

# HIGH MUSEUM OF ART

## WIELAND PAVILION

&

## ANNE COX CHAMBERS WING

SKYLIGHT ROOF REPLACEMENT  
1280 PEACHTREE STREET NE,  
ATLANTA, GA 30309

MERIK, INC.  
BUILDING CONSTRUCTION CONSULTANTS  
10/13/22 - ISSUE FOR CONSTRUCTION

### GENERAL NOTES:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE DESIGN PROFESSIONAL VIA RFI OF ANY ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES, AND CONFLICTS WITHIN THE DRAWINGS AND SPECIFICATIONS AND FIELD CONDITIONS NO LESS THAN 72 HOURS BEFORE THE BID IS DUE.
- CONTRACTOR IS TO VERIFY LAYOUT AND DIMENSIONS AND ALL CONDITIONS IN THE FIELD WHICH MAY AFFECT THEIR BID.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE REQUIRED TO VISIT THE PREMISES TO INSPECT EXISTING CONDITIONS, BECOME FAMILIAR WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CORRELATE OBSERVATIONS WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT THE BUILDING OCCUPANTS, MATERIALS AND EXISTING PROPERTY AND FINISHES. EXISTING-TO-REMAIN CONSTRUCTION, MATERIALS OR EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITION. CONTRACTOR TO DOCUMENT EXISTING CONDITIONS PRIOR TO THE START OF WORK AND SUBMIT RECORDS TO OWNER'S REPRESENTATIVE.
- DRAWINGS ARE INTENDED TO BE PRINTED AT 24x36
- DO NOT SCALE DRAWINGS - VERIFY ALL DIMENSIONS IN FIELD

### SYMBOLS:

X

TITLE

SCALE

DRAWING TITLE

1

A300

ENLARGED PLAN OR  
DETAIL MARKER  
OPP = OPPOSITE HAND  
TYP = TYPICAL SECTION  
SIM = SIMILAR TO

1

A300

ELEVATION MARKER  
OPP = OPPOSITE HAND  
TYP = TYPICAL SECTION  
SIM = SIMILAR TO

1

A300

SECTION MARKER  
OPP = OPPOSITE HAND  
TYP = TYPICAL SECTION  
SIM = SIMILAR TO

1

A300

REVISION CLOUD WITH REVISION  
NUMBER

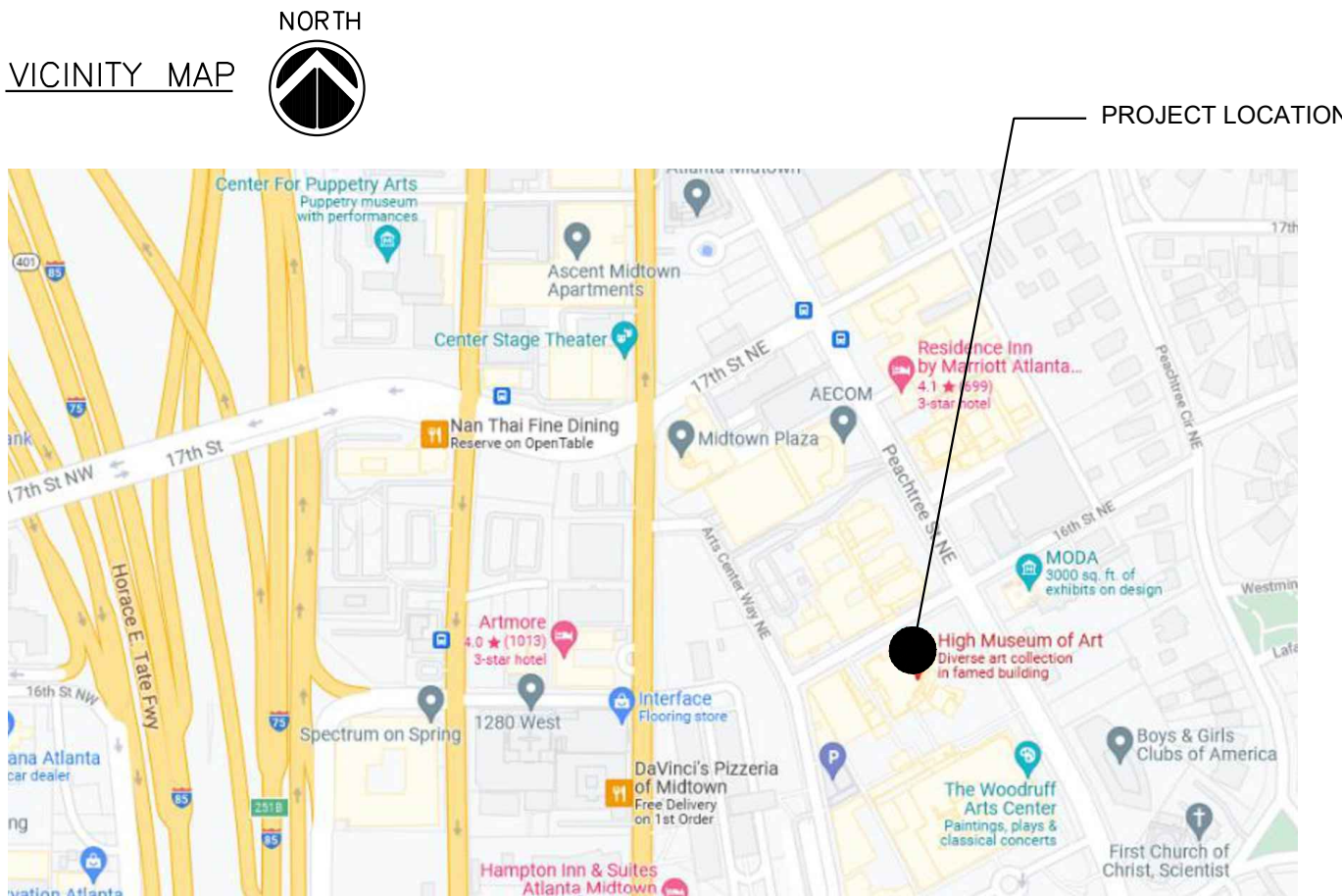
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A300

DETAIL MARKER  
OPP = OPPOSITE HAND  
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### ABBREVIATIONS:

<b>A</b>	ANCHOR BOLT	<b>E</b>	EACH	<b>P</b>	PLATE
ABV	ABOVE	EA	ELEVATION	PL	PLYWOOD
ADD	ADDENDUM	EL	ELECTRICAL	PT	PRESSURE TREATED
ADJ	ADJACENT	ELEC	ELECTRICAL		
AFF	ABOVE FINISHED FLOOR	EQ	EQUAL	<b>Q</b>	QTY
ALT	ALTERNATE	EQUIP	EQUIPMENT		QUANTITY
ANG	ANGLE	EW	EACH WAY		
APX	APPROXIMATELY			<b>R</b>	RADIUS
ASP	ASPHALT	<b>F</b>	FLOOR LEVEL	R	REFERENCE
ASPS	ASPHALT SHINGLE	FTG	FOOTING	REF	REQUIRED
				REV	REVISION
<b>B</b>	BOARD	<b>G</b>	GALVANIZED	RH	RIGHT HAND
BD	BELOW				
BEL	BITUMINOUS	<b>H</b>	HORIZONTAL	<b>S</b>	SIMILAR
BLDG	BUILDING	HOR	HORIZONTAL	SIM	SIMILAR
BL	BLOCKING LINE			SQ	SQUARE
BLKG	BLOCKING	<b>I</b>	INSIDE DIAMETER	SS	STAINLESS STEEL
BM	BEAM	ID	INSIDE DIAMETER	SSM	STANDING SEAM METAL
B.M.	BENCHMARK	IE	INVERT ELEVATION	STD	STANDARD
BOT	BOTTOM	IL	INVERT LEVEL		
BPL	BEARING PLATE	IO	INSPECTION OPENING	<b>T</b>	THICK
BTJT	BUTT JOINT	IP	INTERSECTION POINT	THK	THICK
BUR	BUILT-UP ROOFING	<b>J</b>	JOINT	TO	TOP OF
BW	BOTH WAYS	JT	JOINT	TS	TUBE STEEL
				TYP	TYPICAL
<b>C</b>	CEMENTITIOUS BOARD	<b>K</b>	KEY JOINT	<b>U</b>	UNDER SIDE
CBD	CUBIC FOOT	K.J.	KEY JOINT	U/S	UNLESS NOTED OTHERWISE
CF	CAST IN PLACE			UNO	UNLESS NOTED OTHERWISE
CIP	CAST IN PLACE	<b>M</b>	MAXIMUM	<b>V</b>	VERTICAL
CJ	CONTROL JOINT	MAX	MAXIMUM	VERT	VERIFY IN FIELD
CL	CENTER LINE	MFGR	MANUFACTURER		
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	<b>W</b>	WATER PROOF
CO	CLEAN-OUT	MISC	MISCELLANEOUS	WP	WATER PROOF
CONC	CONCRETE	<b>N</b>	NOT IN CONTRACT		
CONST	CONSTRUCTION	N.I.C.	NOMINAL	<b>SPECIAL CHARACTERS</b>	
CONT	CONTINUOUS	NOM	NOMINAL	" = DEGREES	
CT	CERAMIC TILE	NTS	NOT TO SCALE	Ø = DIAMETER	
CY	CUBIC YARD			# = NUMBER	
<b>D</b>	DIAMETER	<b>O</b>	ON CENTER		
DIA	DIAMETER	OC	ON CENTER		
DIM	DIMENSION	OD	OUTSIDE DIAMETER		
DN	DIAMETER NOMINAL	OPT	OPTIONAL		
DWG	DRAWING	OPP	OPPOSITE HAND		
DWG(S)	DRAWING/S				



### INDEX OF DRAWINGS

A000	COVER SHEET
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A100	ROOF PLAN - WIELAND PAVILION
A101	ROOF PLAN - ANNE COX CHAMBERS WING
A200	ENLARGED SKYLIGHT PLAN
A300	TYPICAL COATING DETAILS
A301	TYPICAL PENETRATION DETAILS
A302	SKYLIGHT SECTION
A303	PARAPET WALL SECTIONS
A304	SKYLIGHT AT PARAPET WALL SECTION

### APPLICABLE CODES AND STANDARDS

WORK SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE FOR THE CITY OF ATLANTA, GEORGIA, INCLUDING LOCAL AMENDMENTS. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS AND ARE REFERENCED BY THE BASIC DESIGNATION. IN THE CASE OF CONFLICTING REQUIREMENTS THE BUILDING CODE (IBC) SHALL GOVERN.

IBC	INTERNATIONAL BUILDING CODE, 2018 WITH GEORGIA AMENDMENTS
IECC	INTERNATIONAL ENERGY CONSERVATION CODE, 2015
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
ASTM	ASTM INTERNATIONAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
SMACNA	SHEET METAL & AIR CONDITIONER CONTRACTOR'S NATIONAL ASSOCIATION
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION

3225 SHALLOWFORD ROAD  
SUITE 620  
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Project: 21096  
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10/13/22 Issue for Construction

COVER  
SHEET

A000



PROJECT NOTES:  
1. Extent of Work Includes:  
BASE BID SCOPE OF WORK

A. General

- The Contractor shall provide a written disaster relief plan designating their agent for emergency response management. The responder will be a company operating in good standing with the State of Georgia DOAS. Refer to Section 013000 Part 1.17.

B. Section 024000 Demolition

- Remove and discard the existing sheet metal copings at the perimeter parapet walls. Retain the necessary representative pieces in good condition for fabrication of precise matching replacements.
- Remove the existing lightning protection system. Do not remove more lightning protection than necessary for four (4) weeks of work.
- Completely remove the existing waterproofing from the roof, parapet walls, scuppers, skylights, penetrations, top of wall conditions, etc. at roof areas shown on the construction drawings.

