

ADDENDUM TO
SPECIFICATIONS ENTITLED
“SPECIFICATIONS FOR
REESE AND FRIDAY ROOFS
UNC CHARLOTTE
CHARLOTTE, NORTH CAROLINA
PROJECT NO. FH226151
SCO ID # 22-24654-01
CODE NO. 42126; ITEM NO. 320”

ADDENDUM NO. 3

January 10, 2022

The Specifications and Drawings contained in the project manual entitled “Specifications for REESE AND FRIDAY ROOFS, UNC CHARLOTTE, CHARLOTTE, NORTH CAROLINA, PROJECT NO: FH226251, SCO ID # 22-24654-01, CODE NO. 42126; ITEM NO. 320” are amended as follows:

GENERAL

1. The following are submitted questions followed with Engineer’s response:

Question/Request: Does UNCC have a data base of qualified minority contractors that could provide pricing on the through-wall flashing work?

Response: see attached for list of approved HUB contractors

SECTION 07540 – THERMOPLASTIC MEMBRANE ROOFING

2. Reference Part 2 – Products, add the following section:

2.7 MISCELLANEOUS

- A. Roof Hatch Safety Guardrail: For double-leaf roof hatches sized for roof hatch on Area A of Friday Building (approximately 12x6 feet) with self-closing gate, grab bars, and a 24-inch safe landing zone. Provide shop drawings showing attachment details to the curb.
- a. Comply with OSHA Guardrail requirements.
 - i. 29 CFR 1910.29, 29 CFR 1926.501(b) (4) and 29 CFR 1926.502
 - b. Heavy duty powder coat
 - c. Provide manufacturer’s 2-year warranty
 - d. Manufacturers:
 - i. KeeHatch® Railing System
 - ii. Edge Fall Protection, LLC
 - iii. HatchGuard
- B. Roof Anchor and Cable Fall Protection: Refer to Drawings for fall protection anchorage and safety cable line requirements. Provide shop drawings by manufacturers. Acceptable manufacturers:
- a. Peak Fall Protection
 - b. Guardian Fall Protection

- c. Approved equal
3. Add the following Section to Part 3 – Execution:

3.11 ROOF HATCH GUARDRAIL

- A. Do not begin installation until substrates have been properly prepared.
- B. Clean surfaces thoroughly prior to installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- D. Install in accordance with manufacturer’s instructions, approved submittals and in proper relationship with adjacent construction.
- E. Protect installed products until completion of project.
- F. Touch-up, repair or replace damaged products before Substantial Completion.

SECTION 07560 – FLUID APPLIED ROOFING

4. Reference Part 2 – Products, add the following section:

2.8 MISCELLANEOUS

- C. Ballasted Guard Rail System: Guard rail system to be installed per layout provided in Drawings. Provide shop drawings from manufacturer showing details of connections along with swinging gate and provide ballasted weight required to sustain the wind loads specified.
 - a. Manufacturers:
 - i. Peak Fall Protection
 - ii. KeeHatch® Railing System
 - iii. Guardian Fall Protection
- D. Roof Anchor and Cable Fall Protection: Refer to Drawings for fall protection anchorage and safety cable line requirements. Provide shop drawings by manufacturers. Acceptable manufacturers:
 - a. Peak Fall Protection
 - b. Guardian Fall Protection
 - c. Approved equal

DRAWINGS

5. Remove the all Drawing sheets and replace with the updated sheets attached to Addendum No. 3. Revisions to the drawings are marked using a clouded bubble with a "3" within a triangle. The following drawings have revisions:

G-102
A-101
A-201
A-301
A-302
A-401
A-402
W-201

Enclosure: HUB Contractor List
Drawings (Addendum No. 3)

3Qtr 2022 HUB Contractors List (3/28/22)

Minority Categories						
Black/African American (B), Hispanic (H), Asian American (A), American Indian (AI or I), Female (F), Socially & Economically Disadvantaged (D) NC Small Business Enterprise (S) NC Small Business Enterprise (NC SBE) certified - As of 3/28/2022		NOTE: When looking for a HUB/NC SBE firm you should consider sending your requirement to a GC, such as MV Momentum, as GCs typically will subcontract the work anyway.				
CATEGORY	CONTRACTOR	HUB/NC SBE	CONTACT	TELEPHONE	EMAIL	EMAIL
Acoustical Tile						
	NC Interiors Contracting	H	Nancy Palacios	(704) 529-0140	nancy@ncinteriorcontracting.com	
	Mekki Modular Systems	B	Gamal Mekki	(704) 676-0050	mekmodsys@gmail.com	
	Charlotte Ceiling Contracting, Inc	F	Constance Stidd	(704) 888-5088	charceil@aol.com	
	Sears Contracting	F	Lynn Sears	(919) 754-0750	lsears@searscontract.com	
	Nichols Custom Builders & Design	B	Kwesi Nichols	(704) 400-6786	support@nicholscustombuildersanddesign.com	
	Munoz Contracting	H	Jose Munoz	(704) 713-6308	munozcontracting@aol.com	
	NJR Construction LLC	B	Edward Roper	(704) 258-1531	edroper.njrconstruction@gmail.com	
	Diamond Touch Construction	B	Andrea Pettitt	(919) 787-3838	officemanager@diamonddtouch.net	aly@diamonddtouch.net
	United Painting Services	H	Leonardo Andrade	(704) 962-0563	leo@unitedpaintingservices.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Boller Logistics, LLT					
	ML Builders					
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
	Carolina Acoustical Installers, Inc.	B/NC SBE				
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
Asbestos Abatement						
	Vistabution, LLC	B	Clarence Mann	(919) 844-9375	cmann45@bellsouth.net	
	Janezic Building Group	F	Lori Janezic	(919) 870-2988	ljanezic@raleigh.twcbc.com	
	Double D Construction Services, Inc.	F/NC SBE	Tracy Doub	(336) 922-4126	ddtrucking@triad.twcbc.com	sstanley@triad.twcbc.com
	Elevated Environmental Corporation	F/NC SBE	Stephanie Gower	(800) 718-7144	info@elevatedenvironmental.com	
	Conner Construction Corp	F/NC SBE				
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
Asphalt Paving/Grading						
	James Seals & Stripes	F/NC SBE	Jeannie Reid	(704) 202-0404	jeannie@jss-inc.com	
	Oliver Paving	F	Ruth Oliver	(704) 392-2462	oliver@oliverpaving.com	
	Siteworks, LLC	F	Mellissa Bovit	(704) 588-3055	mbovit@siteworks-llc.com	
	USA Concrete and Contractual Services	B	Jerry Dunlap	(980) 622-7833	jerry@dunlapconcrete.com	
	Ultimate Asphalt and Concrete	B	Everett smith	(704) 905-3767	ultimateasphaltandconcrete@gmail.com	

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	L. T. Hedrick Construction Co, Inc dba Hedrick Grading and Paving	F	Tammy Hedrick	(336) 746-5115	tamarheel@hotmail.com	
	Luvall Asphalt Services	B	Donald Britten	(980) 256-2807	luvallasphaltservices@gmail.com	paving@luvallasphaltservices.com
	ASJ Wilson Constructuon	B	Josephus Wilson	(336) 272-7722	estimator@asjwilsonconstruction.com	
	Double D Construction Services, Inc.	F/NC SBE	Tracy Doub	(336) 922-4126	ddtrucking@triad.twcbc.com	sstanley@triad.twcbc.com
	Locke-Lane Construction Inc	D	Andrew Sherrill	(704) 585-6625	dsherrill@lockelaneconstruction.com	
Builder's Supplies						
	Ram Tool and Supply	F	Hillery Head	(205) 714-3300	wbe@ram-tool.com	
	East Coast Service Group Logistics LLC	B/NC SBE	Cedric Nelson	(919) 796-2587	cnelson@eastcoastservicegroup.com	
	BSL Galbreath Inc	B/NC SBE	Stacey Byrd	(704) 281-6244	stacey.byrd@bslgalbreath.com	
	JHP Industrial Supply Company, Inc	B/NC SBE	Emanuel Henderson	(315) 422-0050	emo405@aol.com	
Cleaning - Construction & Final Cleaning						
	Mr Clean Maintenance Company	B	Michael Murray	(704) 200-0047	michaelmurray@mrleanservices.com	
	Clean Bean	B	Clarence Bynum	(704) 605-4780	cleanbeanllc@yahoo.com	
	Pro Klean	F/NC SBE	Debbie McMillan	(704) 504-9588	debbie@prokleaninc.com	
	Access Services	B/NC SBE	Kevin Smith	(704) 644-5529	kevin@access-services.biz	frank@access-services.biz
	Miriam Davis Cleaning, LLC	B	Miriam Davis	(704) 201-6111	miriam@miriamdaviscleaning.com	
	Hopkins Services, Inc.	B	Anthony Hopkins	(336) 547-0401	hopkinsservices@bellsouth.net	
	GrimeGuru Janitorial Service	B	Brigitte Hampton	(336) 710-4406	brigitte@grimeguru.com	
	Golden Cleaning Service	B	Charles Osborne	(704) 650-2900	goldencleaningcharlotte@gmail.com	
	United Painting Services	H	Leonardo Andrade	(704) 962-0563	leo@unitedpaintingservices.com	
	Karma Contracting	B/NC SBE	Karim Razzak	(336) 757-6984	karmacontractinginc@gmail.com	
	Boller Logistics, LLC	B/NC SBE	Kaylen Boller	(704) 905-9817	kbollerlogistics@gmail.com	bollertransport@gmail.com
	All Things Professional Cleaning	B	Erica Everett	(704) 345-3976	erica@allthingscleaning.com	
	Gentry Cleaners Inc	B	Katrica Morris	(704) 957-1371	gentrycleanersinc@gmail.com	
Concrete						
	Johnson Concrete Company	F	Gregg Swartz	(704) 363-9839	gswartz@johnsoncmu.com	
	P & D Architectural Precast	F	Gladys Adkins	(252) 566-9811	pdarchprecast@gmail.com	
	Martinez Company	H	Luis Martinez	(919) 402-6846	luis342@bellsouth.net	
	Camps Construction	H	Kevin McCutchen	(704) 321-1492	kmccutchen@campsconstruction.com	
	SVG Concrete Services	H	Gary Anderson	(919) 567-0044	ganderson@svgconcrete.com	svq@svgconcrete.com
	ASJ Wilson Constructuon	B	Josephus Wilson	(336) 272-7722	estimator@asjwilsonconstruction.com	
	Harris Concrete and Construction, Inc.	B/NC SBE	Sean Harris	(336) 362-3178	harrisconcrete@triad.rr.com	
	Lacayo Concrete Flatwork, Inc.	H	Ernest Lacayo	(336) 364-2252	ernestlacayo@yahoo.com	
	PCM Construction, Inc.	H	Juan Pena	(336) 527-4536	jspeana@pcmconstructioninc.net	
	Concrete Solutions by JH&S LLC	B/NC SBE	James Hickman	(336) 782-1968	estimating@concretesolutionsjhs.com	
	Locke-Lane Construction Inc	D	Andrew Sherrill	(704) 585-6625	dsherrill@lockelaneconstruction.com	

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	Ram Tool and Supply	F	Hillery Head	(205) 714-3300	wbe@ram-tool.com	
	Luvall Asphalt Services Incorporated	B	Donald Britten	(980) 256-2807	luvallasphaltservices@gmail.com	Curb & Gutter
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Construction Concepts and Design Inc	B/NC SBE	Clifford McClain	(336) 488-7112	constructionconceptsanddesign@gmail.com	
	ECO Concrete & Construction II, Inc	H/NC SBE	Manuel Caicedo	(980) 205-4145	icaicedo@ecoconcretellc.com	
Demolition						
	Vistabution, LLC	B	Clarence Mann	(877) 288-9656	cmann45@bellsouth.net	
	Abatemaster, Inc	F	Angela Tesh	(336) 731-4396	angela_abatemaster@yahoo.com	
	Access Services	B/NC SBE	Kevin Smith	(704) 644-5529	kevin@access-services.biz	frank@access-services.biz
	All-Pro Builders & Restoration	B	Gerald Carr	(704) 915-9674	allprobuilders1@yahoo.com	
	Clement Construction Corporation	B/YES	Phillip Clement Sr.	(336) 661-2488	clementconst@yahoo.com	
	Double D Construction Services, Inc.	F/NC SBE	Tracy Doub	(336) 922-4126	ddtrucking@triad.twcbc.com	sstanley@triad.twcbc.com
	Elevated Environmental Corporation	F/NC SBE	Stephanie Gower	(800) 718-7144	info@elevatedenvironmental.com	
Doors/Frames & Hardware						
	Southern Door Supply	F/NC SBE	Kathleen Fennell	(704) 332-4460	kfennell@southerndoorsupply.com	
	SAF Technologies	F	Alison Weeks	(704) 844-0955	alison.parrish@saftechnologies.com	alan.weeks@saftechnologies.com
	Stuart Page	F	Kimberly Page	(704) 545-0695	kim@stuartpagecompany.com	stuart@stuartpagecompany.com
	DWS Steel Structures, Inc.	F	Marie Anderson	(336) 996-0500	marie@dws-structures.com	
	FM Supplies	B	fassil Mitiku	(336) 391-8653	fmitiku@triad.rr.com	
	GP Supply Company	B	Antonio Wallace	(336) 274-7615	awallace@gpsupplycompany.com	david@gpsupplycompany.com
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	ML Builders	B/NC SBE				
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
Drywall & Metal Framing						
	Northedge, LLC (Chavez Interiors LLC)	H	Jose Chavez	(336) 969-2669	joseg@chavezinteriors.com	
	Nichols Custom Builders & Design	B	Kwesi Nichols	(704) 400-6786	support@nicholscustombuildersanddesign.com	
	Sears Contract	F	Lynn Sears	(919) 754-0750	lsears@searscontract.com	
	Latino Group Drywall	H	Alejandro Anaya	(828) 465-3147	lg_drywall@att.net	
	Munoz Contracting	H	Jose Munoz	(704) 713-6308	munozcontracting@aol.com	
	NC Interiors Contracting	H	Nancy Palacios	(704) 529-0140	nancy@ncinteriorcontracting.com	
	Taylor Interiors	B/NC SBE	Tarris Arnold	(704) 886-4813	taylorinteriorsllc@yahoo.com	
	Melco & Associates	H	Melissa Alejandro	(704) 348-4588	melissa@melcofirestopping.com	
	Piedmont Stucco	H	Faye Fenske	(704) 504-1313	piedmontstucco.estimating@gmail.com	
	The AZ Group Contractors	H	Asael Ramos	(980) 207-4561	theazgroup3@aol.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	NJR Construction LLC	B	Edward Roper	(704) 258-1531	edroper.njrconstruction@gmail.com	
	United Painting Services	H	Leonardo Andrade	(704) 962-0563	leo@unitedpaintingservices.com	
	Karma Contracting	B/NC SBE	Karim Razzak	(336) 757-6984	karmacontractinginc@gmail.com	

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Electrical						
	SAF Technologies	F	Alison Weeks	(704) 844-0955	alison.parrish@saftechnologies.com	
	Caryl Mechanicals dba The Boswell Group	F/NC SBE	Libby Caryl	(704) 289-8986	lcaryl@theboswellgroup.com	
	Republic Electric Company	H	Rodney Scott	(704) 643-0180	rodneys@republicelect.com	
	American Tec Electric	B/NC SBE	David Goodson	(704) 787-3961	davidagoodson@americantecelectric.com	
	Chavis' Inc	AI	Fitzgerald Chavis	(910) 844-2000	fitz.chavis@chavisinc.com	
	Electric One, Inc.	B	Tony Mayhew	(336) 578-7275	info@electric1inc.com	
	Mayer Electric Supply Company	F/NC SBE	A. Myers	(704) 529-0485	amyers@mayerelectric.com	
	Modern Lightning Protection	D/NC SBE	Benjamin Gibbs	(252) 756-3006	lghtng78@earthlink.net	
	Electrical Technologies, Inc.	F	Jennifer Benkosky	(336) 578-7274	jenniferb@etiteam.com	
	MECI & Associates, Inc.	F	Wanda Mathis	(336) 667-1230	wanda@meciassociates.com	
	Elrod Electrical Service	F	Christina Bowman	(336) 852-7776	chris_elrod@bellsouth.net	
	Beco, Inc	F	Lorraine Saunders	(336) 889-3477	dougp@becoinc.com	bids@becoinc.com
	KAD Construction	F	Kathleen Hyatt	(919) 790-2323	khyatt@kadconstruction.com	
	Besco Electric Corporation	H	Mayra Caylor	(704) 892-4200	m.caylor@bescoelectrical.com	
	Innovative Security Solutions	B	Ronard Dixon	(704) 376-3353	rcdixonsr@issolutions.net	
	Providence Building Systems	F	Cory Clark	(704) 806-2724	mail@pbs-wbe.com	
	M-W Electric	AI	Kimberly Woods	(910) 843-9811	kwoods@mwec.biz	
	YES Real Estate Construction Group Inc.	B	Darmel Lee	(704) 277-3948	dlee@yesrecg.com	ayelverton@yesrecg.com
	Seismic Control & Isolation	F/NC SBE	Elizabeth Ennis	(704) 504-8780	aimee@seismiccontrol.com	kristi@seismiccontrol.com
Engineering Services - Site Related						
	JC Waller & Associates	B	Juhann Waller	(336) 697-2637	jwaller@jcwaller.com	
	CES Group Engineers, LLP	F	Judy Heleine	(704) 489-1500	jheleine@ces-group.net	
	Capstone Civil Engineering, Inc.	B	Charles Brown	(980) 722-4194	cbrown@capstonecivilcompanies.com	
	HICAPS-C2	B	Ursula Williams	(336) 669-4450	ursula@c2contractorsllc.com	daniel@hicaps.com
	A.L.R. Architecture, PC	A/YES	Min Lee	(704) 348-2699	b.ashlin@alr-arch.com	
	CLH Design PA	F/NC SBE	Melissa Richards	(919) 319-6716	mrichards@clhdesignpa.com	
	Construction Concepts and Design, Inc.	B/NC SBE	Clifford McClain	(336) 488-7112	constructionconceptsanddesign@gmail.com	
	HLM Group	H/NC SBE	Monika Prainito	(980) 313-9393	info@himgrouponline.com	
Exterminators						
	Arrow Exterminators	F	Mary-Ellen Goforth	(336) 273-6253	imarrow@aol.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Boller Logistics, LLC	B/NC SBE	Michelle Boller	(980) 237-4881	bollertransport@gmail.com	
Fencing						
	Allied Fence Company of Greensboro	F	Angela Perkins	(336) 292-6666	angela@alliedfencegso.com	
	Piedmont Fence Inc	F	Carrie West	(336) 764-1163	cwest@piedmontfence.com	

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	Scott Fence Company	F	Brenda Scott	(919) 734-2271	gscott234@bellsouth.net	
	Allied Fence Company, Inc.	F/NC SBE	Kelly Crain	(919) 783-8530	alliedfence@mindspring.com	
Fire Protection Specialties						
	Stuart Page Company, Inc	F	Kim Page	(704) 545-0695	kim@stuartpagecompany.com	
	Fire Protection Supply	F	Nancy Kluttz	(704) 363-4084	fpsupply@aol.com	
	R.S. Blythe, Inc.	F/NC SBE	Jan Blythe	(704) 391-0667	jan@blytheandassoc.com	
	Enviro-Equipment	F/NC SBE	Brian Chew	(888) 274-8929	brianchew@enviro-equipment.com	
	Fire Protection Supply	F/NC SBE	Nancy Kluttz	(704) 363-4084	fpsupply@aol.com	
	Elite Safety Solutions, LLC	B/NC SBE	Kevin McLaurin	(336) 298-1438	info@elitesafetync.com	
Fire Sprinklers						
	Caryl Mechanicals dba The Boswell Group	F/NC SBE	Libby Caryl	(704) 289-8986	lcaryl@theboswellgroup.com	
Firestopping						
	Firestop Carolinas	F	Pamela Wellons	(704) 662-7720	pamw@firestopcarolinas.com	robin@firestopcarolinas.com
	R.S. Blythe, Inc.	F/NC SBE	Jan Blythe	(704) 391-0667	jan@blytheandassoc.com	
Flooring						
	Anointed Flooring	B	Camisha Farris	(704) 510-8906	cfarris@anointedflooring.com	
	Garmon & Company	F	Bettye Garmon	(704) 331-0886	bettye@garmonandcompany.com	
	Black Contracting	F/NC SBE	Lois Black	(704) 694-3200	blackcontracting@hotmail.com	
	Lomax Tile & Stone Supply	F	Laura Hannah	(828) 669-2988	lhannah@lomaxtile.com	
	The AZ Group Contractors	H	Asael Ramos	(980) 207-4561	theazgroup3@aol.com	
	Carolina Custom Installation	F	Sally Nichols	(704) 568-7277	sally@cci-floors.com	
	Mekki Modular Systems	B	Gamal Mekki	(704) 676-0050	mekmodsys@gmail.com	
	Carolina Sports Floors, LLC	F	LuAnne Serpas	(336) 317-8218	sales@carolinasportsfloors.com	
	Santis Flooring Services	H	Rodolfo Santis	(336) 674-5972	santisflooringserviceinc@gmail.com	
	Funderburk Unlimited Services, Inc.	B	Kenneth Funderburk	(704) 363-0383	funderburkunlimitedsrv@gmail.com	
	Vision Flooring	F	Vickie Kindred	(704) 921-2591	vkindred@visionflooring.com	
	University Flooring Solutions	B	William Smallwood	(980) 939-3860	smallwcarp@gmail.com	
	Diamond Touch Construction	B	Andrea Pettitt	(919) 787-3838	officemanager@diamonddtouch.net	aly@diamonddtouch.net
	Regional Construction Corp	B	Orlando McClean	(704) 426-3701	orlandoamcclean@gmail.com	
	United Painting Services	H	Leonardo Andrade	(704) 962-0563	leo@unitedpaintingservices.com	
	Karma Contracting	B/NC SBE	Karim Razzak	(336) 757-6984	karmacontractinginc@gmail.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
General Trades						
	Access Services	B/NC SBE	Kevin Smith	(704) 644-5529	kevin@access-services.biz	frank@access-services.biz
	BSL Galbreath	B	Artis Galbreath	(980) 722-0878	g_artis@bellsouth.net	

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	ML Builders	B/NC SBE	Shawn McCullough	(864) 275-2664	shawn@mlbuilderssc.com	
	NC Interiors Contracting	H	Nancy Palacios	(704) 529-0140	nancy@ncinteriorcontracting.com	
	Diamond Touch Construction	B	Andrea Pettitt	(919) 787-3838	officemanager@diamonddtouch.net	aly@diamonddtouch.net
	Nia Construction	B	Harold Seymour	(704) 957-4722	harry.seymour@niaconstruction.com	
	Queen Boss Properties, LLC	B/NC SBE	Robert Grooms	(704) 778-1008	queenbossproperties@gmail.com	
	Sterling Construction Services	B/NC SBE	Lee Addo	(336) 978-2631	laddo@sterlingconstructionservices.net	
	Regional Construction Corp	B	Orlando McClean	(704) 426-3701	orlandoamcclean@gmail.com	
	R.S. Blythe, Inc.	F/NC SBE	Jan Blythe	(704) 391-0667	jan@blytheandassoc.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Reliable Solutions Construction	H	Johanna Suarez	(704) 449-3542	johanna@reliablerestorations.net	
	Chavis' Inc	AI	Fitzgerald Chavis	(910) 844-2000	fitz.chavis@chavisinc.com	
	All-Pro Builders & Restoration	B	Gerald Carr	(704) 915-9674	allprobuiders1@yahoo.com	
	Black Contracting	F/NC SBE	Lois Black	(704) 694-3200	blackcontracting@hotmail.com	
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
	Heartland Contracting Company	F	Judy Moore	(704) 882-3004	jmoore@heartlandnc.com	dmoore@heartlandnc.com
	Double D Construction Services, Inc.	F/NC SBE	Tracy Doub	(336) 922-4126	ddtrucking@triad.twcbc.com	sstanley@triad.twcbc.com
	Karma Contracting	B/NC SBE	Karim Razzak	(336) 757-6984	karmacontractinginc@gmail.com	karmastainseal@gmail.com
	Marand Builders	H	Francisco Alvarado	(704) 525-1824	falvarado@marandbuilders.com	rbibeau@marandbuilders.com
	HICAPS-C2	B	Ursula Williams	(336) 669-4450	ursula@c2contractorsllc.com	daniel@hicaps.com
	Nichols Custom Builders & Design	B	Kwesi Nichols	(704) 400-6786	support@nicholscustombuildersanddesign.com	
	ASJ Wilson Constructuon	B	Josephus Wilson	(336) 272-7722	estimator@asjwilsonconstruction.com	
	C2 Contractors, LLC	B/NC SBE	Ursula Williams	(336) 669-4450	ursula@c2contractorsllc.com	
	HICAPS Inc	D	Daniel Hood	(336) 665-1234	daniel@hicaps.com	
	Holt Brothers Construction LLC	B	Terrence Holt	(919) 787-1981	terrence@holtbrothersinc.com	
	McFarland Construction	B	Tutino McFarland	(704) 249-6513	tmcfarland@mcco-us.com	
	Walter B. Davis Company	B	Walter B. Davis	(704) 358-3793	wbd@wbdavisco.com	
	W.C. Construction Company, LLC	B	William Cockerham	(336) 231-2622	info@wccconstructionco.com	
	RFI Construction Services, LLC	B	Rupert Burrows	(336) 215-2067	rburrows@rficonstruction.com	
	Modern Construction Services LLC	F/NC SBE	Tracy Snowdy	(704) 756-0037	tsnowdy@modernconstructionsvc.com	
Glass/Glazing/Windows						
	A1 Glass & Aluminum	AI/NC SBE	Walter Baucom	(704) 528-0541	baucomgroup@carolina.rr.com	
	Capitol Glass Erectors	H	Rosa Alvarez	(704) 712-7517	capitolglasserectors@yahoo.com	
	YMC, Inc	F	Yvonne Kiser	(828) 324-4627	ymcinc@yahoo.com	
	Armen Construction	F/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Capitol Energy Group	B	Norman Jones	(504) 227-1688	nj@capitolenergygroup.com	
	JG Glass LLC	H	Jose Guevara	(443) 474-6785	jglass@live.com	
	Carolina Classic Window & Glass, Inc.	F	Lisa Spencer	(336) 553-2852	frontoffice@ccwginc.com	
	A-1 International Glass, Inc.	F	Kris Johnson	(704) 648-5569	a1international2@yahoo.com	
	Quality Glass Service	F	Tamara Shoemaker	(336) 721-3070	tammy@qualityglassservice.com	

