



ORANGE COUNTY LIBRARY SYSTEM

DOWNTOWN LIBRARY REROOF

101 E. Central Ave, Orlando, Florida 32801

PARCEL ID : 12-24-31-0000-00-002

ISSUE # DATE DESCRIPTION

REFERENCE SYMBOLS

SECTIONS

SECTION NUMBER
DRAWING WHERE SECTION IS SHOWN
DIRECTION OF SECTION CUT

ELEVATIONS

DIRECTION OF ELEVATION VIEW
ELEVATION NUMBER
DRAWING WHERE ELEVATION IS SHOWN

DETAILS

DETAIL NUMBER
DRAWING WHERE DETAIL IS SHOWN

INTERIOR PARTITIONS

LETTER INDICATES INTERIOR PARTITION TYPE
NUMBER INDICATES STRUCTURE DEPTH.

DOOR & OPENING NUMBERS

WINDOW TYPE

REVISIONS

ISSUE IN WHICH REVISION OCCURS
CLOUD SURROUNDING AREA OF CURRENT REVISION

ROOM NUMBERS

ROOM NAME
ROOM NUMBER - FIRST DIGIT INDICATES FLOOR OR LEVEL

GENERAL INTERIOR FINISH TAG

ACCOMPANYING NOTE
FINISH TYPE

INTERIOR FINISH ACCENT WALL TAG

FINISH TYPE
LINE INDICATES EXTENT OF SURFACE TO RECEIVE SPECIFIED FINISH TYPE

GENERAL INTERIOR FINISH TAG

FLOOR FINISH
WALL FINISH; WHERE APPLICABLE REFER TO ACCENT WALL TAG FOR SPECIFIC WALL TREATMENT
CEILING FINISH
REMARK
TRIM
WALL BASE

BUILDING CODE ANALYSIS

CODES IN EFFECT:

- 2020 FLORIDA BUILDING CODE, BUILDING, 7TH EDITION
- 2020 FLORIDA EXISTING BUILDING CODE, 7TH EDITION
- 2020 FLORIDA BUILDING CODE, ACCESSIBILITY, 7TH EDITION
- NATIONAL ELECTRIC CODE 2017 NFPA 70
- FLORIDA FIRE PREVENTION CODE, 7TH EDITION
- NFPA 1 FIRE CODE, 2018 EDITION
- NFPA 101 LIFE SAFETY CODE, 2018 EDITION (ADOPTED DECEMBER 31, 2020) PLUS AMENDMENTS

EXISTING BUILDING CODE DATA: BUILDING OCCUPANCY GROUP: BUSINESS 'B'

PROJECT: ORANGE COUNTY LIBRARY SYSTEM DOWNTOWN REROOF - "LEVEL 2" ALTERATIONS

ADDRESS: 101 EAST CENTRAL BLVD., ORLANDO, FL 32801

SCOPE OF PROJECT: PROJECT SCOPE INCLUDES: (1) TOTAL REPLACEMENT OF EXISTING ROOF MEMBRANCE /COATING BY TORCH-APPLIED 3-PLY MODIFIED BITUMEN ROOFING OVER A MECHANICALLY FASTENED BASE SHEET AND A COVER BOARD, SAVE EXISTING USEABLE INSULATION WHERE POSSIBLE; (2) DESIGN OF NEW FLASHINGS AND EXPANSION JOINTS SPECIALTIES; (3) DESIGN NEW WALK PADS AND RAILINGS AND/OR OTHER FALL PROTECTIONS; (4) ADD/MODIFY ROOF DRAINS TO MEET CURRENT CODE REQUIREMENTS; (5) DESIGN OF A NEW LIGHTNING PROTECTION SYSTEM. THESE DESIGN DOCUMENTS ARE PHASE 1 OF 3 SEPARATE PROJECTS / PHASES TO BE BID OVER MULTIPLE YEARS

CLIENT CONTACT: BRIAN DORNBUSH OCLS, 407.835.7618

ARCHITECT CONTACT: JOE MORGAN KMF ARCHITECTS, 704.298.1988

GENERAL

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
G.000	COVER SHEET	100	2023.07.20
G.001	PHASE 01 OVERALL ROOF PLAN	100	2023.07.20
G.002	PHASE 02 OVERALL ROOF PLAN	100	2023.07.20
G.004	PHASE 01 - REROOF CONTRACTORS ACCESS SITE PLAN	100	2023.07.20

ARCHITECTURAL

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
AD.121	DEMOLITION SECOND FLOOR ROOF PLAN	100	2023.07.20
AD.122	DEMOLITION THIRD FLOOR ROOF PLAN	100	2023.07.20
AD.123	DEMOLITION THIRD FLOOR ROOF PLAN	100	2023.07.20
AD.124	DEMOLITION FIFTH FLOOR ROOF PLAN	100	2023.07.20
AD.125	DEMOLITION FIFTH FLOOR ROOF PLAN	100	2023.07.20
AD.126	DEMOLITION FIFTH FLOOR BALCONY PLAN	100	2023.07.20
AD.127	DEMOLITION FIFTH FLOOR BALCONY PLAN	100	2023.07.20
AD.128	DEMOLITION THIRD FLOOR ROOF PLAN	100	2023.07.20
AD.129	DEMOLITION THIRD FLOOR ROOF PLAN	100	2023.07.20
AD.130	DEMOLITION FIRST FLOOR ROOF PLAN	100	2023.07.20
AD.350	FIRST AND SECOND FLOOR ROOF PHOTOS	100	2023.07.20
AD.351	THIRD, FOURTH & FIFTH FLOOR ROOF PHOTOS	100	2023.06.26
A.121	SECOND FLOOR ROOF PLAN	100	2023.07.20
A.122	THIRD FLOOR ROOF PLAN	100	2023.07.20
A.123	THIRD FLOOR ROOF PLAN	100	2023.07.20
A.124	FIFTH FLOOR ROOF PLAN	100	2023.07.20
A.125	FIFTH FLOOR ROOF PLAN	100	2023.07.20
A.126	FIFTH FLOOR BALCONY PLAN	100	2023.07.20
A.127	FIFTH FLOOR BALCONY PLAN	100	2023.07.20
A.128	THIRD FLOOR ROOF PLAN	100	2023.07.20
A.129	THIRD FLOOR BALCONY PLAN	100	2023.07.20
A.130	FIRST FLOOR ROOF PLAN	100	2023.07.20
A.131	ROOF DETAILS	100	2023.07.20
A.132	ROOF DETAILS	100	2023.07.20
A.133	ROOF DETAILS	100	2023.07.20
A.134	ROOF DETAILS	100	2023.07.20

STRUCTURAL

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
S.001	STRUCTURAL ABBREVIATIONS, SYMBOLS AND NOTES	100	2023.07.20
S.002	COMPONENTS AND CLADDING WIND LOAD DIAGRAM	100	2023.07.20
S.120	PHASE 01 OVERALL ROOF PLAN	100	2023.07.20
S.121	SECOND FLOOR ROOF PLAN	100	2023.07.20
S.122	THIRD FLOOR ROOF PLAN	100	2023.07.20
S.123	THIRD FLOOR ROOF PLAN	100	2023.07.20
S.124	PHASE 02 OVERALL ROOF PLAN	100	2023.07.20
S.125	FIRST FLOOR ROOF PLAN	100	2023.07.20
S.126	THIRD FLOOR ROOF PLAN	100	2023.07.20
S.127	FIFTH FLOOR ROOF PLAN	100	2023.07.20
S.128	STRUCTURAL DETAILS	100	2023.07.20

PLUMBING

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
P.000	PLUMBING SYMBOLS, LEGENDS, NOTES AND INDEX	100	2023.07.20
P.001	OVERALL PLUMBING ROOF PLAN - PHASE 1	100	2023.07.20
P.002	OVERALL PLUMBING ROOF PLAN - PHASE 2	100	2023.07.20
P.121	SECOND FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.122	THIRD FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.123	THIRD FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.124	FIFTH FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.125	FIFTH FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.126	FIFTH FLOOR PLUMBING BALCONY PLAN	100	2023.07.20
P.127	FIFTH FLOOR PLUMBING BALCONY PLAN	100	2023.07.20
P.128	THIRD FLOOR PLUMBING ROOF PLAN	100	2023.07.20
P.129	THIRD FLOOR PLUMBING BALCONY PLAN	100	2023.07.20
P.130	FIRST FLOOR PLUMBING ROOF PLAN	100	2023.07.20

MECHANICAL

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
M.000	MECHANICAL SYMBOLS, LEGEND, NOTES AND INDEX	100	2023.07.20
M.001	OVERALL MECHANICAL ROOF PLAN - PHASE 1	100	2023.07.20
M.002	OVERALL MECHANICAL ROOF PLAN - PHASE 2	100	2023.07.20
M.121	SECOND FLOOR MECHANICAL ROOF PLAN	100	2023.07.20
M.122	THIRD FLOOR MECHANICAL - ROOF PLAN	100	2023.07.20
M.124	FIFTH FLOOR MECHANICAL ROOF PLAN	100	2023.07.20
M.125	FIFTH FLOOR MECHANICAL ROOF PLAN	100	2023.07.20

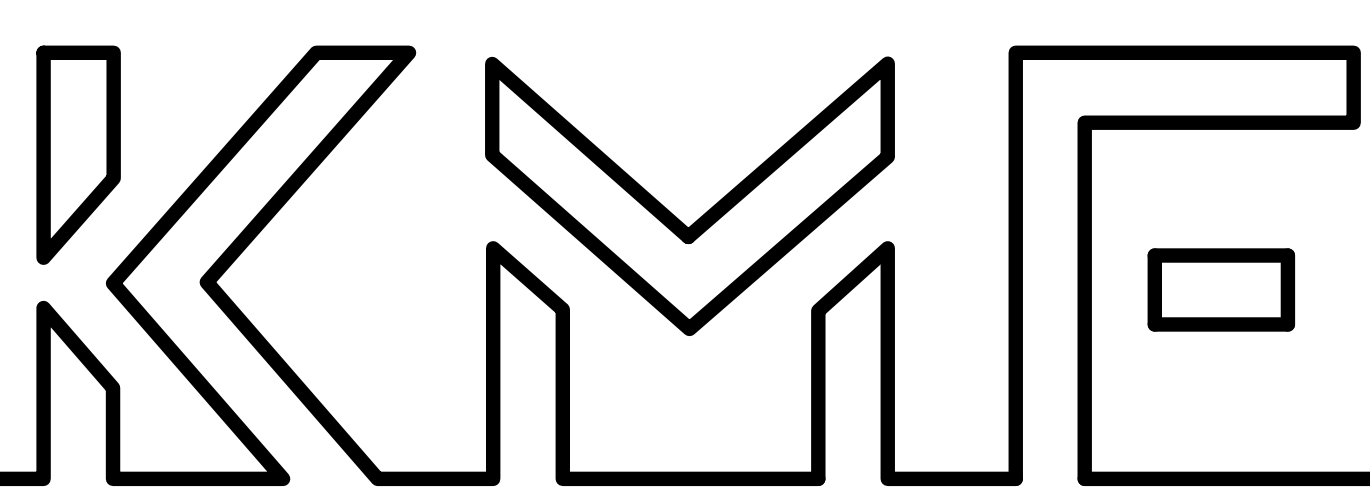
ELECTRICAL

SHEET NO.	SHEET NAME	ISSUE NO.	ISSUED DATE
E.001	ELECTRICAL LEGEND AND NOTES	100	2023.07.20
E.121	SECOND FLOOR ELECTRICAL ROOF PLAN	100	2023.07.20
E.122	THIRD FLOOR ELECTRICAL ROOF PLAN	100	2023.07.20
E.124	FIFTH FLOOR ELECTRICAL ROOF PLAN	100	2023.07.20
E.125	FIFTH FLOOR ELECTRICAL ROOF PLAN	100	2023.07.20



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ORANGE COUNTY LIBRARY SYSTEM
 BRIAN DORNBUSH
 FACILITIES & OPERATIONS MANAGER
 101 E. CENTRAL BLVD.
 ORLANDO, FL 32801
 (407) 835-7618

KMF ARCHITECTS
 839 N. MAGNOLIA AVE.
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 (407) 298-1988
 LIC # AA93580
 ARCHITECTURE

TLC ENGINEERING SOLUTIONS
 255 S. ORANGE AVE. SUITE 1600
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 ENGINEERING

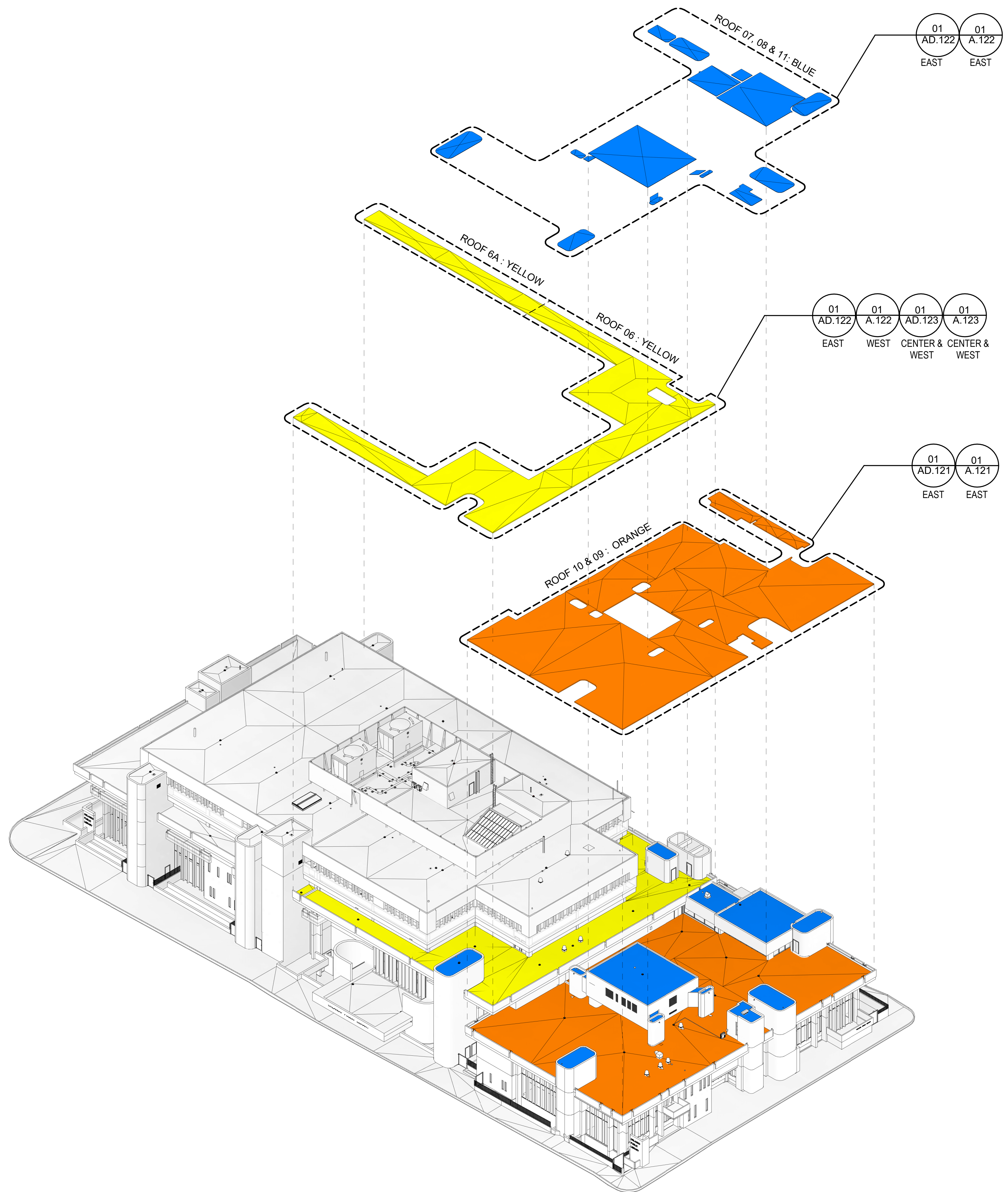
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ERIC KLEINSTEUBER
 FL LICENSE # AR93580

PROJECT # 2215.03
 DATE: 2023.07.20

COVER SHEET

SHEET NUMBER ISSUE
G.000 100



PHASE 02 - AXONOMETRIC DIAGRAM N.T.S 03

ROOF 06 ROOF 6A 9,796 SF

CORE	MATERIAL	%
C10	0.5" COVER BOARD	84.0%
	2.0" ISO	75.5%
	0.5" EPS FOAM BOARD	41.2%
	6.0" LIGHTWEIGHT CONCRETE	64.1%

CORE	MATERIAL	%
N3	0.5" COVER BOARD	6.3%
	2.0" ISO	4.6%
	0.5" EPS FOAM BOARD	4.3%
	11.0" LIGHTWEIGHT CONCRETE	8.5%

CORE	MATERIAL	%
AE10	0.5" COVER BOARD	84.0%
	2.0" ISO	75.5%
	0.5" EPS FOAM BOARD	12.5%
	6.5" LIGHTWEIGHT CONCRETE	12.2%

CORE	MATERIAL	%
A5	0.5" COVER BOARD	10.1%
	2.0" ISO	3.1%
	0.5" EPS FOAM BOARD	3.9%
	7.5" LIGHTWEIGHT CONCRETE	40.5%

CORE	MATERIAL	%
B13	0.5" COVER BOARD	20.5%
	2.0" ISO	26.3%
	0.5" EPS FOAM BOARD	1.1%
	7.0" LIGHTWEIGHT CONCRETE	55.6%

CORE	MATERIAL	%
B19	0.5" COVER BOARD	23.1%
	2.0" ISO	7.0%
	0.5" EPS FOAM BOARD	0.4%
	6.5" LIGHTWEIGHT CONCRETE	53.8%

ROOF 07 ROOF 08 ROOF 11 4,648 SF

CORE	MATERIAL	%
G2	0.5" COVER BOARD	8.9%
	2.0" ISO	2.9%
	0.5" EPS FOAM BOARD	7.1%
	6.0" LIGHTWEIGHT CONCRETE	9.2%

CORE	MATERIAL	%
H15	0.5" COVER BOARD	21.9%
	2.0" ISO	12.5%
	0.5" EPS FOAM BOARD	115.2%
	11.0" LIGHTWEIGHT CONCRETE	61.9%

CORE	MATERIAL	%
F10	0.5" COVER BOARD	23.6%
	2.0" ISO	183.5%
	0.5" EPS FOAM BOARD	142.9%
	6.5" LIGHTWEIGHT CONCRETE	79.9%

CORE	MATERIAL	%
B9	0.5" COVER BOARD	NA
	2.0" ISO	NA
	0.5" EPS FOAM BOARD	6.4%
	6.0" LIGHTWEIGHT CONCRETE	10.1%

CORE	MATERIAL	%
J2	0.5" COVER BOARD	NA
	2.0" ISO	NA
	0.5" EPS FOAM BOARD	7.8%
	11.0" LIGHTWEIGHT CONCRETE	23.5%

CORE	MATERIAL	%
E7	0.5" COVER BOARD	NA
	2.0" ISO	NA
	0.5" EPS FOAM BOARD	A
	6.5" LIGHTWEIGHT CONCRETE	54.5%

ROOF 09 ROOF 10 17,370 SF

CORE	MATERIAL	%
B16	0.5" COVER BOARD	NA
	2.0" ISO	NA
	0.5" EPS FOAM BOARD	10.5%
	6.0" LIGHTWEIGHT CONCRETE	21.9%

CORE	MATERIAL	%
C6	0.5" COVER BOARD	NA
	2.0" ISO	NA
	0.5" EPS FOAM BOARD	NA
	11.0" LIGHTWEIGHT CONCRETE	37.8%

CORE	MATERIAL	%
B3	0.5" COVER BOARD	NA
	2.0" ISO	57.1%
	0.5" EPS FOAM BOARD	582.8%
	6.5" LIGHTWEIGHT CONCRETE	NA%

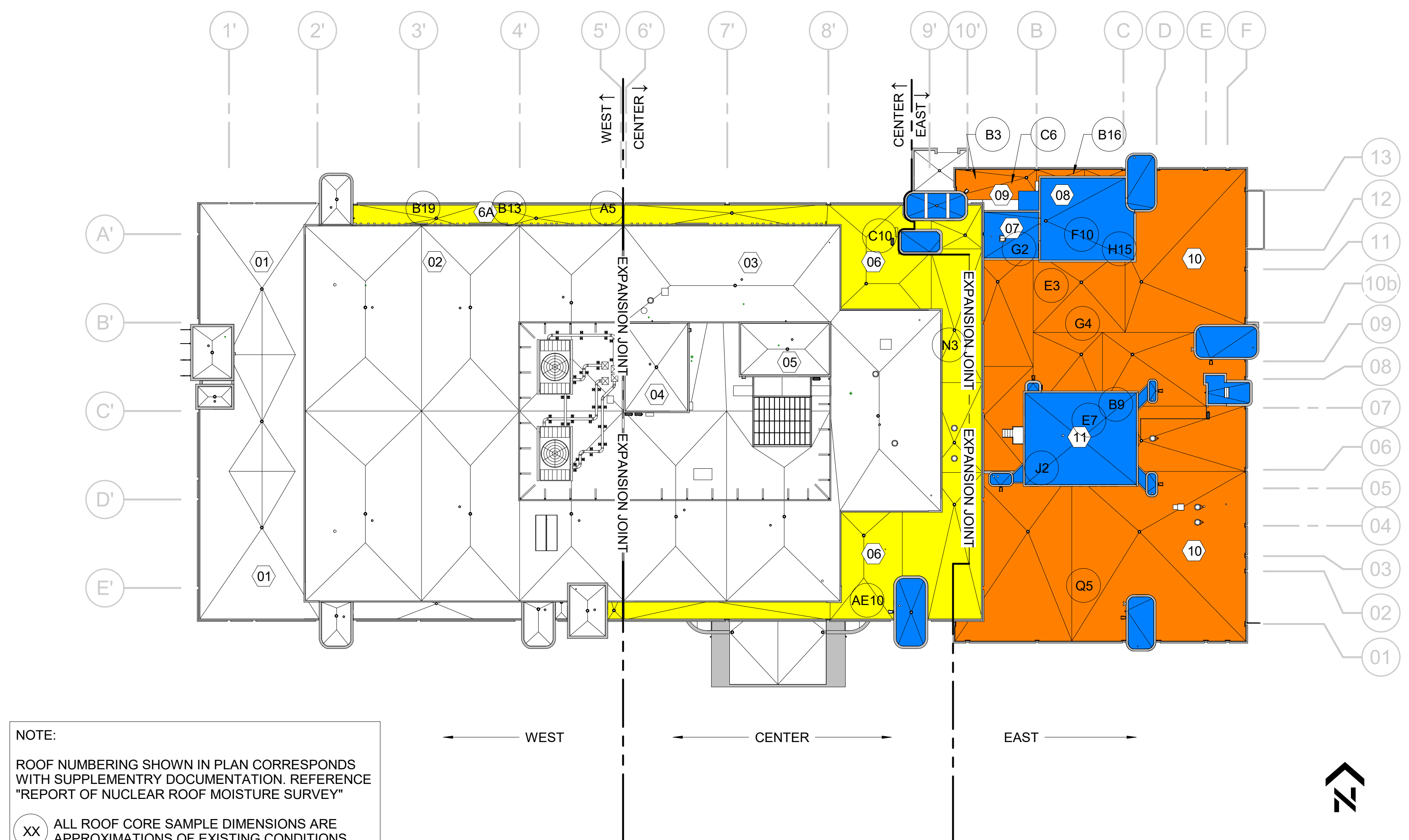
CORE	MATERIAL	%
Q5	0.5" COVER BOARD	9.8%
	2.0" ISO	2.1%
	0.5" EPS FOAM BOARD	8.4%
	6.0" LIGHTWEIGHT CONCRETE	11.4%

CORE	MATERIAL	%
G4	0.5" COVER BOARD	9.6%
	2.0" ISO	4.8%
	0.5" EPS FOAM BOARD	NA
	11.0" LIGHTWEIGHT CONCRETE	56.8%

CORE	MATERIAL	%
E3	0.5" COVER BOARD	18.1%
	2.0" ISO	5.9%
	0.5" EPS FOAM BOARD	NA
	6.5" LIGHTWEIGHT CONCRETE	90.4%

NOTE:
 TABLES INDICATE PERCENT (%) OF MOISTURE BY DRY WEIGHT COLLECTED BY OTHER.
 CORE LOCATIONS LOCATED ON ARCHITECTURAL DEMO PLANS AND CORRELATE WITH SUPPLEMENTAL ROOF ANALYSIS PROVIDED IN SPECIFICATIONS AS "REPORT OF NUCLEAR ROOF MOISTURE SURVEY"
 ALL ROOF CORE SAMPLE DIMENSIONS ARE APPROXIMATIONS OF EXISTING CONDITIONS.

PHASE 02 - PHYSICAL CHARACTERISTICS OF EXISTING CONDITIONS N.T.S 02



NOTE:
 ROOF NUMBERING SHOWN IN PLAN CORRESPONDS WITH SUPPLEMENTARY DOCUMENTATION. REFERENCE "REPORT OF NUCLEAR ROOF MOISTURE SURVEY"
 XX ALL ROOF CORE SAMPLE DIMENSIONS ARE APPROXIMATIONS OF EXISTING CONDITIONS.

PHASE 01 - OVERALL ROOF PLAN 1" = 30'-0" 01

ISSUE
 # DATE DESCRIPTION
 00 2023.07.20 100% Review Documents

ORANGE COUNTY LIBRARY SYSTEM
 DOWNTOWN LIBRARY REROOF
 101 E. Central Ave, Orlando, Florida 32801

PARCEL ID: 12-24-31-0000-00-002



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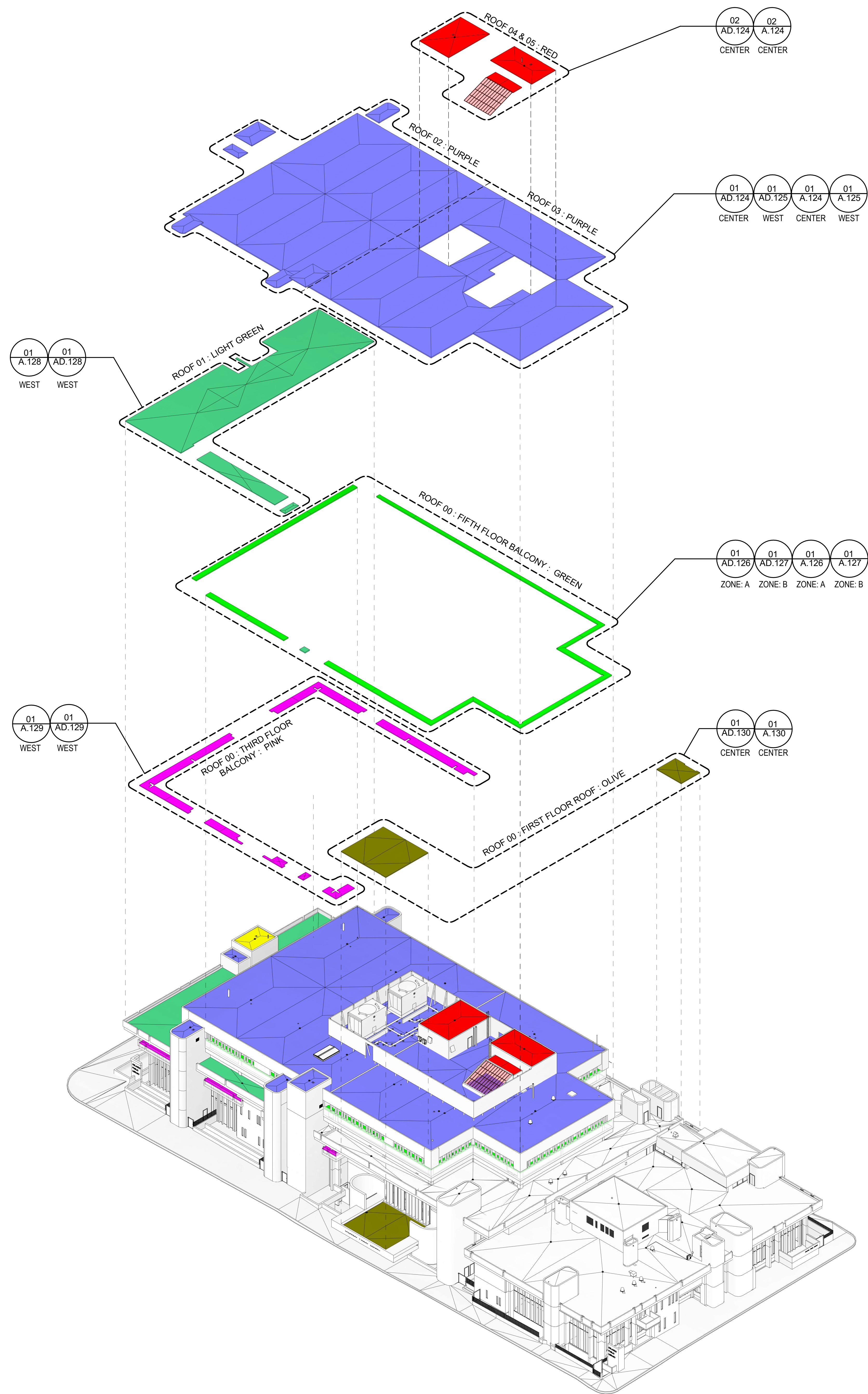
PROJECT # 2215.03
 DATE: 2023.07.20

PHASE 01
 OVERALL ROOF
 PLAN

SHEET NUMBER ISSUE
G.001 100

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
101 E. Central Ave, Orlando, Florida 32801

PARCEL ID: 12-24-31-0000-00-002

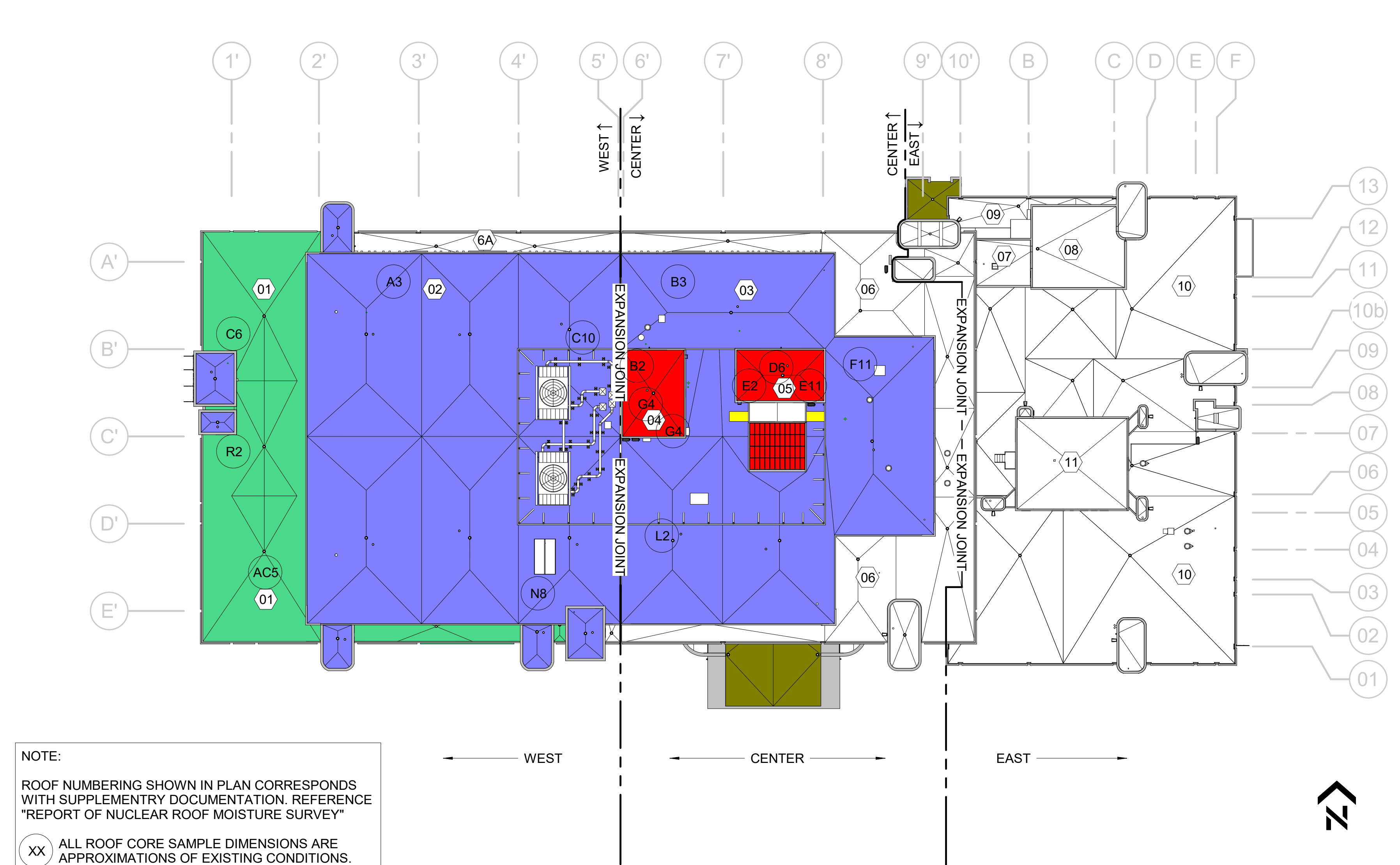


PHASE 02 - AXONOMETRIC DIAGRAM N.T.S. 03

ROOF 01	7,950 SF	ROOF 02	ROOF 03	33,448 SF				
CORE	MATERIAL	%	CORE	MATERIAL	%	CORE	MATERIAL	%
C6	0.5" COVER BOARD	8.5%	N8	0.5" COVER BOARD	3.7%	F11	0.5" COVER BOARD	21.4%
	2.0" ISO	5.6%		2.0" ISO	2.7%		2.0" ISO	3.3%
	0.5" EPS FOAM BOARD	5.1%		0.25" EPS FOAM BOARD	9.3%		0.25" EPS FOAM BOARD	1.5%
	6.5" LIGHTWEIGHT CONCRETE	17.3%		7.75" LIGHTWEIGHT CONCRETE	9.3%		6.5" LIGHTWEIGHT CONCRETE	2.0%
AC5	0.5" COVER BOARD	17.2%	C10	0.5" COVER BOARD	20.7%	L2	0.5" COVER BOARD	18.5%
	2.0" ISO	4.0%		2.0" ISO	7.7%		2.0" ISO	3.7%
	0.5" EPS FOAM BOARD	5.6%		0.5" EPS FOAM BOARD	5.2%		0.25" EPS FOAM BOARD	15.8%
	6.0" LIGHTWEIGHT CONCRETE	5.2%		6.0" LIGHTWEIGHT CONCRETE	7.3%		6.25" LIGHTWEIGHT CONCRETE	28.3%
R2	0.5" COVER BOARD	38.0%	A3	0.5" COVER BOARD	117.8%	B3	0.5" COVER BOARD	117.8%
	2.0" ISO	156.5%		2.0" ISO	222.5%		2.0" ISO	6.5%
	0.5" EPS FOAM BOARD	4.1%		0.5" EPS FOAM BOARD	9.0%		0.5" EPS FOAM BOARD	9.0%
	6.0" LIGHTWEIGHT CONCRETE	13.0%		8.5" LIGHTWEIGHT CONCRETE	12.9%		8.5" LIGHTWEIGHT CONCRETE	12.9%
ROOF 04	ROOF 05	1,735 SF						
J7	0.5" COVER BOARD	NA	G4	0.5" COVER BOARD	NA	E11	0.5" COVER BOARD	NA
	2.0" ISO	NA		2.0" ISO	NA		2.0" ISO	NA
	0.5" EPS FOAM BOARD	NA		0.5" EPS FOAM BOARD	NA		0.25" EPS FOAM BOARD	8.4%
	6.0" LIGHTWEIGHT CONCRETE	NA		3.0" LIGHTWEIGHT CONCRETE	NA		7.5" LIGHTWEIGHT CONCRETE	22.9%
B2	0.5" COVER BOARD	NA	E2	0.5" COVER BOARD	NA	D6	0.5" COVER BOARD	13.7%
	2.0" ISO	NA		2.0" ISO	NA		2.0" ISO	6.5%
	0.5" EPS FOAM BOARD	NA		0.5" EPS FOAM BOARD	NA		0.5" EPS FOAM BOARD	NA
	7.0" LIGHTWEIGHT CONCRETE	NA		7.5" LIGHTWEIGHT CONCRETE	NA		3.0" LIGHTWEIGHT CONCRETE	30.9%

NOTE:
TABLES INDICATE PERCENT (%) OF MOISTURE BY DRY WEIGHT COLLECTED BY OTHER.
CORE LOCATIONS LOCATED ON ARCHITECTURAL DEMO PLANS AND CORRELATE WITH SUPPLEMENTAL ROOF ANALYSIS PROVIDED IN SPECIFICATIONS AS "REPORT OF NUCLEAR ROOF MOISTURE SURVEY"
ALL ROOF CORE SAMPLE DIMENSIONS ARE APPROXIMATIONS OF EXISTING CONDITIONS.

PHASE 02 - PHYSICAL CHARACTERISTICS OF EXISTING CONDITIONS N.T.S. 02



NOTE:
ROOF NUMBERING SHOWN IN PLAN CORRESPONDS WITH SUPPLEMENTARY DOCUMENTATION. REFERENCE "REPORT OF NUCLEAR ROOF MOISTURE SURVEY"
XX ALL ROOF CORE SAMPLE DIMENSIONS ARE APPROXIMATIONS OF EXISTING CONDITIONS.

PHASE 2 - OVERALL ROOF PLAN 1" = 30'-0" 01



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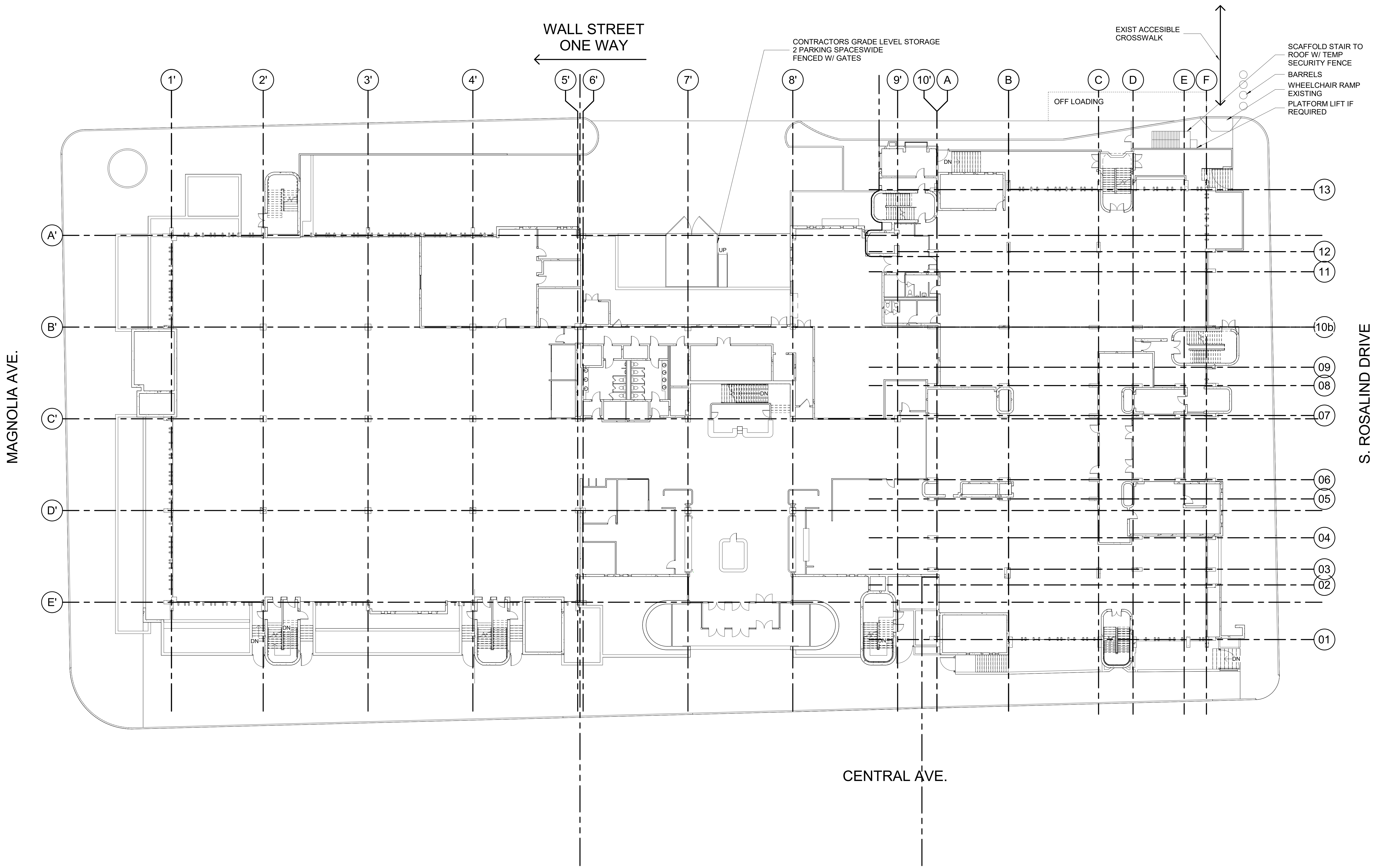
PROJECT # 2215.03
DATE: 2023.07.20

PHASE 02
OVERALL ROOF
PLAN

SHEET NUMBER ISSUE
G.002 100

- GENERAL NOTES**
- EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

ISSUE #	DATE	DESCRIPTION



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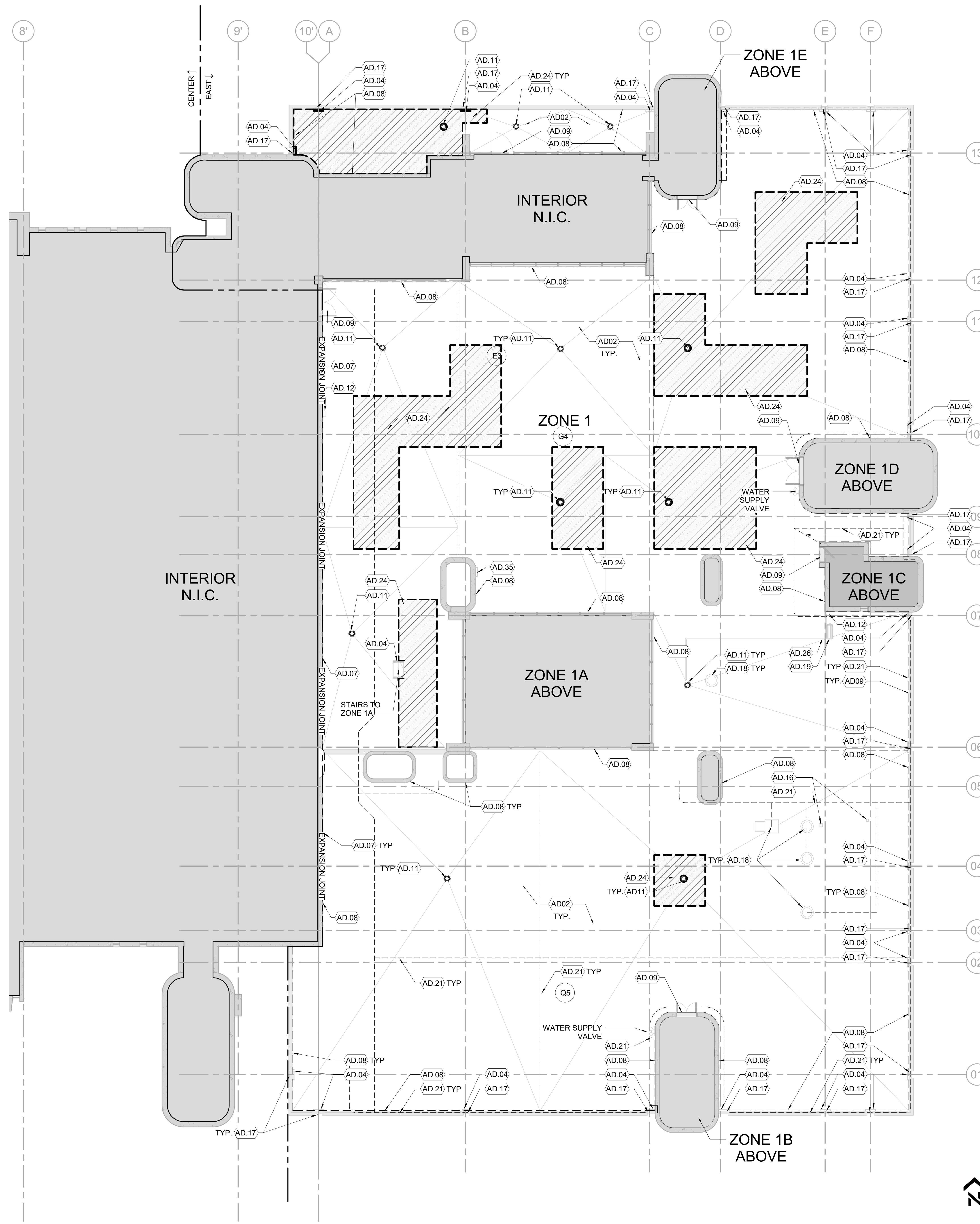
PHASE 01 -
 REROOF
 CONTRACTORS
 ACCESS SITE
 PLAN

