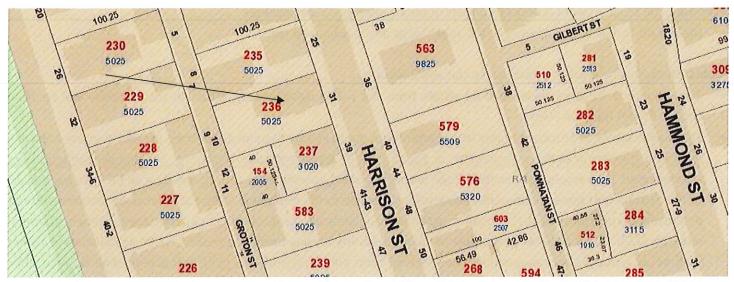
6. CASE 21.126, 31 HARRISON STREET, House, 1860s (ARMORY)

2½-story; end-gable; typical house; with bracketed cornice, 2-story bay and sidehall entry hood. CONTRIBUTING



Arrow indicates 31 Harrison Street



Arrow indicates project location, looking north.







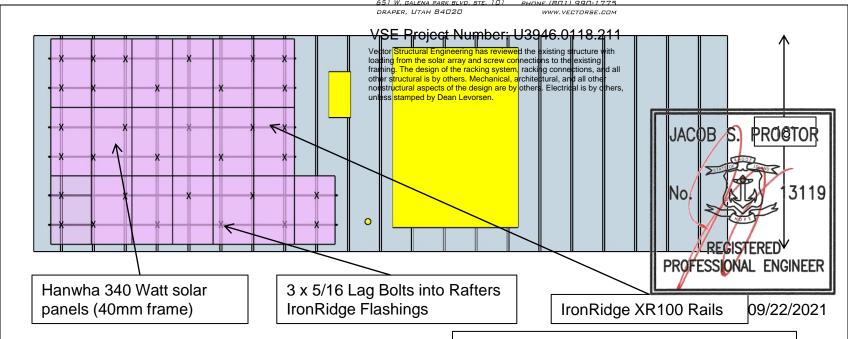


Site Location: Seth Zeren 31 Harrison Street, Apt 2 Providence, RI. 02909 Structural Layout Drawing Created By: Abel Collins

Date: 9/21/2021

Sol Power 11 Almy Street Providence, RI. 02909





Array area (square ft): 372.9 Hurricane ties present: No Flush Roof Mount PV Array Roof Type: Asphalt Shingle

Roof Rafters: 2x6" rafters 32" OC sistered

with 2x6" boards

Roof Pitch: 34 degrees Roof Orientation: 161 Mean Roof Height: 28' Loading, 133 mph wind, 30 psf snow:

Total Weight (lbs): 1067.1 Weight/Attachment (lbs): 33.3 Distributed Weight (psf): 2.9

Max Downforce at Attachment (lbs): 234

Max Uplift at Attachment (lbs): -182

Lateral Reaction at Attachment (lbs): 100

Max Cantilever: 2'2"

Max attachment span: 5'4" Total # of Attachments: 32



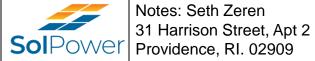
Site Location: Seth Zeren 31 Harrison Street, Apt 2 Providence, RI. 02909 Structural Layout Drawing Created By: Abel Collins

Date: 9/21/2021

Sol Power 11 Almy Street Providence, RI. 02909 Reaction Forces:

Reaction	Down	Uplift	Lateral
Forces	(lbs)	(lbs)	(lbs)
Zone 1	234	148	100
Zone 2	234	182	100
Zone 3	234	182	100

Wind Zone: 3 Rafter Span: 16'



Notes: Seth Zeren

Structural Layout Drawing

Sol Power 11 Almy Street Providence, RI. 02909