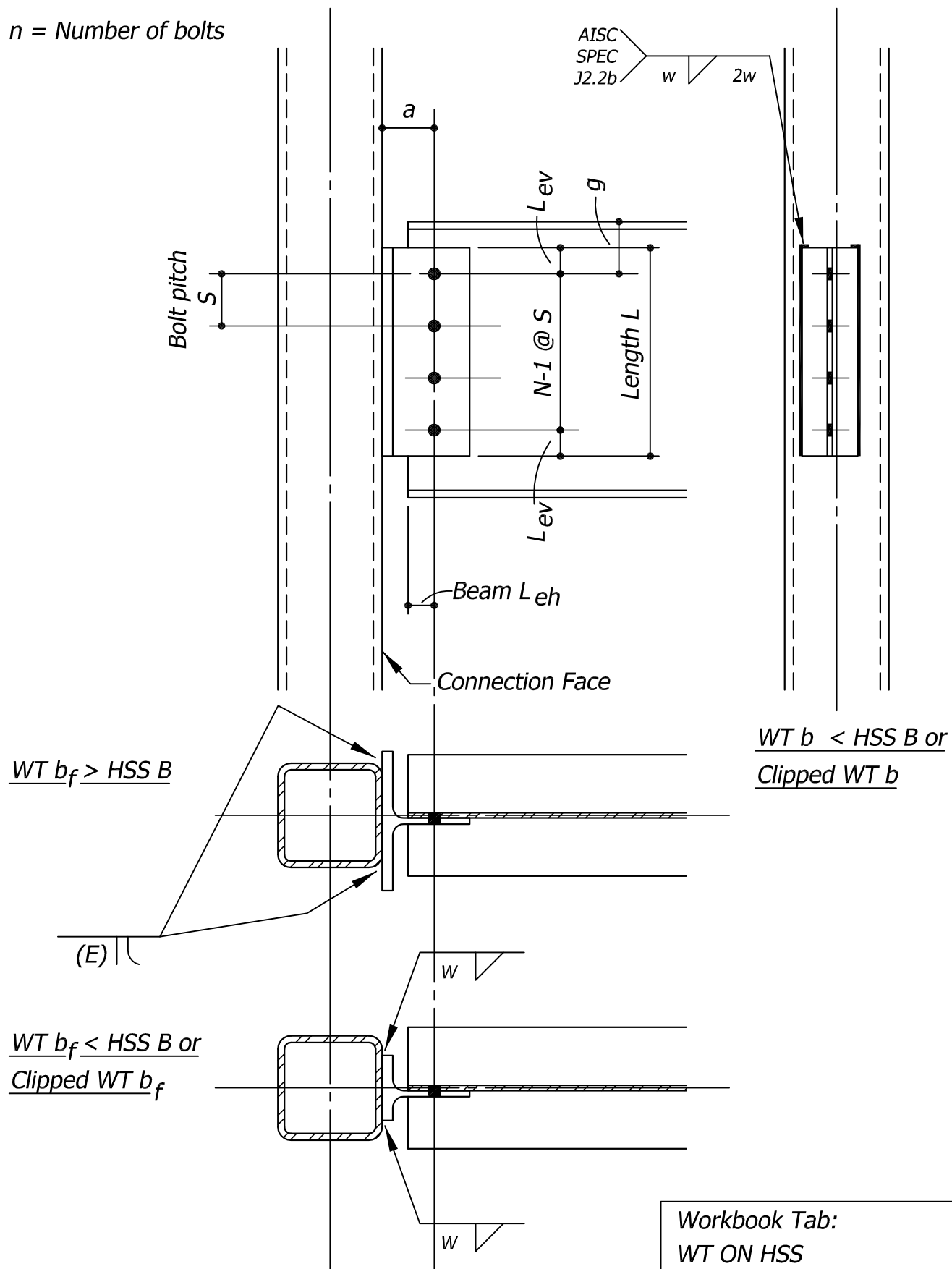
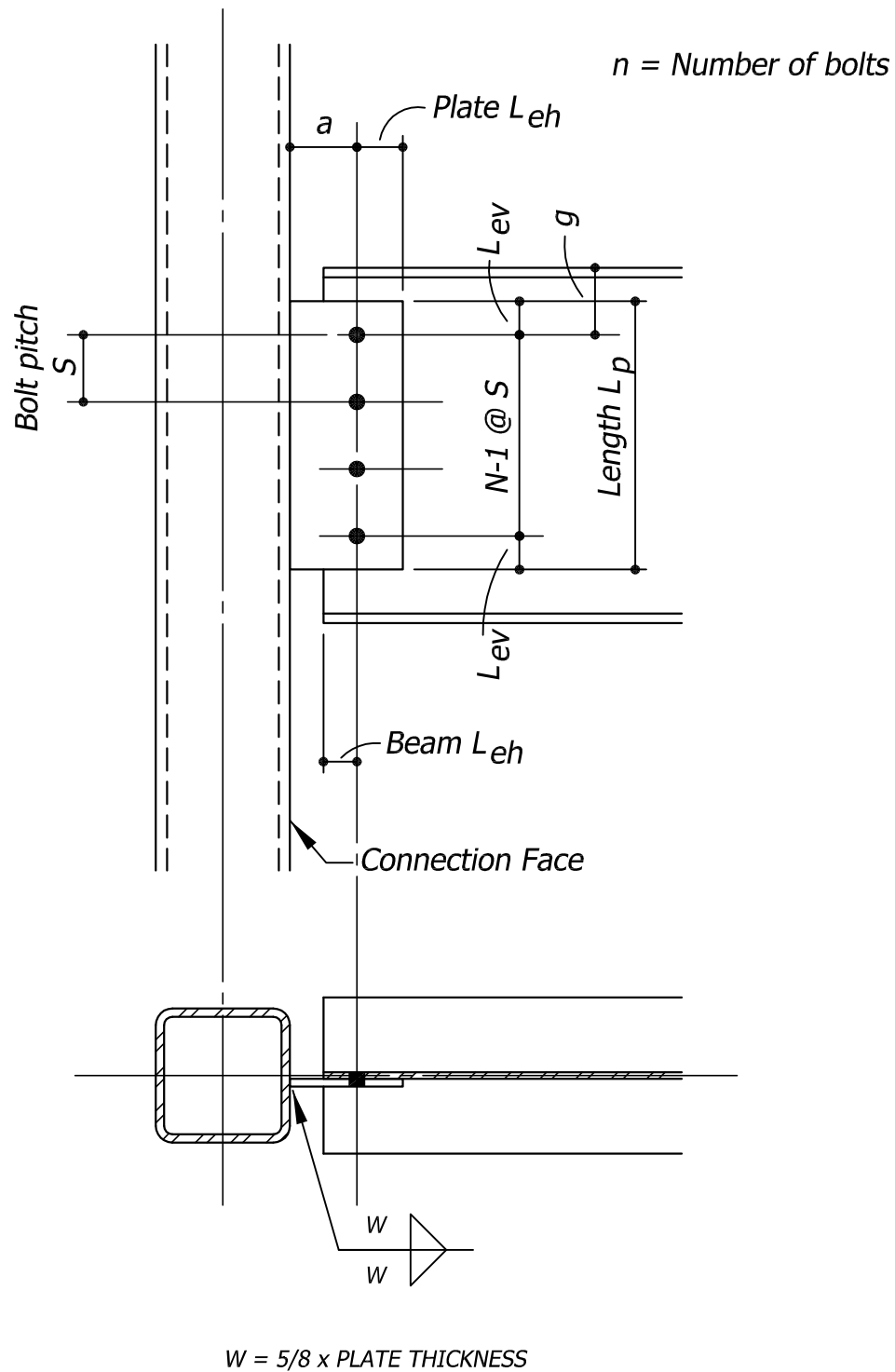


