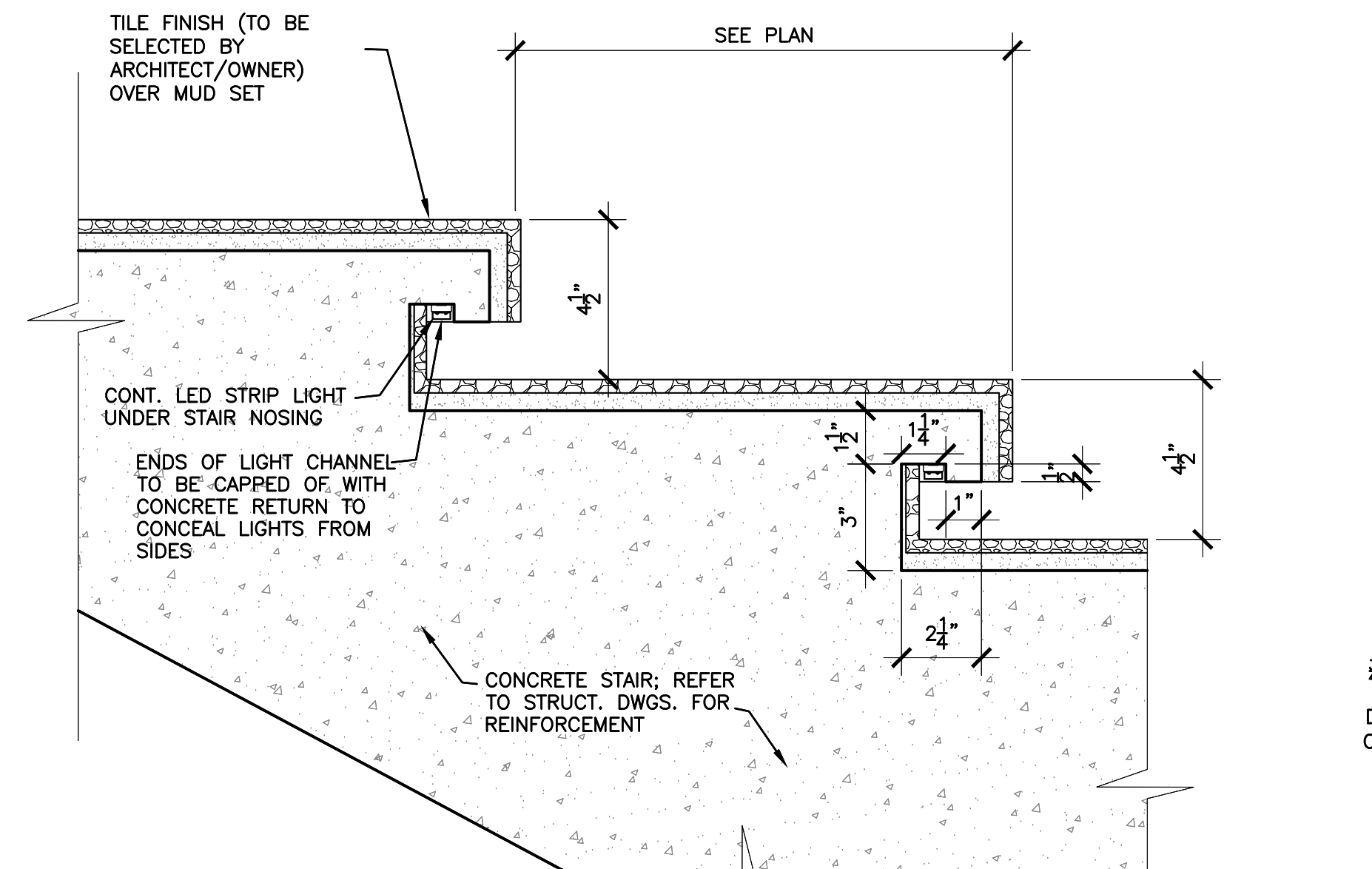
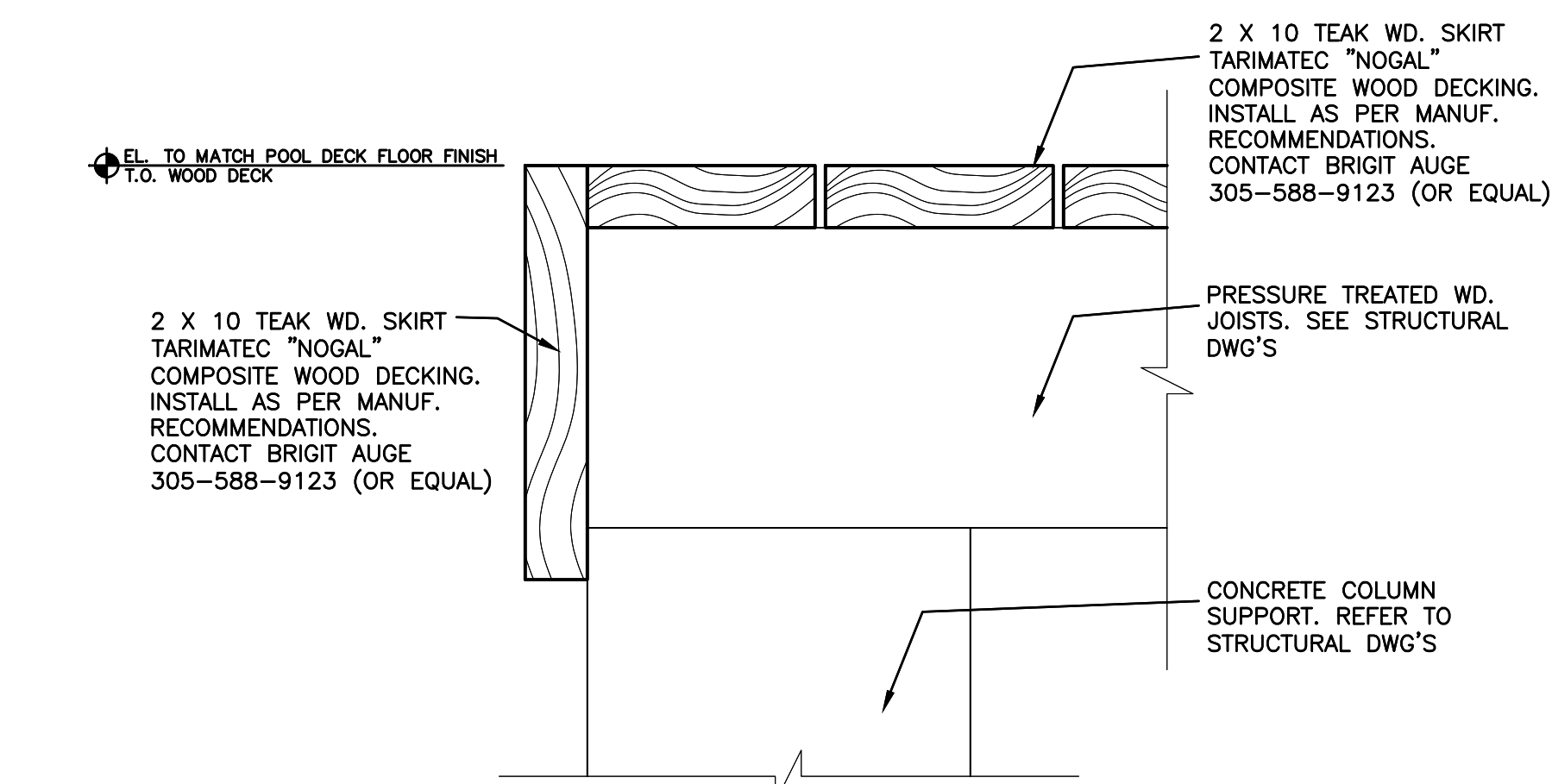
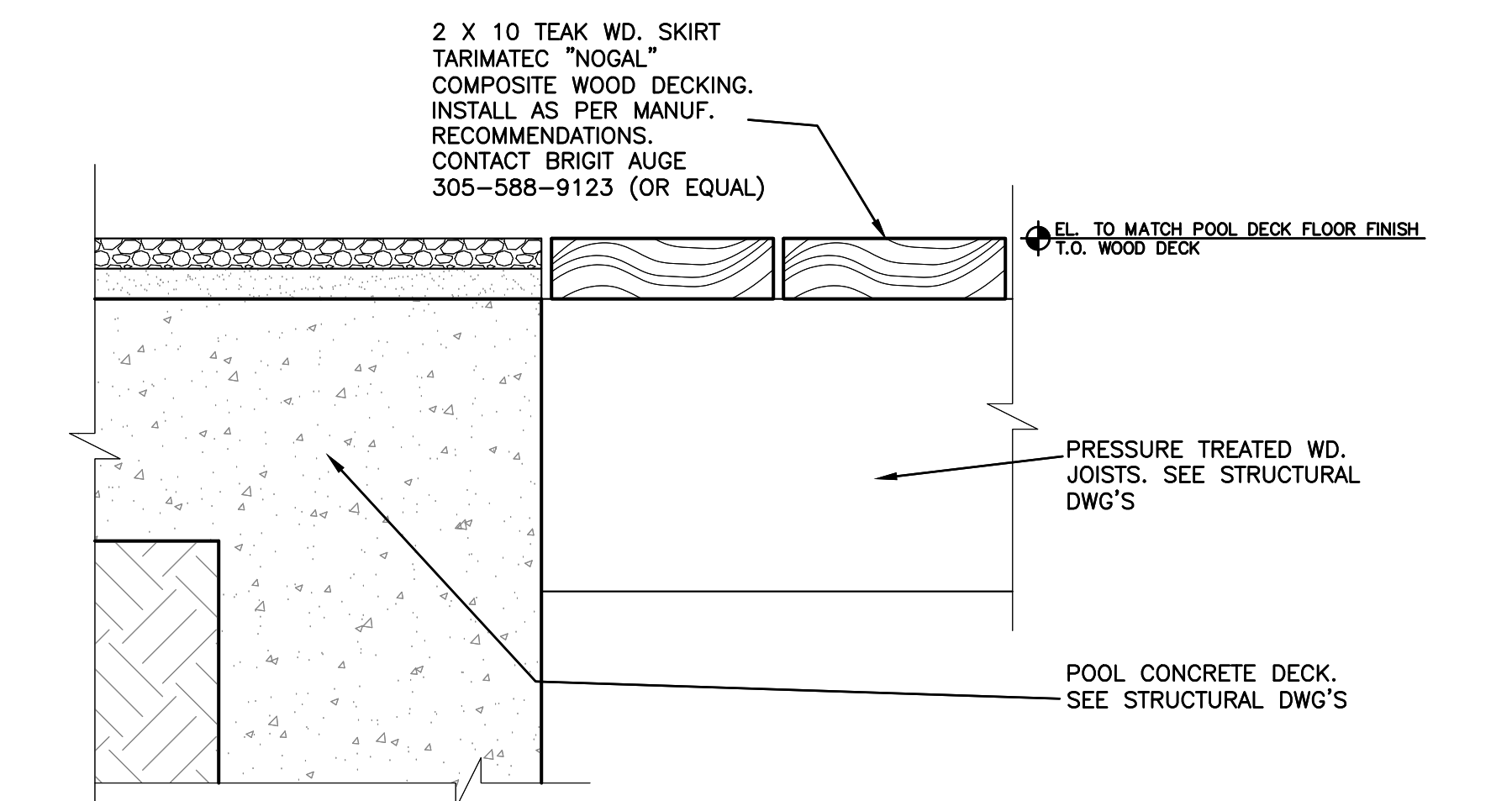