0 4' 8' 16'

ACCESS SITE PLAN 1/16" = 1'-0" 01

SHEET NUMBER ISSUE
G.004 100

PARCEL ID: 12-24-31-0000-00-002



GENERAL NOTES		ISSUE
A. EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.		# DATE DESCRIPTION
B. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.		
C. ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.		
D. PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.		
E. CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.		
F. PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.		
G. DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.		
H. PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.		
I. PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS		
DEMOLITION NOTES		
AD01 REMOVE EXISTING MULTI-PLY BITUMINOUS ROOF SYSTEM ALL THE WAY DOWN TO EXISTING STRUCTURAL CONCRETE SLAB		
AD02 EXISTING MULTI-PLY BITUMINOUS ROOF TO BE REMOVED DOWN TO THE EXISTING LIGHTWEIGHT CONCRETE TOPPING		
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AD08 CAREFULLY REMOVE ROOF TO WALL FLASHING, TERMINATION BARS, MASTICS, ETC. PREPARE ROOF & WALL TO RECEIVE NEW ROOFING AND FLASHINGS. ROOFING MANUFACTURER TO INSPECT DECK, WALLS, AND PARAPETS PRIOR TO INSTALLATION OF NEW WORK.		
AD09 EXISTING ACCESS DOORS/HATCH TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.		
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AD29 REMOVE FLASHING FROM EXISTING VENT AND PREPARE SURFACE FOR NEW FLASHING AND COATING.		
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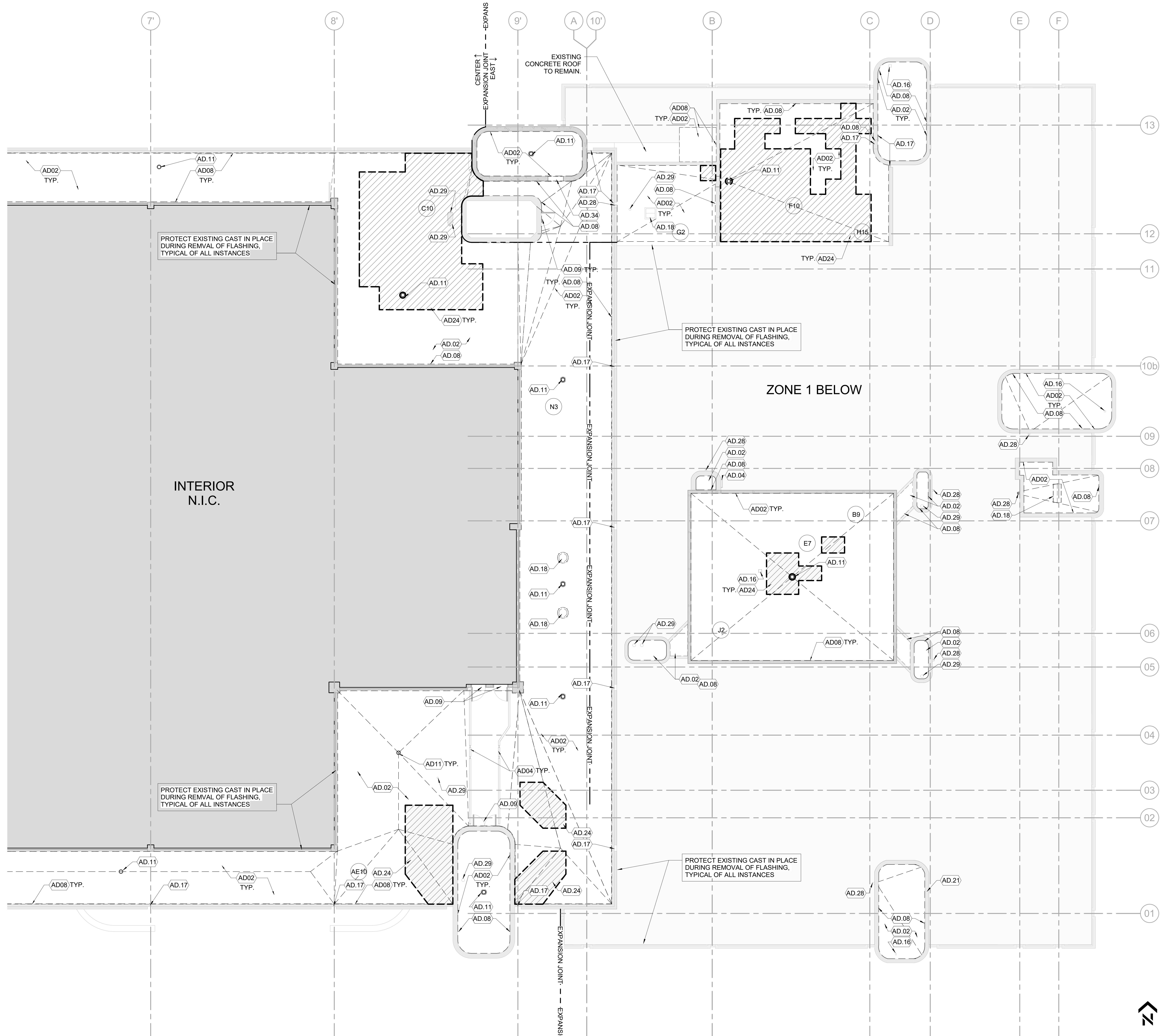
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ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20

DEMOLITION
SECOND FLOOR
ROOF PLAN

SHEET NUMBER ISSUE
AD.121 100



- GENERAL NOTES**
- EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM, TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

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- REMOVE EXISTING MULTI-PLY BITUMINOUS ROOF SYSTEM ALL THE WAY DOWN TO EXISTING STRUCTURAL CONCRETE SLAB
 - EXISTING MULTI-PLY BITUMINOUS ROOF TO BE REMOVED DOWN TO THE EXISTING LIGHTWEIGHT CONCRETE TOPPING
 - CUT METAL, REMOVE SHARP EDGES, AND REMOVE FASCIA, CLEAT, SEALANTS, AND PREPARE SURFACES TO RECEIVE NEW ROOFING & ROOF EDGES. DO NOT INSTALL NEW ROOFING UNTIL ROOF EDGE IS APPROVED BY NEW ROOF CONTRACTOR & WARRANTING INSPECTOR.
 - EXISTING RAIL TO REMAIN. CLEAN AND PREP SURFACE FOR HIGH PERFORMANCE COATING.
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 - REMOVE METAL FLASHINGS AND ASSOCIATED ACCESSORIES FROM EXPANSION JOINTS.
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ISSUE		
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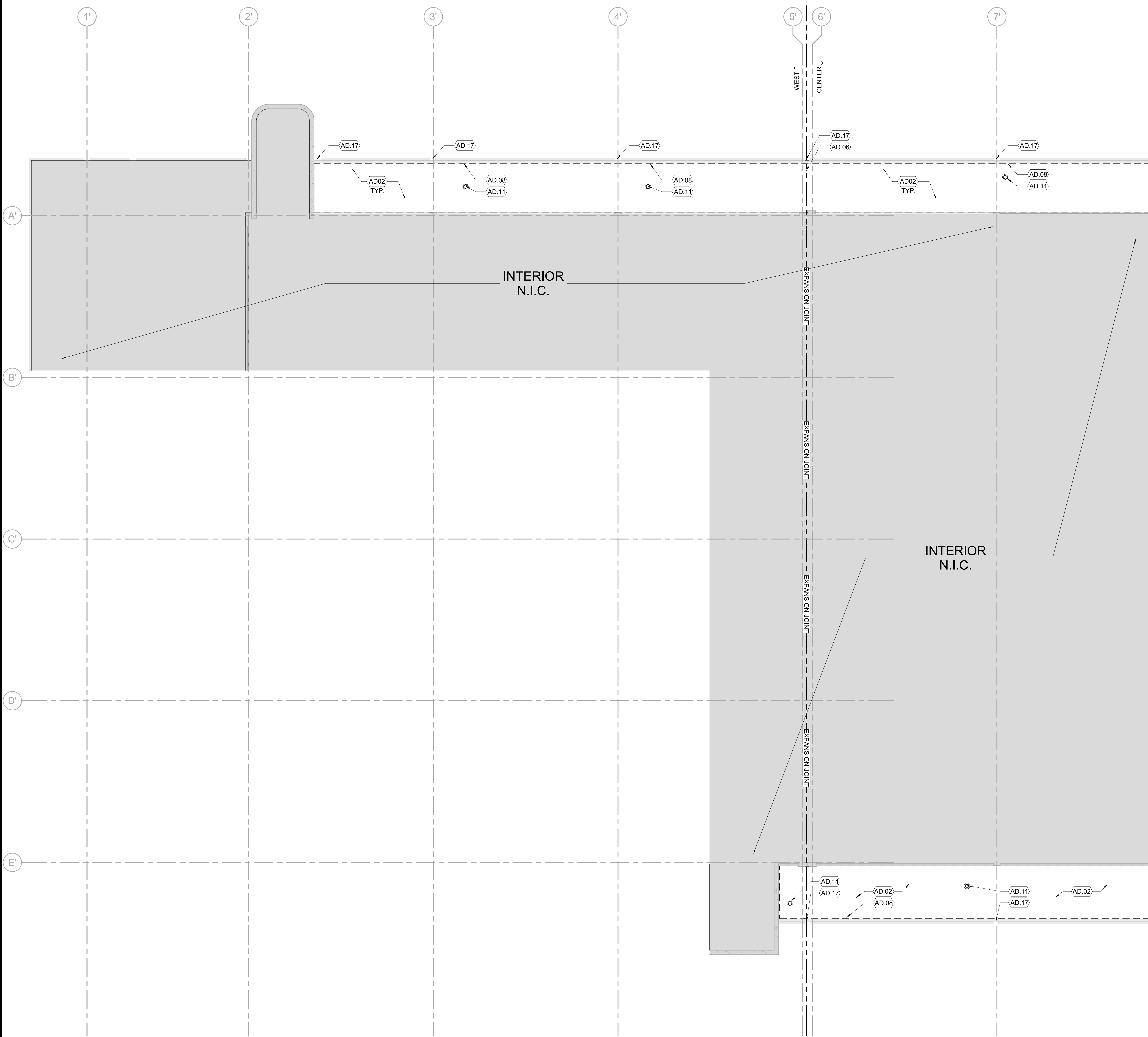
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ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20

**DEMOLITION
THIRD FLOOR
ROOF PLAN**

PARCEL ID: 12-24-31-0000-00-002



- GENERAL NOTES**
- A. EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - B. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - C. ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - D. PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - E. CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - F. PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - G. DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - H. PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - I. PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

- DEMOLITION NOTES**
- AD01 REMOVE EXISTING MULTI-PLY BITUMINOUS ROOF SYSTEM ALL THE WAY DOWN TO EXISTING STRUCTURAL CONCRETE SLAB
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 - AD36 CLEAN EXISTING CONCRETE AND PREPARE FOR NEW SURFACE COATING.

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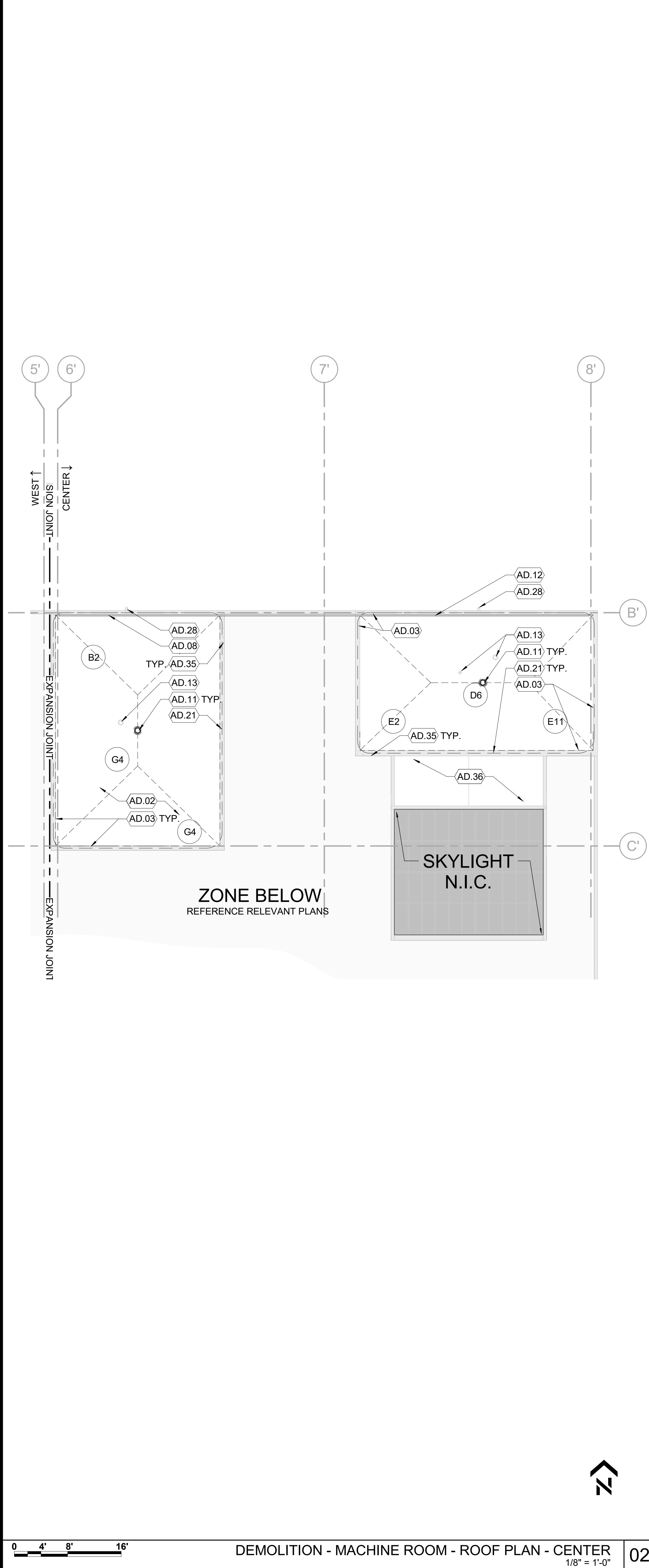
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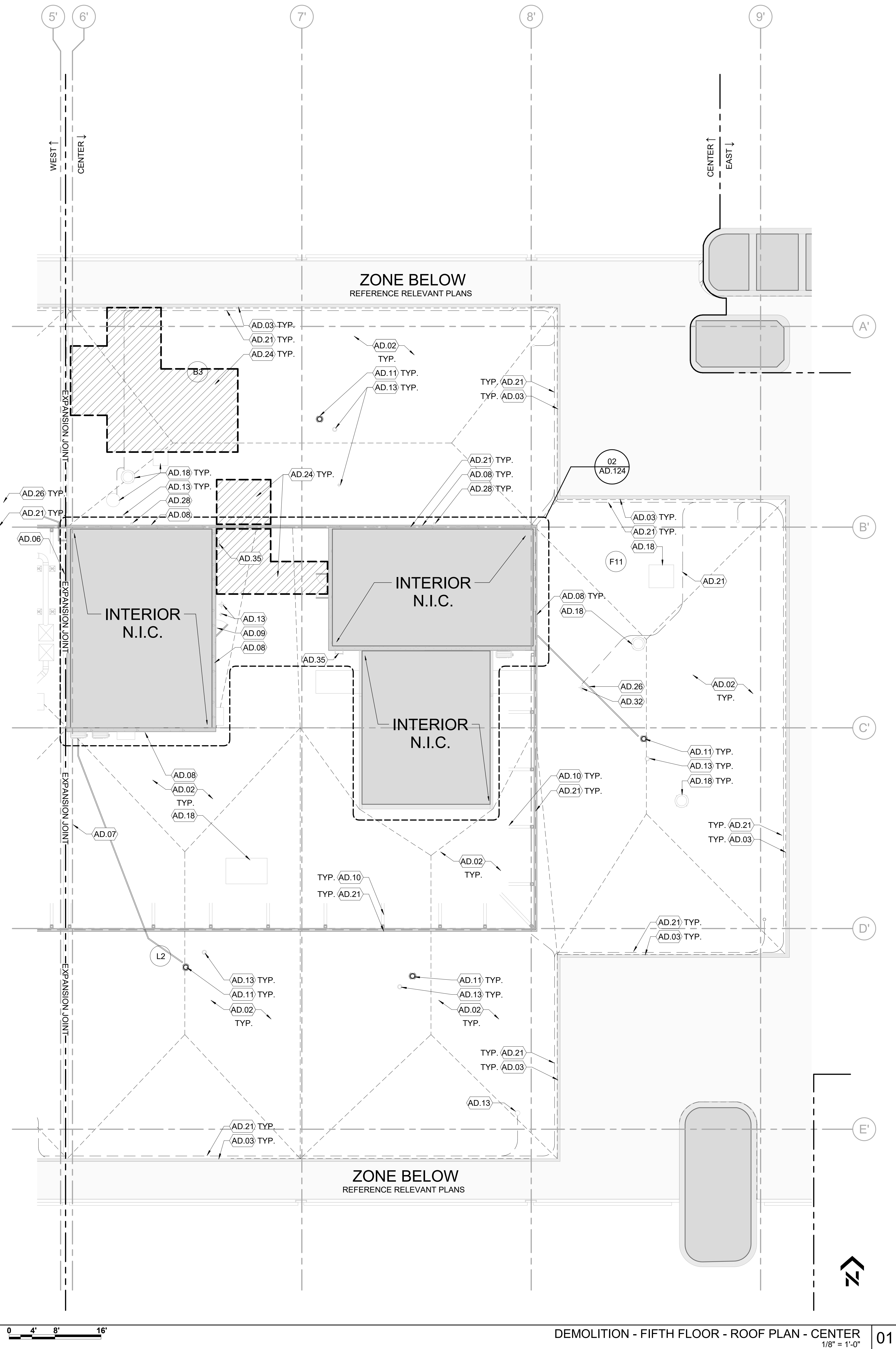
ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20

**DEMOLITION
THIRD FLOOR
ROOF PLAN**

SHEET NUMBER 01
ISSUE **AD.123 100**



DEMOLITION - MACHINE ROOM - ROOF PLAN - CENTER 02
1/8" = 1'-0"



DEMOLITION - FIFTH FLOOR - ROOF PLAN - CENTER 01
1/8" = 1'-0"

GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
A.		EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
B.		THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
D.		PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
E.		CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
F.		PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
G.		DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
H.		PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
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AD30		ROOF WAS NOT ACCESSED FOR TESTING. HAVE ROOFING MANUFACTURER VERIFY INSULATED CONCRETE IS APPROVED FOR NEW ROOFING INSTALLATION.
AD31		EXISTING COATING TO BE PULL TESTED. IF SECURE CLEAN AND PREPARE FOR INSTALLATION OF NEW COATING AS REQUIRED BY MANUFACTURER. IF PULL TEST FAILS CONTACT ARCHITECT FOR FURTHER INSTRUCTION.
AD32		EXISTING HOSE BIB OR STAND PIPE TO REMAIN.
AD33		EXISTING MECHANICAL ROOF SUPPORT. SALVAGE AND REINSTALL AFTER NEW ROOFING INSTALLATION.
AD34		CUT IN EXISTING CONCRETE WALL TO ACCOMMODATE NEW ROOF ACCESS DOOR.
AD35		EXISTING ACCESS LADDER TO REMAIN. PROTECT FROM DAMAGE THROUGHOUT CONSTRUCTION.
AD36		CLEAN EXISTING CONCRETE AND PREPARE FOR NEW SURFACE COATING.
NOTES		
AD.124		100

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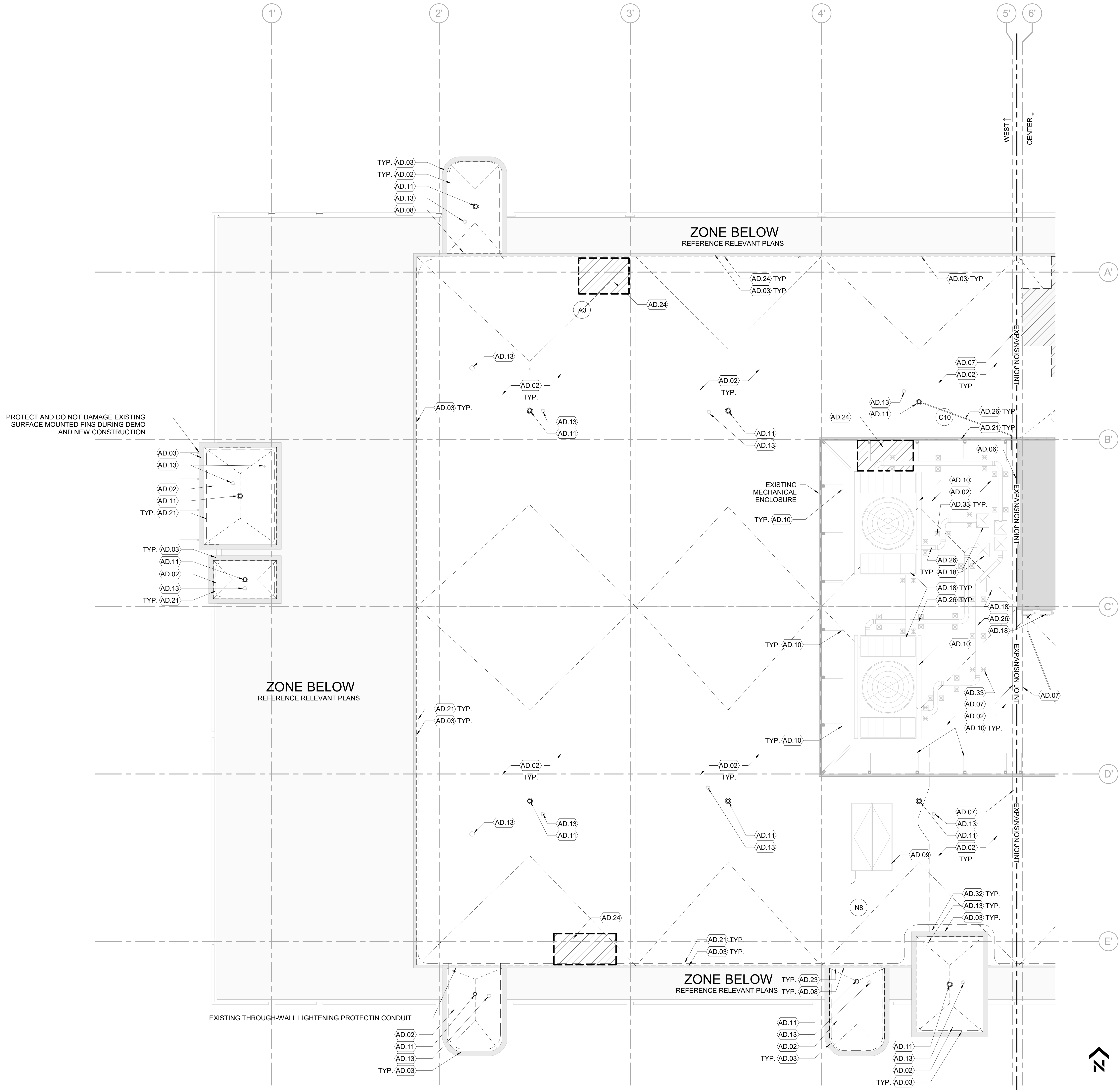
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ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20

DEMOLITION
FIFTH FLOOR
ROOF PLAN

SHEET NUMBER ISSUE
AD.124 100

PARCEL ID: 12-24-31-0000-00-002



- GENERAL NOTES**
- EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
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 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

- DEMOLITION NOTES**
- AD01 REMOVE EXISTING MULTI-PLY BITUMINOUS ROOF SYSTEM ALL THE WAY DOWN TO EXISTING STRUCTURAL CONCRETE SLAB
 - AD02 EXISTING MULTI-PLY BITUMINOUS ROOF TO BE REMOVED DOWN TO THE EXISTING LIGHTWEIGHT CONCRETE TOPPING
 - AD03 CUT METAL, REMOVE SHARP EDGES, AND REMOVE FASCIA, CLEAT, SEALANTS, AND PREPARE SURFACES TO RECEIVE NEW ROOFINGS & ROOF EDGES. DO NOT INSTALL NEW ROOFING UNTIL ROOF EDGE IS APPROVED BY NEW ROOF CONTRACTOR & WARRANTING INSPECTOR.
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 - AD07 REMOVE METAL FLASHINGS AND ASSOCIATED ACCESSORIES FROM EXPANSION JOINTS.
 - AD08 CAREFULLY REMOVE ROOF TO WALL FLASHING, TERMINATION BARS, MASTICS, ETC. PREPARE ROOF & WALL TO RECEIVE NEW ROOFING AND FLASHINGS. ROOFING MANUFACTURER TO INSPECT DECK, WALLS, AND PARAPETS PRIOR TO INSTALLATION OF NEW WORK.
 - AD09 EXISTING ACCESS DOORS/HATCH TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
 - AD10 EXISTING STRUCTURAL SUPPORT. REMOVE EXISTING FLASHING AND PREPARE SUPPORT TO RECEIVE NEW LIQUID FLASHING.
 - AD11 EXISTING ROOF DRAIN TO BE REMOVED AND PREP PIPE FOR INSTALLATION OF NEW DRAIN.
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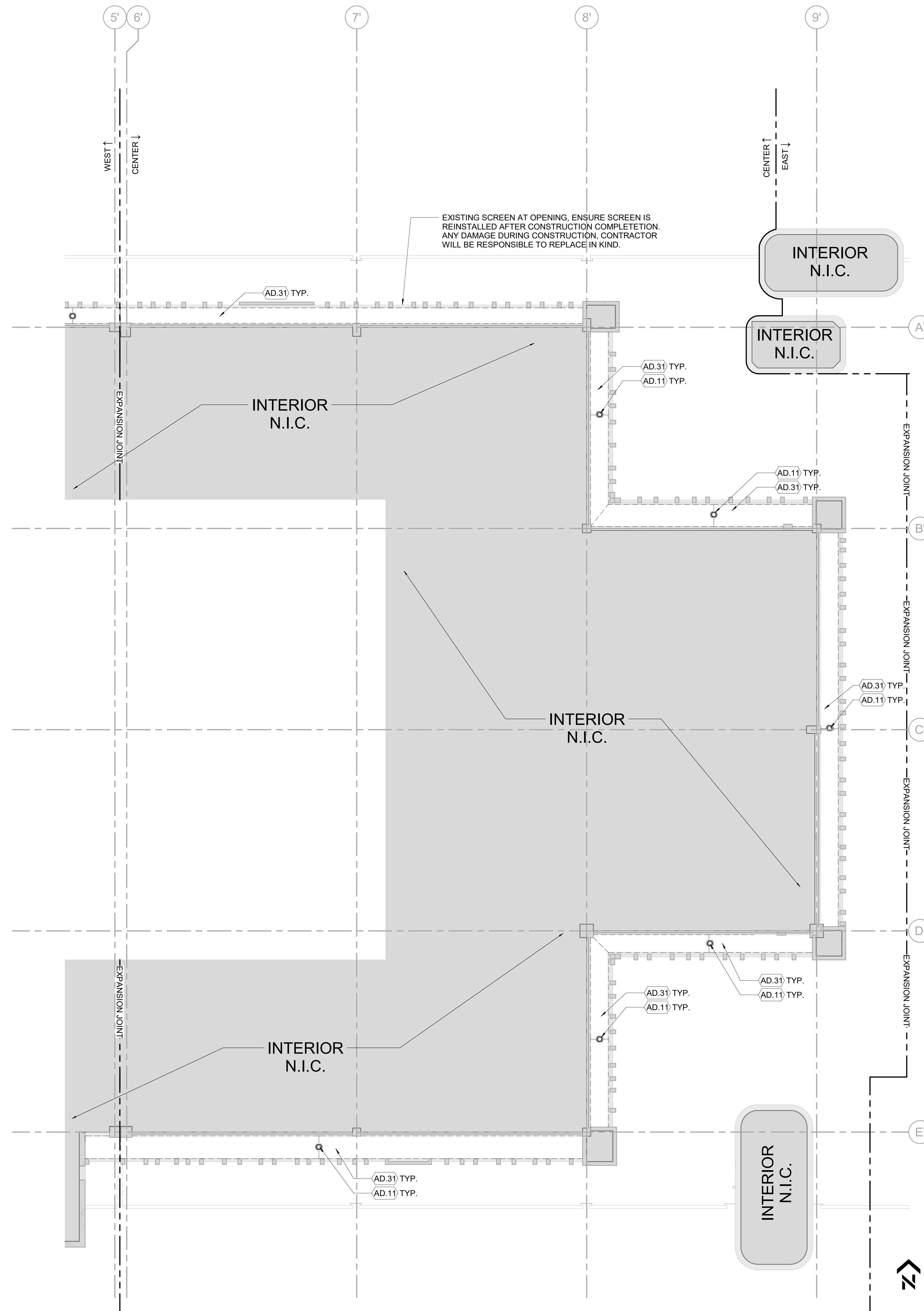
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ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20

**DEMOLITION
FIFTH FLOOR
ROOF PLAN**

SHEET NUMBER **AD.125** ISSUE **100**



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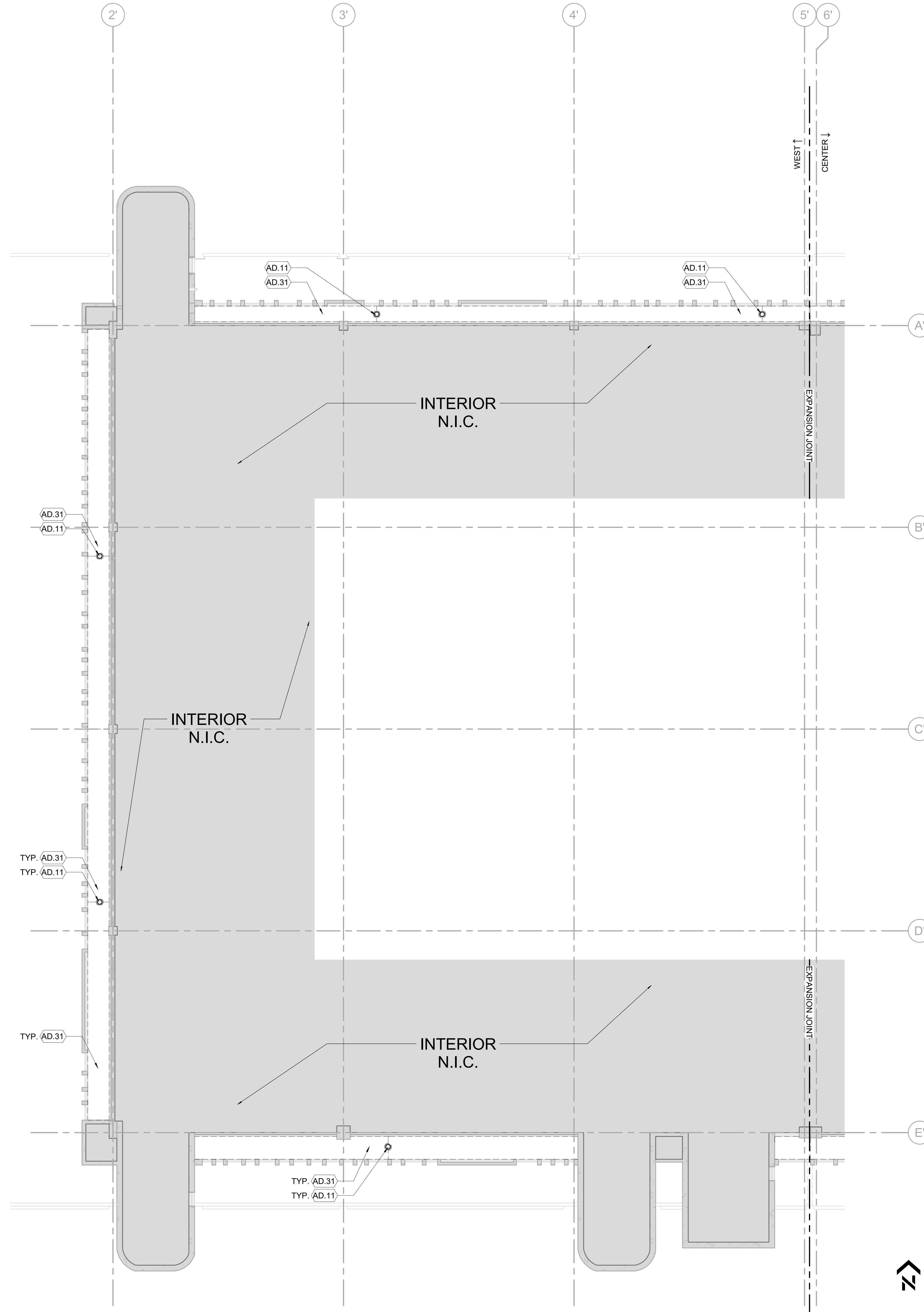
ISSUE		
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ERIC KLEINSTEUBER
 FL LICENSE # AR93580
 PROJECT # 2215.03
 DATE: 2023.07.20

DEMOLITION FIFTH FLOOR BALCONY PLAN



GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
A.		EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
B.		THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
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E.		CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
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H.		PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
I.		PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS
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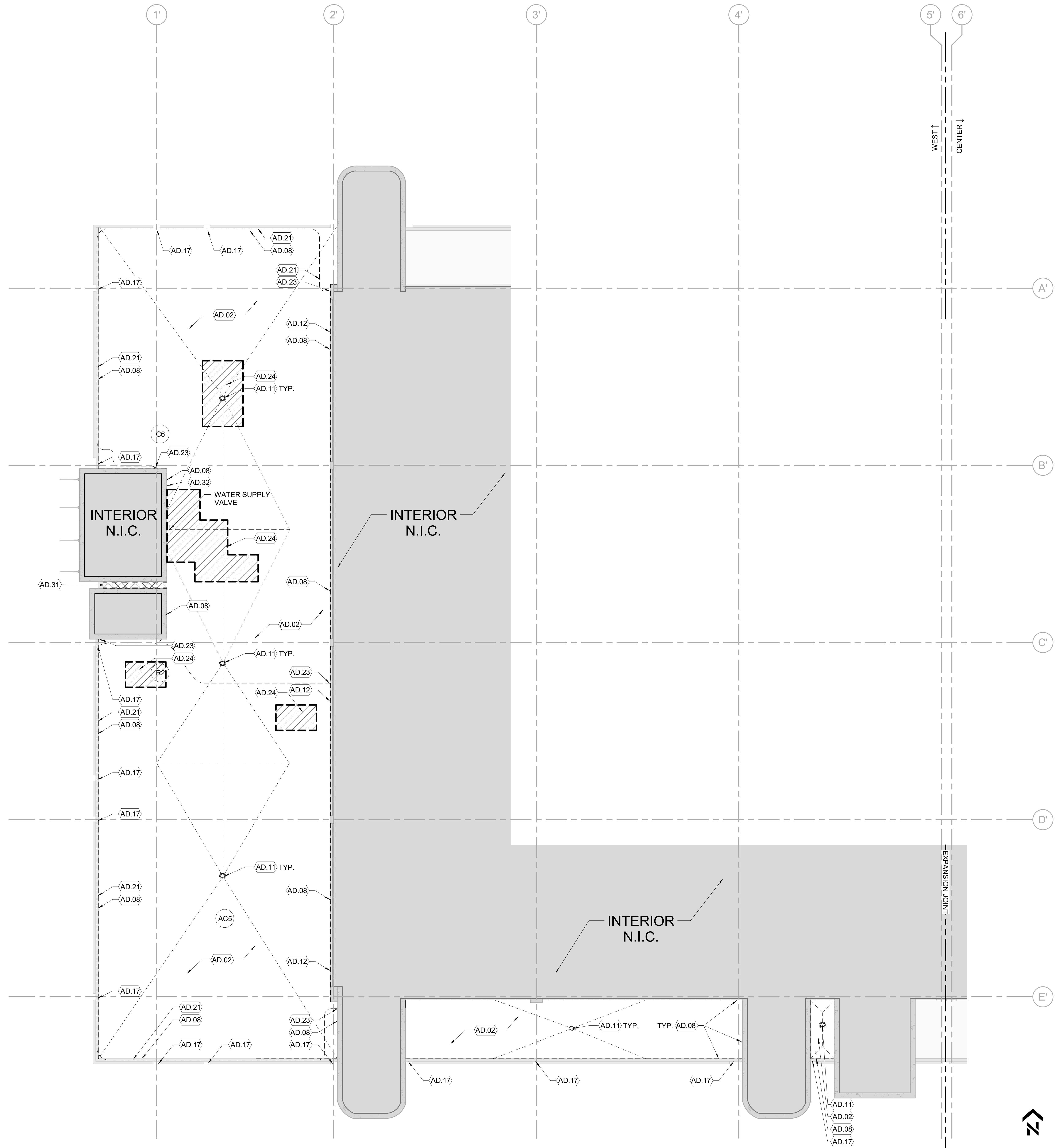
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DEMOLITION
FIFTH FLOOR
BALCONY PLAN

SHEET NUMBER ISSUE
AD.127 100



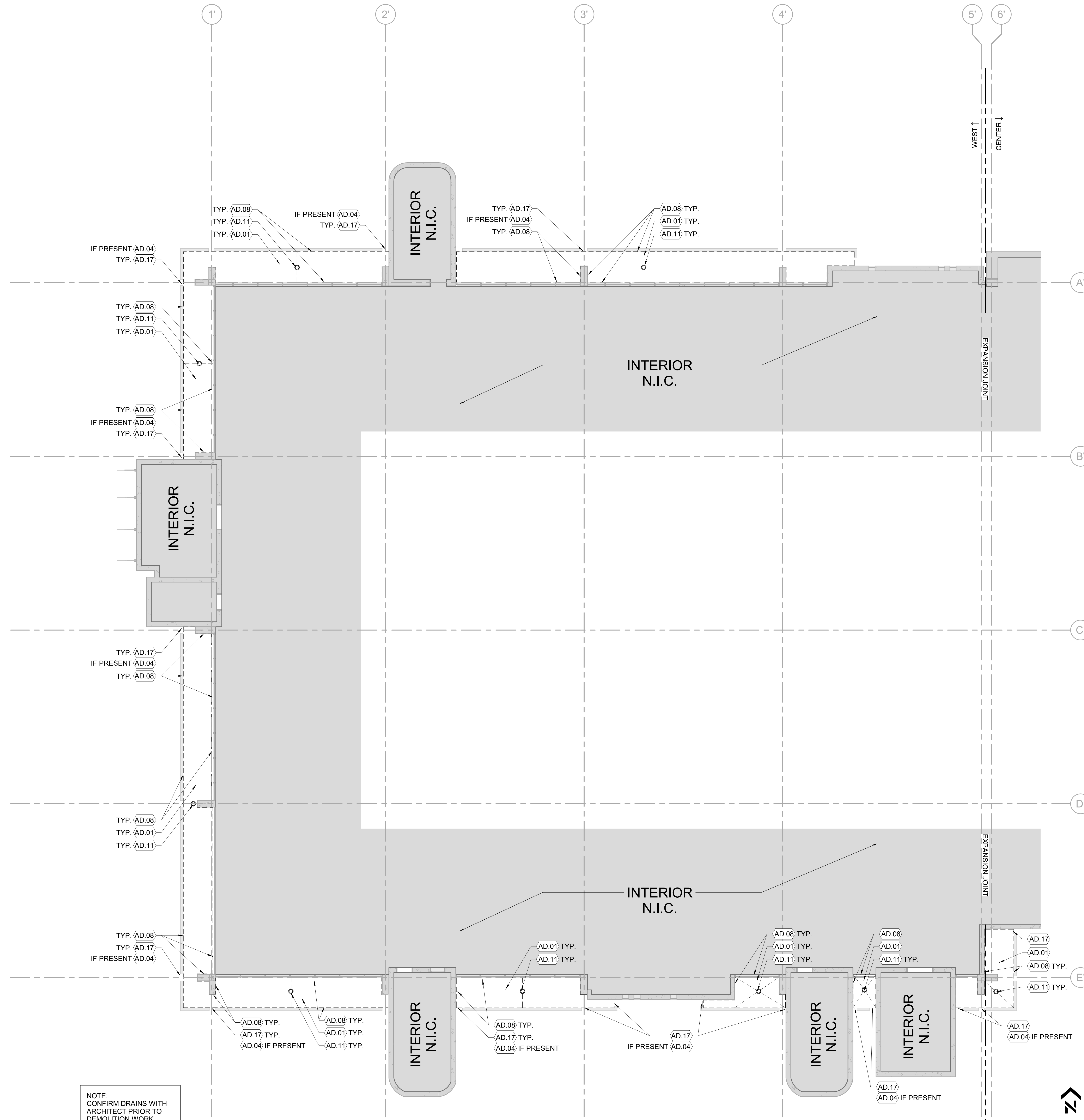
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AD06		REMOVE EXISTING EXPANSION JOINT ASSEMBLY BACK TO BLOCKING TO RECEIVE NEW EXPANSION JOINT.
AD07		REMOVE METAL FLASHINGS AND ASSOCIATED ACCESSORIES FROM EXPANSION JOINTS.
AD08		CAREFULLY REMOVE ROOF TO WALL FLASHING, TERMINATION BARS, MASTICS, ETC. PREPARE ROOF & WALL TO RECEIVE NEW ROOFING AND FLASHINGS. ROOFING MANUFACTURER TO INSPECT DECK, WALLS, AND PARAPETS PRIOR TO INSTALLATION OF NEW WORK.
AD09		EXISTING ACCESS DOORS/HATCH TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
AD10		EXISTING STRUCTURAL SUPPORT. REMOVE EXISTING FLASHING AND PREPARE SUPPORT TO RECEIVE NEW LIQUID FLASHING.
AD11		EXISTING ROOF DRAIN TO BE REMOVED AND PREP PIPE FOR INSTALLATION OF NEW DRAIN.
AD12		ELECTRICAL EQUIPMENT AND/OR CONDUIT. REFERENCE ELECTRICAL DRAWINGS.
AD13		REMOVE ALL FLASHING AT THRU-ROOF PENETRATIONS, VENTS, PIPES, RAIL BALUSTERS, AND PREPARE FOR NEW ROOFING AND FLASHING.
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AD17		EXISTING SCUPPERS AND/ OR OVERFLOW DRAINS. REMOVE FLASHING AS REQUIRED. PREPARE FOR NEW FLASHINGS AND COVERS WHERE APPLICABLE.
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AD19		EQUIPMENT TO BE MOUNTED ON WALL PRIOR TO ROOF DEMOLITION BEGINS
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AD21		EXISTING LIGHTNING PROTECTION AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED.
AD22		LIGHTNING CONDUIT THRU ROOF PREPARE FOR NEW ROOFING. PREPARE PIPE TO RECEIVE NEW FLASHING. CONTRACTOR'S BID SHALL ALLOW FOR ALL.
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AD26		REMOVE EXISTING MECHANICAL PIPING. COORDINATION REINSTALLATION WITH MECHANICAL DRAWINGS.
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AD29		REMOVE FLASHING FROM EXISTING VENT AND PREPARE SURFACE FOR NEW FLASHING AND COATING.
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AD34		CUT IN EXISTING CONCRETE WALL TO ACCOMMODATE NEW ROOF ACCESS DOOR.
AD35		EXISTING ACCESS LADDER TO REMAIN. PROTECT FROM DAMAGE THROUGHOUT CONSTRUCTION.
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ERIC KLEINSTEUBER
 FL LICENSE # AR93580
 PROJECT # 2215.03
 DATE: 2023.07.20

DEMOLITION THIRD FLOOR ROOF PLAN



NOTE:
CONFIRM DRAINS WITH
ARCHITECT PRIOR TO
DEMOLITION WORK.