BEAM TO HSS WITH TEE SECTION

n = Number of bolts

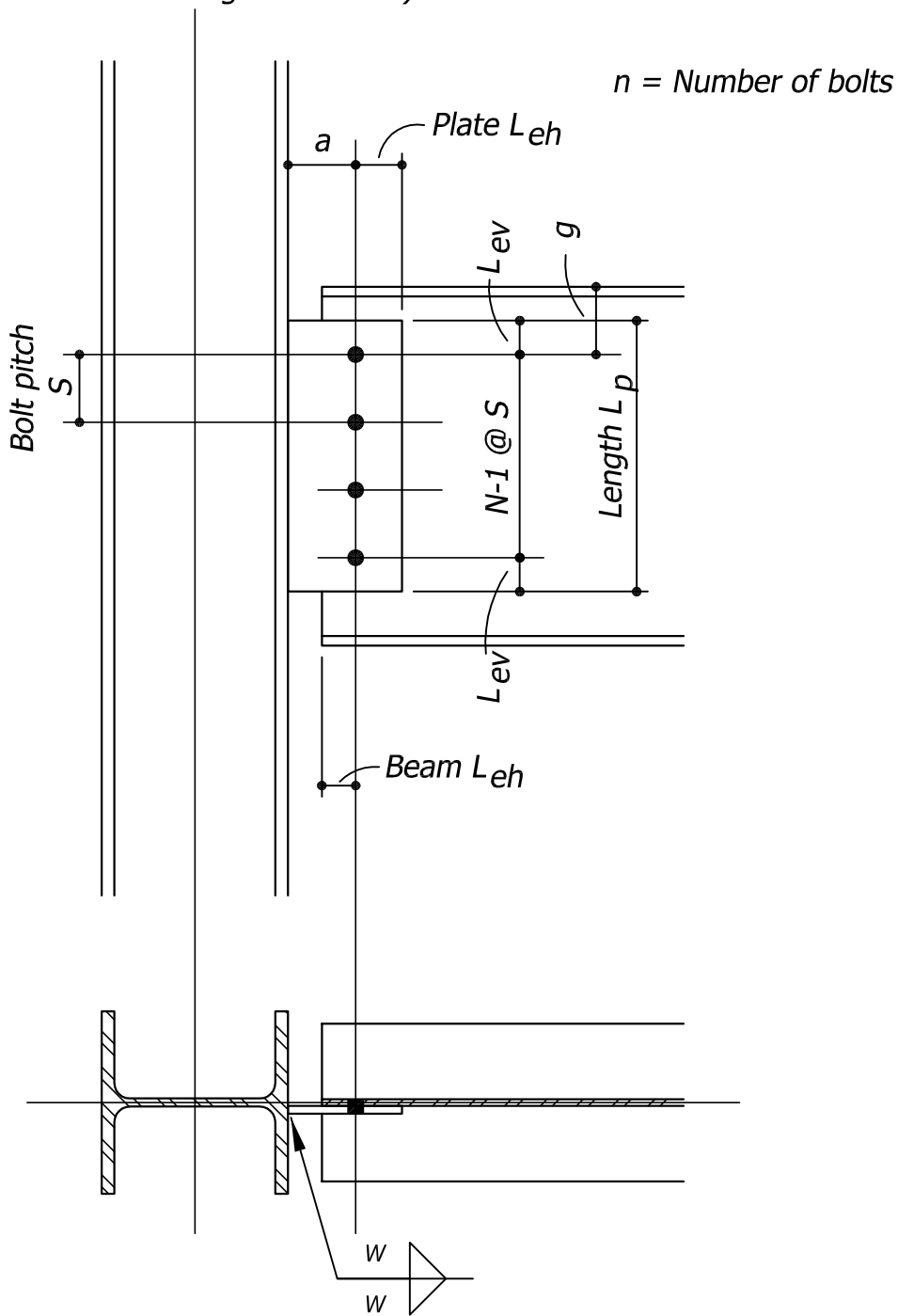


BEAM TO HSS WITH SINGLE PLATE SHEAR CONNECTION



BEAM TO WF WITH SINGLE PLATE SHEAR CONNECTION

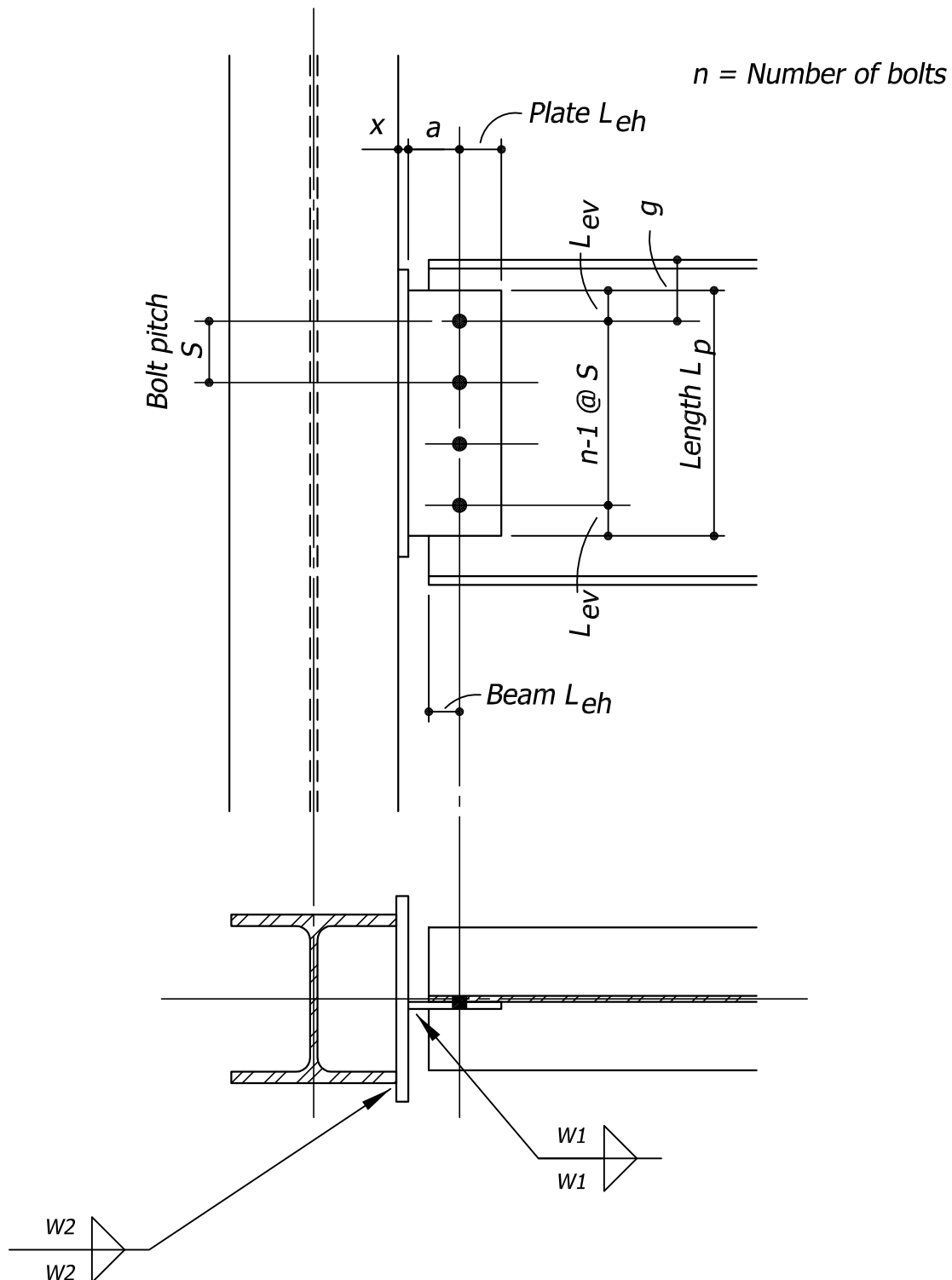
(2016 Conventional SPSC Design Procedure)