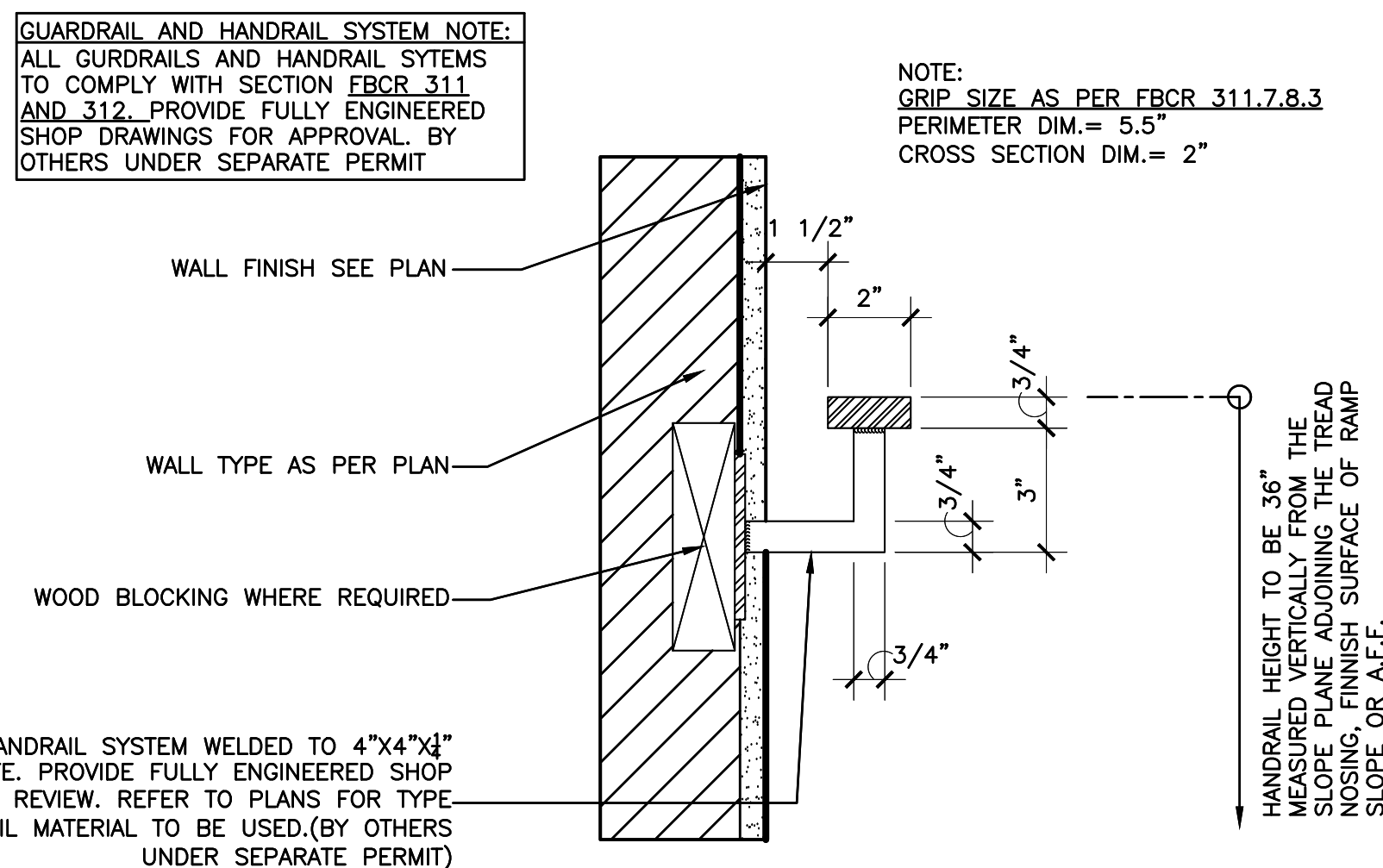
3 STAIR NOSING DETAIL
SCALE: 3"=1'-0"