C. Section 030100 Concrete Restoration

- Shot blast, scarify, or hand prepare concrete surfaces to provide a sound substrate free from laitance, carbonated concrete, residue from bitumen, coal tar, primer, coatings, adhesives, sealer, or any material that may inhibit adhesion of the specified primer. Generate a concrete surface profile of CSP-2 to CSP-4 as defined by ICRI. Grinding may be used as a preparation method for localized areas that cannot be reached by shot blasting equipment provided that a surface profile of CSP-2 to CSP-4 can be generated. The surface profile of the existing concrete shall be in accordance with the manufacturer's requirements and specified in 071813.
- Before application of the waterproofing membrane, and after priming, fill all joints, cracks, voids, fractures, depressions, small indentations, and low areas in the substrate using the specified paste or repair mortar. Follow the paste or repair mortar manufacturer's published minimum and maximum product thickness limitations per lift. The repair allowance is for unexpected deterioration, cracking, or other major defects of the substrate and not intended for careless demolition by the contractor or any filling and patching reasonably expected or required to install the specified system.

D. Section 071813 Exposed Liquid Applied Waterproofing

- Perform a mock-up of the full waterproofing assembly, 4 skylights minimum, adjacent to and encompassing a parapet wall and scupper, that will be tested for performance compliance before work substantially begins.
- Clean and prepare existing penetrations, scuppers, skylights, etc. to receive new waterproofing.
- Prime all surfaces and install new fully-reinforced polymethyl methacrylate (PMMA) traffic bearing waterproof membrane system with broadcast glass texture bead aggregate and color finish. Color to be selected from manufacturer's standard palette of colors.
- Install new PMMA membrane flashings and associated sealants at perimeter wall conditions, drains, scuppers, parapet wall bases, fenestration, curbs, and penetrations.

F. Section 076000 Flashing and Sheet Metal

- Install new Kynar finished sheet metal coping with membrane underlayment at top of parapet walls.
- Install new Kynar finished sheet metal counter-flashings.

I. Section 079200 Sealants and Caulking

- Install the specified sealant at locations indicated in the construction drawings.

J. Section 099100 Painting

- Clean and paint / touch-up any surfaces scratched, dinged, or damaged during construction.
- Clean, prepare, and paint unfinished rooftop metal such as unistrut, davit bases, stanchions, etc.

K. Section 264100 Lightning Protection

- Replace existing lightning protection system with all new materials and components.
- Install temporary cables/fixtures as required to maintain the lightning protection system in a functional condition, throughout the duration of the project.
- Lightning protection removal, temporary maintenance, and replacement shall be executed and supervised by a company specializing in the installation of lightning protection systems, listed in the current UL Electrical Construction Directory, and listed in the Lightning Protection Institute Directory as a Master Installer / Designer.

L. Miscellaneous

- Inspect existing parapet wall outlets for functionality. Identify non-working fixtures for repair by Owner.
- Replace all electrical box covers with TayMac MX3200 or approved equivalent.

M. Alternates, Allowances and Unit Prices

- Refer to Section 012300 - PRICE AND PAYMENT PROCEDURES.

\* SEE SPECIFICATIONS FOR FULL EXTENT OF WORK.

2. Existing structure to remain. Contractor to verify integrity of existing structure and notify owner if any of the proposed new work will adversely affect the existing structure.

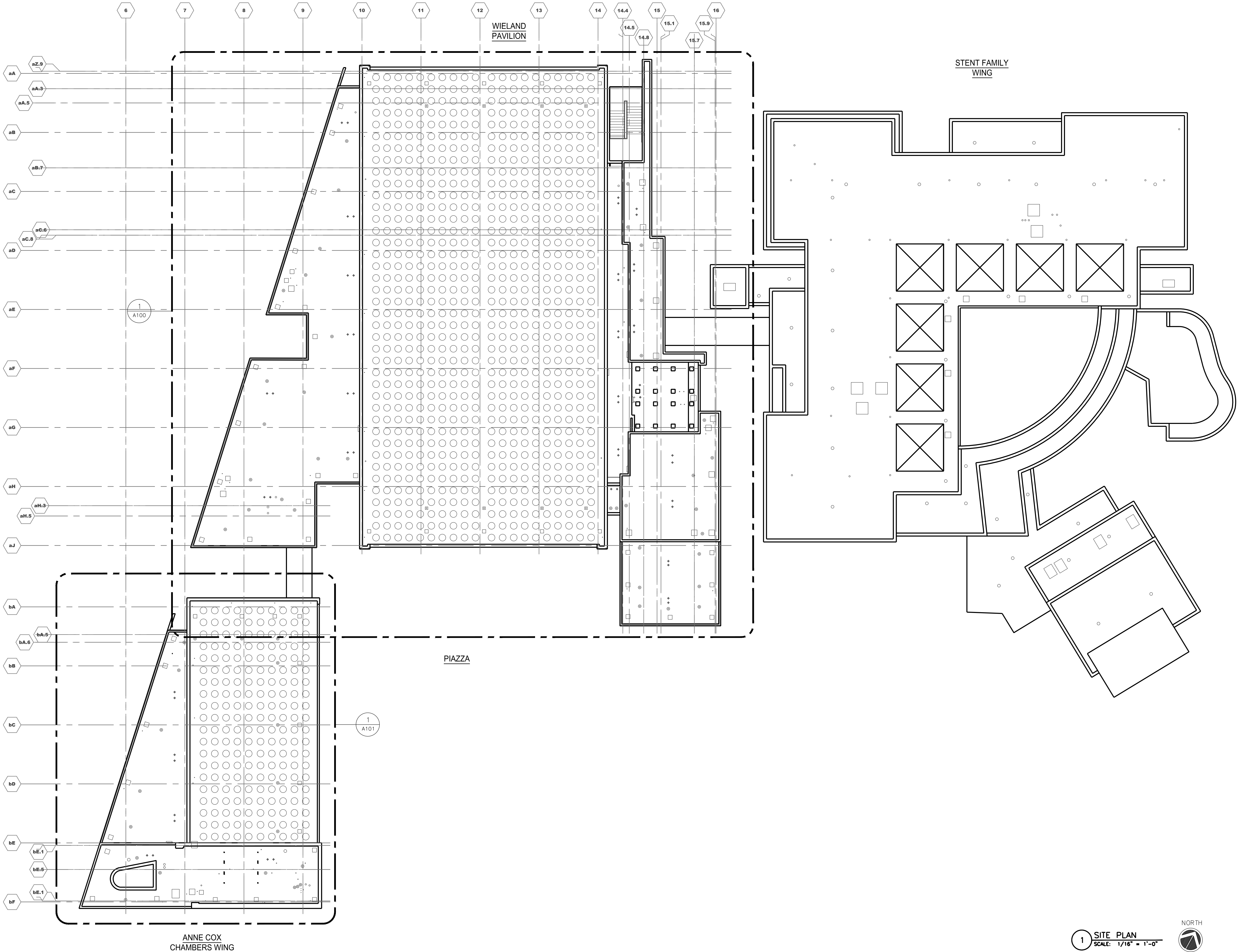
3. Protect from damage existing finish work that is to remain in place. If it becomes damaged during demolition promptly repair damage caused to facilities by demolition.

4. Conduct demolition operations and debris removal to ensure minimum interference with walks, roads, and occupied spaces, and adjacent facilities.

5. Contractor shall verify existing structure prior to submittal of bid and prior to any demolition operations.

6. Contractor to verify all conditions and elements prior to submitting bid.

7. DO NOT SCALE DRAWINGS - VERIFY ALL DIMENSIONS IN FIELD





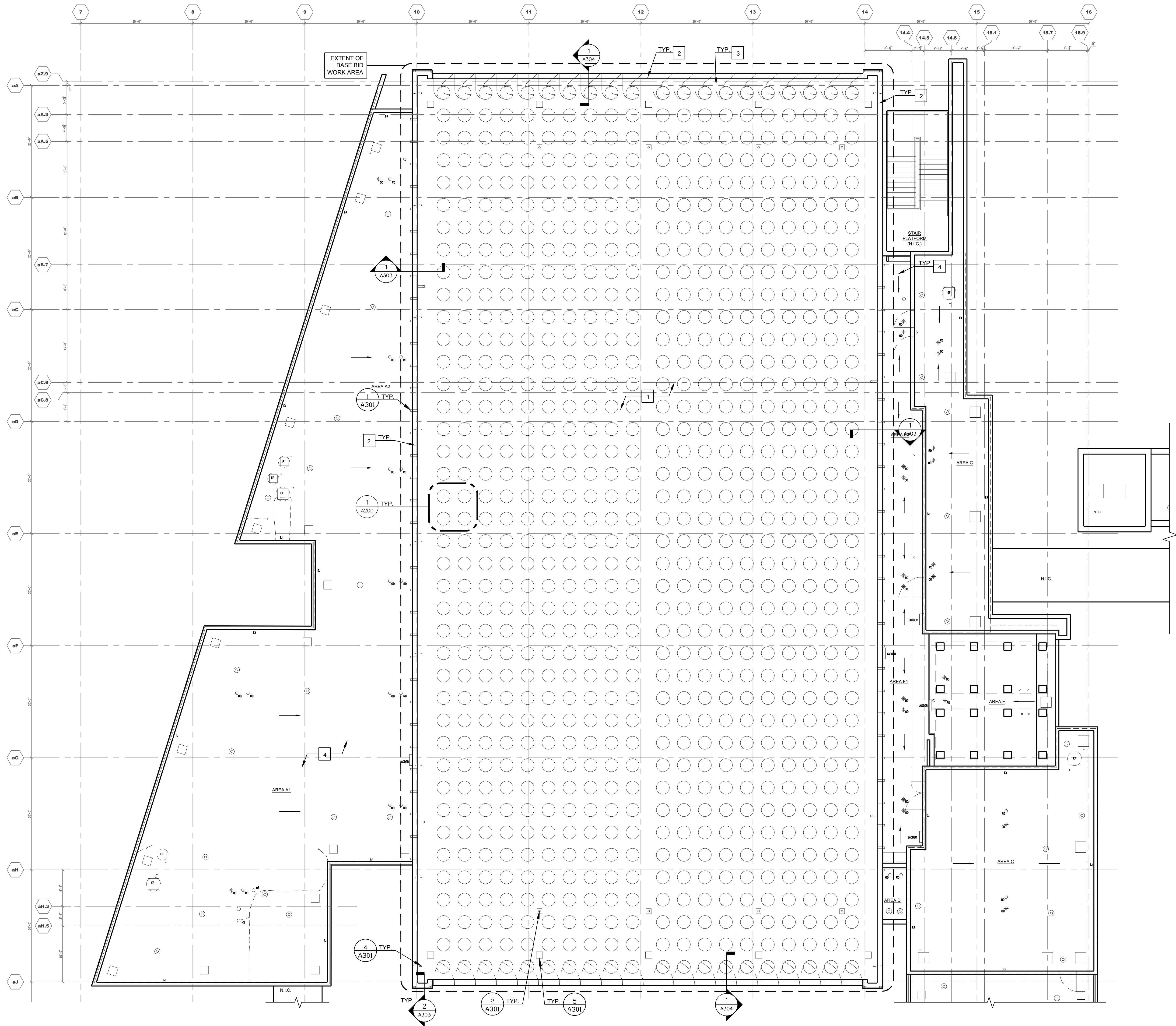
- KEY NOTES:
- 1 Remove existing waterproofing system completely down to the bare lightweight concrete topping slab and install a new Terapro reinforced liquid-applied waterproofing system as specified. See Detail 1/A300 for typical assembly.
  - 2 Remove existing sheet metal copings to extend new waterproofing system up and over top of all perimeter parapet walls. Install new manufactured sheet metal copings and components to match existing profile, materials, and color of existing.
  - 3 Existing Velas at perimeter parapets are to remain in place undisturbed. Removal is not permitted. All Velas and skylights to be protected at all times during work.
  - 4 Adjacent roof areas may be utilized as staging and storage areas with Owner's approval. Roof areas used for staging, storage, or within trafficked areas must be fully protected at all times