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Hauling/Trucking						
	Silverback Brothers	B/NC SBE	Gregory Faulcon	(704) 755-5292	silverbackbrothersllc@gmail.com	
	Bailey Contracting, Inc	B/NC SBE	Herbert Bailey	(919) 469-9929	kim@baileycontracting.net	
	Buffkin Trucking, Inc	AI	Gary Buffkin	(704) 557-5339	buffkintruckinginc@gmail.com	
	Mugo Gravel & Grading, Inc.	F/NC SBE	Kay Christy	(704) 782-3478	kchristy@mugoinc.com	wcranford@mugoinc.com
	D's Trucking Service Inc	F/NC SBE	Debra Pressley	(704) 882-9873	datdstruck@aol.com	
	All Points Trucking, Inc.	F/NC SBE	Jennine Hill	(704) 588-9447	allpointtrucking@aol.com	
	Glaze Independent Trucking, LLC	B	Delmar Glaze	(704) 222-9099	glazeindependenttrucking@gmail.com	
	Redstone Materials Inc	AA	Radik Ruvim	(704) 960-9462	office@redstonematerials.com	
HVAC/Mechanical						
	Superior Mechanical Systems	B	Leonard Burch	(704) 335-1942	prossell@superiormsinc.com	lburch@superiormsinc.com
	Quate Industrial	F	Rusty Quate	(919) 596-5963	rquate@quateindustrial.com	shiggins@quateindustrial.com
	Wallace Mechanical Supply	B	Wallace Funderburk	(843) 537-4277	inc_wallace@bellsouth.net	
	A1 Quality	AI	Christy Senior	(704) 331-9294	seniorc@bellsouth.net	
	Unitary Systems	F/NC SBE	Elaine Avery	(919) 400-5902	eavery@unitarysystems.com	
	TEW Equipment Solutions	F	Lynn Tew	(704) 573-5476	ltew@tewequipment.com	
	FM Supplies	B	Fassil Mitiku	(336) 391-8653	fmitiku@triad.rr.com	
	GP Supply Company	B	Antonio Wallace	(336) 274-7615	awallace@gpsupplycompany.com	david@gpsupplycompany.com
	Guilford Plumbing Supply	F/NC SBE	Brad Yates	(336) 274-3761	byates@guilfordplumbingsupply.com	smccraw@guilfordplumbingsupply.com
	E. Luke Greene Company	F	Jeff Jones	(865) 933-4807	jeffjones@elukegreene.com	josephine@elukegreene.com
						steve@elukegreene.com
	Eastern Power Technologies	F	Shelby Jones	(704) 200-3645	shelby.jones@easternfirst.com	
	The Barr Group of Nashville, Inc.	F	James Murray	(615) 574-7176	james@barrgroupinc.com	
	Chavis' Inc	AI	Fitzgerald Chavis	(910) 844-2000	fitz.chavis@chavisinc.com	
	Caryl Mechanicals Inc dba The Boswell Group	F/NC SBE	Libby Caryl	(704) 289-8986	lcaryl@theboswellgroup.com	
	Air One Mechanical Contractors, Inc.	B/NC SBE	Billy Massey	(704) 946-2751	billymassey.airone@gmail.com	
	Dosan Corp	H/NC SBE	Jose Dominguez	(704) 234-0324	dosancorp@gmail.com	
	Lloyd's Air Conditioning and Heating	B/NC SBE	Winston Sharpe	(704) 488-4996	lloydsheatingandair@gmail.com	
	Elite Executive Services LLC	B/NC SBE	Anthony Brown	(704) 998-9001	anthony@eliteexecsnc.com	
	Seismic Control & Isolation	F/NC SBE	Elizabeth Ennis	(704) 504-8780	aimee@seismiccontrol.com	kristi@seismiccontrol.com
Insulation						
	A1 Quality, Inc	I	Christy Senior	(704) 331-9294	seniorc@bellsouth.net	
	E. Luke Greene Company	F	Jeff Jones	(865) 933-4807	jeffjones@elukegreene.com	josephine@elukegreene.com
						steve@elukegreene.com
	Melco & Associates, Inc	HA	Melissa Alejandrop	(704) 348-4588	melissa@melcofirestopping.com	
	FJP Insulators, Inc	F	Maria Pellegrino	(919) 772-5012	fjpinsulators@raleigh.twcbc.com	
	Reliable Insulation Enterprise	F	Vernie Pettit	(704) 732-8444	vernied@reliableinsulation.net	
	G&T Insulation Services	H	Javier Gonzalez	(336) 345-6480	gandtinsulationservices@gmail.com	

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	R&F Insulation Group	H	Brian Ramirez	(704) 298-5514	bramirez229@gmail.com	erami4845@gmail.com
	Modern Construction Services LLC	F/NC SBE	Tracy Snowdy	(704) 756-0037	tsnowdy@modernconstructionsvc.com	
Landscaping/Erosion Control						
	Sides Contracting Company	F	Susan Sides	(336) 249-8300	regina@sidesseeding.com	
	Dunlap Lawn Service	F	Karen Mills	(336) 282-3636	dlsinc@dunlaplawnservice.com	
	Mid Atlantic Erosion Control, Inc.	AA	Catherine Fowler	(704) 483-1100	maerosion@yahoo.com	
	Union Grove Landscape	F	Kim Baucom	(704) 233-0253	baucm1@aol.com	
	Canady's Landscape & Erosion Control	F/NC SBE	Stefania Canady	(336) 236-1182	canadyserosion@gmail.com	canadyslandscaping@gmail.com
	Carolina Environmental Contracting, Inc.	F	Joanne Cheatham	(336) 320-3849	ceci@carolinaenvironmentalcontracting.com	
	Grants Creek Nursery	F/NC SBE	Meredith Croom	(910) 353-0326	grantscreeknursery@yahoo.com	
	Academic Landscaping	B	Kinson Desmangles	(704) 981-1774	kinson@academiclawn.com	
Masonry						
	G&Y Masonry	B	George West	704-906-2243	george.west@gymasonryinc.com	
	Gray Circle Material Sales	F	Julie Griffin	(704) 351-0183	jgriffin@griffinmasonry.com	
	Johnson Concrete Company	F	Gregg Swartz	(704) 363-9839	gswartz@johnsoncmu.com	
	P & D Architectural Precast	F	Gladys adkins	(252) 566-9811	pdarchprecast@gmail.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	The Masonry Company, Inc.	H	Jennifer Martinez	(336) 492-2685	jennmtz@aol.com	
	Honeycutt Masonry, Inc.	F/NC SBE	Misty Honeycutt	(704) 902-0325	mhoneycutt@yadtel.net	
	Johnson & Johnson Masonry	B/NC SBE	Cathey Johnson	(336) 288-8813	nj423@bellsouth.net	
Millwork/Casework						
	KID Construction Company	B/NC SBE	Kevin Burns	(704) 277-4679	ida@kidconco.com	
	E & E Bravo Countertops	H	Maria Bravo	(704) 208-0144	edizbra@msn.com	
	Nichols Custom Builders & Design, Inc	B	Kwesi Nichols	(704) 400-6786	support@nicholscustombuildersanddesign.com	
	Reliable Solutions Construction	H	Johanna Suarez	(704) 449-3542	johanna@reliablerestorations.net	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	Carolina Custom Millwork	F	Jean Kamens	(704) 375-6030	jean@carolinacustommillwork.com	
Painting						
	United Painting Services	H	Leonardo Andrade	(704) 962-0563	leo@unitedpaintingservices.com	
	Nichols Custom Builders & Design, Inc	B	Kwesi Nichols	(704) 400-6786	support@nicholscustombuildersanddesign.com	
	Starlight Painting Contractors	H	Marvin Reyes	(704) 453-1441	marvinhreyes@gmail.com	marvin.reyes@starlightpaintingnc.com
	Bobby's Painting	B	Tay Brooks	(704) 394-5124	bobbyspaint@bellsouth.net	
	The AZ Group Contractors	H	Asael Ramos	(980) 207-4561	theazgroup3@aol.com	
	Painting The Carolinas	F	Charleen Goolsby	(704) 827-0210	linda@paintingthecarolinas.com	info@paintingthecarolinas.com
	Mecklenburg Paint Company	F	Liz Etheredge	(704) 944-1641	liz@meckpaint.com	david@meckpaint.com
	Southern Paint & Waterproofing	F/NC SBE	Jane Douth	(336) 378-1103	jane@spwcinc.com	

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	ASKI Services Company	B	Miranda Moore	(980) 226-8307	askiservicesus@gmail.com	
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
	NJR Construction LLC	B	Edward Roper	(704) 258-1531	edroper.njrconstruction@gmail.com	
	Diamond Touch Construction	B	Andrea Pettitt	(919) 787-3838	officemanager@diamonddtouch.net	aly@diamonddtouch.net
	NC Interiors Contracting	H	Nancy Palacios	(704) 529-0140	nancy@ncinteriorcontracting.com	
	Piedmont Stucco	H	Faye Fenske	(704) 504-1313	piedmontstucco.estimating@gmail.com	
	Regional Construction Corp	B	Orlando McClean	(704) 426-3701	orlandoamcclean@gmail.com	
	Karma Contracting	B/NC SBE	Karim Razzak	(336) 757-6984	karmacontractinginc@gmail.com	
	Boller Logistics, LLC	B/NC SBE	Kaylen Boller	(704) 905-9817	kbollerlogistics@gmail.com	bollertransport@gmail.com
Pavers						
	A. M. Unit Pavers, LLC	F	Angela Michaud	(704) 309-4469	ampavers@gmail.com	
Plumbing						
	Caryl Mechanicals Inc dba The Boswell Group	F/NC SBE	Libby Caryl	(704) 289-8986	lcaryl@theboswellgroup.com	
	Reliable Insulation Enterprises	F	Vernie Pettit	(704) 732-8444	vernie@reliableinsulation.net	
	Unitary Systems	F/NC SBE	Elaine Avery	(919) 400-5902	eavery@unitarysystems.com	
	FM Supplies	B	fassil Mitiku	(336) 391-8653	fmitiku@triad.rr.com	
	GP Supply Company	B	Antonio Wallace	(336) 274-7615	awallace@gpsupplycompany.com	david@gpsupplycompany.com
	Guilford Plumbing Supply, Inc	F/NC SBE	Brad Yates	(336) 274-3761	byates@guilfordplumbingsupply.com	smccraw@guilfordplumbingsupply.com
	A1 Quality, Inc	I	Christy Senior	(704) 331-9294	seniorc@bellsouth.net	
	Quate Industrial	F	Rusty Quate	(919) 596-5963	rquate@quateindustrial.com	
	Eastern Power Technologies	F	Shelby Jones	(704) 200-3645	shelby.jones@easternfirst.com	
	The Barr Group of Nashville, Inc.	F	James Murray	(615) 574-7176	james@barrgroupinc.com	
	Wallace Mechanical Supply	B	Wallace Funderburk	(843) 537-4277	inc_wallace@bellsouth.net	
	Chavis' Inc	AI	Fitzgerald Chavis	(910) 844-2000	fitz.chavis@chavisinc.com	
	Seismic Control & Isolation	F/NC SBE	Elizabeth Ennis	(704) 504-8780	aimee@seismiccontrol.com	kristi@seismiccontrol.com
Pre-Engineered Structures						
	DWS Steel Structures, Inc.	F	Marie Anderson	(336) 996-0500	marie@dws-structures.com	
Roofing						
	Radco Construction Services	F	Jann Rademacher	(704) 392-0850	radcobd@radcoconstruction.com	radcoestimating@radcoroofing.com
	Rescue Construction Solutions, Inc	B/NC SBE	Patti Celestini	(919) 615-1759	pcelestini@rescue-cs.com	
	DLT Roofing	AI/NC SBE	Teresa Tedder	(919) 339-7955	dltroofing@yahoo.com	
	Pierce Roofing Supplies	F	Patricia Warf	(704) 489-0716	piercerooingsupplies@gmail.com	
	DWS Steel Structures, Inc.	F	Marie Anderson	(336) 996-0500	marie@dws-structures.com	
	Rike Roofing Services	F	Allen Hughes	(704) 651-1969	allen@rikerooofing.com	
	KIG Construction & Building Materials	B	Kenneth Gaut	(704) 222-8422	kigconstruction2013@gmail.com	
	Modern Construction Services, LLC	F/NC SBE	Tracy Snowdy	(704) 756-0037	tsnowdy@modernconstructionsv.com	

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	Sunrise Roofing, Inc.	F/NC SBE	Patricia Wilson	(336) 627-5888	pwilson48@triad.rr.com	
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
Security & Safety						
	SAF Technologies	F	Alison Weeks	(704) 844-0955	alison.parrish@saftechnologies.com	alan.weeks@saftechnologies.com
	M-W Electric	AI	Kimberly Woods	(910) 843-9811	kwoods@mwec.biz	
	Affinity Systems, LLC	H/NC SBE	Telea Paettie	(704) 561-3169	cltofficemgr@security101.com	
	ML Builders	B/NC SBE	Shawn McCullough	(864) 275-2664	shawn@mlbuilderssc.com	
	IST2-Integrated System Tech & Telcom Inc	B/NC SBE	Johnny Mason	(803) 543-6134	jcmason@ist2.com	
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
Signage						
	Richa Graphics	A	Kathryn Rohera	(704) 331-9744	northend@richa.com	
	Ground Effects	F	Lynn Pressley	(704) 821-9552	gndeff1@aol.com	
	AOA Signs	F	Joy Kay	(336) 679-3344	joyk@aoasigns.com	
	Fastsigns of Mooresville	AA	Div Bhingradia	(704) 360-3805	div.bhingradia@fastsigns.com	
	Precision Signs	F/NC SBE	Laurie Peach	(919) 615-0979	LauriePeach@precisionsignsnc.com	
	Fastsigns	F	Angela Riddle	(336) 887-2923	angela.riddle@fastsigns.com	
	RA Signs Inc	B	Roz-Kareem Jackson	(704) 890-4247	info@rasigns.com	
	Rite Lite Signs, Inc.	F	Renae Hartsell	(704) 788-7097	rhartsell@ritelitesigns.com	
	MV Momentum Construction	F/NC SBE	Steve Meachum	(704) 672-6033	smeachum@mvmomentum.com	bmeachum@mvmomentum.com
Site Work						
	Pedulla Excavating & Paving	F	Dominick Pedulla	(704) 663-0017	dominick@pedullaexcavating.com	
	Locke-Lane Construction Inc	D	Andrew Sherrill	(704) 585-6625	dsherrill@lockelaneconstruction.com	
	Siteworks	F	Melissa Bovit	(704) 588-3055	mbovit@siteworks-llc.com	
	Black Contracting	F/NC SBE	Lois Black	(704) 694-3200	blackcontracting@hotmail.com	
	Rumburg Grading	F	David Rumburg	(336) 595-8830	rumburggrading@earthlink.net	
	Page and Associates Inc.	F	Mary Jane Scotte	(336) 996-5013	mjscott.pa@triadbiz.rr.com	
	Mid Atlantic Erosion Control, Inc	AA	Catherine Fowler	(704) 483-1100	maerosion@yahoo.com	
	Oliver Paving	F	Ruth Oliver	(704) 392-2462	oliver@oliverpaving.com	
	Dakota Contracting Company	AI	Mike Starkey	(704) 588-5567	mike@dakotaco.com	
	L.T. Hedrick Construction Co dba Hendrick Grading & Paving	F	Tammy Hedrick	(336) 746-5115	tammy@lthedrick.com	
	Mugo Gravel & Grading, Inc.	F/NC SBE	Kay Christy	(704) 782-3478	kchristy@mugoinc.com	wcranford@mugoinc.com
	Redstone Materials Inc	AA	Radik Ruvim	(704) 960-9462	office@redstonematerials.com	
	Vistabution, LLC	B	Clarence Mann	(877) 288-9656	cmann45@bellsouth.net	
	Clement Construction Corporation	B/NC SBE	Phillip Clement Sr.	(336) 661-2488	clementconst@yahoo.com	
	Double D Construction Services, Inc.	F/NC SBE	Tracy Doub	(336) 922-4126	ddtrucking@triad.twcbc.com	sstanley@triad.twcbc.com
	Elevated Environmental Corporation	F/NC SBE	Stephanie Gower	(800) 718-7144	info@elevatedenvironmental.com	

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	Bailey Contracting, Inc	B/NC SBE	Herbert Bailey	(919) 469-9929	kim@baileycontracting.net	
Steel & Misc Metals Fabrication						
	Gastonia Iron Works	F/NC SBE	Katherine Pace	(704) 827-1146	giv@gastoniaironworks.com	
	National Erectors Rebar	I	Jeffery Jones	(910) 618-9200	mlocklearne@yahoo.com	
	Adriana Lopez dba Lopez Rebar	H/NC SBE	adriana Lopez	(704) 707-7921	itonylopez2010@hotmail.com	
	Threadline Products	F	Lenore Lemmond	(704) 527-9052	lenore@threadlineproducts.com	
	Carolina Fab	F	Debbie Evans	(704) 820-8694	devans@carolinafabinc.com	
	Commercial Fabricators	I	Richard Tucker	(828) 465-1010	nelliott@commfab.com	
	Carolina Structural Welding & Steel	H	Aurelia Chacon	(980) 307-1706	achacon@carolinasw-inc.com	
	Custom Sheetmetal Services	F/NC SBE	Peggy Lee	(919) 282-1070	leep@custom-sheetmetal.com	
	Structural Steel of Carolina, LLC	F	Michael Parnell	(336) 354-4159	mparnell@steelofcarolina.com	
	W & W Crane and Rigging	F/NC SBE	Daniel Lizotte	(336) 442-0167	dlizotte@wandwcrane.com	
	Ogeechee Steel, Inc.	I	Janet Johnson	(478) 237-2770	bperossa@ogeecheesteel.com	
	L & L Metals, Inc.	B	Lynn Cauthen	(704) 372-9458	lynn@landlmetals.com	
	M&C Investments dba Cochrane Steel	F	Brian Hartis	(704) 291-9330	brian@cochranesteelusa.com	
	Border Rebar	H/NC SBE	Bruce Rangel	(704) 675-5313	bruce@borderrebar.com	
Striping						
	James Seals & Stripes	F/NC SBE	Jeannie Reid	(704) 202-0404	jeannie@jss-inc.com	
	Luvall Asphalt Services	B	Donald Britten	(980) 256-2807	luvallasphaltservices@gmail.com	paving@luvallasphaltservices.com
	Armen Construction	H/NC SBE	Victor Ariza	(704) 953-7459	armencontractors@aol.com	
Telecommunications						
	Network Cabling Systems	H/NC SBE	Louis Romero	(704) 523-8606	elizabeth@networkcablingsystems.com	max@networkcablingsystems.com
	Innovative Security Solutions	B	Ronard Dixon	(704) 376-3353	rcdixonsr@issolutions.net	
	Protech Systems an NBS Technology Company	B	Phanuel Nueman	(704) 296-2894	phan@nbstechnology.com	
	AJT Technology Designs, Inc.	B	Todd Hill	(630) 447-9896	todd.hill@ajttechnology.com	
	C2 Contractors, LLC	B/NC SBE	Ursula Williams	(336) 669-4450	ursula@c2contractorsllc.com	
Temporary Labor Services						
	ProCon Staffing	F	Cindy Brock	(888) 519-0347	cbrock@procstaff.com	
	Harris Ventures, Inc. dba Staff Zone	F	Sherri Harris	(770) 645-6134	cdeluca@thestaffzone.com	
	Access Services	B/NC SBE	Kevin Smith	(704) 644-5529	kevin@access-services.biz	frank@access-services.biz
	Boller Logistics, LLC	B/NC SBE	Michelle Boller	(980) 237-4881	bollertransport@gmail.com	
	Focus Staffing Agency	B/NC SBE	Michael Watson	(336) 770-2693	mwatson@focusstaffingagency.com	

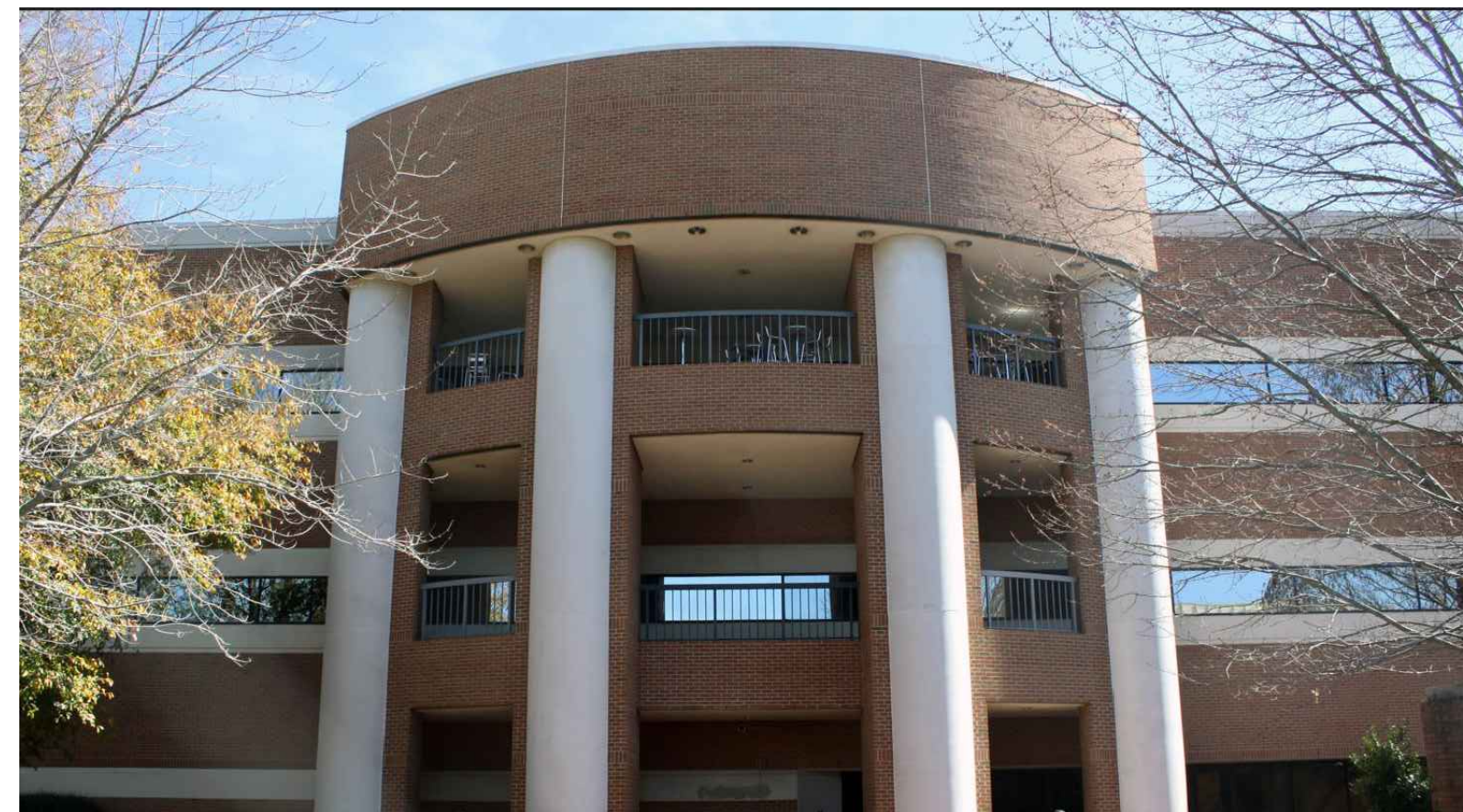
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Test & Balance					
	Mullinax TAB, Inc	F	Ed Mullinax	(864) 649-1091	ed@mtabinc.com
	Airflow Experts	F	Candy Clarke	(888) 229-1477	candyclarke@airflowexperts.com
Toilet Particions & Accessories					
	Southern Door Supply Co, Inc.	F/NC SBE	Kathleen Fennell	(704) 332-4460	kfennell@southerndoorsupply.com
	Stuart Page Company, Inc	F	Kim Page	(704) 545-0695	kim@stuartpagecompany.com
Traffic Control					
	Roadmasters Traffic Control LLC	F/NC SBE	Amanda Huffman	(704) 585-9635	roadmasterstc@att.net
	Ground Effects, Inc.	F	Lynn Pressley	(704) 821-9552	GNDEFF1@aol.com
Utilities					
	M-W Electric	AI	Kimberly Woods	(910) 843-9811	kwoods@mwec.biz
	Calamar, Inc.	F	Pamela Lane	(919) 969-1574	planep1@aol.com
	Locke-Lane Construction Inc	D	Andrew Sherrill	(704) 585-6625	dsherrill@lockelaneconstruction.com
	AMP Utility Distribution Services	F	Alleyn Pool	(704) 248-8100	amputility@aol.com
	Dakota Contracting Company	AI	Mike Starkey	(704) 588-5567	mike@dakotaco.com
	ML Builders	B/NC SBE	Shawn McCullough	(864) 275-2664	shawn@mlbuilderssc.com
	Samson Construction Inc	B/NC SBE	Samuel Toliver	(336) 831-7098	samsonconstruction@samsonsinc.com
Waterproofing/Air Barrier/Joint Sealants/Thermal & Moisture Protection					
	Taylor Interiors, LLC	B/NC SBE	Tarris Arnold	(704) 886-4813	taylorinteriorsllc@yahoo.com
	Waterproofing Specialties	H	Tamara Guilliams	(704) 489-2099	tamig@wsi-nc.com
	Melco & Associates	H	Melissa Alejandro	(704) 348-4588	melissa@melcofirestopping.com
	A1 Quality Inc	AI	Kenny White	(704) 331-9294	seniorc@bellsouth.net
	Triangle Caulking & Waterproof	F	Gwen Macdonald	(919) 556-2983	trianglecaulk@aol.com
	Elevated Environmental Corporation	F/NC SBE	Stephanie Gower	(800) 718-7144	info@elevatedenvironmental.com
	Southern Paint & Waterproofing	F/NC SBE	Jane Douth	(336) 378-1103	jane@spwcinc.com
Window Treatments					
	Contract Window Treatments Inc	F	Sharon Segall	(336) 299-1091	sharon@contractwindowtreatmentsinc.com
	Express Blinds	F	Wanda Bradley	(704) 881-2398	expressblindservice@gmail.com
	TPS Investments dba The Original Blindman	F/NC SBE	Debra Garland	(704) 454-7040	theblindmanoffice@vnet.net
	First Time Around LLC	B/NC SBE	Kimberly Brown	(252) 267-0457	firsttimearound2@gmail.com
	Interior Motives by Will Smith LLC	B/NC SBE	Will Smith	(704) 756-8424	interiormotivesws@yahoo.com



CHARLOTTE

FRIDAY BUILDING



REESE BUILDING



UNC AT CHARLOTTE

REESE & FRIDAY ROOFS

SCO ID No. 22-24654-01

CODE: 42126 ITEM: 320

ENGINEERING CONSULTANT



2701 Westport Rd
Charlotte, NC 28208

Vu The Nguyen, EI, RRC, RWC, BECxP, CxA+BE
Senior Facilities Professional | Facilities
e: vu.nguyen@terracon.com
p: 704.594.8931

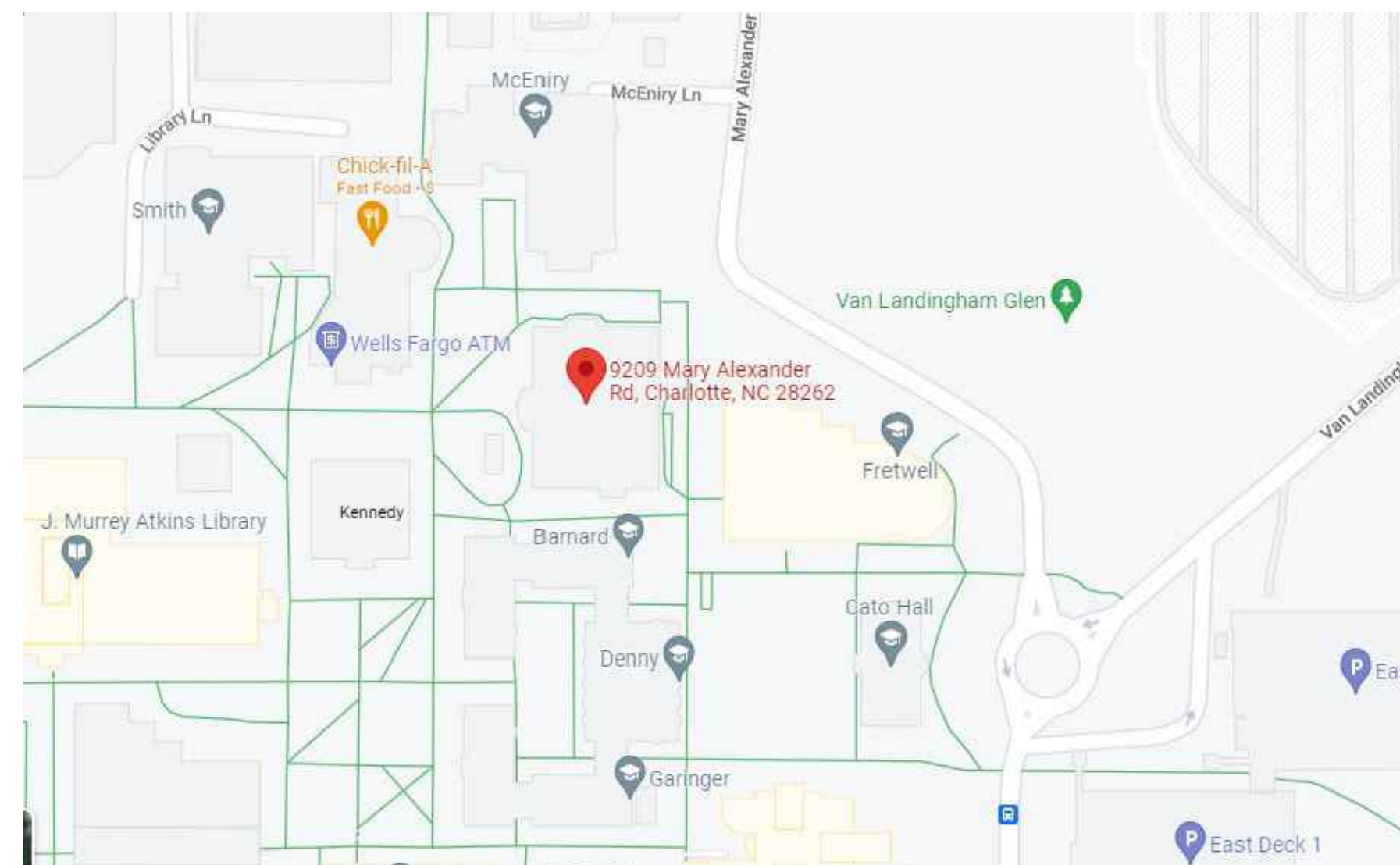
Thomas Lambdin, EI
Field Engineer | Facilities
e: thomas.lambdin@terracon.com
p: 704.594.8924