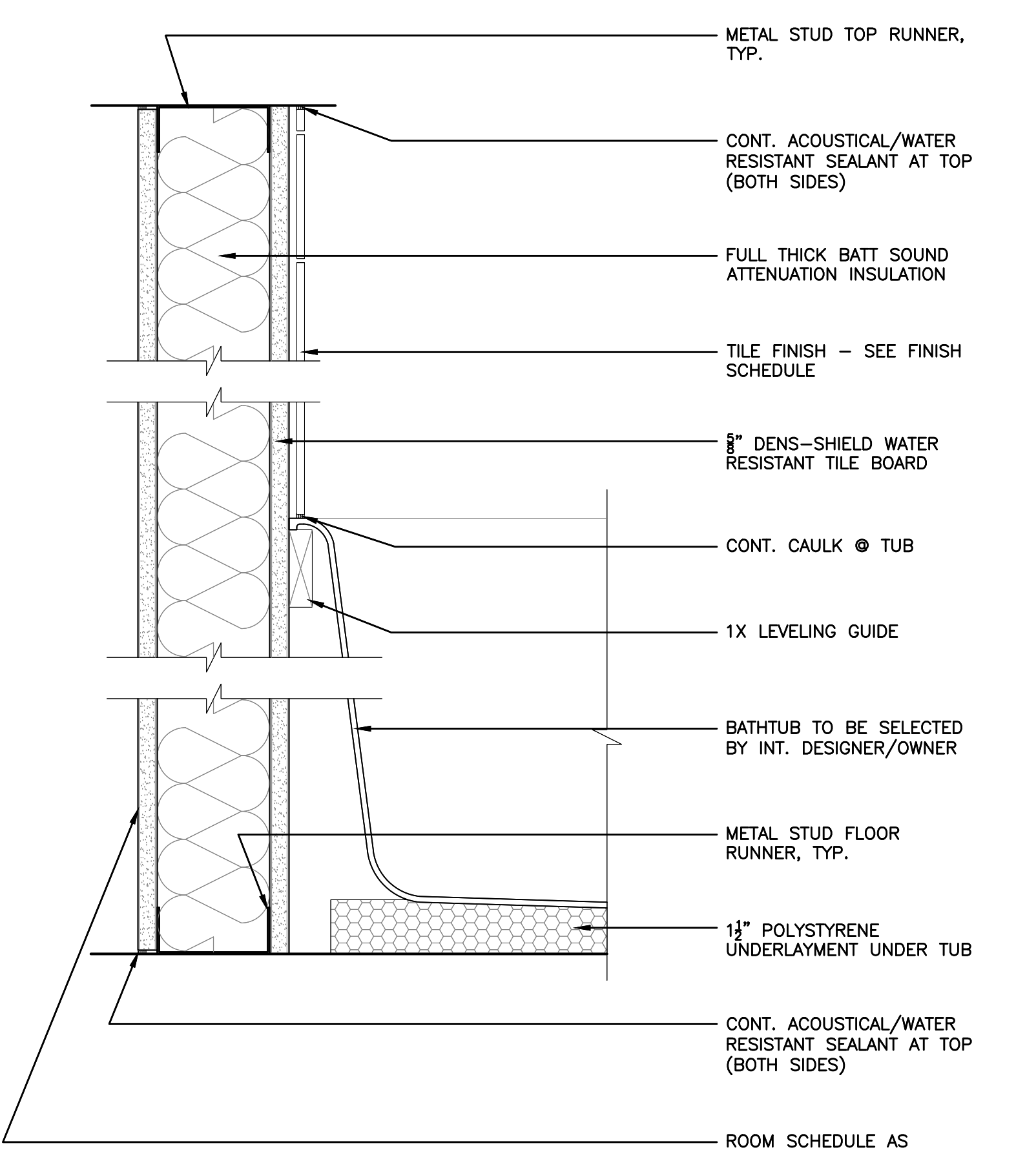
12 WD. DECK EDGE DETAIL
SCALE: 3"=1'-0"