LEGEND: (NOT ALL USED)

	RAISED CURB
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	SCUPPER
	CURB MOUNTED EQPM (VENT OR FAN)
	PITCH PAN
	HOT STACK
	VENT THROUGH ROOF
	DOWNSPOUT
	PIPE PENETRATION
	EXTERIOR LADDER
	GUY WIRE / ANCHOR
	HATCH
	SLOPE DIRECTION
	EXPANSION JOINT
	SKYLIGHT
	AIR CONDITIONING UNIT
	HOOD ENCLOSURE FOR HVAC PLUMBING AND ELECTRICAL LINE PENETRATIONS
	TYPICAL - INSTALL TAPERED INSULATION CRICKET ON THE UPSLOPE SIDE OF ALL CURBED UNITS

1 ROOF PLAN - WIELAND PAVILION  
SCALE: 1/8" = 1'-0"

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ALL DIMENSIONS IN FIELD



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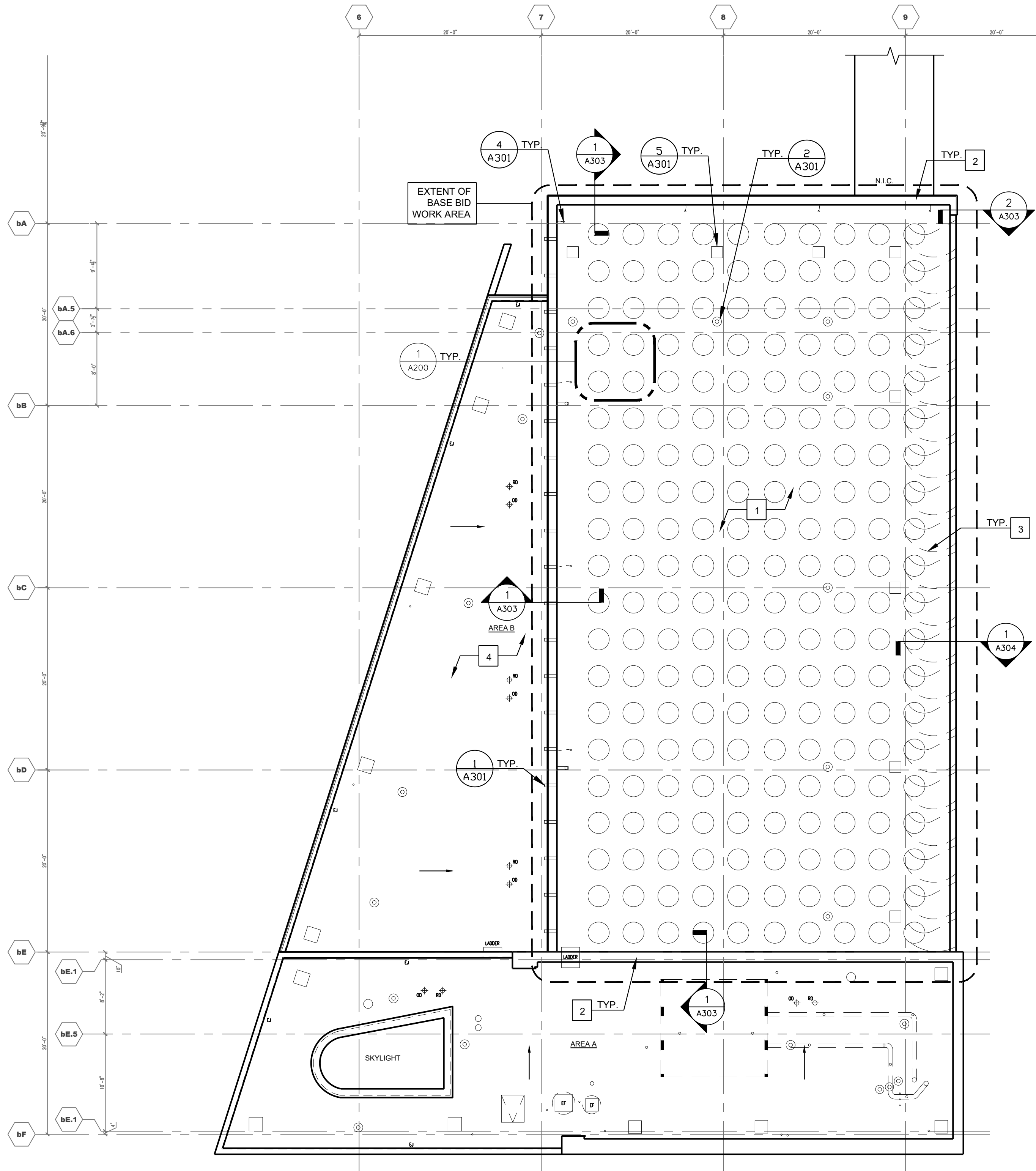
ROOF PLAN -  
WIELAND  
PAVILION

A100

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SCALE: 1/8" = 1'-0"



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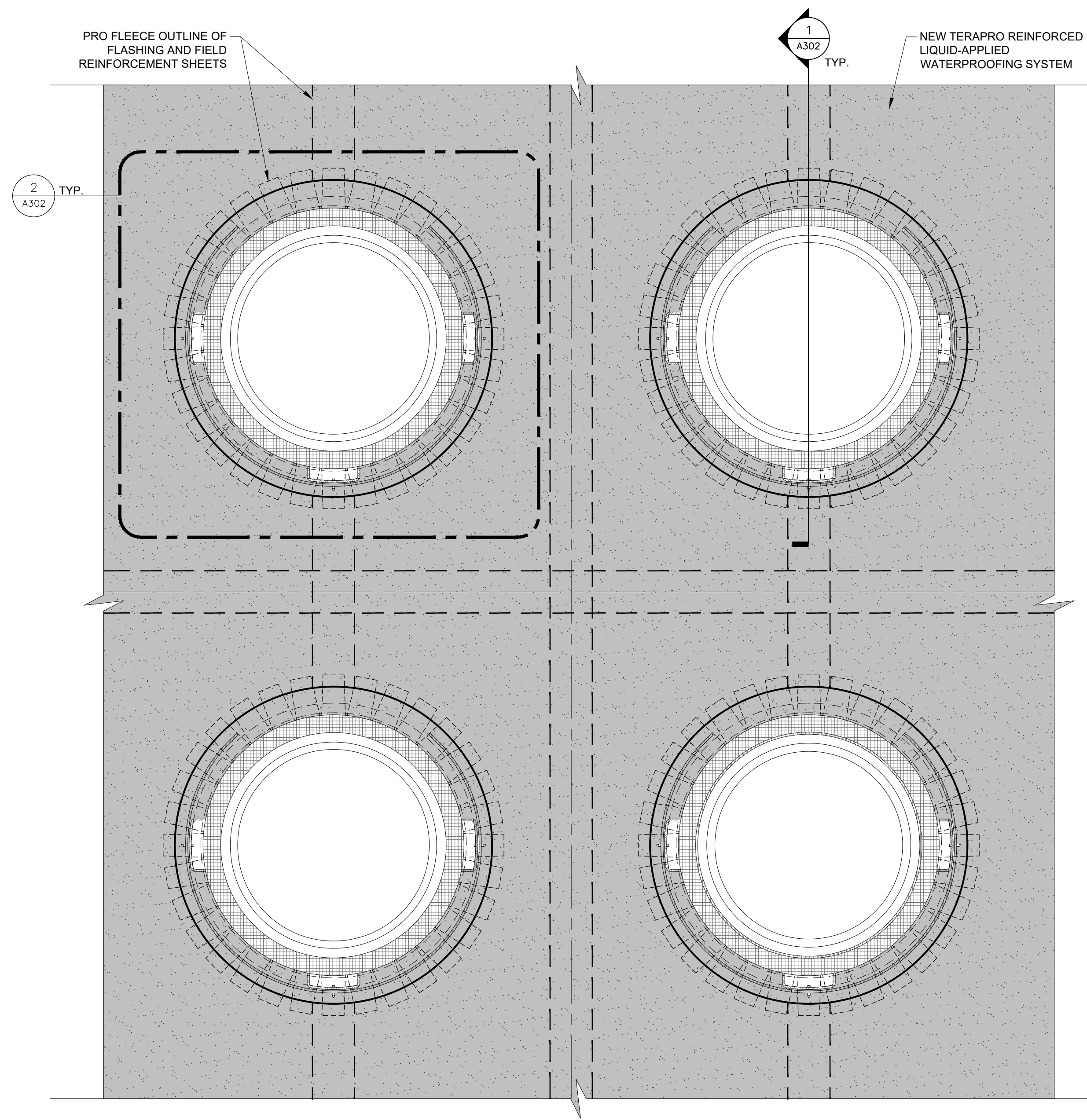
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ROOF PLAN -  
ANNE COX  
CHAMBERS WING

A101





NOTE:  
OVERLAP FLEECE 2" TO EITHER SIDE OF CENTER. CUT FIELD  
FLEECE WITHIN 1" OF THE SKYLIGHT TUBE. CREATE A SMOOTH AND  
SEAMLESS MEMBRANE APPEARANCE AS MUCH AS POSSIBLE.