Project Addresses

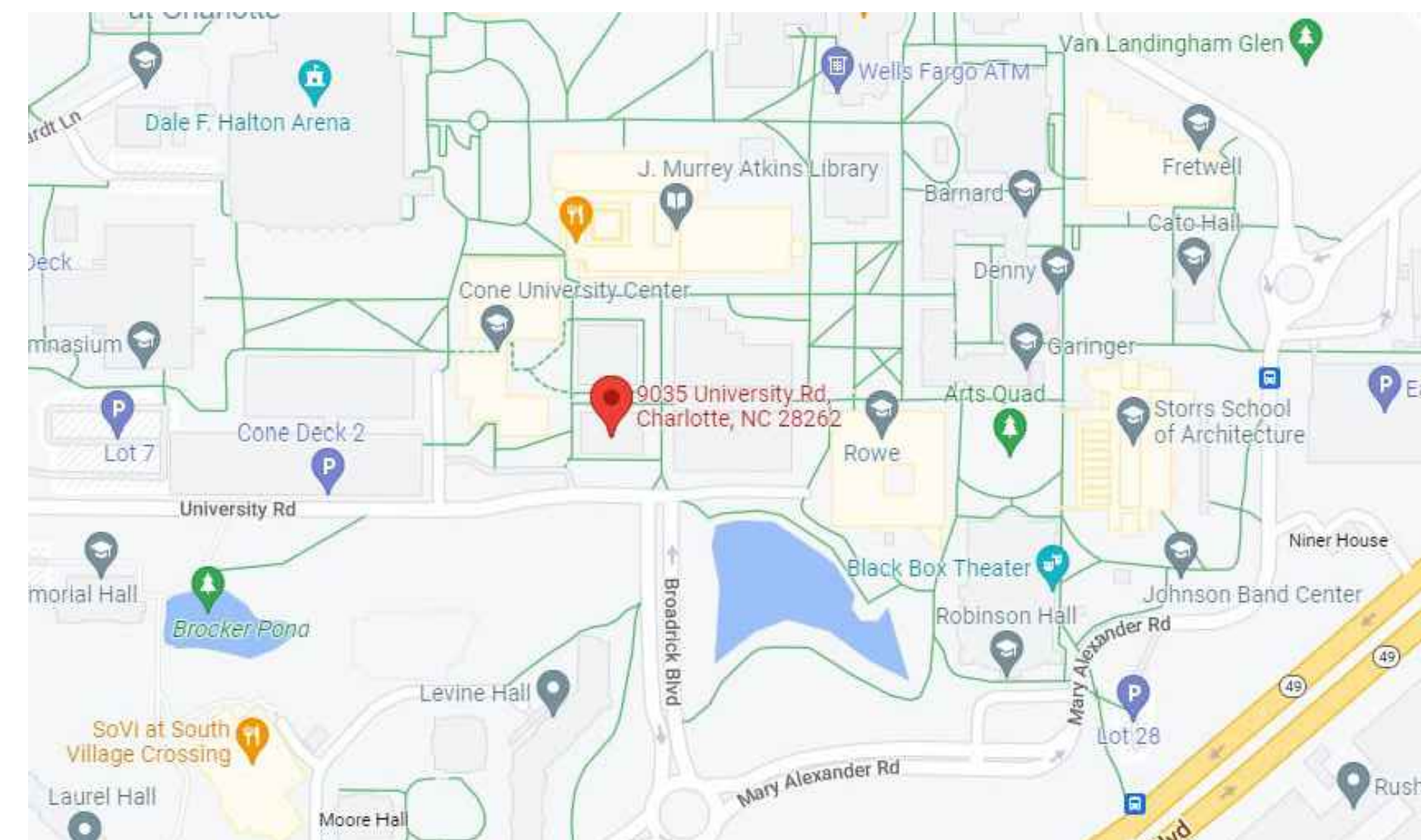
FRIDAY BUILDING
9209 MARY ALEXANDER ROAD
CHARLOTTE NC, 28262

REESE BUILDING
9035 UNIVERSITY ROAD
CHARLOTTE, NC 28223

PROJECT LOCATION



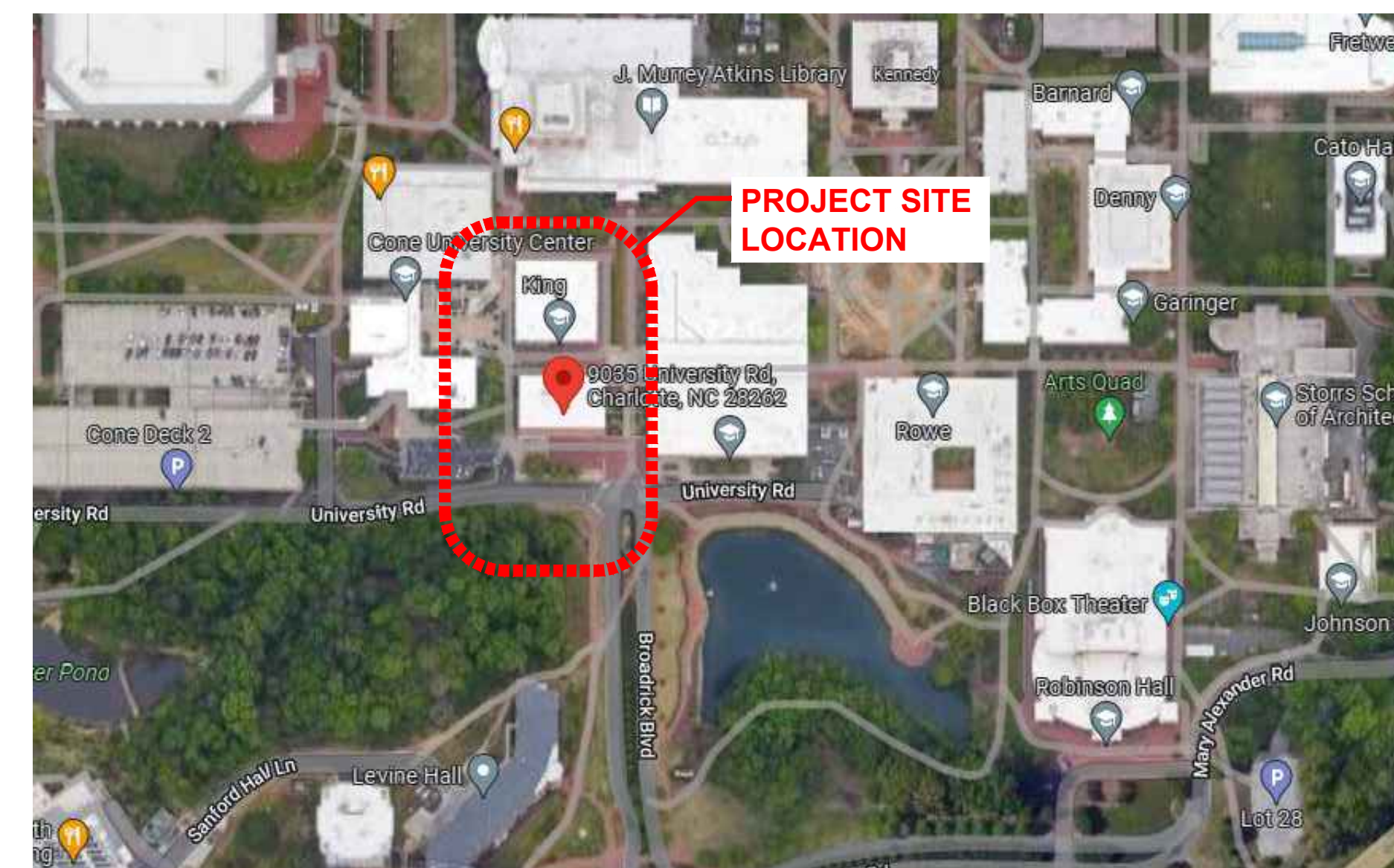
FRIDAY BUILDING VICINITY MAP



REESE BUILDING VICINITY MAP



FRIDAY BUILDING LOCATION MAP



REESE BUILDING LOCATION MAP

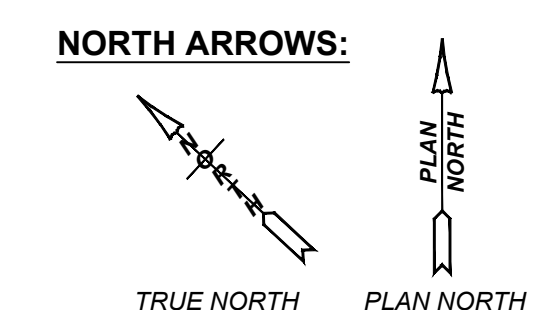
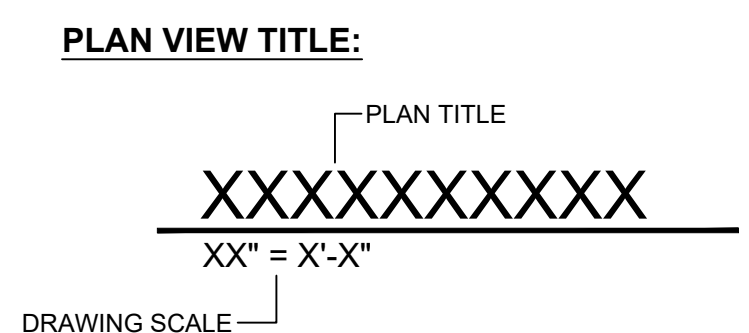
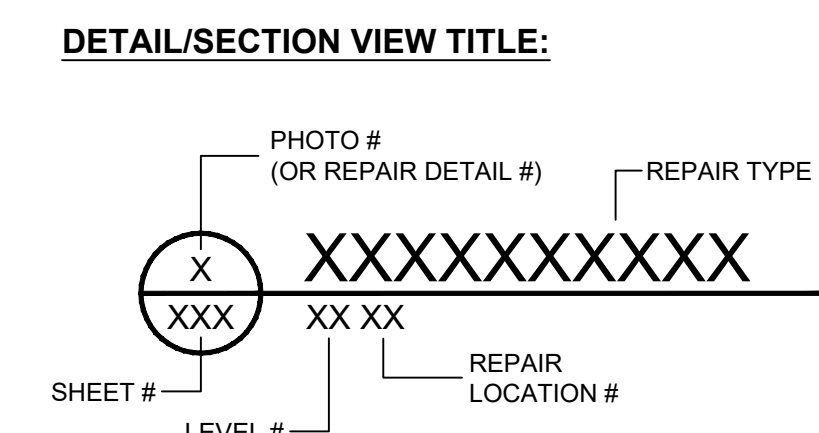
DRAWING INDEX

G-101	COVER SHEET
G-102	CODE SHEET
A-101	FRIDAY BUILDING ROOF PLAN
A-201	REESE BUILDING ROOF PLAN
A-301	FRIDAY BUILDING DETAILS
A-302	FRIDAY BUILDING DETAILS
A-401	REESE BUILDING DETAILS
A-402	REESE BUILDING DETAILS
W-101	FRIDAY BUILDING ANCHOR LAYOUT PLAN
W-102	REESE BUILDING ANCHOR LAYOUT PLAN
W-201	FRIDAY & REESE BUILDING DAVIT SUPPORT DETAILS

ABBREVIATION LIST

OD	OVERFLOW DRAIN
OS	OVERFLOW SCUPPER
DR	DRAIN
FH	FALL HAZARD
SJ	SEALANT JOINT

SYMBOL LEGEND



TERRACON PROJECT NUMBER:
FH226151

ISSUE DATE:
11-22-2022

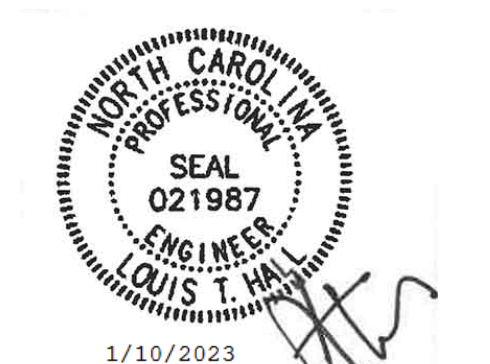
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<input type="checkbox"/>	SURVEY REPORT - REPAIR DOCUMENTS NOT FOR CONSTRUCTION
<input type="checkbox"/>	SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION
<input type="checkbox"/>	DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
<input type="checkbox"/>	PERMITTING / BIDDING
<input type="checkbox"/>	CONSTRUCTION DOCUMENTS
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<input type="checkbox"/>	RECORD DRAWINGS

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		
5		

ENGINEER STATE LICENSE SEAL



DRAWING BID SET NUMBER

TITLE SHEET
COVER SHEET

SHEET NUMBER

G-101

**APPENDIX D
Building Code Summary**

**2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL ROOF PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE - REESE BUILDING ROOF REPLACEMENT
 Address: 9035 UNIVERSITY ROAD, CHARLOTTE NC
 Zip Code: 28223
 Proposed Use: _____
 Owner/Authorized Agent: _____ Phone # (____) _____ - _____
 E-Mail: _____
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County State

LEAD DESIGN PROFESSIONAL:
 DESIGN FIRM: TERRACON CONSULTANTS, INC.
 DESIGN NAME: LOUIS T. HALL
 LICENSE # 021987 TELEPHONE # (704) 594-0269 E-MAIL LOU.HALL@TERRACON.COM

2013 EDITION OF NC CODE FOR: New Construction Recover Repair
 CONSTRUCTED: (date) _____
 REPAIR: (date) _____
 RECOVER: (date) _____

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 (check all that apply) I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary)
 Building Height: (feet) _____

ALLOWABLE AREA
 Occupancy: Assembly

- Prescriptive (ASHRAE 90.1)
- Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)
 Description of assembly: ADDITION OF A REINFORCED ROOF COATING
 U-Value of total assembly: _____
 R-Value of insulation: 15
 Skylights in each assembly: N/A
 U-Value of skylight: N/A
 Total square footage of skylights in each assembly: N/A sq.ft.

ROOF DRAINAGE SYSTEM DESIGN CALCULATION/SIZING

Existing system calculation: EXISTING DRAINAGE SUFFICIENT

Modification to existing system: N/A

New (where none exists) secondary system: N/A

**APPENDIX D
Building Code Summary**

**2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL ROOF PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)**

Name of Project: UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE - FRIDAY BUILDING ROOF REPLACEMENT
 Address: 9209 MARY ALEXANDER ROAD, CHARLOTTE NC
 Zip Code: 28262
 Proposed Use: _____
 Owner/Authorized Agent: _____ Phone # (____) _____ - _____
 E-Mail: _____
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County State

LEAD DESIGN PROFESSIONAL:
 DESIGN FIRM: TERRACON CONSULTANTS, INC.
 DESIGN NAME: LOUIS T. HALL
 LICENSE # 021987 TELEPHONE # (704) 594-0269 E-MAIL LOU.HALL@TERRACON.COM

2013 EDITION OF NC CODE FOR: New Construction Recover Repair
 CONSTRUCTED: (date) _____
 REPAIR: (date) _____
 RECOVER: (date) _____

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 (check all that apply) I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary)
 Building Height: (feet) _____

ALLOWABLE AREA
 Occupancy: Assembly

- Prescriptive (ASHRAE 90.1)
- Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)
 Description of assembly: ADDITION OF 2.6" POLYISOCYANURATE INSULATION AND HD COVERBOARD ON TOP OF EXISTING SYSTEM
 U-Value of total assembly: _____
 R-Value of insulation: 25
 Skylights in each assembly: N/A
 U-Value of skylight: N/A
 Total square footage of skylights in each assembly: N/A sq.ft.

ROOF DRAINAGE SYSTEM DESIGN CALCULATION/SIZING

Existing system calculation: EXISTING DRAINAGE SUFFICIENT

Modification to existing system: N/A

New (where none exists) secondary system: N/A

- Business
- Educational
- Factory F-1 and F-2
- Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
- Institutional
- Mercantile
- Residential R-1 R-2 R-3 R-4
- Storage S-1, S-2, Parking Garage, Repair Garage
- Utility and Miscellaneous

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY
Roof Construction Including supporting beams and joists			

STRUCTURAL DESIGN

DESIGN LOADS:
 Wind Uplift Resistance (This section to be duplicated for each distinct roof area)

Basic Wind Speed 120 mph (ASCE-7)
 Exposure Category B
 Design Pressure (psf):
 Field 45
 Perimeter 70
 Perimeter Width 5 ft
 Corner 95
 Corner Dimension 16

Dead Loads: Existing Roof Load 1 psf
 Replacement Roof Load 1.5 psf
 Net Load Change 0.5 psf

Snow Load: 20 psf

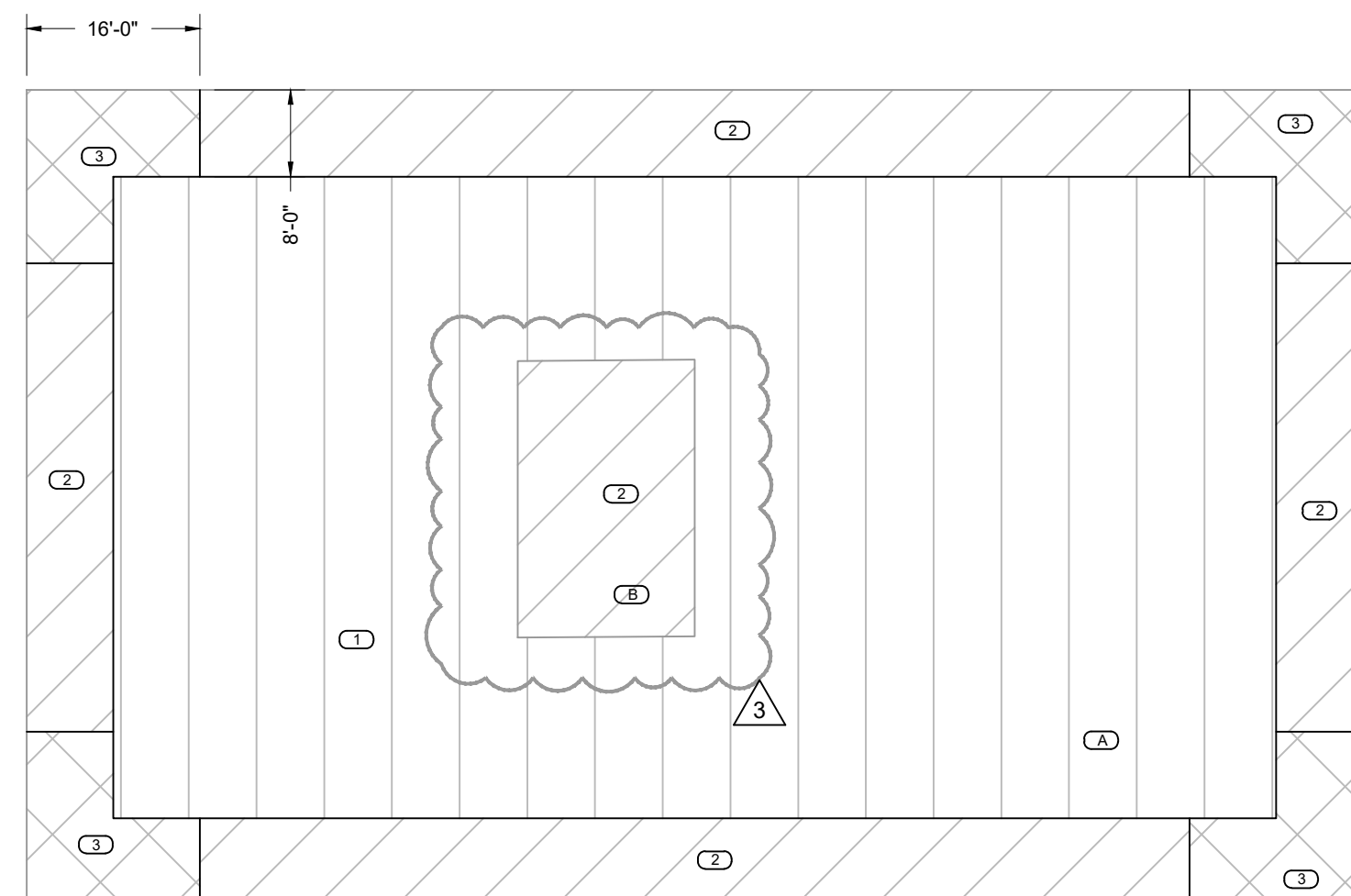
ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 4 5

Method of Compliance:
 Prescriptive (Energy Code)
 Performance (Energy Code)

ZONE SCHEDULE
 ZONE 1: -44.1 LB/FT²
 ZONE 2: -69.2 LB/FT²
 ZONE 3: -94.3 LB/FT²



1 REESE BUILDING WIND ZONE PLAN
 NOT TO SCALE

- Business
- Educational
- Factory F-1 and F-2
- Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
- Institutional
- Mercantile
- Residential R-1 R-2 R-3 R-4
- Storage S-1, S-2, Parking Garage, Repair Garage
- Utility and Miscellaneous

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY
Roof Construction Including supporting beams and joists			

STRUCTURAL DESIGN

DESIGN LOADS:
 Wind Uplift Resistance (This section to be duplicated for each distinct roof area)

Basic Wind Speed 120 mph (ASCE-7)
 Exposure Category B
 Design Pressure (psf):
 Field 30
 Perimeter 51
 Perimeter Width 16 ft
 Corner 76
 Corner Dimension 16

Dead Loads: Existing Roof Load 13.5 psf
 Replacement Roof Load 17 psf
 Net Load Change 3.5 psf

Snow Load: 20 psf

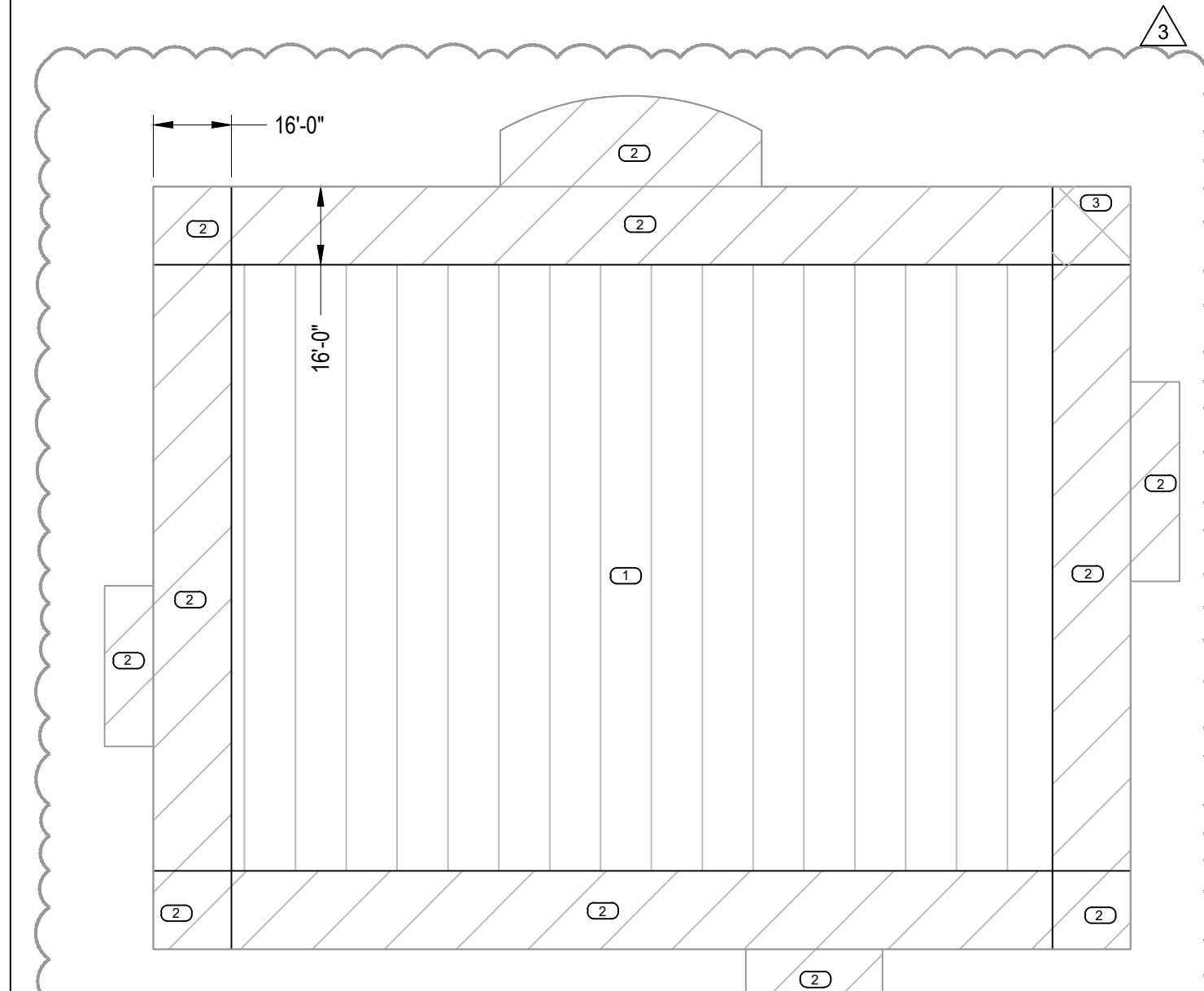
ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 4 5

Method of Compliance:
 Prescriptive (Energy Code)
 Performance (Energy Code)

ZONE SCHEDULE
 ZONE 1: -29.9 LB/FT²
 ZONE 2: -50.3 LB/FT²
 ZONE 3: -75.6 LB/FT²

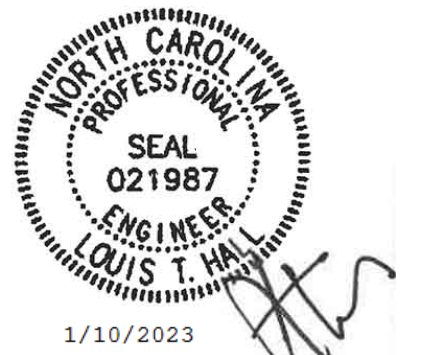


1 FRIDAY BUILDING WIND ZONE PLAN
 NOT TO SCALE



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 TERRACON NC LICENSE NO. F-0869

ENGINEER STATE LICENSE SEAL



REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
 CHARLOTTE, NC

CODE SHEET

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
 FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: SSS

- ISSUE FOR:
- REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION
 - SURVEY REPORT - REPAIR DOCUMENTS
 - SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION
 - DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
 - PERMITTING / BIDDING
 - CONSTRUCTION DOCUMENTS
 - ADDENDUM SUBMITTAL
 - RECORD DRAWINGS