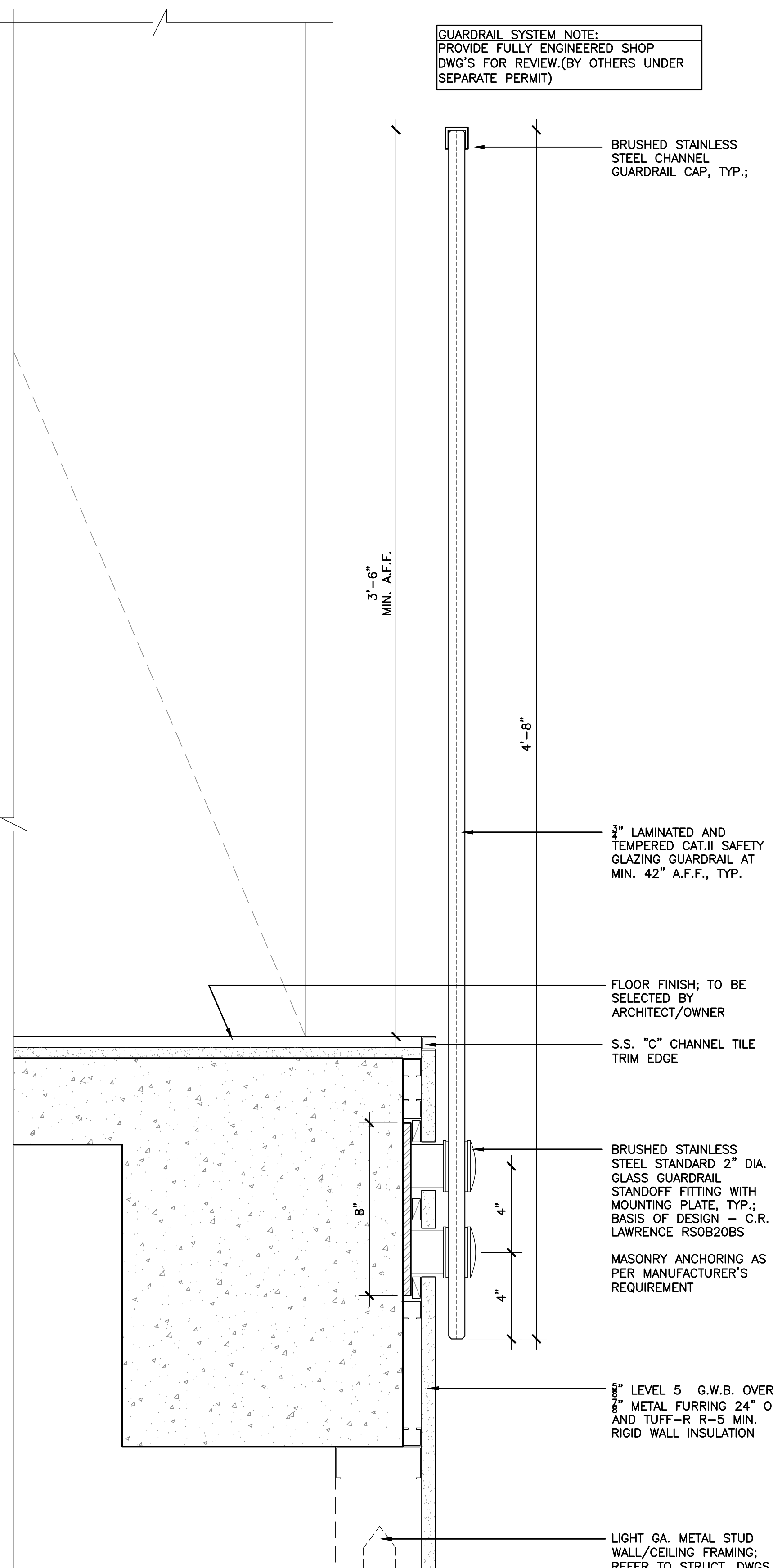
13 WD. DECK EDGE DETAIL
SCALE: 3"=1'-0"