1 TYPICAL SKYLIGHT PLAN  
NOT TO SCALE

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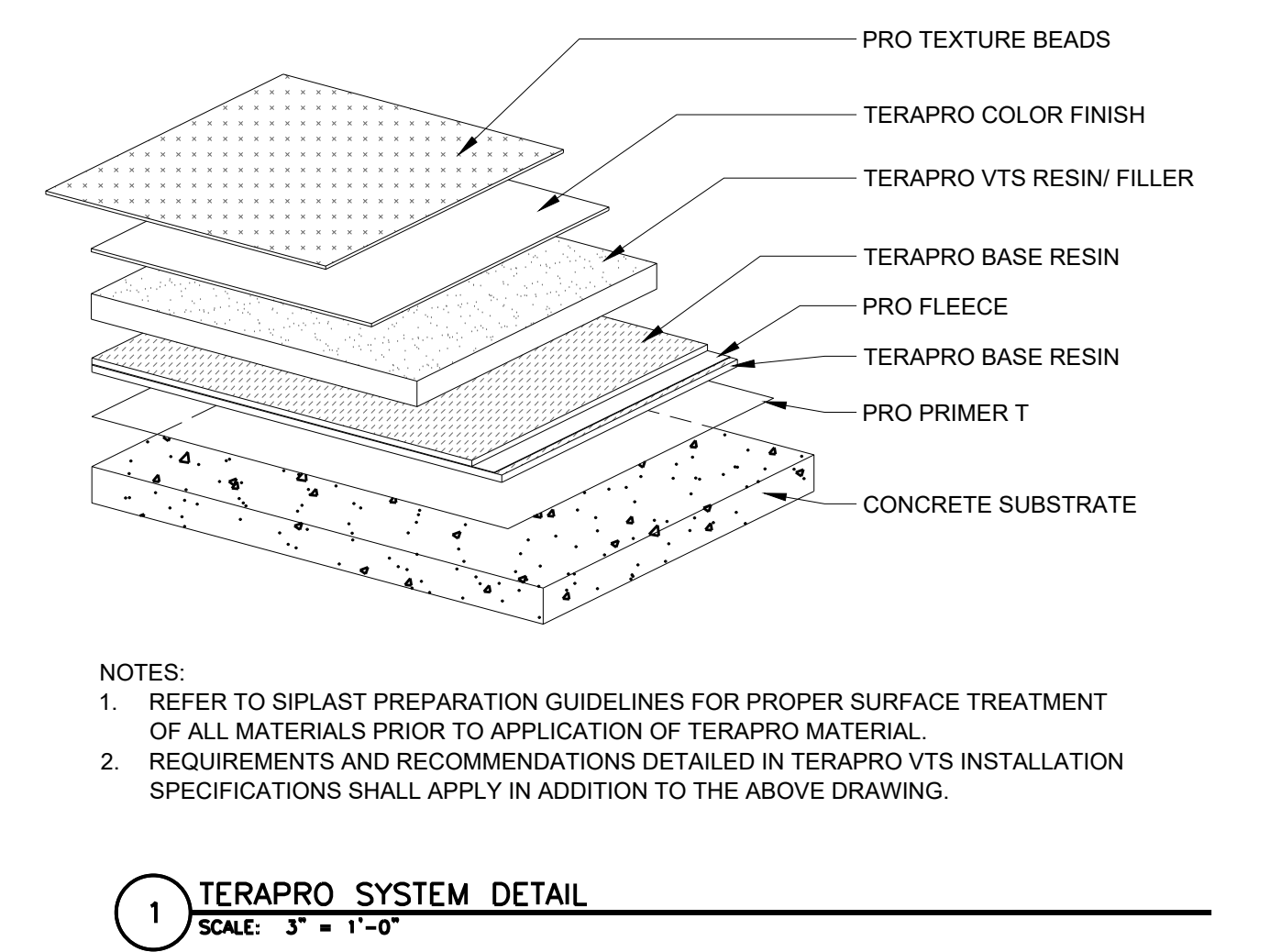
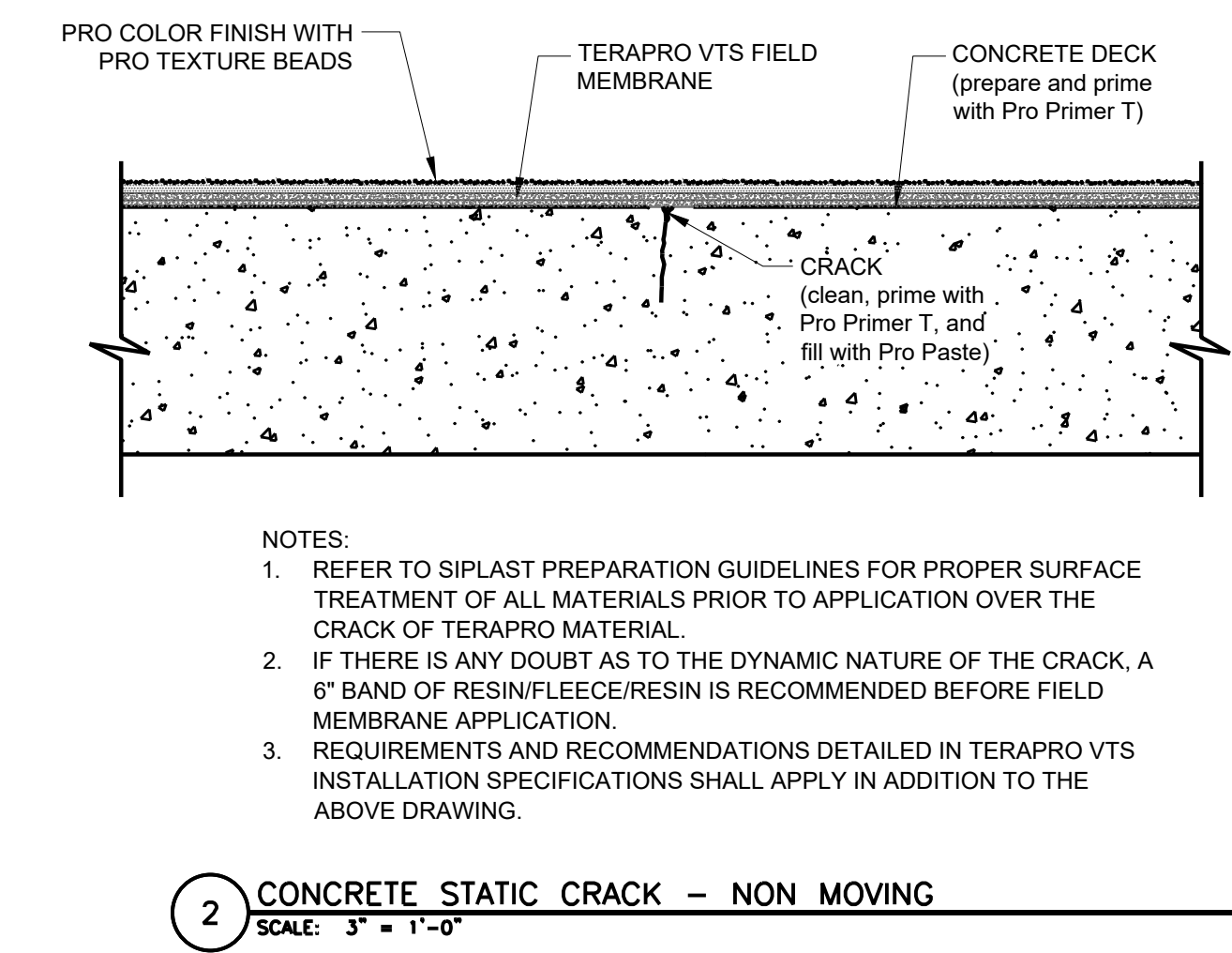
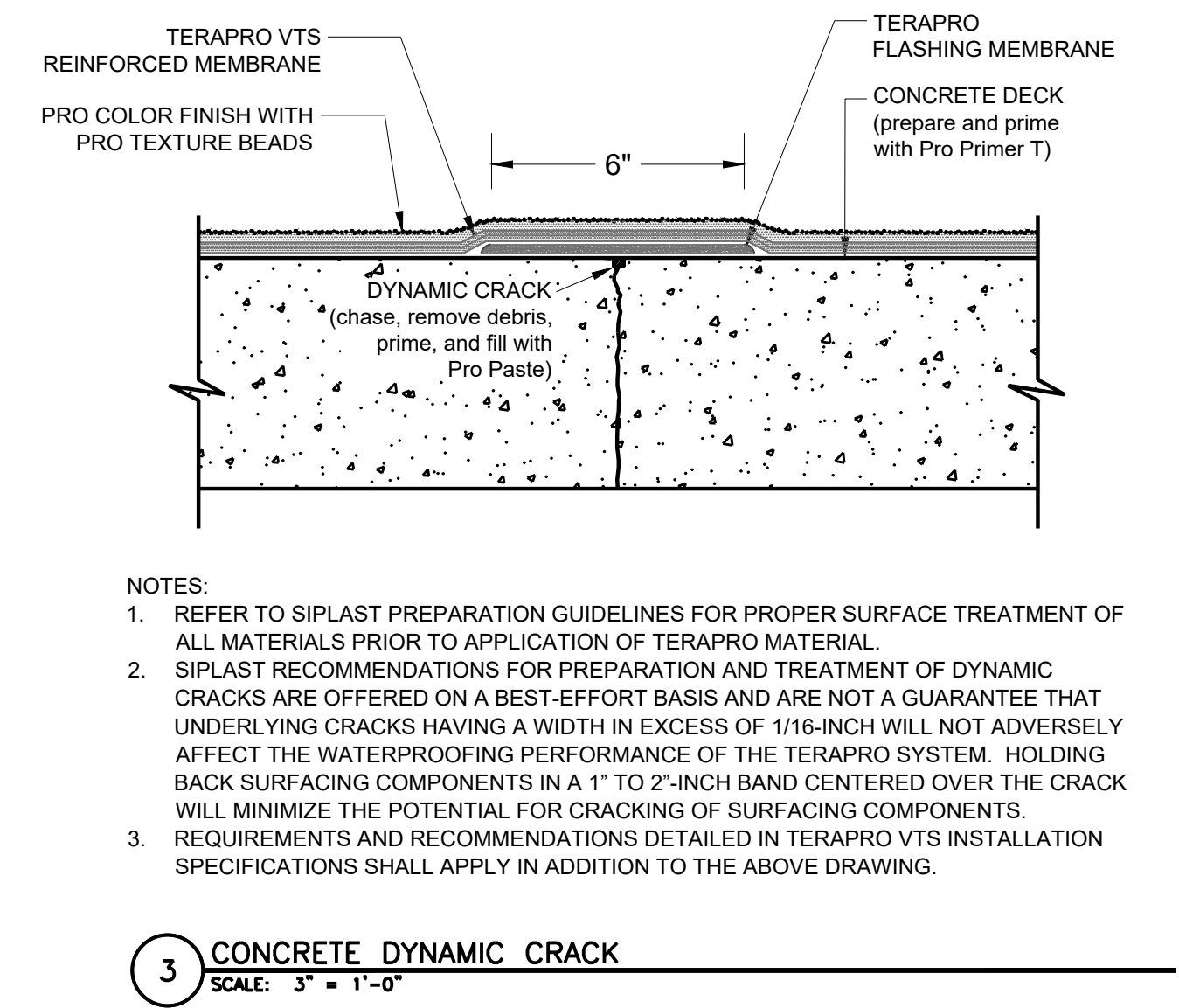