$$W = 5/8 \times \text{PLATE THICKNESS}$$

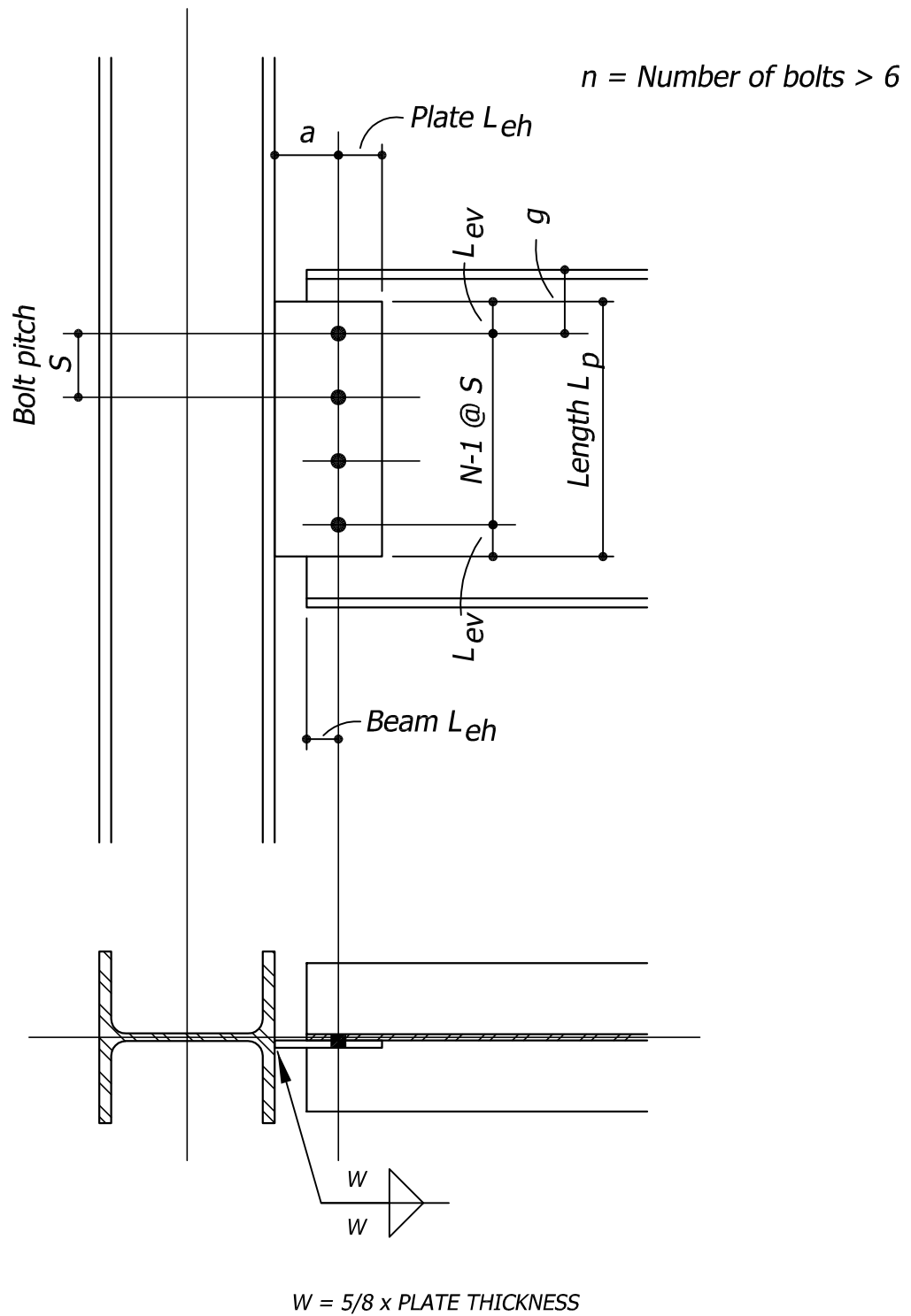
Workbook Tab:
SINGLE PLATE TO W FLG

ISC BEAM TO WF W/ SINGLE PLATE SHEAR CONN.