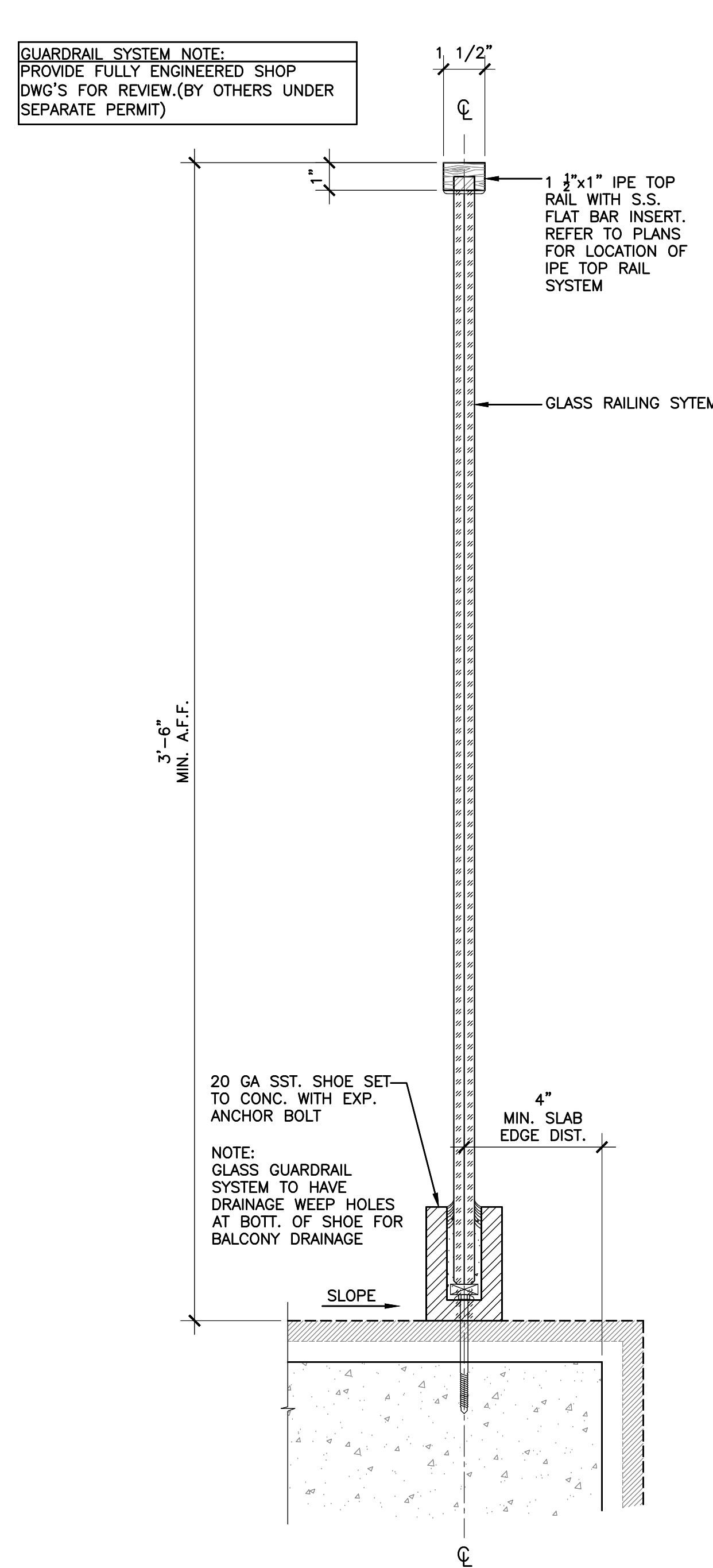
5 HANDRAIL DETAIL
SCALE: 3"=1'-0"



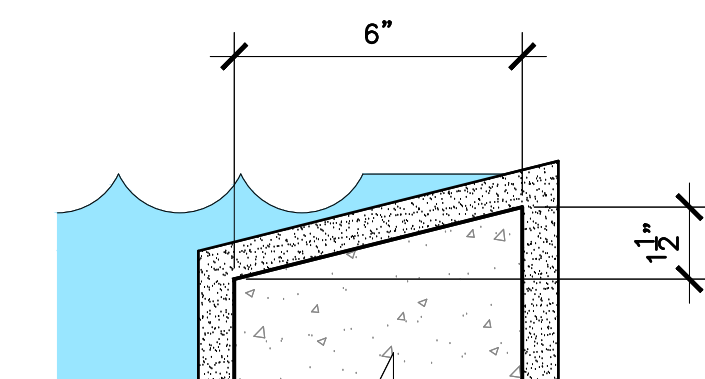
6 TUB DETAIL
SCALE: 3"=1'-0"



2 INT. GLASS GUARD RAIL DETAIL
SCALE: 3"=1'-0"



1 EXT. GLASS GUARD RAIL DETAIL
SCALE: 3"=1'-0"



14 POND EDGE DETAIL
SCALE: 3"=1'-0"

HYDRO BAN®
DS-663-1021

1. PRODUCT NAME
HYDRO BAN®

2. MANUFACTURER
LATICRETE International, Inc.
1 LATICRETE Park North
Bathurst, CT 06033-3423 USA
Telephone: +1 203 393 0010, ext. 1235
Toll Free: 1 800 243 4788, ext. 1235
Fax: +1 203 393 1684
Website: laticrete.com

3. PRODUCT DESCRIPTION
HYDRO BAN is a thin, fast-curing waterproofing/crack isolation membrane that DOES NOT require the use of fabric in the field, corners, HYDRO BAN is a single-component self-curing liquid rubber polymer that forms a flexible, seamless waterproofing membrane. HYDRO BAN bonds directly to a wide variety of substrates. Equipped with Microban Anti-Microbial Product Protection.

