EXPAND LIVING SPACES

Noble Deck™

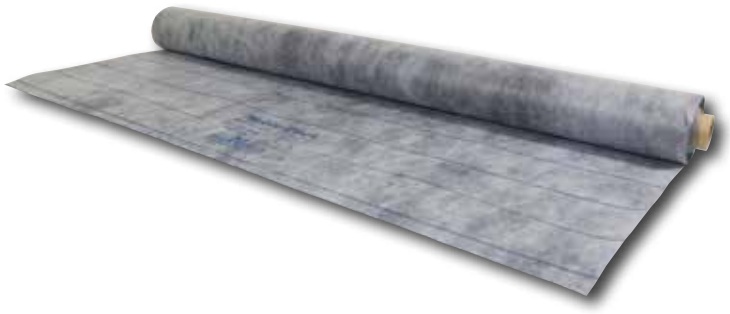
Waterproofing and Crack Isolation
for Exterior Deck Applications

VIEW PRODUCT DETAILS
AND DIAGRAMS ONLINE

Noble Company
Simple Solutions... Proven Performance

A division of
FEDERAL PROCESS CORPORATION

EXTERIOR THIN-BED WATERPROOFING



Noble Deck™ is a composite sheet membrane manufactured from Chlorinated Polyethylene (CPE), a non-plasticized elastomer, with polyester fabric laminated to both sides. Specifically formulated for a wide range of exterior applications.

- Exceeds ANSI A118.12 High Performance for Crack Isolation
- Offers joint bridging capabilities
- Takes the place of traditional roofing membrane
- Suitable for exterior applications over occupied space
- Roll Size: 6’ x 50’ = 300 sq. ft.
- .040” (1.0mm) thick
- 10-year product warranty

INSTALLATION CONSIDERATIONS

SLOPE

Ensure proper slope of 1/4” per foot.

BOND COAT

NobleBond EXT is recommended as a bond coat, an exterior grade modified thin-set is also acceptable.

SEALANT

Use NobleSealant 150 to seam sheets and seal penetrations, drains, concealed terminal edges, and corners.

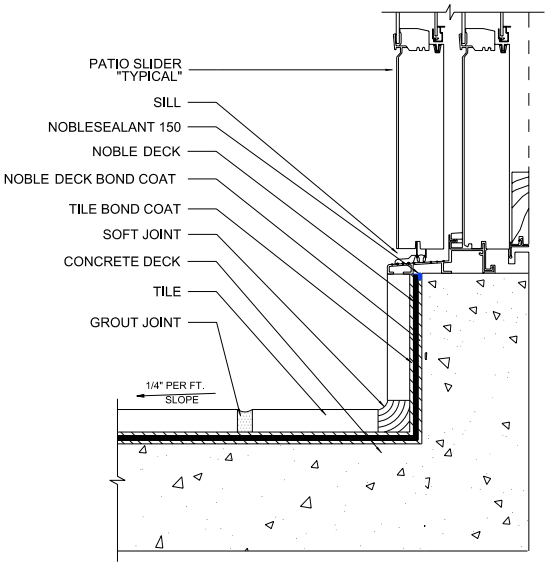
TEMPERATURE AND WEATHER CONDITIONS

Follow manufacturers’ recommendations for use of their materials.

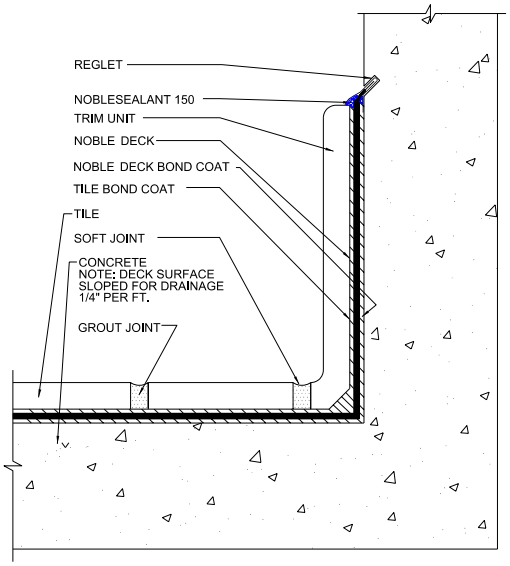
INSTALLATION DETAILS

For full installation details and commentary, refer to TCNA Handbook and ANSI A108 Standards. Read and follow installation instructions for Noble Deck prior to installing. Instructions for Noble Deck are available at **www.noblecompany.com.**

