2440 NE MLK BLVD. #202, PORTLAND, OREGON 97212

PHONE: (503) 335-9040 FAX: (503) 335 5850

DATE:

9-30-09

TO:

Alice Meyers

FROM:

Dave Spitzer

SUBJECT:

Dekum Corner Green Roof

Following is a summary of the two green roofs that were recently installed at 820 NE Dekum and 6677 NE Durham (all the same tax lot but several different structures).

## 820 NE DEKUM – ECO ROOF ABOVE COMMERCIAL

- Plants installed 9-18-09
- 330 sf in size
- Existing roof over asphalt and tar had to be removed.
- Existing wood structure of 2x8's @ 16" o.c. had to be reinforced with additional 2x8's and the main beam also had to be reinforced.
- New spray on 3# roofing foam insulation was applied ontop of the new plywood sheathing for an r-value of approximately R-21 (3" in depth).
- 50 mil Polyurea with white elastomeric top coat used as waterproof layer.
- Enkadrain 3811R was used as drainage layer
- 80% pumice green roof growing media was used from Phillips soils.
- Soils to depth of approximately 4".
- Cuttings of a variety of sedums where 'sprinkled' over the growing medium.
- Irrigation is by hand until established that means daily watering for the first two months until rainy season starts.

## 6677 NE DEKUM – ECO ROOF OVER TRASH ENCLOSURE

- Plants installed 9-18-09
- 133 sf in size
- New construction wood roof with concrete block walls.
- 50 mil Polyurea with white elastomeric top coat used as waterproof layer over t&g plywood decking.
- Enkadrain 3811R was used as drainage layer
- 80% pumice green roof growing media was used from Phillips soils.
- Soils to depth of approximately 6".
- Cuttings of a variety of sedums where 'sprinkled' over the growing medium.
- Irrigation is by hand until established that means daily watering for the first two months until rainy season starts.

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Project:

Structural Design for Commercial Remodel - Dekum Corner

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Location:

818 NE Dekum St., Portland, OR

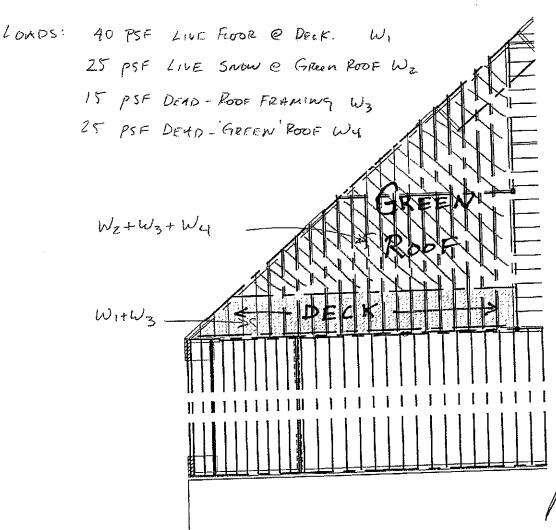
Job #: AE838

Client:

DMS Architects

Date: Sept 28, 2009

· ROOF FRAMING DESIGN @ TRIANGULAR ROOF



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