Uses

- Interior and exterior
- Swimming pools, fountains and water features
- Shower pans, stalls and tub surrounds
- Industrial, commercial and residential bathrooms and laundrys
- Spas and hot tubs
- Kitchens and food processing areas
- Terraces and balconies over unoccupied spaces

Advantages

- Countertops and facades
- Steam rooms (when used in conjunction with a vapor barrier)
- Allows for flood testing in 2 hours at 70°F (21°C) or higher (Refer to cautions section for more information on curing)
- Does not require the use of fabric (For gaps 1/8" (3 mm) or less see DS 663.5 for complete instructions)
- Thin, only 0.020-0.030" (0.5-0.8 mm) thick when cured
- Bonds directly to metal PVC and ABS plumbing features only
- Anti-facture protection of up to 1/8" (3 mm) over shrinkage and other non-structural cracks
- "Extra Heavy Service" rating per TCNA performance levels (RE, ASTM C627 Robustness Floor Test)
- Changes in color from a light sage to an olive green when cured
- Equipped with anti-microbial technology to protect the treated article
- Rapid drying for a faster time to tile
- Exceeds ANSI A118.10 and A118.12 (ASTM D4068)
- JAPMO PSI106 approved
- Install tile brick and stone directly onto membrane
- Lighter color for ease of inspection
- No-flammable

Suitable Substrates

- Cement Backer Board
- Cement Mortar Bed
- Cement Plaster
- Cement Terrazzo
- Concrete
- Concrete and Brick Masonry
- Poured Gypsum Underlayment
- Self-Leveling and Patching Compounds
- Exterior Gypsum Underlayment
- Gypsum Wallboard
- Ceramic Tile and Stone
- Clay Tile
- Vinyl Flooring
- Gypsum Plaster (Interior use only, non-wet areas)

Notes

- Concrete and brick masonry
- Shower pans, stalls and tub surrounds
- Industrial, commercial and residential bathrooms and laundrys
- Spas and hot tubs
- Kitchens and food processing areas
- Terraces and balconies over unoccupied spaces

F.7.3.12 - 0315 Data Sheets are subject to change without notice. For latest revision, visit laticrete.com

Packaging
Mini Unit: 4 x 1 gal (3.8 L) pails of liquid packed in a carton (30 cartons/pallet)
Commercial Unit: 5 gal (18.9 L) pail liquid (36 commercial units/pallet)
Approximate Coverage
Commercial Unit: 250 ft² (23.2 m²)
Mini Unit: 50 ft² (4.6 m²)

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).>

Commercial Unit: 5 gal (18.9 L) pail liquid (36 commercial units/pallet)
Approximate Coverage
Commercial Unit: 250 ft² (23.2 m²)
Mini Unit: 50 ft² (4.6 m²)

Limitations

- DO NOT bond to OSB, particle board, interior glue plywood, lean, Masonite® or hardwood surfaces.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use HYDRO BAN®.
- Do not use as a primary roofing membrane over occupied space. For more information on installation of tile over wood decks, or over occupied or finished spaces please refer to TDS 157 "Exterior Finished Tile and Stone Over Occupied Space."
- Do not use over dynamic expansion joints, structural cracks or cracks with vertical differential movement (See HYDRO BAN Installation Instructions, DS 663.5 for complete instructions).
- The installation of Waterproofing Membranes in submerged applications must be installed in a manner that creates a continuous "waterproof pan effect" without voids or interruptions. Therefore, applying waterproofing membranes in limited areas (e.g., solely at the waterline) in submerged applications is not recommended.
- Do not use over cracks >1/8" (3 mm) in width.
- Do not use over a vapor barrier (especially in steam rooms).
- Do not expose unprotected membrane to sun or weather for more than 30 days.
- Do not expose to negative hydrostatic pressure, excessive vapor transmission, rubber solvents or ketones.
- Must be covered with ceramic tile, stone, brick, dry pack thick bed mortar beds (non-submerged applications), terrazzo or other traffic-bearing finish. Use protection board for temporary cover.
- Obtain approval by local building code authority before using product in shower pan applications.
- Follow all applicable building codes having jurisdiction.
- Do not install directly over single layer wood floors, plywood subfloors/partitions or similar constructs.
- Not for use beneath cement or other plaster finishes. Consult with plaster manufacturer for their

recommendations when waterproofing membrane is required under plaster finishes.

- Not for use under self-leveling underlayments or decorative wear surfaces.
- Surfaces must be structurally sound, stable and rigid enough to support ceramic tile, thin brick and similar finishes.
- Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed 1/360 for thin bed ceramic tile/brick installations or 1/480 for thin bed stone installations and 1/600 for all exterior veneer applications where L-span length.

Cautions

- Consult SDS for safety information.
- Allow membrane to cure fully (typically 24 hours at 50°F - 60°F (10°C - 21°C) and 70% RH and 2 hours at 70°F (21°C) or higher and 50% RH before flood testing). Flood test prior to applying tile or stone.
- Maximum amount of moisture in the concrete substrate should not exceed 5 lbs./1,000 ft² (283 g/93 m²) per ASTM F-1869 or 75% relative humidity per ASTM F-2176 as measured with moisture probes.
- During cold weather, protect finished work from traffic until fully cured.
- For white and light-colored marbles, use a white Latex Portland Cement Thin Set Mortar.
- For green and moisture sensitive marbles, aggregate and resin backfill tile and stone use LATAPOXY® 300 Adhesive (refer to DS 633.0).
- Wet coat thickness is 0.015 to 0.022" (0.4 to 0.6 mm) per coat. Use a wet film thickness gauge to check thickness.
- Allow wet mortar to cure for 72 hours at 70°F (21°C) prior to installing HYDRO BAN. Allow HYDRO BAN a minimum 2 hours cure at 70°F (21°C) prior to flood testing in these conditions.
- Protect from exposure to traffic or water until fully cured.
- HYDRO BAN will go from a light sage green to a darker olive green when fully cured. The second coat should not be applied until the first coat is fully cured. All flood test areas should be after the second coat is fully cured with no light sage areas showing.
- After second coat is applied at 70°F (21°C) and 50% RH, the time to tile will vary depending on substrate, temperature and relative humidity.
- Sanding or screening may be needed when installing over mortar beds or self-leveling underlayments to remove lint, loose material, etc.