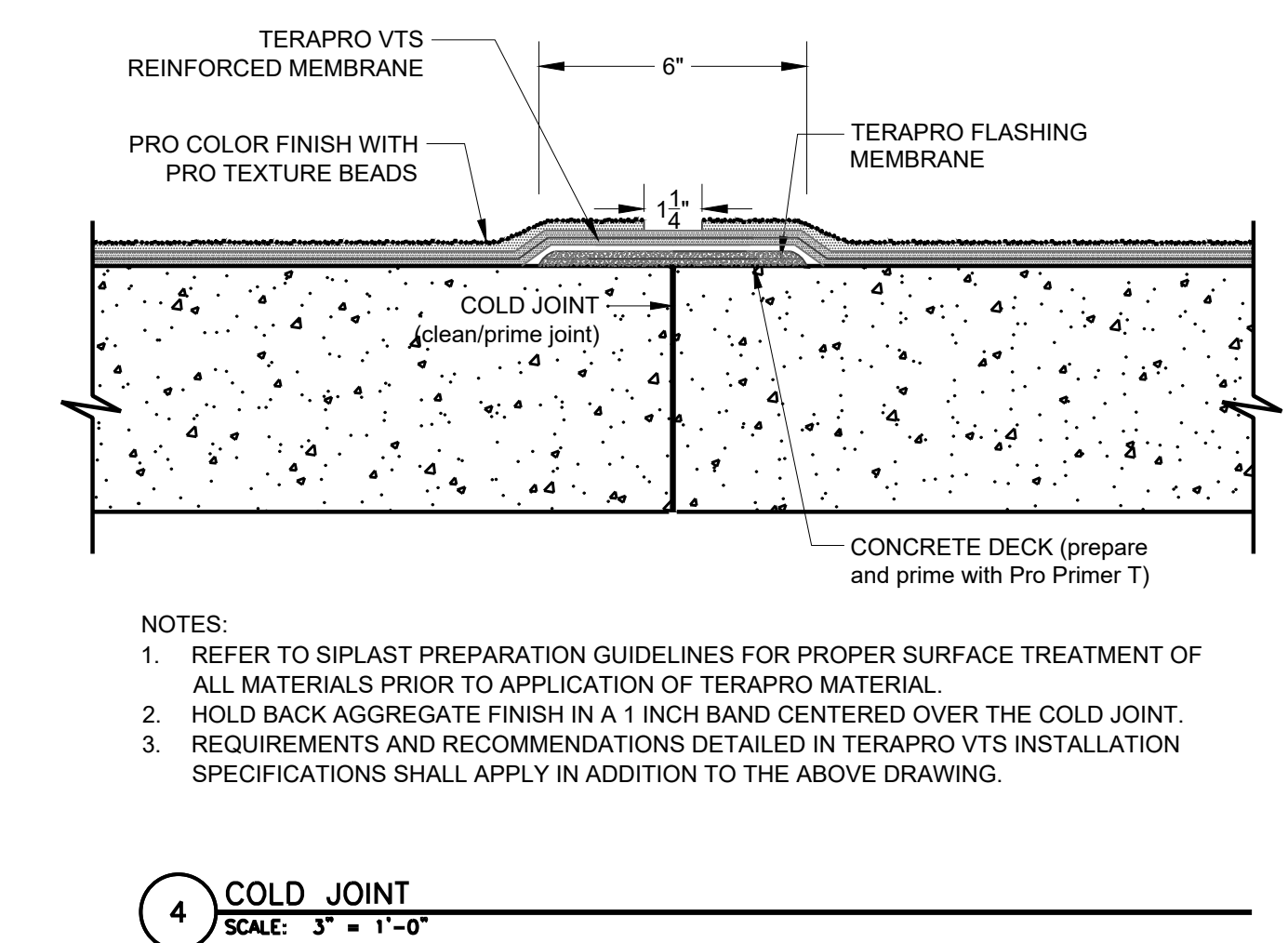
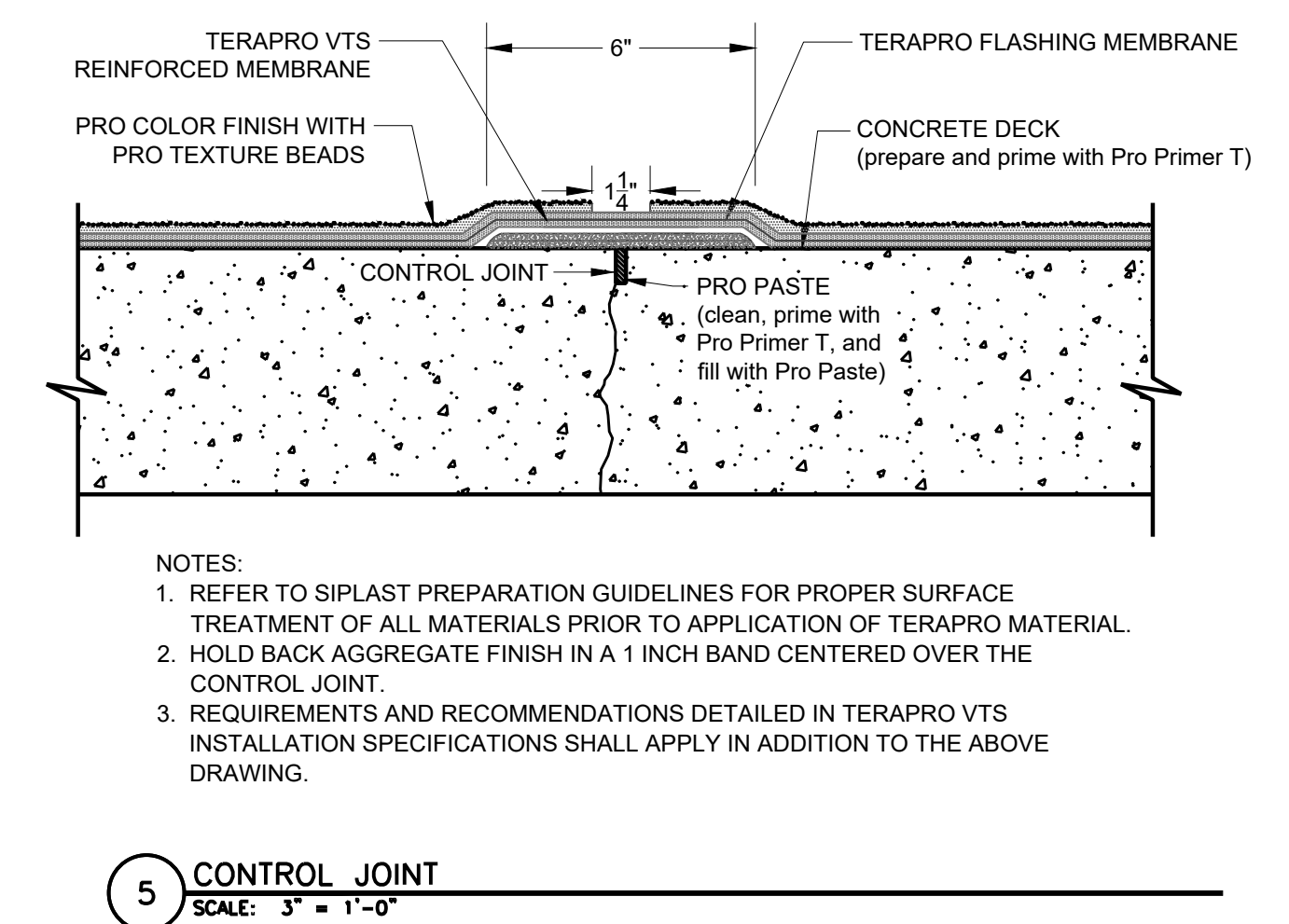
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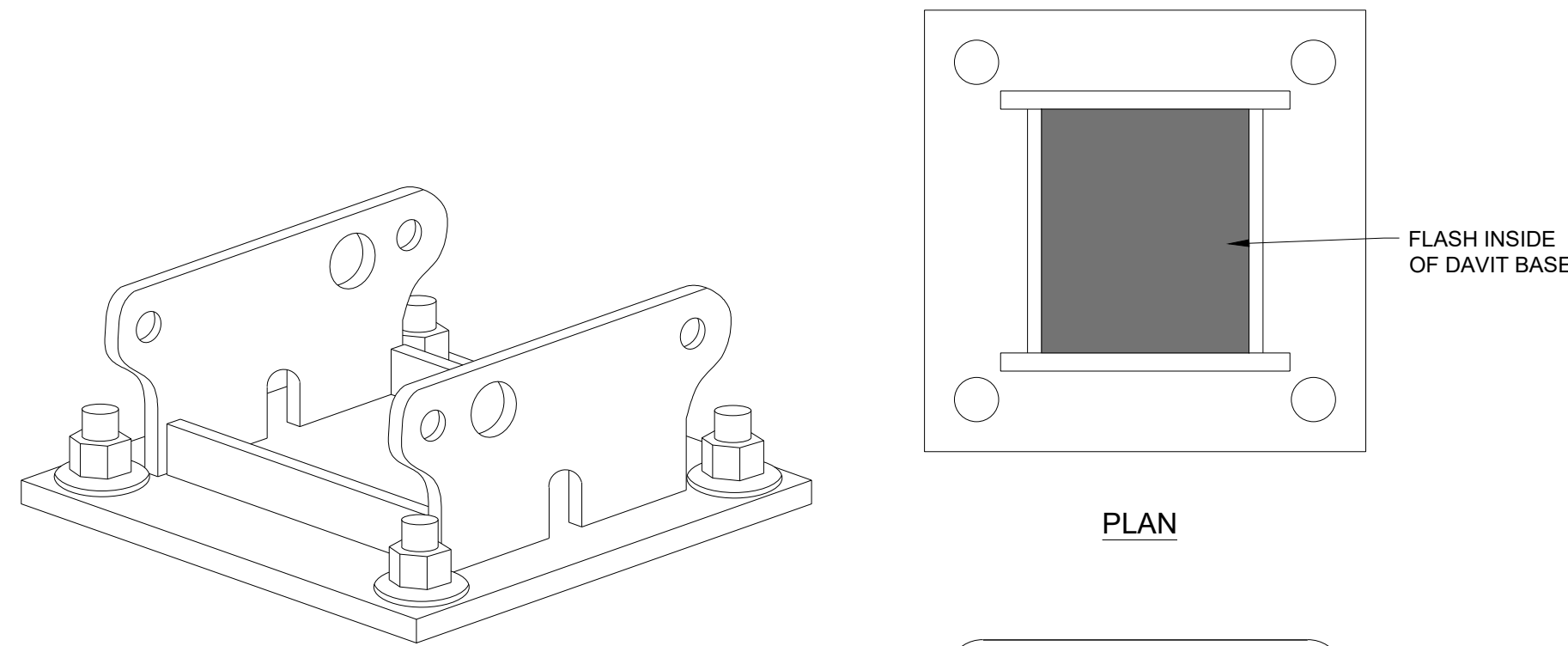
ENLARGED  
SKYLIGHT  
PLAN

