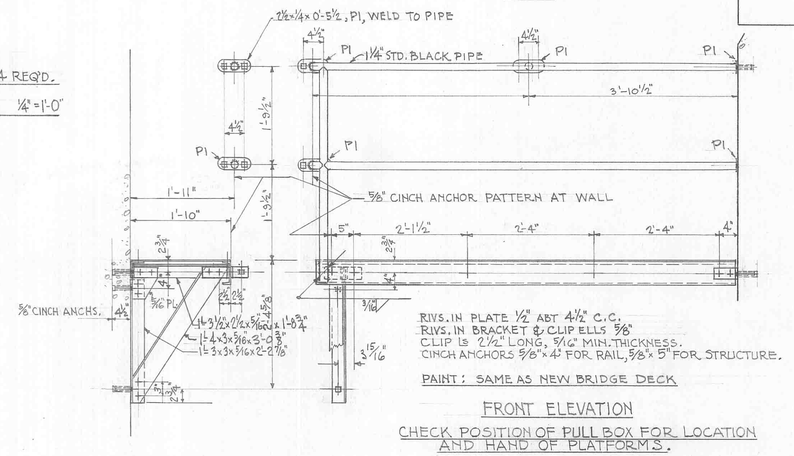
LOCATION OF ACCESS PLATFORMS "A" AND "B" 1/4"=1'-0"



PLAN



PLAN

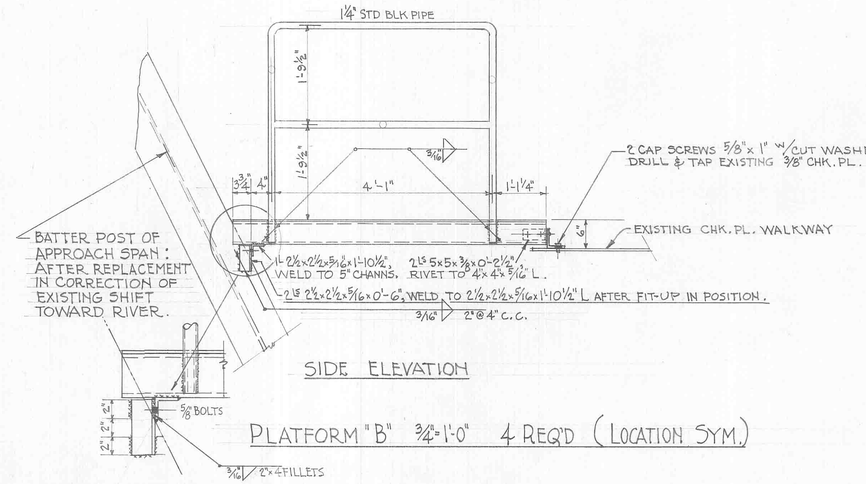


PAINT: SAME AS NEW BRIDGE DECK

FRONT ELEVATION

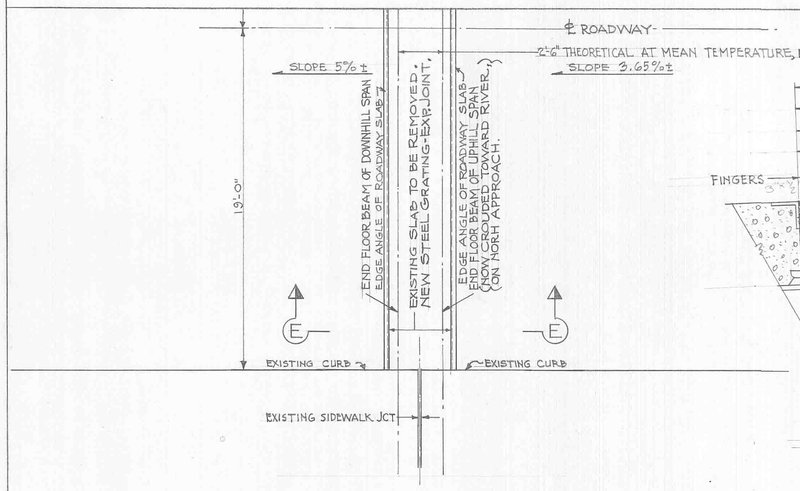
CHECK POSITION OF PULL BOX FOR LOCATION AND HAND OF PLATFORMS.

PLATFORM "A" 3/4"=1'-0" 2 REQ'D.