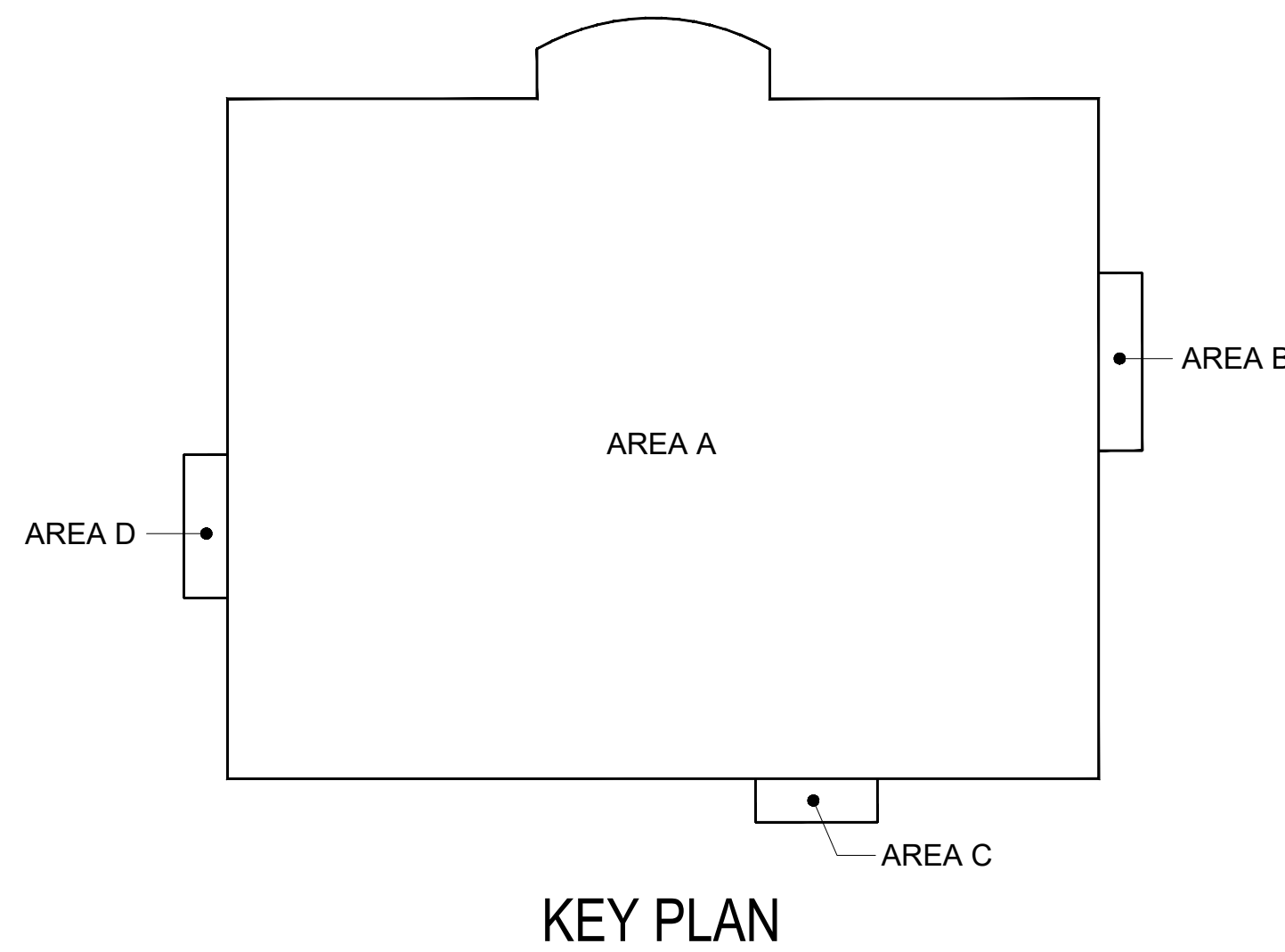
ISSUE DATE:
 11-22-2022

SHEET NUMBER

G-102

GENERAL NOTES

1. WORK UNDER THE FRIDAY BUILDING BASE BID IS AS FOLLOWS:
 - a. ALL WORK IS ON ROOF AREAS A, B, C, AND D. ROOF AREA A HAS METAL DECKING AND AREAS B, C, AND C HAS CONCRETE DECK.
 - b. REMOVE EXISTING BALLAST AND EPDM MEMBRANE AND DISCARD.
 - c. INSULATION SHALL REMAIN IN PLACE, EXCEPT WHERE MOISTURE HAS BEEN DETECTED. WET MATERIALS SHALL BE REMOVED AND REPLACED WITH NEW.
 - d. INSTALL NEW RIGID INSULATION AND MECHANICALLY FASTEN THROUGH EXISTING LAYERS TO THE DECK. INSTALL NEW COVER BOARD IN INSULATION ADHESIVES. INSTALL NEW FULLY ADHERED THERMOPLASTIC SINGLE PLY MEMBRANE.
 - e. REMOVE AND REPLACE THE EXISTING COPING CAP WITH NEW PREFINISHED GALVALUME.
 - f. 3 LARGE HVAC UNITS WILL NEED TO BE LIFTED TO HAVE EXISTING FLASHINGS REMOVED, THE ROOF CURB RAISED. LIFT HVAC UNITS ON AREA A TEMPORARILY TO ALLOW ACCESS FOR ROOF FLASHINGS UNDERNEATH. RAISE SLEEPER/CURB HEIGHT TO ACHIEVE MINIMUM 12 INCHES OF BASE FLASHING HEIGHT ABOVE NEW FINISHED ROOF SURFACE. THIS WORK SHOULD BE COORDINATED WITH THE UNIVERSITY DURING OFF HOURS, WEEKENDS, OR HOLIDAYS. THE UNIT WILL NEED TO BE TEMPORARILY TAKEN OFFLINE. CONTRACTOR IS TO INCLUDE ALL COSTS AS REQUIRED FOR MODIFICATIONS OF THE DUCTWORK EXTENSIONS AND PIPING. HVAC EQUIPMENT ON FRIDAY BUILDING WILL REQUIRE DRAIN AND REFILL OF REFRIGERANT, WHICH WILL BE ACCOMPLISHED BY UNIVERSITY STAFF. CONTRACTOR WILL BE REQUIRED TO COORDINATE ROOFING WORK WITH THE UNIVERSITY. NOT MORE THAN 1 UNIT CAN BE TAKEN OFF-LINE AT ONE TIME.
 - g. PROVIDE OVERHEAD SCAFFOLDING PROTECTION AT ALL ENTRANCEWAYS WHILE WORK IS IN PROGRESS ON THE ROOF.
 - h. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, AND DIMENSIONS.
 - i. (UNLESS OTHERWISE NOTED) CONTRACTOR TO PROVIDE A MINIMUM OF 8-INCH FLASHING HEIGHT TO ALL EQUIPMENT, PIPE PENETRATIONS AND CURBS FROM NEW FINISHED ROOF SURFACE. CONTRACTOR TO INCLUDE IN BASE BID ALL ASSOCIATED COSTS INCLUDING BUT NOT LIMITED TO CRANE, MODIFICATION TO ELECTRICAL, MECHANICAL AND PLUMBING.
2. WORK UNDER **ALTERNATE NO. 1FB** IS ON FRIDAY BUILDING AND GENERALLY CONSISTS OF FURNISHING AND INSTALLATION OF FALL PROTECTION SYSTEM. REFER SHEET DRAWING W-101.
3. WORK UNDER **ALTERNATE NO. 2FB** IS ON FRIDAY BUILDING AND GENERALLY CONSISTS OF FURNISHING AND INSTALLATION OF FIXED LADDERS AT LOCATIONS INDICATED ON ROOF PLAN. 3 LADDERS ARE TO BE INSTALLED PROVIDING ACCESS FROM ROOF AREA A DOWN TO AREAS B, C, AND D.



LEGEND

	PARAPET
	WALK PAD
	VENTILATOR
	OVERFLOW SCUPPER
	ROOF SCUTTLE
	ROOF DRAIN AND SUMP
	OVERFLOW ROOF DRAIN
	PLUMBING VENT STACK
	LADDER
	STRUCTURAL SLOPE
	TAPERED INSULATION SLOPE
	TAPERED INSULATION



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CHARLOTTE, NC 28208
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TERRACON NC LICENSE NO. F-0869

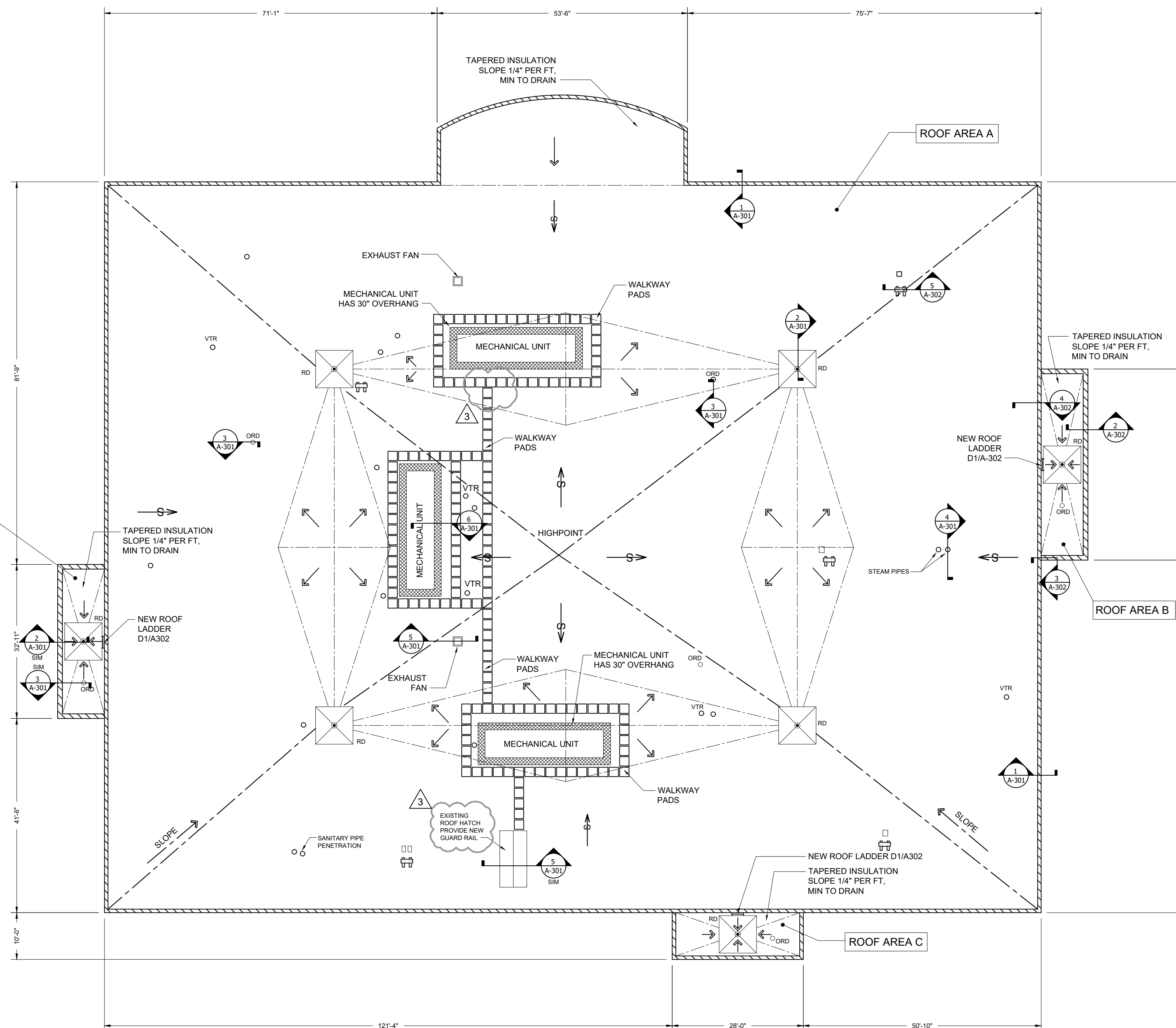
ENGINEER STATE LICENSE SEAL



1/10/2023

REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
9209 MARY ALEXANDER ROAD
CHARLOTTE, NC 28262

FRIDAY BUILDING ROOF PLAN



STAGING PLAN



1 FRIDAY BUILDING ROOF PLAN
1/16" = 1'-0"

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: LTH

ISSUE FOR:

- REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION
- SURVEY REPORT - REPAIR DOCUMENTS
- SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION
- DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
- PERMITTING / BIDDING
- CONSTRUCTION DOCUMENTS
- ADDENDUM SUBMITTAL
- RECORD DRAWINGS

ISSUE DATE:

11-22-2022

SHEET NUMBER

A-101

GENERAL NOTES

1. WORK UNDER THE REESE BUILDING BASE BID IS AS FOLLOWS:
 - a. ALL WORK IS ON ROOF AREAS A AND B.
 - b. THE EXISTING ROOF SYSTEM GENERALLY CONSISTS OF A THERMOPLASTIC ROOF MEMBRANE OVER RIGID INSULATION AND A CONCRETE ROOF DECK. FURNISH AND INSTALL NEW ROOF COATING SYSTEM WITH REINFORCING OVER THE EXISTING MEMBRANE.
 - c. INSULATION SHALL REMAIN IN PLACE, EXCEPT WHERE MOISTURE HAS BEEN DETECTED. WET MATERIALS SHALL BE REMOVED AND REPLACED WITH NEW.
 - d. REMOVE AND REPLACE THE EXISTING COPING CAP WITH NEW PREFINISHED GALVALUME.
 - e. MASONRY SEALER AT WALLS ABOVE AREA B. REPAIRS ASSOCIATED TO PENETRATIONS AND MASONRY WALL DEFICIENCIES ALSO TO BE INCLUDED UNDER BASE BID.
2. WORK UNDER **ALTERNATE NO. 1RB** IS ON REESE BUILDING AND GENERALLY CONSISTS OF FURNISHING AND INSTALLATION OF FALL PROTECTION SYSTEM. REFER SHEET DRAWING W-102.
3. WORK UNDER **ALTERNATE NO. 2RB** IS ON REESE BUILDING AND GENERALLY CONSISTS OF REMOVAL AND REPLACEMENT OF THROUGH WALL FLASHING AT WALLS ABOVE ROOF AREA B

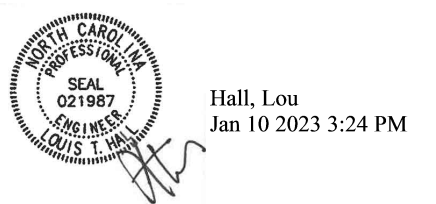
LEGEND

	PARAPET
	WALK PAD
	VENTILATOR
	OVERFLOW SCUPPER
	ROOF SCUTTLE
	ROOF DRAIN AND SUMP
	OVERFLOW ROOF DRAIN



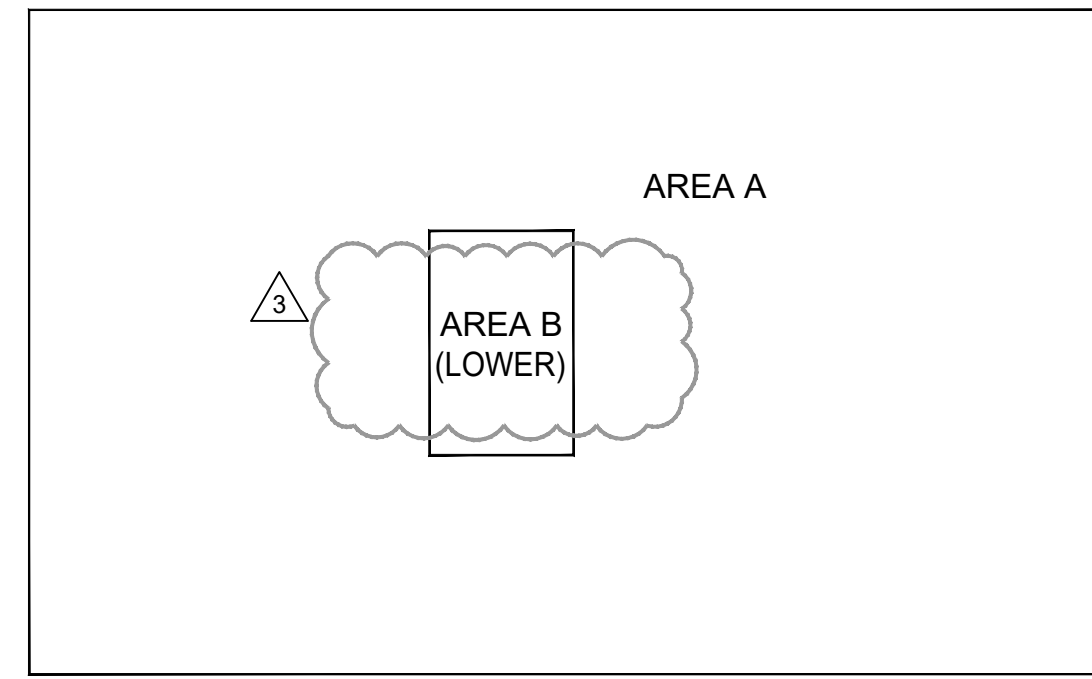
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 CHARLOTTE, NC 28208
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 TERRACON NC LICENSE NO. F-6869

ENGINEER STATE LICENSE SEAL

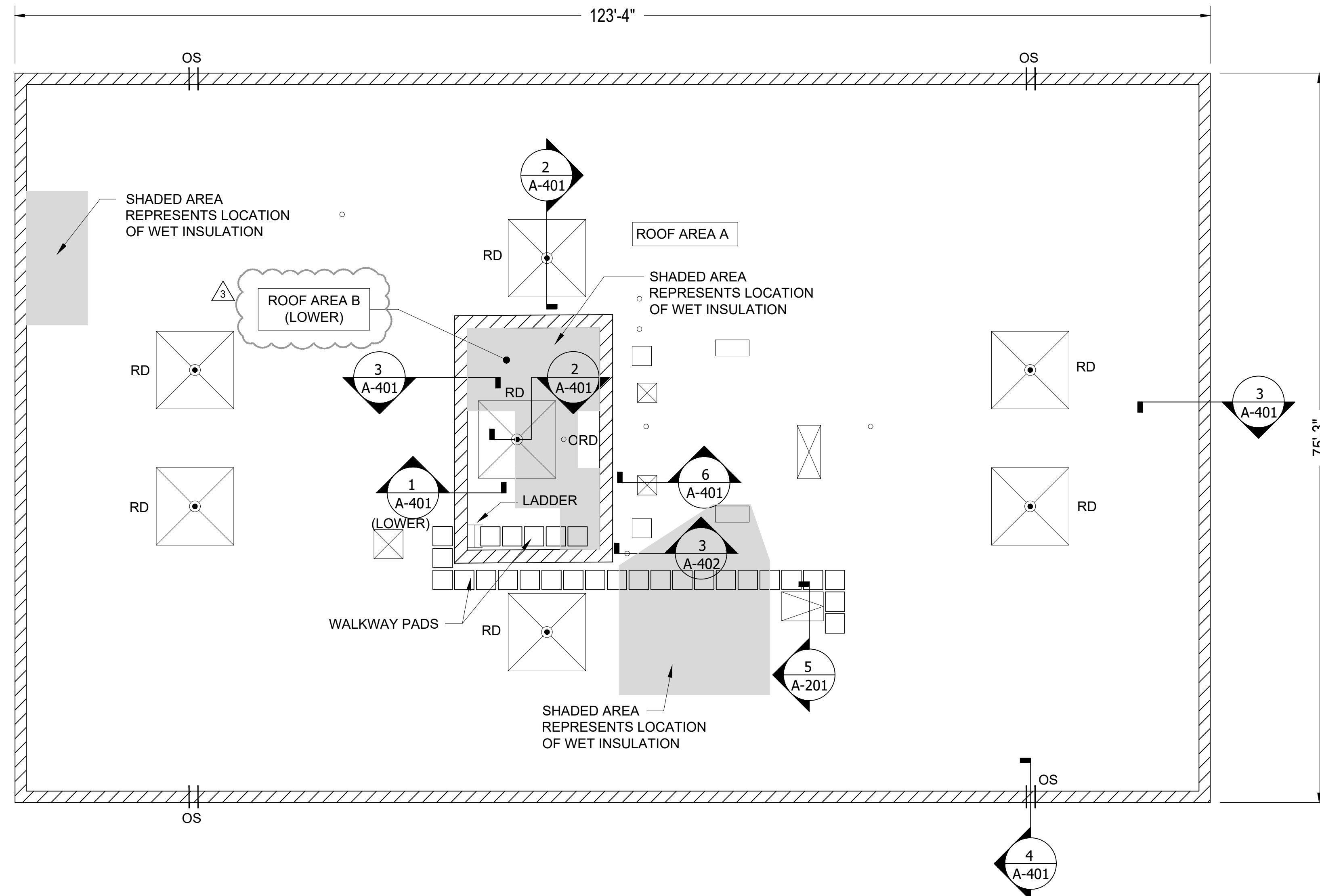


1/10/2023

REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
 9035 UNIVERSITY ROAD
 CHARLOTTE, NC 28223
 REESE BUILDING ROOF PLAN

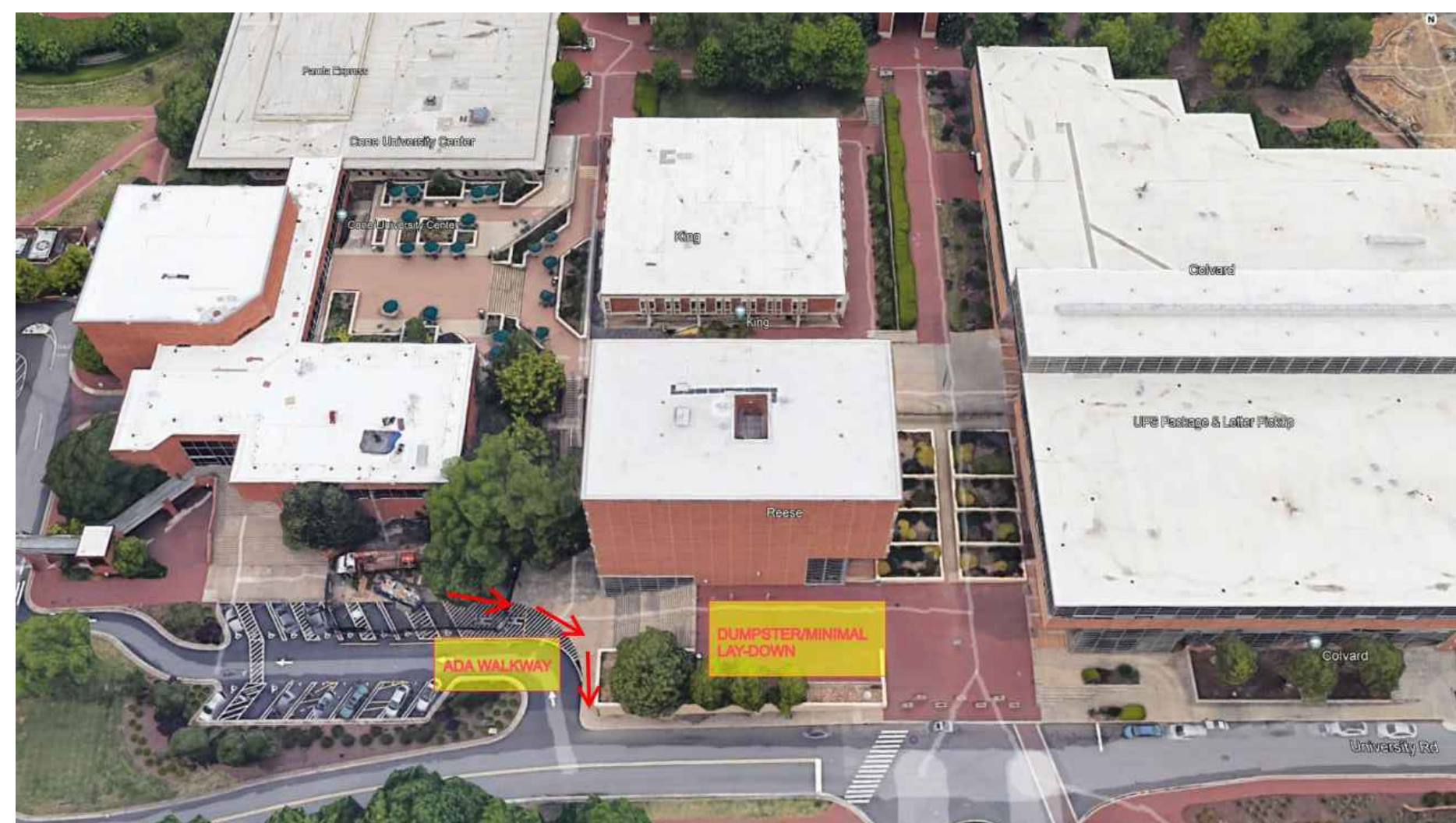


KEY PLAN



1 REESE BUILDING ROOF PLAN
 1/8" = 1'-0"

STAGING PLAN



REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
 FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

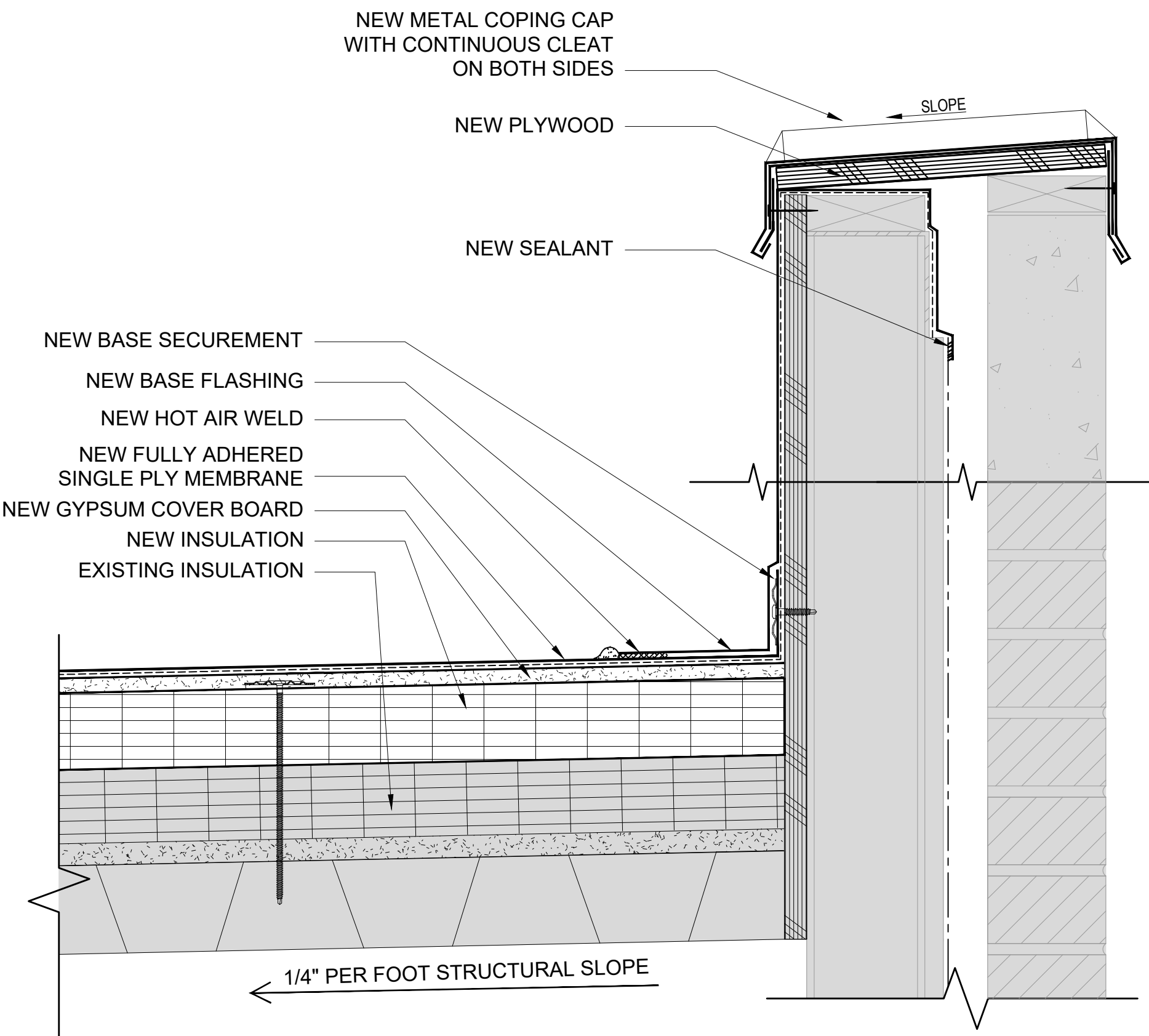
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 - DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
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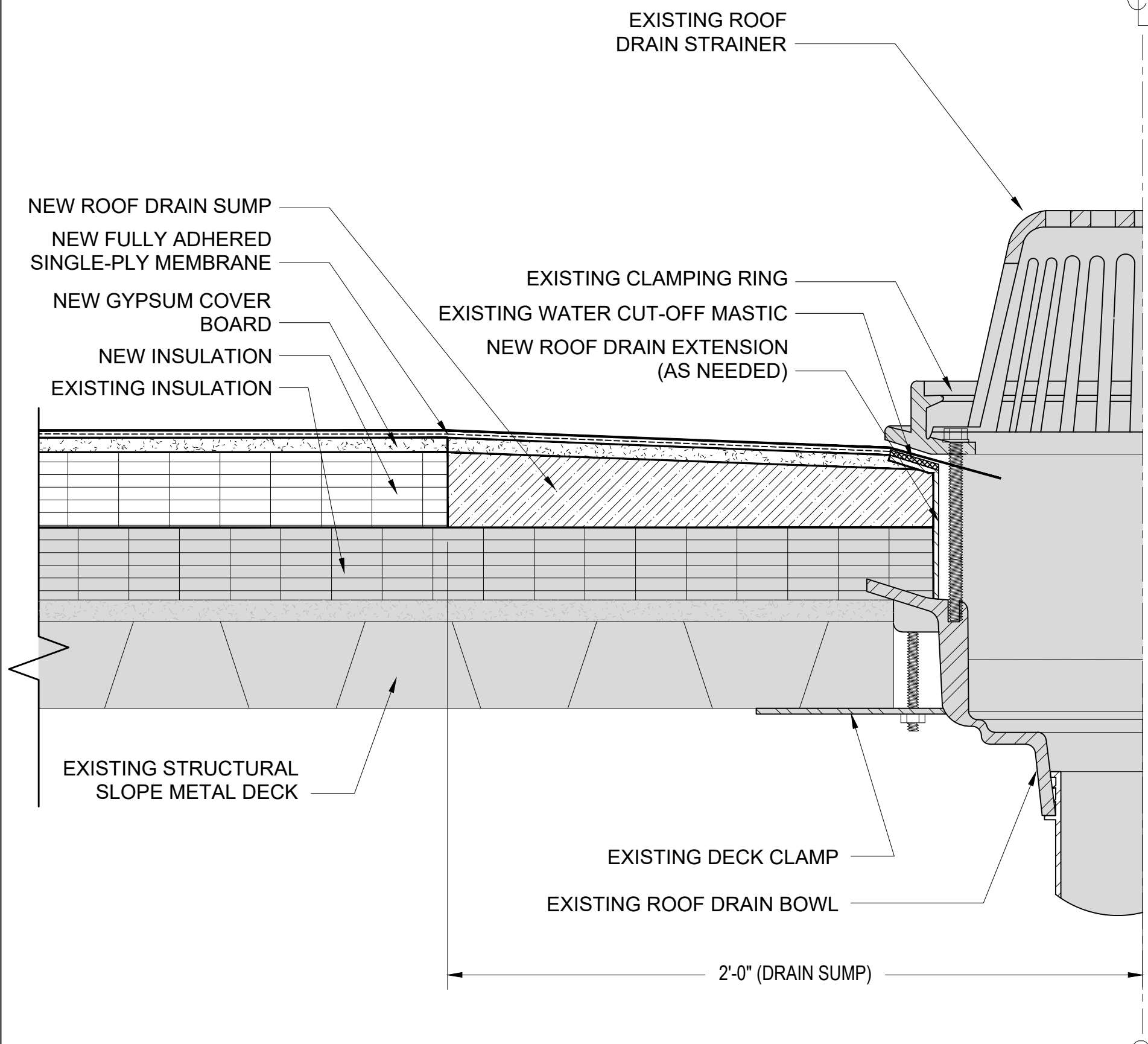
ISSUE DATE:
 11-22-2022