A200

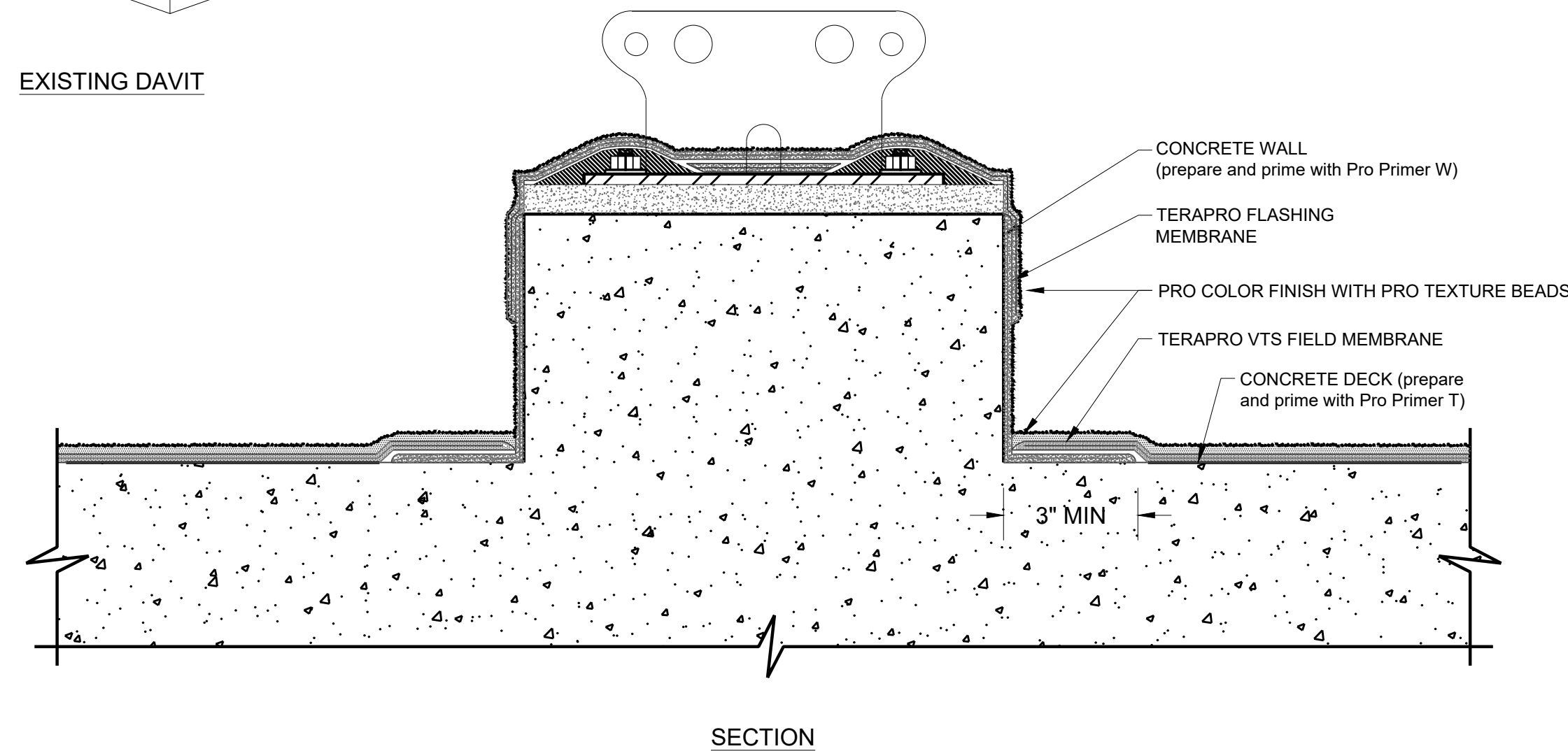






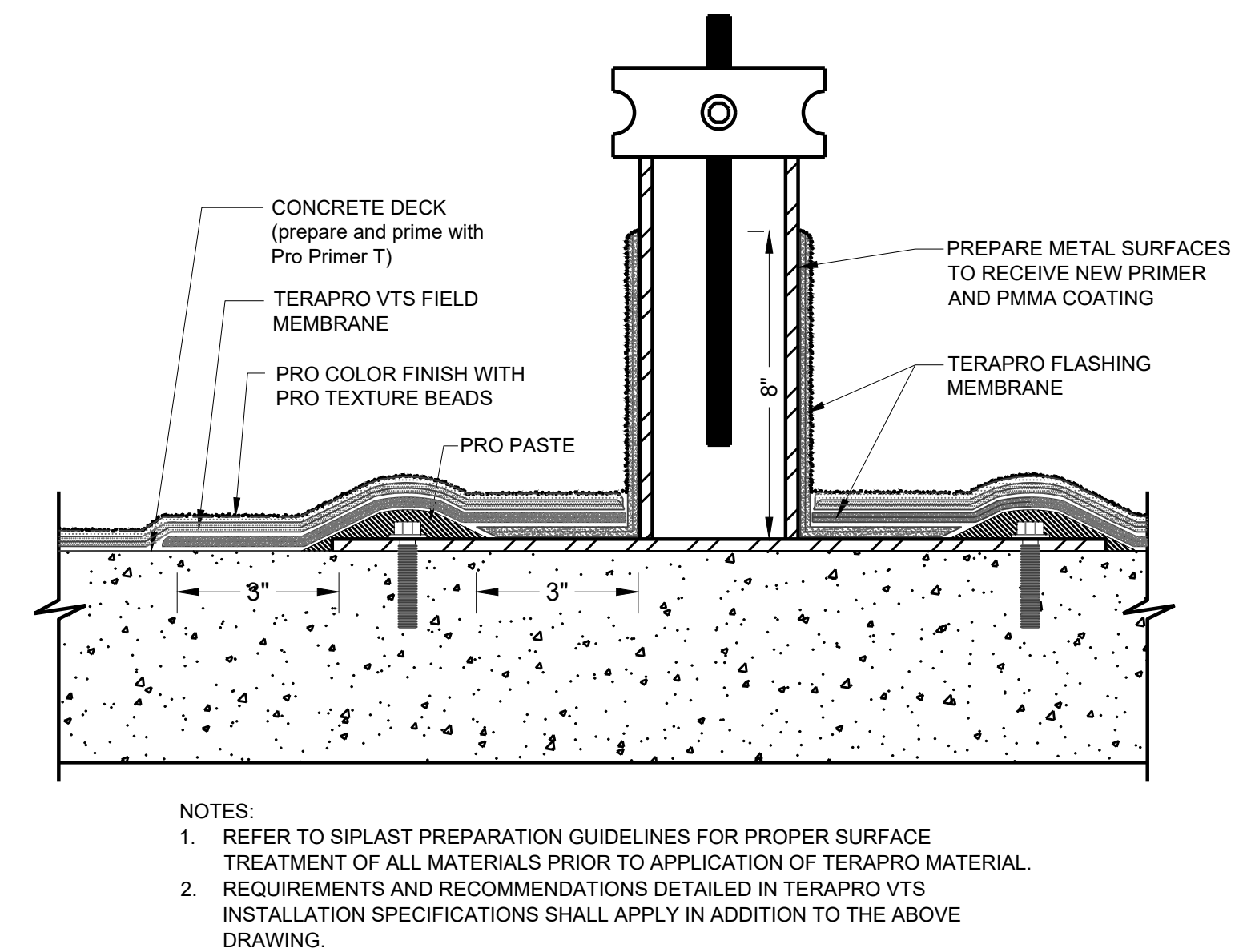


EXISTING DAVIT



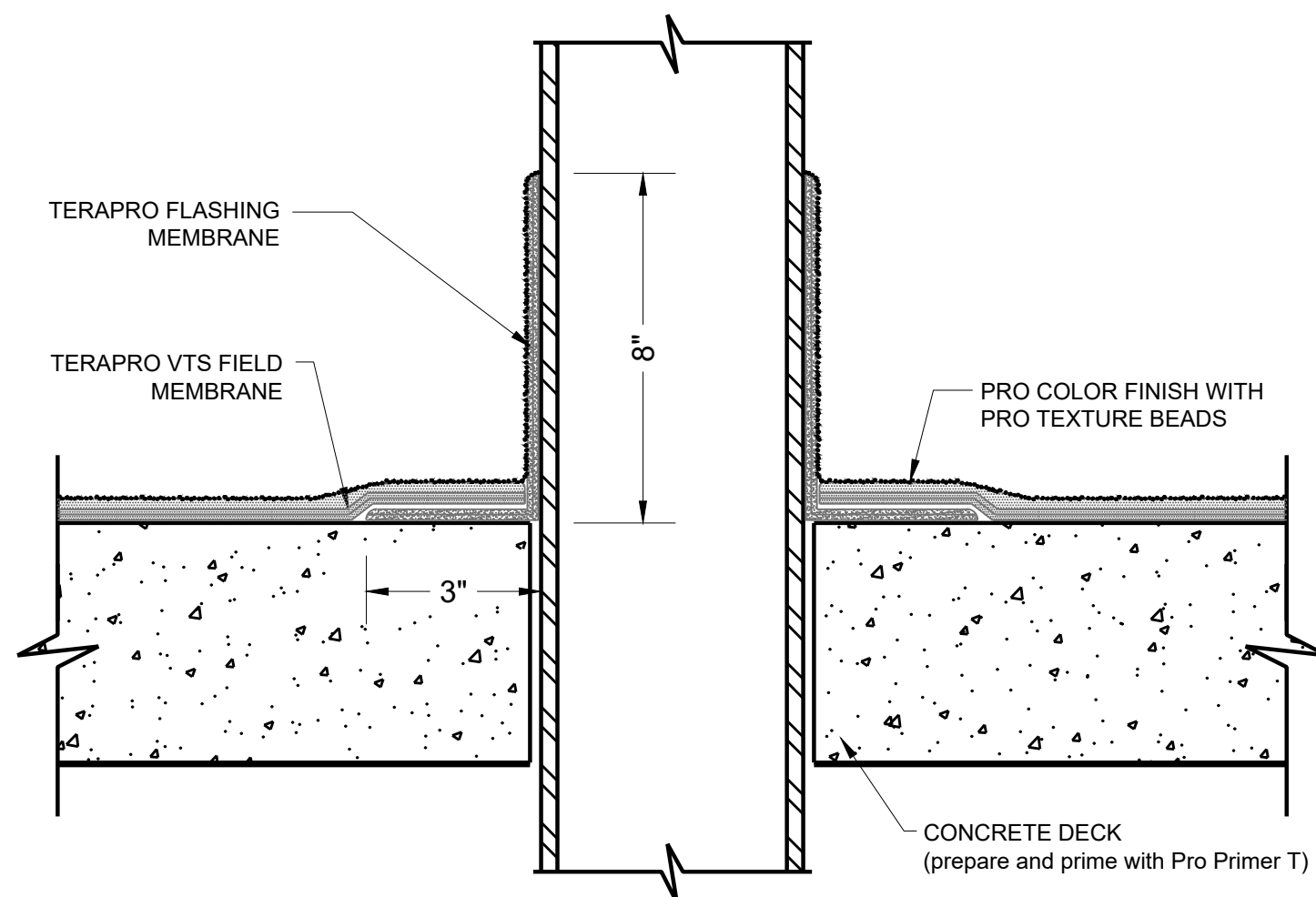
SECTION

5 ROOF DAVIT DETAILS  
SCALE: 3" = 1'-0"



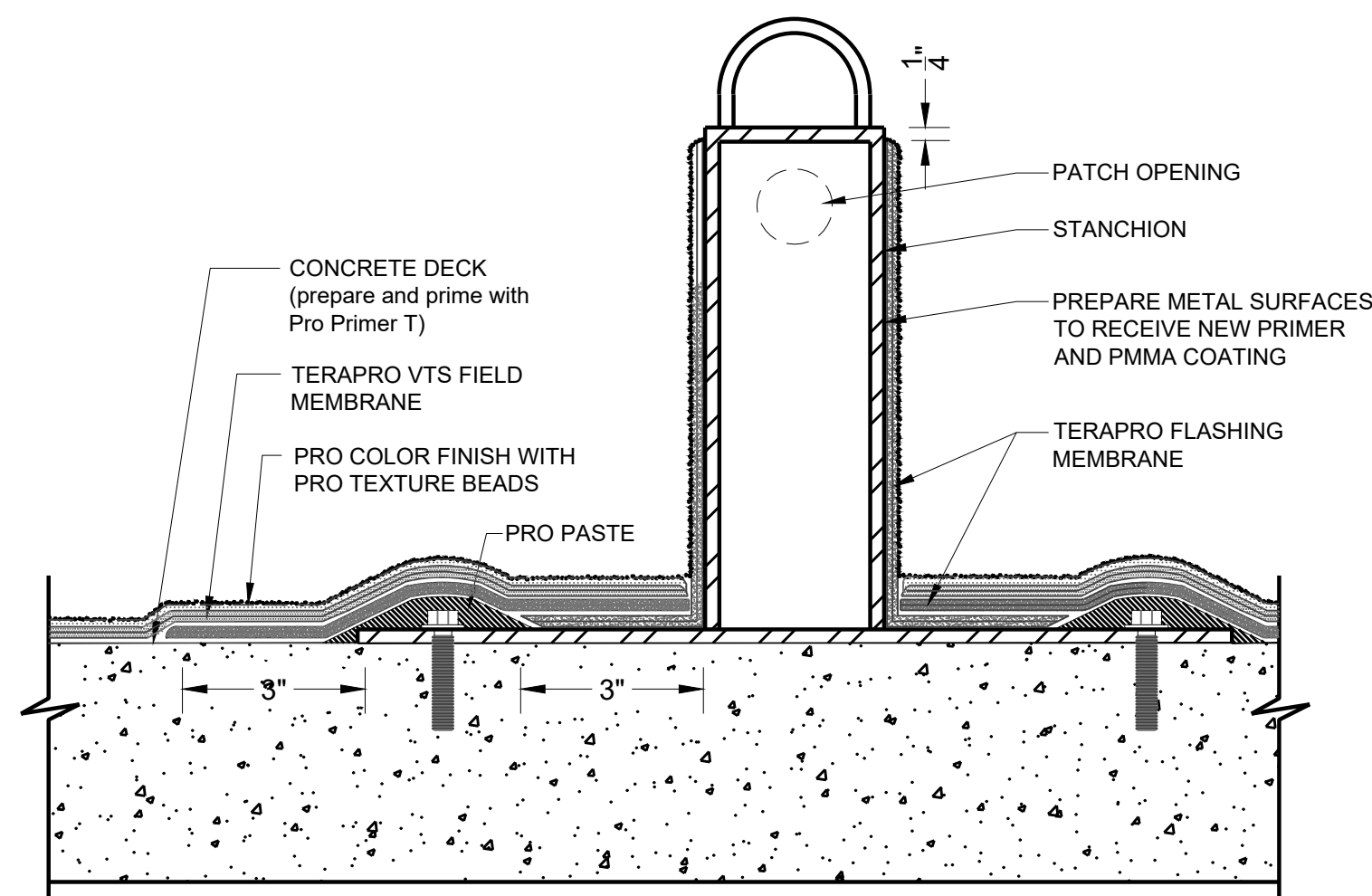
NOTES:  
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2. REQUIREMENTS AND RECOMMENDATIONS DETAILED IN TERAPRO VTS INSTALLATION SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