0 4' 8' 16'

DEMOLITION - THIRD FLOOR - BALCONY PLAN - WEST
1/8" = 1'-0" 01

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 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

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 - AD02 EXISTING MULTI-PLY BITUMINOUS ROOF TO BE REMOVED DOWN TO THE EXISTING LIGHTWEIGHT CONCRETE TOPPING
 - AD03 CUT METAL, REMOVE SHARP EDGES, AND REMOVE FASCIA, CLEAT, SEALANTS, AND PREPARE SURFACES TO RECEIVE NEW ROOFING & ROOF EDGES. DO NOT INSTALL NEW ROOFING UNTIL ROOF EDGE IS APPROVED BY NEW ROOF CONTRACTOR & WARRANTING INSPECTOR.
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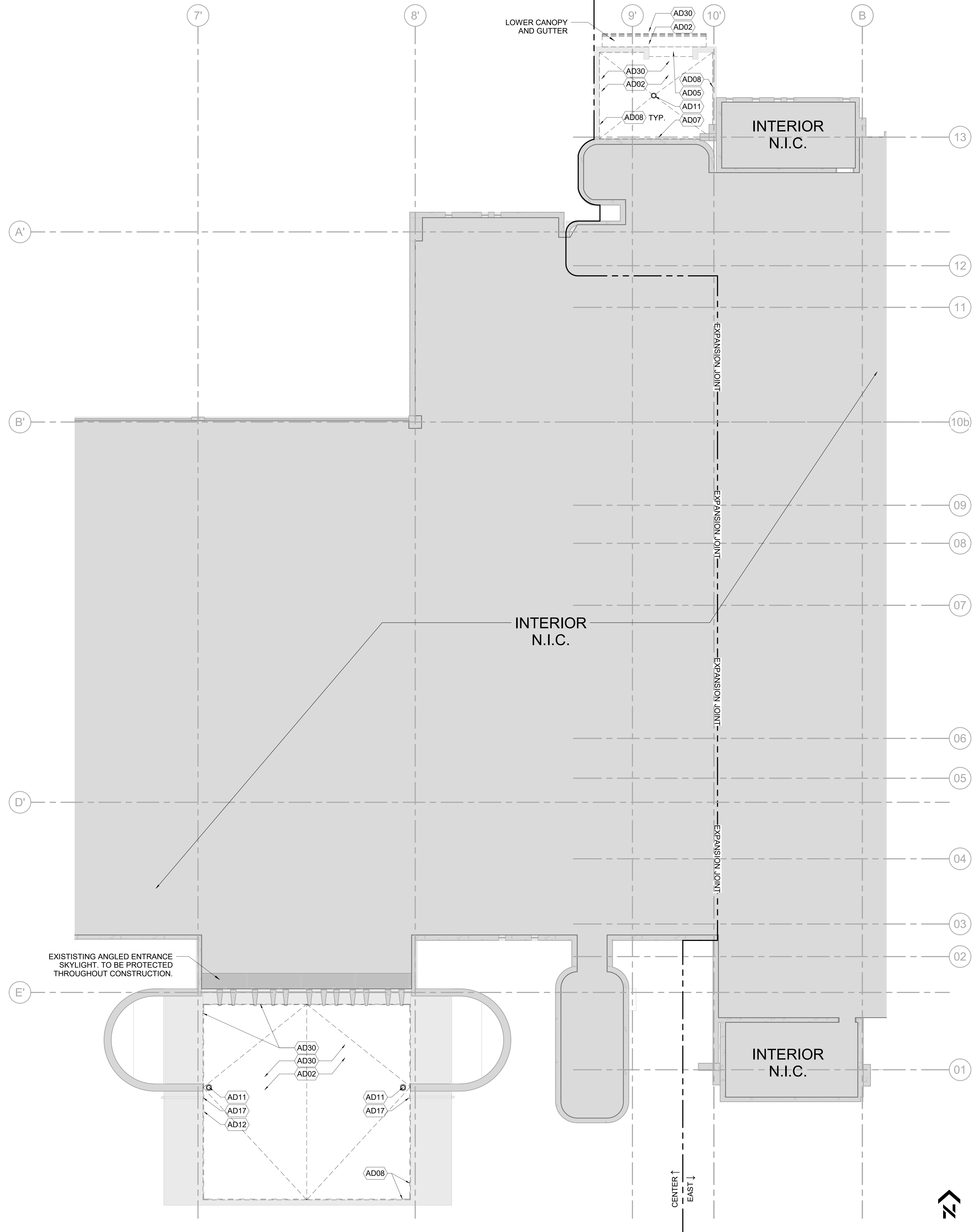
ERIC KLEINSTEUBER
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**DEMOLITION
THIRD FLOOR
ROOF PLAN**

SHEET NUMBER ISSUE
AD.129 100

PARCEL ID: 12-24-31-0000-00-002

NOTES



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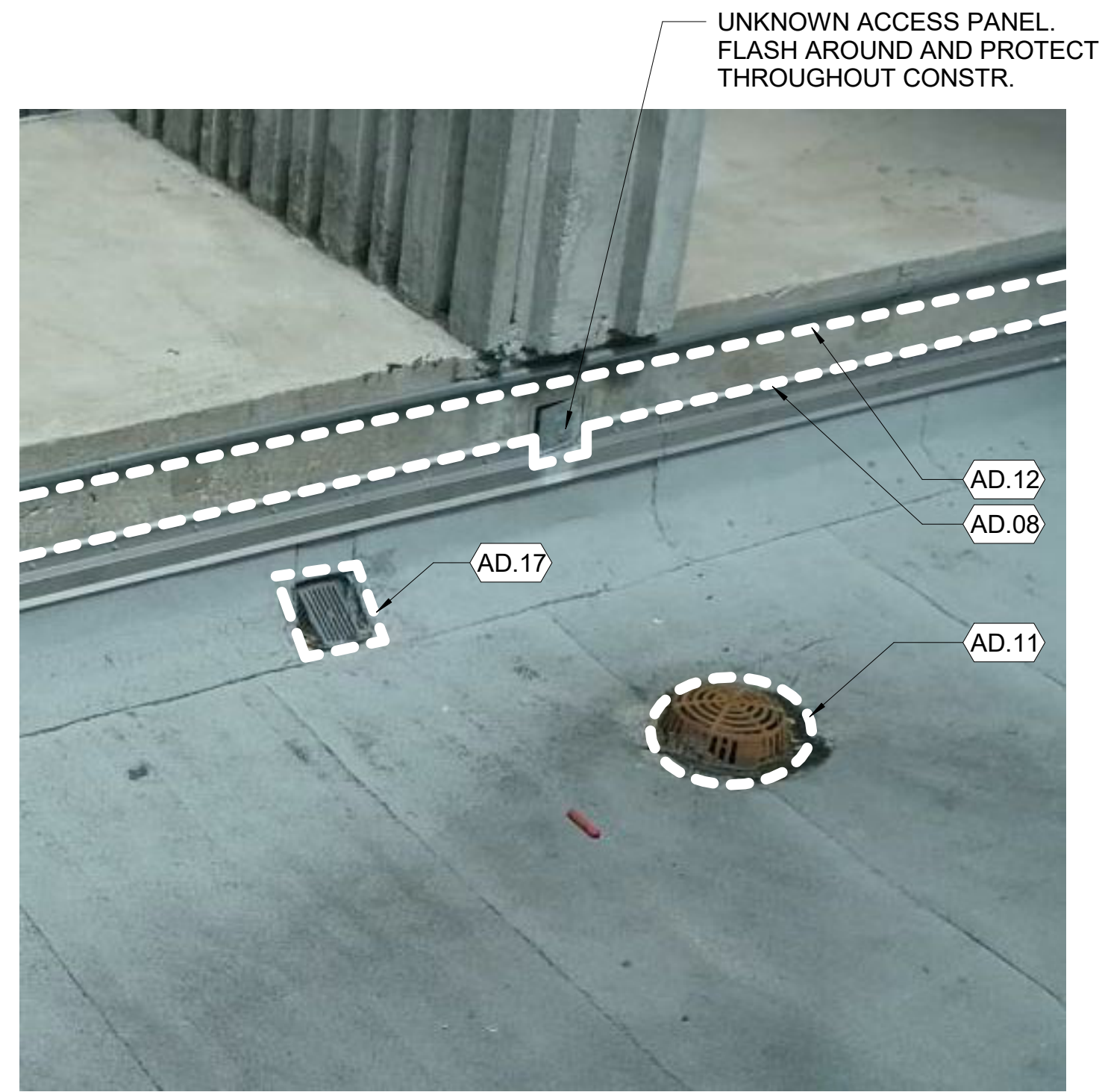
ERIC KLEINSTEUBER
FL LICENSE # AR93580
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**DEMOLITION
FIRST FLOOR
ROOF PLAN**

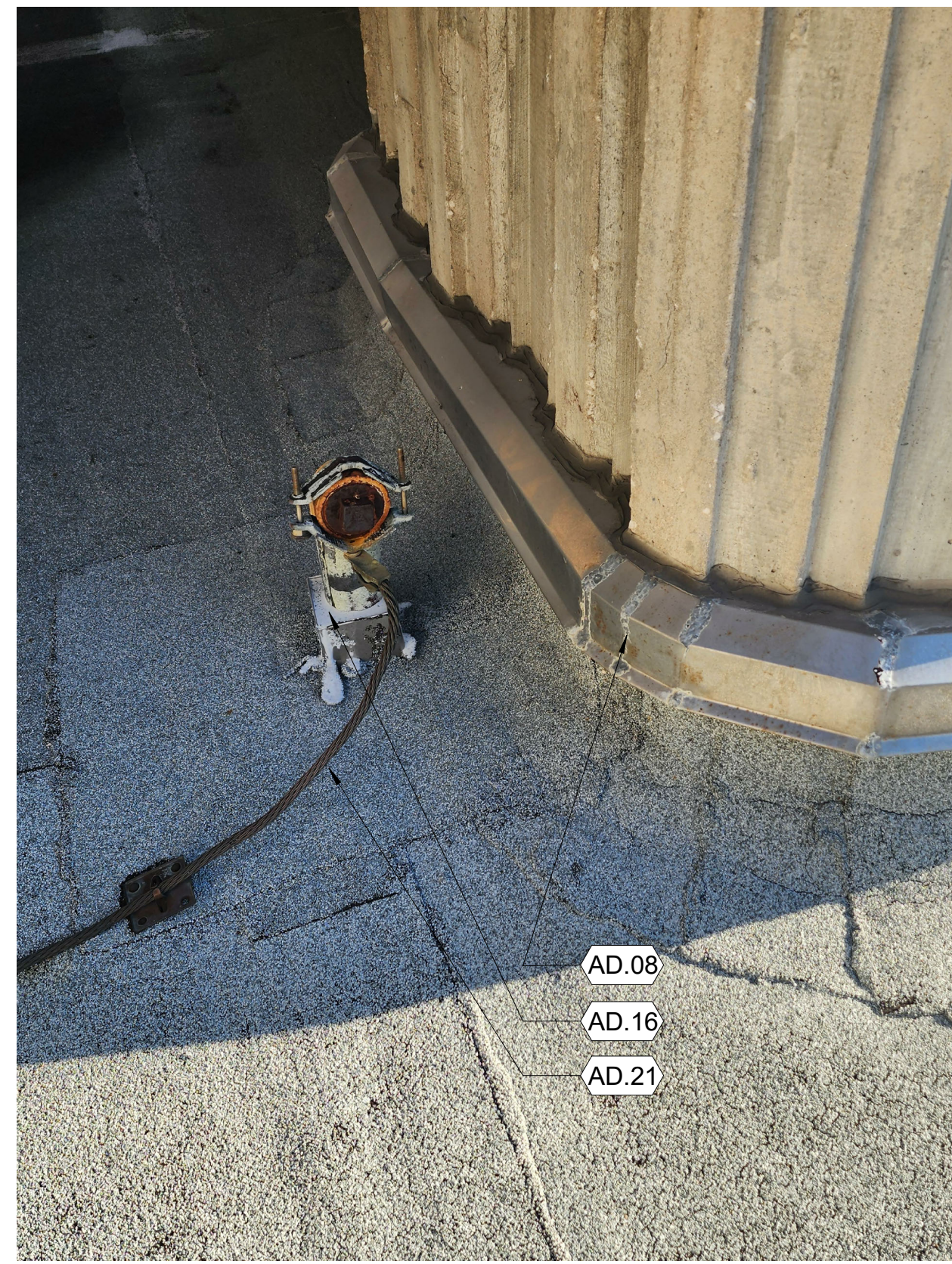
SHEET NUMBER 100
ISSUE **AD.130 100**



PARCEL ID : 12-24-31-0000-00-002



THRU WALL SCUPPER @ CANOPY 12



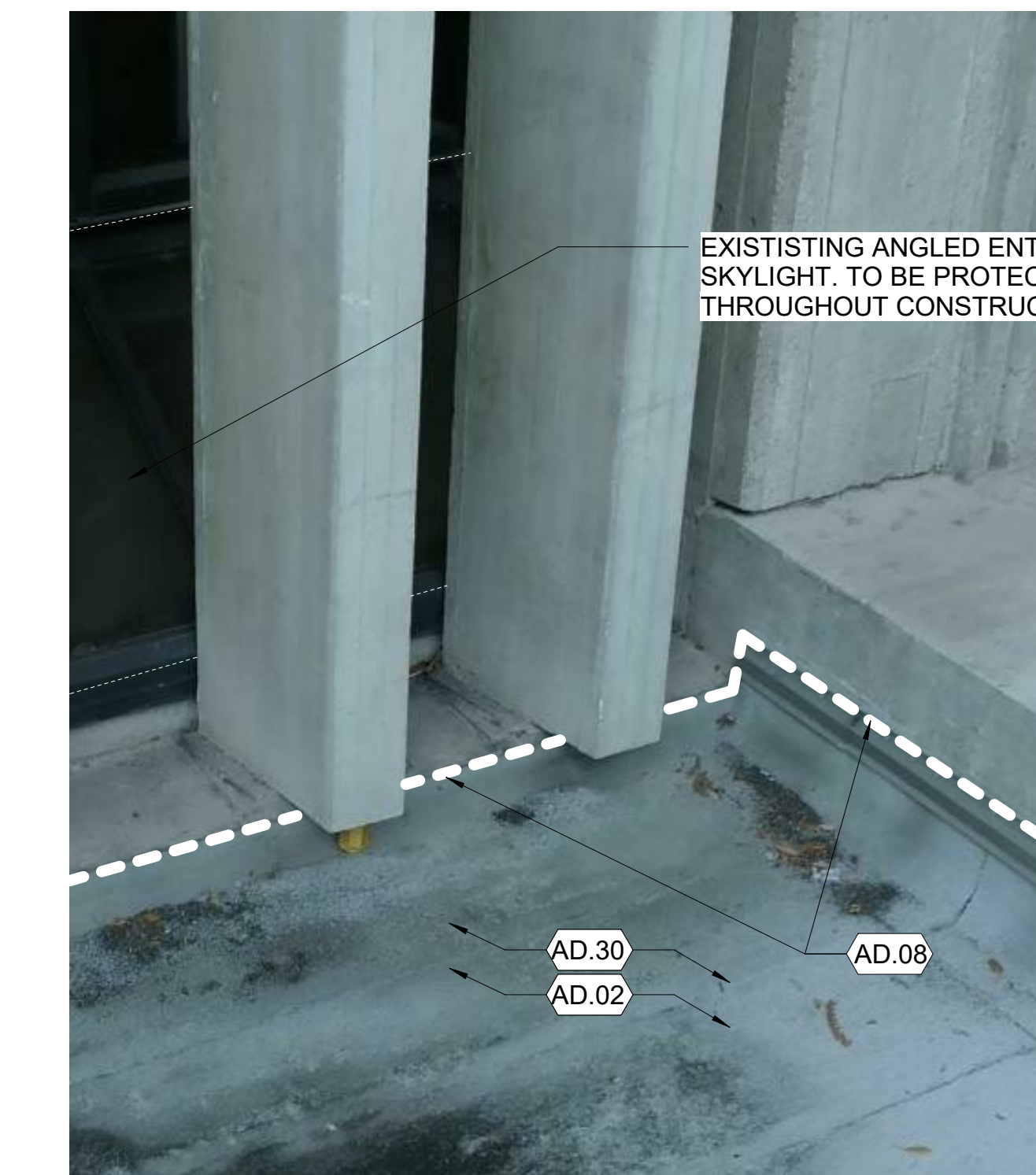
MISC. ELECTRICAL CONDUIT 09



MECHANICAL CURB 06



ROOF STAIRS 03



ENTRANCE ROOF CANOPY 11



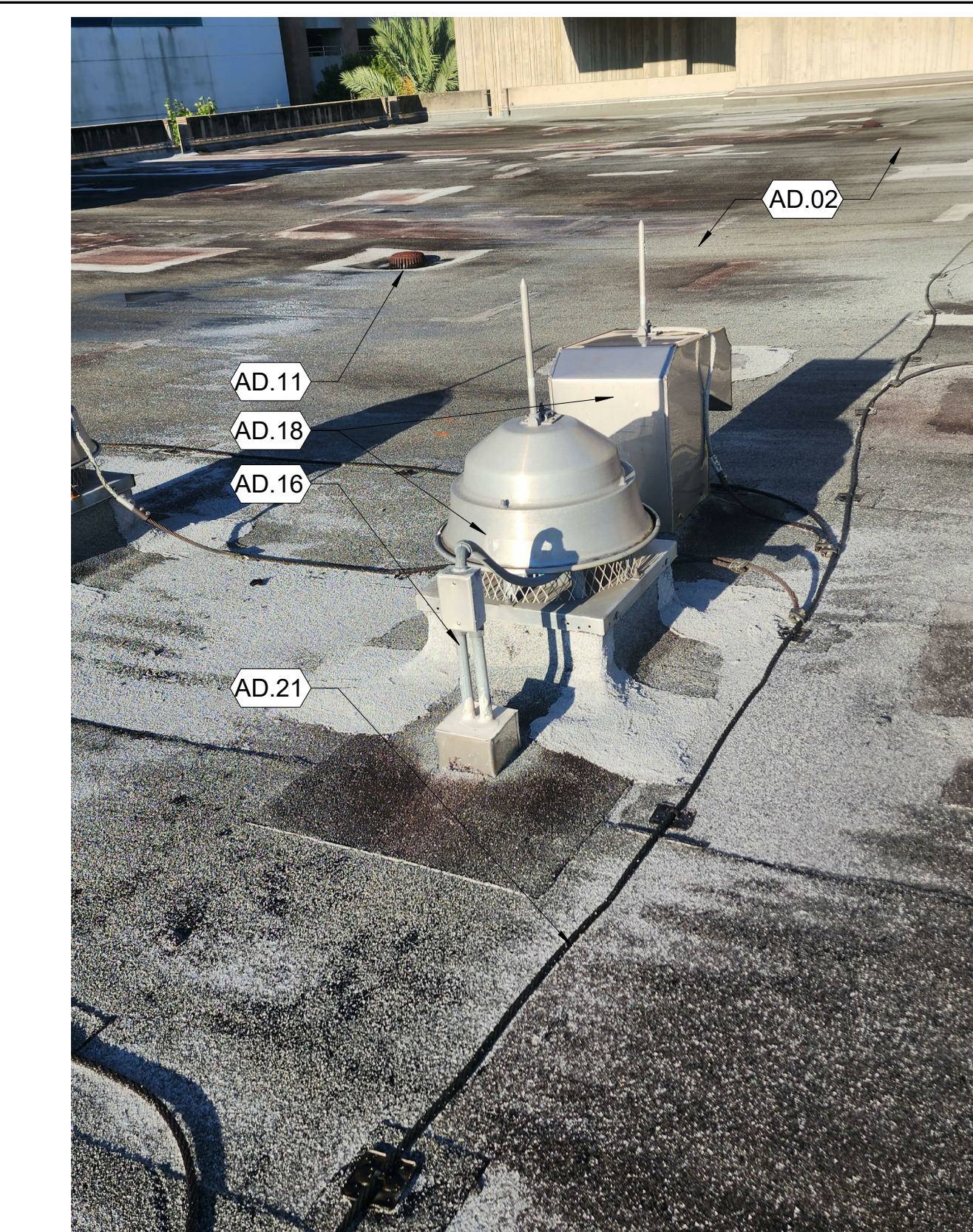
ROOFTOP CONDENSER 08



CURB AND WINDOW SILL 05



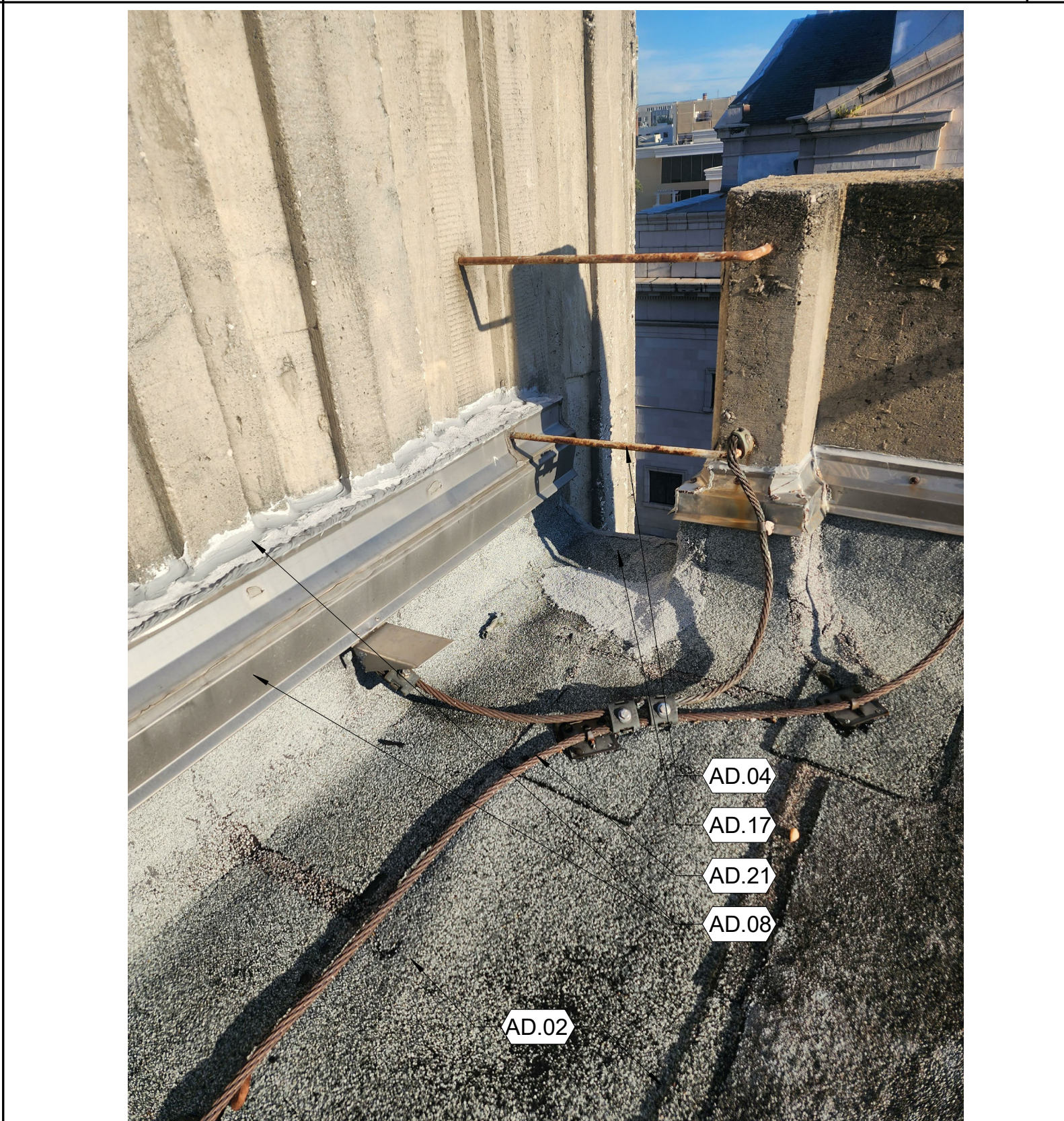
FLASHING AT MECHANICAL DOOR 02



MISC. ROOFTOP EQUIPMENT 10



WINDOW SILL AND FLASHING 07



WALL OPENING 04



ROOF DRAIN 01

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 - AD25 REMOVE EXISTING GUTTER AND DOWNSPOUT.
 - AD26 REMOVE EXISTING MECHANICAL PIPING. COORDINATION REINSTALLATION WITH MECHANICAL DRAWINGS.
 - AD27 EXISTING PIPE RAILS TO REMAIN
 - AD28 EXISTING SCUPPER TO REMAIN. THOROUGHLY CLEAN METAL AND PREPARE FOR NEW ROOFING INSTALLATION. CONTRACTOR TO SUBMIT PHOTOS TO OWNER AND ARCHITECT FOR EXISTING CONDITIONS CONFIRMATION.
 - AD29 REMOVE FLASHING FROM EXISTING VENT AND PREPARE SURFACE FOR NEW FLASHING AND COATING.
 - AD30 ROOF WAS NOT ACCESSED FOR TESTING. HAVE ROOFING MANUFACTURER VERIFY INSULATED CONCRETE IS APPROVED FOR NEW ROOFING INSTALLATION.
 - AD31 EXISTING COATING TO BE PULL TESTED. IF SECURE CLEAN AND PREPARE FOR INSTALLATION OF NEW COATING AS REQUIRED BY MANUFACTURER. IF PULL TEST FAILS CONTACT ARCHITECT FOR FURTHER INSTRUCTION.
 - AD32 EXISTING HOSE BIB OR STAND PIPE TO REMAIN.
 - AD33 EXISTING MECHANICAL ROOF SUPPORT. SALVAGE AND REINSTALL AFTER NEW ROOFING INSTALLATION.
 - AD34 CUT IN EXISTING CONCRETE WALL TO ACCOMMODATE NEW ROOF ACCESS DOOR.
 - AD35 EXISTING ACCESS LADDER TO REMAIN. PROTECT FROM DAMAGE THROUGHOUT CONSTRUCTION.
 - AD36 CLEAN EXISTING CONCRETE AND PREPARE FOR NEW SURFACE COATING.

- NOTES**
- AD.350

#	DATE	DESCRIPTION

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
101 E. Central Ave, Orlando, Florida 32801

KMF
ARCHITECTS

839 N MAGNOLIA AVE
ORLANDO, FL 32803
#AR93580

KMFARCHITECTS.COM
407.298.1988

ERIC KLEINSTEUBER
FL LICENSE # AR93580

PROJECT # 2215.03
DATE: 2023.07.20

FIRST AND
SECOND FLOOR
ROOF PHOTOS

SHEET NUMBER ISSUE
AD.350 100

PARCEL ID : 12-24-31-0000-00-002



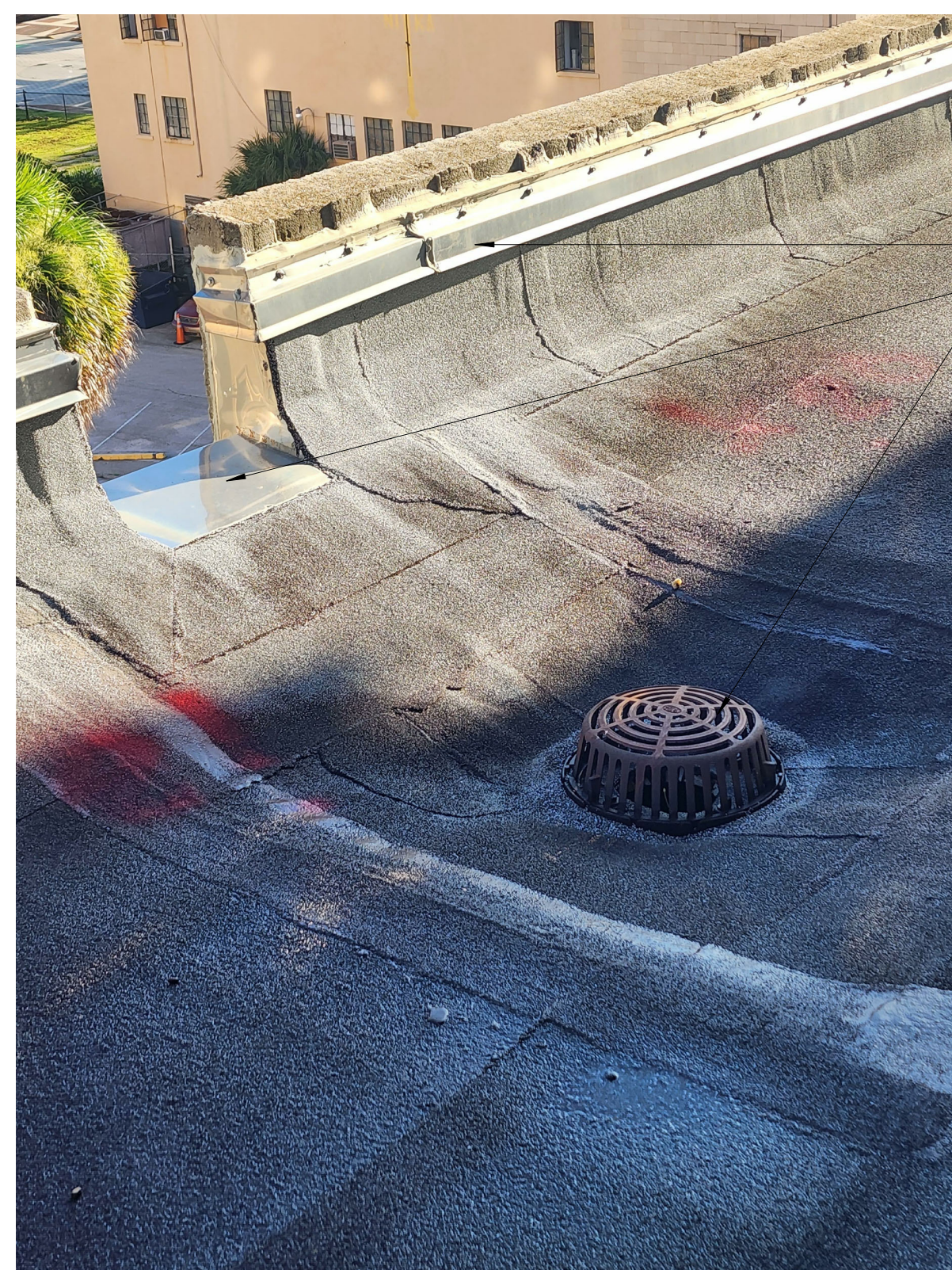
FIFTH FLOOR BALCONY 9



SCUPPER ENTRANCE 06



MAIN BUILDING EXIT WITH ACCESS WALKWAY 03



ROOF DRAIN AND OVERFLOW SCUPPER 08



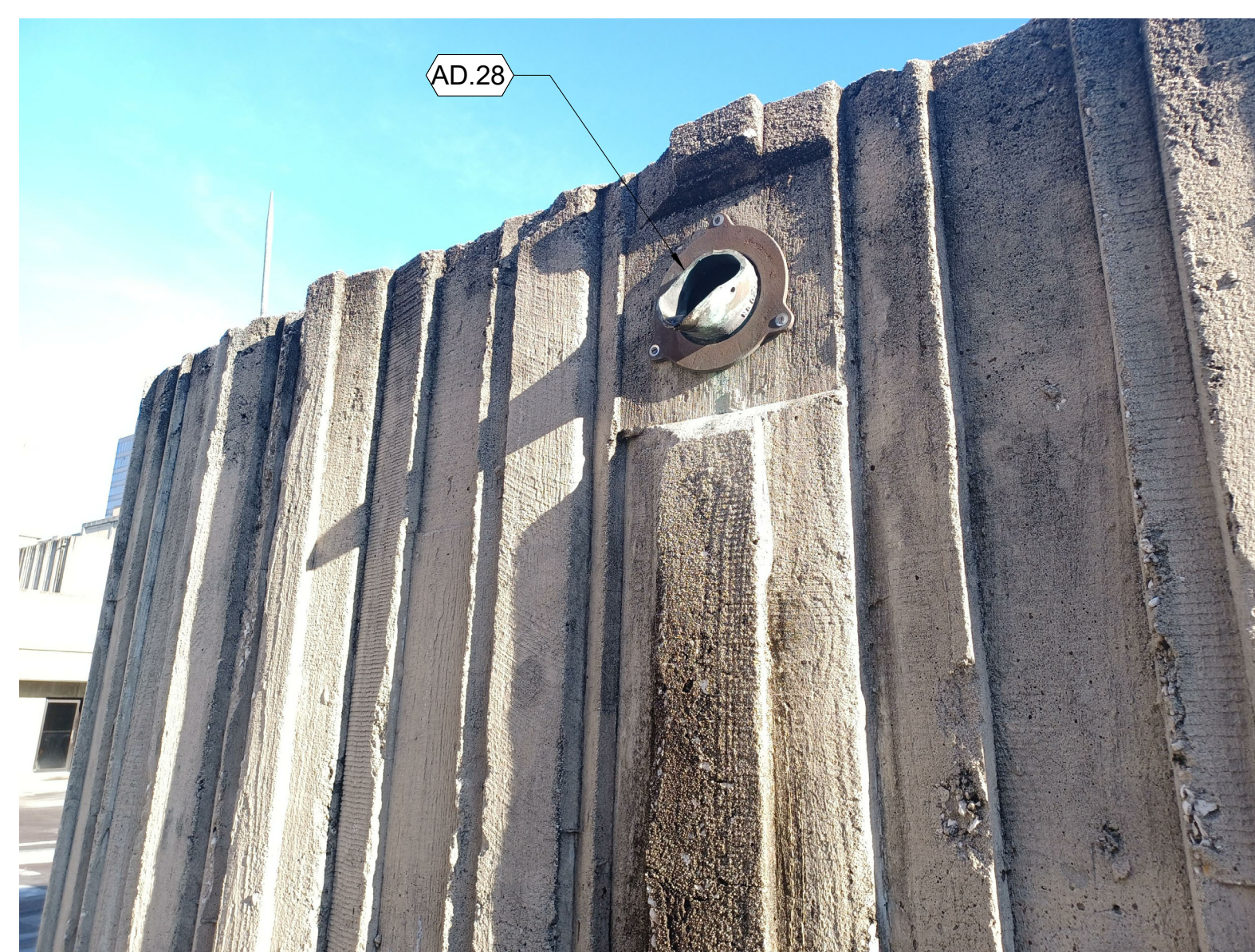
ROOF BASIN WITH SCUPPER ENTRANCE 05



WALKWAY GATE 02



NOT USED 10



ROOF SCUPPER 04



ROOF ACCESS WALKWAY 01

- GENERAL NOTES**
- EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS

- DEMOLITION NOTES**
- REMOVE EXISTING MULTI-PLY BITUMINOUS ROOF SYSTEM ALL THE WAY DOWN TO EXISTING STRUCTURAL CONCRETE SLAB
 - EXISTING MULTI-PLY BITUMINOUS ROOF TO BE REMOVED DOWN TO THE EXISTING LIGHTWEIGHT CONCRETE TOPPING
 - CUT METAL, REMOVE SHARP EDGES, AND REMOVE FASCIA, CLEAT, SEALANTS, AND PREPARE SURFACES TO RECEIVE NEW ROOFING & ROOF EDGES. DO NOT INSTALL NEW ROOFING UNTIL ROOF EDGE IS APPROVED BY NEW ROOF CONTRACTOR & WARRANTING INSPECTOR.
 - EXISTING RAIL TO REMAIN. CLEAN AND PREP SURFACE FOR HIGH PERFORMANCE COATING.
 - REMOVE EXISTING COPING, CLEATS, ETC. PREPARE EDGE TO RECEIVE NEW COPING.
 - REMOVE EXISTING EXPANSION JOINT ASSEMBLY BACK TO BLOCKING TO RECEIVE NEW EXPANSION JOINT.
 - REMOVE METAL FLASHINGS AND ASSOCIATED ACCESSORIES FROM EXPANSION JOINTS.
 - CAREFULLY REMOVE ROOF TO WALL FLASHING, TERMINATION BARS, MASTICS, ETC. PREPARE ROOF & WALL TO RECEIVE NEW ROOFING AND FLASHINGS. ROOFING MANUFACTURER TO INSPECT DECK, WALLS, AND PARAPETS PRIOR TO INSTALLATION OF NEW WORK.
 - EXISTING ACCESS DOORS/HATCH TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
 - EXISTING STRUCTURAL SUPPORT. REMOVE EXISTING FLASHING AND PREPARE SUPPORT TO RECEIVE NEW LIQUID FLASHING.
 - EXISTING ROOF DRAIN TO BE REMOVED AND PREP PIPE FOR INSTALLATION OF NEW DRAIN.
 - ELECTRICAL EQUIPMENT AND/OR CONDUIT. REFERENCE ELECTRICAL DRAWINGS.
 - REMOVE ALL FLASHING AT THRU-ROOF PENETRATIONS, VENTS, PIPES, RAIL BALUSTERS, AND PREPARE FOR NEW ROOFING AND FLASHING.
 - REMOVE EXISTING GUTTER AND ATTACHMENTS. PREPARE ROOF TO RECEIVE NEW GUTTER AND FLASHINGS.
 - EXISTING LOW WALL CONDENSER SUPPORTS. REMOVE EXISTING CAPS, FLASHINGS, AND PREPARE FOR NEW ROOFING, FLASHING, AND COPINGS/CAPS.
 - REMOVE/ REPLACE ELECTRICAL CONDUIT PITCH POCKET. LOCATE ALL ELECTRICAL PANELS, DISCONNECTS, ETC. TO BE ABOVE 8" BASE FLASHING.
 - EXISTING SCUPPERS AND/ OR OVERFLOW DRAINS. REMOVE FLASHING AS REQUIRED. PREPARE FOR NEW FLASHINGS AND COVERS WHERE APPLICABLE.
 - EXISTING EQUIPMENT/CAP TO REMAIN. INSTALL ROOFING AND FLASHINGS AROUND EXISTING CURB PER DRAWINGS IF POSSIBLE. IF FLASHING PER DRAWINGS IS NOT POSSIBLE WITH EQUIPMENT IN PLACE EXISTING EQUIPMENT TO BE TEMPORARILY REMOVED. ANY DAMAGED EQUIPMENT TO BE REPLACED BY CONTRACTOR. REINSTALL EQUIPMENT UPON ROOFING COMPLETION.
 - EQUIPMENT TO BE MOUNTED ON WALL PRIOR TO ROOF DEMOLITION BEGINS
 - REMOVE EXISTING FLAT ROOF TO ROOF EXPANSION JOINT.
 - EXISTING LIGHTNING PROTECTION AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED.
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NOTES

ISSUE	#	DATE	DESCRIPTION

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
 101 E. Central Ave, Orlando, Florida 32801

KMF
ARCHITECTS

839 N MAGNOLIA AVE
 ORLANDO, FL 32803
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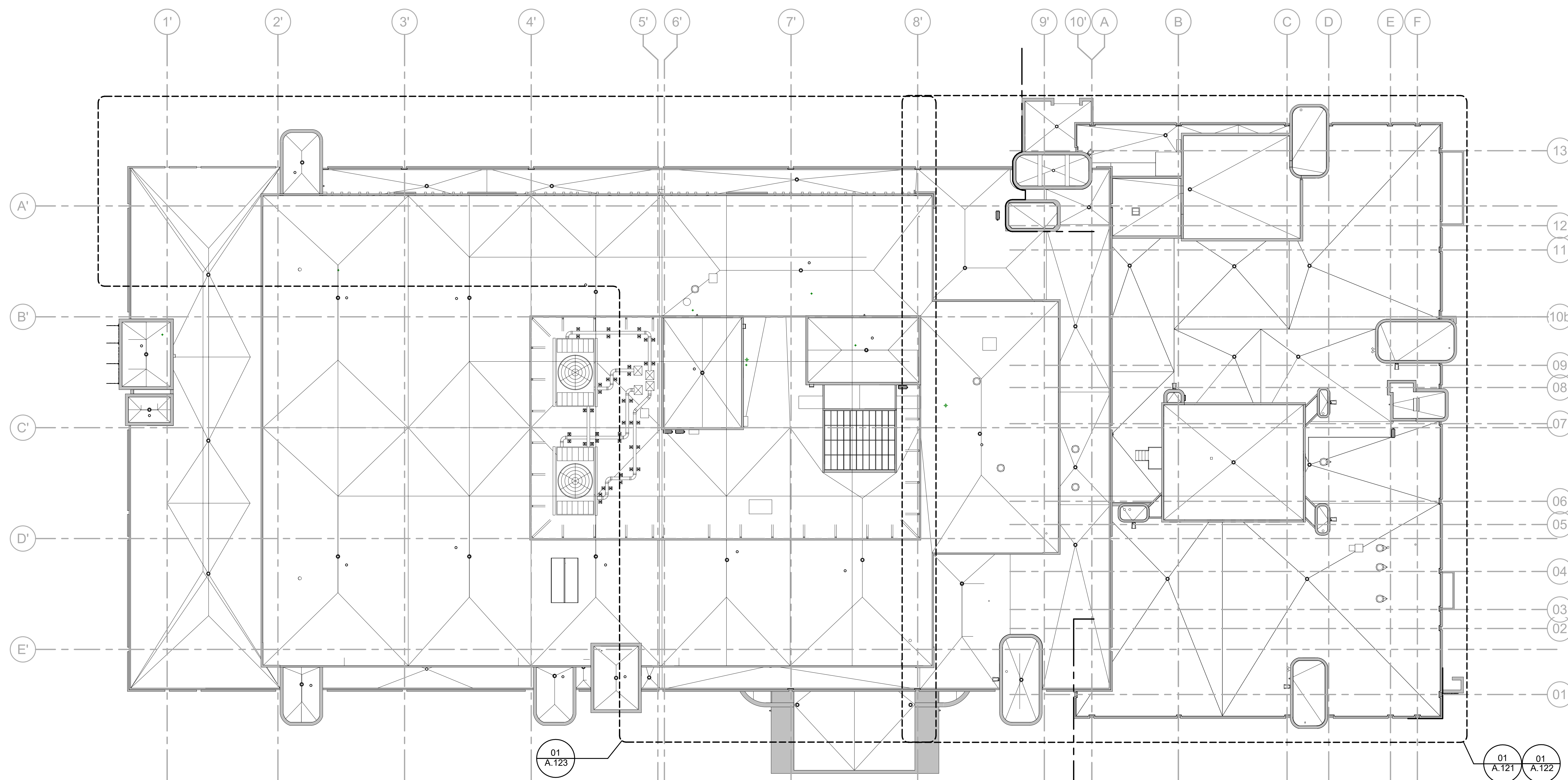
ERIC KLEINSTEUBER
 FL LICENSE # AR93580

PROJECT # 2215.03
 DATE: 2023.06.26

THIRD, FOURTH &
 FIFTH FLOOR
 ROOF PHOTOS

SHEET NUMBER ISSUE
AD.351 100

PARCEL ID : 12-24-31-0000-00-002



0 8' 16' 32'

OVERALL ROOF PLAN 1/16" = 1'-0" 01

ISSUE # DATE DESCRIPTION

ORANGE COUNTY LIBRARY SYSTEM
 DOWNTOWN LIBRARY REROOF
 101 E. Central Ave, Orlando, Florida 32801

