27-10 LA MESA POLICE DEPARTMENT GARAGE DECK WATERPROOFING

Recommendations for Phasing (highest to lowest priority):
Consistent with TLS Study and 7 work areas as presented in plan and detail

Phase 1 Apply New Waterproofing (Neogard or Equal) to Existing Hardscape Adjacent to Ex Structure and ADA Stalls

Phase 2 (Detail 1): Concrete Deck @ ADA Stalls and AC Drive Interface

a. Sawcut existing concrete patch at limit boundary of concrete deck to asphalt drive @ +/- 2' offset (distance to match ex conc curb along drive), excavate to depth per D-1
b. Install new membrane + fabric per D-1 along deck thickness and garage wall
c. Replace paving section with PCC, thickness to match ex deck, joint treatment per D-2.

Phase 3 (Detail 2): Concrete Deck / Cast in Place Walls @ ADA Stalls

a. If required by manufacturer spec, bead blasting / scrape surface clean
b. Prime and top coat existing deck and wall with Neogard coating per detail D-2, limits to include newly installed 2' PCC Section
c. All scupper locations and cast-in-place recesses to be coated
d. All portions of cast-in-place return wall at accessible ramp to receive Deco 30 Clear Sealant

Phase 4 (Detail 3): Concrete Deck Along Sidewalk @ Ex Street Grade

a. Limit of phase denoted on detail
b. Work includes removal of existing PCC sidewalk, salvage existing curb if viable
c. Recommend additional joint sealant at sidewalk / cmu wall interface
d. Recommend Deco 30 Clear Sealant of existing cmu wall, cap and joints (encompasses all wall portions along ramp)

Phase 5 (Detail 4): Sealing of Ramp from Patio Level to Street Grade

a. Remove existing hand railing where in conflict with sawcut / joint seal
b. Apply Deco 30 Clear Sealant on all cmu wall portions
c. Apply Neogard coating to all ramp portions

Phase 6 (Detail 6): Seal Hardscape / CMU wall interface (secure area)

a. Install filleted sealant cant
b. Apply Deco 30 Clear Sealant on all cmu wall portions
c. Apply Neogard coating to all portions of scupper drains

Phase 7 (Detail 7): Structure Flashing

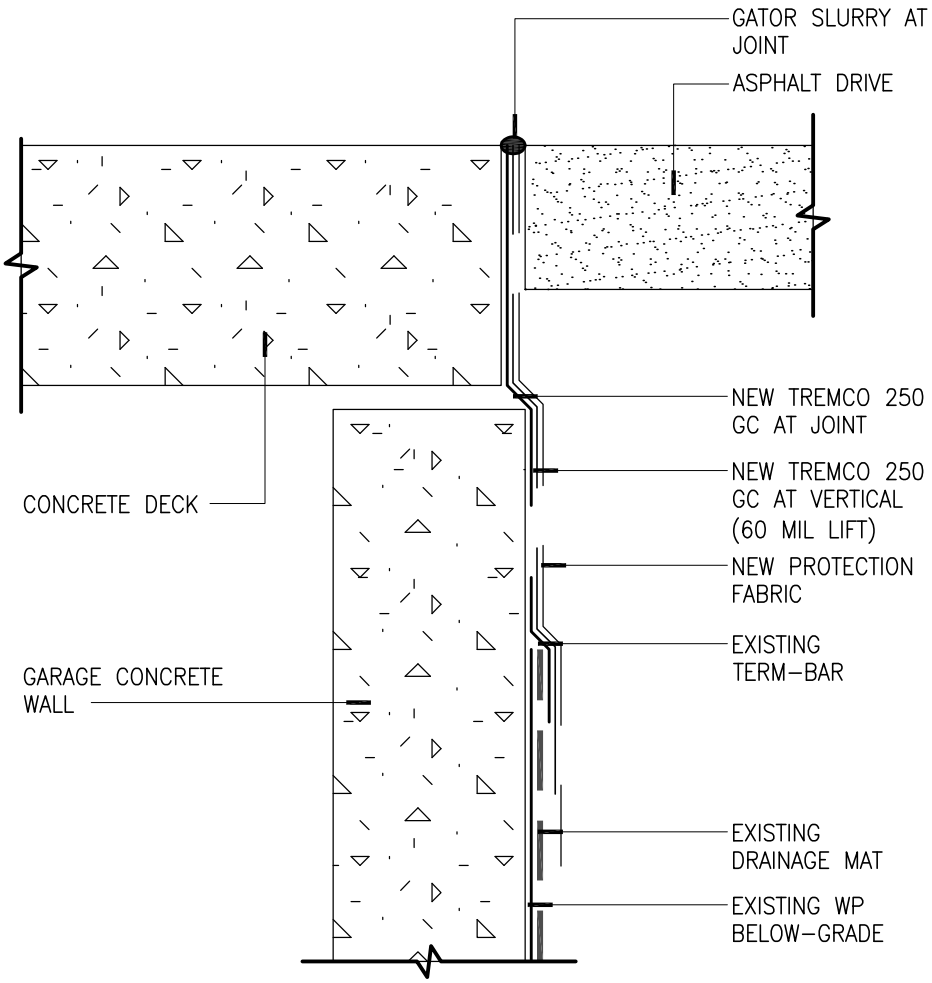
Phase 8 (Detail 5): Install sub-drainage system below existing pavers