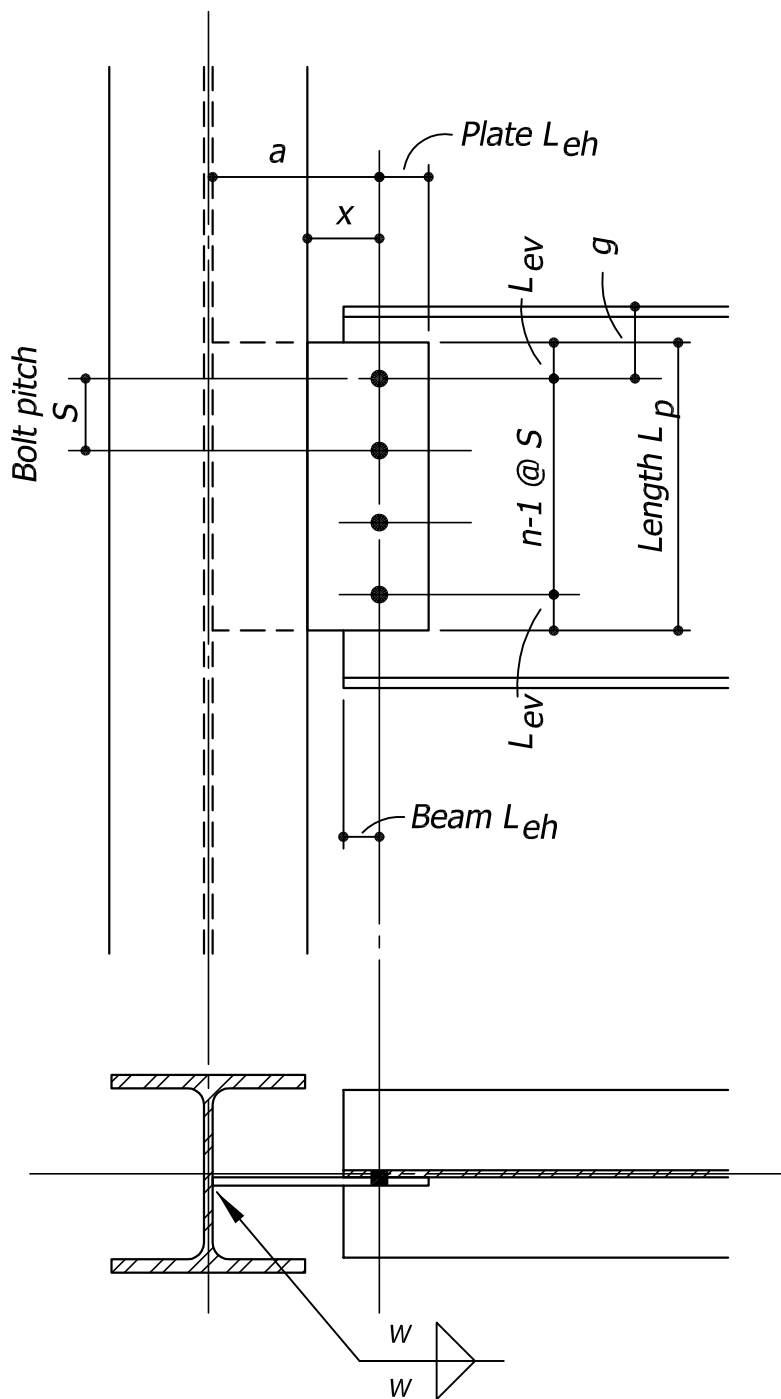


Workbook Tab:
ISC SINGLE PLATE

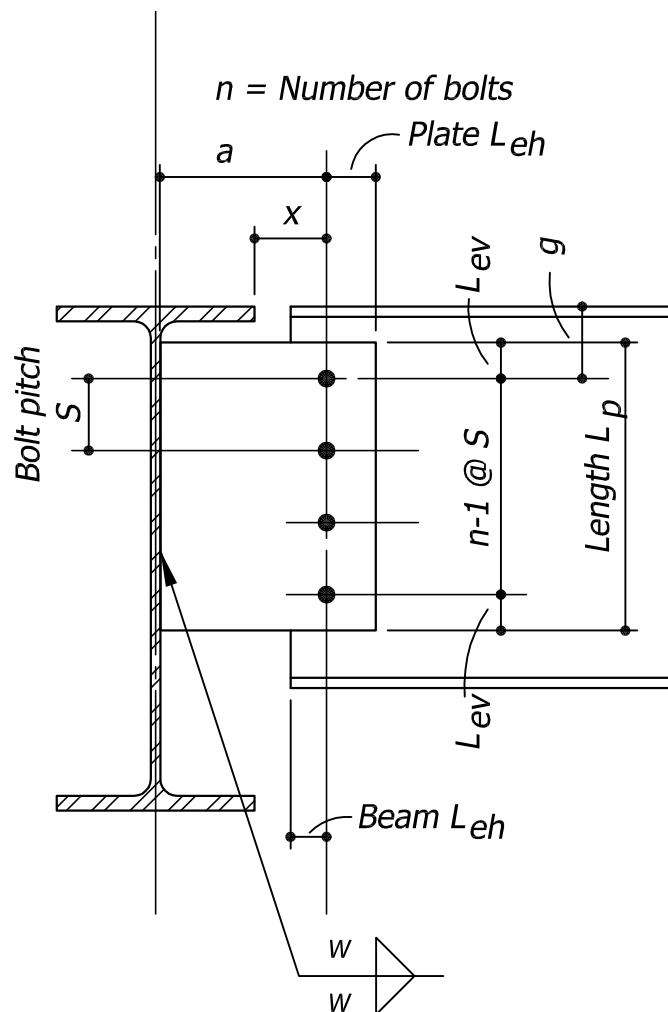
BEAM TO WF WITH SINGLE PLATE SHEAR CONNECTION



BEAM TO WF W/ EXTENDED SINGLE PLATE SHEAR CONN.