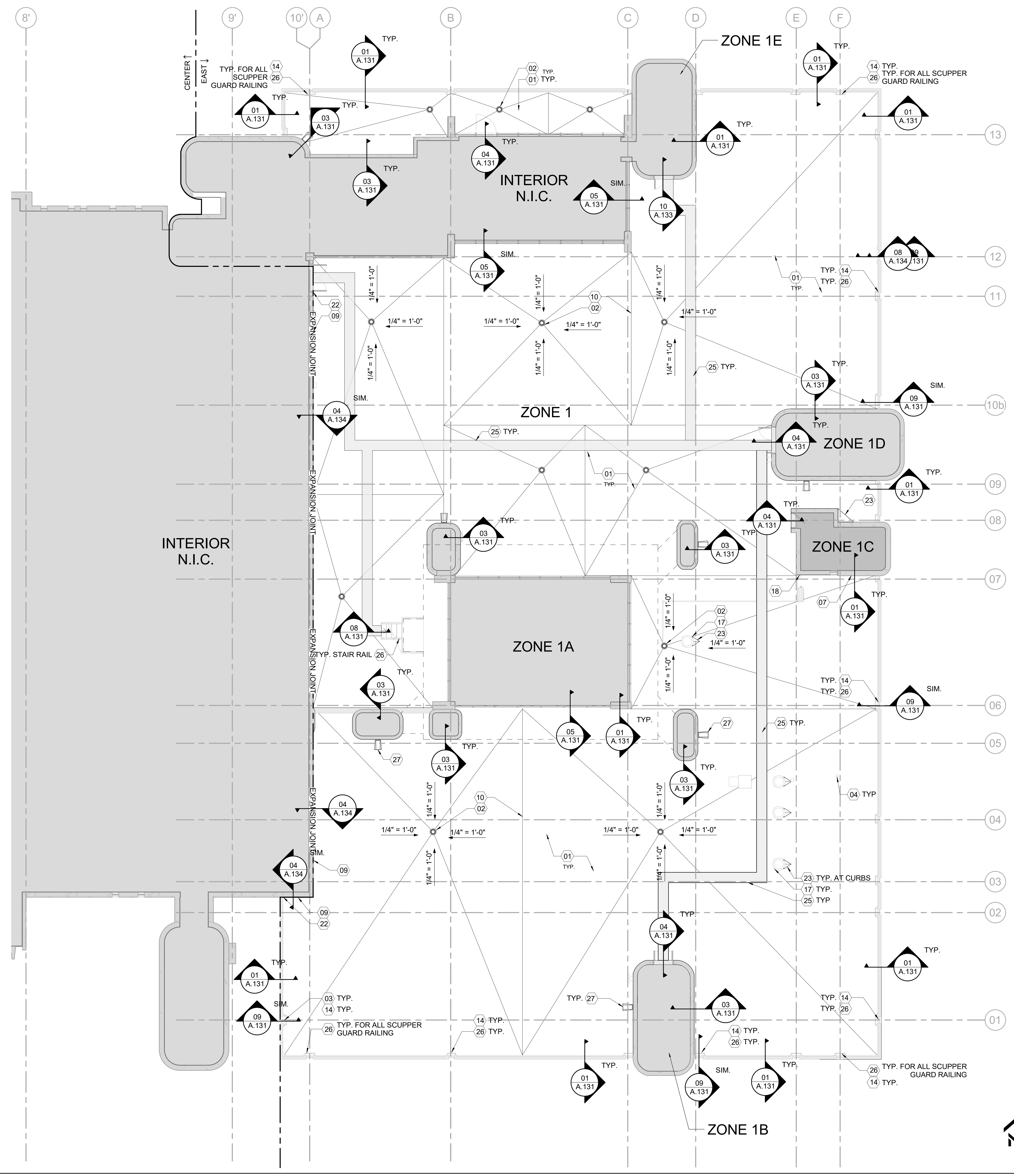
PARCEL ID: 12-24-31-0000-00-002

KMF
 ARCHITECTS
 839 N MAGNOLIA AVE
 ORLANDO, FL 32803
 #AR93580
 KMFARCHITECTS.COM
 407.298.1988

ERIC KLEINSTEUBER
 FL LICENSE # AR93580
 PROJECT # 2215.03
 DATE: 10/19/22

OVERALL ROOF PLAN

SHEET NUMBER ISSUE
A.120 90



GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
A.		EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
B.		THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
D.		PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
E.		CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
F.		PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
G.		DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
H.		PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
I.		PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS
ROOF PLAN NOTES		
01		NEW MODIFIED BITUMEN MEMBRANE ROOFING - SLOPE 1/4" PER FOOT MINIMUM. UNLESS NOTED OTHERWISE, NEW ROOFING TO BE R25 WITH TWO LAYERS OF 2 INCH. INSULATION MINIMUM.
02		NEW ROOF DRAIN - SEE DETAIL
03		THRU WALL SCUPPER DRIP EDGE - SEE DETAIL
04		PLUMBING VENT - SEE DETAIL
05		THRU ROOF STEEL PIPE
06		LIGHTNING GROUND WIRE THRU ROOF. ARCHITECT HAS MADE BEST EFFORTS TO LOCATE ALL PENETRATIONS. CONTRACTOR SHALL INCLUDE EACH ADDITIONAL PENETRATIONS IN THE BASE BID TO FLASH PENETRATIONS NOT SHOWN. COORDINATE WITH ELECTRICAL DRAWINGS.
07		LIGHTNING GROUND WIRE THRU WALL. ARCHITECT HAS MADE BEST EFFORTS TO LOCATE ALL PENETRATIONS. CONTRACTOR SHALL INCLUDE EACH ADDITIONAL PENETRATIONS IN THE BASE BID TO FLASH PENETRATIONS NOT SHOWN. COORDINATE WITH ELECTRICAL DRAWINGS.
08		CUSTOM FABRICATED ROOF-TO-ROOF EXPANSION JOINT
09		CUSTOM FABRICATED ROOF-TO-WALL EXPANSION JOINT
10		ROOF RIDGE TYPICAL
11		WELDED CORNER AT FLASHING
12		WELDED END TERMINATION AT FLASHING
13		WALL FLASHING
14		PROVIDE CUSTOM FABRICATED ROOF EDGE TO FASCIA/GRAVEL STOP TYPE TRANSITION. SUBMIT SHOP DRAWING FOR REVIEW.
15		ROOF GUTTER AND DOWNSPOUT.
16		GRAVEL STOP FLASHING
17		MECHANICAL EQUIPMENT CURB FLASHING
18		CONDENSER WALL SUPPORTS
19		EXISTING ELECTRICAL PANEL/DISCONNECT TO BE RAISED AS REQUIRED TO CLEAR WALL FLASHING.
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22		ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING PARAPET WALL. FIELD VERIFY CONDITIONS. (AND OR) ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING DOOR. EXPANSION JOINT JOGS THROUGH BUILDING. FIELD VERIFY CONDITIONS.
23		ROOF SADDLE OR CRICKET
24		ROOF TO ROOF SCUPPER - SEE DETAILS
25		NEW WALKWAY PAD
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29		NEW FLASHING AT BASE OF SUPPORT FOR EXISTING ELEVATED CONCRETE MECHANICAL ENCLOSURE.
30		ROOF VALLEY, TYP.
31		UPON APPROVED PULL TEST, INSTALLATION OF A HIGH PERFORMANCE, FLEXIBLE, SEAMLESS, POLYESTER REINFORCED LIQUID APPLIED WATERPROOFING.
32		EXISTING ELEVATED MECHANICAL PIPING TO REMAIN AND BE PROTECTED THROUGHOUT CONSTR.
33		EXISTING ROOF ACCESS HATCH TO REMAIN. FLASH UP TO HATCH CURB.
NOTES		
SECOND FLOOR - ROOF PLAN - EAST		01

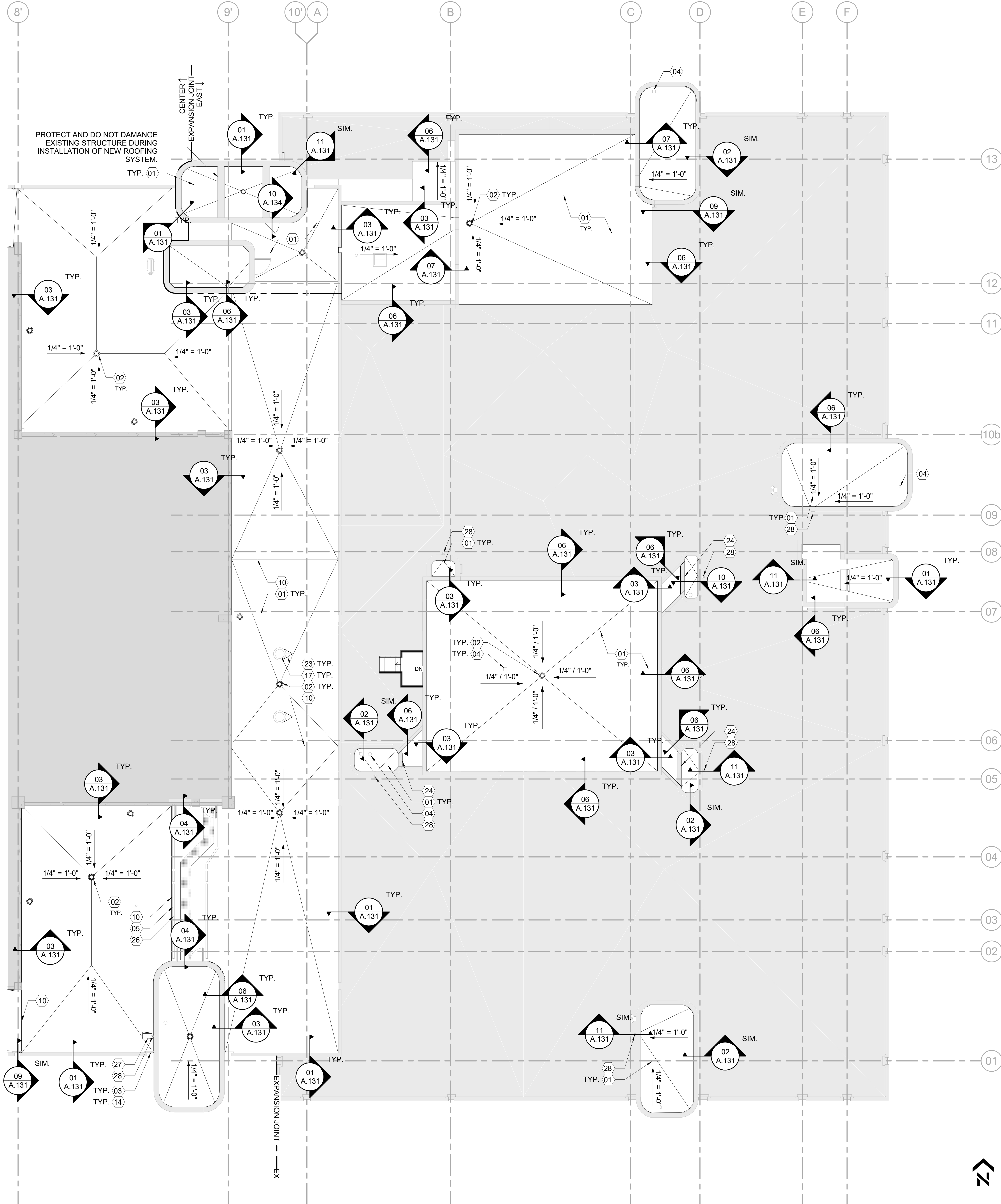
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**ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF**
101 E. Central Ave, Orlando, Florida 32801

KMF ARCHITECTS
839 N MAGNOLIA AVE
ORLANDO, FL 32803
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407.298.1988

ERIC KLEINSTEUBER
FL LICENSE # AR93580
PROJECT # 2215.03
DATE: 2023.07.20
**SECOND FLOOR
ROOF PLAN**
SHEET NUMBER **A.121** ISSUE **100**

PARCEL ID: 12-24-31-0000-00-002



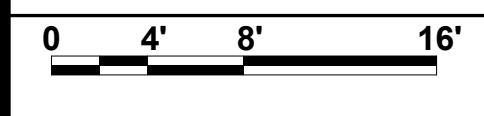
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32		EXISTING ELEVATED MECHANICAL PIPING TO REMAIN AND BE PROTECTED THROUGHOUT CONSTR.
33		EXISTING ROOF ACCESS HATCH TO REMAIN. FLASH UP TO HATCH CURB.

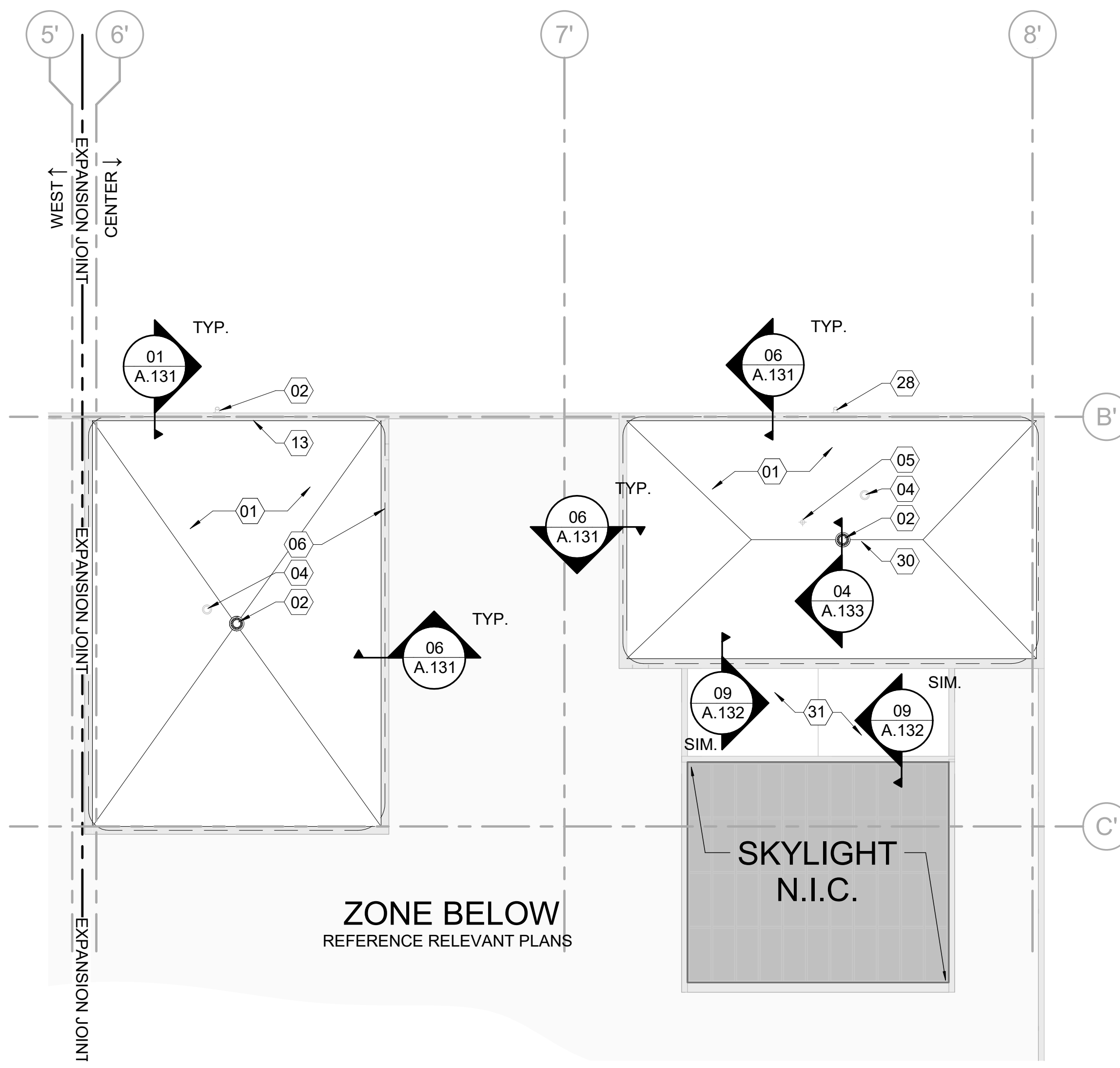
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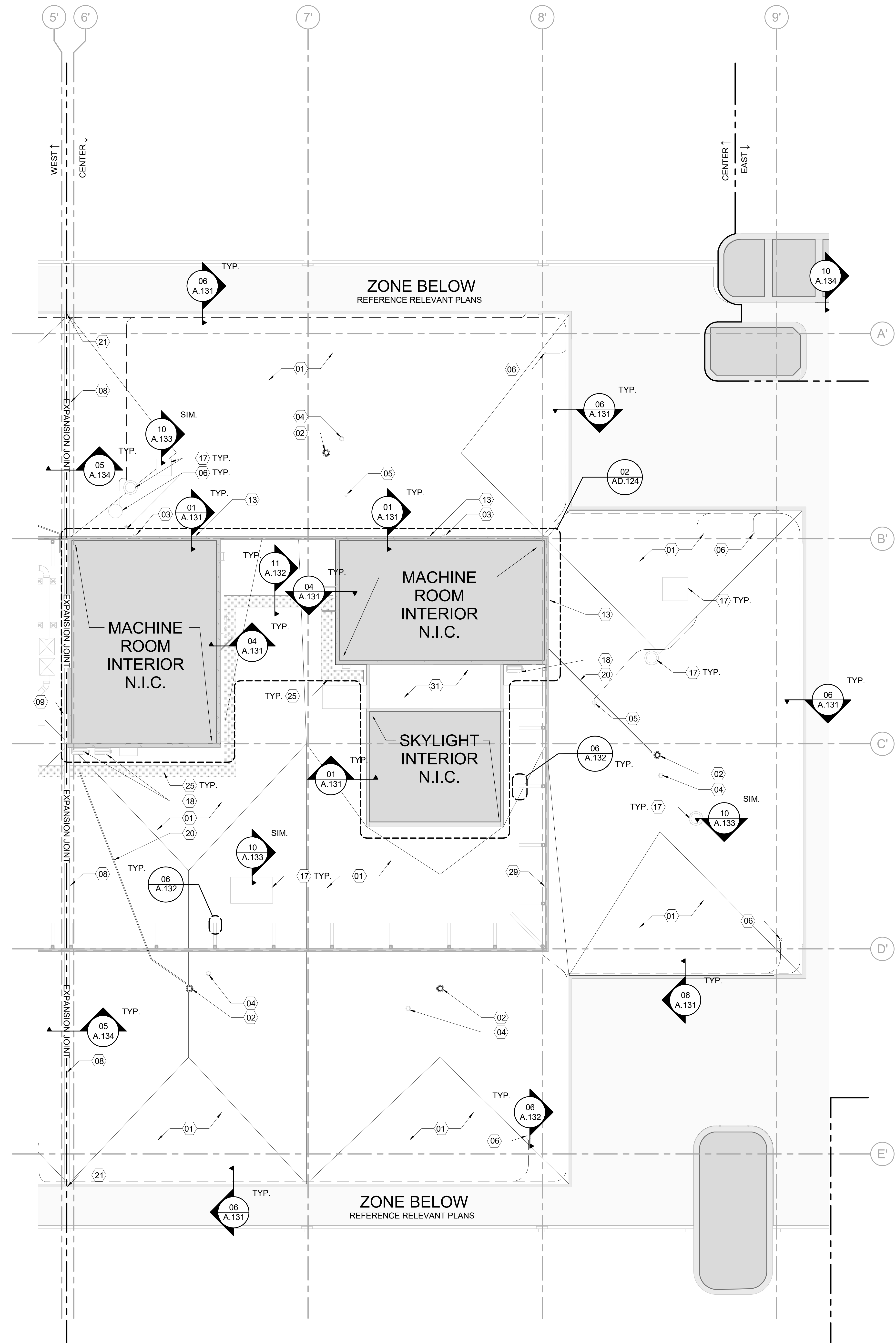
ERIC KLEINSTEUBER
 FL LICENSE # AR93580
 PROJECT # 2215.03
 DATE: 2023.07.20

THIRD FLOOR ROOF PLAN





MACHINE ROOM - ROOF PLAN - CENTER 02
1/8" = 1'-0"



FIFTH FLOOR - ROOF PLAN - CENTER 01
1/8" = 1'-0"

- GENERAL NOTES**
- A. EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - B. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SITE PRIOR TO COMMENCING WORK; ALL INQUIRES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - C. ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - D. PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - E. CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - F. PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - G. DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - H. PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - I. PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS.
- ROOF PLAN NOTES**
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 - 02 NEW ROOF DRAIN - SEE DETAIL
 - 03 THRU WALL SCUPPER DRIP EDGE - SEE DETAIL
 - 04 PLUMBING VENT - SEE DETAIL
 - 05 THRU ROOF STEEL PIPE
 - 06 LIGHTNING GROUND WIRE THRU ROOF. ARCHITECT HAS MADE BEST EFFORTS TO LOCATE ALL PENETRATIONS. CONTRACTOR SHALL INCLUDE EACH ADDITIONAL PENETRATIONS IN THE BASE BID TO FLASH PENETRATIONS NOT SHOWN. COORDINATE WITH ELECTRICAL DRAWINGS.
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 - 11 WELDED CORNER AT FLASHING
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 - 15 ROOF GUTTER AND DOWNSPOUT.
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 - 20 NEW MECHANICAL PIPING. LOCATION TO BE COORDINATED WITH MECH. DRAWINGS.
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 - 23 ROOF SADDLE OR CRICKET
 - 24 ROOF TO ROOF SCUPPER - SEE DETAILS
 - 25 NEW WALKWAY PAD
 - 26 HIGH PERFORMANCE COATING TO BE APPLIED
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ISSUE

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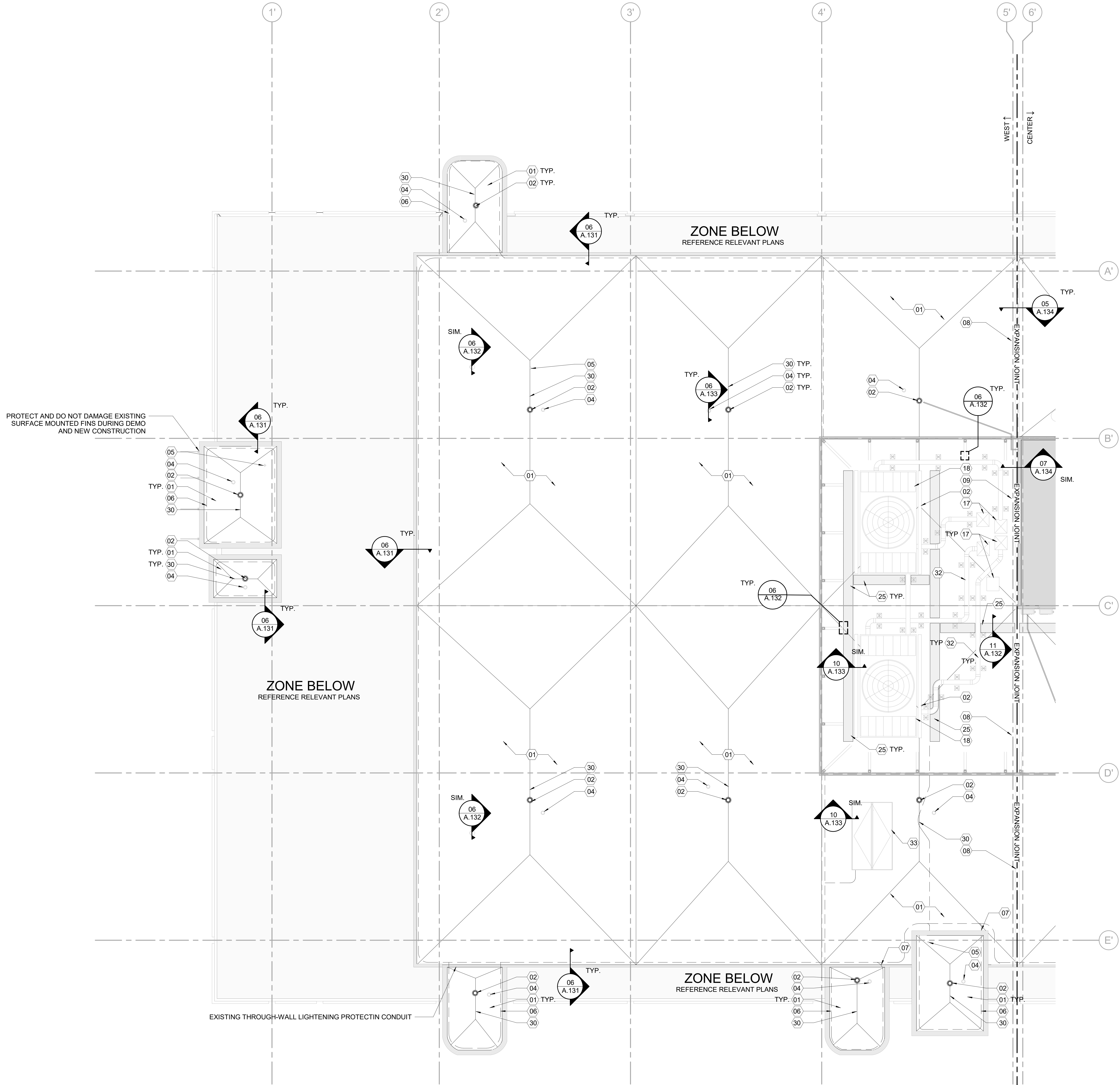
ERIC KLEINSTEUBER
FL LICENSE # AR93580

PROJECT # 2215.03
DATE: 2023.07.20

FIFTH FLOOR ROOF PLAN

SHEET NUMBER **A.124** ISSUE **100**

PARCEL ID: 12-24-31-0000-00-002



- GENERAL NOTES**
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 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS.

- ROOF PLAN NOTES**
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 - NEW ROOF DRAIN - SEE DETAIL
 - THRU WALL SCUPPER DRIP EDGE - SEE DETAIL
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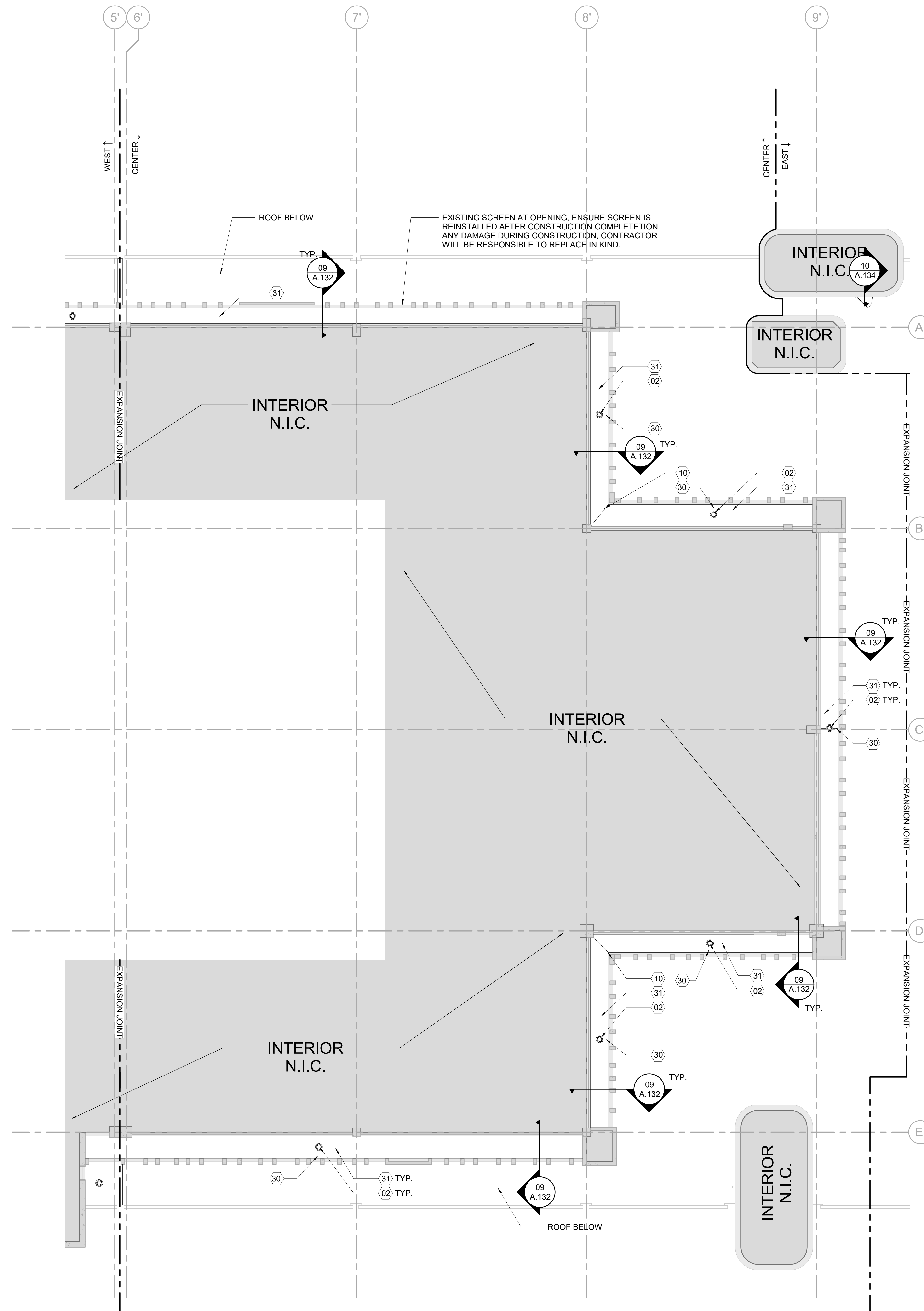
**FIFTH FLOOR
ROOF PLAN**

0 4' 8' 16'

FIFTH FLOOR - ROOF PLAN - WEST 01
1/8" = 1'-0"

NOTES
SHEET NUMBER **A.125** ISSUE **100**

PARCEL ID: 12-24-31-0000-00-002



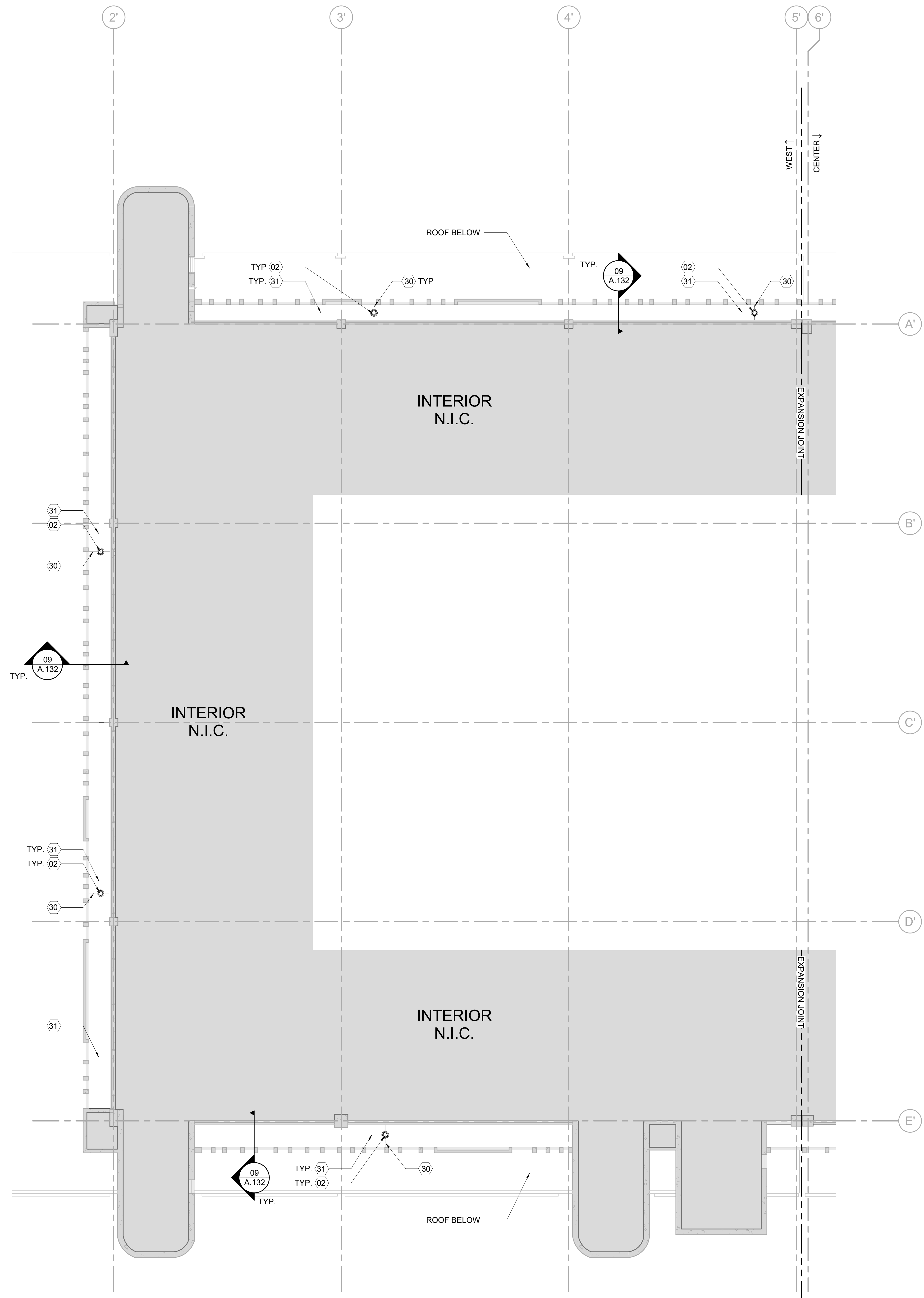
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**FIFTH FLOOR
BALCONY PLAN**



GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
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C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
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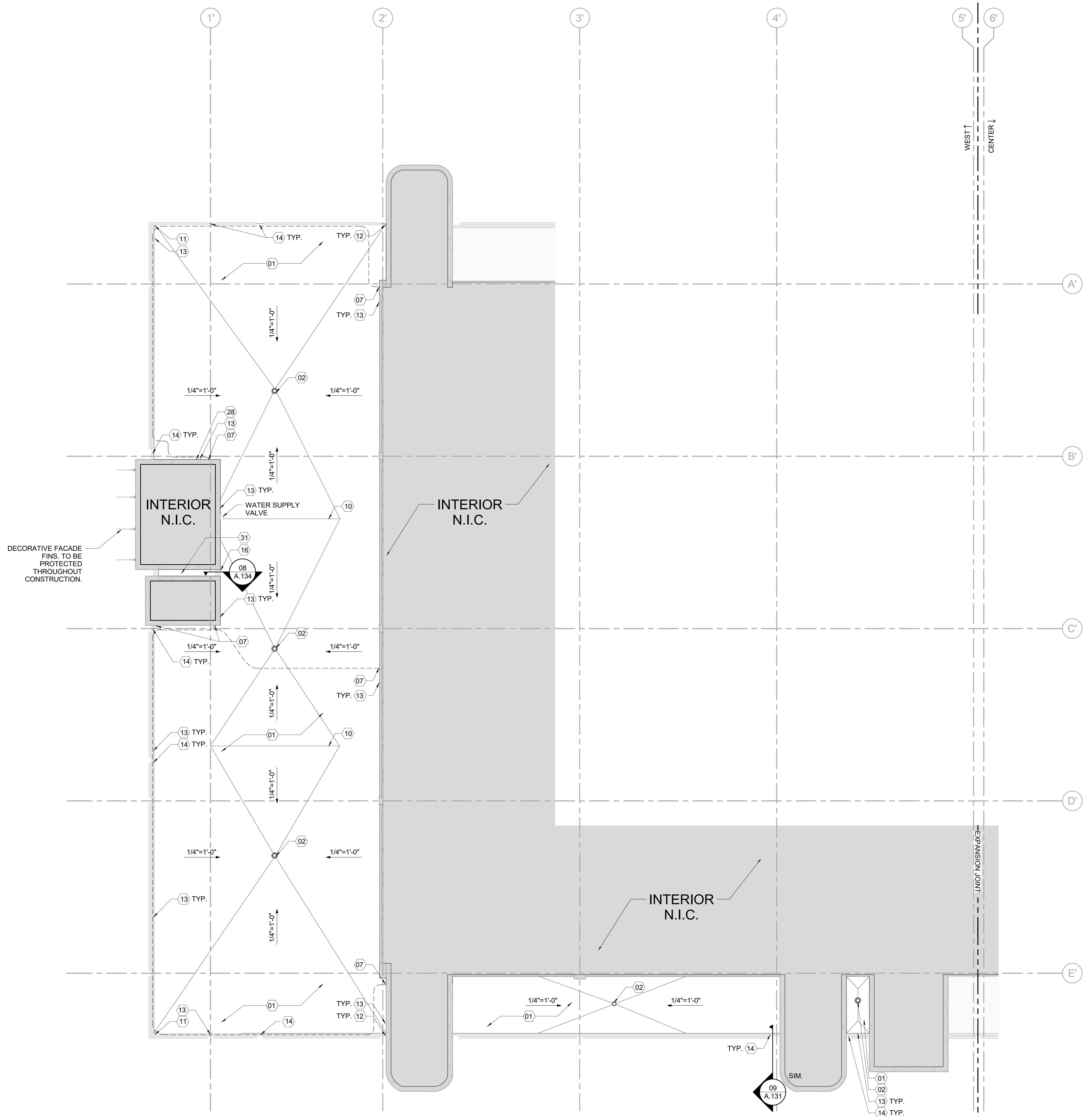
ERIC KLEINSTEUBER
 FL LICENSE # AR93580
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 DATE: 2023.07.20
FIFTH FLOOR BALCONY PLAN

0 4' 8' 16'

FIFTH FLOOR - BALCONY PLAN - WEST 1/8" = 1'-0" 01

NOTES SHEET NUMBER **A.127** ISSUE **100**

PARCEL ID: 12-24-31-0000-00-02



GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
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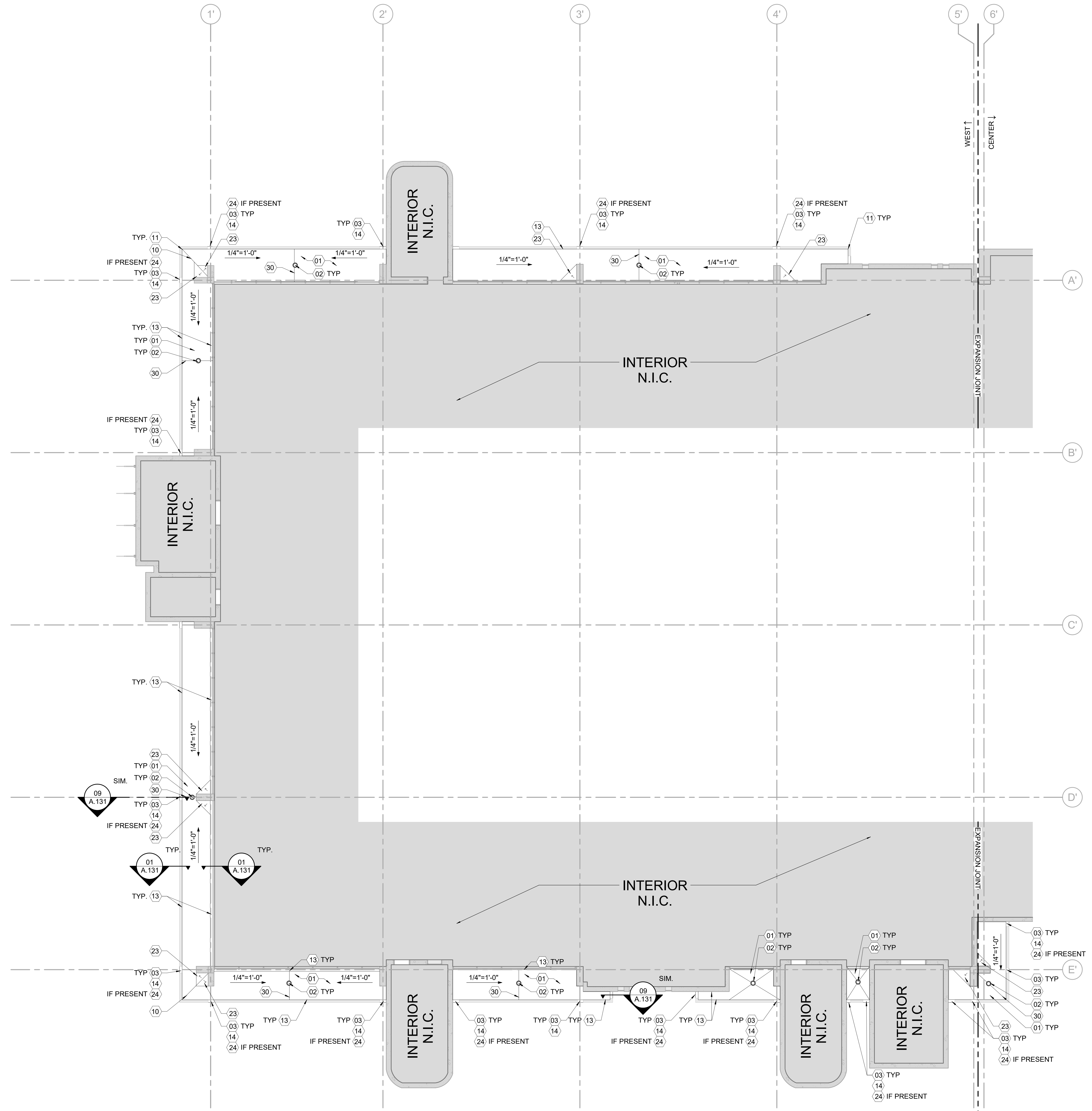
ERIC KLEINSTEUBER
 FL LICENSE # AR93580
 PROJECT # 2215.03
 DATE: 2023.07.20
THIRD FLOOR ROOF PLAN

0 4' 8' 16'

THIRD FLOOR - ROOF PLAN - WEST 1/8" = 1'-0"