a. Recommend removing existing pavers, installing waterproof membrane, and replacing top surface with Neogard coated concrete
b. If pavers + sub-drainage system are desired to be kept in place, City to provide details on outlet of drainage mat.

Other Items of Work:

1. General Contractor to inspect existing dry utility vaults and verify conduits serving building are not subject to water intrusion. Utility companies may need to be contacted for coordination / assignment of work.

1. REMOVE ASPHALT 2 FOOT BACK FROM STALLS.
2. REMOVE SUB-GRADE 2 FOOT PAST EXISTING VERTICAL WALL WP TERMINATION BAR.
3. CLEAN EXISTING WALL AND SLAB FACE TO INCLUDE JOINT INTERFACE.
4. INSTALL PRIMARY WP AT JOINT INTERFACE WITH TREMCO 250 GC.
5. INSTALL TREMCO 250 WP FROM TOP OF CONCRETE DECK TO LAP OVER EXISTING DRAIN-MAT (60 MIL).
6. INSTALL PROTECTION FABRIC OVER NEW WATERPROOFING.
7. BACK FILL AND PATCH ASPHALT.
8. INSTALL GATOR SLURRY AT JOINT OR SIMILAR.



Concrete Deck to Asphalt Drive

D1

SKETCH NO. :	01 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

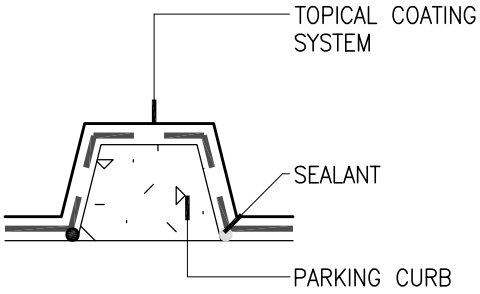
TITLE : Concrete Deck to Asphalt Drive

City of La Mesa Police Facility
8085 University Ave., La Mesa, CA 91942
TLS Labs
Laguna Niguel , CA

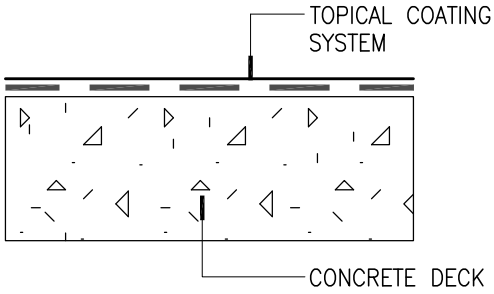
PERFORMANCE TESTED
TLS LABORATORIES

1. REMOVE EXITING TOPICAL COATING BY SCRAPPING AND BEAD BLASTING SURFACE CLEAN PER MFG.
2. INSTALL PRIMER OVER DECK AND VERTICAL WALL TO BELOW CAP WITH NEOGARD 7080.
3. INSTALL PRIMARY CANT AT DECK TO WALL PER MFG.
4. INSTALL PRIMARY JOINT AND CRACK TREATMENT PER MFG. (TO INCLUDE VERTICAL WALL).
5. INSTALL TOPICAL COATING TO DECK AND WALL WITH NEOGARD 7435 PER MFG.