SHEET NUMBER

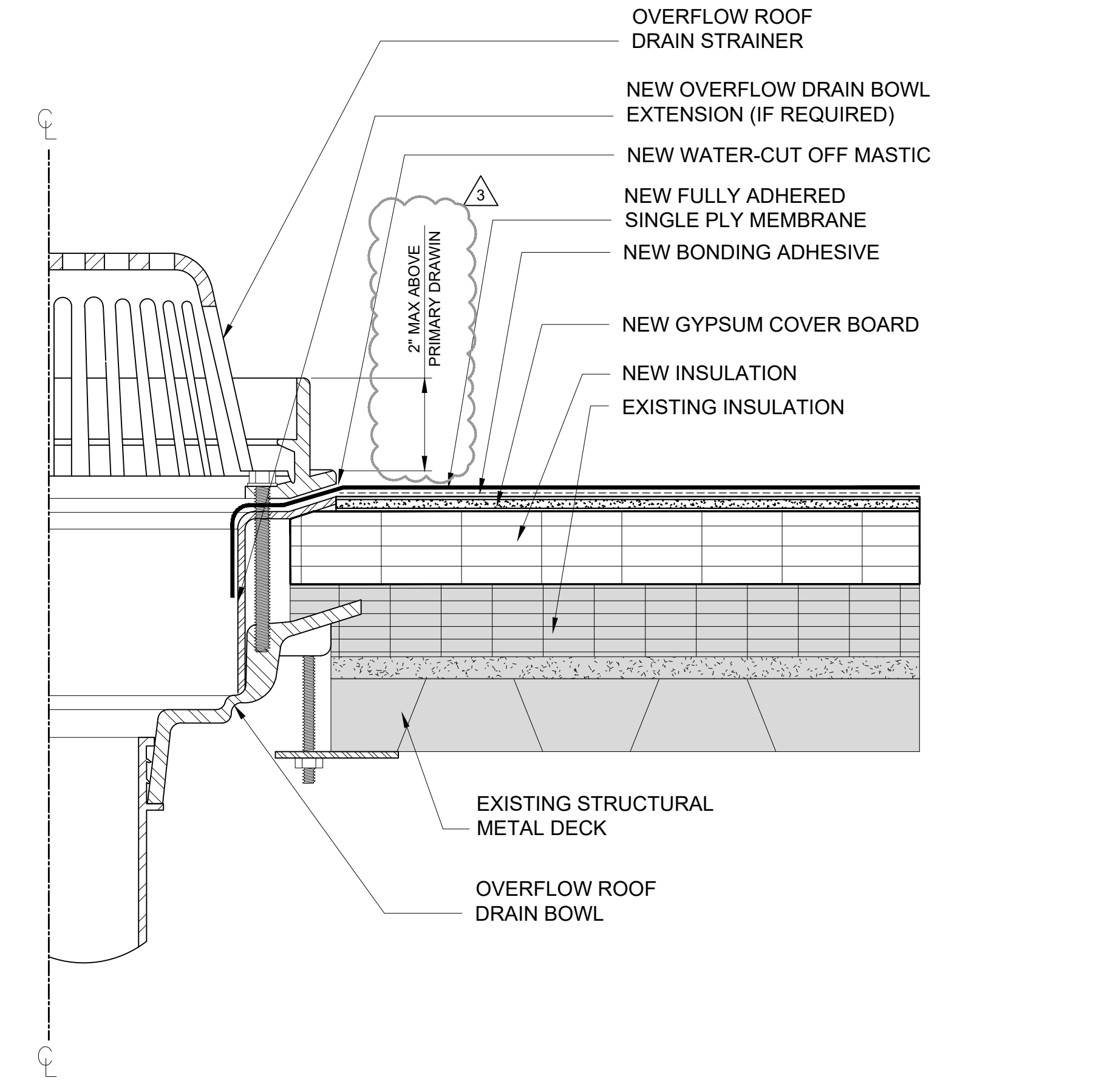
A-201



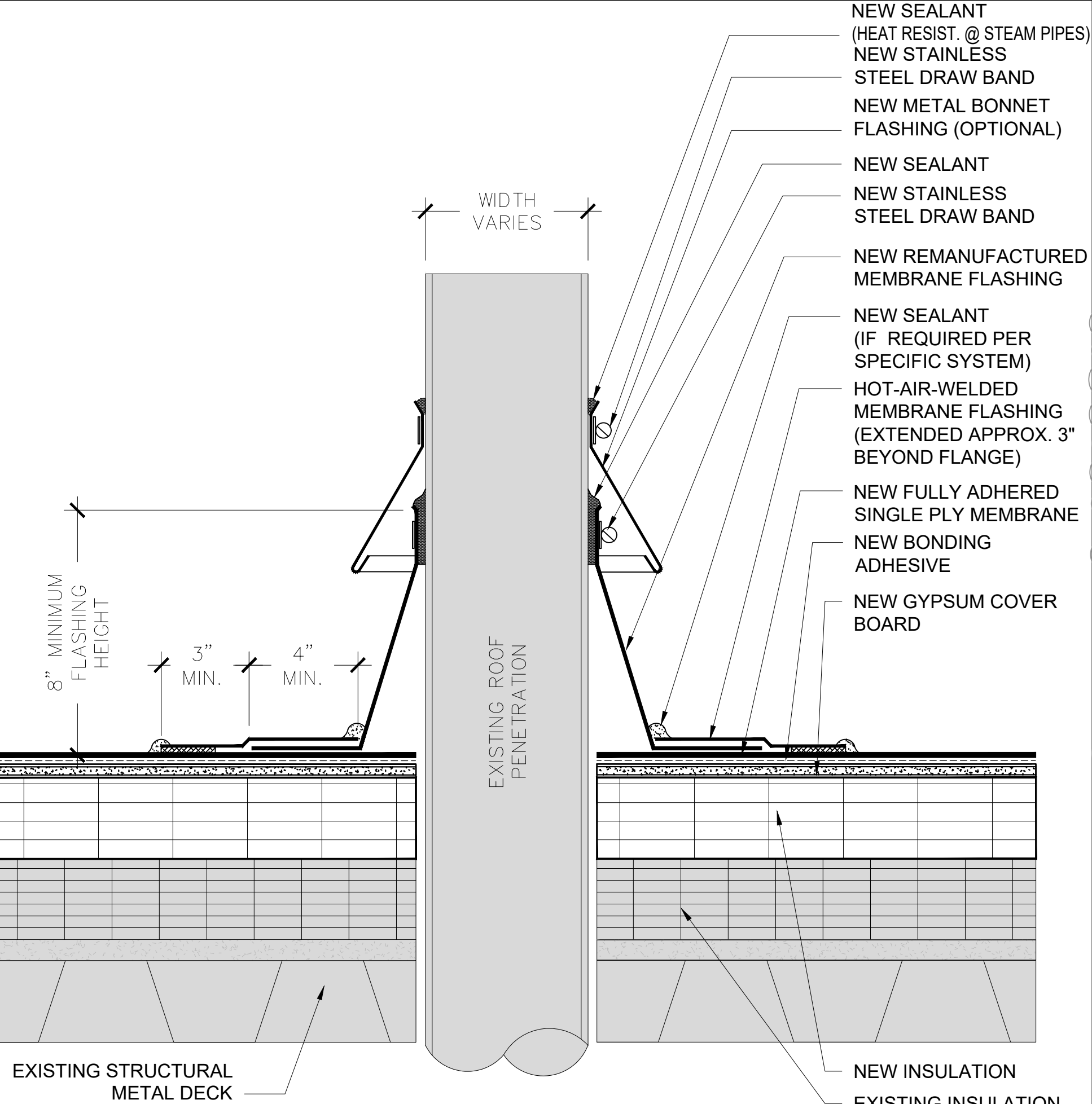
1 PARAPET WALL DETAIL
3"=1'-0"



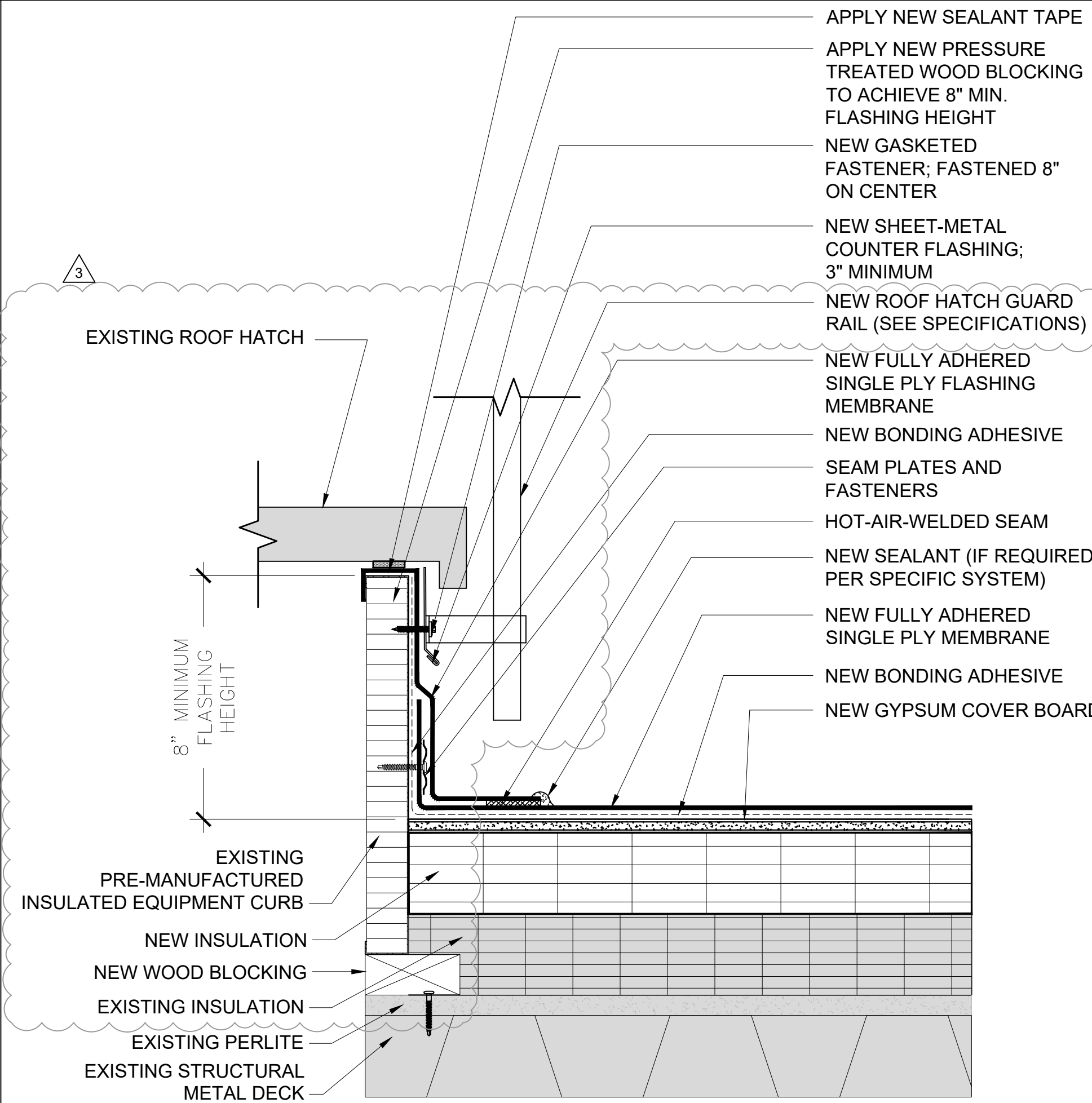
2 ROOF DRAIN DETAIL
3"=1'-0"



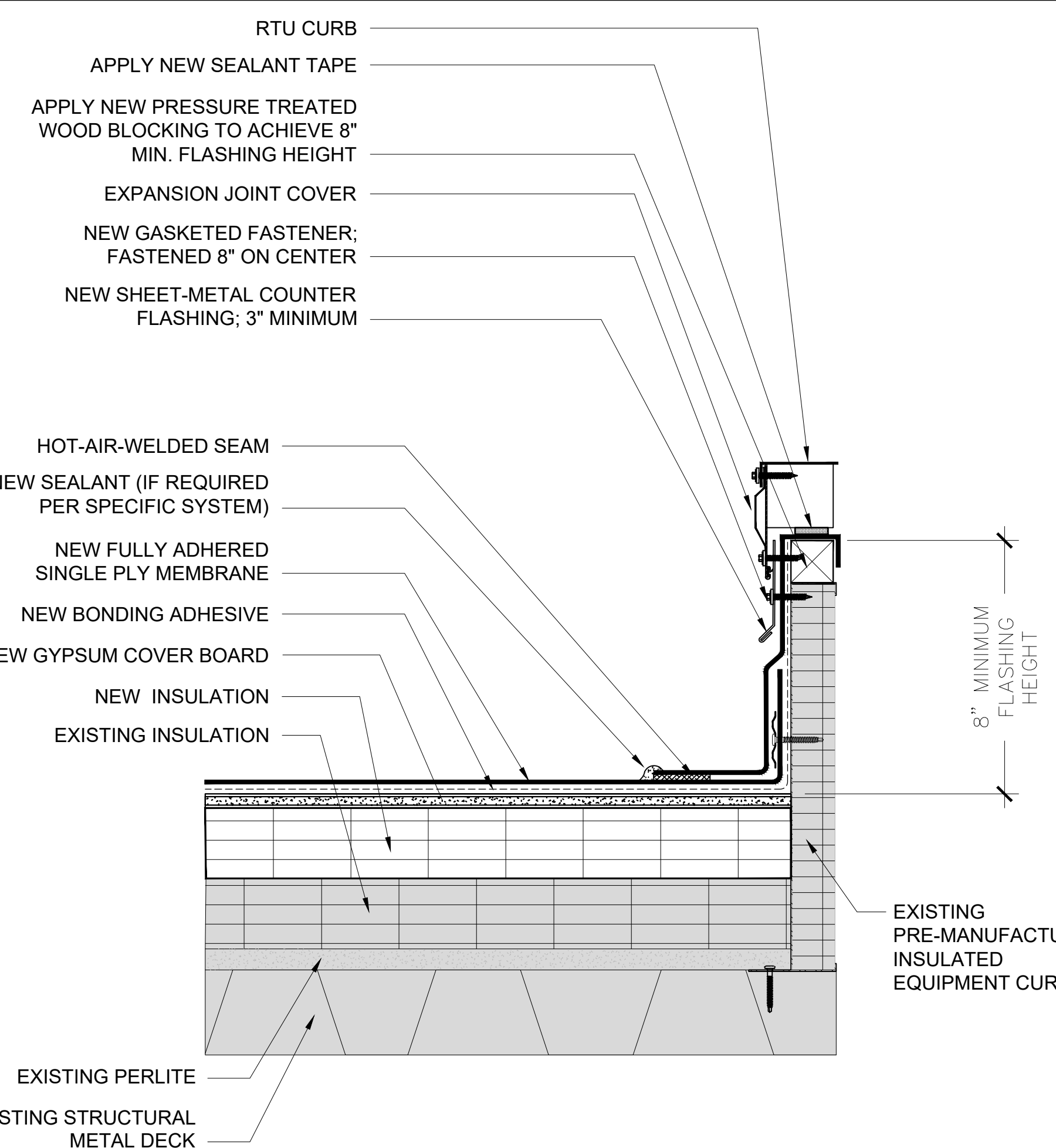
3 TYPICAL OVERFLOW ROOF DRAIN DETAIL
3"=1'-0"



4 ROOF PENETRATION
3"=1'-0"



5 PRE-MANUFACTURED CURB DETAIL (FASTENED TO DECK)
3"=1'-0"



6 LARGE ROOFTOP UNIT CURB DETAIL
3"=1'-0"

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ENGINEER STATE LICENSE SEAL

SEAL
021987
ENGINEER
LOUIS T. HALL
1/10/2023

REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
9209 MARY ALEXANDER ROAD
CHARLOTTE, NC 28262

FRIDAY BUILDING DETAILS

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

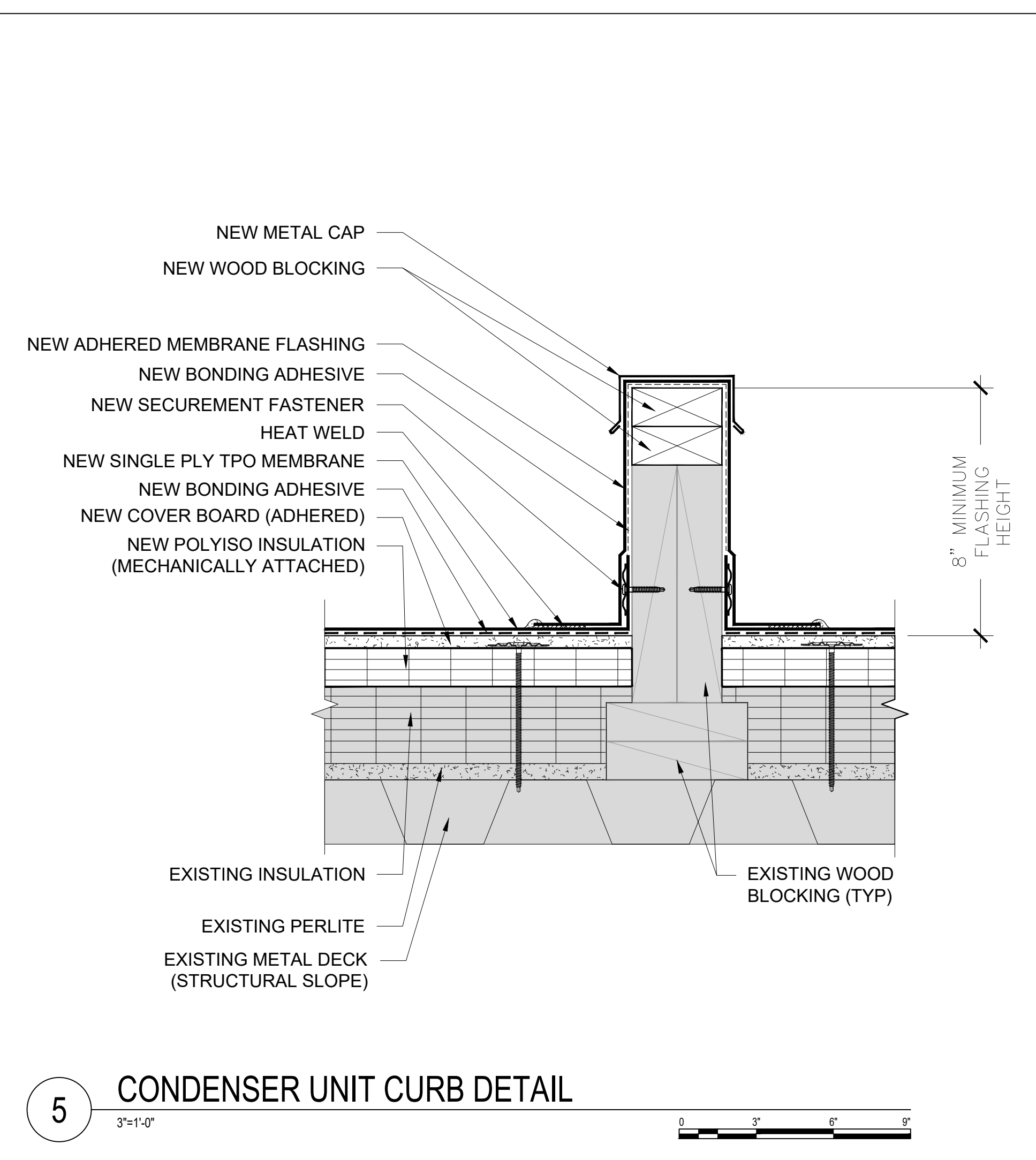
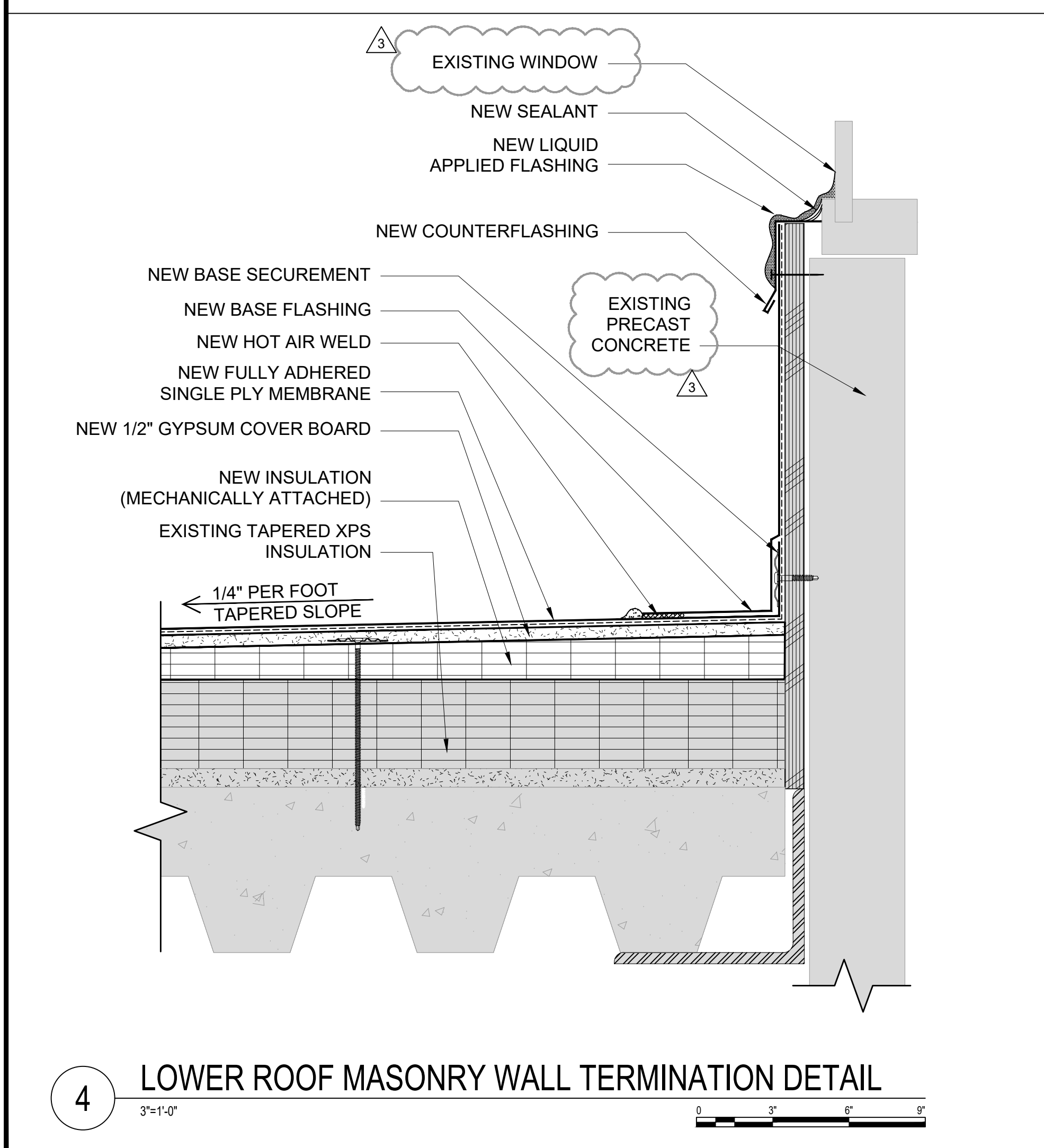
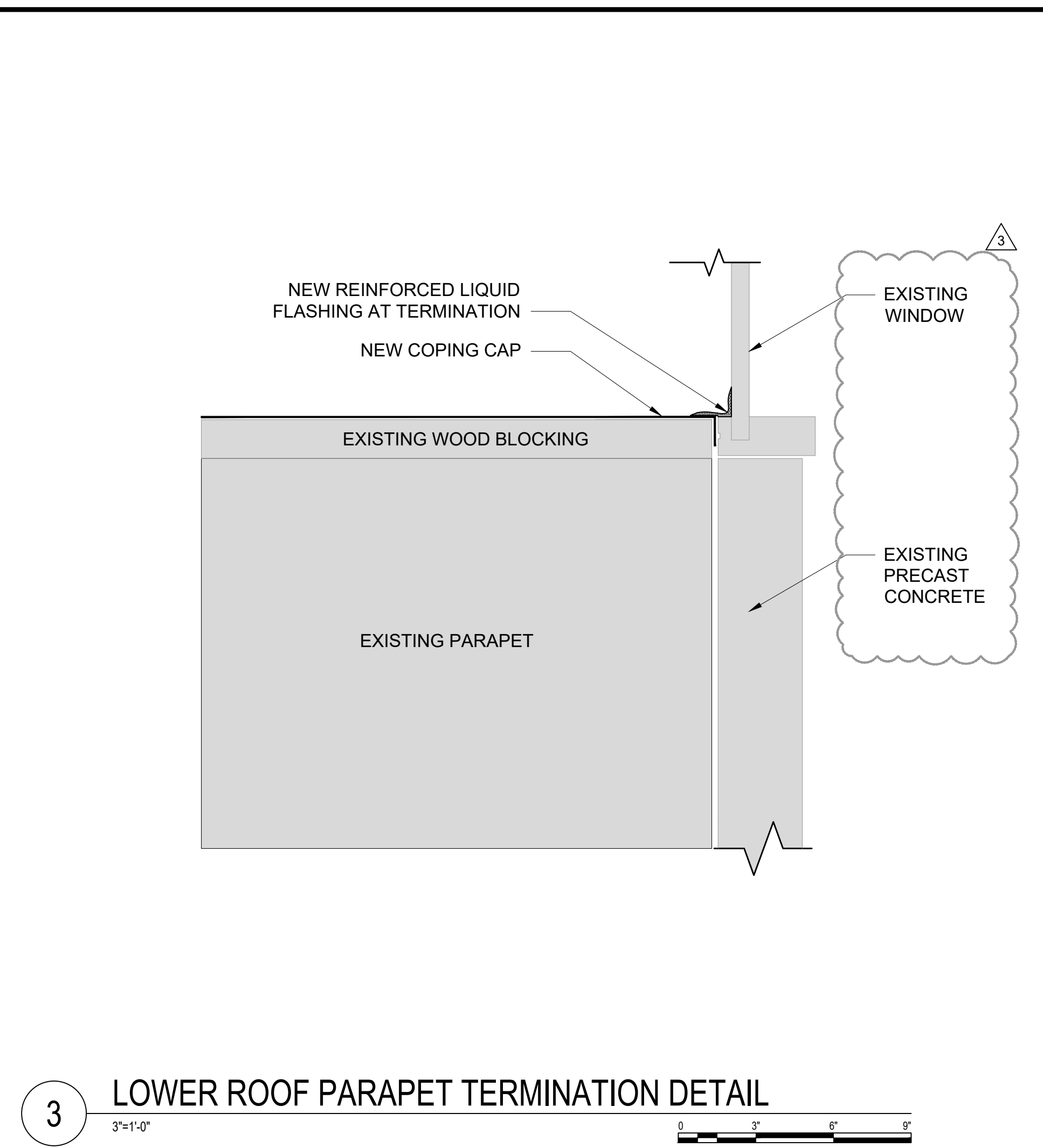
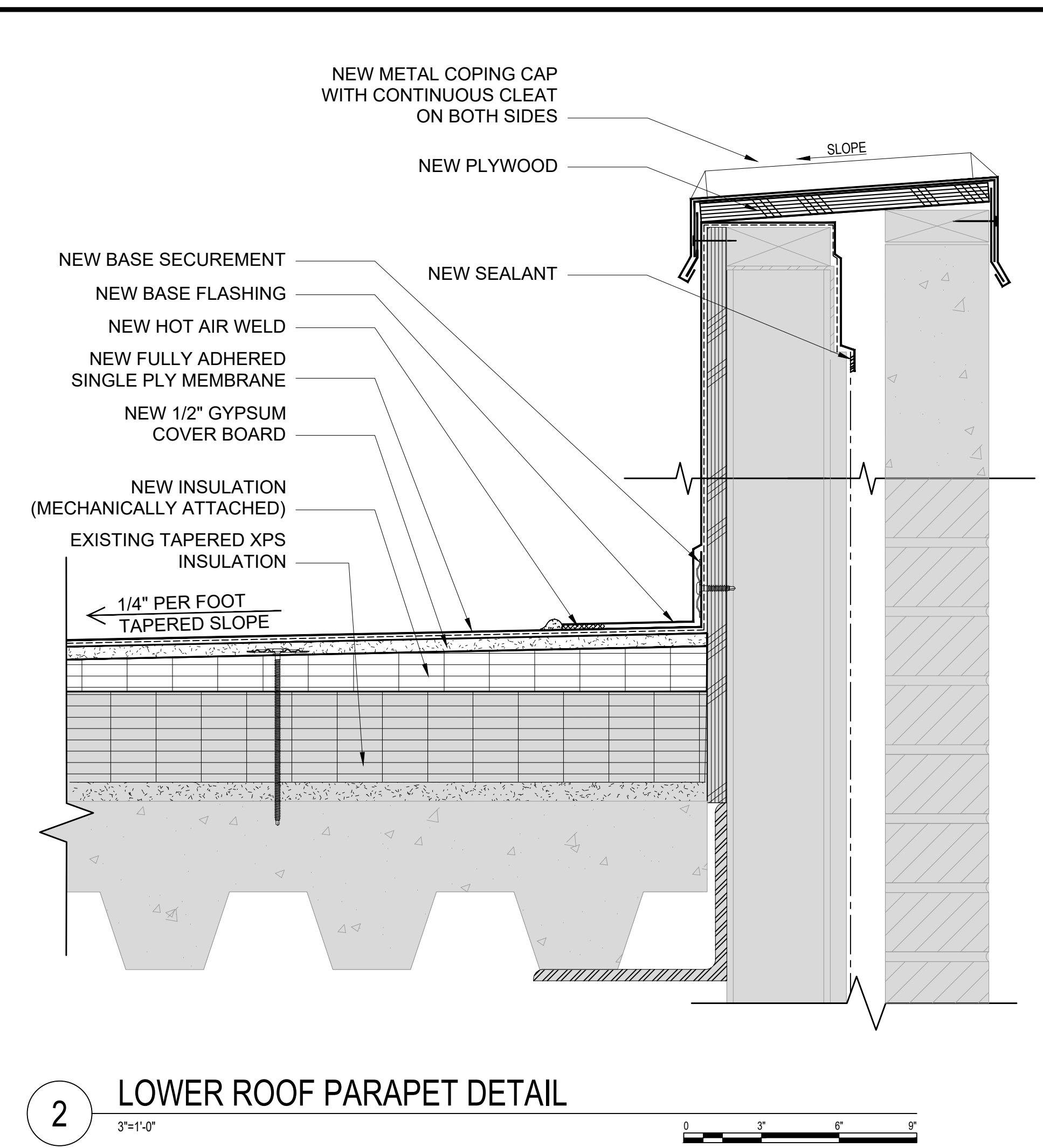
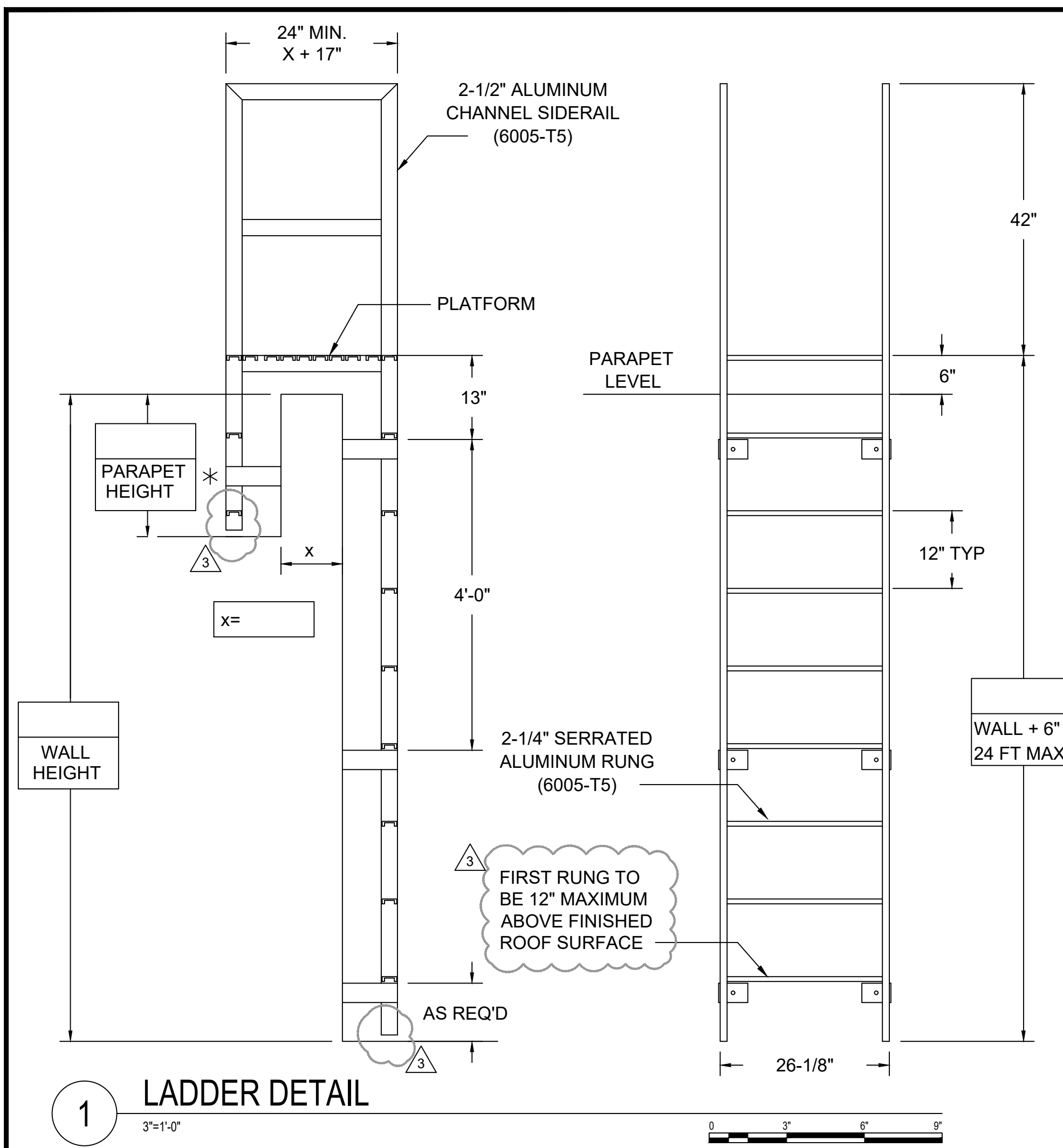
APPROVED BY: LTH