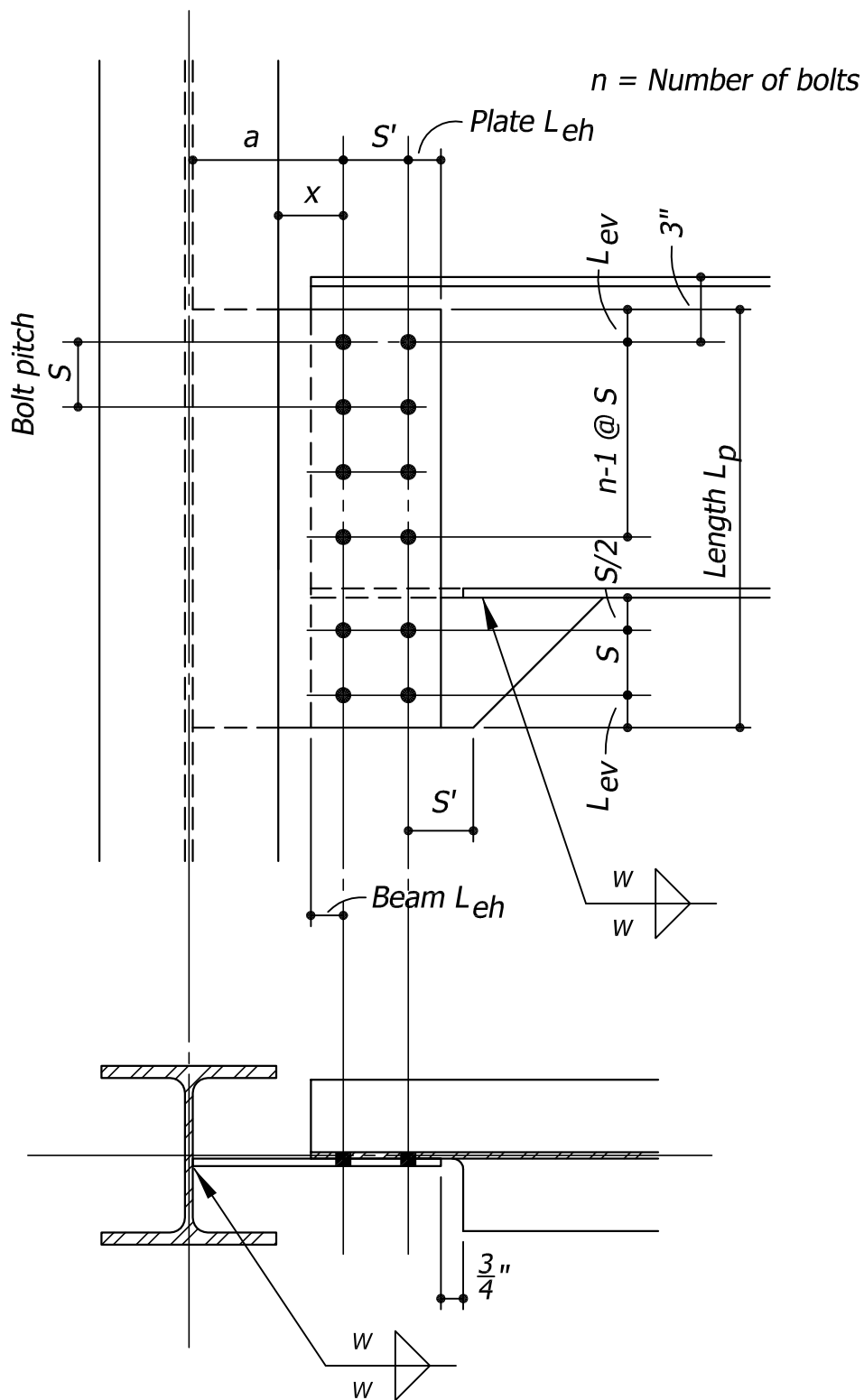
SUPPORTING MEMBER IS COLUMN



SUPPORTING MEMBER IS BEAM

$$W = 5/8 \times \text{PLATE THICKNESS}$$

Workbook Tab:
EXTENDED SINGLE PLATE



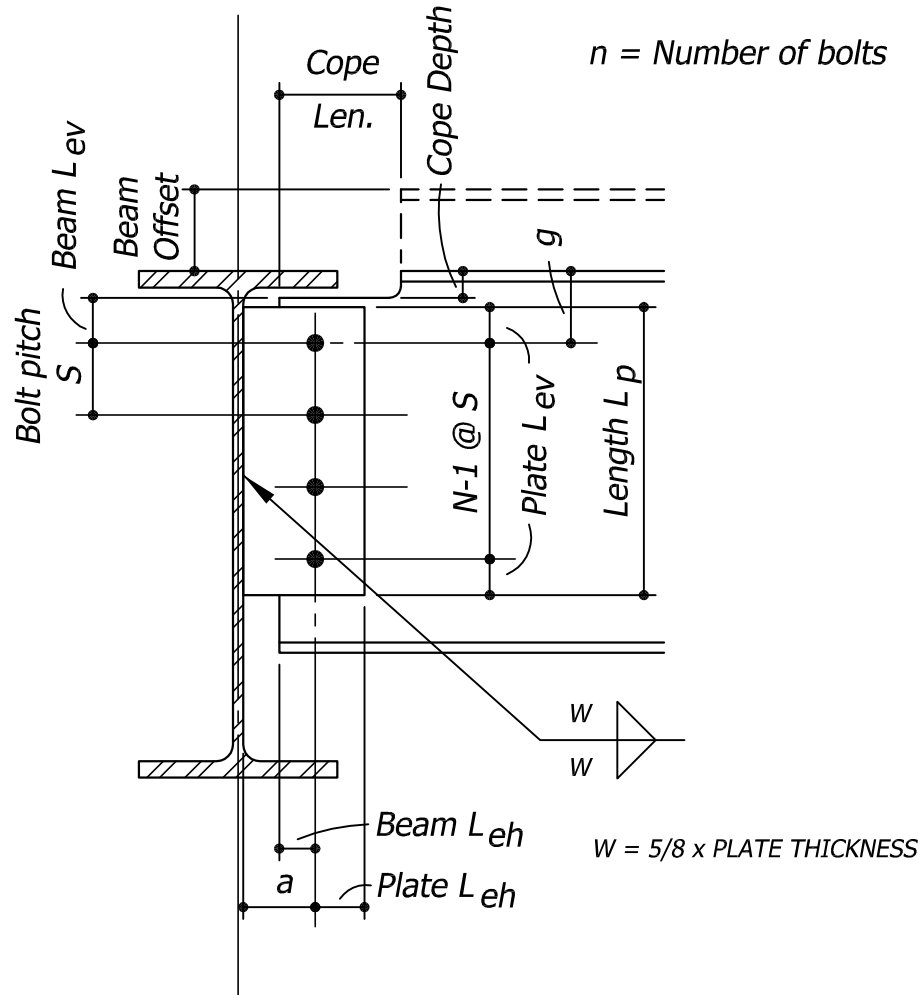
BEAM WEB EXTENSION

$W = 5/8 \times \text{PLATE THICKNESS}$

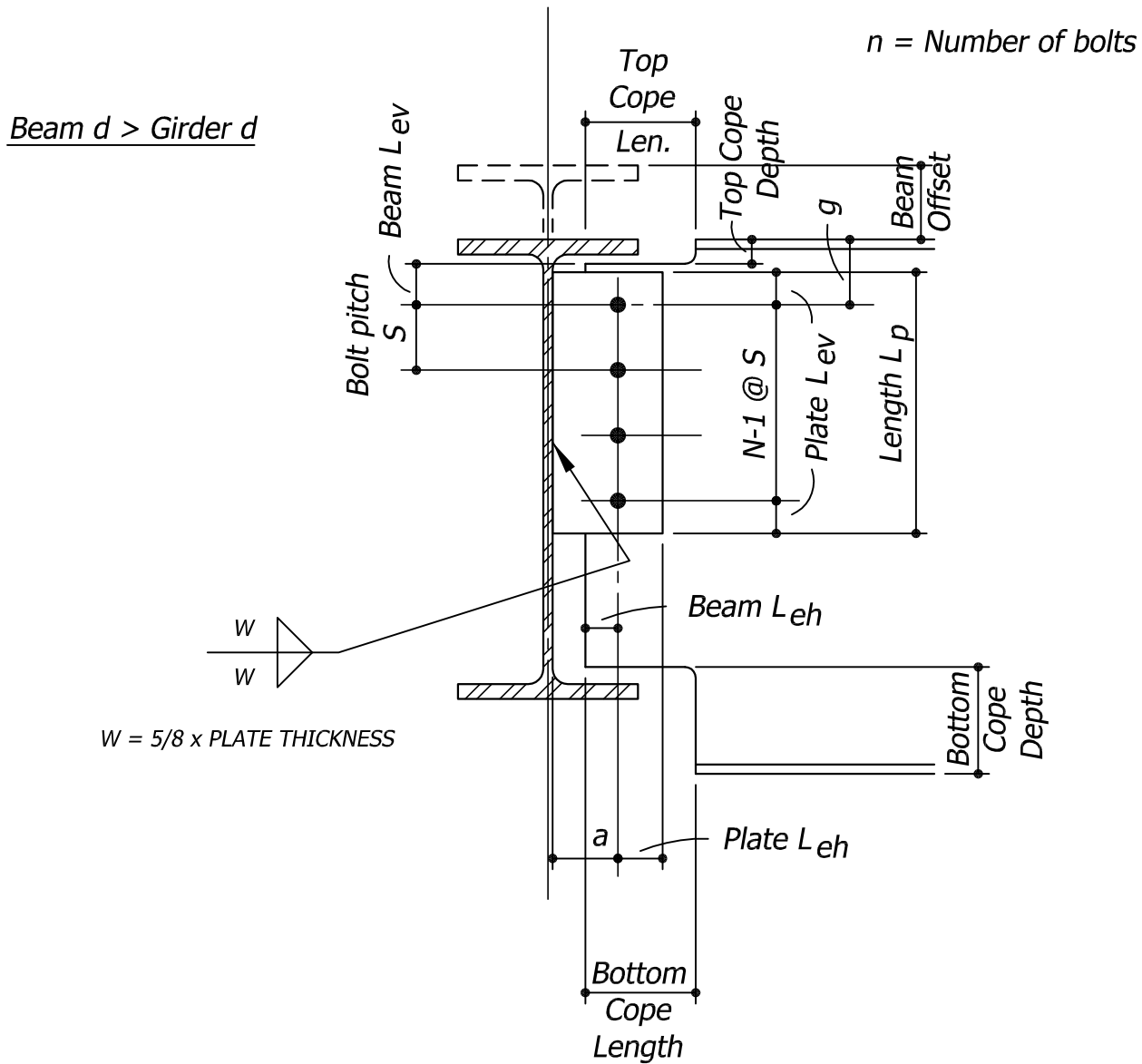