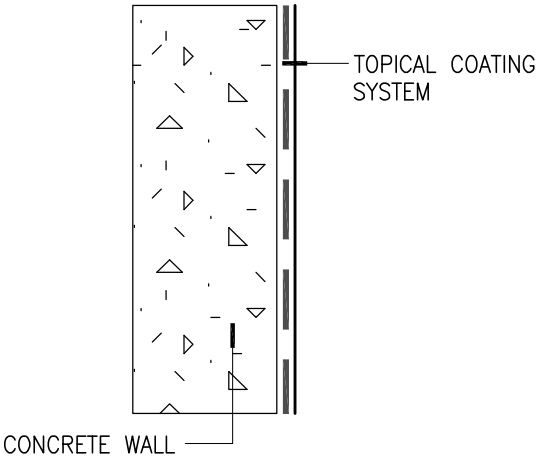
A. PARKING CURB



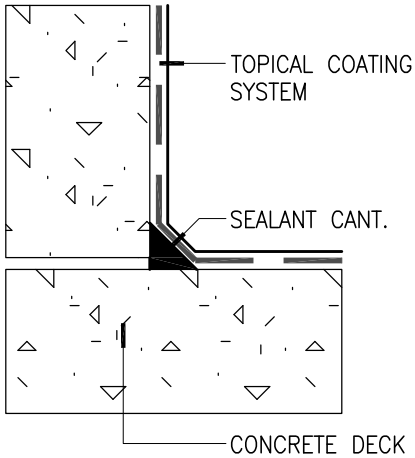
B. HORIZONTAL DECK



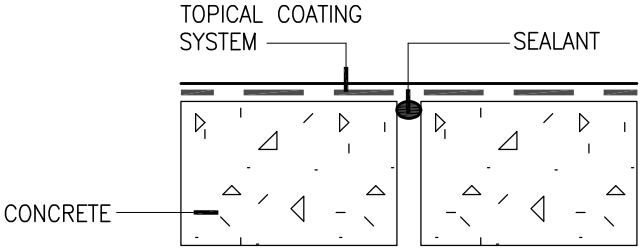
C. VERTICAL WALL



D. DECK WALL



E. JOINT TREATMENT



Concrete Deck Parking Stalls

D2

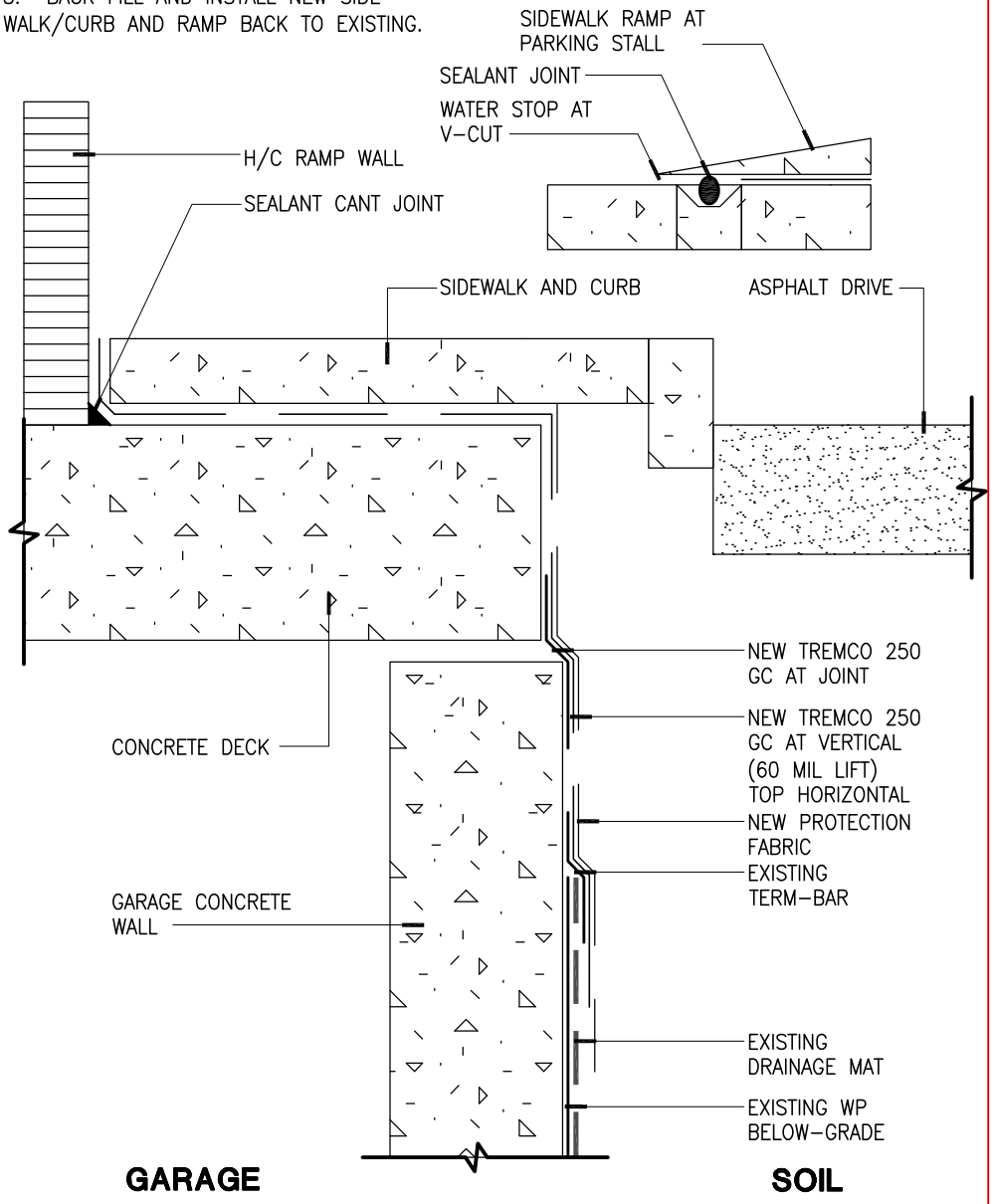
SKETCH NO. :	02 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