- ISSUE FOR:
- REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION
 - SURVEY REPORT - REPAIR DOCUMENTS
 - SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION
 - DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
 - PERMITTING / BIDDING
 - CONSTRUCTION DOCUMENTS
 - ADDENDUM SUBMITTAL
 - RECORD DRAWINGS

ISSUE DATE:
11-22-2022

SHEET NUMBER

A-301



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ENGINEER STATE LICENSE SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 021987
LOUIS T. HALL
1/10/2023

REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
9209 MARY ALEXANDER ROAD
CHARLOTTE, NC 28262

FRIDAY BUILDING DETAILS

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

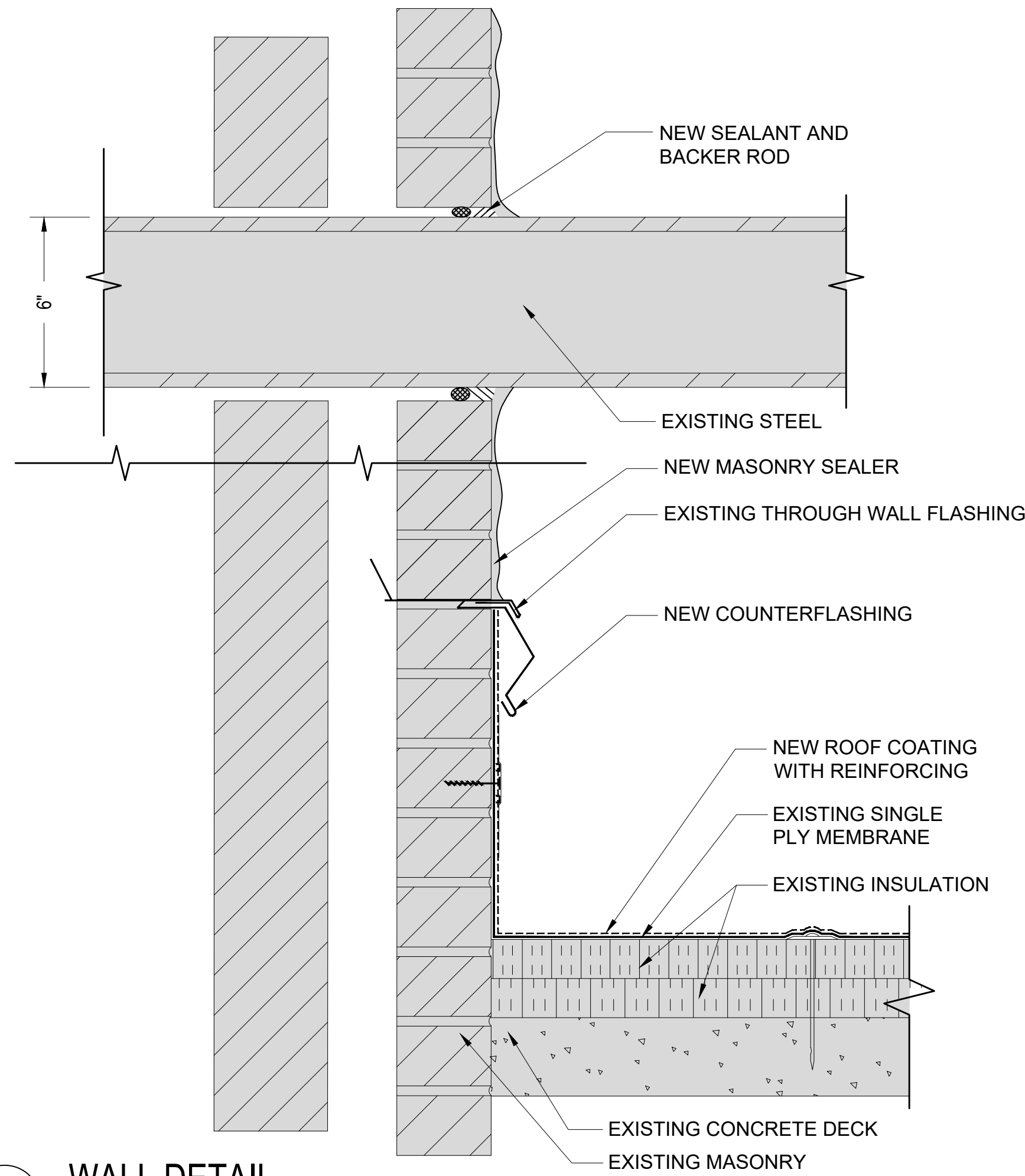
DRAWN BY: SWP

APPROVED BY: LTH

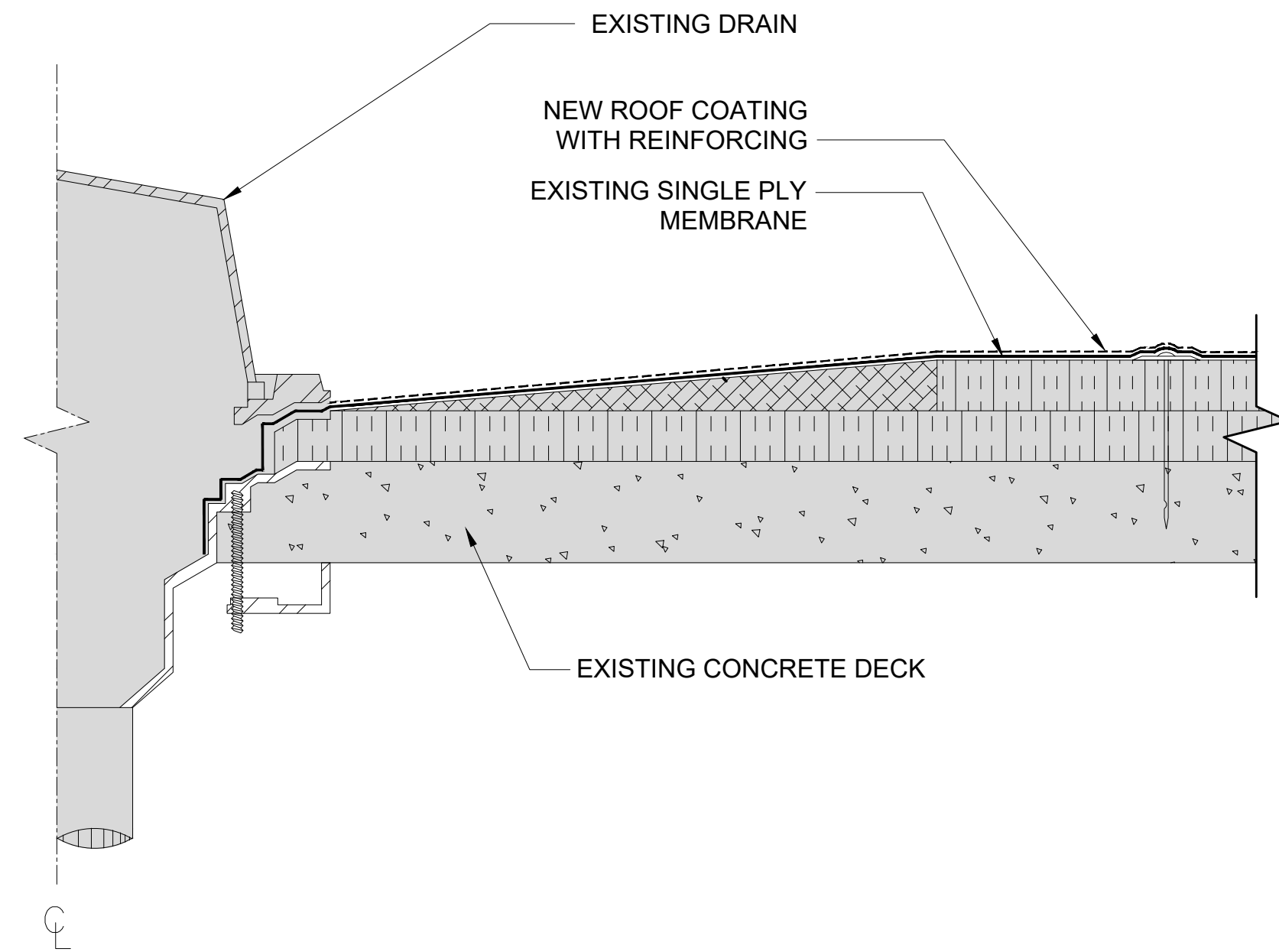
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 - ADDENDUM SUBMITTAL
 - RECORD DRAWINGS

ISSUE DATE:
11-22-2022

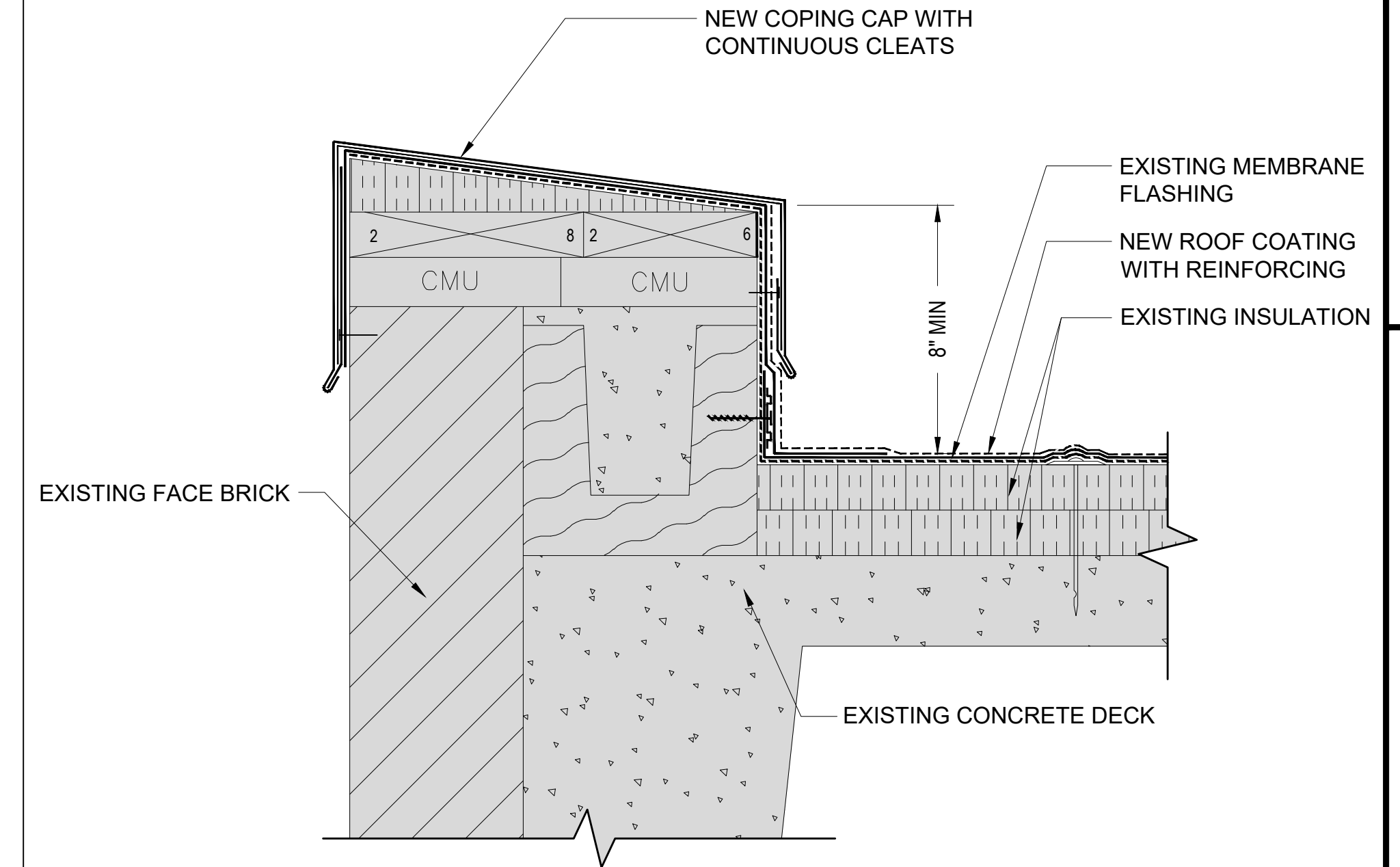
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A-302



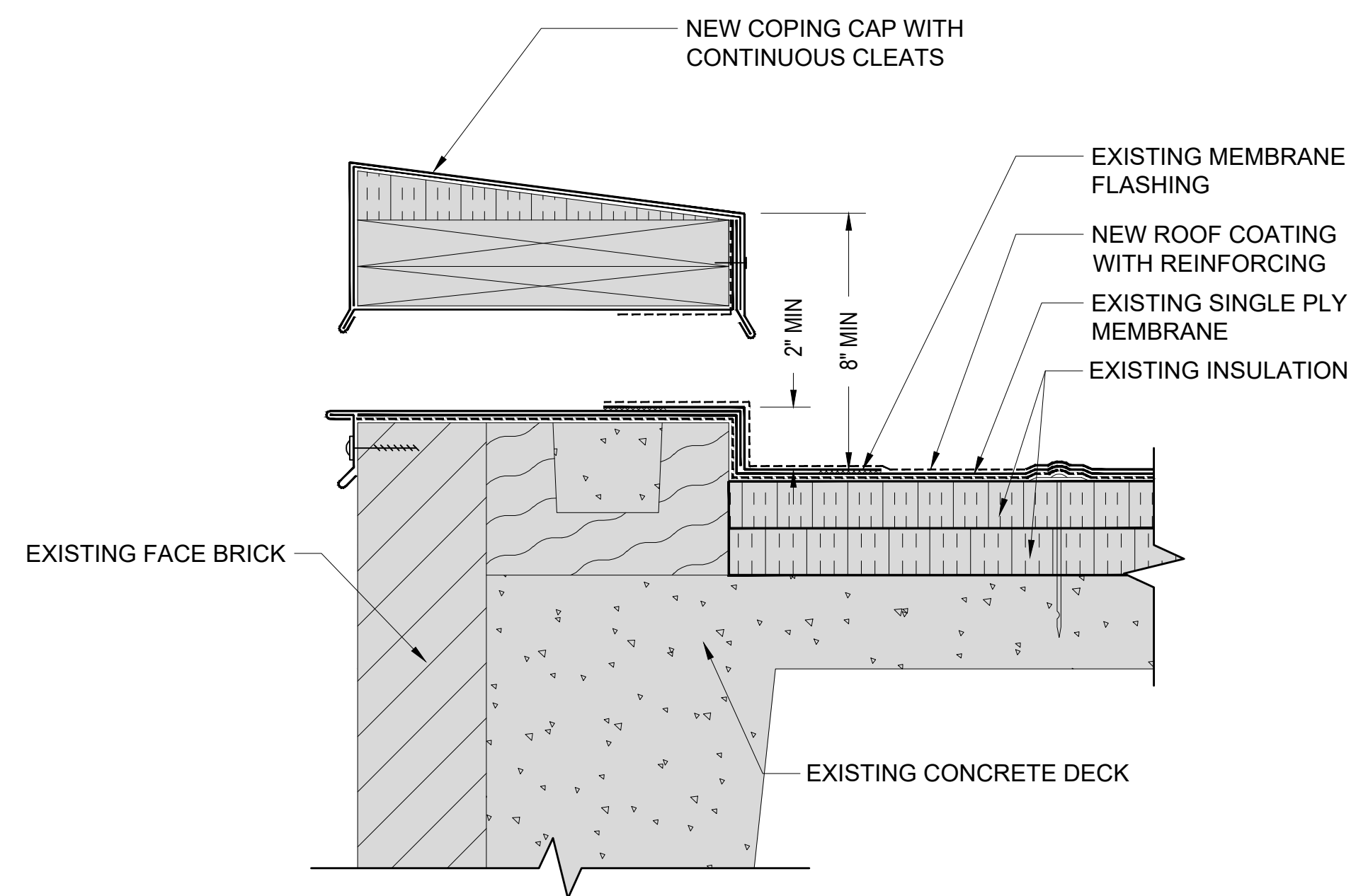
1 WALL DETAIL
 3"=1'-0"



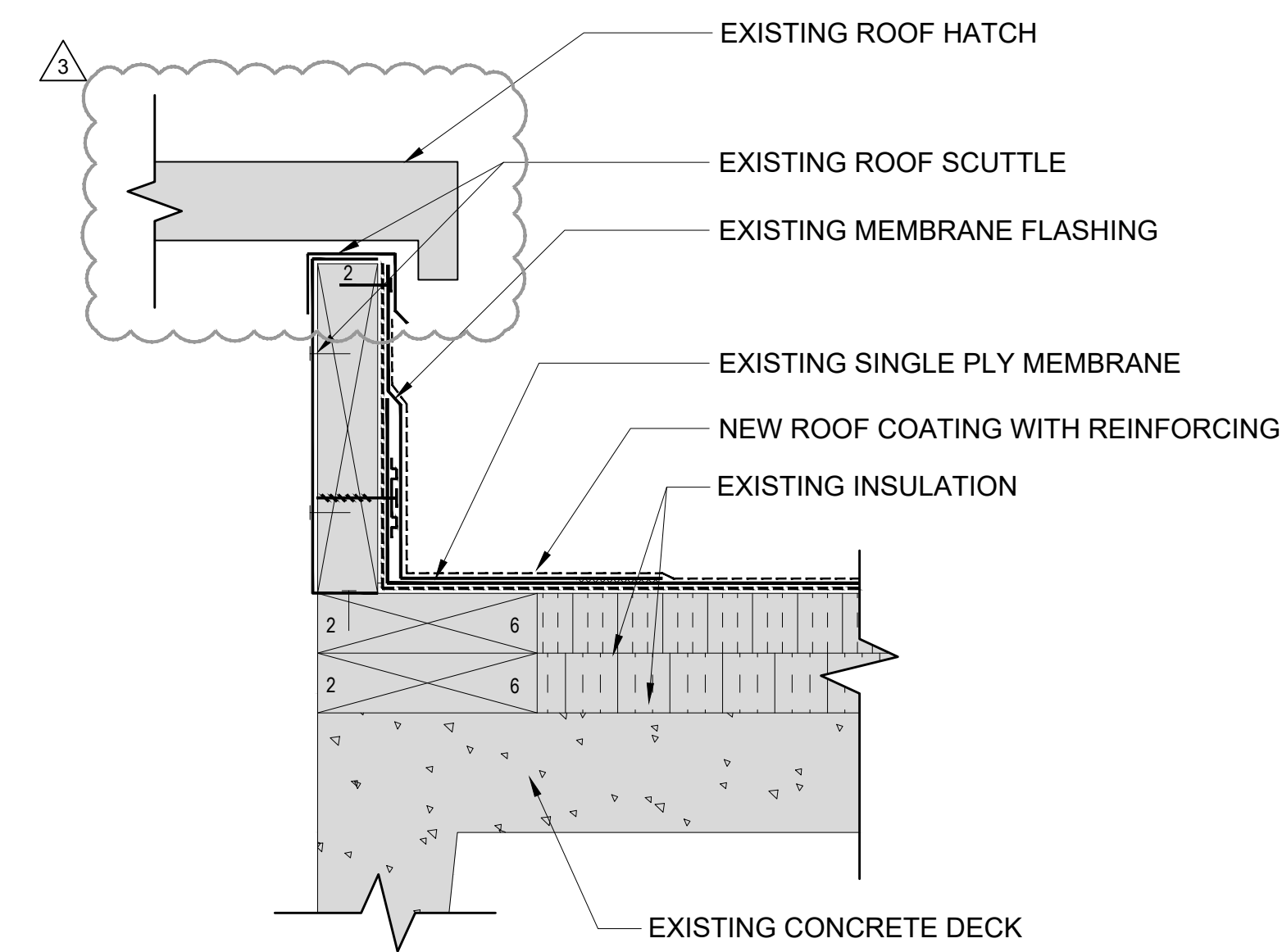
2 ROOF DRAIN DETAIL
 3"=1'-0"