SHEET NUMBER **A.128** ISSUE **100**

PARCEL ID : 12-24-31-0000-00-002



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B.		THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SITE PRIOR TO COMMENCING WORK; ALL INQUIRIES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
D.		PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
E.		CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
F.		PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
G.		DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
H.		PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
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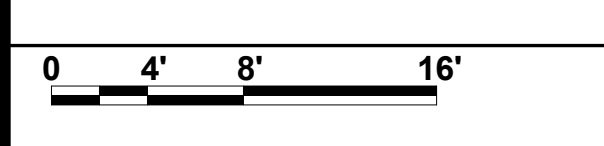
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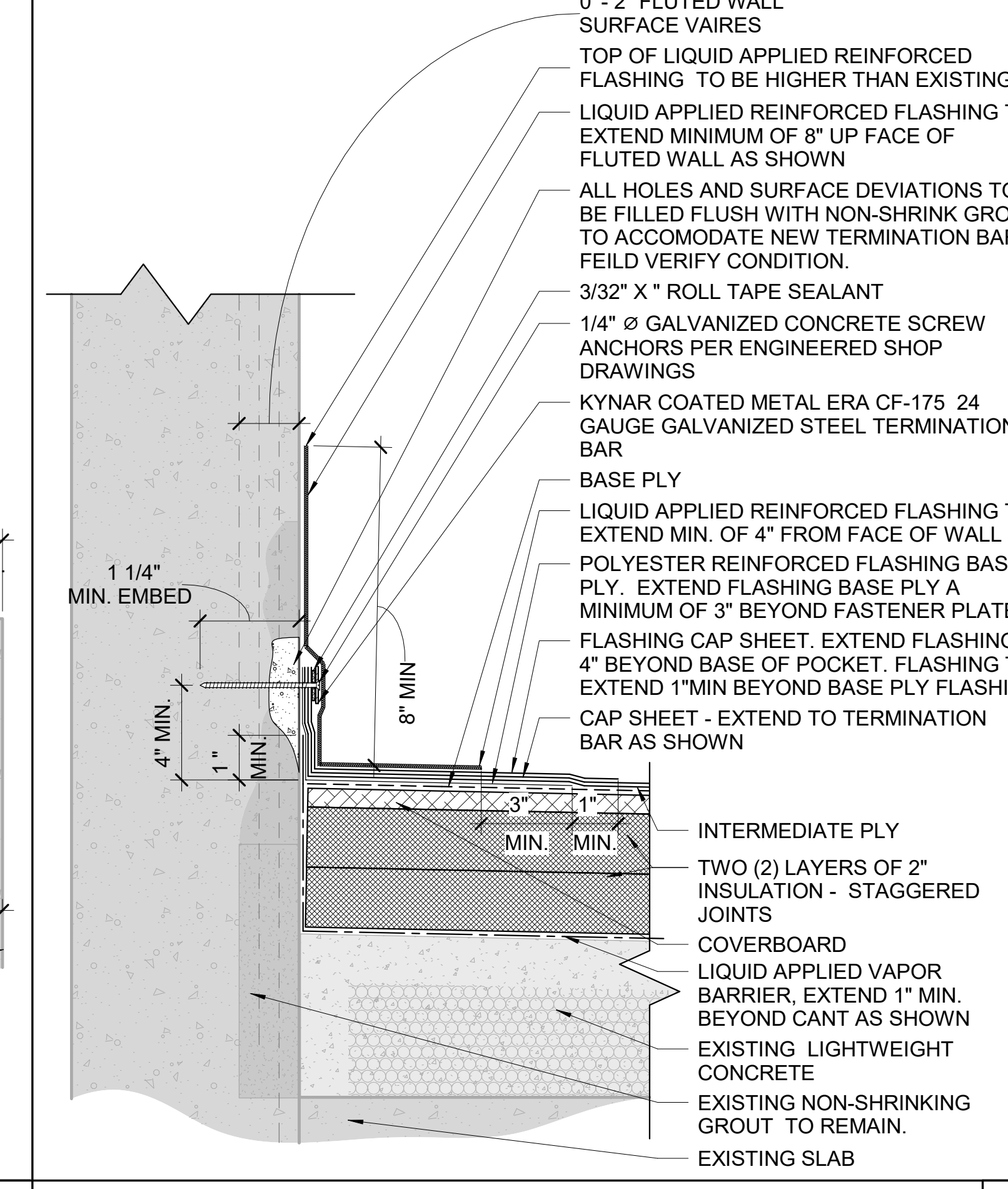
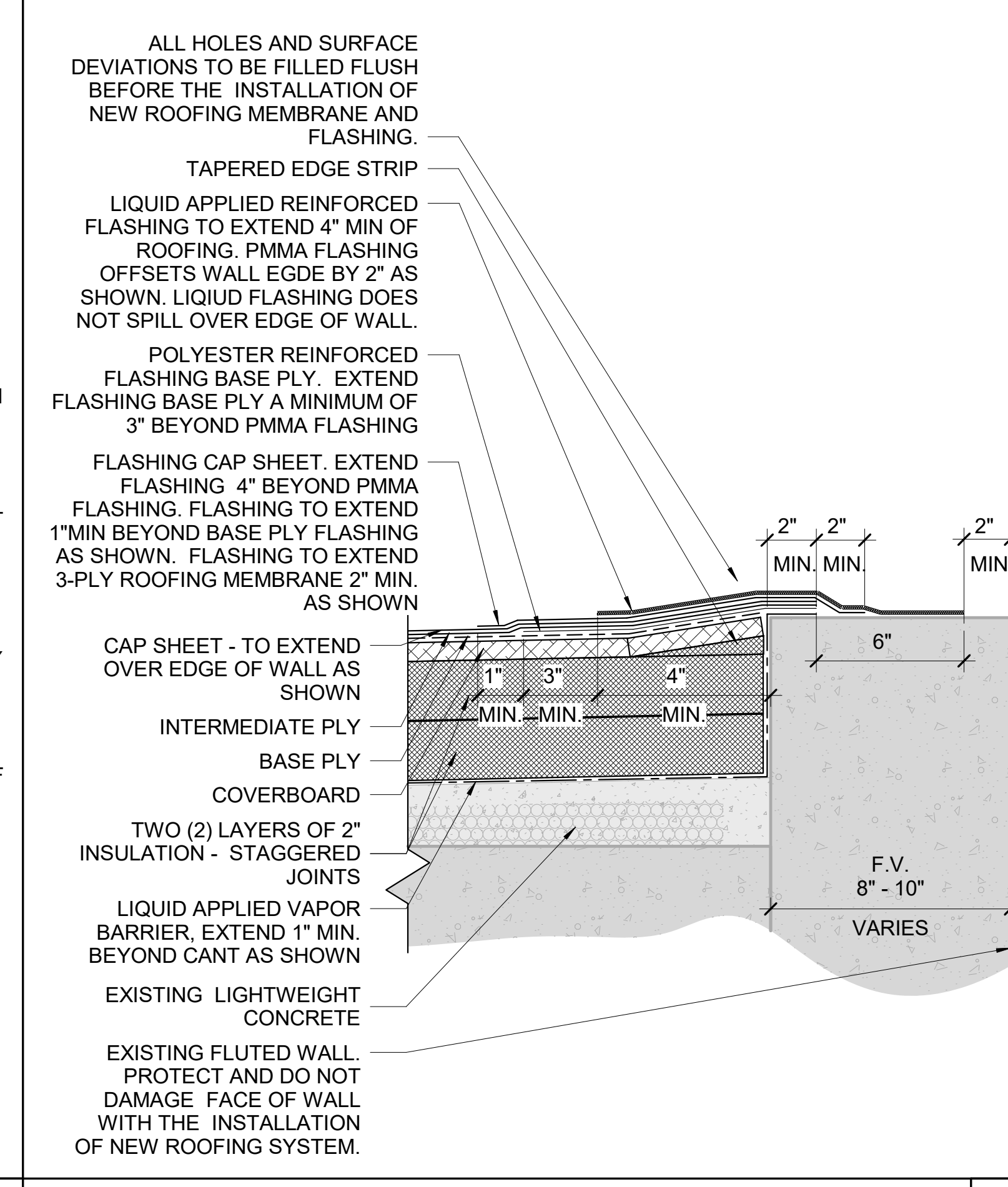
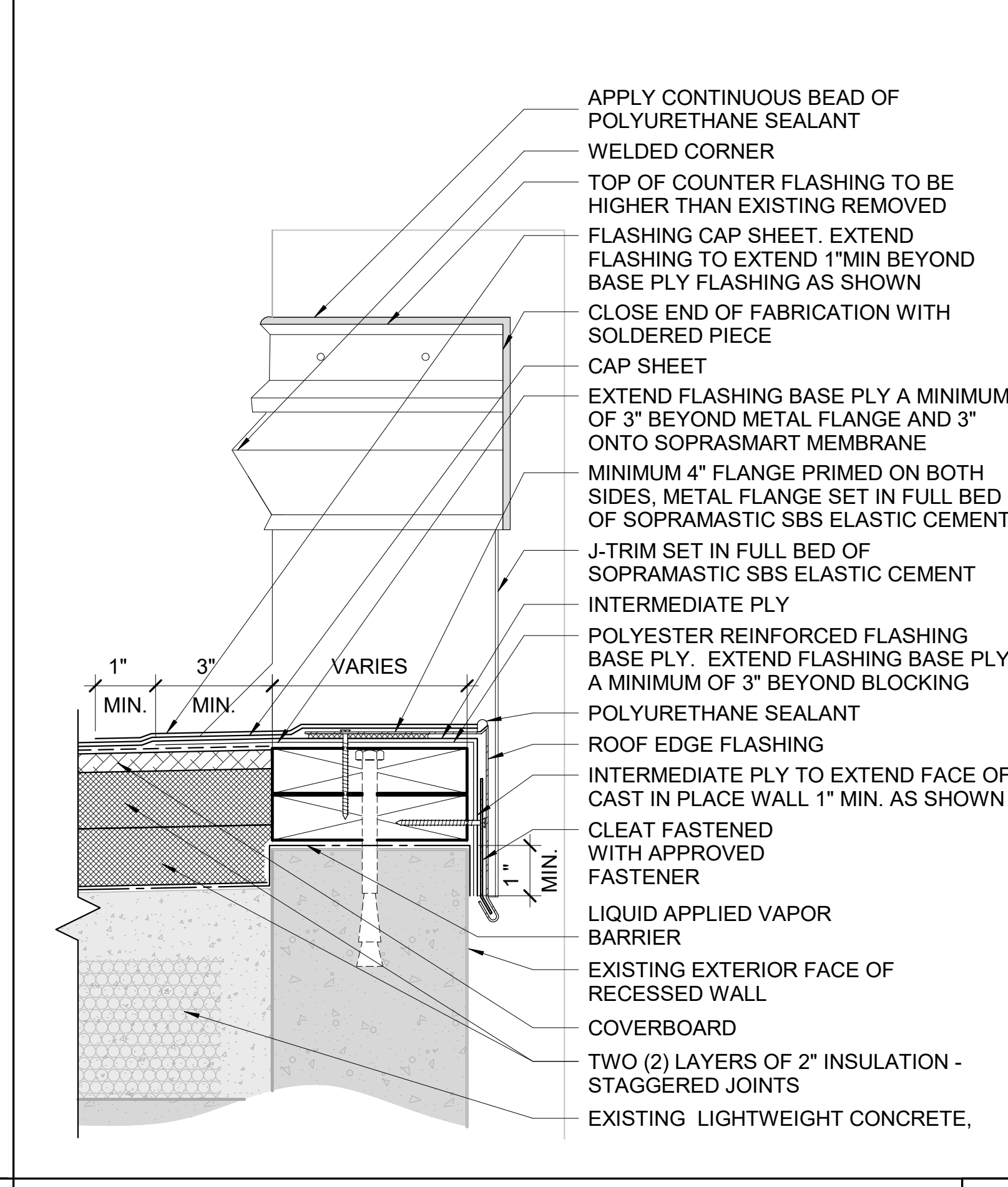
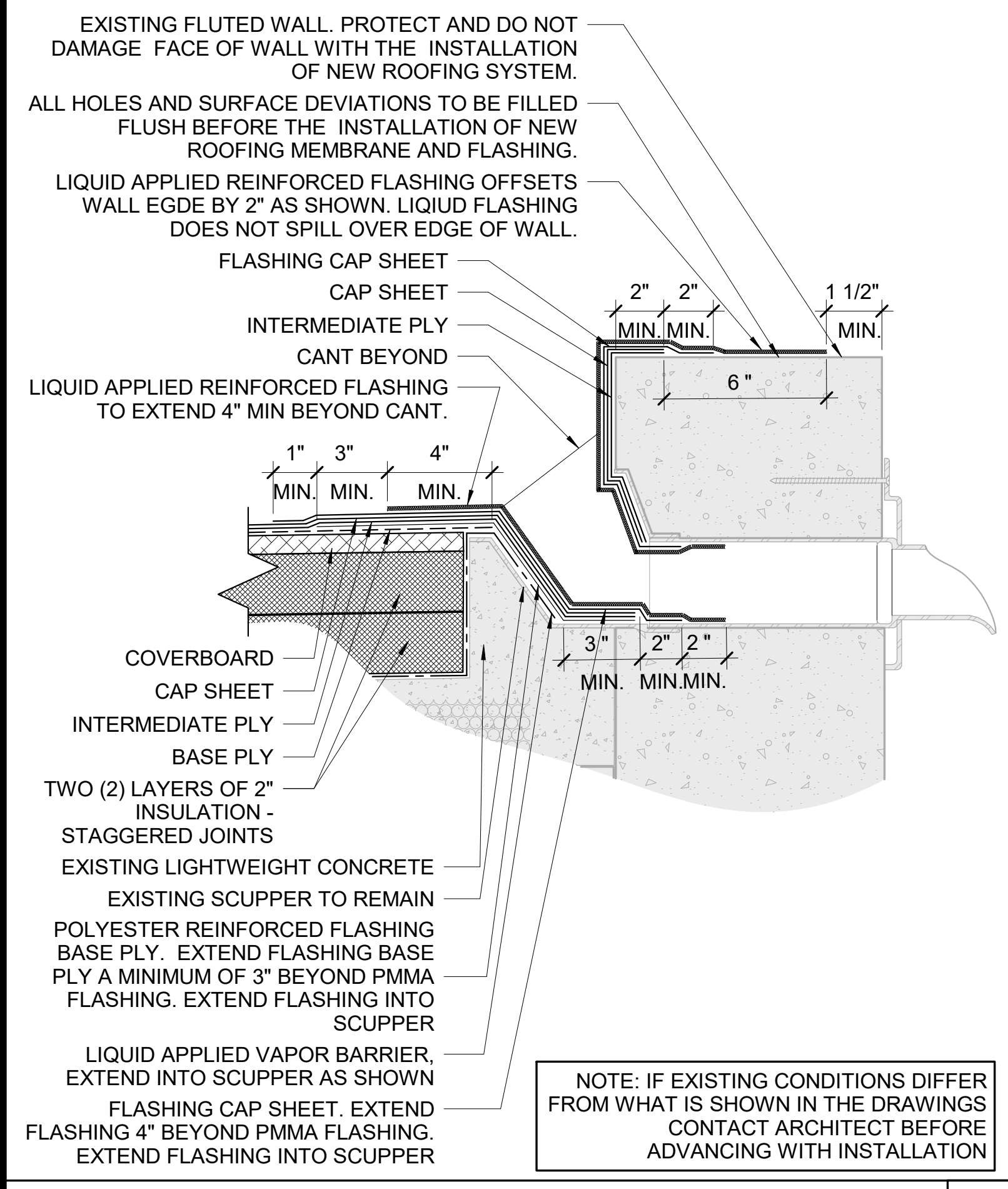
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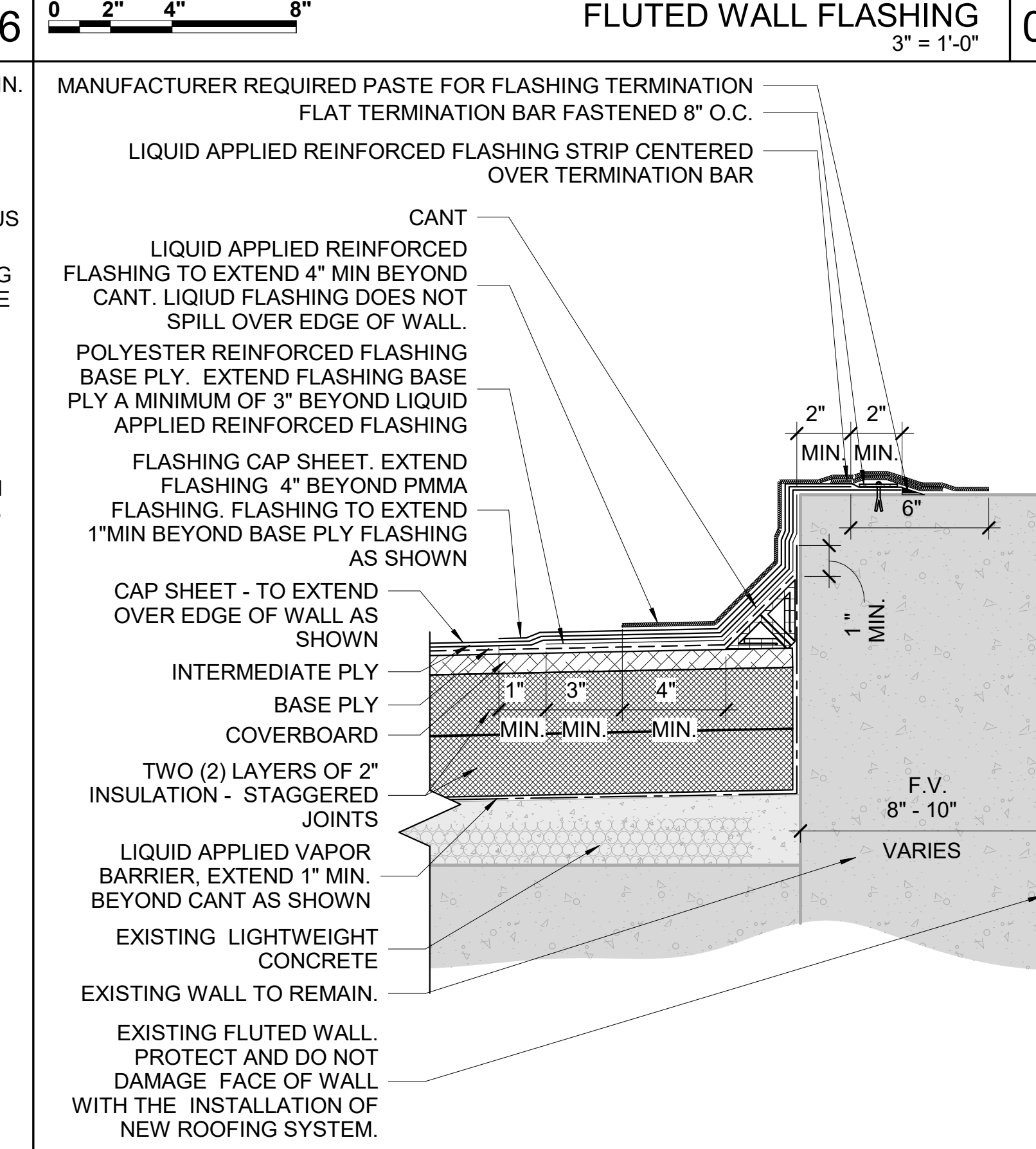
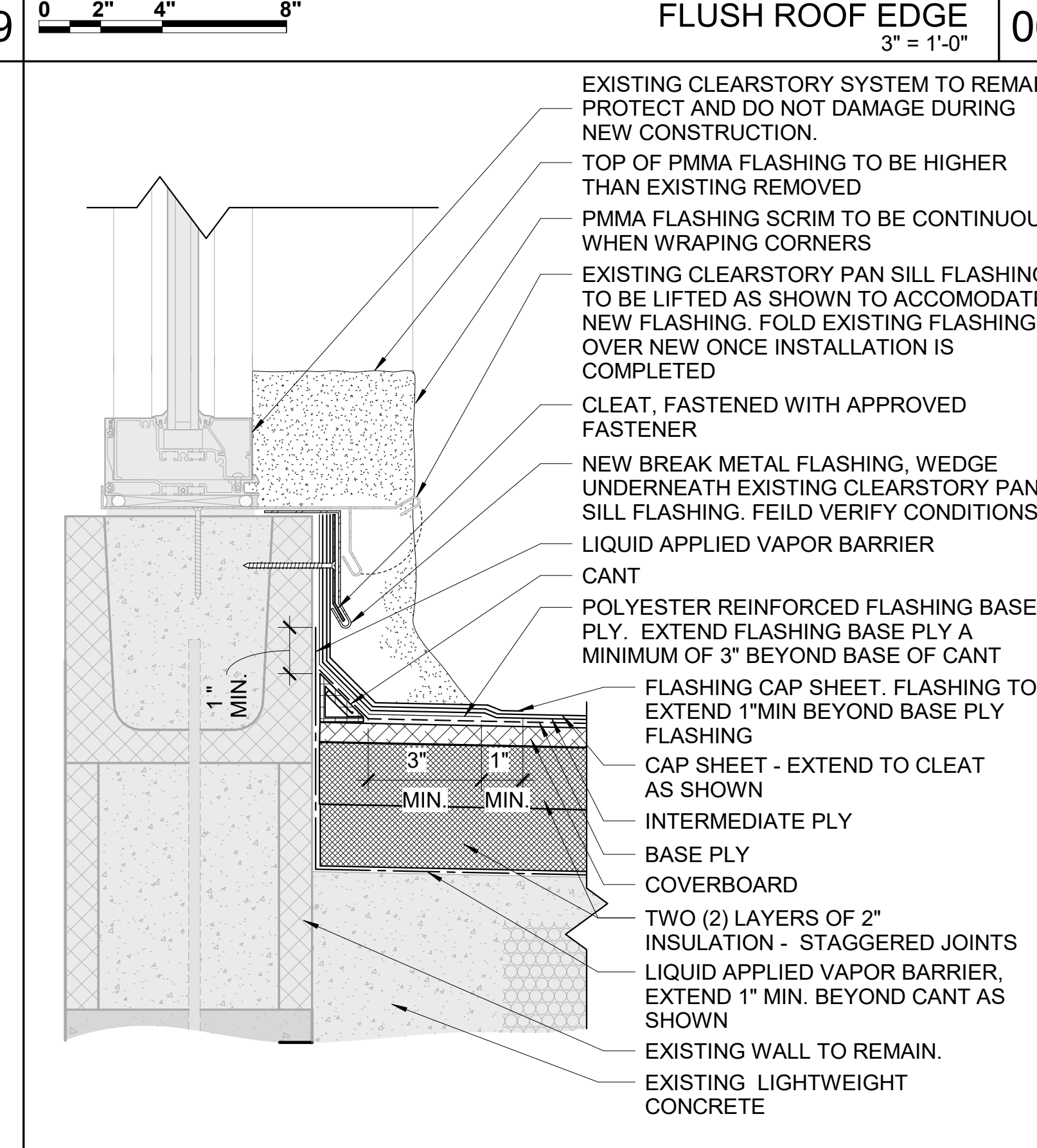
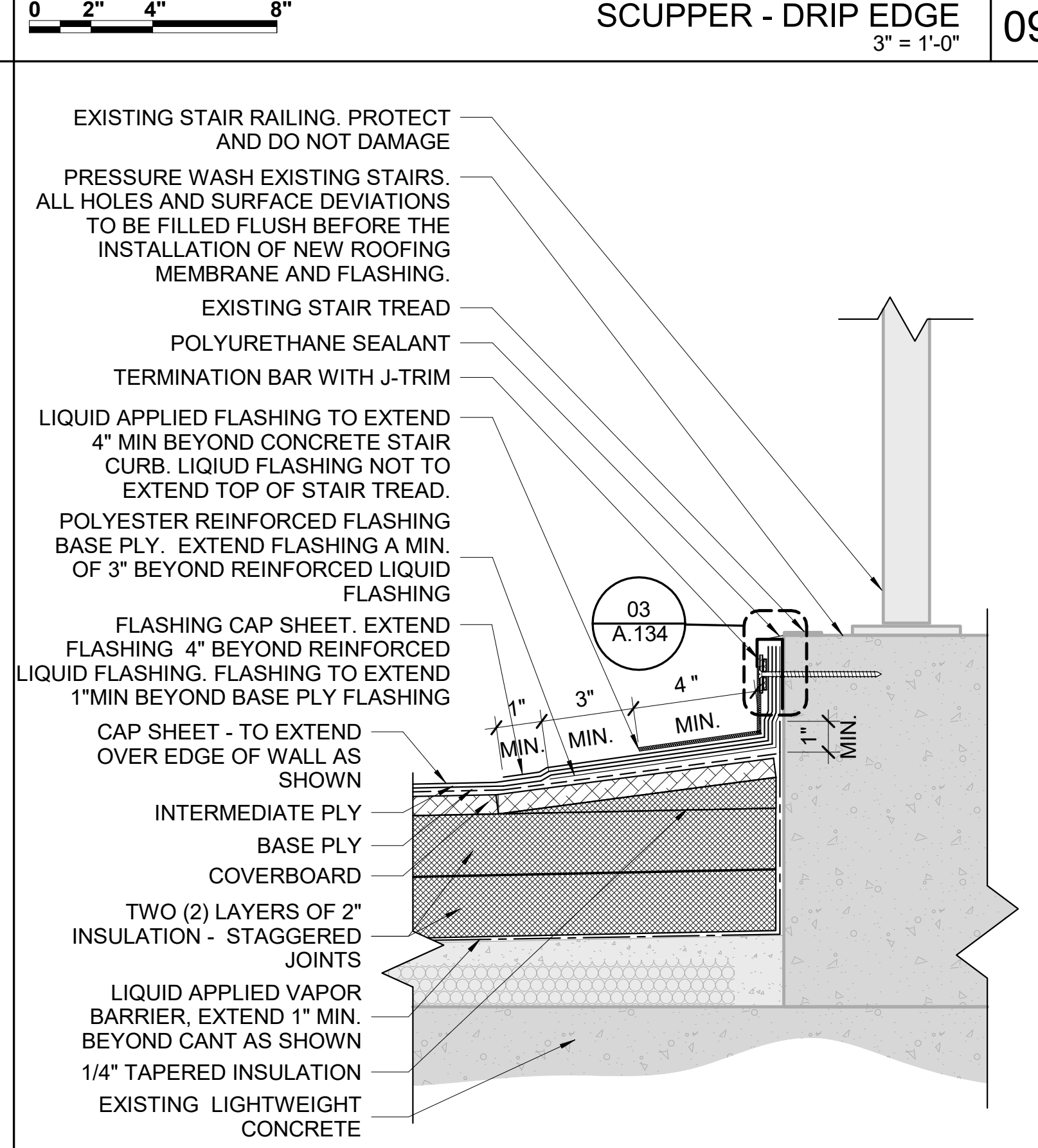
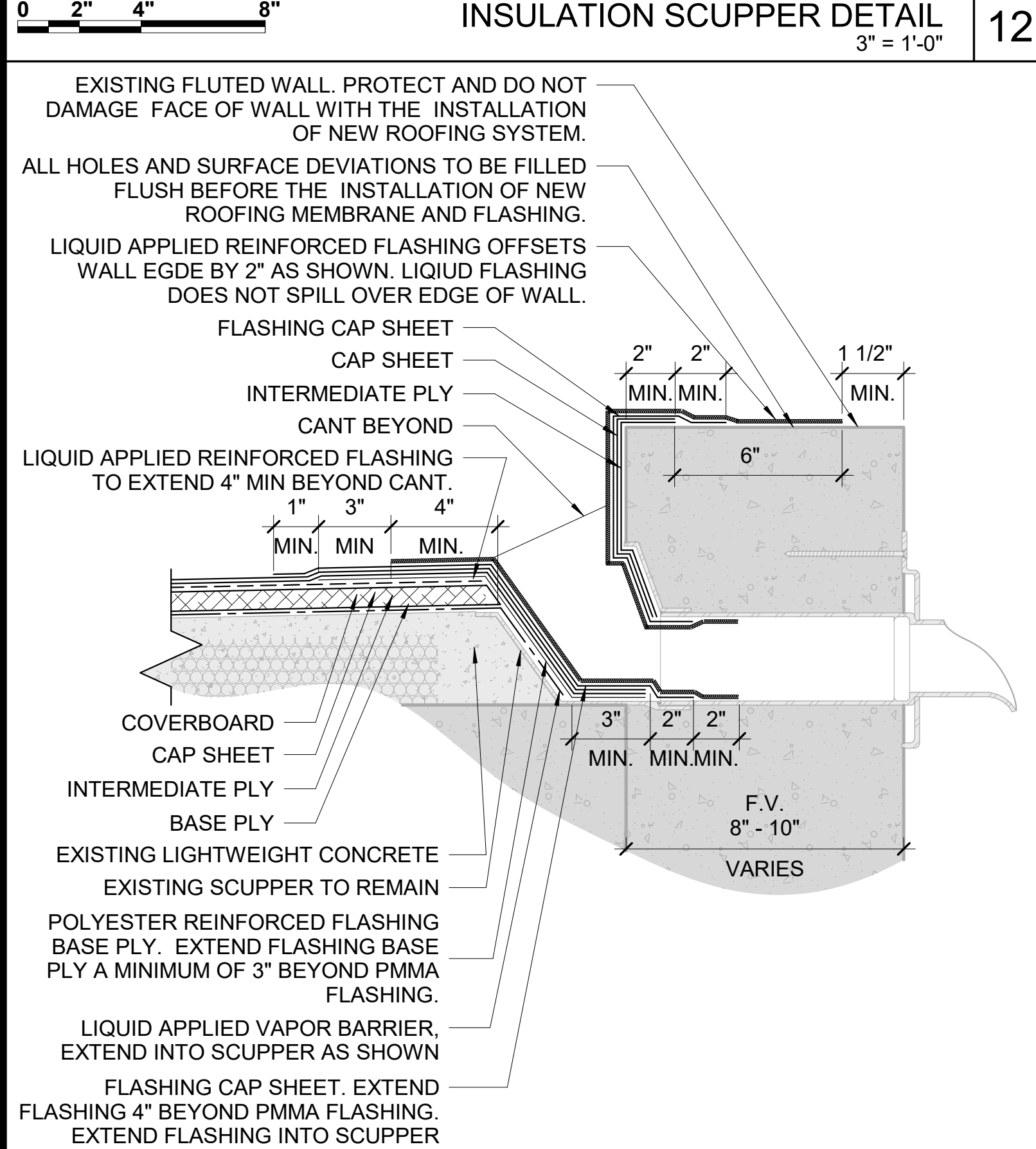
THIRD FLOOR BALCONY PLAN



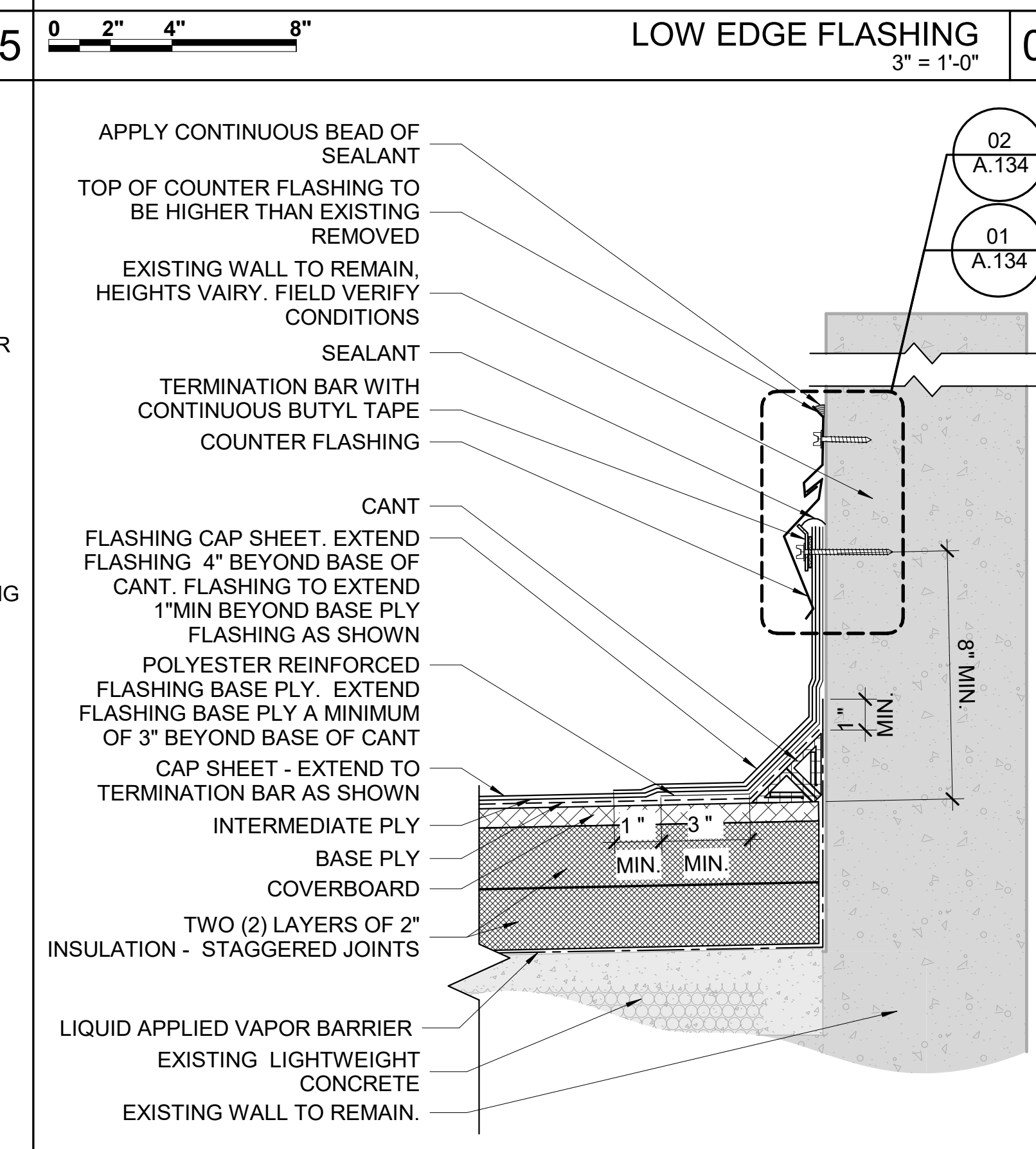
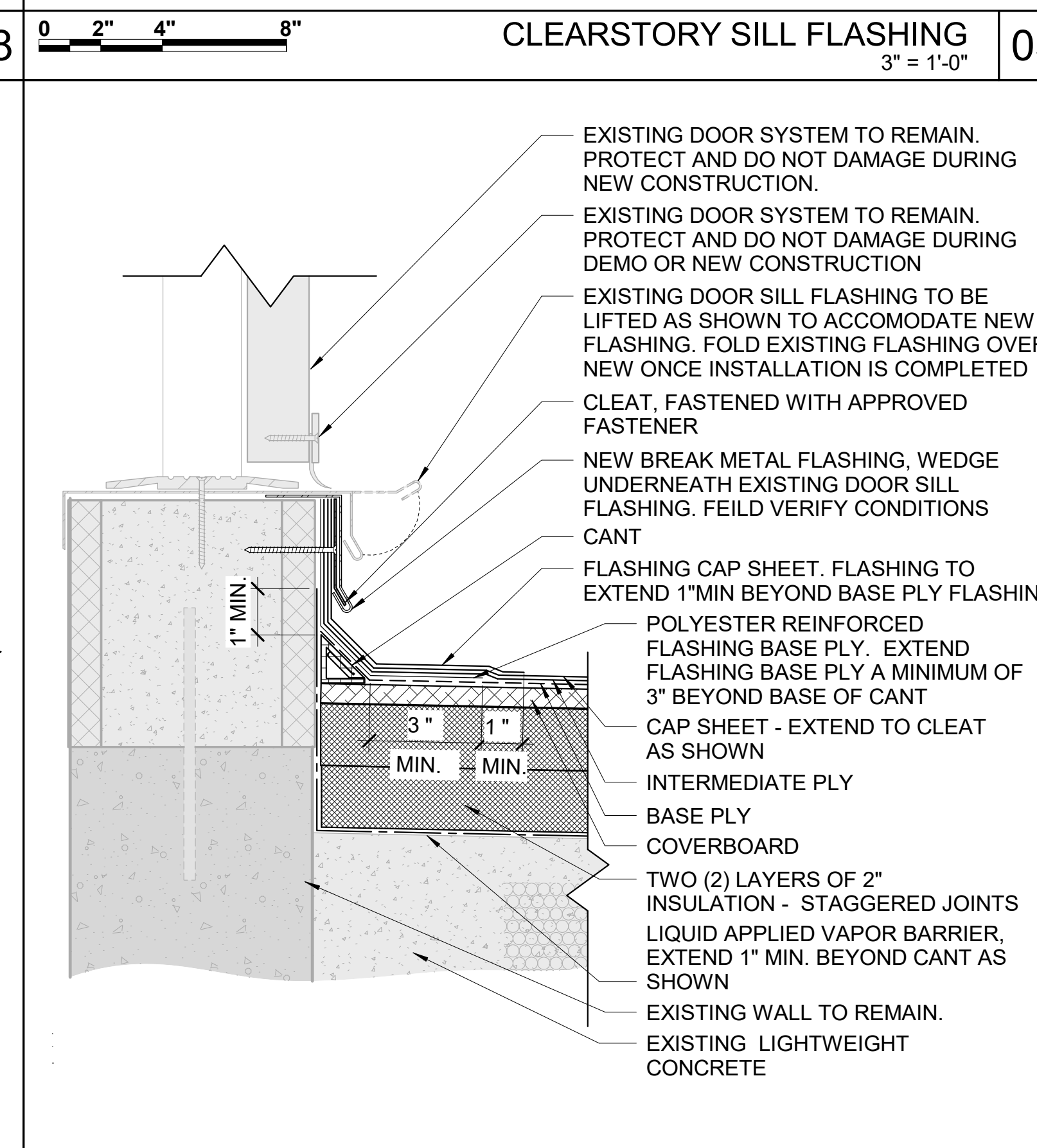
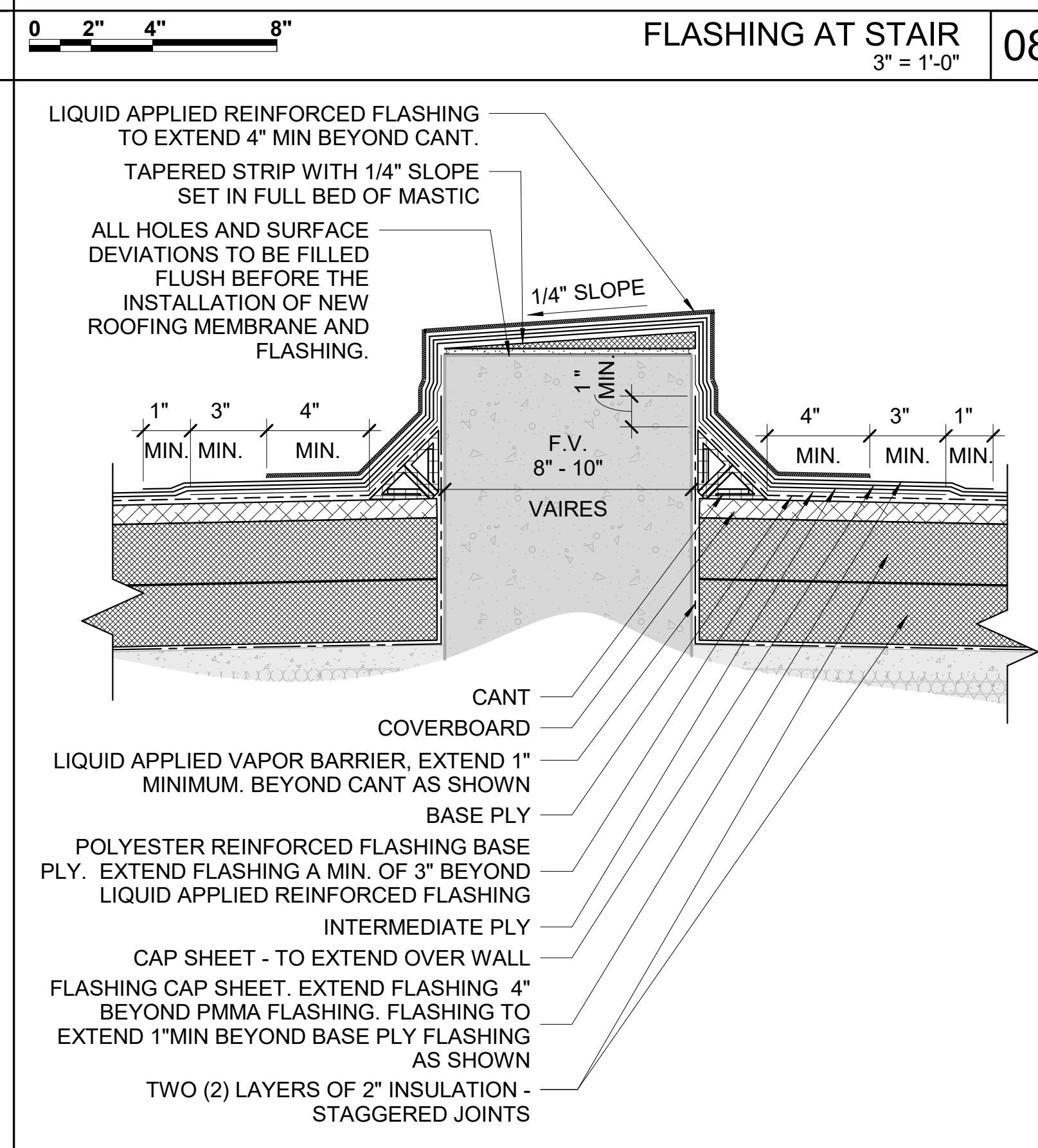
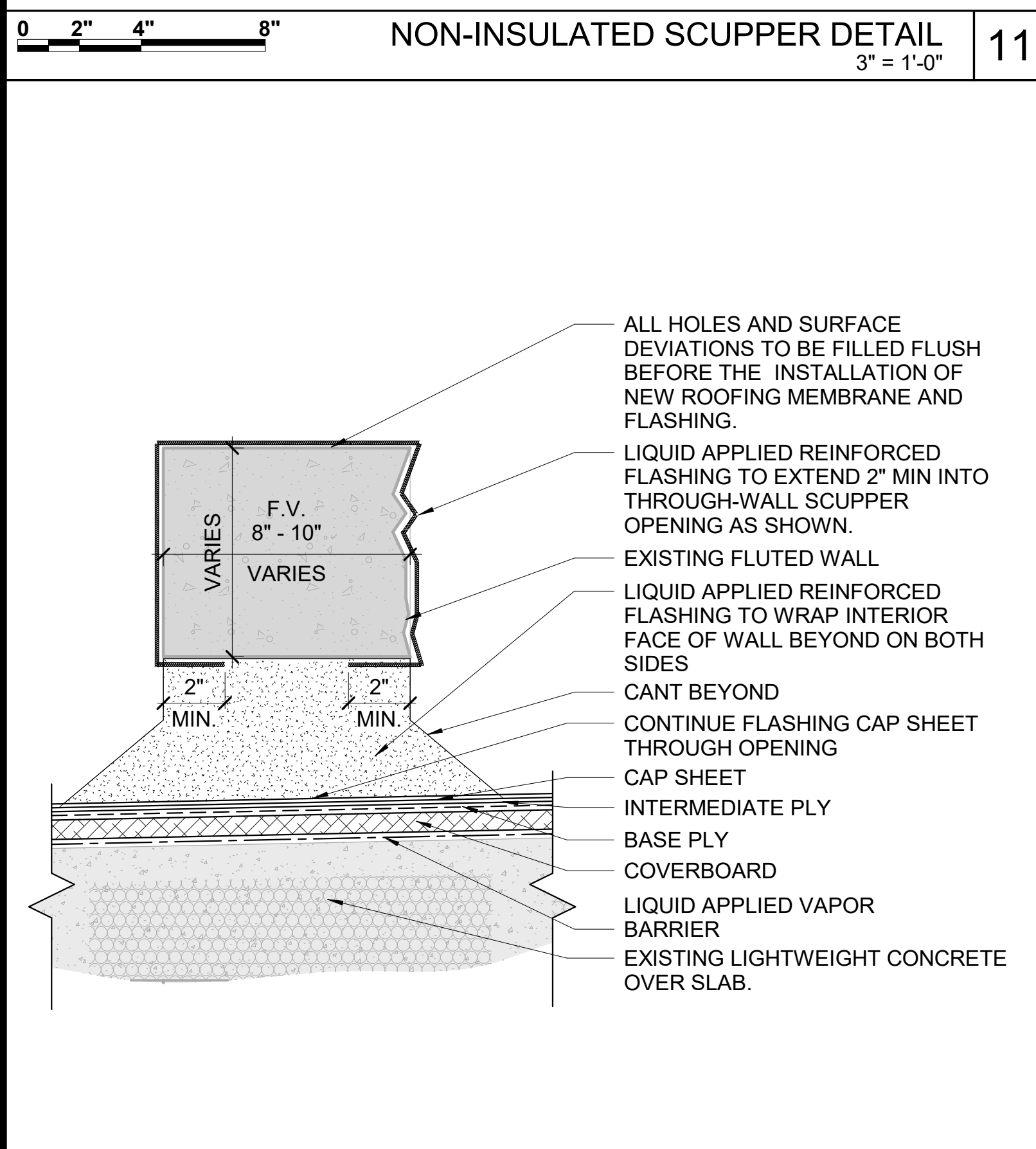
PARCEL ID: 12-24-31-0000-00-002



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INSULATION SCUPPER DETAIL 12
3" = 1'-0"

SCUPPER - DRIP EDGE 09
3" = 1'-0"

FLUSH ROOF EDGE 06
3" = 1'-0"

FLUTED WALL FLASHING 03
3" = 1'-0"

NON-INSULATED SCUPPER DETAIL 11
3" = 1'-0"

FLASHING AT STAIR 08
3" = 1'-0"

CLEARSTORY SILL FLASHING 05
3" = 1'-0"

LOW EDGE FLASHING 02
3" = 1'-0"

ROOF TO ROOF SCUPPER 10
3" = 1'-0"

FLASHING OVER WALL 07
3" = 1'-0"

FLASHING AT ROOF ACCESS DOOR 04
3" = 1'-0"

WALL FLASHING 01
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NOTES

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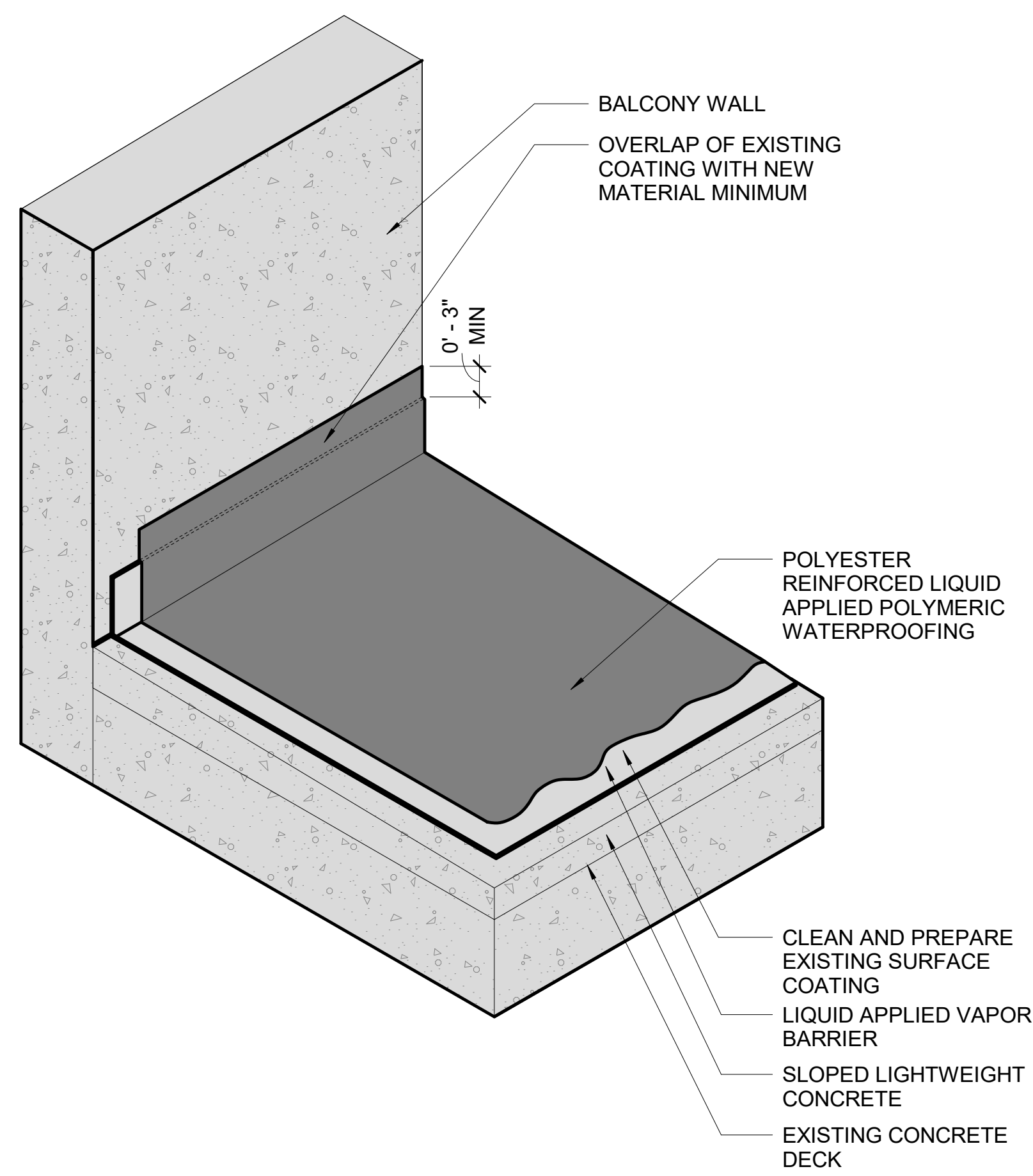
NOTES