TITLE : Concrete Deck Parking Stalls

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TLS Labs
Laguna Niguel , CA

PERFORMANCE TESTED
TLS LABORATORIES

1. REMOVE SIDEWALK TO INCLUDE RAMP AT PARKING STALLS AND CURB/GUTTER.
2. REMOVE SUB-GRADE 2 FEET PAST EXISTING VERTICAL WALL WP TERMINATION BAR.
3. CLEAN EXISTING WALL AND SLAB FACE TO INCLUDE JOINT INTERFACE.
4. INSTALL PRIMARY WP AT JOINT INTERFACE AND DECK TO H/C RAMP CURB WALL WITH TREMCO 250 GC.
5. INSTALL WP FROM TOP OF CONCRETE DECK TO LAP OVER EXISTING DEAIN-MAT (60 MIL) AND ONTO HORIZONTAL DECK TO H/C/ RAMP CURB.
6. INSTALL SAW V-CUT IN DECK AT BOTTOM OF RAMP AND INSTALL TREMCO WATER STOP.
7. INSTALL PROTECTION FABRIC OVER NEW WATERPROOFING.
8. BACK FILL AND INSTALL NEW SIDE WALK/CURB AND RAMP BACK TO EXISTING.



Pedestrian Sidewalk Ramp

D3

SKETCH NO. :	03 OF 07
SCALE :	N.T.S.
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

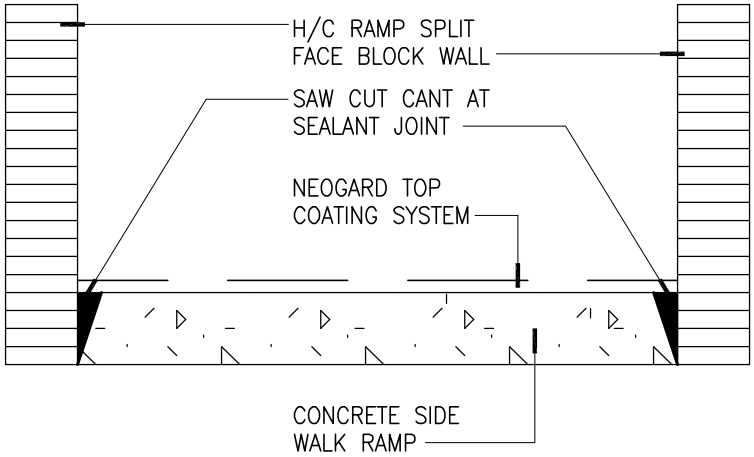
TITLE : Pedestrian Sidewalk Ramp

City of La Mesa Police Facility

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PERFORMANCE TESTED
TLS LABORATORIES