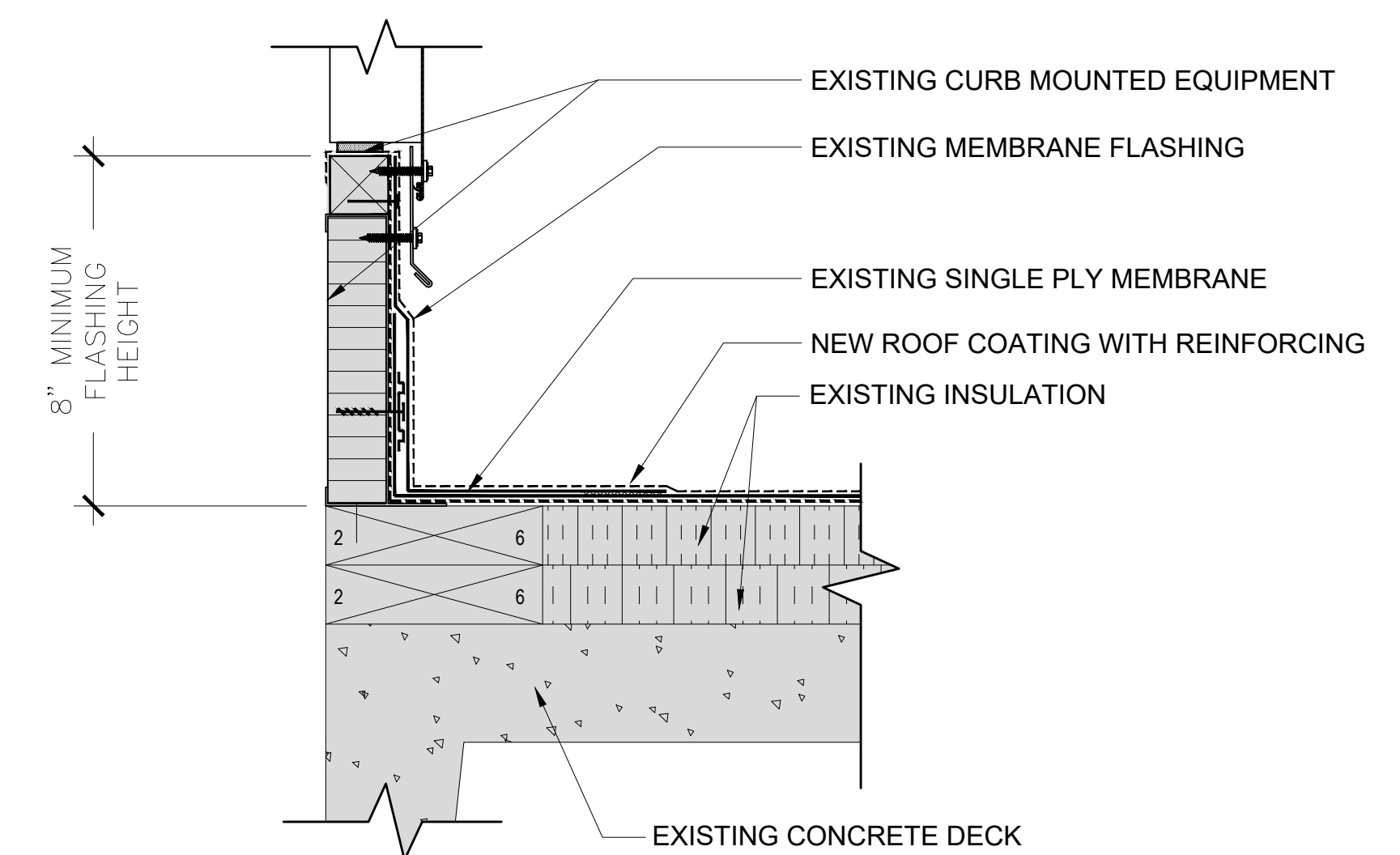
3 PARAPET DETAIL
 3"=1'-0"



4 SCUPPER DETAIL
 3"=1'-0"



5 ROOF SCUTTLE DETAIL
 3"=1'-0"



6 CURB MOUNTED EQUIPMENT DETAIL
 3"=1'-0"

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
 FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: LTH

ISSUE FOR:

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NOT FOR CONSTRUCTION
- SURVEY REPORT - REPAIR DOCUMENTS
- SCHEMATIC DESIGN DOCUMENTS
NOT FOR CONSTRUCTION
- DESIGN DEVELOPMENT DOCUMENTS
NOT FOR CONSTRUCTION
- PERMITTING / BIDDING
- CONSTRUCTION DOCUMENTS
- ADDENDUM SUBMITTAL
- RECORD DRAWINGS

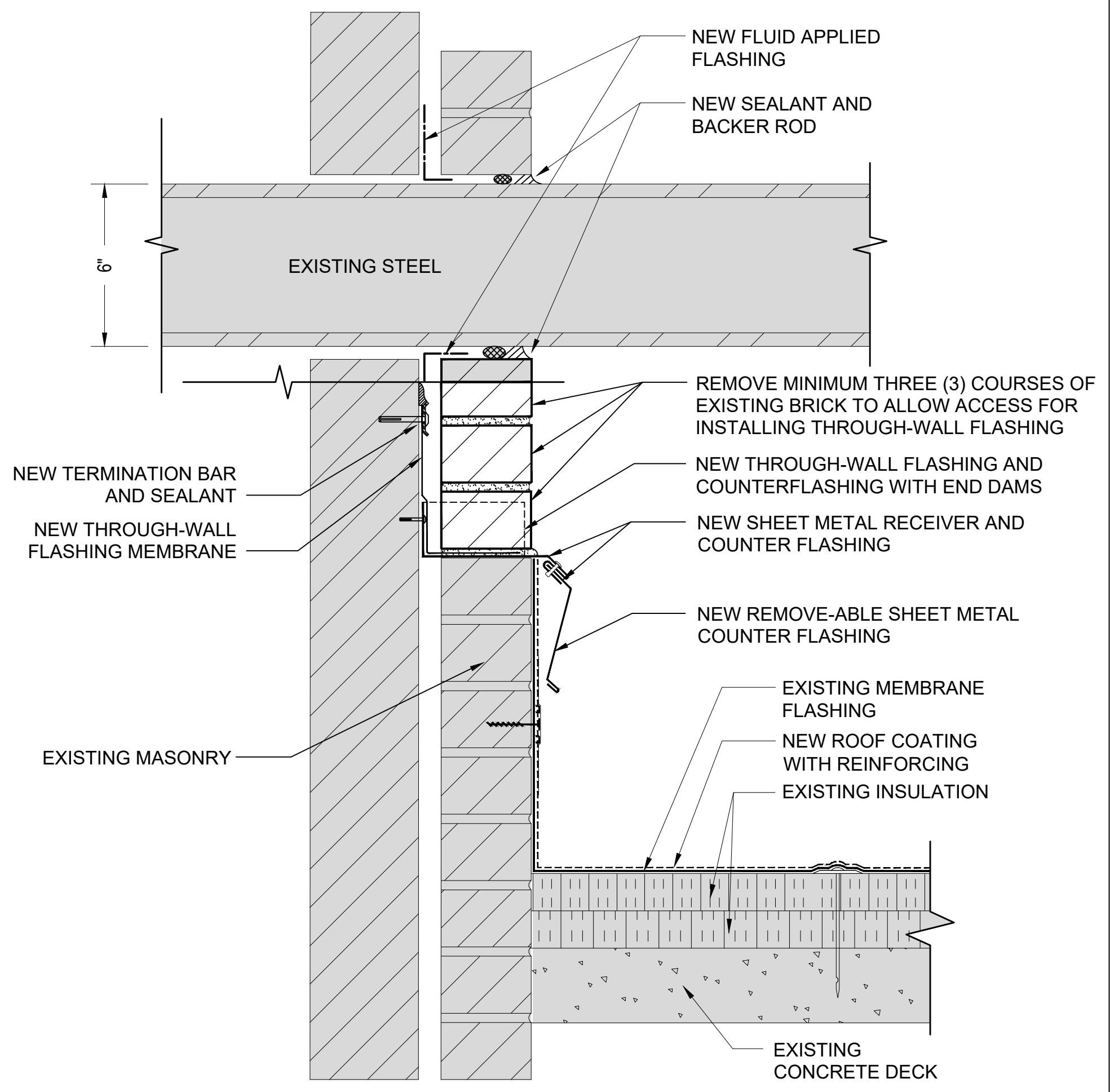
ISSUE DATE:

11-22-2022

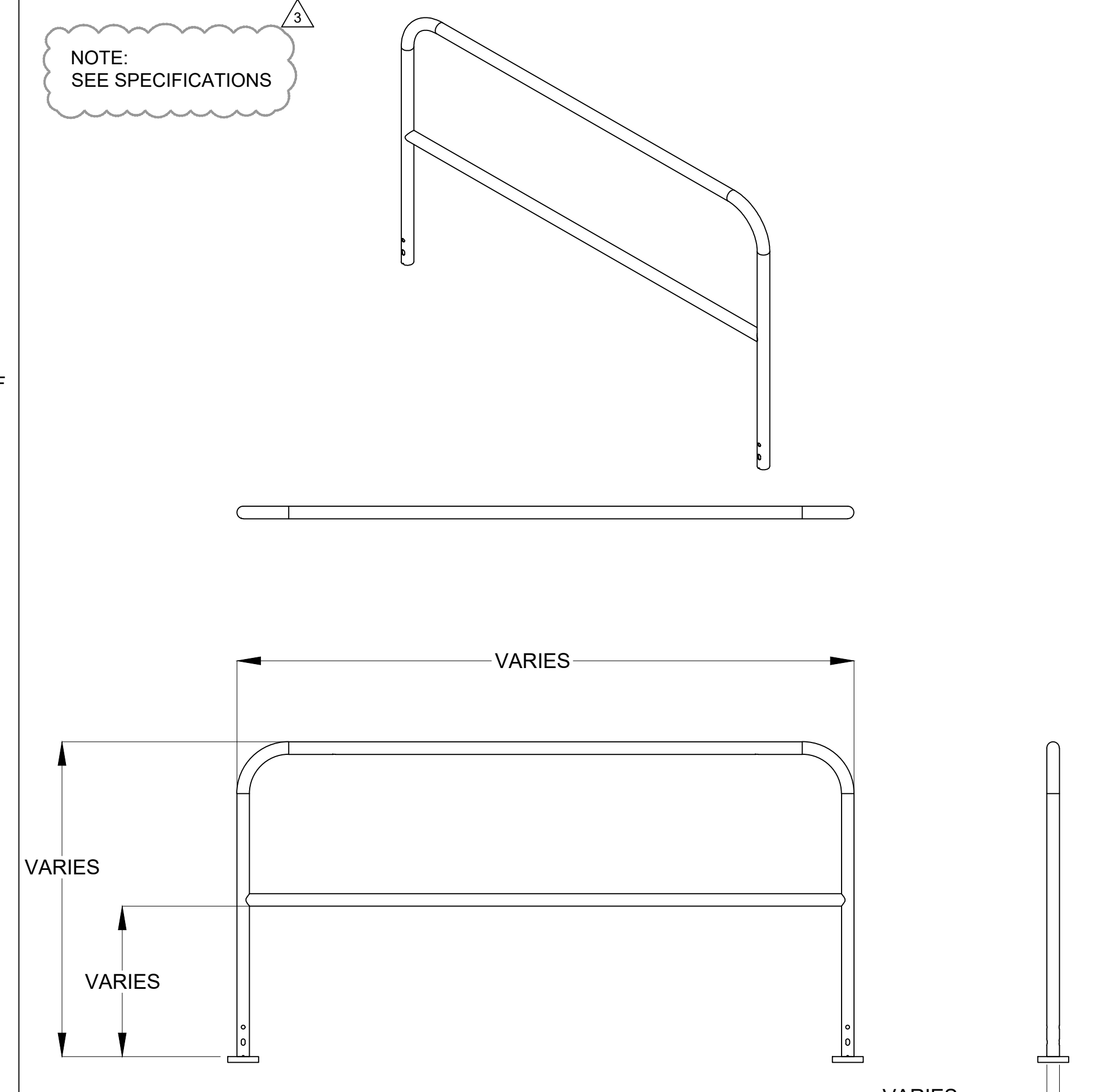
SHEET NUMBER

A-401

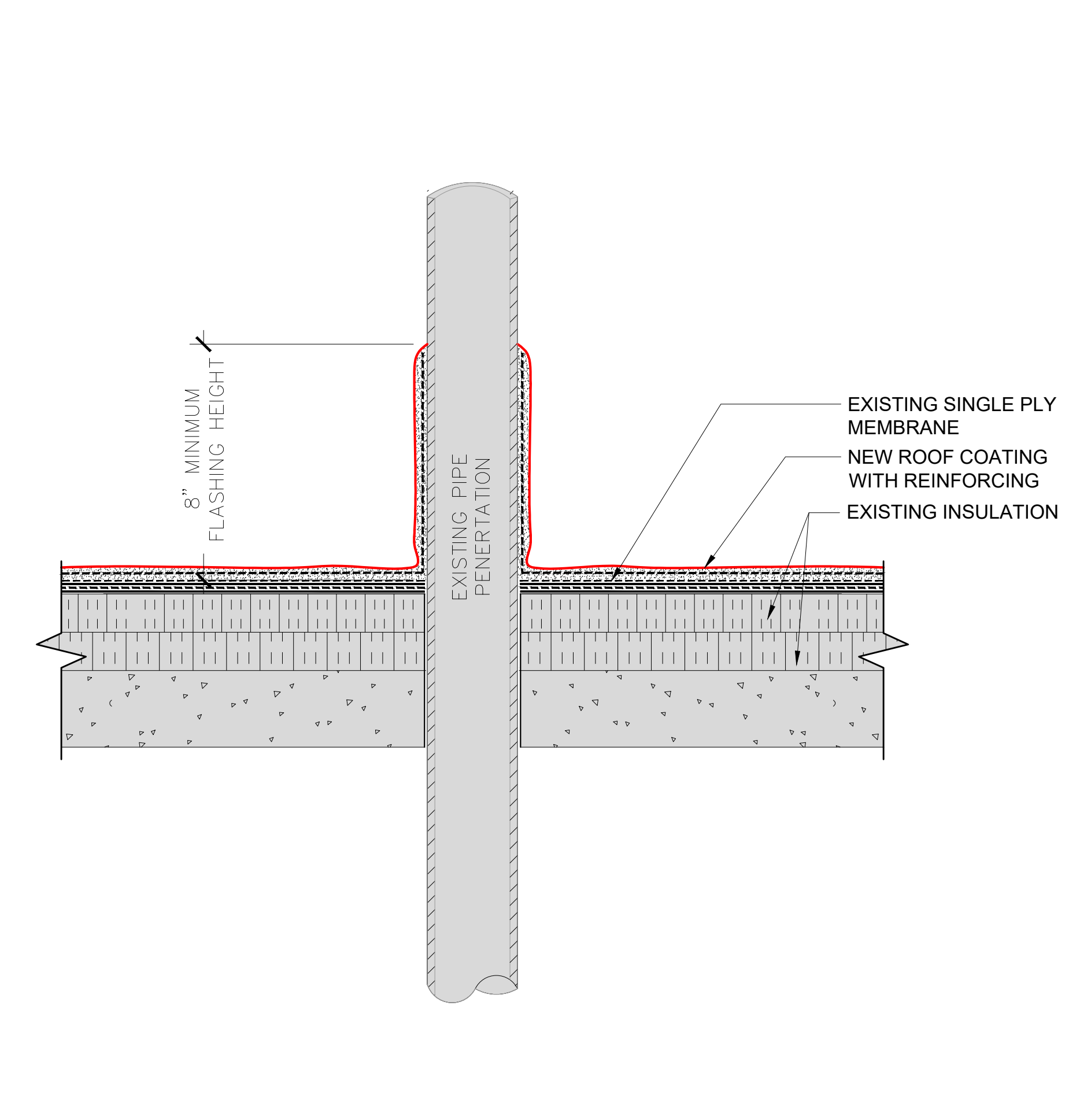
NOTE:
SEE SPECIFICATIONS



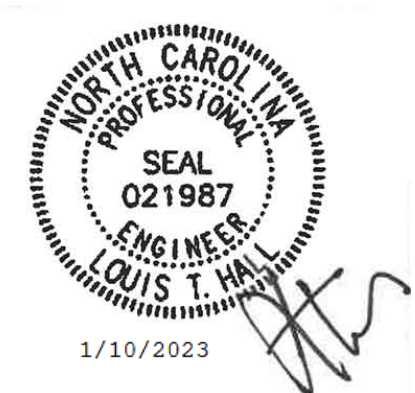
1 THROUGH-WALL FLASHING REPLACEMENT
3"=1'-0"



2 BALLASTED GUARDRAIL SYSTEM
3"=1'-0"



3 PIPE PENETRATION DETAIL
3"=1'-0"



REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
9035 UNIVERSITY ROAD
CHARLOTTE, NC 28223
REESE BUILDING DETAILS

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: LTH

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ISSUE DATE:
11-22-2022

SHEET NUMBER
A-402

LEGEND	
	PARAPET
	WALK PAD
	VENTILATOR
	OVERFLOW SCUPPER
	ROOF SCUTTLE
	ROOF DRAIN AND SUMP
	OVERFLOW ROOF DRAIN
	PLUMBING VENT STACK
	LADDER
	BEAM WRAP ROOF ANCHOR
	METAL DECK MOUNT ROOF ANCHOR

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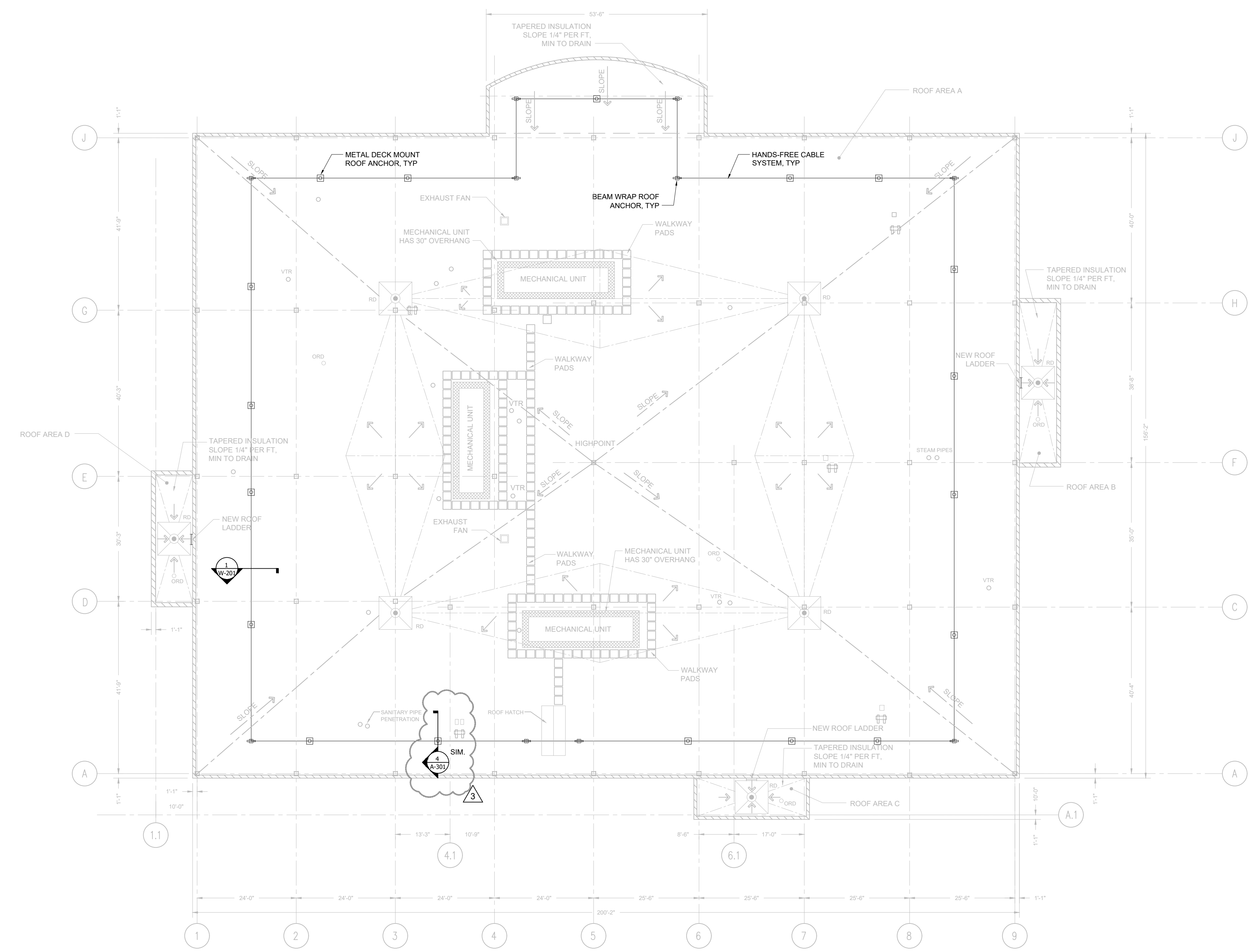
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1/10/2023

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UNC AT CHARLOTTE
9209 MARY ALEXANDER ROAD
CHARLOTTE, NC 28262

FRIDAY BUILDING ANCHOR LAYOUT PLAN



REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: LTH

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ISSUE DATE:
11-22-2022

SHEET NUMBER
W-101

1 FRIDAY BUILDING ANCHOR LAYOUT PLAN
1/16" = 1'-0"

LEGEND

	PARAPET
	WALK PAD
	VENTILATOR
	OVERFLOW SCUPPER
	ROOF SCUTTLE
	ROOF DRAIN AND SUMP
	OVERFLOW ROOF DRAIN
	CONCRETE JOIST WRAP ROOF ANCHOR
	BALLASTED GUARDRAIL SYSTEM

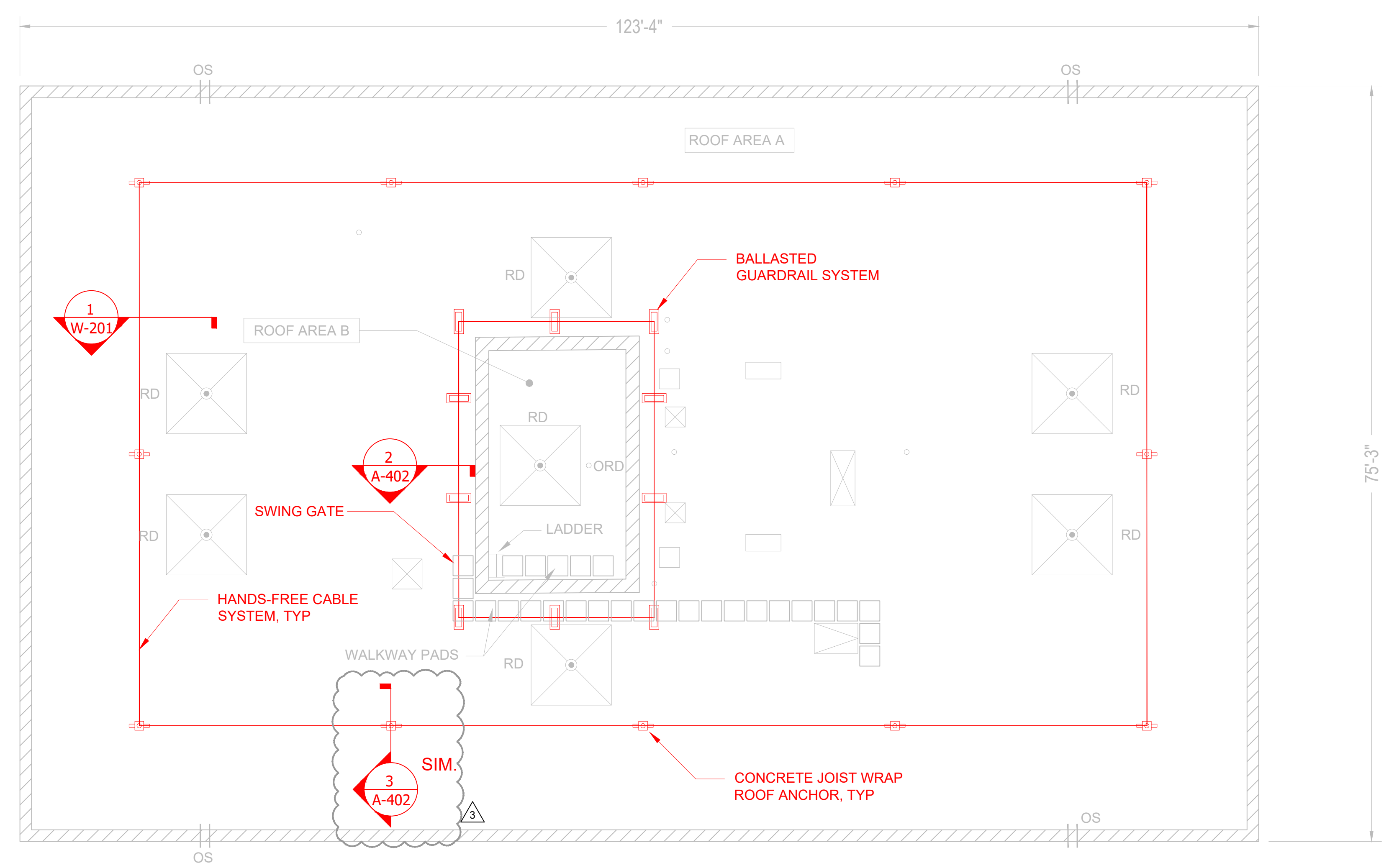


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REESE & FRIDAY ROOFS
UNC AT CHARLOTTE
 9035 UNIVERSITY ROAD
 CHARLOTTE, NC 28223
 REESE BUILDING ANCHOR LAYOUT PLAN



1 REESE BUILDING ANCHOR LAYOUT PLAN
 1/8" = 1'-0"

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
 FH226151

DESIGNED BY: NEA

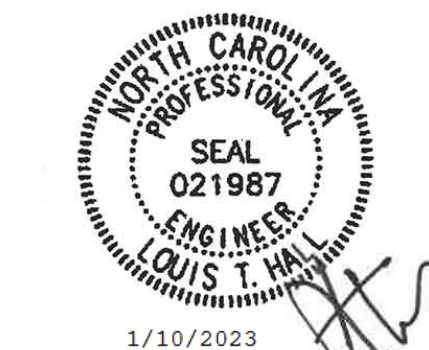
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APPROVED BY: LTH

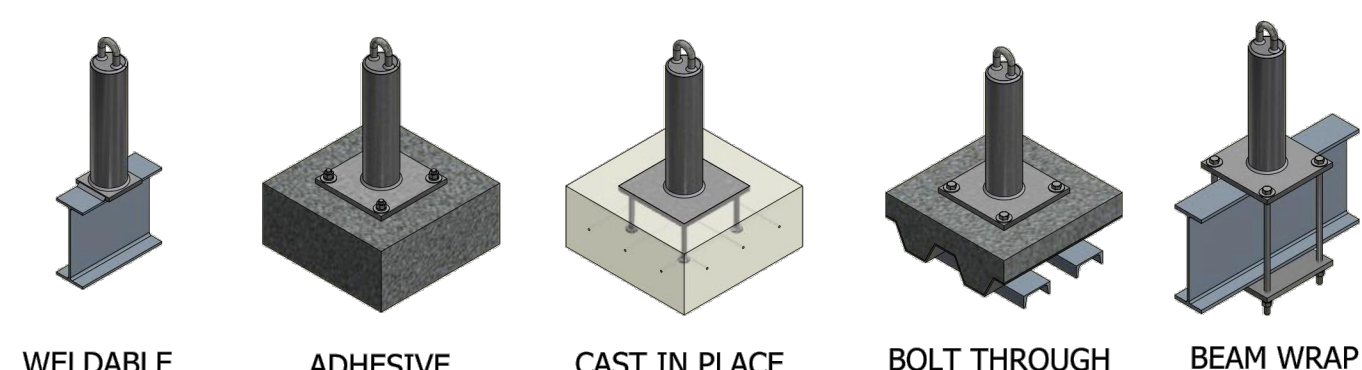
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 - SURVEY REPORT - REPAIR DOCUMENTS
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ISSUE DATE:
 11-22-2022

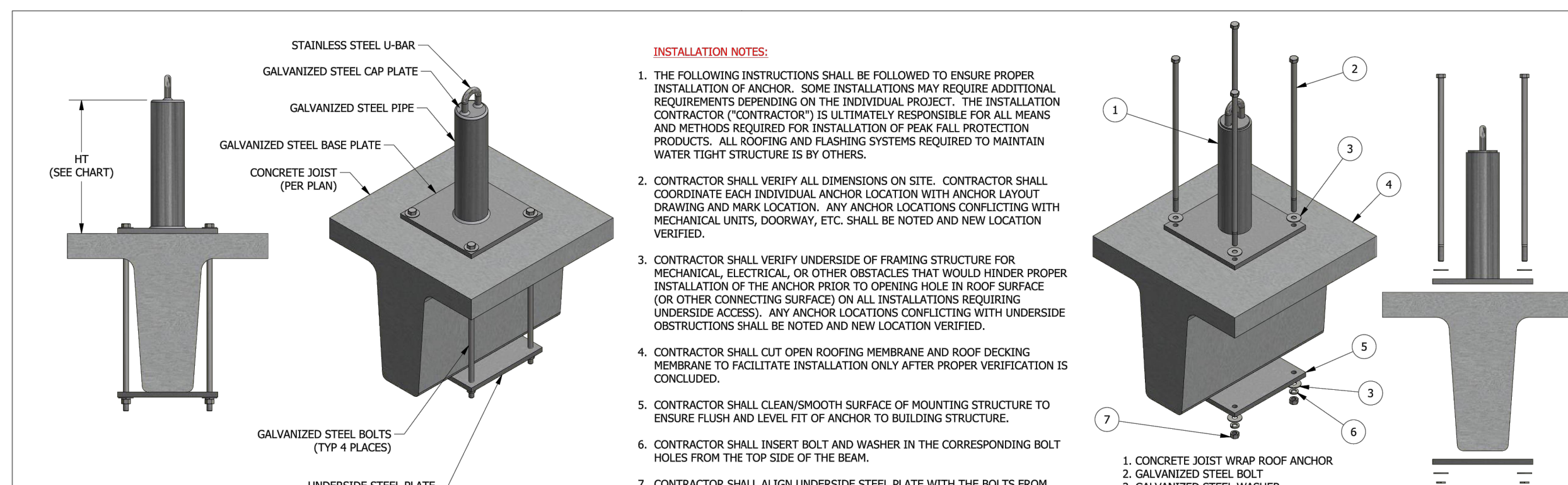
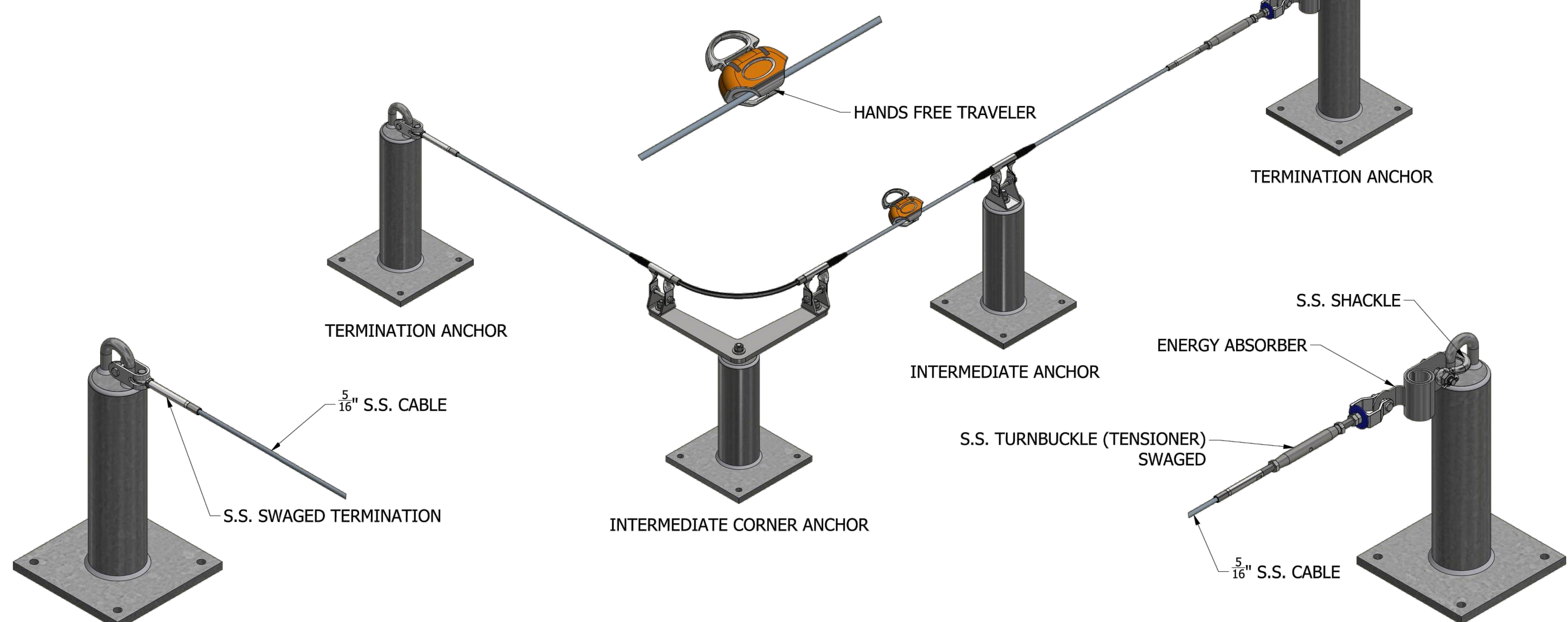
SHEET NUMBER
W-102



TYPICAL ANCHOR ATTACHMENT - TO SUIT EXISTING STRUCTURE



NOTE: ANCHORS ARE DESIGNED TO RESIST A 5,000 LBS ULTIMATE LOAD.



