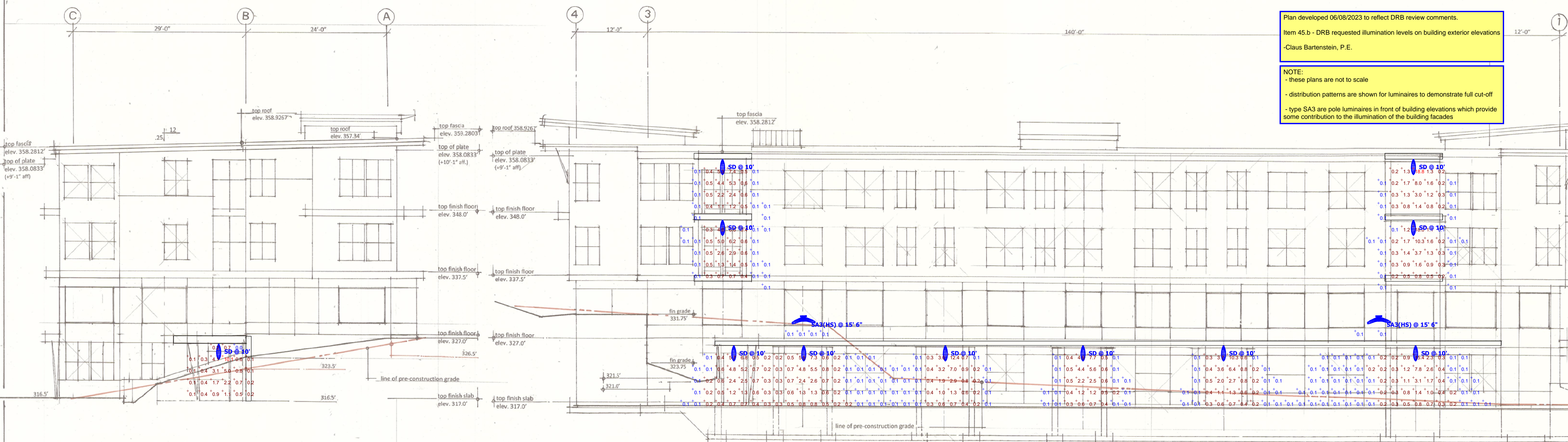


Plan developed 06/08/2023 to reflect DRB review comments.

Item 45.b - DRB requested illumination levels on building exterior elevations
- Claus Bartenstein, P.E.

NOTE:
- these plans are not to scale

- distribution patterns are shown for luminaires to demonstrate full cut-off
- type SA3 are pole luminaires in front of building elevations which provide some contribution to the illumination of the building facades

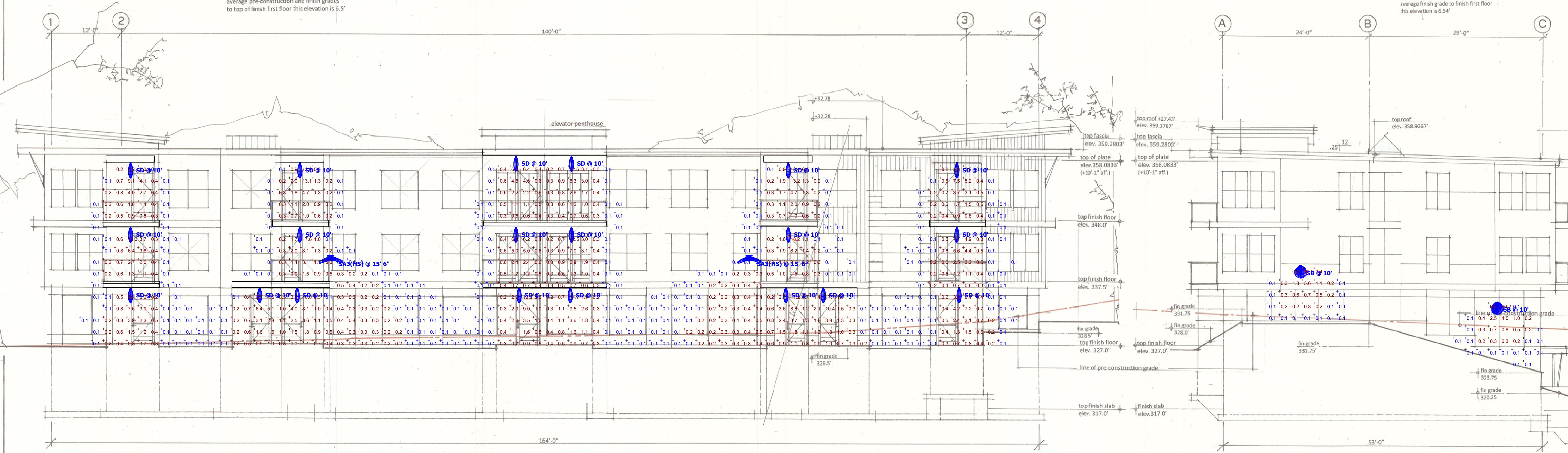


SOUTH ELEVATION

average building height from pre-construction and finish grades this elevation is 38.10'
average pre-construction and finish grades to top of finish first floor this elevation is 6.5'

WEST ELEVATION

average building height from finish grade this elevation is 36.94'
average finish grade to finish first floor this elevation is 6.54'



EAST ELEVATION

average building height from finish grade this elevation is 32.53'
average finish grade to finish first floor this elevation is .25'

NORTH ELEVATION

average building height from finish grade this elevation is 31.7'
average finish grade to finish first floor this elevation is 1.0625'

- CONSTRUCTION NOTES :**
- ground floor level meets the IBC code definition for a storey below the grade plain
 - average fin. grade to fin. first floor calculations at building perimeter = $1.0625' \times 25' + 6.54' + 6.5' = 14.3525' / 4 = 3.59' < 6'$ maximum
 - building construction type is VB unprotected with required automatic fire suppression system
 - average building height at building perimeter = $31.7' + 32.53' + 36.94' + 38.10' = 34.8175' < 35'$ maximum

GRISTMILL BUILDERS - JOLINA COURT MASTER PLAN, RICHMOND, VERMONT
SITE LIGHTING CALCULATIONS - ELEVATIONS

Designer
ESVT
Date
06/08/2023
Scale
Not to Scale
Drawing No.

EL2
Summary