1. INSTALL SAW CUT CANT AT RAMP SIDEWALK TO WALL LOCATIONS.
2. CLEAN RAMP AND JOINT PER MFG SPECIFICATIONS.
3. INSTALL NEOGARD 7080 PRIMER PER MFG.
4. INSTALL PRIMARY DECK TO WALL JOINT SEALANT PER MFG. AT SAW CUT.
5. INSTALL NEOGARD 7435 TOP COATING SYSTEM PER MFG. OVER RAMP SIDEWALK



H/C Ramp Over Podium

D4

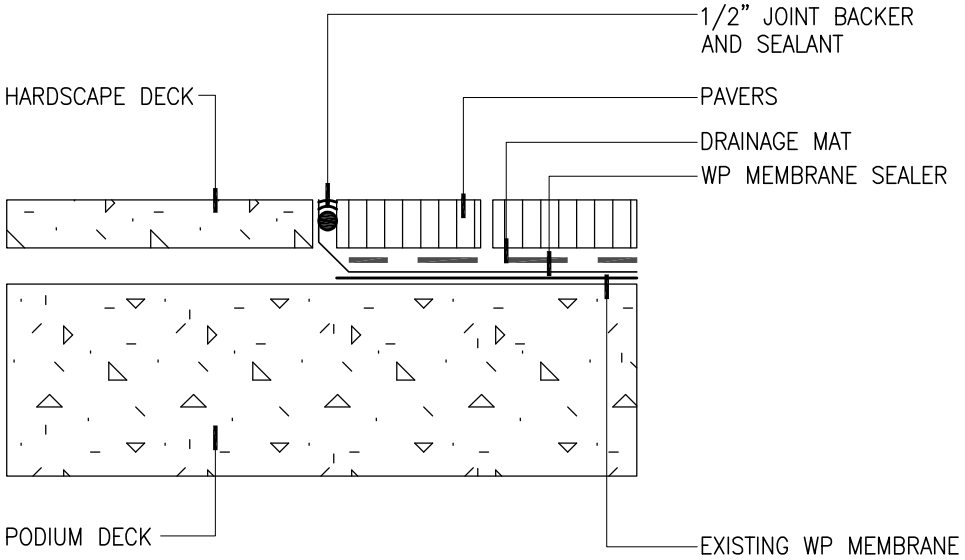
SKETCH NO. :	04 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

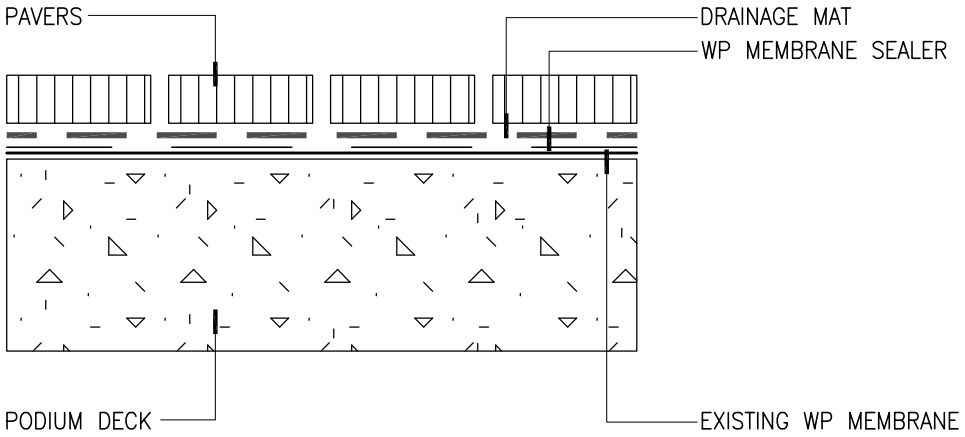
TITLE : H/C Ramp Over Podium

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PERFORMANCE TESTED
TLS LABORATORIES