INSTALLATION NOTES:

1. THE FOLLOWING INSTRUCTIONS SHALL BE FOLLOWED TO ENSURE PROPER INSTALLATION OF ANCHOR. SOME INSTALLATIONS MAY REQUIRE ADDITIONAL REQUIREMENTS DEPENDING ON THE INDIVIDUAL PROJECT. THE INSTALLATION CONTRACTOR ("CONTRACTOR") IS ULTIMATELY RESPONSIBLE FOR ALL MEANS AND METHODS REQUIRED FOR INSTALLATION OF PEAK FALL PROTECTION PRODUCTS. ALL ROOFING AND FLASHING SYSTEMS REQUIRED TO MAINTAIN WATER-TIGHT STRUCTURE IS BY OTHERS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE. CONTRACTOR SHALL COORDINATE EACH INDIVIDUAL ANCHOR LOCATION WITH ANCHOR LAYOUT DRAWING AND MARK LOCATION. ANY ANCHOR LOCATIONS CONFLICTING WITH MECHANICAL UNITS, DOORWAY, ETC. SHALL BE NOTED AND NEW LOCATION VERIFIED.
3. CONTRACTOR SHALL VERIFY UNDERSIDE OF FRAMING STRUCTURE FOR MECHANICAL, ELECTRICAL, OR OTHER OBSTACLES THAT WOULD HINDER PROPER INSTALLATION OF THE ANCHOR PRIOR TO OPENING HOLE IN ROOF SURFACE (OR OTHER CONNECTING SURFACE) ON ALL INSTALLATIONS REQUIRING UNDERSIDE ACCESS. ANY ANCHOR LOCATIONS CONFLICTING WITH UNDERSIDE OBSTRUCTIONS SHALL BE NOTED AND NEW LOCATION VERIFIED.
4. CONTRACTOR SHALL CUT OPEN ROOFING MEMBRANE AND ROOF DECKING MEMBRANE TO FACILITATE INSTALLATION ONLY AFTER PROPER VERIFICATION IS CONCLUDED.
5. CONTRACTOR SHALL CLEAN/SMOOTH SURFACE OF MOUNTING STRUCTURE TO ENSURE FLUSH AND LEVEL FIT OF ANCHOR TO BUILDING STRUCTURE.
6. CONTRACTOR SHALL INSERT BOLT AND WASHER IN THE CORRESPONDING BOLT HOLES FROM THE TOP SIDE OF THE JOIST.
7. CONTRACTOR SHALL ALIGN UNDERSIDE STEEL PLATE WITH THE BOLTS FROM ABOVE. CONTRACTOR SHALL MAKE PROVISION TO INSURE FLUSH CONTACT BETWEEN THE UNDERSIDE STEEL SUPPORT PLATE AND EXISTING FRAMING STRUCTURE.
8. CONTRACTOR SHALL FASTEN UNDERSIDE STEEL SUPPORT PLATE TO THE BOLTS WITH (1) FLAT WASHER, (2) NUTS PER BOLT. CONTRACTOR SHALL TORQUE NUTS TO SNUG TIGHT.
9. ALL ANCHORAGE BOLTS SHALL HAVE A MINIMUM OF TWO THREADS EXPOSED WHEN NUTS HAVE BEEN TIGHTENED AND THE EXPOSED THREADS (MIN. OF (2) THREADS) SHALL BE DEFORMED TO PREVENT TAMPERING.
10. ALL NECESSARY ANCHOR INSPECTIONS/TESTING SHALL BE DONE PRIOR TO REPLACEMENT OF ROOFING MEMBRANE.
11. CONTRACTOR SHALL MARK FINAL ANCHOR LOCATION ON AS-BUILT DRAWINGS AND RETURN AS-BUILT DRAWINGS TO PEAK FALL PROTECTION.
12. CONTRACTOR SHALL PERFORM ANY POST ANCHOR INSTALLATION INSPECTION AND TESTING AND FILL OUT PROPER FORMS FOR RETURN TO PEAK FALL PROTECTION.

DESIGN NOTES:

1. ANCHORAGE SYSTEM IS DESIGNED IN ACCORDANCE WITH STATE BUILDING CODES, FEDERAL OSHA STANDARD 1910, SUBPART D (WALKING-WORKING SURFACES), OSHA STANDARD 1910, SUBPART F (POWERED PLATFORMS, MAN LIFTS, AND VEHICLE WORK PLATFORMS), OSHA STANDARD 1926, SUBPART M (FALL PROTECTION), ASME A10.1 (SAFETY REQUIREMENTS FOR POWERED PLATFORMS FOR BUILDING MAINTENANCE) AND THE ANSI/TWCA 114.1 (WINDOW CLEANING SAFETY).
2. ALL ANCHORAGE POINTS FOR PERSONAL FALL ARREST SYSTEMS ARE DESIGNED TO SUPPORT AN ULTIMATE LOAD OF 5,000 LBS (WORKING LOAD IS 1,250 LBS) PER LIFELINE. A MAXIMUM OF ONE LIFELINE (OR APPROVED EQUIPMENT TIE-BACK LINE) SHALL BE ATTACHED TO A SINGLE ANCHORAGE POINT AT ONE TIME.
3. ALL ANCHORAGE COMPONENTS ARE EVALUATED BY TYPICAL STRUCTURAL CALCULATIONS AND/OR APPROVED TESTING METHODS.
4. THE LIVE LOADS IMPOSED BY THE ANCHOR ON THE BUILDING STRUCTURE SHALL BE VERIFIED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT.

GENERAL MATERIAL SPECIFICATION:

STEEL PIPE: ASTM A53 (35 ksi)
PLATE STEEL: ASTM A36 (36 ksi)
STAINLESS STEEL: TYPE 304 (30 ksi)

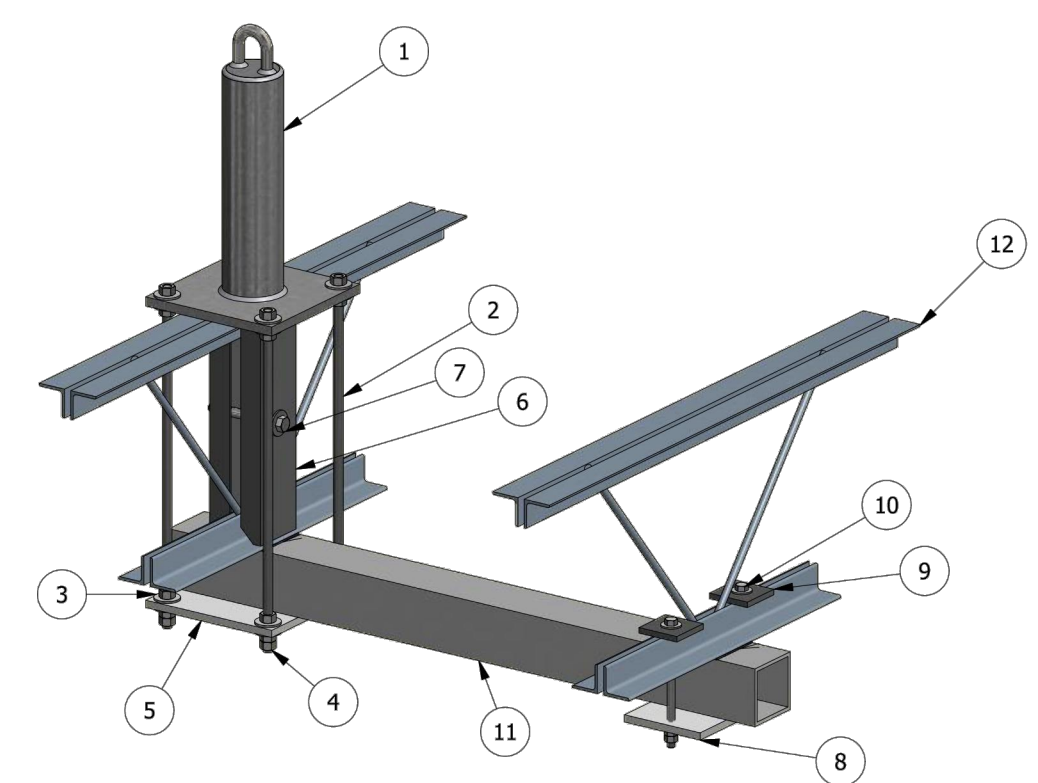
CONCRETE JOIST WRAP ROOF ANCHOR

SERVICE LOADS TRANSFERRED TO STRUCTURE

MODEL NUMBER	ANCHOR HT (IN)	PIPE O.D. (IN)	HOLE SPACING (IN)	SHEAR (LBS)	AXIAL (LBS)	MOMENT* (LBS-FT)
RA-4708	8"	4.0"	8"x8"	1,250 lbs	1,250 lbs	835 ft-lbs
RA-4710	10"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,045 ft-lbs
RA-4712	12"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,250 ft-lbs
RA-4714	14"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,460 ft-lbs
RA-4716	16"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,670 ft-lbs
RA-4718	18"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,875 ft-lbs
RA-4720	20"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,085 ft-lbs
RA-4722	22"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,295 ft-lbs
RA-4724	24"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,500 ft-lbs

INSTALLATION NOTES:

1. THE FOLLOWING INSTRUCTIONS SHALL BE FOLLOWED TO ENSURE PROPER INSTALLATION OF ANCHOR. SOME INSTALLATIONS MAY REQUIRE ADDITIONAL REQUIREMENTS DEPENDING ON THE INDIVIDUAL PROJECT. THE INSTALLATION CONTRACTOR ("CONTRACTOR") IS ULTIMATELY RESPONSIBLE FOR ALL MEANS AND METHODS REQUIRED FOR INSTALLATION OF PEAK FALL PROTECTION PRODUCTS. ALL ROOFING AND FLASHING SYSTEMS REQUIRED TO MAINTAIN WATER-TIGHT STRUCTURE IS BY OTHERS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE. CONTRACTOR SHALL COORDINATE EACH INDIVIDUAL ANCHOR LOCATION WITH ANCHOR LAYOUT DRAWING AND MARK LOCATION. ANY ANCHOR LOCATIONS CONFLICTING WITH MECHANICAL UNITS, DOORWAY OR OTHER OBSTACLE SHALL BE NOTED AND NEW LOCATION VERIFIED.
3. CONTRACTOR SHALL VERIFY UNDERSIDE OF FRAMING STRUCTURE FOR MECHANICAL, ELECTRICAL, OR OTHER OBSTACLES THAT WOULD HINDER PROPER INSTALLATION OF THE ANCHOR PRIOR TO OPENING HOLE IN ROOF SURFACE (OR OTHER CONNECTING SURFACE) ON ALL INSTALLATIONS REQUIRING UNDERSIDE ACCESS. ANY ANCHOR LOCATIONS CONFLICTING WITH UNDERSIDE OBSTRUCTIONS SHALL BE NOTED AND NEW LOCATION VERIFIED.
4. CONTRACTOR SHALL CUT OPEN ROOFING MEMBRANE AND ROOF DECKING MEMBRANE TO FACILITATE INSTALLATION ONLY AFTER PROPER VERIFICATION IS CONCLUDED.
5. CONTRACTOR SHALL CLEAN/SMOOTH SURFACE OF MOUNTING STRUCTURE TO ENSURE FLUSH AND LEVEL FIT OF ANCHOR TO BUILDING STRUCTURE.
6. CONTRACTOR SHALL INSERT STEEL BOLT AND WASHER IN THE CORRESPONDING BOLT HOLES FROM THE TOP SIDE OF THE JOIST. CONTRACTOR SHALL INSTALL FLAT WASHER AND HEX NUT TO BOTTOM SIDE OF ANCHOR BASE PLATE AND TIGHTEN. CONTRACTOR SHALL THEN INSTALL HEX NUT AND FLAT WASHER TO FASTEN TO THE TOP OF UNDERSIDE PLATE.
7. CONTRACTOR SHALL ALIGN UNDERSIDE SUPPORT AND PLATE WITH THE BOLTS FROM ABOVE. CONTRACTOR SHALL MAKE PROVISION TO INSURE FLUSH CONTACT BETWEEN THE UNDERSIDE STEEL SUPPORT AND EXISTING FRAMING STRUCTURE. CONTRACTOR SHALL FASTEN UNDERSIDE SUPPORT PLATE TO THE BOLTS WITH (1) FLAT WASHER, (2) NUTS PER BOLT. CONTRACTOR SHALL TIGHTEN HEX NUTS ON TOP AND BOTTOM OF THE UNDERSIDE PLATE. CONTRACTOR SHALL TORQUE NUTS SNUG TIGHT.
8. ALL ANCHORAGE BOLTS/THEADED RODS SHALL HAVE A MINIMUM OF TWO THREADS EXPOSED WHEN NUTS HAVE BEEN TIGHTENED AND THE EXPOSED THREADS (MIN. OF (2) THREADS) SHALL BE DEFORMED TO PREVENT TAMPERING.
9. ALL NECESSARY ANCHOR INSPECTIONS/TESTING SHALL BE DONE PRIOR TO REPLACEMENT OF ROOFING MEMBRANE.
10. ROOF MEMBRANE REPAIR AND PROPER ANCHOR FLASHING SHALL BE PERFORMED BY A BUILDING OWNER-APPROVED CONTRACTOR.
11. CONTRACTOR SHALL MARK FINAL ANCHOR LOCATION ON AS-BUILT DRAWINGS AND RETURN AS-BUILT DRAWINGS TO THE ENGINEER OF RECORD.
12. CONTRACTOR SHALL PERFORM ANY POST ANCHOR INSTALLATION INSPECTION AND TESTING AND FILL OUT PROPER FORMS FOR RETURN TO THE ENGINEER OF RECORD.



PARTS LIST:

1. JOIST WRAP ROOF ANCHOR
2. GALVANIZED STEEL THREADED ROD WITH WELDED HEX NUT (QTY 4 PER ANCHOR)
3. GALVANIZED STEEL FLAT WASHER (QTY 16 PER ANCHOR)
4. GALVANIZED STEEL HEX NUT (QTY 12 PER ANCHOR)
5. PRIMED UNDERSIDE CONNECTION PLATE
6. PRIMED STEEL WEB STIFFENER
7. WEB STIFFENER CONNECTION BOLT AND HARDWARE
8. ADJACENT JOIST PRIMED UNDERSIDE CONNECTION PLATE (QTY 1 PER ANCHOR)
9. ADJACENT JOIST PRIMED UPPER CONNECTION PLATE (QTY 2 PER ANCHOR)
10. ADJACENT JOIST CONNECTION BOLT AND HARDWARE (QTY 2 PER ANCHOR)
11. PRIMED HSS DISTRIBUTION BEAM TO SPAN TO ONE ADJACENT JOIST
12. EXISTING JOIST STRUCTURE (BY OTHERS)

JOIST WRAP ROOF ANCHOR

SERVICE LOADS TRANSFERRED TO STRUCTURE

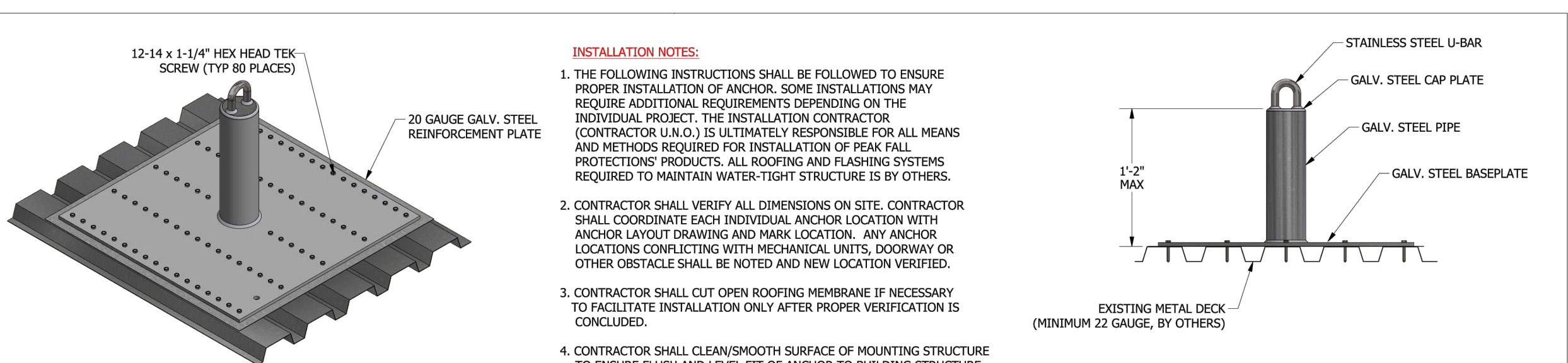
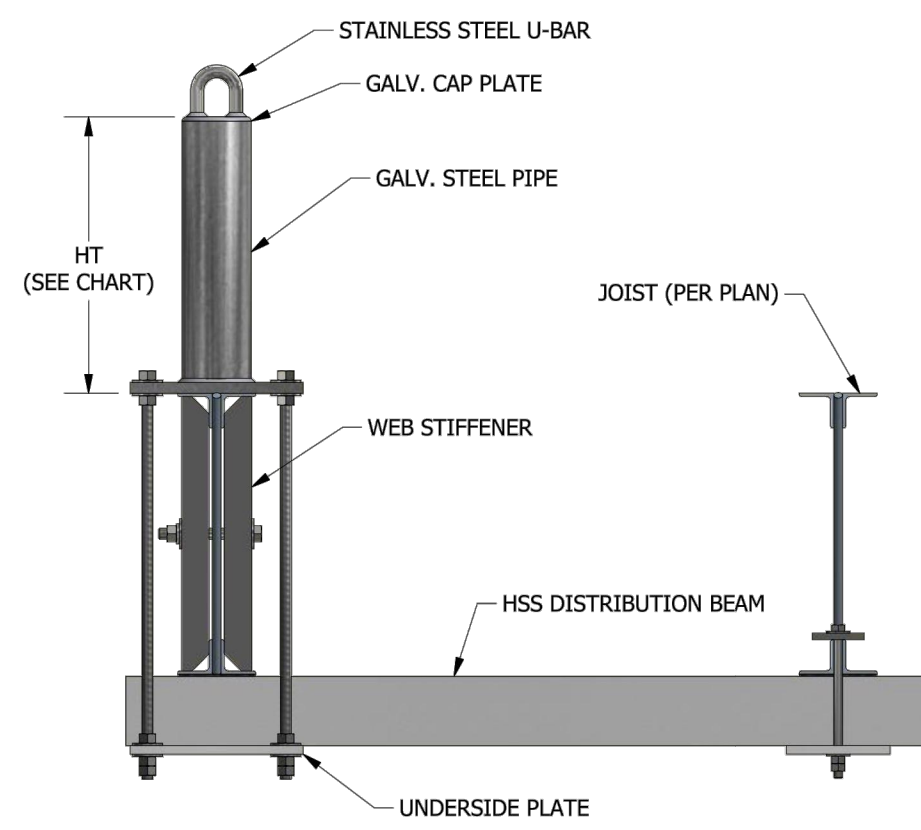
MODEL NUMBER	ANCHOR HT (IN)	PIPE O.D. (IN)	HOLE SPACING (IN)	SHEAR (LBS)	AXIAL (LBS)	MOMENT* (LBS-FT)
RA-4508 JWDB1	8"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,045 ft-lbs
RA-4510 JWDB1	10"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,250 ft-lbs
RA-4512 JWDB1	12"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,460 ft-lbs
RA-4514 JWDB1	14"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,670 ft-lbs
RA-4516 JWDB1	16"	4.0"	8"x8"	1,250 lbs	1,250 lbs	1,875 ft-lbs
RA-4518 JWDB1	18"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,085 ft-lbs
RA-4520 JWDB1	20"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,295 ft-lbs
RA-4522 JWDB1	22"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,500 ft-lbs
RA-4524 JWDB1	24"	4.0"	8"x8"	1,250 lbs	1,250 lbs	2,710 ft-lbs

DESIGN NOTES:

1. ANCHORAGE SYSTEM IS DESIGNED IN ACCORDANCE WITH STATE BUILDING CODES, FEDERAL OSHA STANDARD 1910, SUBPART D (WALKING-WORKING SURFACES), OSHA STANDARD 1910, SUBPART F (POWERED PLATFORMS, MAN LIFTS, AND VEHICLE WORK PLATFORMS), OSHA STANDARD 1926, SUBPART M (FALL PROTECTION), ASME A10.1 (SAFETY REQUIREMENTS FOR POWERED PLATFORMS FOR BUILDING MAINTENANCE) AND THE ANSI/TWCA 114.1 (WINDOW CLEANING SAFETY).
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4. THE LIVE LOADS IMPOSED BY THE ANCHOR ON THE BUILDING STRUCTURE SHALL BE VERIFIED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT.

GENERAL MATERIAL SPECIFICATION:

STEEL PIPE: ASTM A53 (35 ksi)
PLATE STEEL: ASTM A36 (36 ksi)
STAINLESS STEEL: TYPE 304 (30 ksi)



INSTALLATION NOTES:

1. THE FOLLOWING INSTRUCTIONS SHALL BE FOLLOWED TO ENSURE PROPER INSTALLATION OF ANCHOR. SOME INSTALLATIONS MAY REQUIRE ADDITIONAL REQUIREMENTS DEPENDING ON THE INDIVIDUAL PROJECT. THE INSTALLATION CONTRACTOR ("CONTRACTOR") IS ULTIMATELY RESPONSIBLE FOR ALL MEANS AND METHODS REQUIRED FOR INSTALLATION OF PEAK FALL PROTECTION PRODUCTS. ALL ROOFING AND FLASHING SYSTEMS REQUIRED TO MAINTAIN WATER-TIGHT STRUCTURE IS BY OTHERS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE. CONTRACTOR SHALL COORDINATE EACH INDIVIDUAL ANCHOR LOCATION WITH ANCHOR LAYOUT DRAWING AND MARK LOCATION. ANY ANCHOR LOCATIONS CONFLICTING WITH MECHANICAL UNITS, DOORWAY OR OTHER OBSTACLE SHALL BE NOTED AND NEW LOCATION VERIFIED.
3. CONTRACTOR SHALL CUT OPEN ROOFING MEMBRANE IF NECESSARY TO FACILITATE INSTALLATION ONLY AFTER PROPER VERIFICATION IS CONCLUDED.
4. CONTRACTOR SHALL CLEAN/SMOOTH SURFACE OF MOUNTING STRUCTURE TO ENSURE FLUSH AND LEVEL FIT OF ANCHOR TO BUILDING STRUCTURE.
5. CONTRACTOR SHALL ALIGN THE HOLES IN THE METAL DECK ANCHOR WITH METAL DECK TOP FLUTES AND INSTALL (80) TEK SCREWS THROUGH THE METAL DECK ANCHOR BASEPLATE, REINFORCEMENT PLATE AND INTO THE EXISTING METAL DECK. THE FASTENER IS FULLY SEATED WHEN THE HEAD IS FLUSH WITH THE BASEPLATE. DO NOT OVERDRIVE. THE FASTENERS MUST PENETRATE BEYOND THE METAL DECKING A MINIMUM OF THREE PITCHES OF THREAD.
6. ALL NECESSARY ANCHOR INSPECTIONS/TESTING SHALL BE DONE PRIOR TO REPLACEMENT OF ROOFING MEMBRANE.
7. ROOF MEMBRANE REPAIR AND PROPER ANCHOR FLASHING SHALL BE PERFORMED BY A BUILDING OWNER-APPROVED CONTRACTOR.
8. CONTRACTOR SHALL MARK FINAL ANCHOR LOCATION ON AS-BUILT DRAWINGS AND RETURN AS-BUILT DRAWINGS TO THE ENGINEER OF RECORD.
9. CONTRACTOR SHALL PERFORM ANY POST ANCHOR INSTALLATION INSPECTION AND TESTING AND FILL OUT PROPER FORMS FOR RETURN TO THE ENGINEER OF RECORD.

PARTS LIST

ITEM	QTY	PART NUMBER
1	1	METAL DECK (BY OTHERS)
2	1	28" x 28" DECK REINFORCEMENT PLATE
3	1	METAL DECK MOUNT ANCHOR
4	80	1/4" x 1-1/4" HWH TEK SCREW

GENERAL MATERIAL SPECIFICATION:

STEEL PIPE: ASTM A53 (35 KSI)
PLATE STEEL: ASTM A36 (36 KSI)
STAINLESS STEEL: TYPE 304 (30 KSI)

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3	01-10-23	
4		

TERRACON PROJECT NUMBER:
FH226151

DESIGNED BY: NEA

DRAWN BY: SWP

APPROVED BY: SSS

- ISSUE FOR:
- REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION
 - SURVEY REPORT - REPAIR DOCUMENTS
 - SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION
 - DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION
 - PERMITTING / BIDDING
 - CONSTRUCTION DOCUMENTS
 - ADDENDUM SUBMITTAL
 - RECORD DRAWINGS

ISSUE DATE:
09-27-2022

SHEET NUMBER
W-201