4 LIGHTNING PROTECTION DETAIL  
SCALE: 3" = 1'-0"



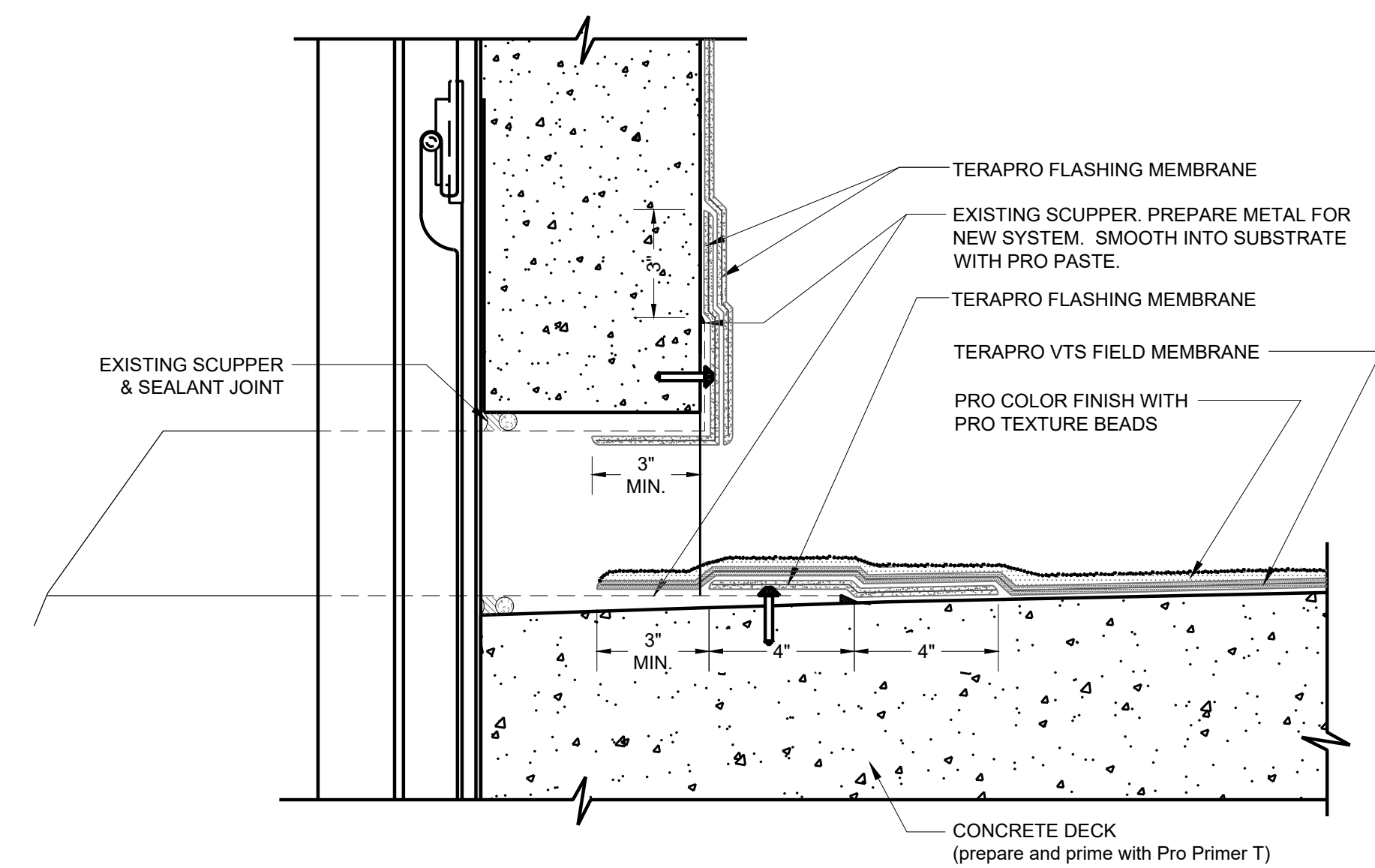
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3 PENETRATION DETAIL  
SCALE: 3" = 1'-0"



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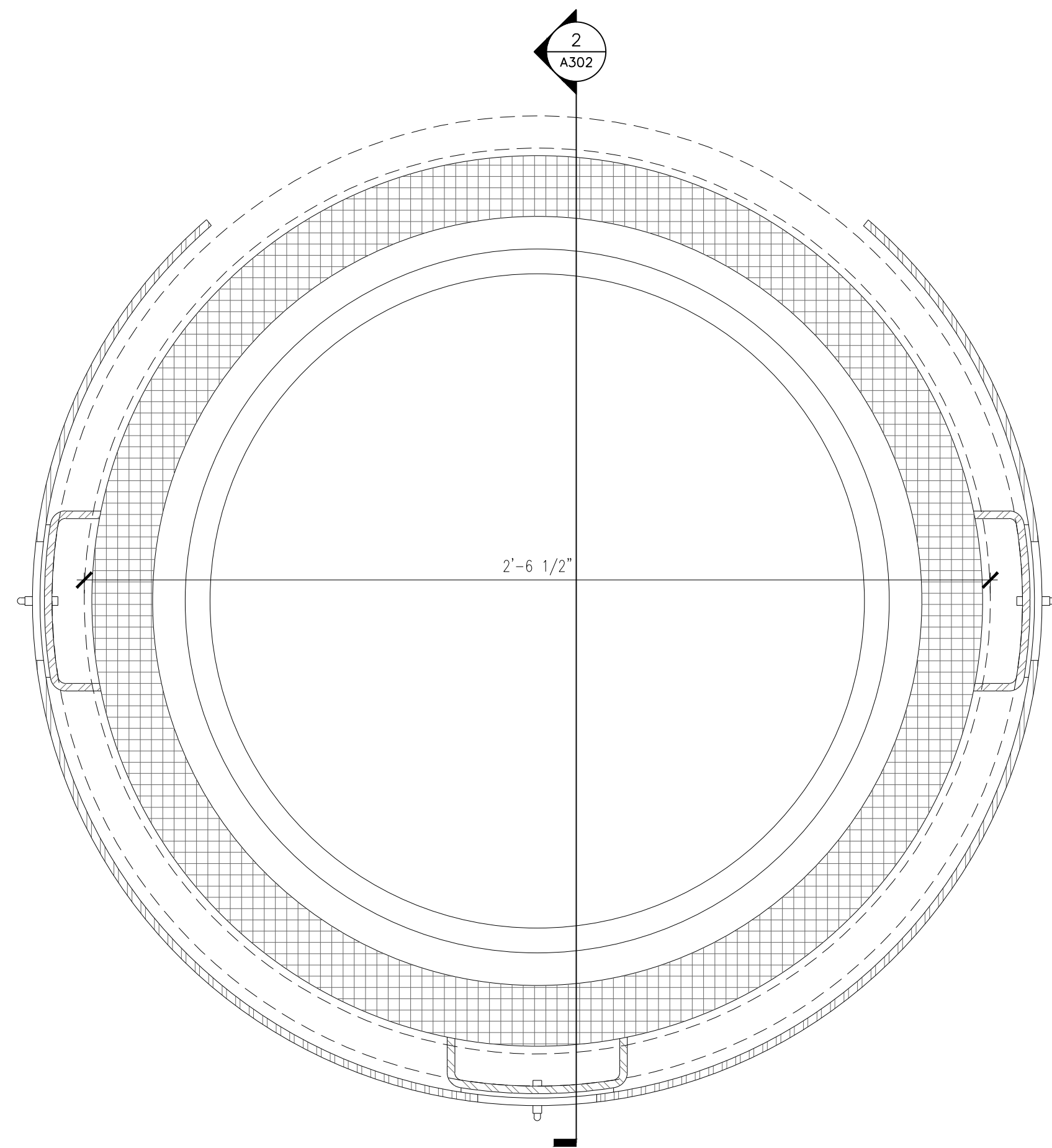
2 STANCHION DETAIL  
SCALE: 3" = 1'-0"



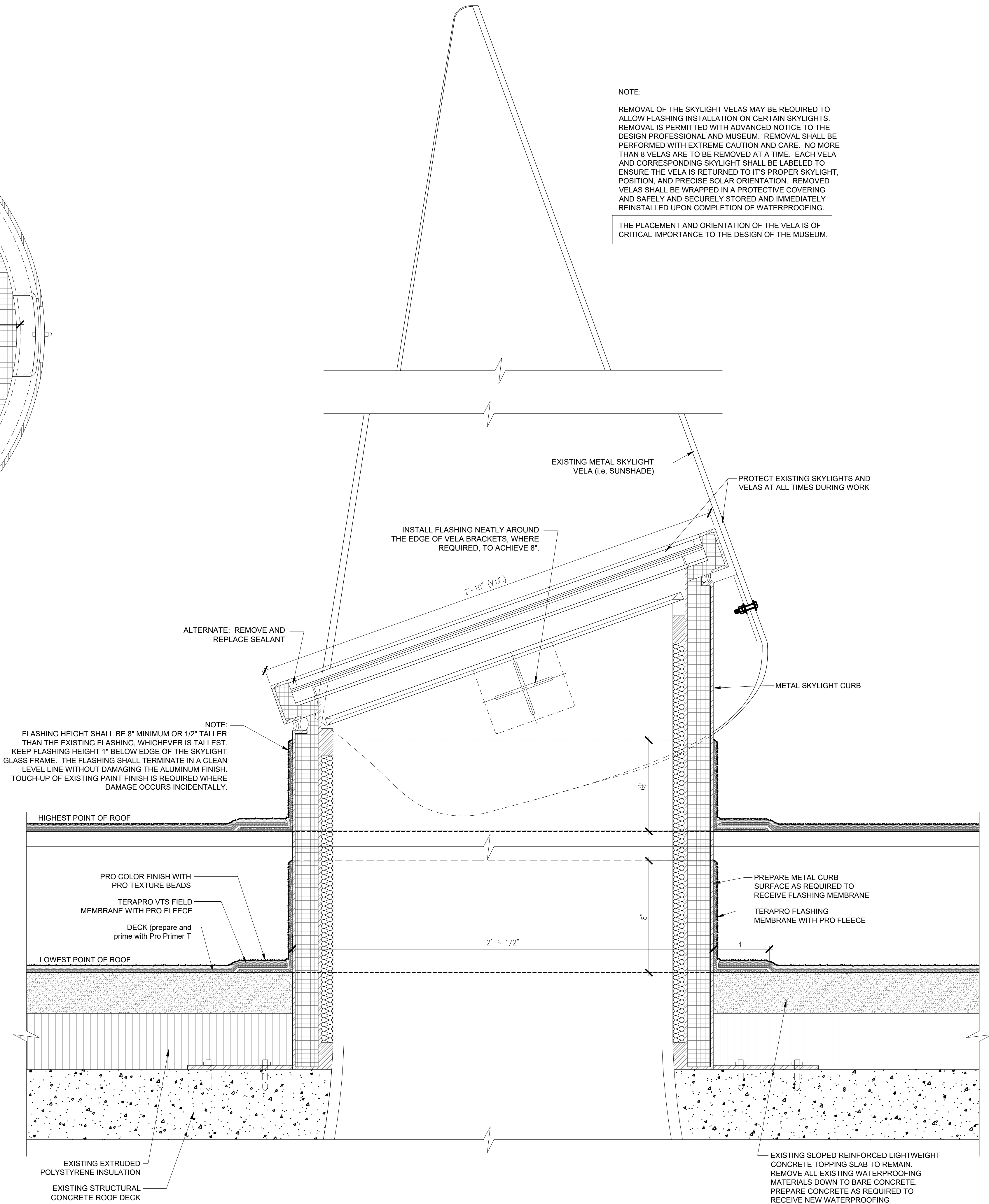
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3. THE CARPENTRY AND METAL WORK SHOWN DEPICTS SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/ FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS, AND APPROVALS.