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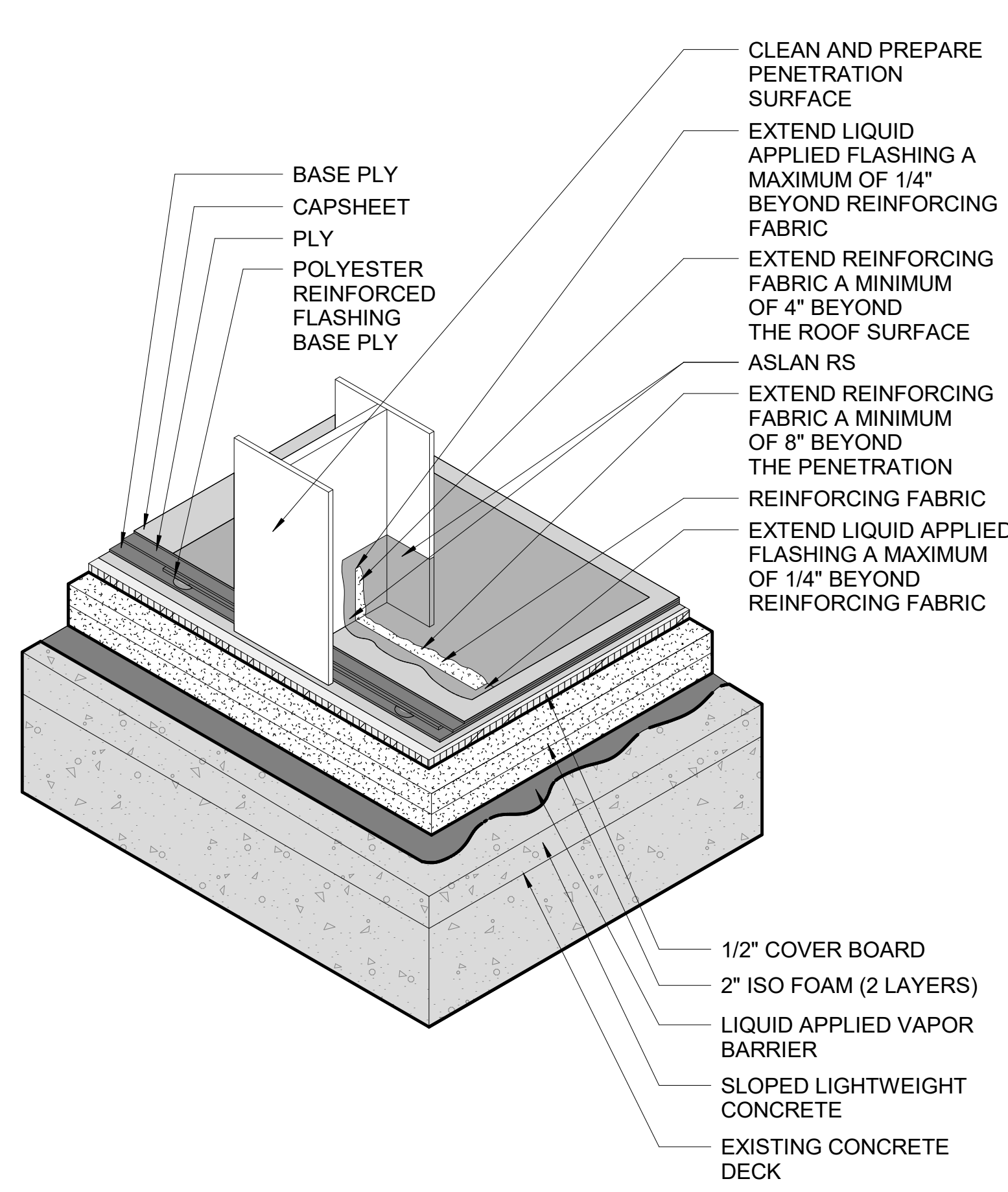
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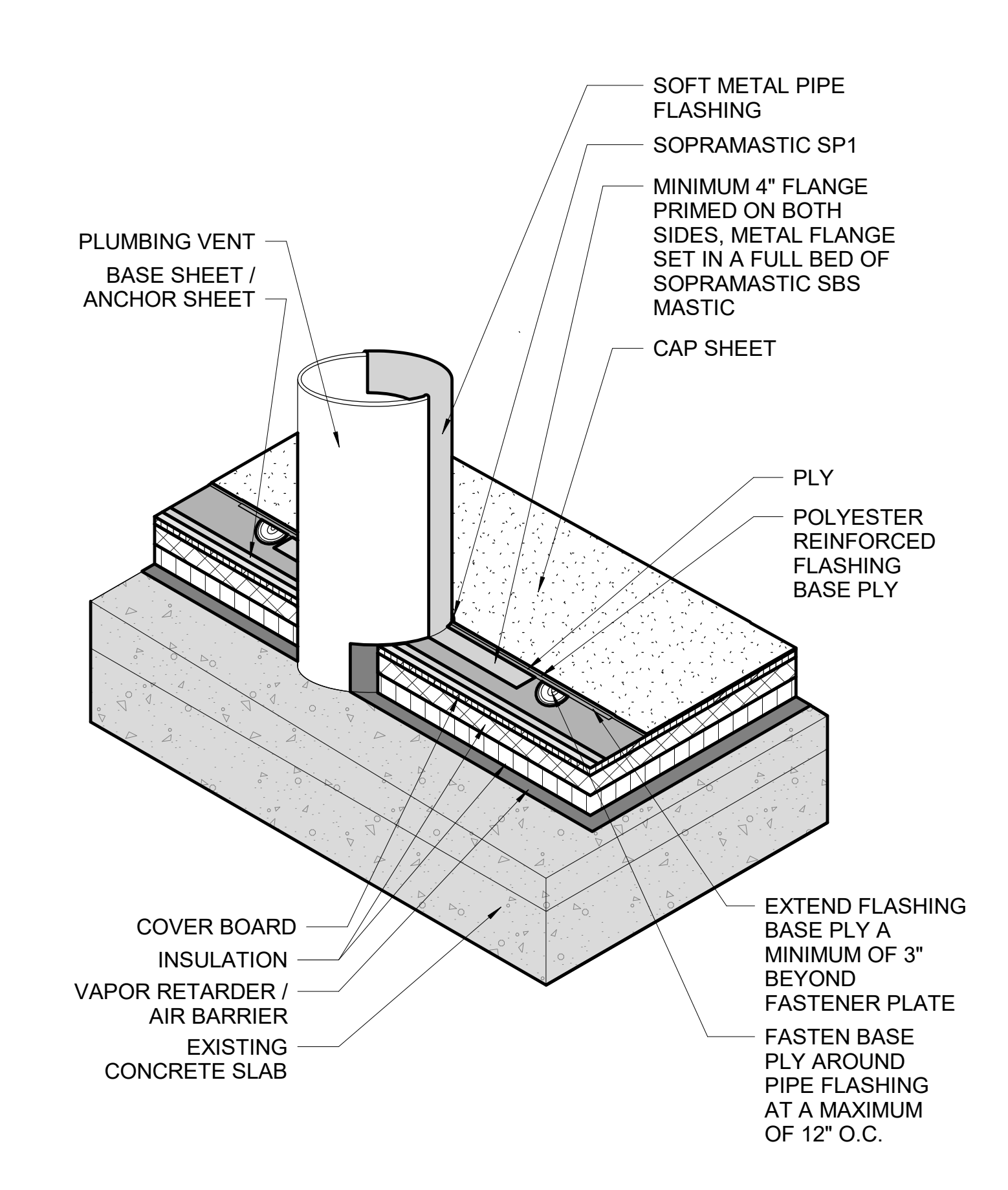
PARCEL ID.: 12-24-31-0000-00-002



NOT USED 12 CONCRETE BALCONY WITH LIQUID APPLIED FLASHING 1" = 1'-0" 09



PENETRATION W/ LIQUID FLASHING 06



PLUMBING VENT 03

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Data Sheet
TrafGuard Roof Walkway Pads
Rubber Roof Walkway Pads

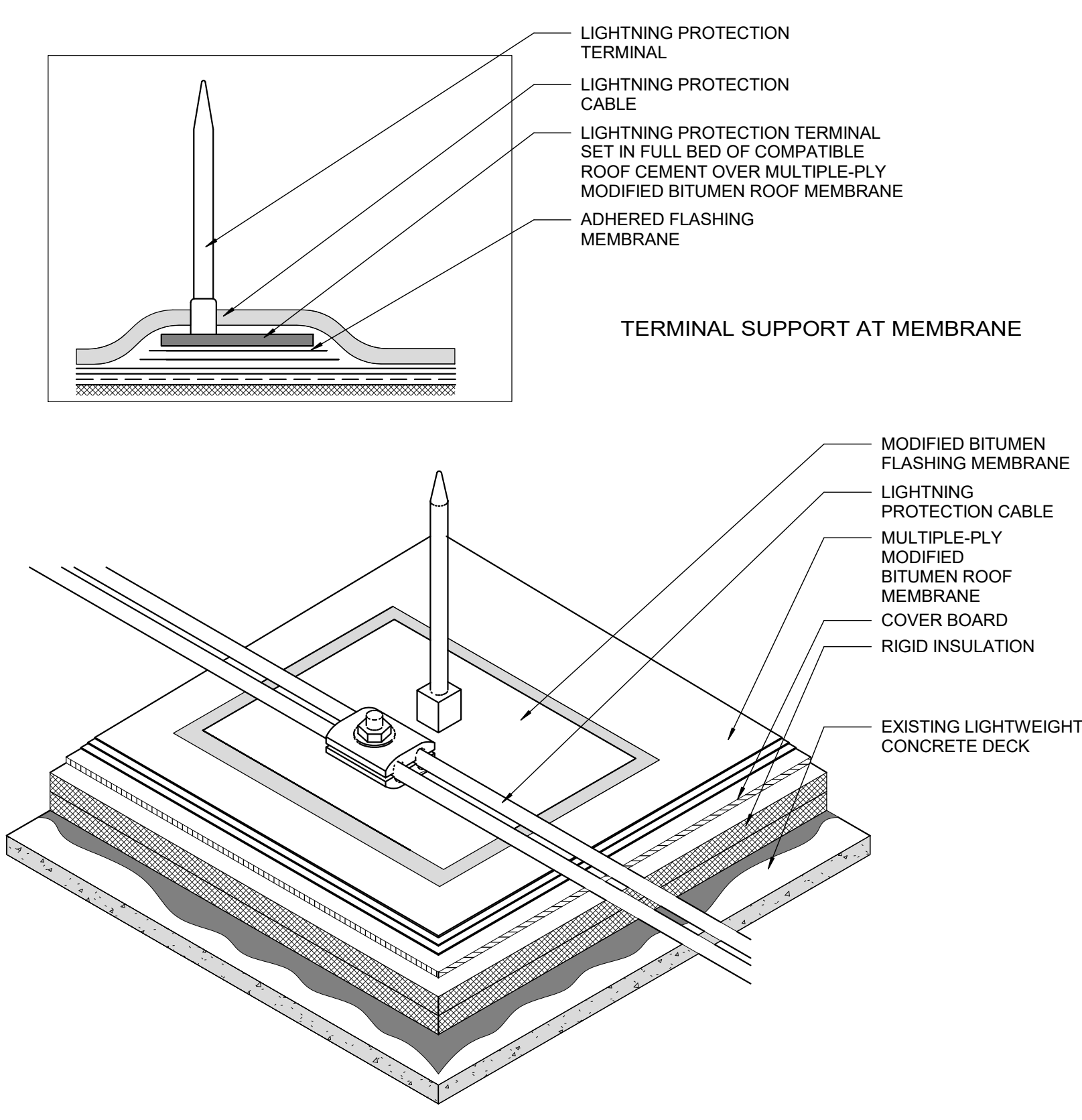
PRODUCT OVERVIEW & FEATURES
TrafGuard Roof Walkway Pads are designed to protect your roof and the crews who work on it.

- Advantages of TrafGuard Roof Walkway Pads include:**
- Easy to use
 - Made from recycled rubber
 - Fast installation
 - Economical
 - Withstand severe weather
 - Excellent traction
 - Diamond design pattern

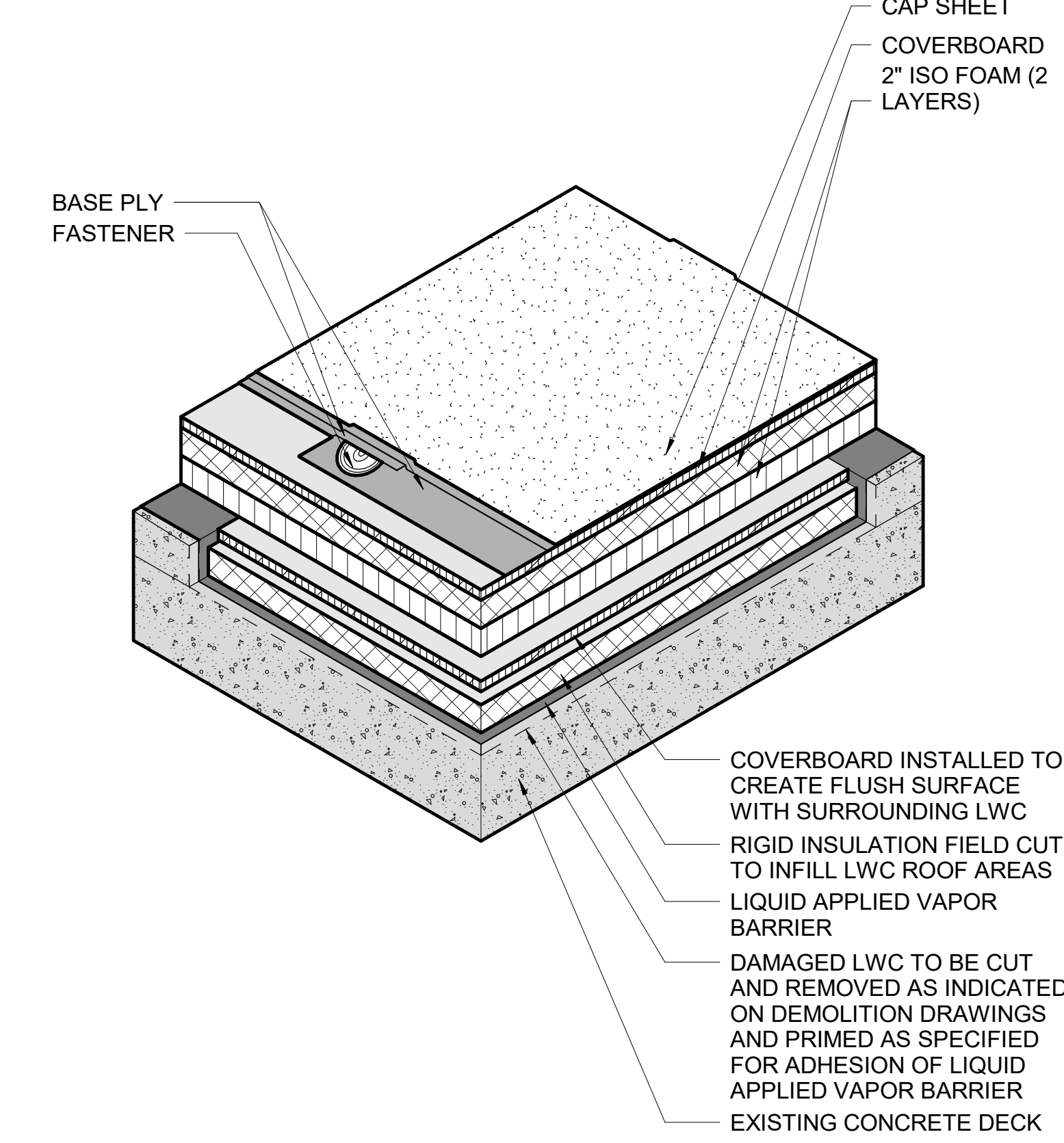


DATA & TESTING

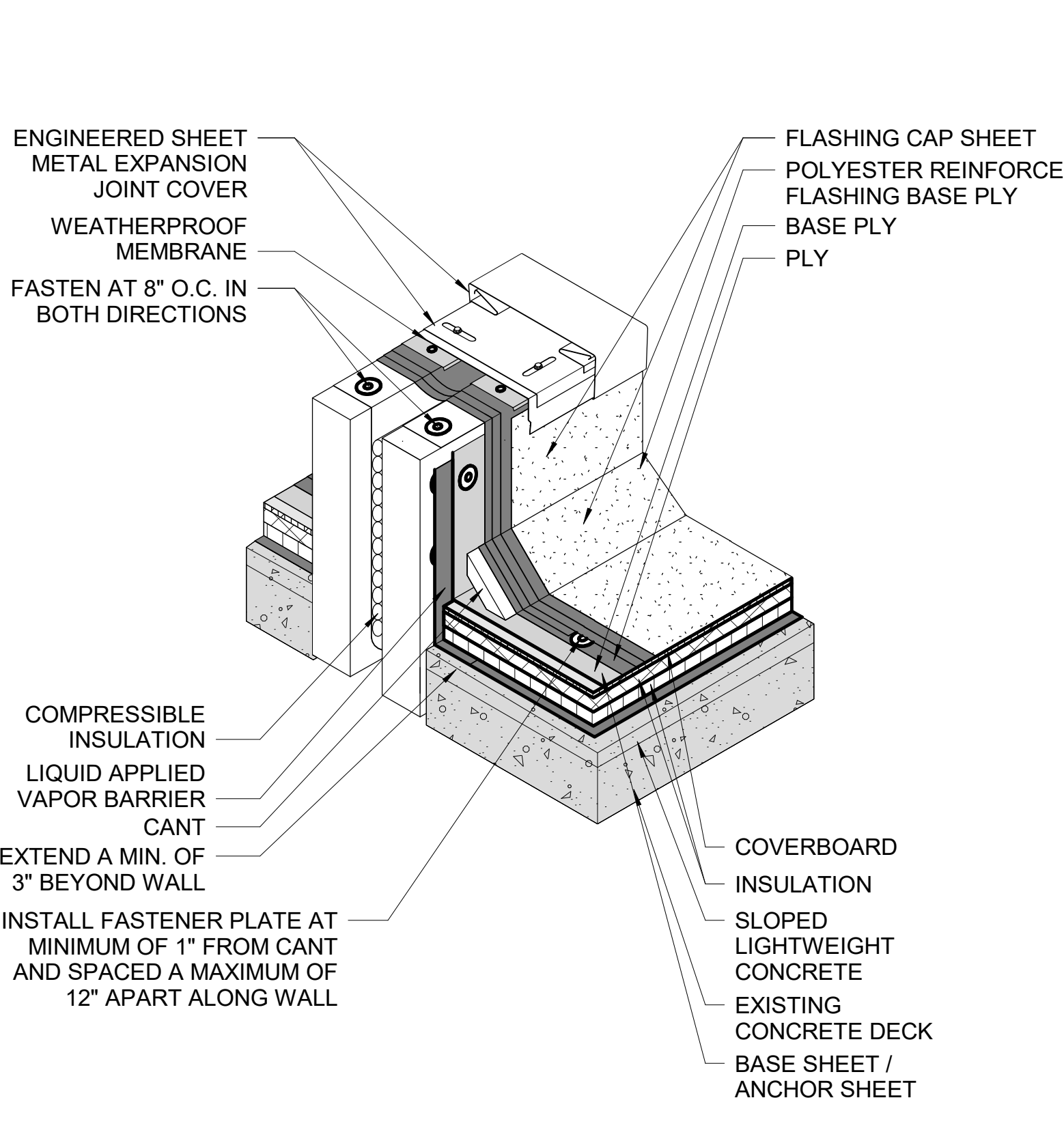
Composition	Recycled Rubber - 97% Carbon Black - 3%
Thickness/Weight (overall)	1/4" (0.25 in) x 1.5 lbs/sq ft 1/2" (0.50 in) x 3.0 lbs/sq ft
Standard Sizes	2'x4' 4'x4' 4'x8'
Surfaces	Flat One Side W/ Mesh Texture, Anti-Slip Surface on opposite side
Color	Black or Dark with flecks of colored recycled rubber
Tensile Strength	300 psi
Flexibility	85 - 94 Shore A
Flammability	Flame Retardant (Meets NFPA 704 Class 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)
Dimensional Stability	+0.02% at 100% RH @ 70°F (21°C) +0.02% at 100% RH @ 80°F (27°C) & 60% RH Humidity +0.02% at 100% RH @ 90°F (32°C) & 40% RH Humidity
Ultimate Elongation	65%
Flame Spread	0.45 (max) on 1/4" thick mat 0.40 (max) on 1/2" thick mat



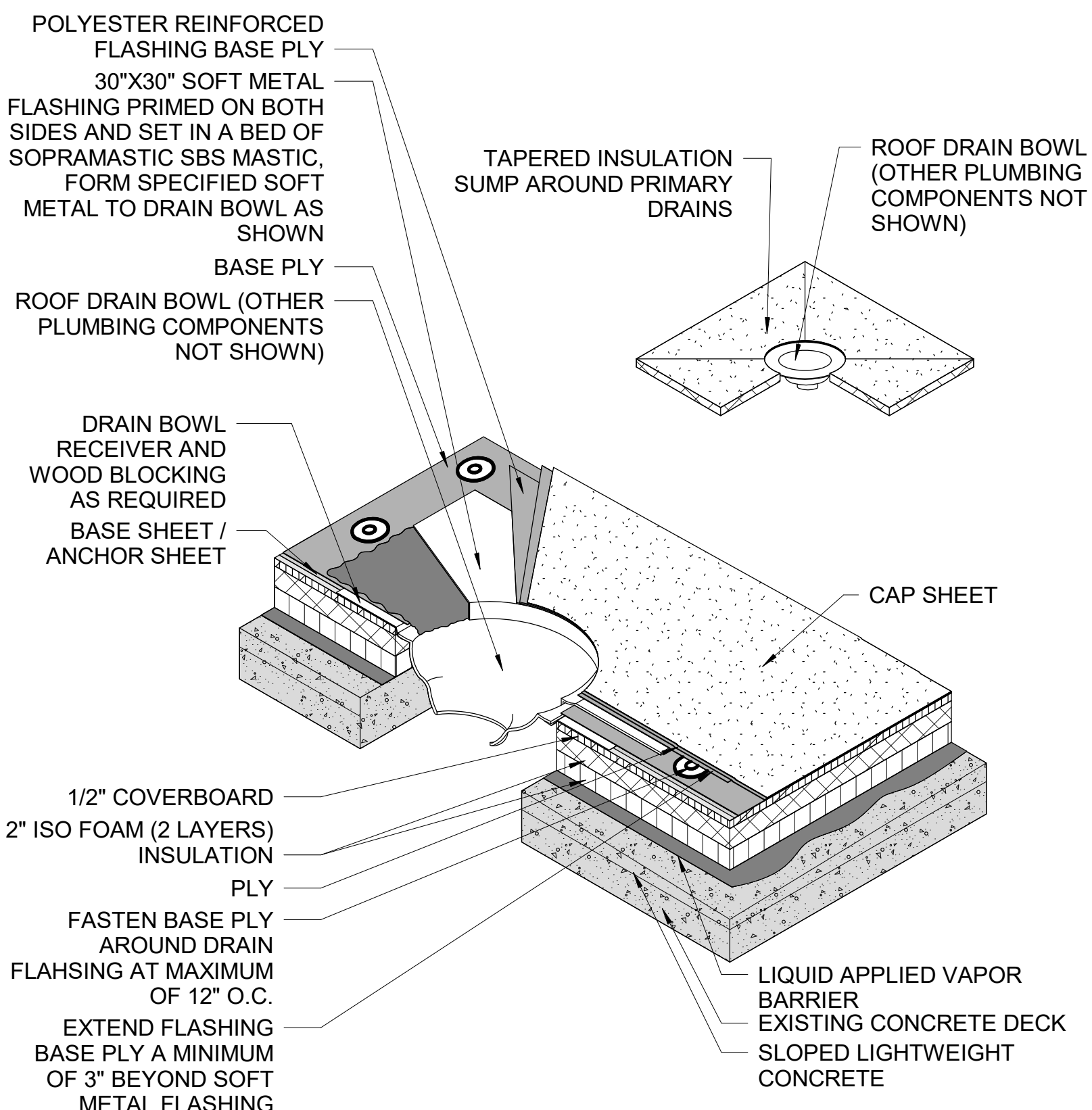
WALKPAD DETAIL 11 LIGHTNING PROTECTION TERMINAL 08



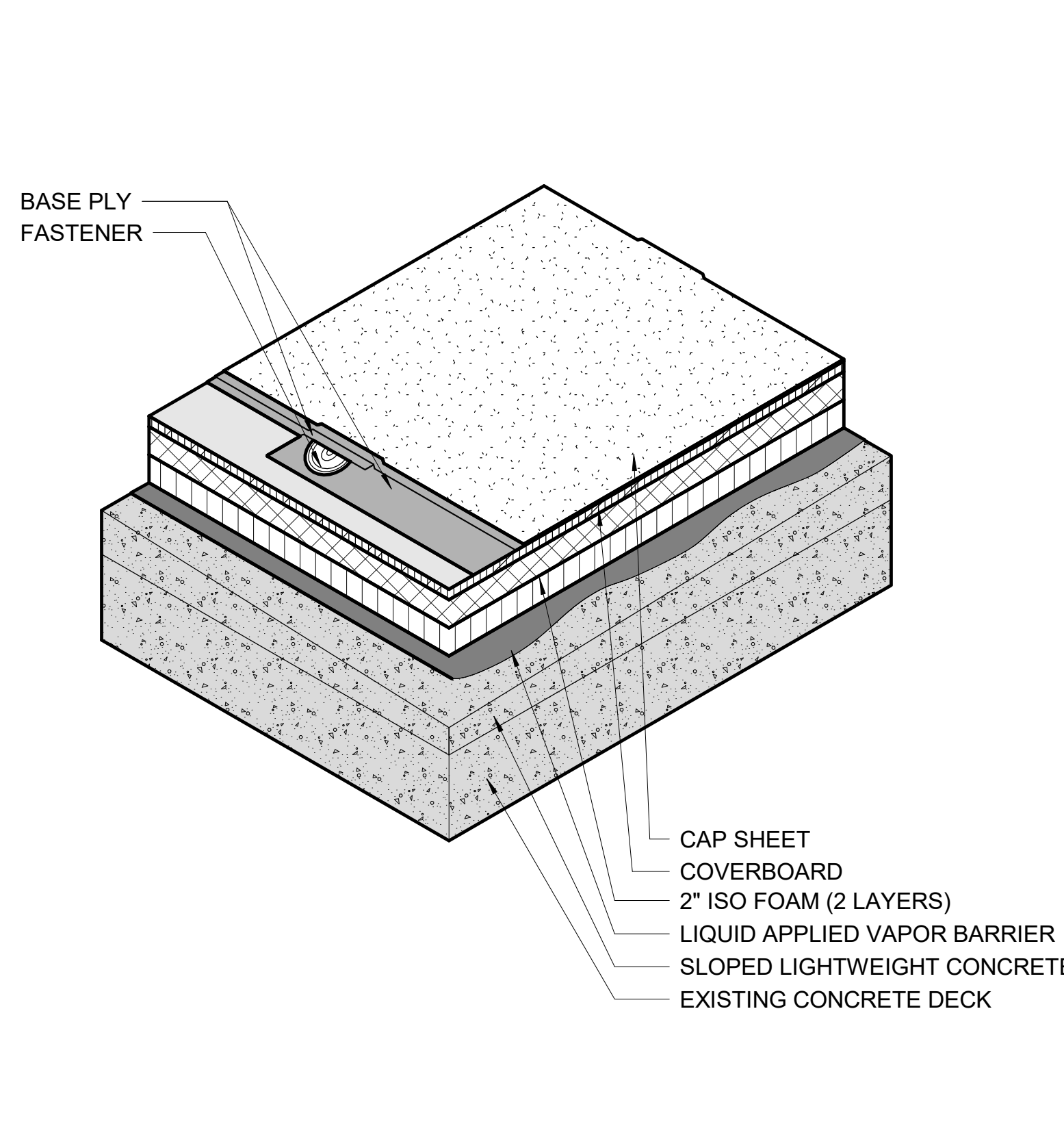
TYP. LWC PATCH 05



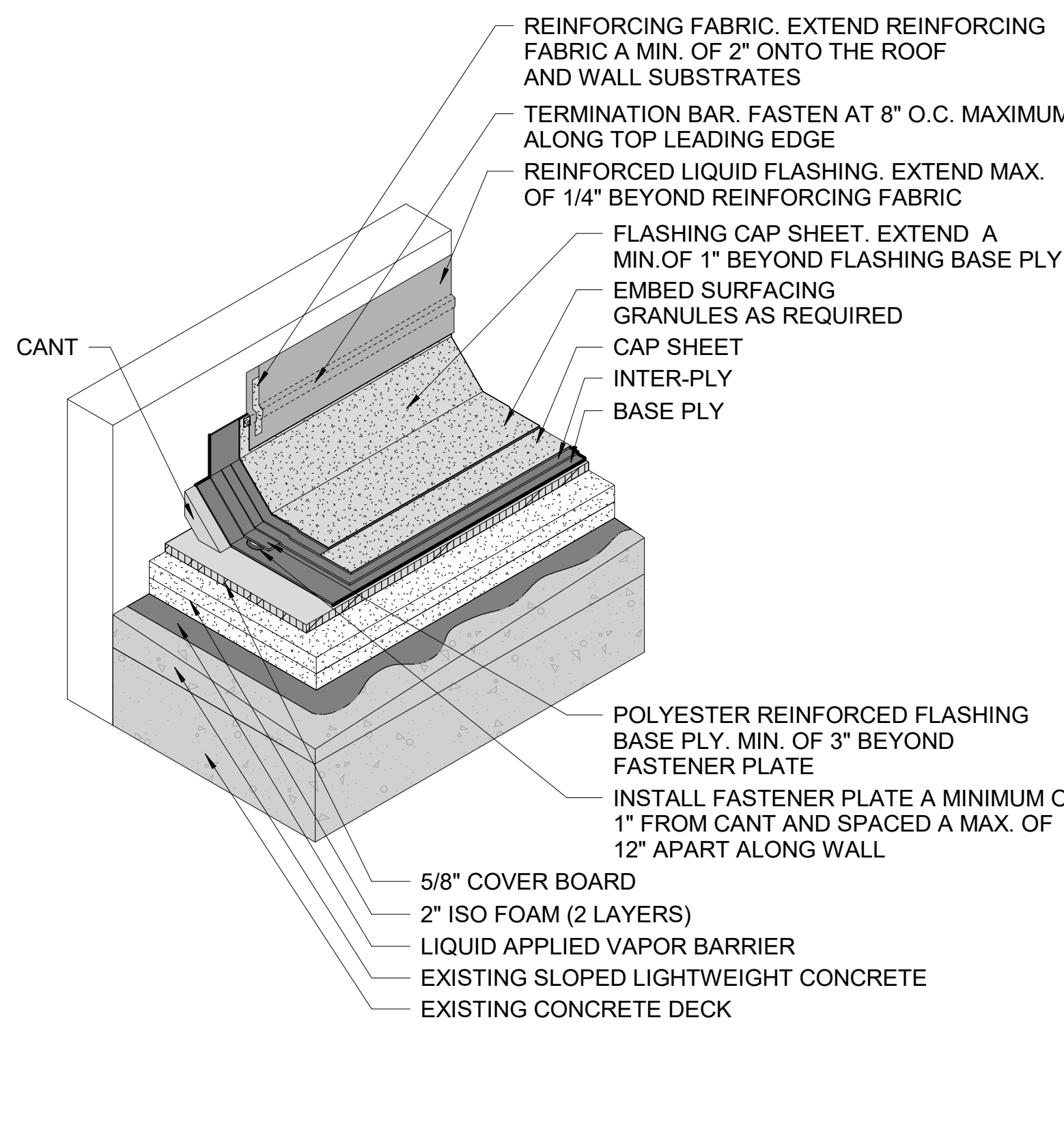
EXPANSION JOINT W/ COPING 02



NOT USED 10 ROOF DRAIN WITH METAL FLASHING 07



TYP. ROOF ASSEMBLY 04



TYP. PARAPET FLASHING 01

- 20) NEW MECHANICAL PIPING. LOCATION TO BE COORDINATED WITH MECH. DRAWINGS.
- 21) SCUPPER DRIP EDGE AT EXPANSION JOINT
- 22) ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING PARAPET WALL. FIELD VERIFY CONDITIONS. (AND OR) ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING DOOR. EXPANSION JOINT JOGS THROUGH BUILDING. FIELD VERIFY CONDITIONS.
- 23) ROOF SADDLE OR CRICKET
- 24) ROOF TO ROOF SCUPPER - SEE DETAILS
- 25) NEW WALKWAY PAD
- 26) HIGH PERFORMANCE COATING TO BE APPLIED
- 27) NEW SPLASH PADS
- 28) EXISTING THROUGH WALL SCUPPER TO REMAIN WITH NEW ROOF MEMBRANE FLASHING AND NEW SPLASH PADS AT SCUPPER BASE.
- 29) NEW FLASHING AT BASE OF SUPPORT FOR EXISTING ELEVATED CONCRETE MECHANICAL ENCLOSURE.
- 30) ROOF VALLEY, TYP.
- 31) UPON APPROVED PULL TEST, INSTALLATION OF A HIGH PERFORMANCE, FLEXIBLE, SEAMLESS, POLYESTER REINFORCED LIQUID APPLIED WATERPROOFING.
- 32) EXISTING ELEVATED MECHANICAL PIPING TO REMAIN AND BE PROTECTED THROUGHOUT CONSTR.
- 33) EXISTING ROOF ACCESS HATCH TO REMAIN. FLASH UP TO HATCH CURB.

NOTES

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
101 E. Central Ave, Orlando, Florida 32801

ISSUE # DATE DESCRIPTION

KMF ARCHITECTS
839 N MAGNOLIA AVE
ORLANDO, FL 32803
#AR93580
KMFARCHITECTS.COM
407.298.1988

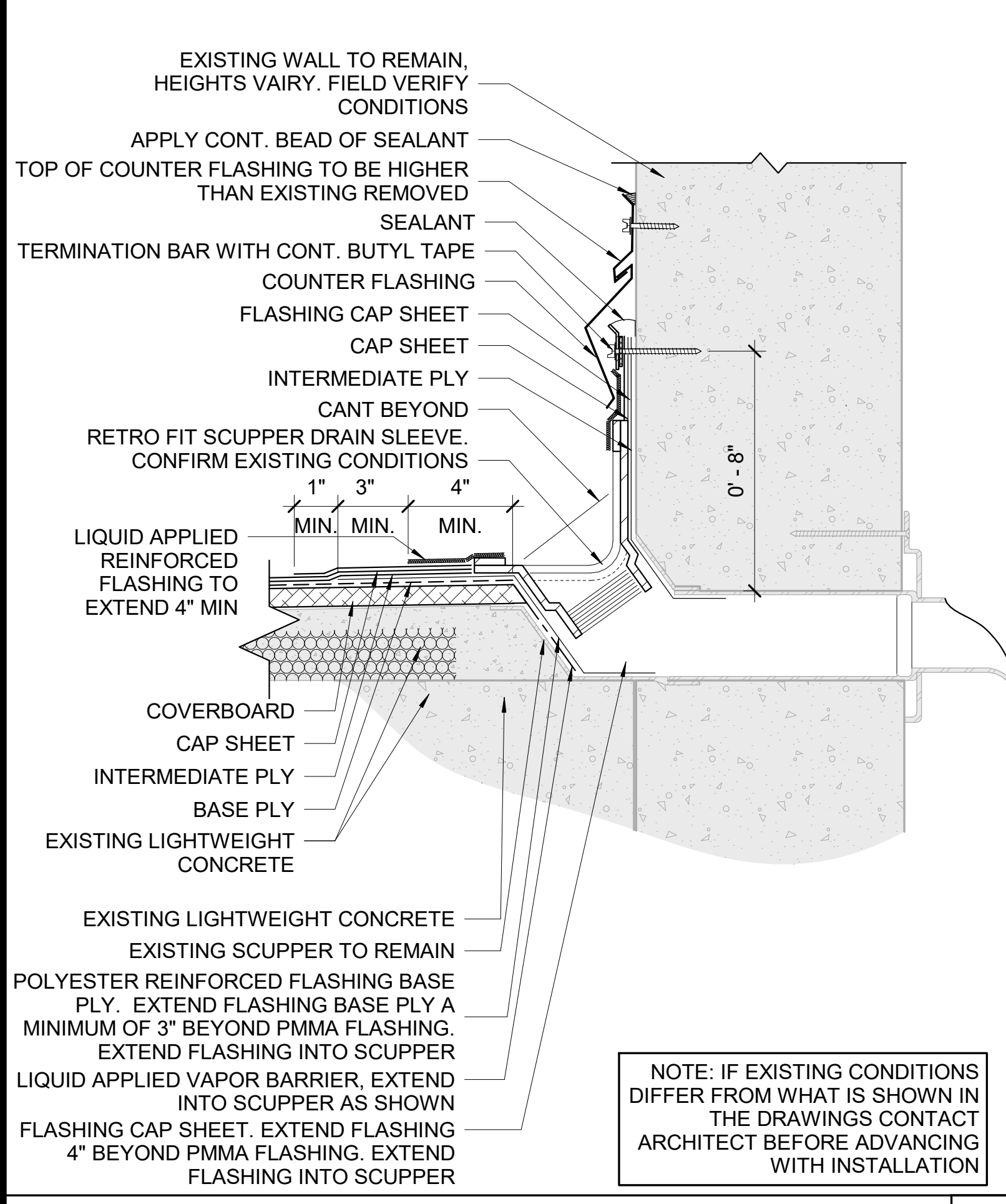
ERIC KLEINSTEUBER
FL LICENSE # AR93580

PROJECT # 2215.03
DATE: 2023.07.20

ROOF DETAILS

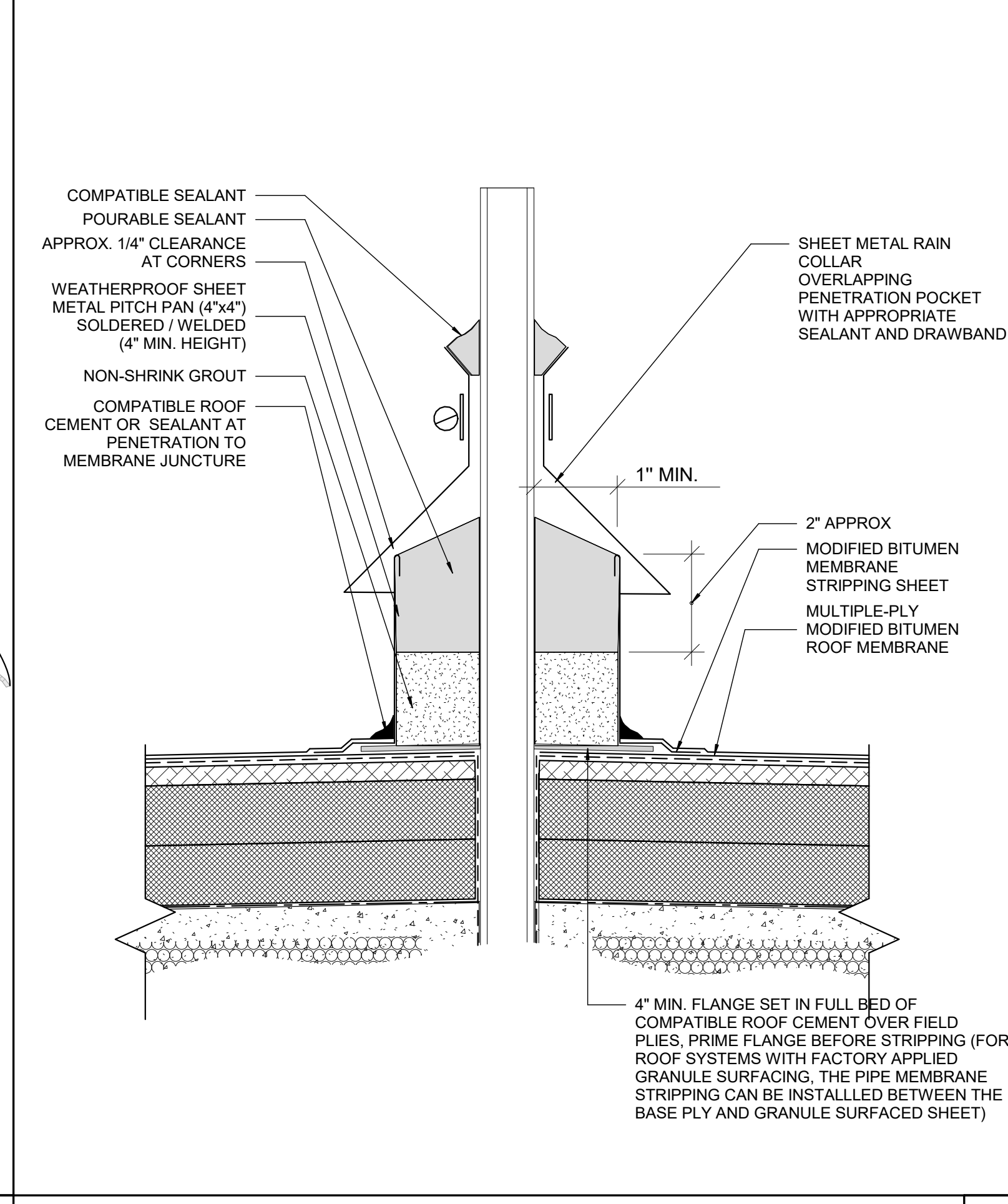
SHEET NUMBER **A.132** ISSUE **100**

PARCEL ID: 12-24-31-0000-00-002

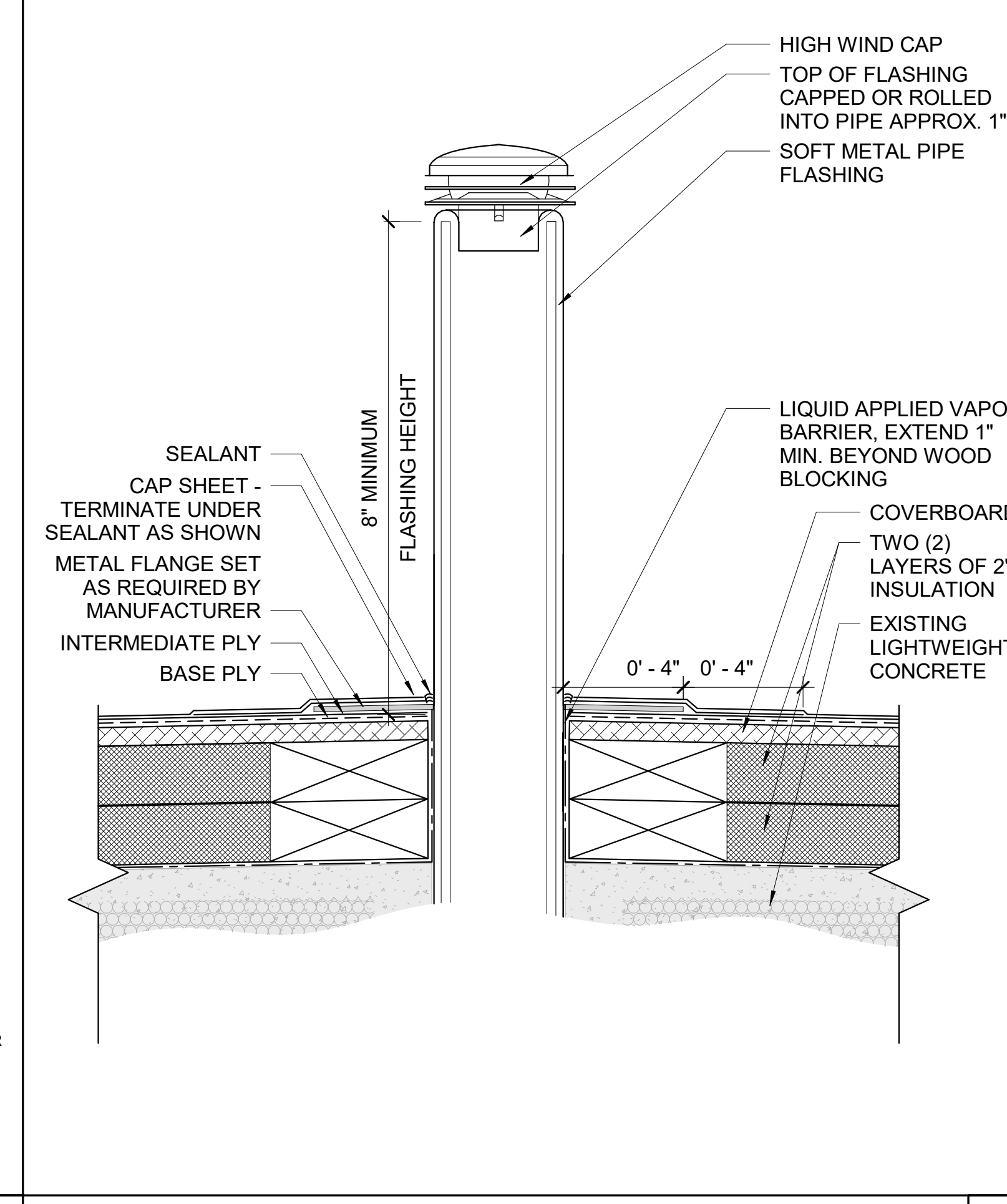


NOTE: IF EXISTING CONDITIONS DIFFER FROM WHAT IS SHOWN IN THE DRAWINGS CONTACT ARCHITECT BEFORE ADVANCING WITH INSTALLATION