Workbook Tab:
EXTENDED SINGLE PLATE

BEAM TO GIRDER WEB WITH SINGLE PLATE SHEAR CONNECTION

Beam $d < Girder d$

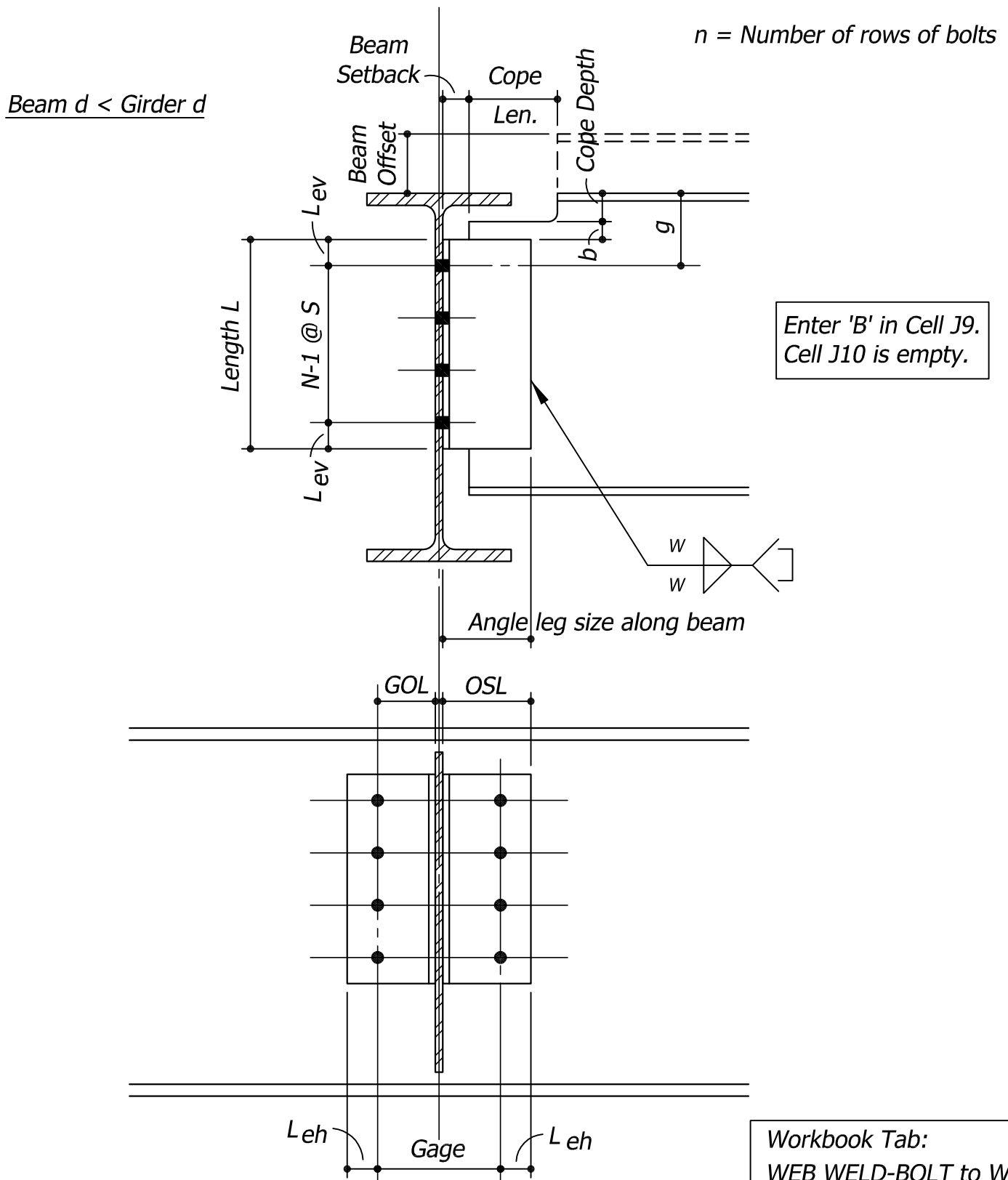


DEEP BEAM TO GIRDER WEB WITH SINGLE PLATE SHEAR CONNECTION



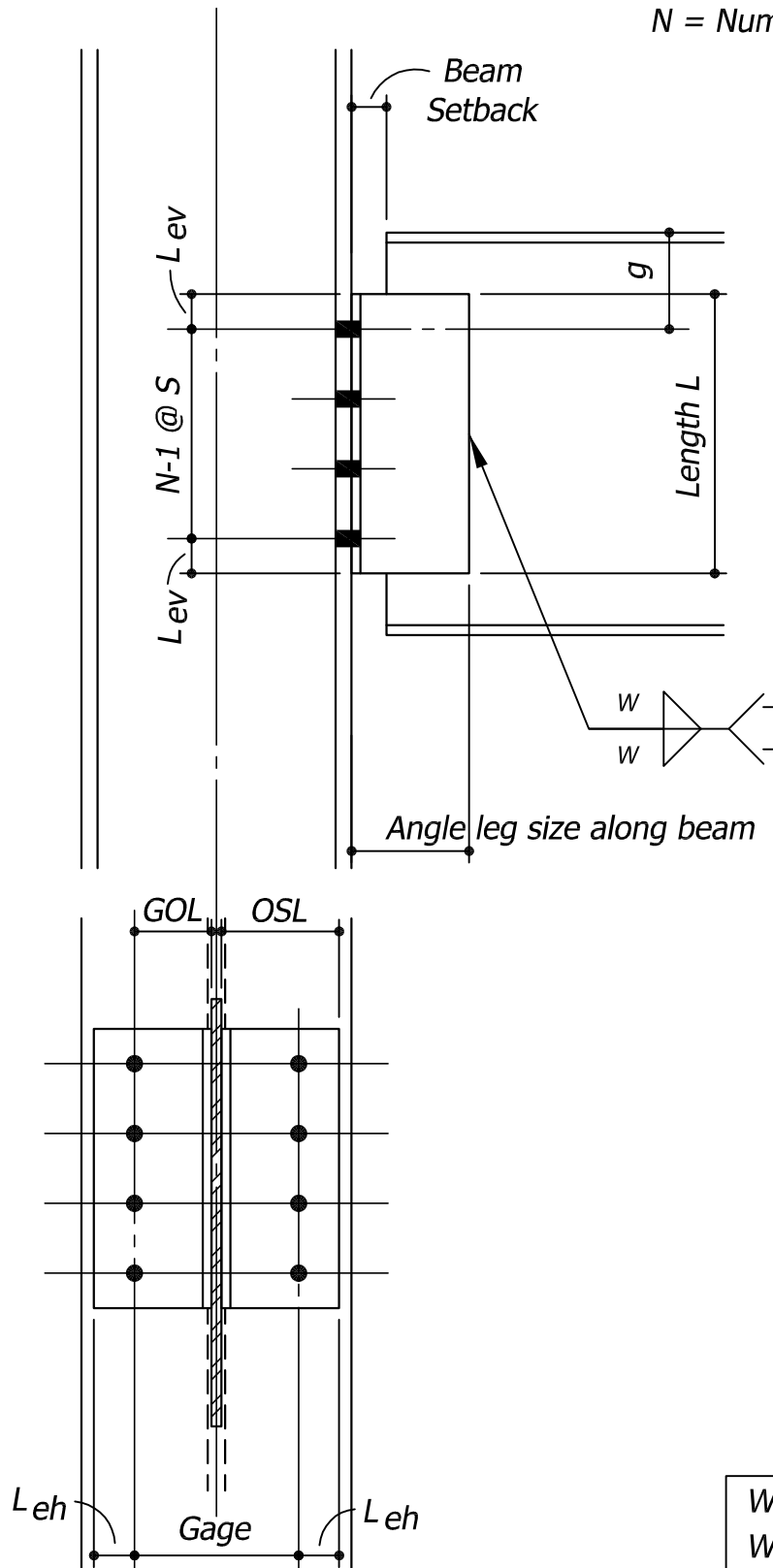
Workbook Tab:
SINGLE PLATE to GIRDER WEB (D)