1. REMOVE PAVERS.
2. CLEAN, TREAT AND PRIME OVER EXISTING MEMBRANE PER MFG. SPECIFICATIONS.
3. INSTALL WP SEALER COATING OVER EXISTING MEMBRANE PER MFG.
4. INSTALL WP TREATMENT TO DECK TO WALL LOCATIONS PER MFG.
5. INSTALL DRAINAGE MAT PER MFG.
6. REINSTALL PAVERS (NOTE: LEAVE 1/2" GAP AT HARDSCAPE JOINT.
7. INSTALL BACKER AND COMPATIBLE ELASTOMERIC SEALANT AT PAVER TO HARDSCAPE JOINT.





Paver Deck Over Podium

D5

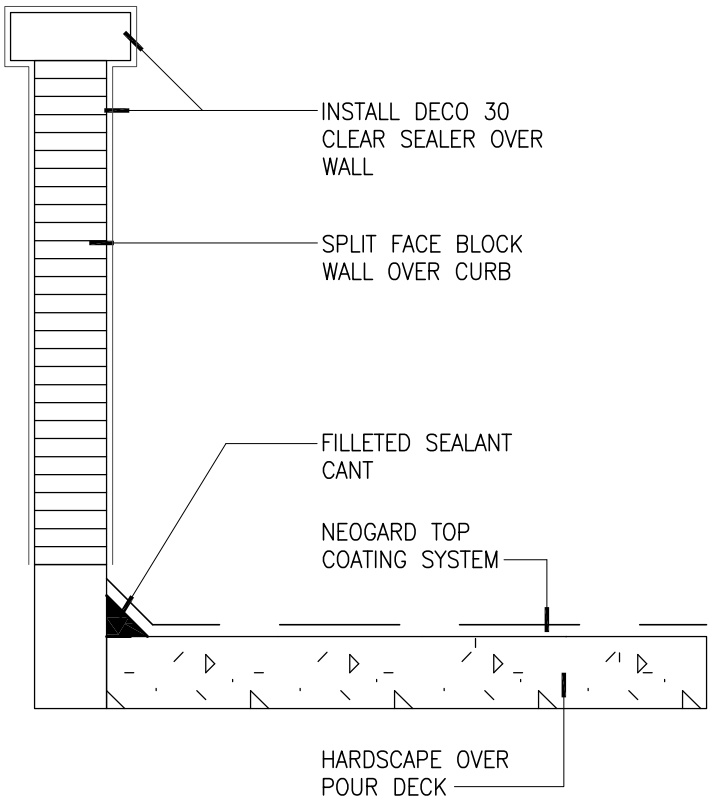
SKETCH NO. :	05 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

TITLE : Paver Deck Over Podium

City of La Mesa Police Facility
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Laguna Niguel , CA

PERFORMANCE TESTED
TLS LABORATORIES

1. SCRAP AND BEAD BLAST EXISTING TOPICAL COATING.
2. PREP AND TREAT CRACK, JOINTS AT HARDSCAPE SURFACE PER MFG.
3. INSTALL NEOGARD 7080 PRIMER PER MFG.
4. INSTALL FILLETED CANT DECK TO WALL LOCATION.
5. INSTALL NEOGARD 7435 TOP COATING SYSTEM PER MFG OVER HARDSCAPE SURFACE.
6. NOTE: TOPICAL COATING SYSTEM SHALL BE INSTALLED OVER GATE BASE PLATES AND FASTENER.
7. INSTALL DECO 30 CLEAR SEALER OVER SPLIT FACE BLOCK AND CAPPER MFG. SPECIFICATIONS.