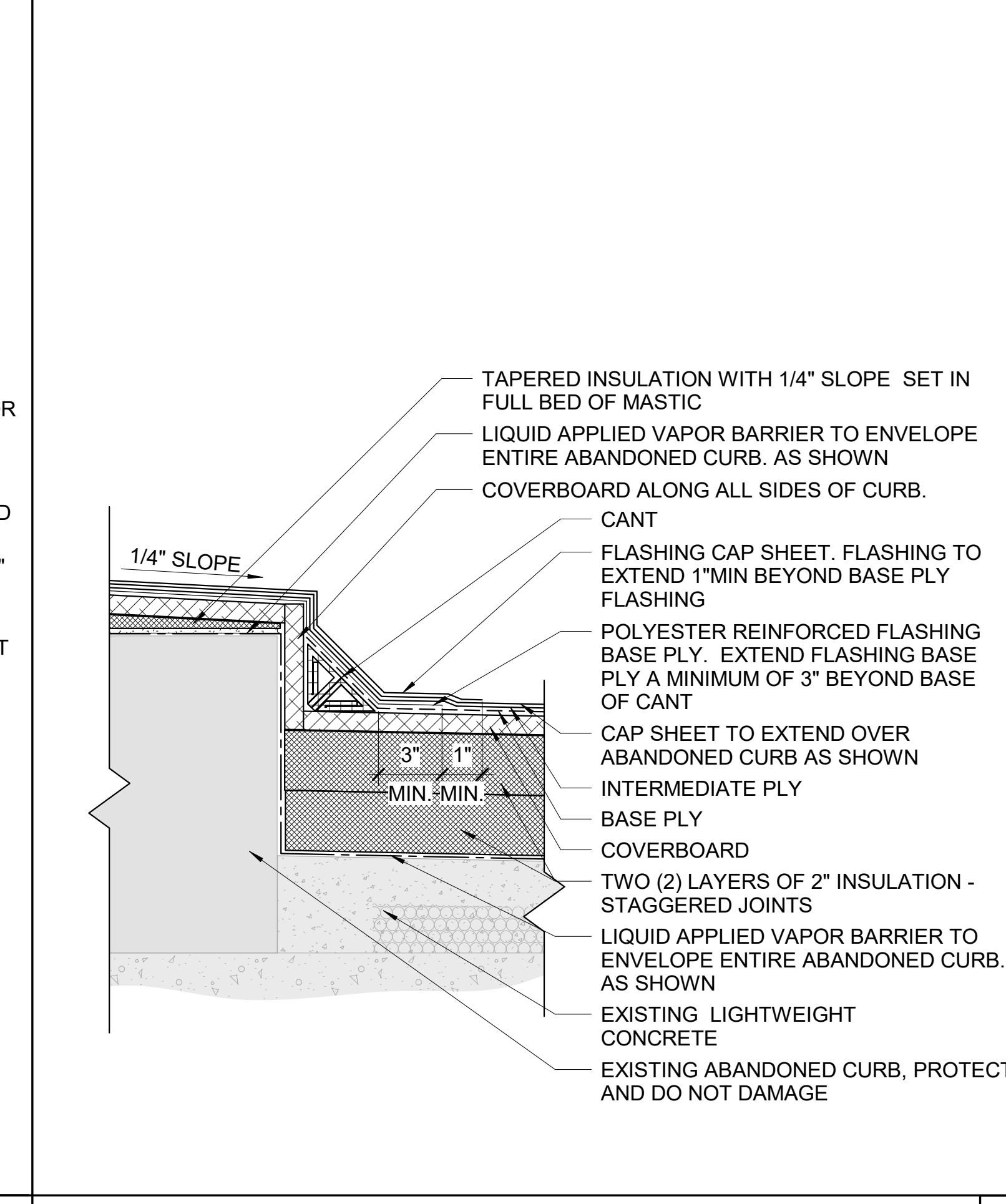
SCUPPER DETAIL WITH GRATE 3" = 1'-0" 12



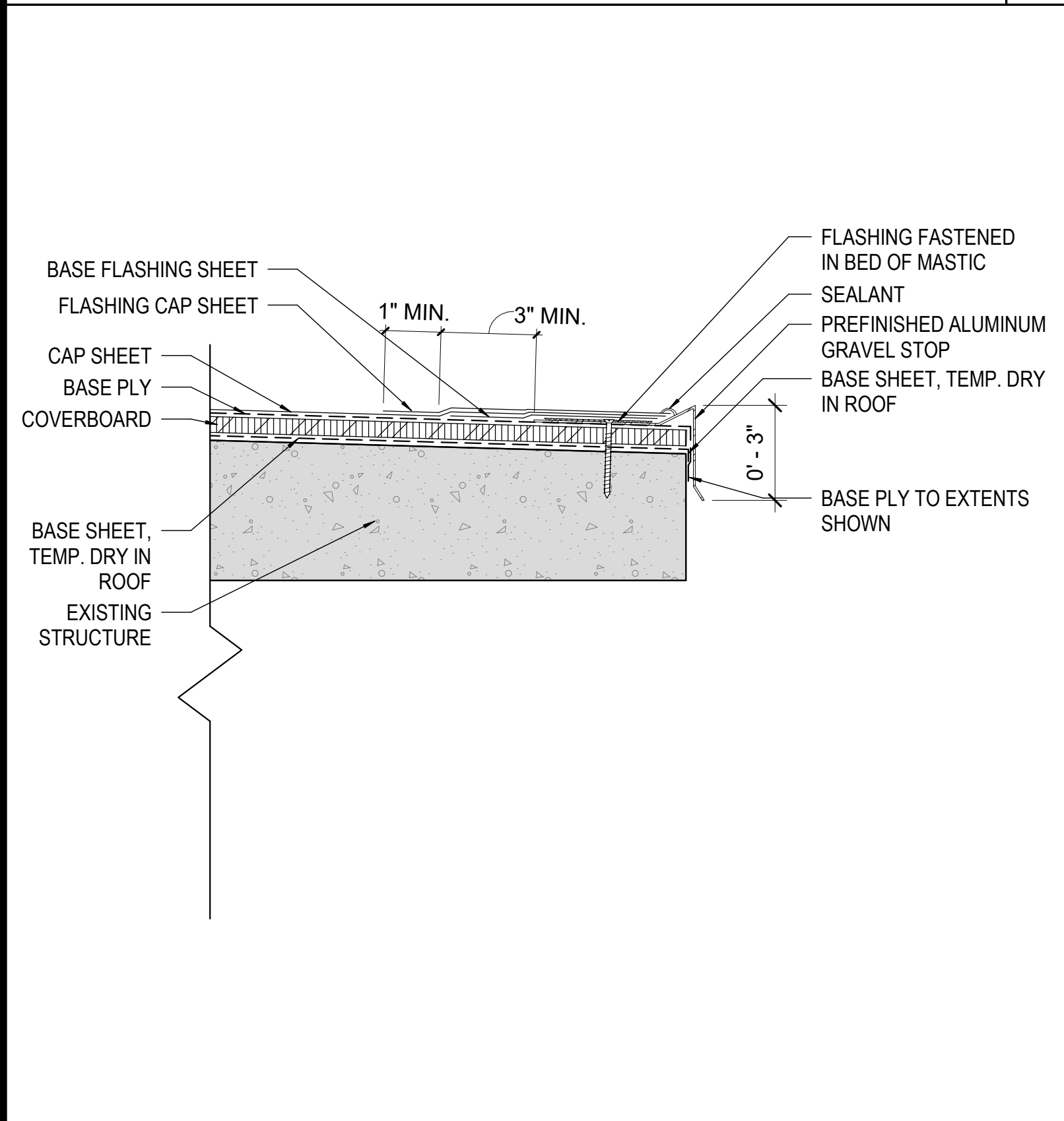
PIPE PENETRATION 3" = 1'-0" 09



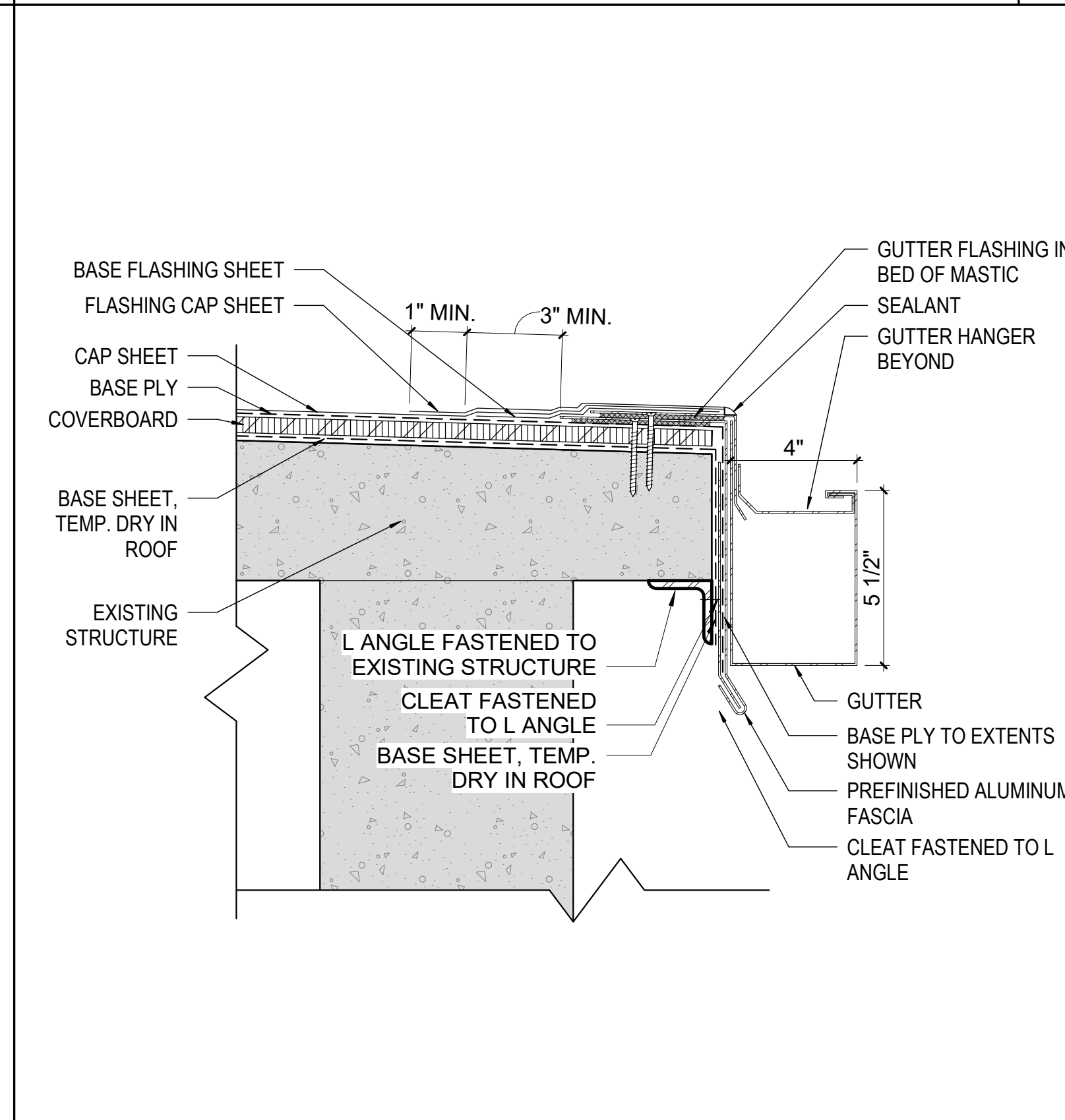
PLUMBING VENT 3" = 1'-0" 06



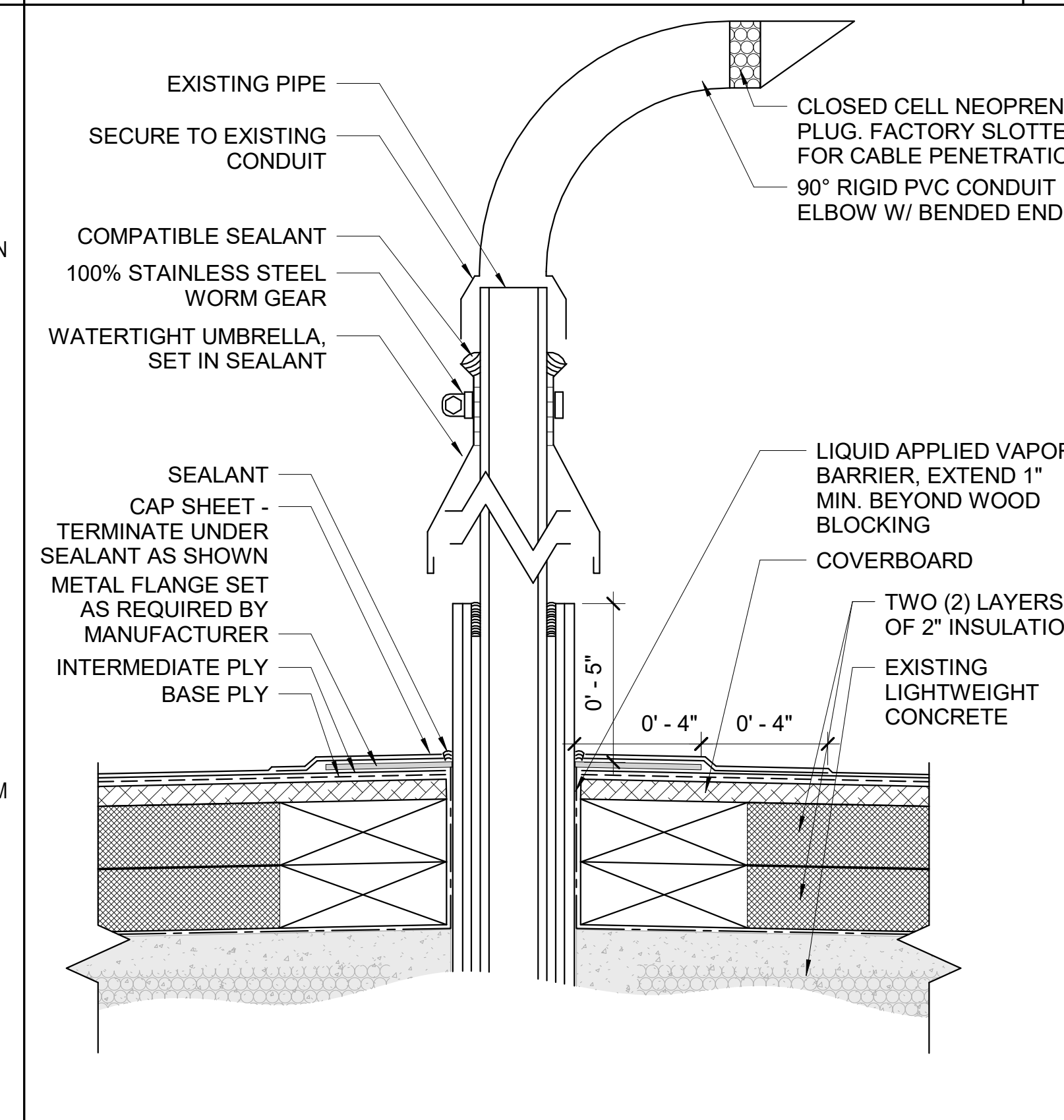
FLASHING AT ABANDONED CURB 3" = 1'-0" 03



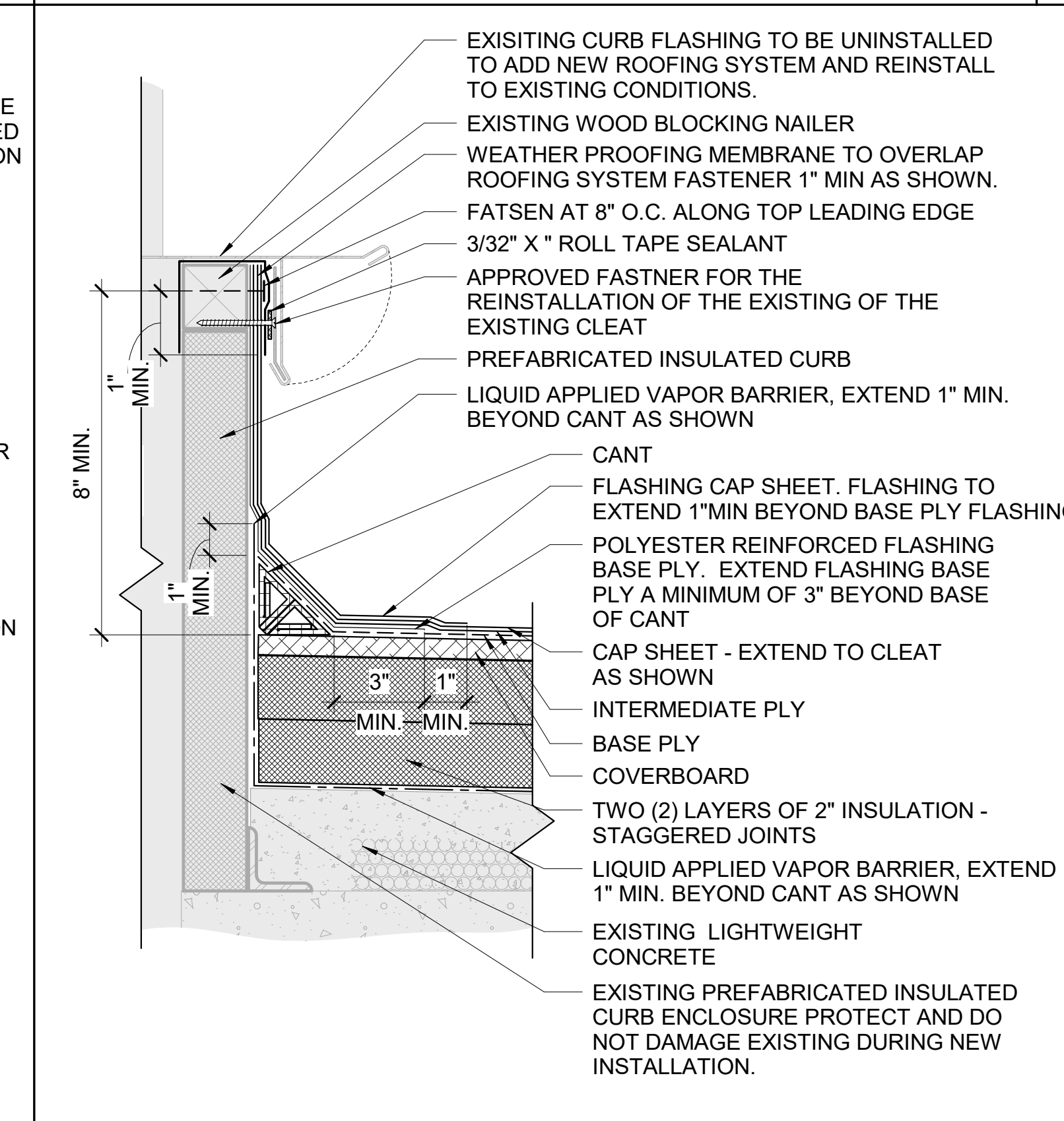
CANOPY FASCIA 3" = 1'-0" 11



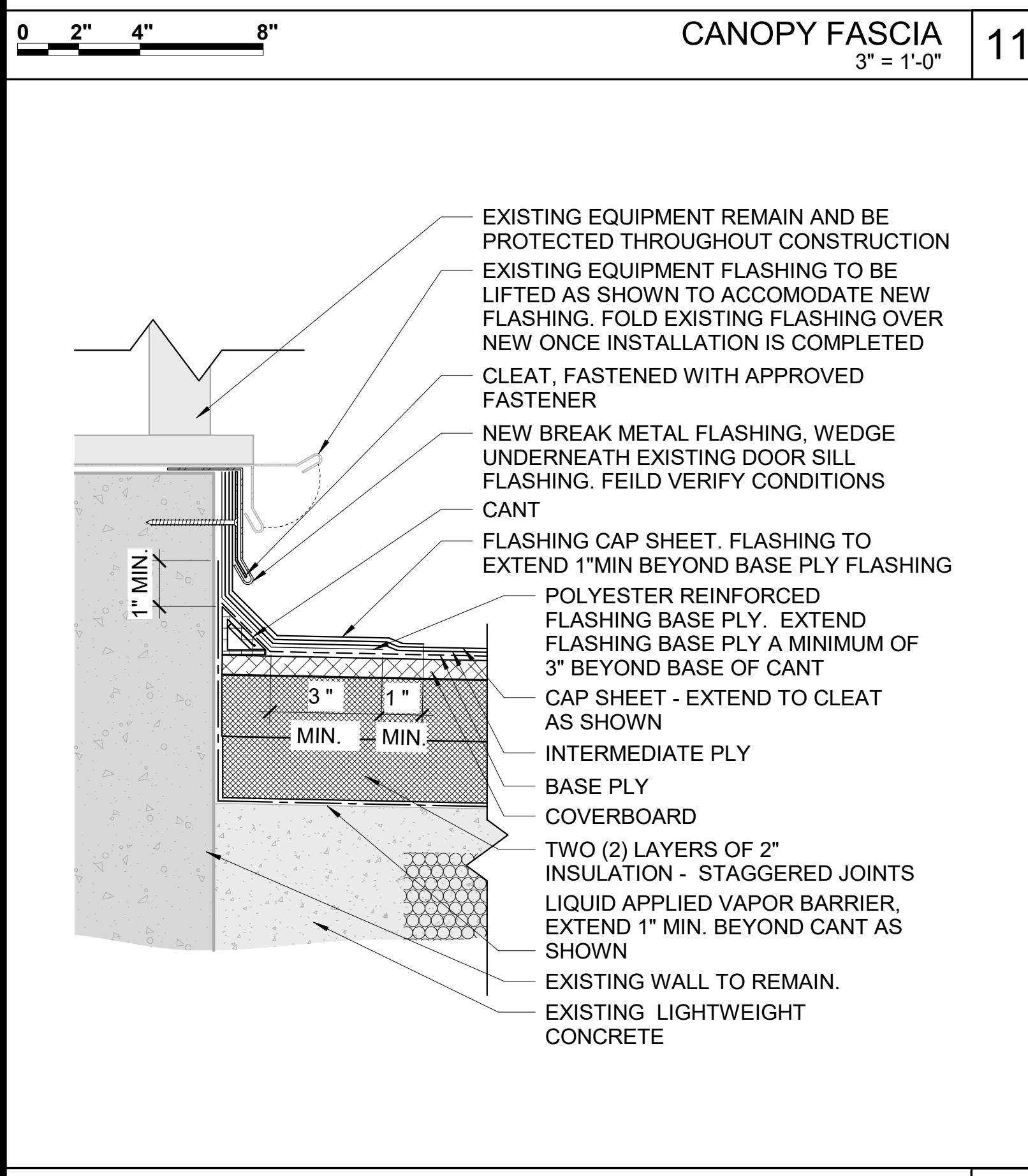
GUTTER DETAIL 3" = 1'-0" 08



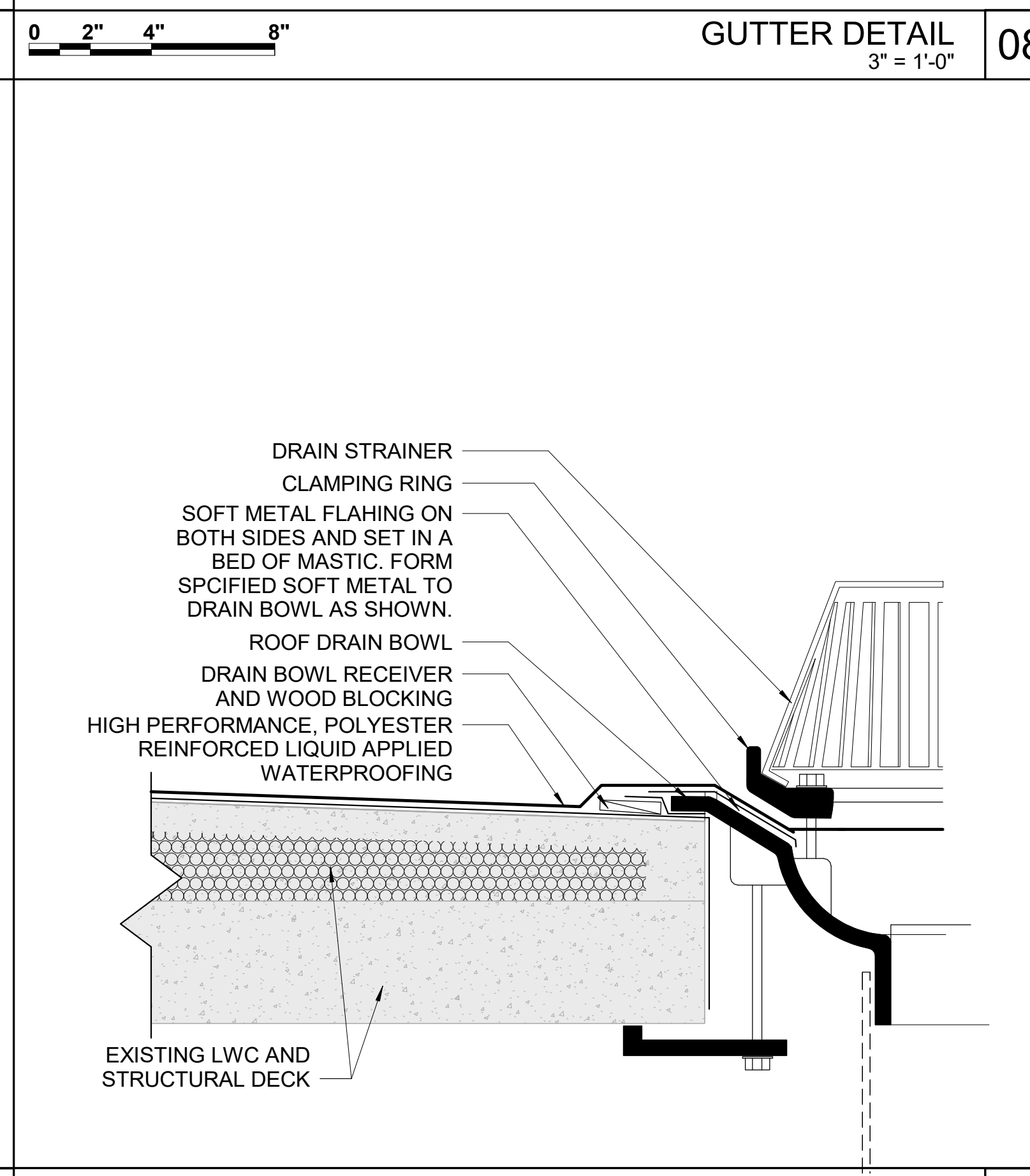
CABLE PENETRATION 3" = 1'-0" 05



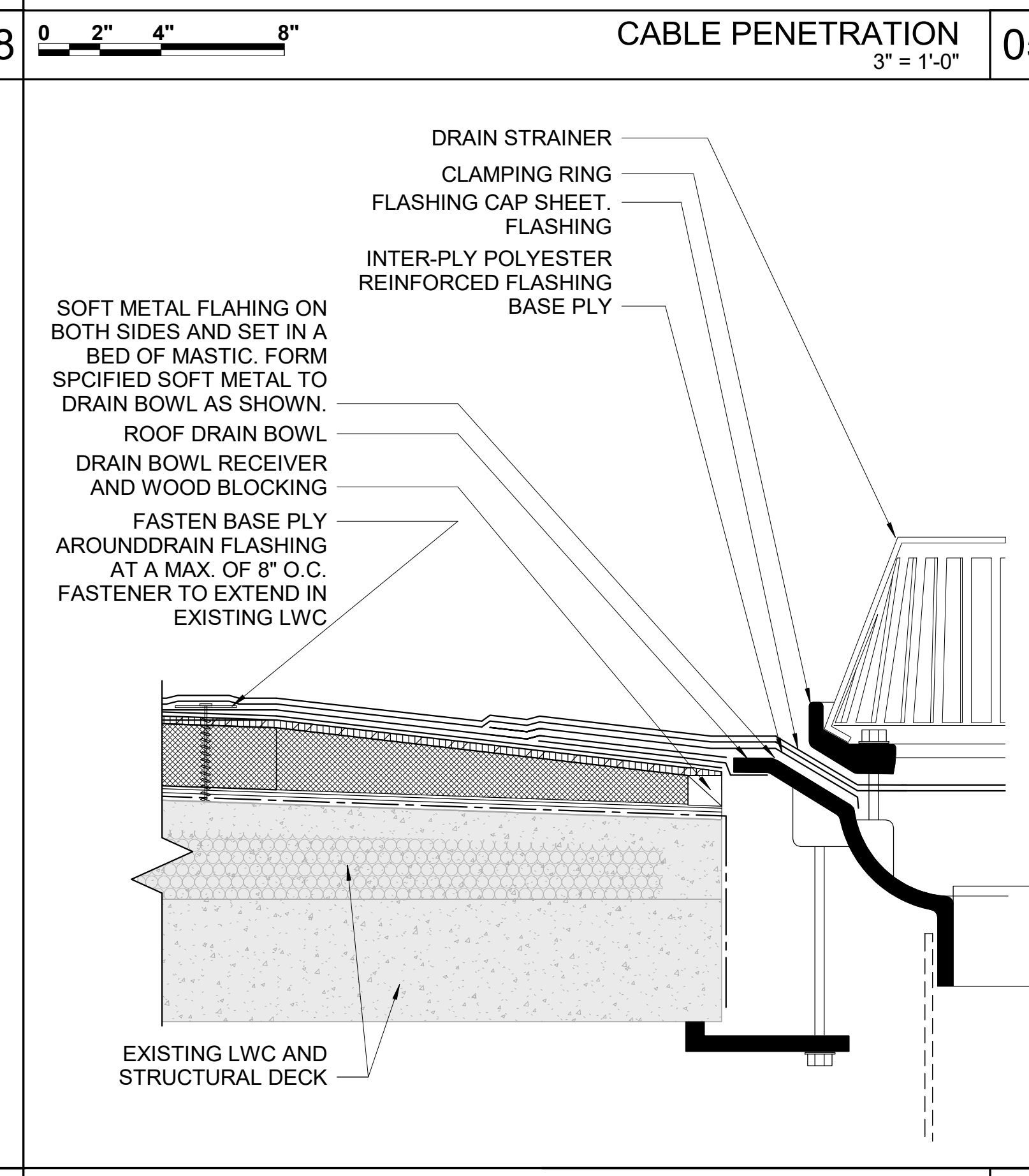
CURB W/ REMOVABLE FLASHING 3" = 1'-0" 02



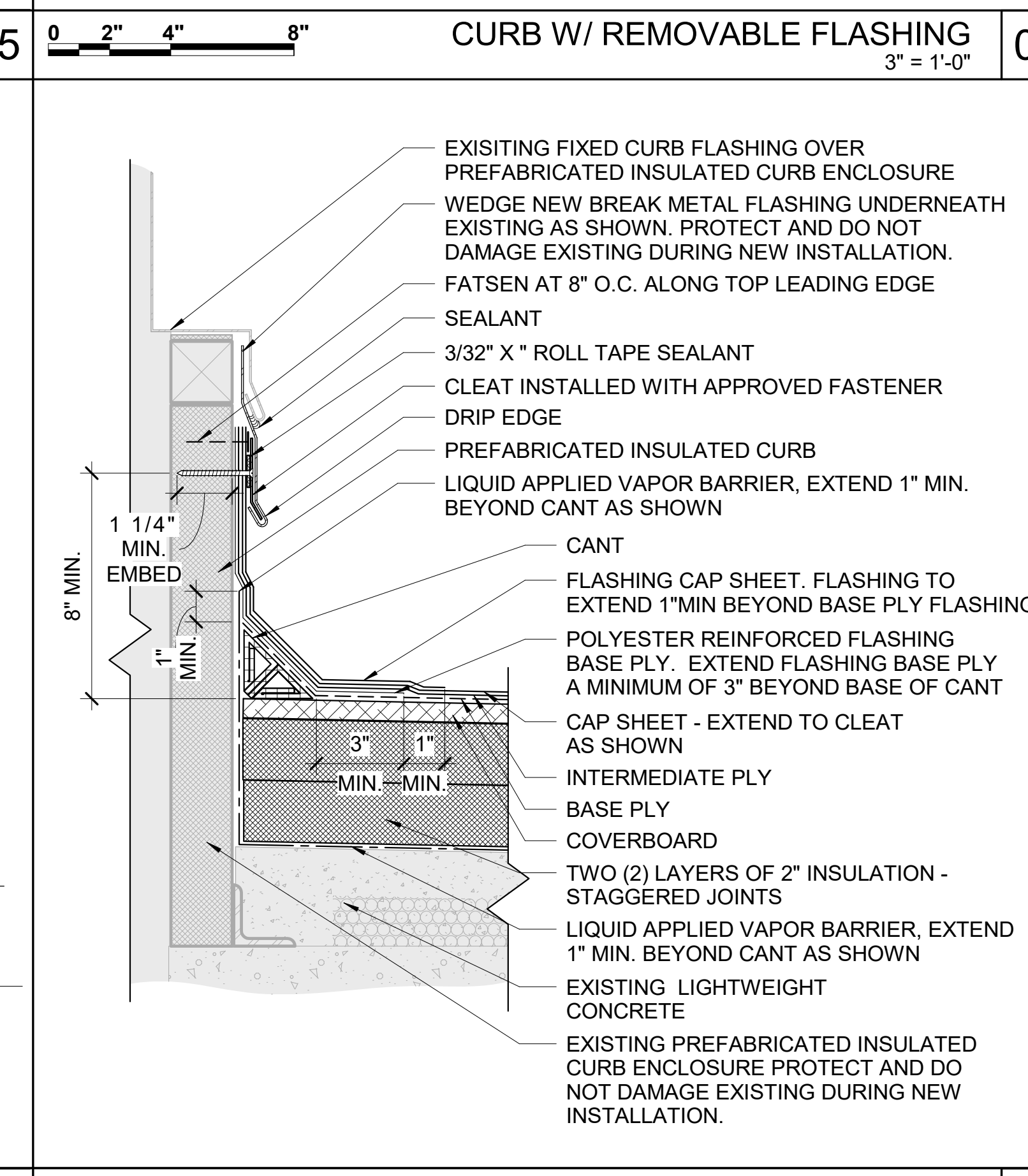
FLASHING AT MECH. EQUIPMENT 3" = 1'-0" 10



ROOF DRAIN DETAIL AT CANOPY 3" = 1'-0" 07



ROOF DRAIN DETAIL 3" = 1'-0" 04



CURB W/ FIXED FLASHING 3" = 1'-0" 01

- GENERAL NOTES**
- EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
 - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS-SITE PRIOR TO COMMENCING WORK; ALL INQUIRES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
 - ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
 - PROVIDE ALL CONSTRUCTION ROOF EDGE GUARDS & WARNING SIGNAGE IN COMPLIANCE WITH FLORIDA BUILDING CODE.
 - CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
 - PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
 - DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
 - PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
 - PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS.
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- NEW MODIFIED BITUMEN MEMBRANE ROOFING - SLOPE 1/4" PER FOOT MINIMUM. UNLESS NOTED OTHERWISE, NEW ROOFING TO BE R25 WITH TWO LAYERS OF 2 INCH. INSULATION MINIMUM.
 - NEW ROOF DRAIN - SEE DETAIL
 - THRU WALL SCUPPER DRIP EDGE - SEE DETAIL
 - PLUMBING VENT - SEE DETAIL
 - THRU ROOF STEEL PIPE
 - LIGHTNING GROUND WIRE THRU ROOF. ARCHITECT HAS MADE BEST EFFORTS TO LOCATE ALL PENETRATIONS. CONTRACTOR SHALL INCLUDE EACH ADDITIONAL PENETRATIONS IN THE BASE BID TO FLASH PENETRATIONS NOT SHOWN. COORDINATE WITH ELECTRICAL DRAWINGS.
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 - WALL FLASHING
 - PROVIDE CUSTOM FABRICATED ROOF EDGE TO FASCIA/GRAVEL STOP TYPE TRANSITION. SUBMIT SHOP DRAWING FOR REVIEW.
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 - MECHANICAL EQUIPMENT CURB FLASHING
 - CONDENSER WALL SUPPORTS
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 - SCUPPER DRIP EDGE AT EXPANSION JOINT
 - ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING PARAPET WALL, FIELD VERIFY CONDITIONS. (AND OR) ROOF TO WALL EXPANSION JOINT TERMINATION AT EXISTING DOOR, EXPANSION JOINT JOGS THROUGH BUILDING, FIELD VERIFY CONDITIONS.
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ISSUE # DATE DESCRIPTION

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
 101 E. Central Ave, Orlando, Florida 32801

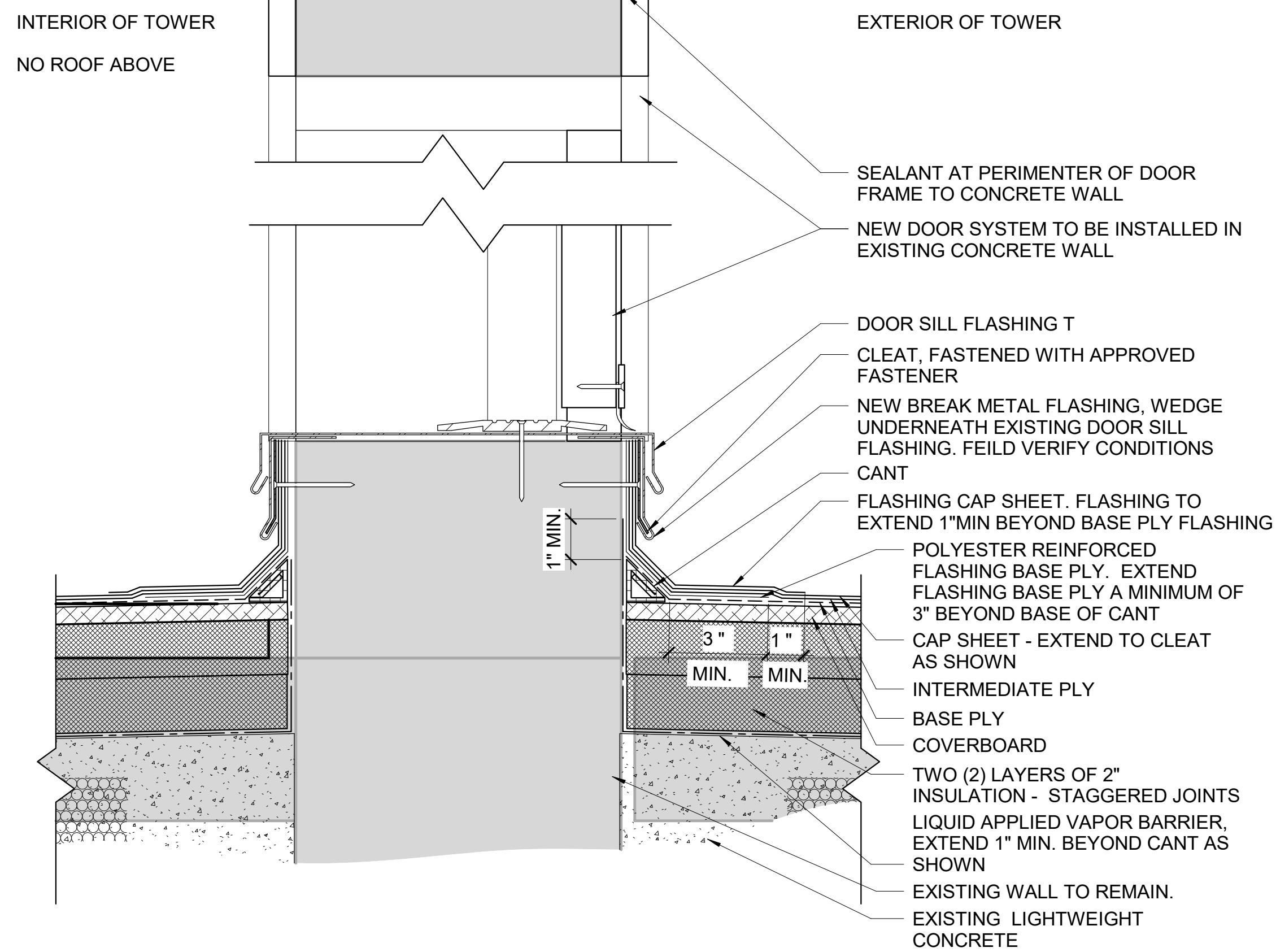
KMF ARCHITECTS
 839 N MAGNOLIA AVE
 ORLANDO, FL 32803
 #AR93580
 KMFARCHITECTS.COM
 407.298.1988