SLIDING DOOR



EXTERIOR WALL

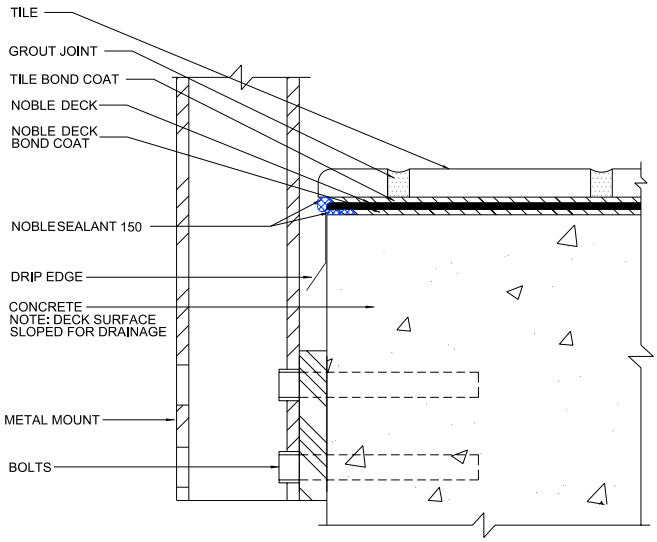


(Details not to scale)

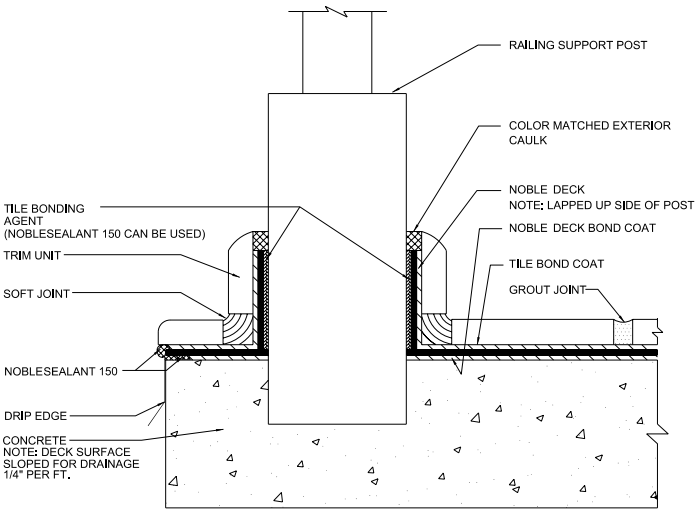
PMG-1059 FILE #4339

- Meets ANSI A118.10 Thin-Bed Waterproofing
- ASTM C627 Crack Isolation “Extra Heavy”
- ANSI A118.12 (Jig Test) “High Performance”

