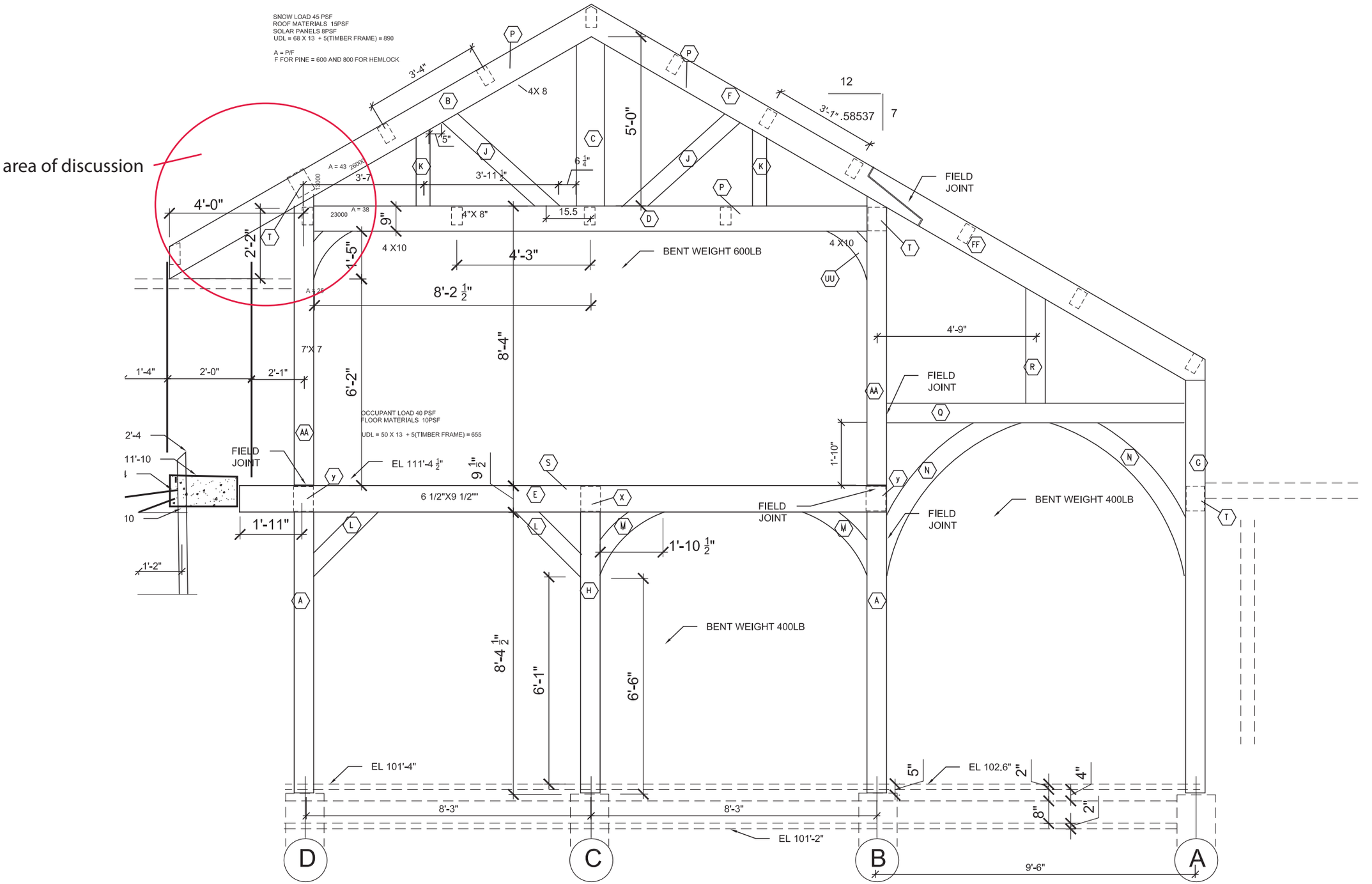
area of discussion
SNOW LOAD 45 PSF
ROOF MATERIALS 15PSF
SOLAR PANELS 8PSF
UDL = 68 X 13 + 5(TIMBER FRAME) = 890
A = P/F
F FOR PINE = 600 AND 800 FOR HEMLOCK
3'-4"
4X 8
5'-0"
12
7
3'-1" .58537
FIELD JOINT
4'-0"
2'-2"
9"
4 X10
4'-3"
BENT WEIGHT 600LB
8'-2 1/2"
4'-9"
7'X 7
8'-4"
6'-2"
1'-4"
2'-0"
2'-1"
OCCUPANT LOAD 40 PSF
FLOOR MATERIALS 10PSF
UDL = 50 X 13 + 5(TIMBER FRAME) = 655
2'-4
11'-10
10
FIELD JOINT
EL 111'-4 1/2"
9 1/2"
6 1/2"X9 1/2""
1'-11"
1'-2"
1'-10"
BENT WEIGHT 400LB
1'-10 1/2"
8'-4 1/2"
6'-1"
6'-6"
EL 101'-4"
EL 102.6"
5"
2"
4"
8"
8'-3"
EL 101'-2"
9'-6"
D
C
B
A