Patio Walkway Hardscape Deck

D6

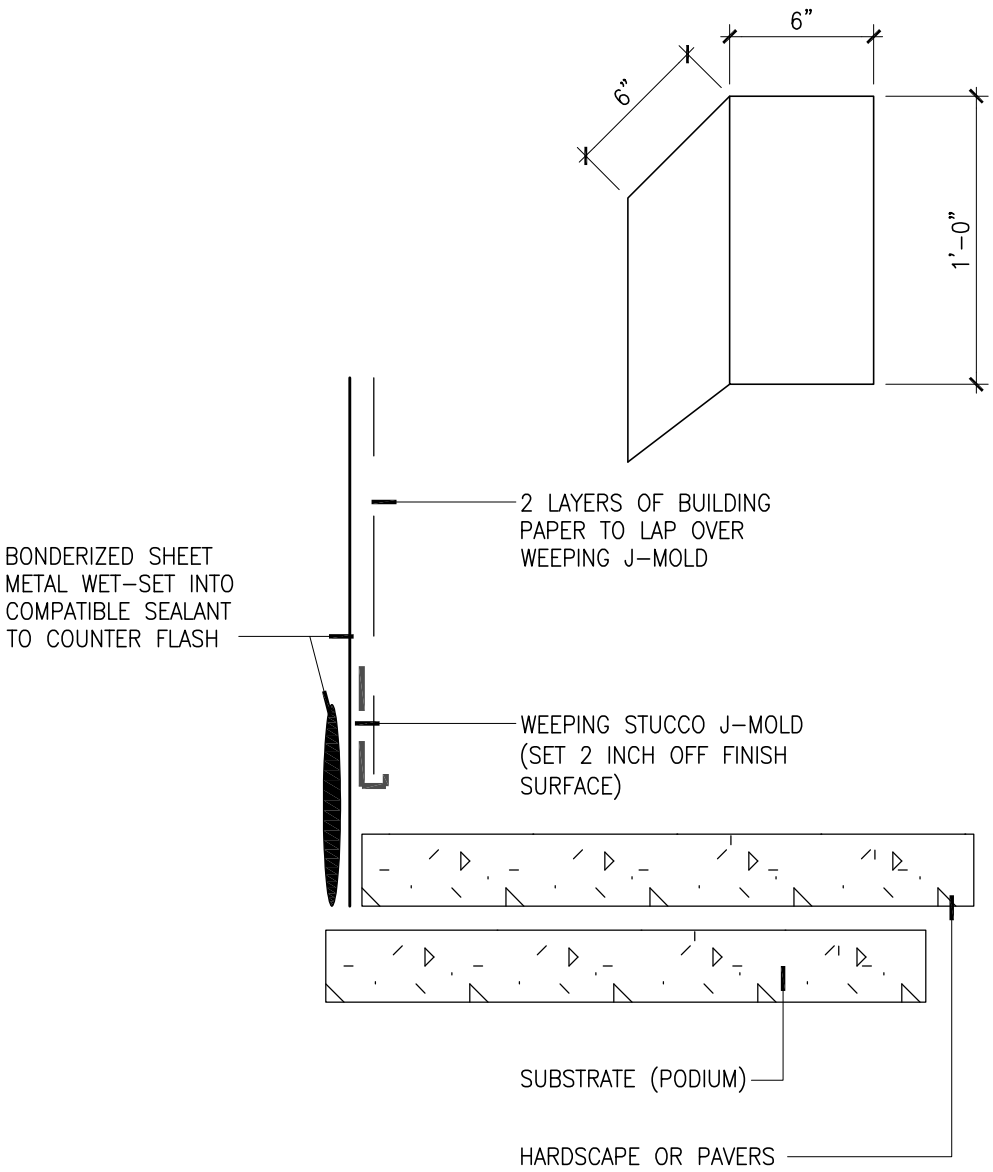
SKETCH NO. :	06 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

TITLE : Patio Walkway Hardscape Deck

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PERFORMANCE TESTED
TLS LABORATORIES

1. INSTALL 6 INCH X 6INCH X 12 INCH TALL ONE PIECE INSIDE CORNER SHEET METAL COUNTER FLASHING AT BASE OF WALL TRANSITIONS WITH WET–SET INTO NP1 AT CORNER (PER TLS REPORT TEST 6E LOCATIONS)



NOTE: ALL MATERIALS SHALL WRAP AROUND SEAMLESS (SHEET METAL TO USE LIQUID SOLDER OR 4 INCH WET–SET WITH NP1 SEALANT)

Base of Wall Transition Termination

D7

SKETCH NO. :	07 OF 07
SCALE :	1 1/2" = 1'-0"
PHASE :	-
JOB. NO. :	2012208
DATE :	10/26/2012

TITLE : Base of Wall Transition Termination

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PERFORMANCE TESTED
TLS LABORATORIES