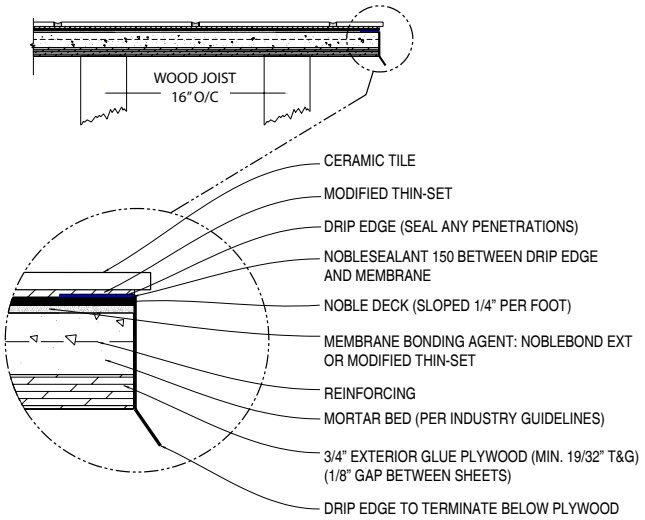
HAND RAIL MOUNTING



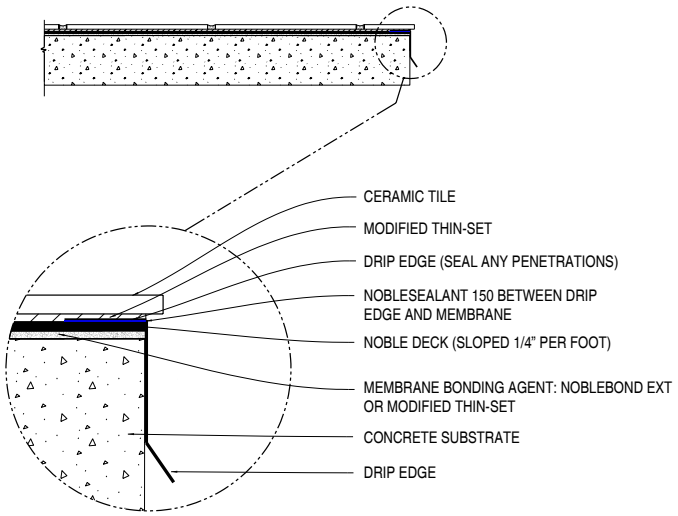
DECK POST AND EDGE



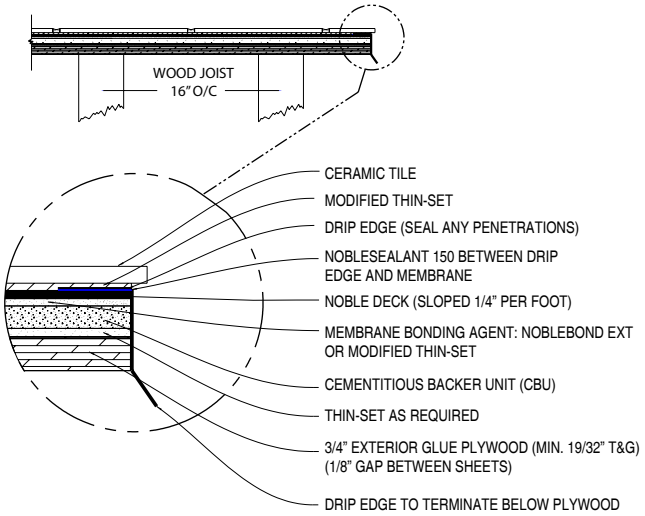
PLYWOOD WITH REINFORCED MORTAR BED



CONCRETE SUBSTRATE



PLYWOOD WITH BACKER BOARD



(Details not to scale)

EXTERIOR DECKING PREPARATION AND INSTALLATION CHECKLIST USING NOBLE DECK

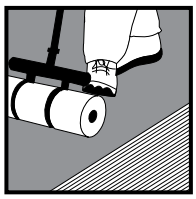
PREPARATION & MATERIALS

- ❑ Obtain structural engineer certification to confirm that framing will support anticipated loads.
  Note: *Mortar beds weigh 12 lbs./sq.ft. at 1" thickness.*
- ❑ Ensure framing has proper slope away from structure (1/4" per foot).
- ❑ Check joist spacing and span length to align with TCNA deflection recommendations.
  Note: *Two layers of exterior grade plywood may be necessary to support load requirements of wood frame decks.*
- ❑ Select proper cement backer board for exterior application.
  Note: *Some waterproofing cannot be used as a roofing membrane.*
- ❑ Select sealant compliant with ANSI C920, refer to TCNA EJ171-15.

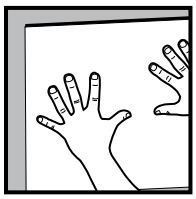
INSTALLATION NOTES

- ❑ Flash waterproofing at cove, walls, drains, and other penetrations. If exterior veneer is in place and flashing behind the wall is not possible, refer to TCNA F104-15 Reglet detail.
- ❑ Full bedding of all tile and stone is critical – no voids!
- ❑ Drip edge, gutter edge of deck flashing must be considered.
- ❑ Movement joints (refer to TCNA detail EJ171-15):
  - ❑ Architect must specify type of joint and locations on drawings.
  - ❑ Joint width minimums are to be based on TCNA EJ171.
  - ❑ Soft joints every 8' to 12' (TCNA EJ171) in both directions and at changes in the plane or as determined by a design professional.
  - ❑ Expansion joints should be prefabricated.
  - ❑ Joints must have thin-set raked out down to the substrate.
    Note: *If the thin-set is not raked down to the substrate, the movement joint will not function as designed.*
  - ❑ Joints should be provided at the flooring material interface with the structure. All penetrations, railings, etc., must be caulked.
  - ❑ Bond breaker tape installed between the joint and the substrate.
- ❑ Flood test prior to tile installation.
- ❑ Protect waterproofing. Keep exposed membrane covered to prevent direct exposure to sunlight, extended UV exposure, and elements, prior to application of bonding agent for tiling, to protect integrity of membrane materials.
  Note: *Additional protection from damage to joints caused by construction traffic during installation can be obtained by installing 5" wide cap strips of membrane material over seams using modified thin-set.*

1. Apply bonding agent



2. Embed sheet



3. Install tile

Unlike fluid-applied products, our sheet membranes do not require curing, so work can progress as soon as sheets are installed. Sheets also minimize variables in workmanship. Large sections can be created by seaming sheets together.

Noble Company
A division of Federal Process Corporation

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