DOUBLE ANGLE WELDED TO BEAM, BOLTED TO SUPPORTING MEMBER SUPPORTING MEMBER IS GIRDER



DOUBLE ANGLE WELDED TO BEAM, **BOLTED TO SUPPORTING MEMBER** **SUPPORTING MEMBER IS COLUMN FLANGE**

N = Number of rows of bolts

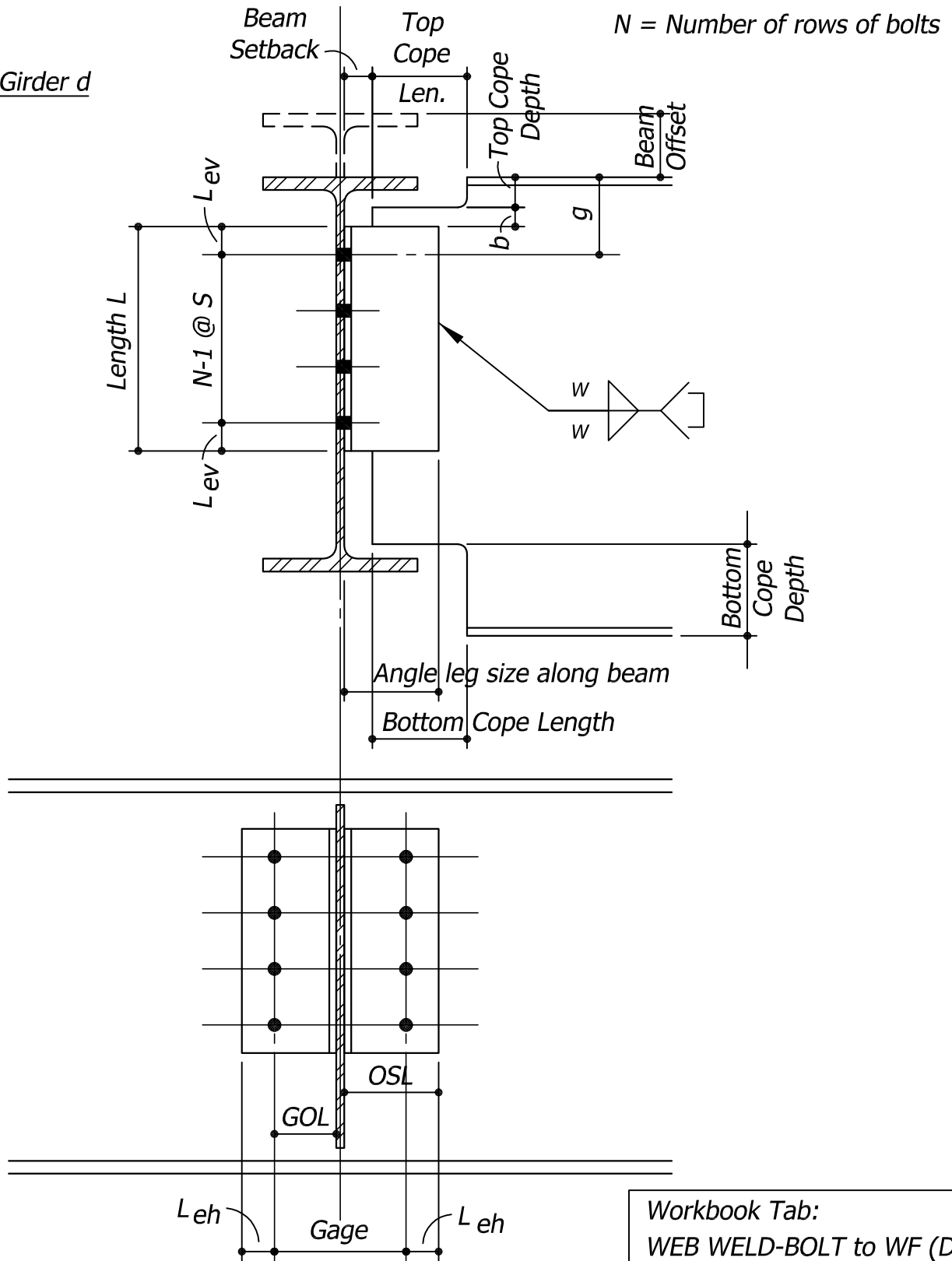


Workbook Tab:
 WEB WELD-BOLT to WF

DOUBLE ANGLE WELDED TO DEEP BEAM, BOLTED TO SUPPORTING MEMBER

SUPPORTING MEMBER IS GIRDER

