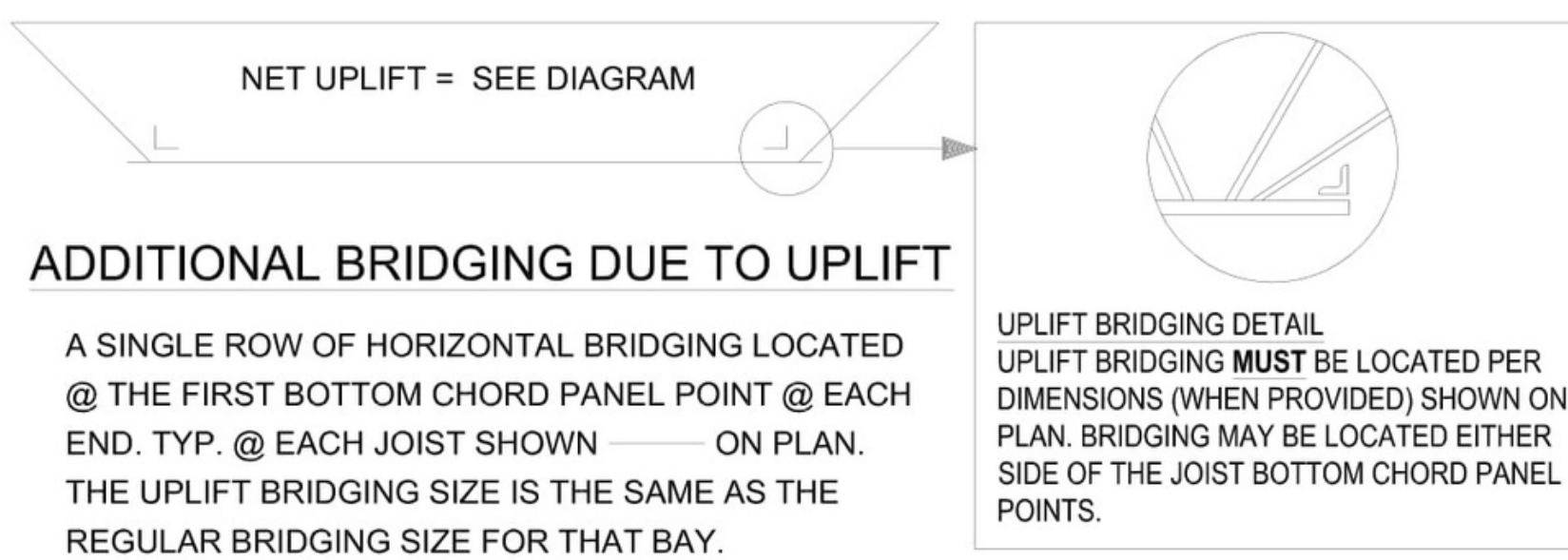


**ROOF JOIST ERECTION PLAN (RETAIL BUILDING 4)**  
REF. S2.1 (RETAIL BUILDING 4)

- PLAN NOTES:**
1. THE TAG END OF THE JOIST IS THE END AT WHICH THE PIECE MARK IS LOCATED.
  2. REFERENCE DWG J1 FOR LEGEND, SYMBOLS & ABBREVIATIONS.
  3. FOR JOIST SECTIONS SEE J4.
  4. ALL JOIST & BRIDGING WILL BE PAINTED WITH ONE COAT OF SJI STANDARD GRAY DIP PRIMER.
  5. DEFLECTION: TL = L/360