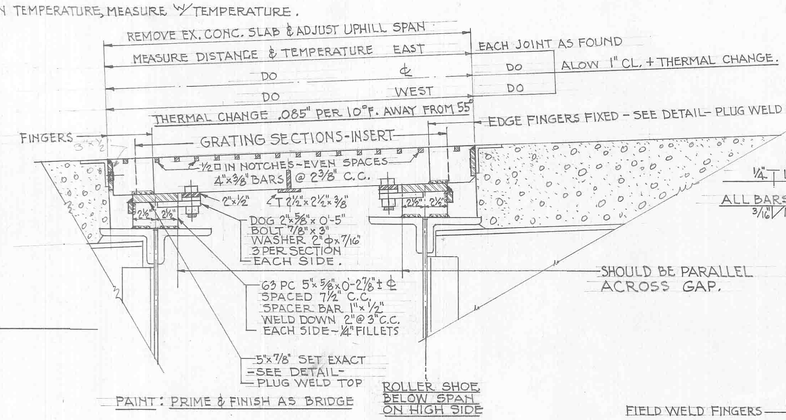
SIDE ELEVATION

PLATFORM "B" 3/4"=1'-0" 4 REQ'D (LOCATION SYM.)



(SIMILIAR FOR EACH APPOACH)

HALF PLAN VIEW OF EXISTING FLOOR JOINT AT JUNCTION OF APPROACH SPANS. 1/4"=1'-0"



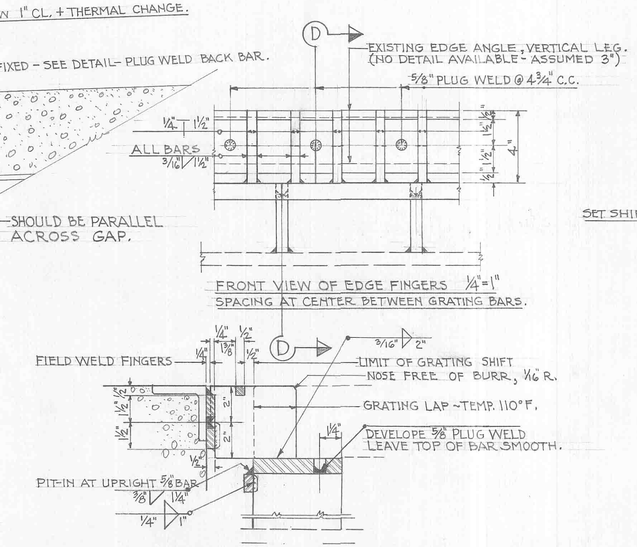
PAINT: PRIME & FINISH AS BRIDGE

SECTION E-E 1/8"=1"

BOLSTERS CONTINUOUS (MAY WELD) PARALLEL TO SURFACE (TOLERANCE ± 1/16").

GRATINGS IN 4 SECTIONS ALIKE ~ REMOVEABLE.
SIDE STOPS PROVIDED FOR WELD TO BOLSTERS.
SUBMIT DETAIL WITH BASIC MEASUREMENTS.

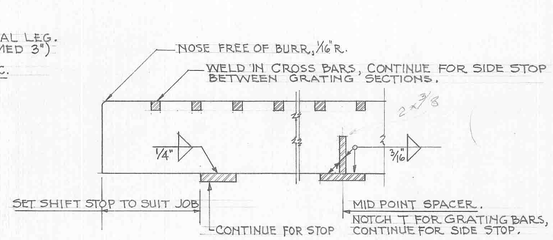
STEEL SUBJECT TO TRAFFIC ABRASION TO HAVE ABOUT .24% CARBON, OTHERWISE SAME AS MILD OR MEDIUM STRUCTURAL STEEL FOR BALANCE OF WORK.
WELD RODS & WELDING PRACTICE BEST AVAILABLE.



FRONT VIEW OF EDGE FINGERS 1/4"=1"
SPACING AT CENTER BETWEEN GRATING BARS.

FINGER BARS 4"×1/2", BACK TENON 1/4" FOR TOP 1 15/16".
BACK BAR 3"×1/2" NOTCHED FOR TENONS, SHOP WELD FINGERS

SECTION D-D 1/4"=1"



EXPANSION JOINT GRATING DETAIL, 1/4"=1".

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SEATTLE, WASHINGTON, _____ 19__
ATTEST: CHAIRMAN
DEPUTY CLERK

KING COUNTY ENGINEERING DEPARTMENT
D.L. EVANS, COUNTY ROAD ENGINEER.
14TH AVE. S.O. BASCULE BR. AT DUWAMISH W. WAY
ACCESS PLATFORMS AT BASCULE PIERS.
ROADWAY EXPANSION J.T. BETW. APPROACH SPANS
SURVEY No. _____ C. R. P. No. _____
SHEET 6 OF 9 SHEETS
SCALE: HOR. INCH = 100 FT. VER. INCH = 10 FT.
COMMISSIONER'S DISTRICT NO. 2
APPROVED BY _____ COUNTY ROAD ENGINEER
D.L. EVANS STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

(10701) 67-53-E