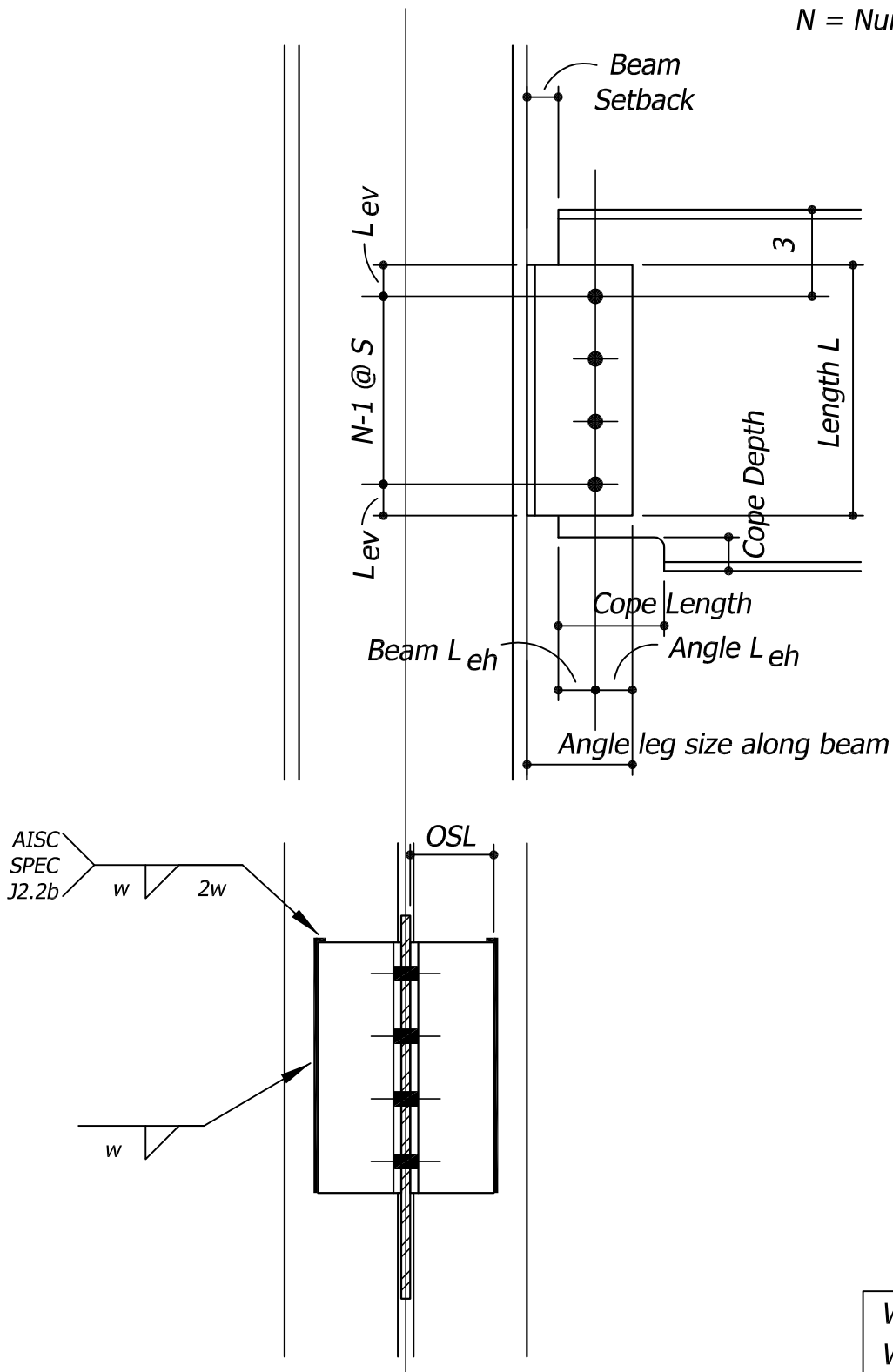
Beam $d >$ Girder d



2A-WELD-BOLT-B1.DWG

DOUBLE ANGLE BOLTED TO BEAM, WELDED TO COLUMN FLANGE

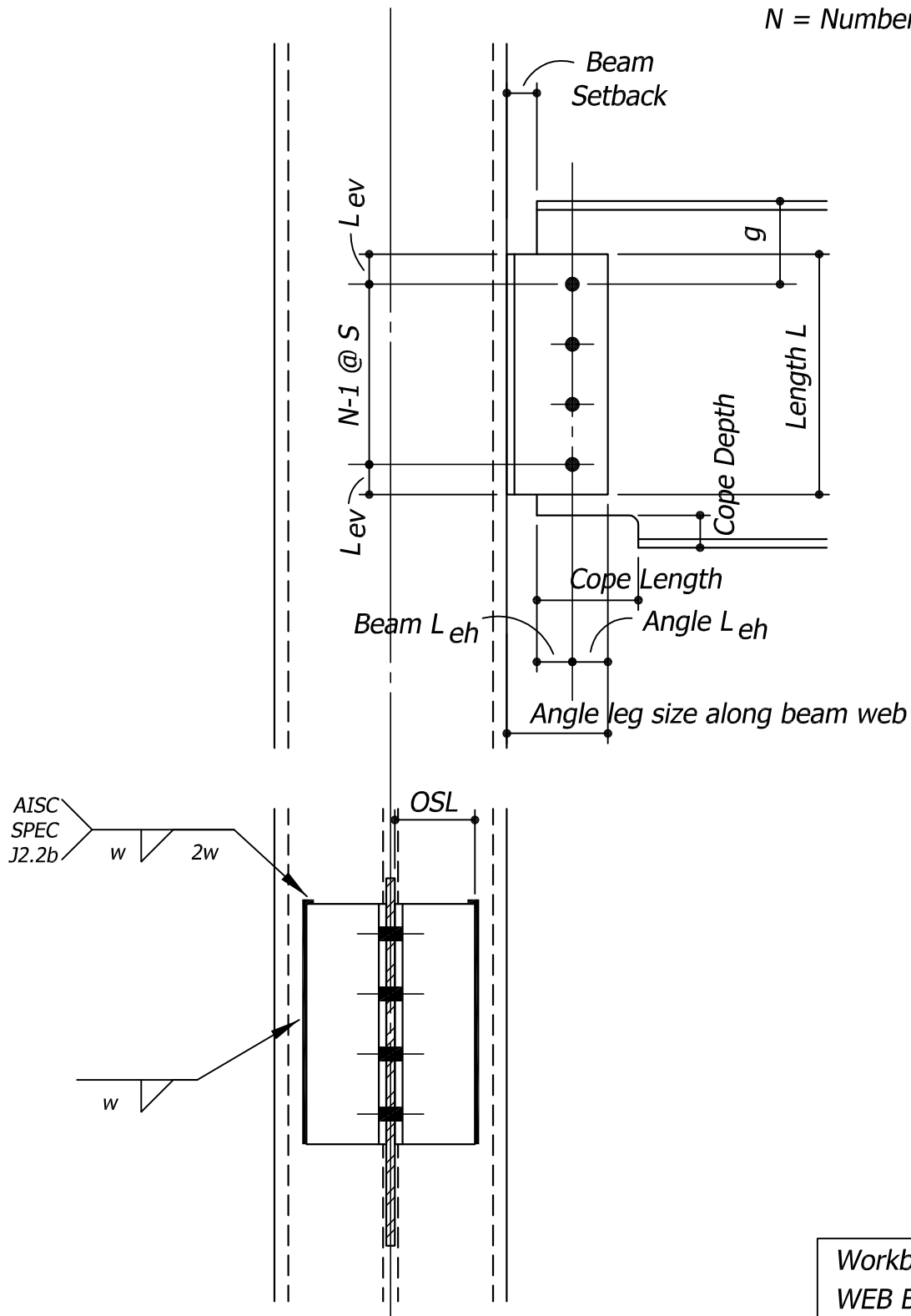
N = Number of rows of bolts



Workbook Tab:
WEB BOLT-WELD to WF

DOUBLE ANGLE BOLTED TO BEAM, WELDED TO HSS COLUMN

N = Number of rows of bolts



Workbook Tab:
WEB BOLT-WELD to HSS