**NET UPLIFT DIAGRAM**  
REF.: S1

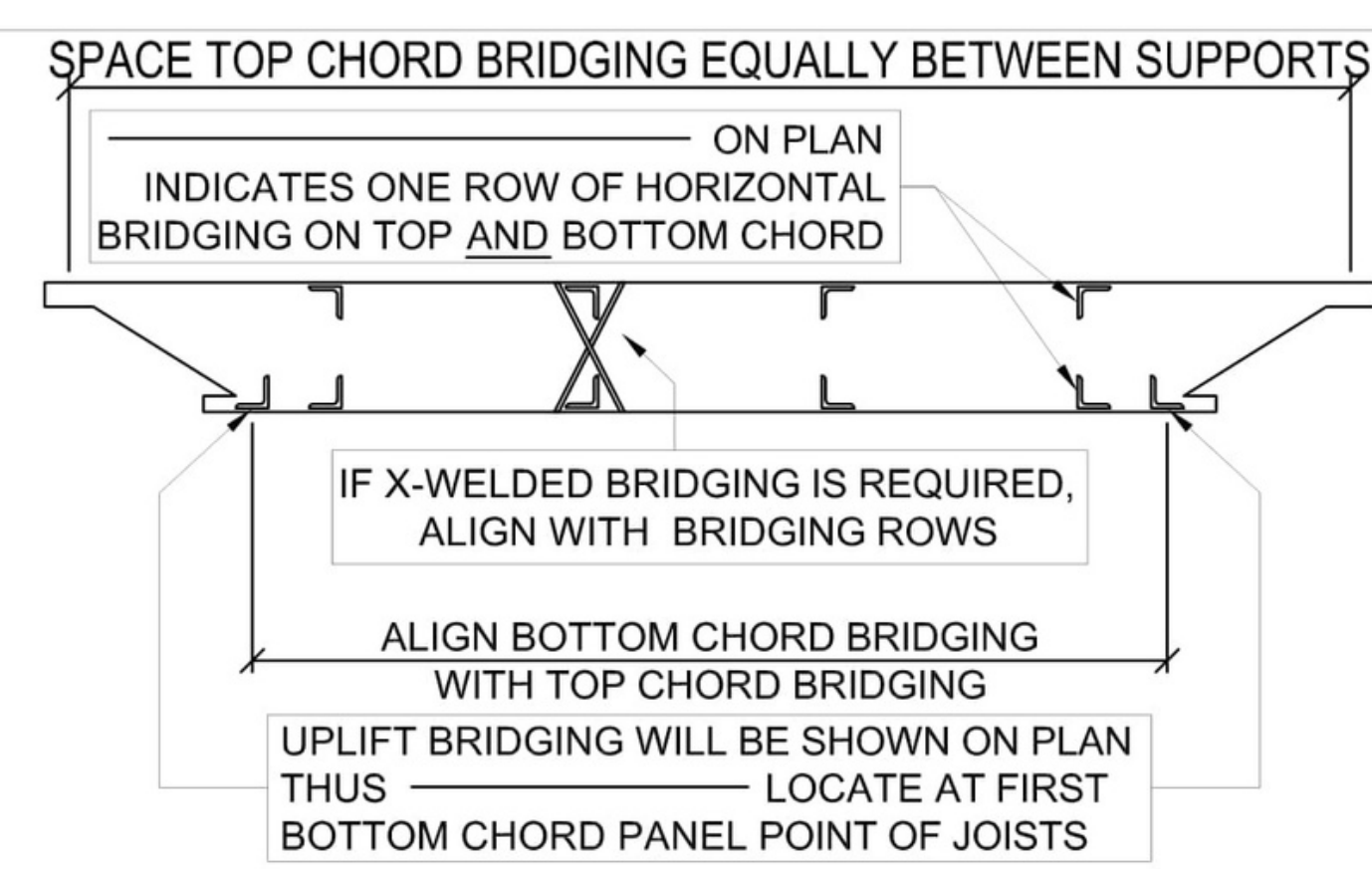
NET UPLIFT VALUE :

TRIBUTARY AREA	ZONE - 1	ZONE - 2	ZONE - 3
10 SQ FT	-24.3 PSF	-44.2 PSF	-69.0 PSF
20 SQ FT	-24.1 PSF	-39.2 PSF	-56.6 PSF
50 SQ FT	-23.1 PSF	-31.8 PSF	-39.2 PSF
100 SQ FT	-21.8 PSF	-26.8 PSF	-26.8 PSF

NET UPLIFT = GROSS UPLIFT - DEAD LOAD (5 PSF)

**BRIDGING LEGEND WITH ANGLE SIZE**

- 400 - 799  
WELDED-X BRIDGING = WELDED-X BRIDGING, IDENTIFIED ON PLACEMENT PLAN  
L 1 x1 x0.109
- H# = CONTINUOUS ROW OF HORIZONTAL BRIDGING AT TOP AND BOTTOM CHORD, IDENTIFIED BY MARKS H1 - H6 ON PLACEMENT PLAN. REFERENCE TYPICAL BRIDGING SPACING DETAIL ON EACH PLACEMENT PLAN FOR SPACING REQUIREMENTS, UNLESS SPECIFIC LOCATIONS ARE SHOWN.  
• H1 = L 1x1x0.109  
• H2 = L 1 1/4x1 1/4x0.109
- H# = CONTINUOUS ROW OF HORIZONTAL UPLIFT BRIDGING INSTALLED AT FIRST BOTTOM CHORD PANEL POINT, IDENTIFIED ON PLAN BY H1 - H6 (REFERENCE TYPICAL BRIDGING SPACING DETAIL ON ROOF PLACEMENT PLANS)  
• H1 = L 1x1x0.109



**TYPICAL BRIDGING SPACING (W/ UPLIFT)**

NOTE: BRIDGING ROW QUANTITIES WILL VARY.  
(SEE JOIST ERECTION PLANS FOR BRIDGING ROW REQUIREMENTS.)  
N.T.S.

**FOR FIELD USE**



**A Fabricator's Friend**