1 SCUPPER DETAIL  
SCALE: 3" = 1'-0"





2 TYPICAL SKYLIGHT ENLARGED PLAN  
SCALE: 3" = 1'-0"



1 TYPICAL SKYLIGHT SECTION  
SCALE: 3" = 1'-0"

NOTE:

REMOVAL OF THE SKYLIGHT VELAS MAY BE REQUIRED TO ALLOW FLASHING INSTALLATION ON CERTAIN SKYLIGHTS. REMOVAL IS PERMITTED WITH ADVANCED NOTICE TO THE DESIGN PROFESSIONAL AND MUSEUM. REMOVAL SHALL BE PERFORMED WITH EXTREME CAUTION AND CARE. NO MORE THAN 8 VELAS ARE TO BE REMOVED AT A TIME. EACH VELA AND CORRESPONDING SKYLIGHT SHALL BE LABELED TO ENSURE THE VELA IS RETURNED TO ITS PROPER SKYLIGHT, POSITION, AND PRECISE SOLAR ORIENTATION. REMOVED VELAS SHALL BE WRAPPED IN A PROTECTIVE COVERING AND SAFELY AND SECURELY STORED AND IMMEDIATELY REINSTALLED UPON COMPLETION OF WATERPROOFING.

THE PLACEMENT AND ORIENTATION OF THE VELA IS OF CRITICAL IMPORTANCE TO THE DESIGN OF THE MUSEUM.

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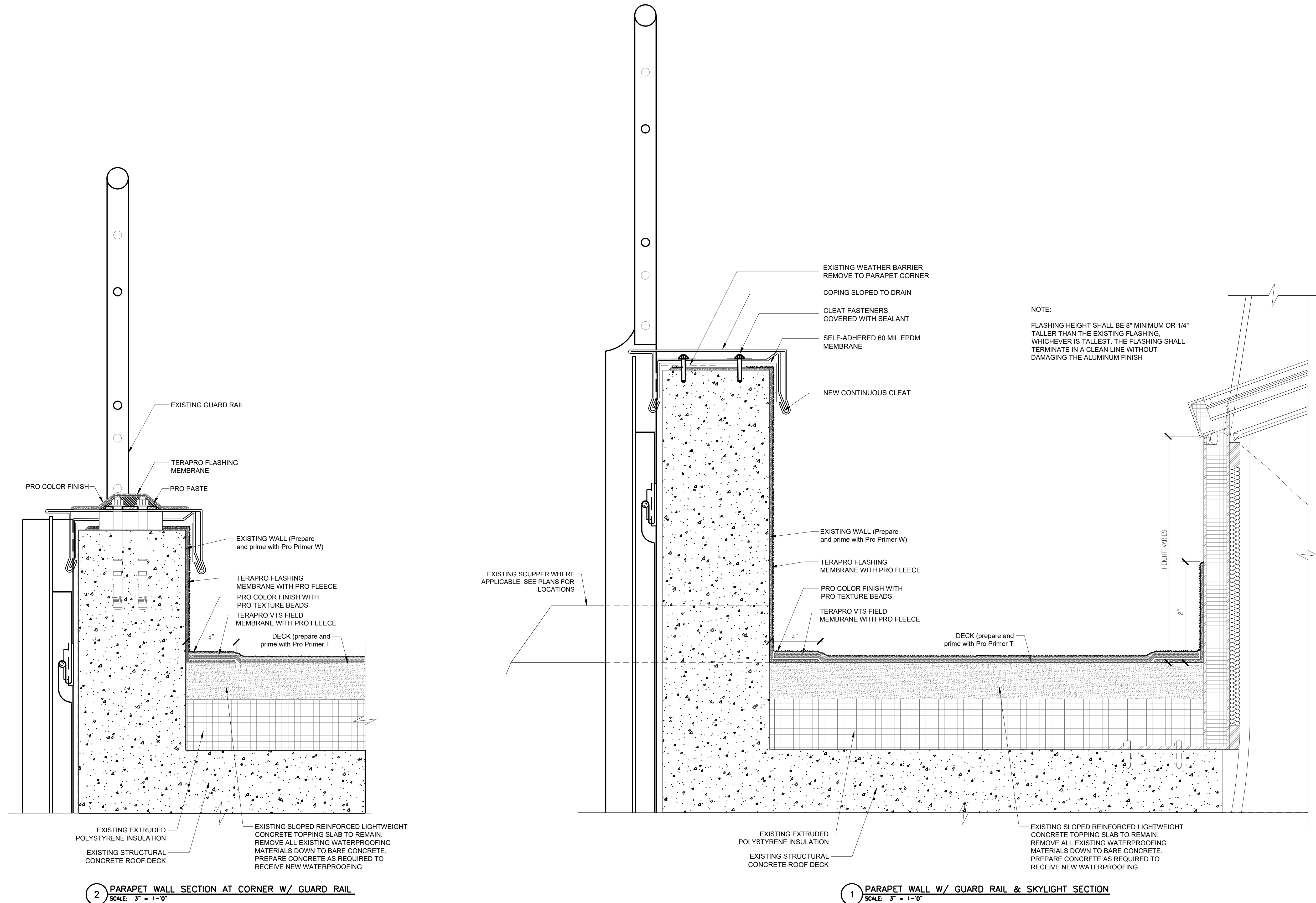
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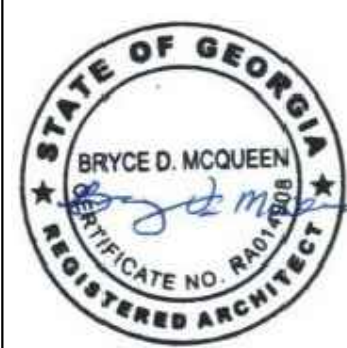
SKYLIGHT  
SECTIONS

A302





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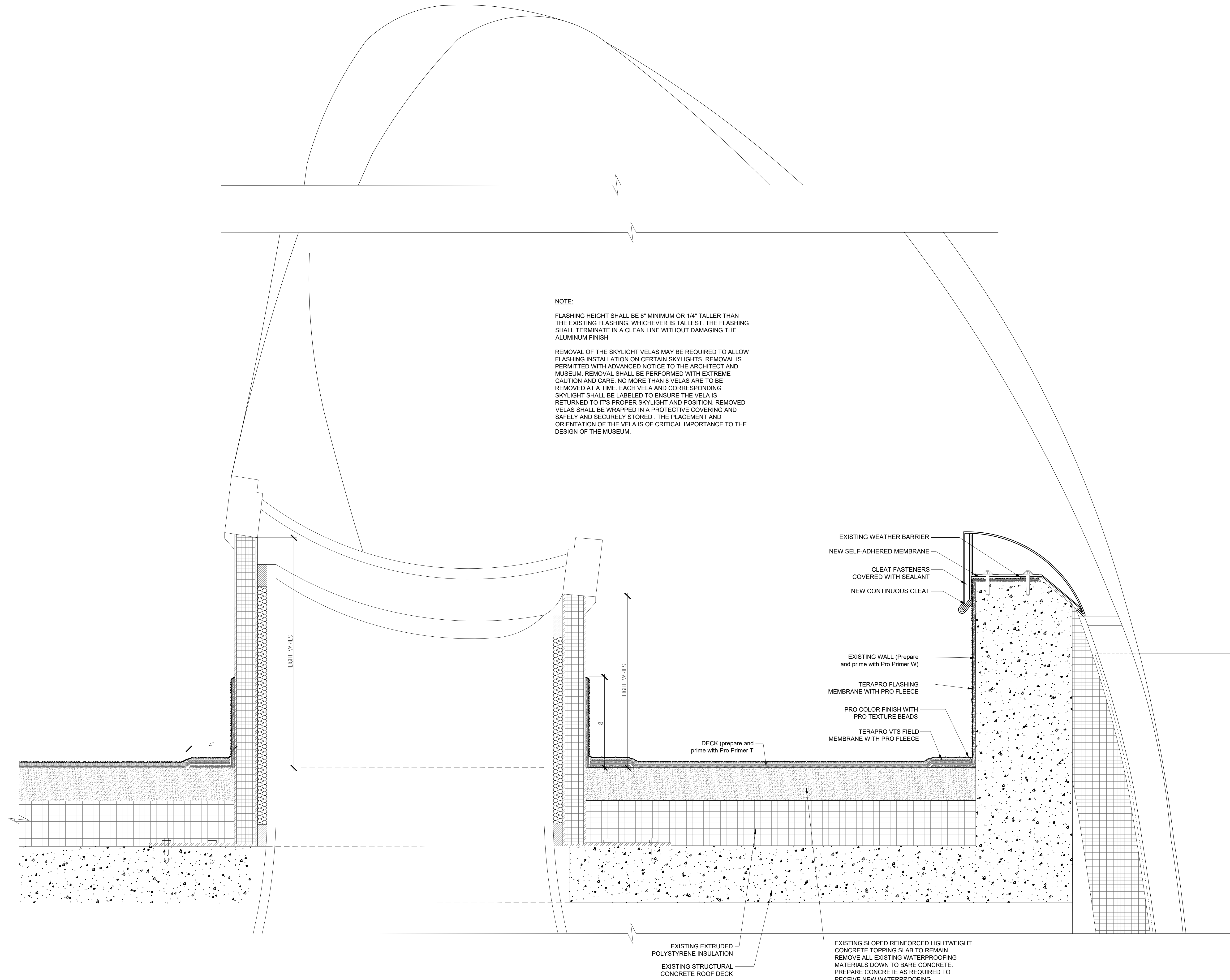
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PARAPET WALL SECTIONS

A303





NOTE:

FLASHING HEIGHT SHALL BE 8" MINIMUM OR 1/4" TALLER THAN THE EXISTING FLASHING, WHICHEVER IS TALLEST. THE FLASHING SHALL TERMINATE IN A CLEAN LINE WITHOUT DAMAGING THE ALUMINUM FINISH

REMOVAL OF THE SKYLIGHT VELAS MAY BE REQUIRED TO ALLOW FLASHING INSTALLATION ON CERTAIN SKYLIGHTS. REMOVAL IS PERMITTED WITH ADVANCED NOTICE TO THE ARCHITECT AND MUSEUM. REMOVAL SHALL BE PERFORMED WITH EXTREME CAUTION AND CARE. NO MORE THAN 8 VELAS ARE TO BE REMOVED AT A TIME. EACH VELA AND CORRESPONDING SKYLIGHT SHALL BE LABELED TO ENSURE THE VELA IS RETURNED TO ITS PROPER SKYLIGHT AND POSITION. REMOVED VELAS SHALL BE WRAPPED IN A PROTECTIVE COVERING AND SAFELY AND SECURELY STORED. THE PLACEMENT AND ORIENTATION OF THE VELA IS OF CRITICAL IMPORTANCE TO THE DESIGN OF THE MUSEUM.