4. TECHNICAL DATA

Microban®
UPC®

F.7.3.12 - 0315 Data Sheets are subject to change without notice. For latest revision, visit laticrete.com

VOC/LEED Product Information
This product has been certified for Low Chemical Emissions (ULCOMING UL2818) under the UL GREENGUARD Certification Program. For Chemical Emissions. For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Approvals

- ICC Evaluation Service report ESR-2417
- APMO/Underlayment Code File No. 3524
- Los Angeles Board of Building and Safety Commission File Number: M070162
- City of Philadelphia Plumbing Adviser board Case Number 4624
- City of Tampa Construction Services Division
- Commonwealth of Massachusetts Board of State Examiners of Plumbers and Gasfitters
- Miami-Dade NDA

Applicable Standard

- ANSI A118.10 and A118.12

Physical Properties

***After second coat is applied at 70°F (21°C) and 50% RH. The time to tile will vary depending on substrate, temperature and relative humidity.

Substrate	Time to Tile (min.)***
Concrete	50
Cement Board	30
Fiber Cement Underlayment	15

Working Properties
Working Properties
HYDRO BAN® can be applied using a paint brush, roller or trowel. All areas must have two coats to ensure waterproofing capabilities. When using a paint roller, substrate will not show through HYDRO BAN if coated with 0.020 - 0.030" (0.5 - 0.8 mm) of dried membrane. Color change from a light sage to olive green when fully cured.

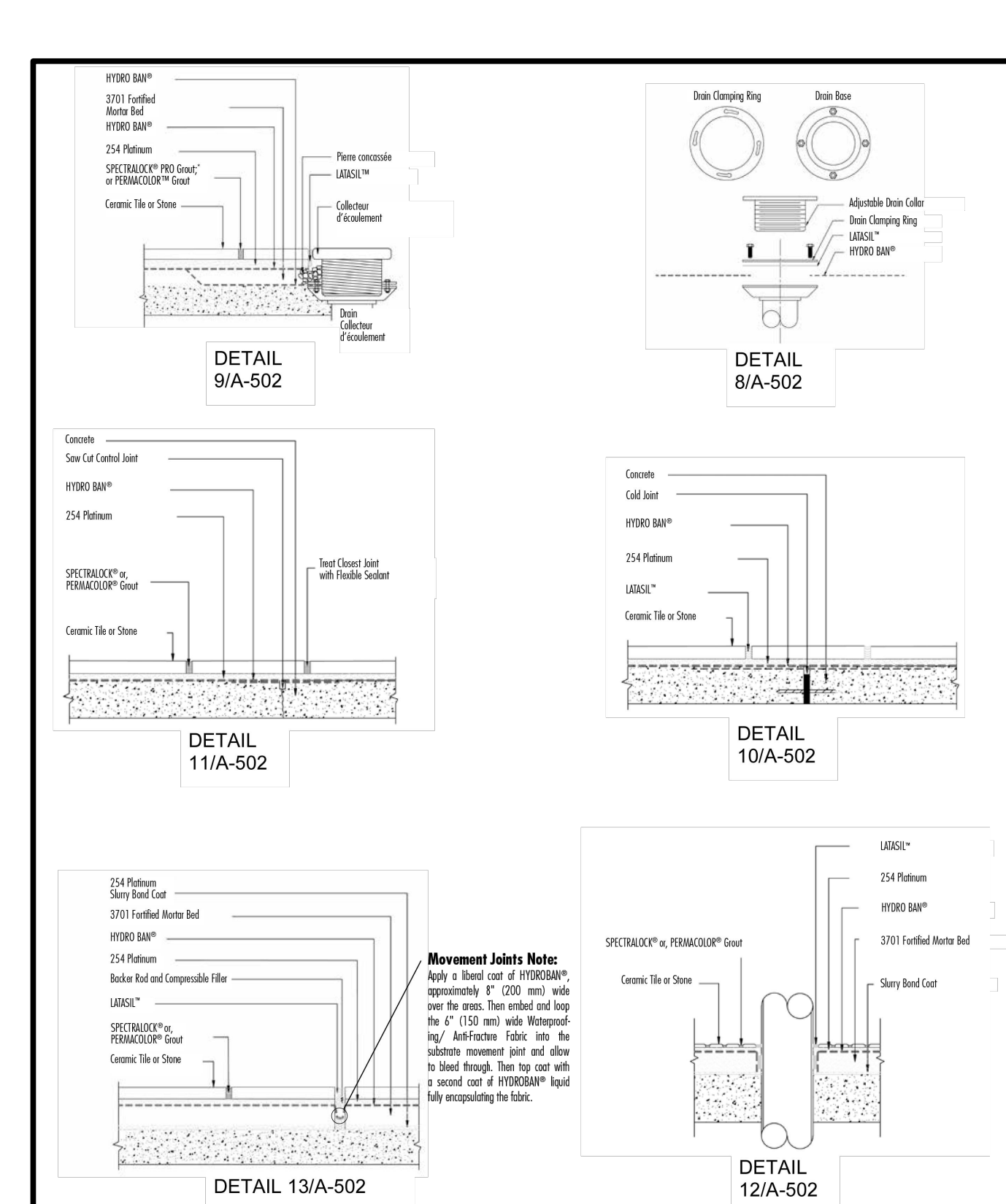
Notes

- Apply a final coat of HYDRO BAN® approximately 1" (25 mm) wide over the edge. Then install and top the 1" (25 mm) wide Membrane edge. Adhesive film into the substrate membrane and allow to bleed through. Then top up with a second coat of HYDRO BAN® until fully encapsulating the fabric.

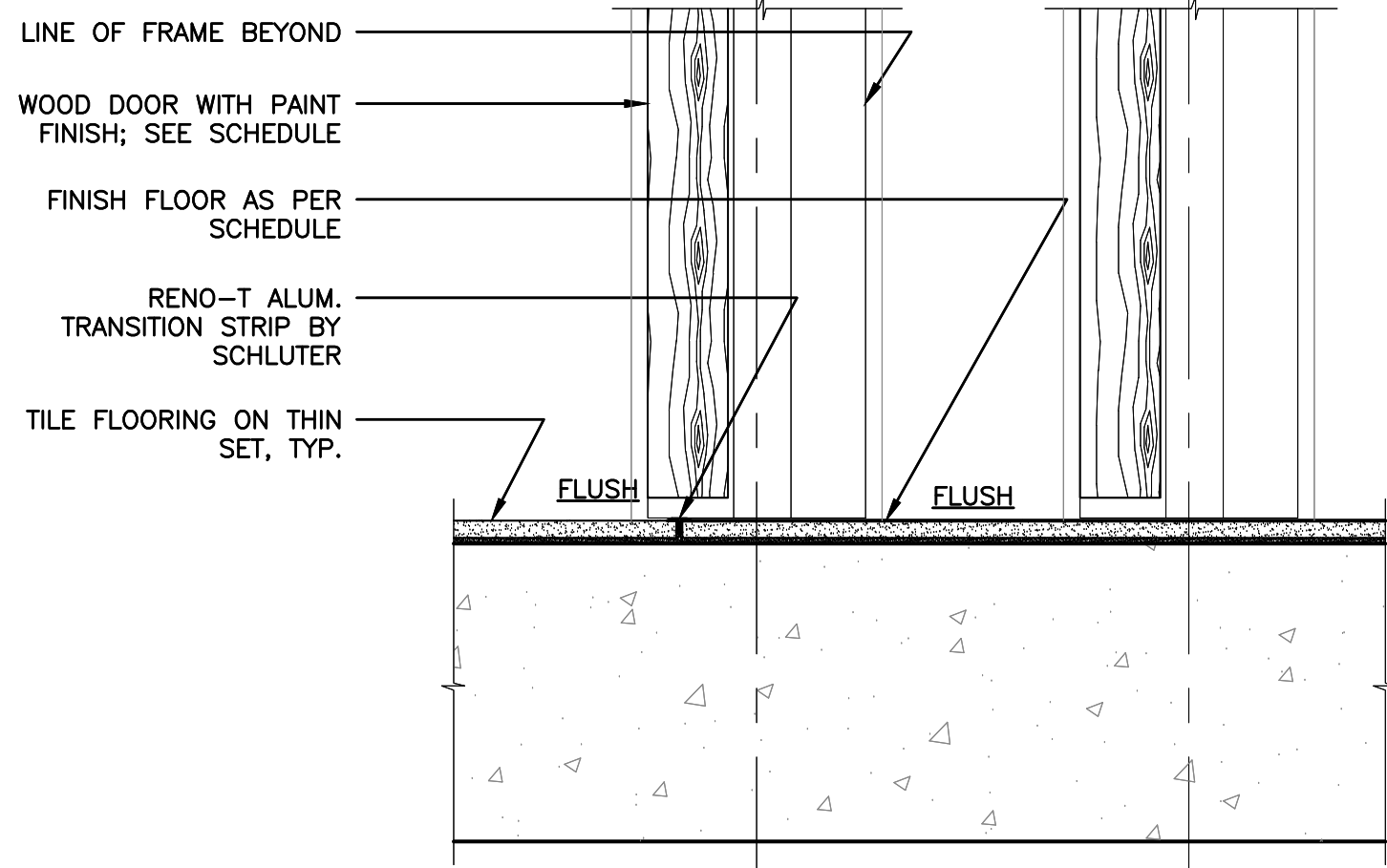
The data in the above table shall be used by the Project Design Professional to determine suitability, placement, building code conformance and overall construct appropriateness of a given installation assembly.

Specifications subject to change without notification. Results shown are typical but reflect test procedures.

F.7.3.12 - 0315 Data Sheets are subject to change without notice. For latest revision, visit laticrete.com



4 TRANSITION DETAIL
SCALE: 3"=1'-0"



FAO ARCHITECTURE
401 BISCAYNE BLVD. SUITE 404 MIAMI, FLORIDA 33131
P 786.443.5830

PROJECT NO: 2305

CLIENT: RONALDO FL2, LLC
1200 BISCAYNE BLVD. MIAMI, FLORIDA 33131

REVISIONS:

DESIGNER: CDS ENGINEERING GROUP, INC. STRUCTURAL ENGINEER
185 NW 108TH STREET MIAMI SHORES, FLORIDA 33168
MEP ENGINEERING
2020 PONCE DE LEON BLVD. SUITE 1002 CORAL GABLES, FLORIDA 33134
LANDSCAPE ARCHITECT
4450 NW 97TH COURT DORAL, FLORIDA 33178
NEW LEAF ENVIRONMENTAL, LLC
6A CERTIFIED ARBORIST
57 SILVER SPRINGS DRIVE KEY LARGO, FLORIDA 33037
TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST., SUITE 404 MIAMI, FLORIDA 33134

PROJECT DESCRIPTION:
SINGLE FAMILY RESIDENCE

DESIGNER: FAO ARCHITECTURE LLC

DATE: JUNE 4, 2024

SHEET TITLE: GENERAL DETAILS

SHEET: A-502

DATE: JUNE 4, 2024

SHEET TITLE: GENERAL DETAILS

SHEET: A-502