PROJECT # 2215.03
 DATE: 2023.07.20

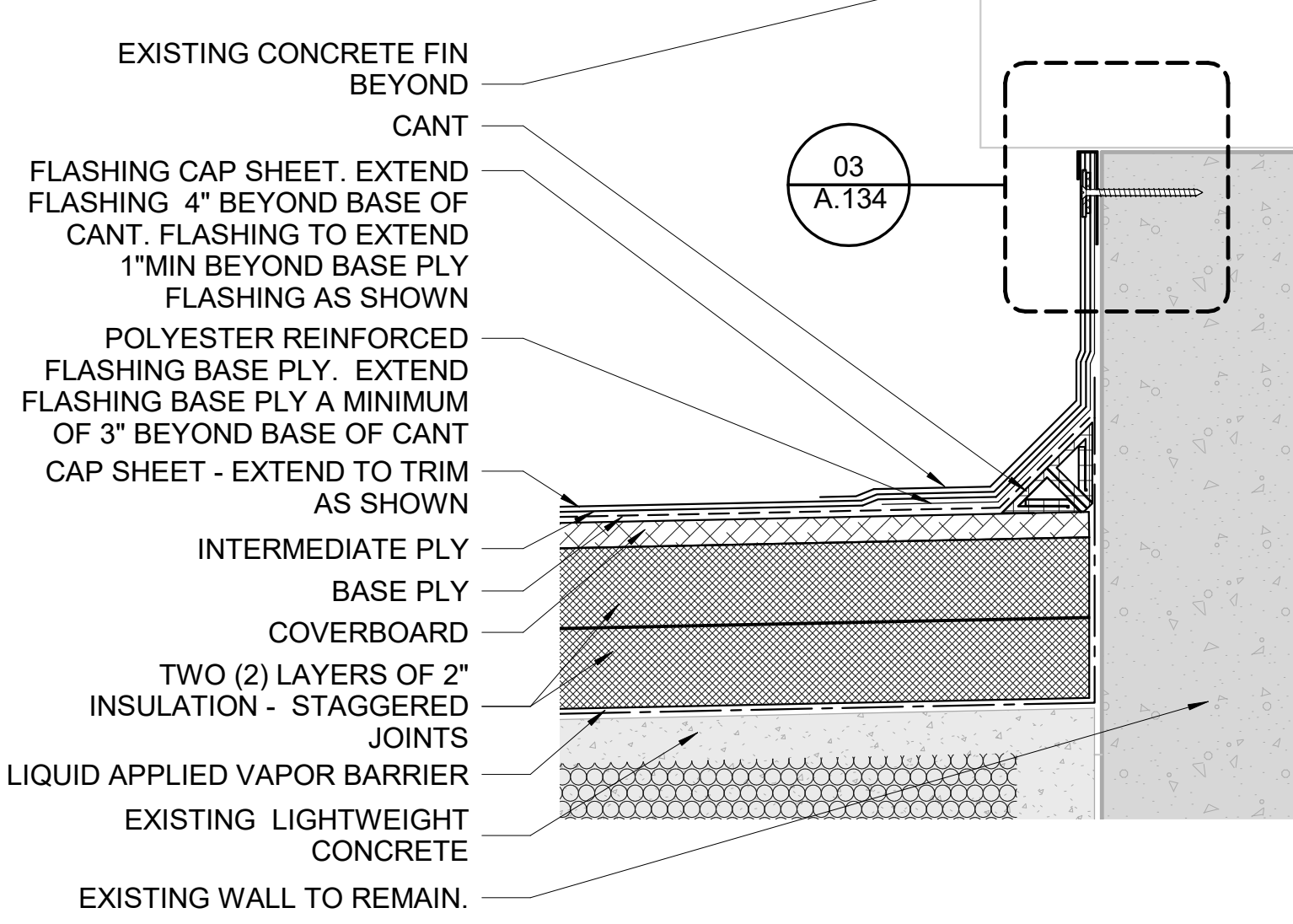
ROOF DETAILS

SHEET NUMBER **A.133** ISSUE **100**

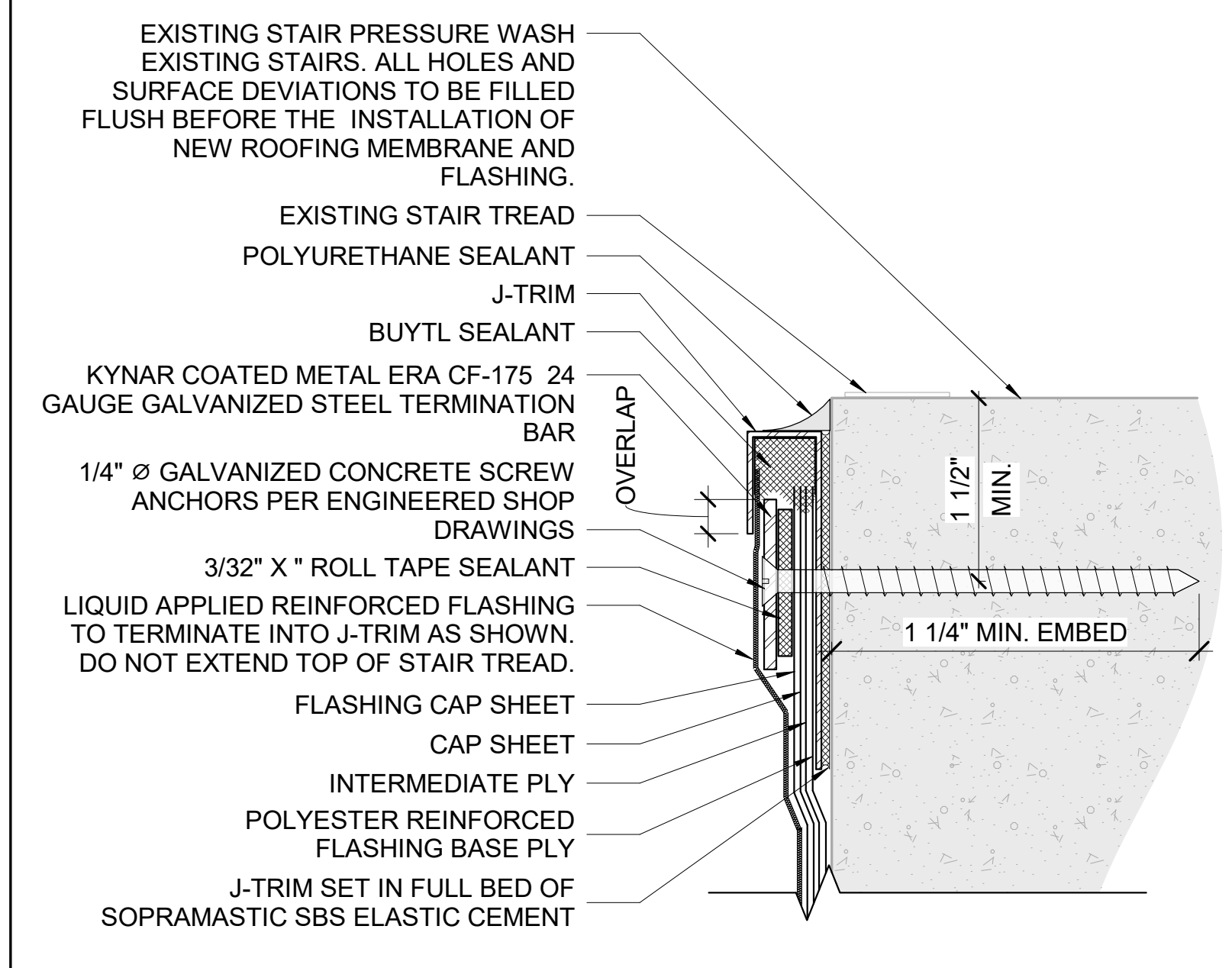
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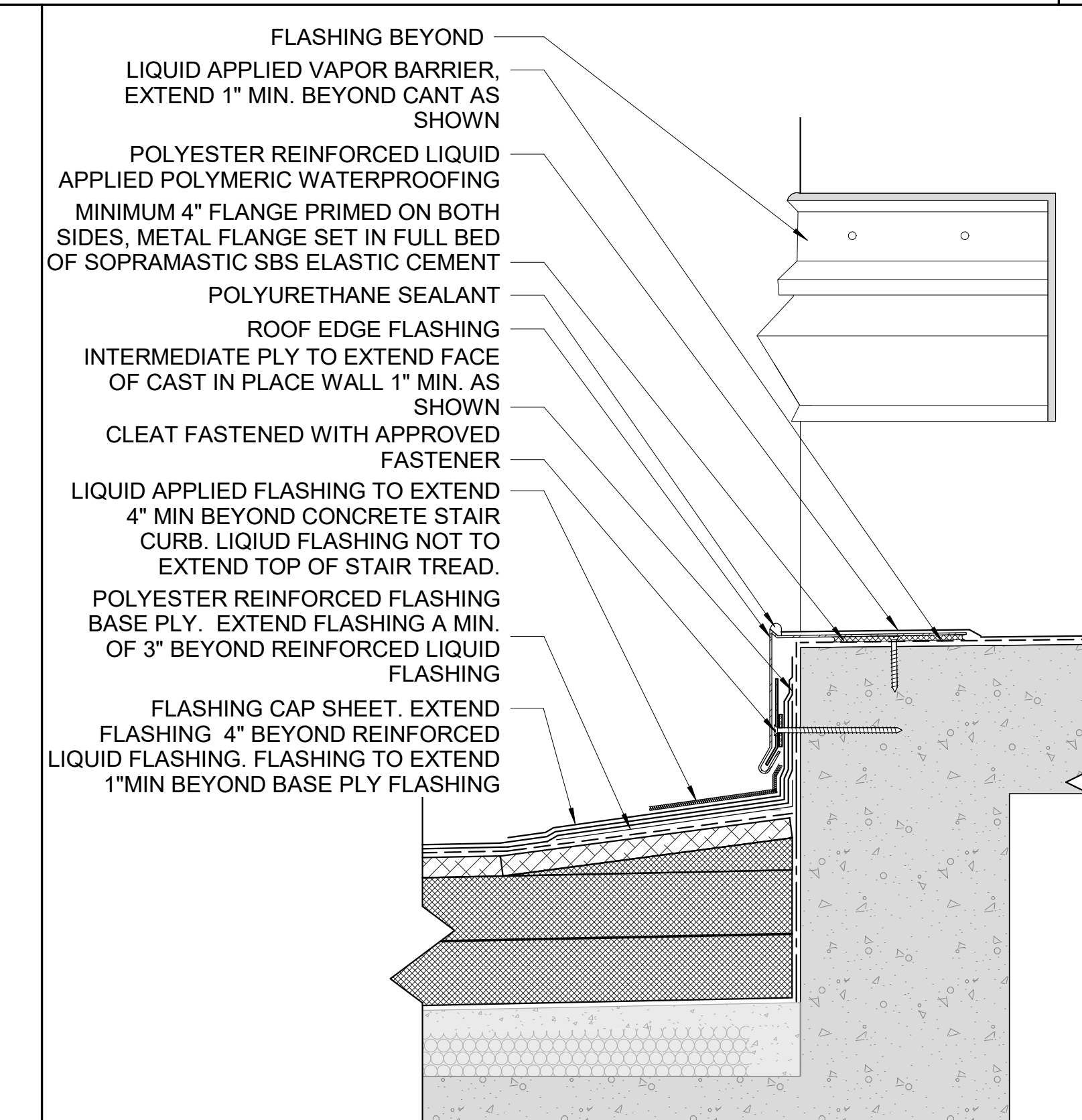
NEW ACCESS DOOR
3" = 1'-0"



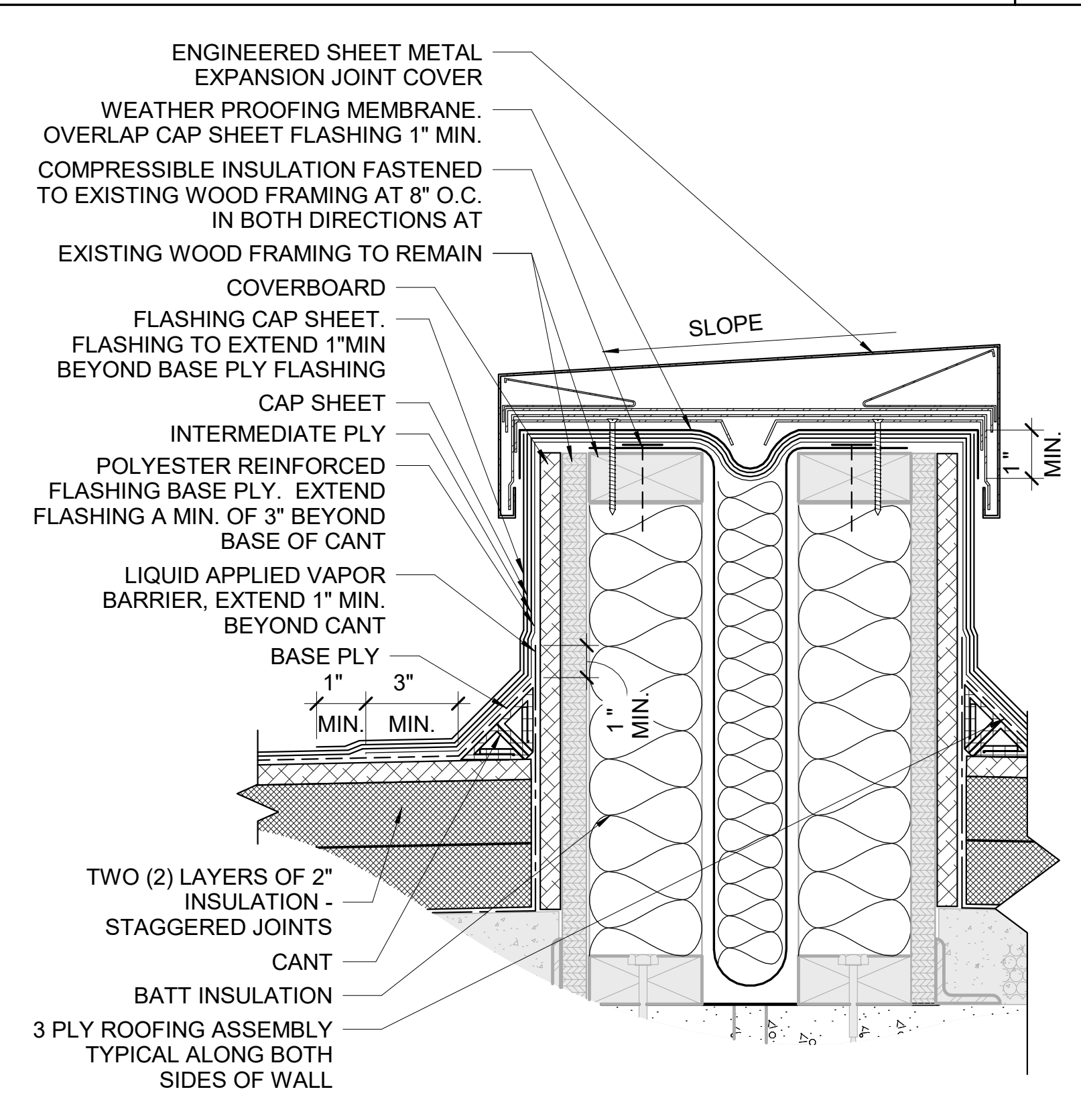
EDGE @ ENTRANCE CANOPY
3" = 1'-0"



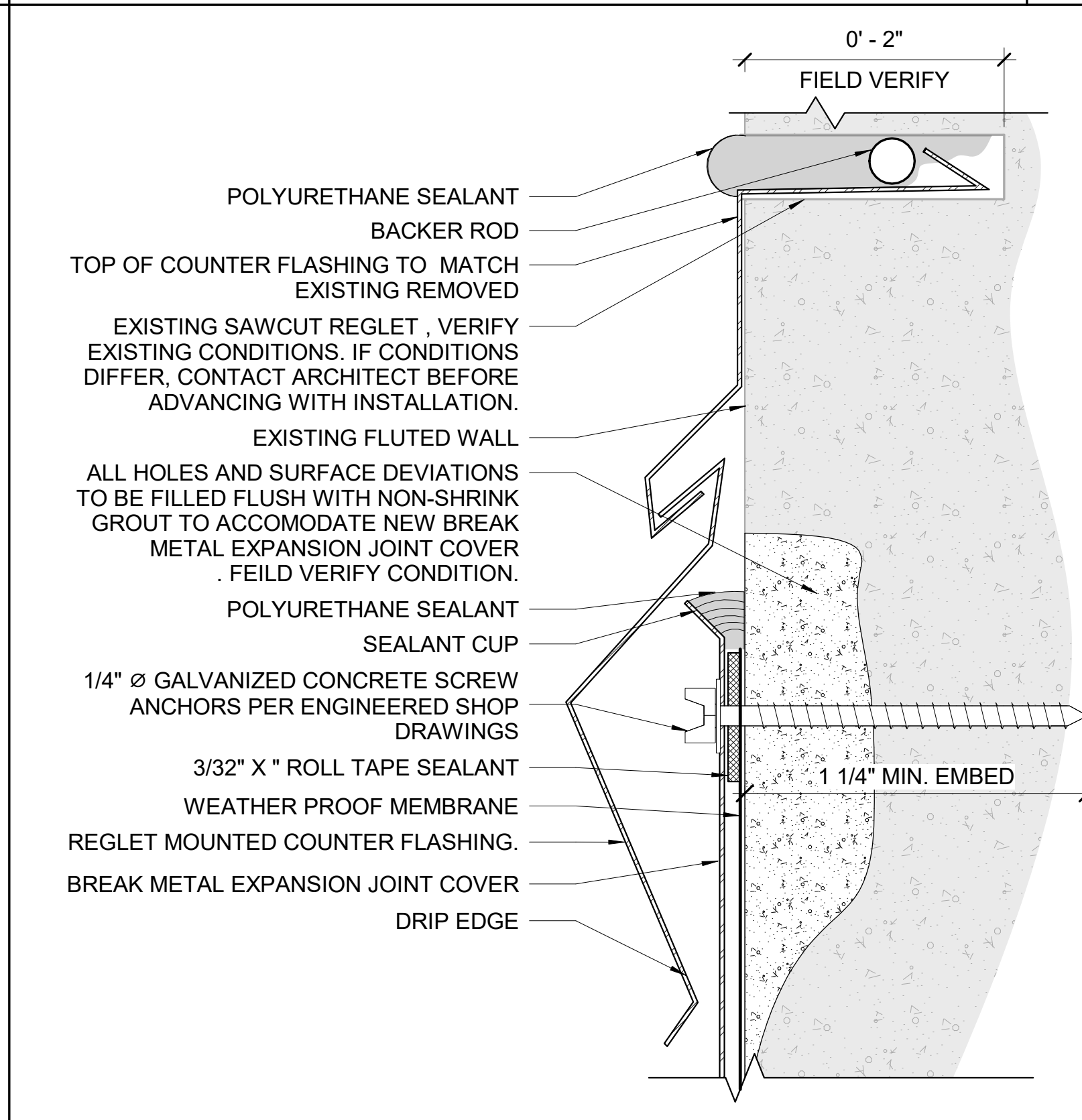
TERMINATION BAR W/ J-TRIM
12" = 1'-0"



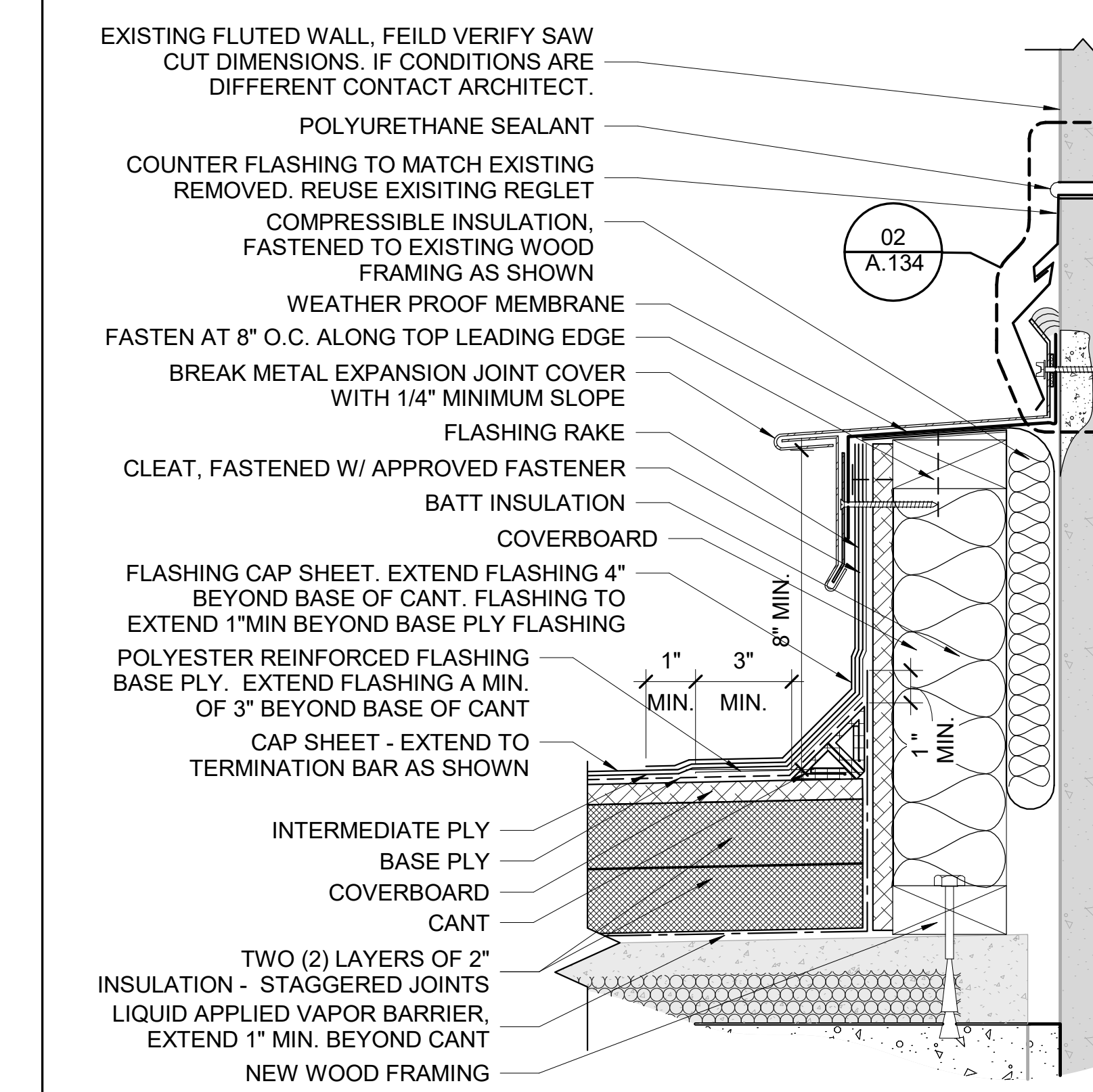
DRIP EDGE ROOF TO ROOF
3" = 1'-0"



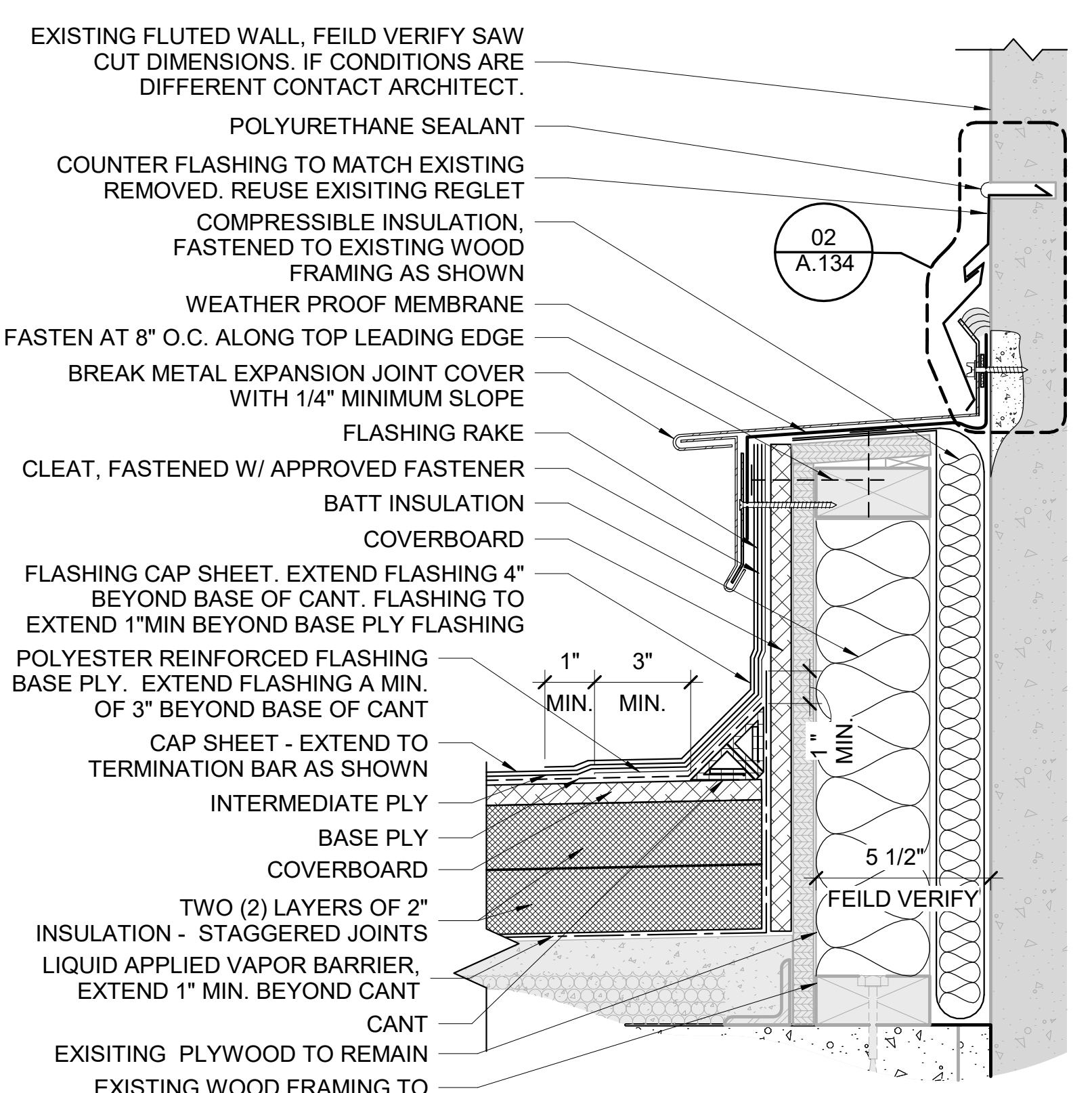
FLASHING @ EXPANSION JOINT
3" = 1'-0"



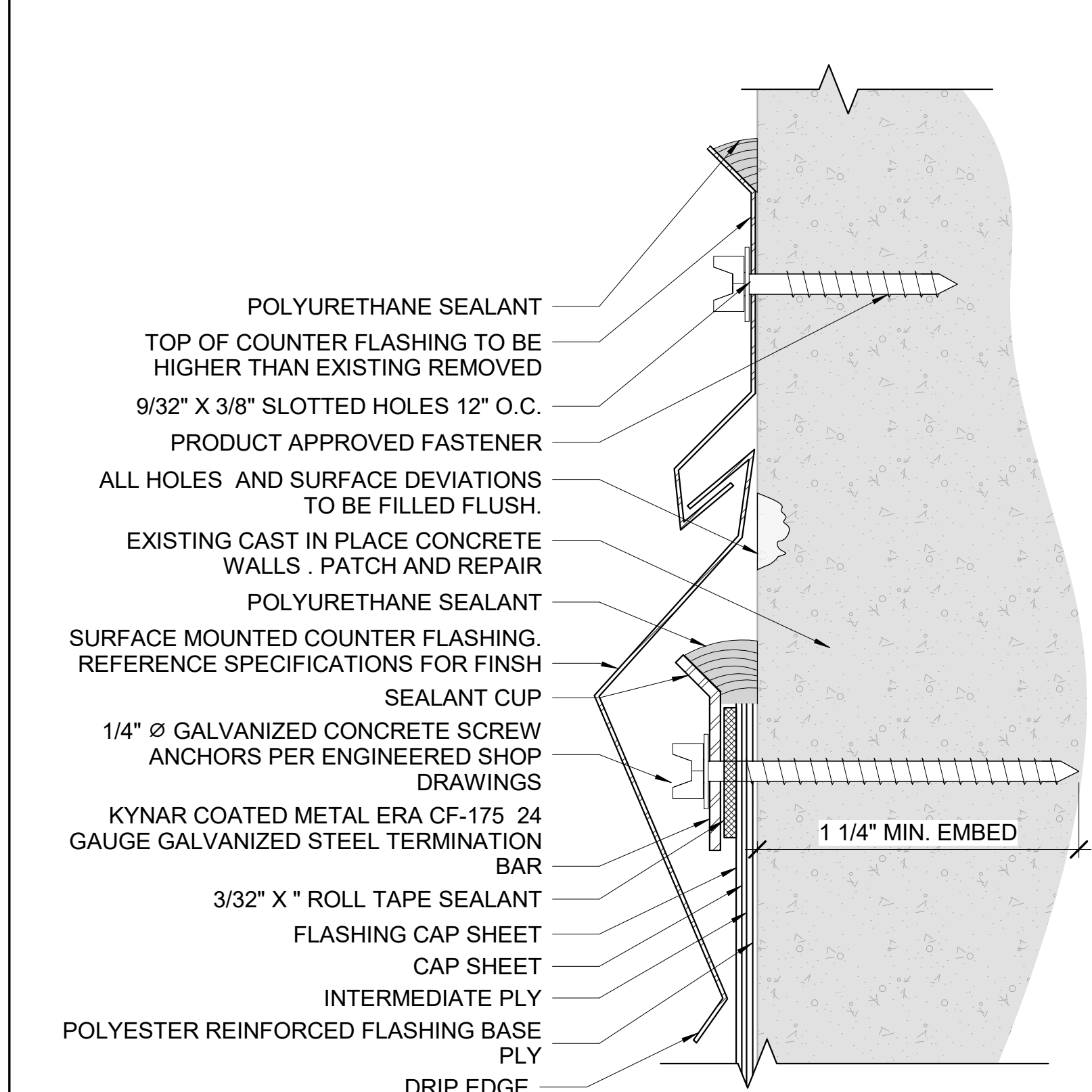
REGLET COUNTER FLASHING
12" = 1'-0"



EXPANSION FLASHING AT WALL
3" = 1'-0"



EXPANSION FLASHING AT WALL
3" = 1'-0"



SURFACE MOUNT COUNTER FLASHING
12" = 1'-0"

GENERAL NOTES		ISSUE
#	DATE	DESCRIPTION
A.		EXISTING ROOF DRAINS & OVERFLOWS SHALL BE REPLACED.
B.		THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SITE PRIOR TO COMMENCING WORK; ALL INQUIRES & NOTED DISCREPANCIES SHOULD BE DIRECTED IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK/AREA IN QUESTION.
C.		ALL DIMENSIONS ARE TO FINISH FACE OF SURFACE INDICATED UNLESS OTHERWISE NOTED.
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E.		CONTRACTOR TO REPAIR ALL WALLS AFFECTED BY DEMOLITION & EQUIPMENT REMOVAL TO MATCH THE EXISTING ADJACENT WALL SURFACES.
F.		PROVIDE FIREWATCH AND ADEQUATE FIRE FIGHTING EQUIPMENT WHERE OPEN FLAME TORCHES ARE BEING USED.
G.		DO NOT INSTALL NEW ROOFING OVER ROTTED OR DAMAGED WOOD BLOCKING OR OTHER UNEXPECTED WATER SOAKED MATERIALS. NOTIFY OWNERS REPRESENTATIVES IMMEDIATELY FOR FURTHER INSTRUCTIONS.
H.		PROVIDE SEALANT TAPE BETWEEN PARAPET MEMBRANE AND CLEAT, TYPICAL.
I.		PROTECT AND DO NOT DAMAGE EXISTING CAST IN PLACE CONCRETE PARAPET WALLS DURING DEMOLITION OF EXISTING ROOFING SYSTEM. TYPICAL FOR ALL RELEVANT LOCATIONS AS SHOWN IN THE PLANS.

ROOF PLAN NOTES	
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02	NEW ROOF DRAIN - SEE DETAIL
03	THRU WALL SCUPPER DRIP EDGE - SEE DETAIL
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06	LIGHTNING GROUND WIRE THRU ROOF. ARCHITECT HAS MADE BEST EFFORTS TO LOCATE ALL PENETRATIONS. CONTRACTOR SHALL INCLUDE EACH ADDITIONAL PENETRATIONS IN THE BASE BID TO FLASH PENETRATIONS NOT SHOWN. COORDINATE WITH ELECTRICAL DRAWINGS.
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29	NEW FLASHING AT BASE OF SUPPORT FOR EXISTING ELEVATED CONCRETE MECHANICAL ENCLOSURE.
30	ROOF VALLEY, TYP.
31	UPON APPROVED PULL TEST, INSTALLATION OF A HIGH PERFORMANCE FLEXIBLE, SEAMLESS, POLYESTER REINFORCED LIQUID APPLIED WATERPROOFING.
32	EXISTING ELEVATED MECHANICAL PIPING TO REMAIN AND BE PROTECTED THROUGHOUT CONSTR.
33	EXISTING ROOF ACCESS HATCH TO REMAIN. FLASH UP TO HATCH CURB.

NOTES	
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PROJECT # 2215.03
DATE: 2023.07.20

ROOF DETAILS

SHEET NUMBER ISSUE
A.134 100

PARCEL ID: 12-24-31-0000-00-02

STRUCTURAL ABBREVIATIONS

ABBREV	ABBREVIATION	LB	POUND
ACI	AMERICAN CONCRETE INSTITUTE	LGTH	LENGTH
ADD	ADDITIVE	LLH	LIVE LOAD
ADCL	ADDITIONAL	LLV	LONG LEG VERTICAL
AFF	ABOVE FINISHED FLOOR	LONG.	LONGITUDINAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LSL	LAMINATED STRAND LUMBER
AIM	AMERICAN IRON AND STEEL INSTITUTE	LT WT	LIGHT WEIGHT
ALT	ALTERNATE/ALTERNATIVE	LVL	LAMINATED VENEER LUMBER
ALUM	ALUMINUM	MATL	MATERIAL
ARCH	ARCHITECTURE/ARCHITECTURAL	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MB	MASONRY BEAM
AWS	AMERICAN WELDING SOCIETY	MC	MISCELLANEOUS CHANNEL/MASONRY COLUMN
B/	BOTTOM OF	MECH	MECHANICAL
BCX	BOTTOM CHORD EXTENSION	MET	METAL
BLDG	BUILDING	MANUF	MANUFACTURE/MANUFACTURER
BLK	BLOCK	MID	MIDDLE
BM	BEAM	MIN	MINIMUM
BOT	BOTTOM	MISC	MISCELLANEOUS
BP	BASE PLATE/BEARING PLATE	MO	MASONRY OPENING
BRG	BEARING	MPH	MILES PER HOUR
BTWN	BETWEEN	NGVD	NATIONAL GEODETIC VERTICAL DATUM
C	CHANNEL	NIC	NOT IN CONTRACT
CB	CONCRETE BEAM	NUMB	NUMBER
CC	CONCRETE COLUMN	NS	NEAR SIDE
CF	CUBIC FEET (FOOT)	NTS	NOT TO SCALE
CIP	CAST IN PLACE	OC	ON CENTERS
CJ	CONTRACTION JOINT	OD	OUTSIDE DIAMETER
CL	CENTERLINE	OPNG	OPENING
CLR	CLEAR/CLEARANCE	OPP	OPPOSITE
CM	CONCRETE MASONRY	OSB	ORIENTED STRAND BOARD
CMU	CONCRETE MASONRY UNIT	P/C	PRECAST CONCRETE/PILE CAP
CO	COMPANY	PT	POST TENSIONED
COL	COLUMN	PAR	PARALLEL
CONC	CONCRETE	PCB	PRECAST CONCRETE BEAM
CONT	CONTINUOUS	PCF	PRECAST CONCRETE COLUMN
CONN	CONNECTION	PCF	POUNDS PER CUBIC FEET
CONST	CONSTRUCTION	PEMB	PRE-ENGINEERED METAL BUILDING
COORD	COORDINATE	PEN	PENETRATION
CONSTR	CONSTRUCTION	P.J.	PANEL JOINT CENTERLINE
CTR	CENTER	PL	PLATE
CTRD	CENTERED	PLF	POUNDS PER LINEAR FOOT
CY	CUBIC YARD	PLMG	PLUMBING
DEPT	DEPARTMENT	PLY	PLYWOOD
DET	DETAIL	PREFAB	PRE-FABRICATED
DIA	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DIAG	DIAGONAL	PSI	POUNDS PER SQUARE INCH
DIAM	DIMENSION	PST	PARALLEL STRAND LUMBER
DISF	DISTANCE	PT	PRESSURE TREATED
DL	DEAD LOAD	RW	REINFORCED WITH
DN	DOWN	RD	ROOF DRAIN
DWG	DRAWING	REF	REFERENCE
EA	EACH	REQD	REQUIRED
EE	EACH END	REV	REVISION
EFA	EACH FACE	RTU	ROOF TOP UNIT
EMER	EMERGENCY HURRICANE PROTECTION AREA	SB	SOFFIT BEAM
EJ	EXPANSION JOINT	SCHED	SCHEDULE
ELEC	ELECTRIC/ELECTRICAL	S.F.	SQUARE FEET
EL	ELEVATION	SF	STRIP FOUNDATION
ENGR	ENGINEER	SIM	SIMILAR
EOD	EDGE OF DECK	SPC	SPACE/SPACES
EOR	ENGINEER OF RECORD	SPCS	SPECIFICATIONS
EQ SP	EQUAL SPACED	SQ	SQUARE
ES	EACH SIDE	SS	STAINLESS STEEL
EW	EACH WAY	STD	STANDARD
EXIST	EXISTING	STF	STIFFENER
EXT	EXPANSION	STL	STEEL
EXR	EXTERIOR	STRUCT	STRUCTURAL
F	FOUNDATION	SYM	SYMMETRICAL
FD	FLOOR DRAIN	T/	TOP OF
FDN	FOUNDATION	TB	THE BEAM
FF	FINISHED FLOOR	T&B	TOP AND BOTTOM
FIN	FINISH	T&B	TOP AND BOTTOM
FIN GR	FINISH GRADE	TCX	TURN DOWN SLAB
FLR	FLOOR	TDS	THICKENED EDGE
FS	FAR SIDE	TE	TEMPERATURE
FT	FEET/FOOT	TENS	TENSION
FTG	FOOTING	THD	THREAD/THREADED
GA	GAGE/GAUGE	THK	THICK
GALV	GALVANIZED	TOL	TOLERANCE
GB	GRADE BEAM	TRANS	TRANSVERSE
GC	GENERAL CONTRACTOR	TS	TUBE STEEL
GEN	GENERAL	T.S.	THICKENED SLAB
GL	GRID LINE	TWF	THICKENED WALL FOUNDATION
GS	GALVANIZED STEEL	TYP	TYPICAL
HD	HOT DIPPED	UNO	UNLESS NOTED OTHERWISE
HDG	HOT DIPPED GALVANIZED	VERT	VERTICAL
HORIZ	HORIZONTAL	VIF	VERIFY IN FIELD
HSA	HEADED STUD ANCHOR	VOL	VOLUME
HSS	HOLLOW STRUCTURAL SECTION	W	WIDE FLANGE SECTION
HT	HEIGHT	W/	WITH
I	MOMENT OF INERTIA	W/O	WITHOUT
ID	INSIDE DIAMETER	WD	WOOD
IF	INSIDE FACE	WF	WATERPROOF
IN	INCH	WP	WORKING POINT
INT	INTERIOR	W.P.	WELDED STUD
JST	JOIST	WS	WEIGHT/STRUCTURAL TEE SECTION
JOINT	JOINT	WWF	WELDED WIRE FABRIC
K	KIP (1000 LB)	@	AT DESIGNATION
KLF	KIPS PER LINEAL FOOT	#	POUNDS / REBAR SIZE NUMBER
KSI	KIPS PER SQUARE INCH	+/-	PLUS OR MINUS
KWY	KEYWAY	C.L.	CENTER LINE
		&	AND
		Sx	SECTION MODULUS
		ix	MOMENT OF INERTIA

STRUCTURAL SYMBOLS AND LEGEND

SECTION / DETAIL MARK

PLAN / DETAIL MARK

ELEVATION MARK

RECESS OR STEP IN SLAB

SLOPED SURFACE

PITCHED ROOF

PLAN NOTE

MOMENT CONNECTION

JOIST BEARING ELEVATION

BOLTED JOIST CONNECTION

STEPPED FOUNDATION

COLUMN AND FOUNDATION TYPE MARKS

SPOT ELEVATION, TYPICALLY TOP OF ITEM TAGGED (T/WALL, T/FOUNDATION, ETC)

WALL TYPE DESIGNATION TAG

INCREASED FLOOR LOAD AREA IN PSF

WALL TYPES

LOAD BEARING MASONRY WALL

NON-LOAD BEARING MASONRY WALL

TILT-UP/PRECAST CONCRETE WALL

CIP CONCRETE WALL

STUD WALL

COMPOSITE BEAM DESIGNATION

COMPOSITE STEEL GIRDER DESIGNATION

NOTE: SYMBOLS AND LEGEND SHOWN ARE GENERIC AND DO NOT NECESSARILY INDICATE ACTUAL OCCURRENCES IN THESE DRAWINGS.

010000 GENERAL NOTES

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR OPENINGS, DEPRESSIONS, EQUIPMENT WEIGHTS AND LOCATIONS, EMBEDDED ITEMS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY THE ENGINEER OF RECORD FOR REVIEW OF ANY SUCH DEVIATIONS.
- DO NOT SCALE DRAWINGS.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TOWERS.
- DETAILS LABELED 'TYPICAL DETAILS' ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF DETAIL, SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER OF RECORD.
- THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE AND SAFETY. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE STRUCTURAL ENGINEER'S OBLIGATIONS TO REVIEW SHOP DRAWINGS AND OTHER SUBMITTALS AND TO RETURN THEM IN A TIMELY MANNER ARE CONDITIONED UPON THE PRIOR REVIEW AND APPROVAL OF THE SHOP DRAWINGS OR SUBMITTALS BY THE CONTRACTOR AS REQUIRED IN THE CONSTRUCTION CONTRACT AND THE CONTRACTOR'S SUBMITTAL OF THE SHOP DRAWINGS AND OTHER SUBMITTALS IN ACCORDANCE WITH A WRITTEN SCHEDULE DISTRIBUTED IN ADVANCE TO THE ENGINEER IDENTIFYING THE DATES FOR THE SUBMITTAL OF THE VARIOUS SHOP DRAWINGS AND SUBMITTALS.
- PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF TLC ENGINEERING SOLUTIONS, INC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK.
- ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXCEED LIFE SPAN AND TO ENSURE STRUCTURAL INTEGRITY WITHIN THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE OWNER. THIS PROGRAM SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO, PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATINGS FOR CONCRETE, SEALANTS, CALKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.
- STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALLING AND GLASS SYSTEMS, COLD-FORMED STEEL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
- IN THE PROFESSIONAL OPINION OF TLC ENGINEERING SOLUTIONS, INC. THE STRUCTURAL CONTRACT DOCUMENTS FOR THIS PROJECT HAVE BEEN PREPARED IN ACCORDANCE WITH THE DESIGN CRITERIA AS SET FORTH IN THE "FLORIDA BUILDING CODE (FBC) 7th EDITION (2020), 2018 INTERNATIONAL BUILDING CODE (IBC)," ENGINEER TO SELECT APPLICABLE BUILDING CODE"
- NO PROVISIONS HAVE BEEN MADE FOR VERTICAL OR HORIZONTAL EXPANSION EXCEPT AS SHOWN ON CONTRACT DOCUMENTS.
- FINISH FLOOR ELEVATION (FIRST FLOOR) OF 0'-0" IS USED AS A REFERENCE ELEVATION. ACTUAL FLOOR ELEVATION IS +90'-3".
- THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS AND USE OF CAD FILES BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS IS PROHIBITED UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM ENGINEER OF RECORD.
- IN THE EVENT THAT THE STRUCTURAL CONTRACTS DRAWINGS AND SPECIFICATIONS CONFLICT ON INFORMATION, THE STRUCTURAL CONTRACT DRAWINGS SHALL SUPERSEDE THE SPECIFICATIONS.

010002 DESIGN LOADS

- THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 7th EDITION (2020), AND AS SUPPLEMENTED BY LOCAL AMENDMENTS.
 - THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED:
 - A. DEAD LOADS:
 - EXISTING ROOF STRUCTURE 15 PSF
 - EXISTING MEP LOADS 4 PSF
 - EXISTING GYPSUM CEILINGS 4 PSF
 - EXISTING ACOUSTICAL CEILING TILE 1 PSF
 - B. LIVE LOADS
 - ROOF 20 PSF
 - ROOF LIVE LOAD REDUCTION USED PER FBC SECTION 1607.12.2.1
 - C. WIND LOADS: PER FLORIDA BUILDING CODE, SECTION 1609.
 - ULTIMATE DESIGN WIND SPEED, V_{ult} 134 MPH (3 SEC. GUST)
 - NOMINAL DESIGN WIND SPEED, V_{nom} 104.6 MPH (3 SEC. GUST)
 - RISK CATEGORY II
 - EXPOSURE C
- SEE SHEET S002 FOR COMPONENTS AND CLADDING PRESSURES.

013100 REQUEST FOR INTERPRETATION

- RFI SHALL ORIGINATE WITH CONTRACTOR AND SHALL BE SUBMITTED IN THE FORM SPECIFIED WITHIN CONTRACT DOCUMENTS. RFI SHALL BE SUBMITTED IN A PROMPT MANNER AS TO AVOID DELAYS IN CONTRACTORS WORK.
- RFI SHALL BE SUBMITTED AS SPECIFIED WITHIN THE CONTRACT DOCUMENTS AND SHALL BE FORWARDED TO THE ENGINEER VIA THE ARCHITECT OR DIRECTLY TO THE ENGINEER BY THE CONTRACTOR WHEN APPROVED BY THE ARCHITECT.
- ENGINEER SHALL TAKE UP TO 5 BUSINESS DAYS TO REVIEW AND RETURN RFIS. HOWEVER, THE ENGINEER WILL ATTEMPT TO EXPEDITE THE REVIEW OF ALL RFIS WITHIN A REASONABLE TIME FRAME.
- RFI RESPONSES ARE NOT INTENDED TO AUTHORIZE ANY INCREASE IN CONSTRUCTION COST, SCHEDULE OR TIME EXTENSIONS, OR CONSTRUCTION IN CONFLICT WITH ANY APPLICABLE CODES OR SPECIFIED DESIGN STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE DESIGN TEAM IMMEDIATELY OF ANY PERCEIVED SCOPE, SCHEDULE, OR COST IMPACTS OR ADJUSTMENTS. IF CONTRACTOR REQUESTS ANY ADDITIONAL COST, INCREASE IN SCHEDULE OR ADJUSTMENT IN SCOPE, THE CONTRACTOR SHALL NOT PROCEED WITH ADDITIONAL WORK UNTIL APPROVED IN WRITING BY THE CONSTRUCTION ADMINISTRATOR.

013301 SHOP DRAWING REVIEW

- SHOP DRAWINGS SHALL ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN ON THE CONTRACT DOCUMENTS. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. REVIEW OF SUBMITTALS AND SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS.
- SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR AND MARKED "APPROVED" PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. NON-CONFORMING DRAWING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
- THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER OF RECORD.
- CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. ARCHITECT/ENGINEER OF RECORD REVIEW WILL BE LIMITED TO THOSE ITEMS CAUSING THE RE-SUBMITTAL. CONTRACTOR IS RESPONSIBLE FOR COSTS CAUSED BY MULTIPLE RE-SUBMITTALS (MORE THAN ONE) AT ARCHITECT/ENGINEER'S CURRENT HOURLY RATES.

024116 DEMOLITION NOTES

- THE CONTRACTOR IS REQUIRED TO PROVIDE ALL TEMPORARY SCAFFOLDING, PLATFORMS, BARRICADES, RAILINGS, SCREENING, ETC. NECESSARY TO PROTECT EXISTING FACILITIES, STRUCTURES AND THE PUBLIC DURING DEMOLITION AND ERECTION OF THE NEW CONSTRUCTION, AS WELL AS FOR JOB SAFETY, JOB SAFETY, CONSTRUCTION AND DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS TO MINIMIZE VIBRATION, NOISE, DUST AND DEBRIS IN ALL AREAS ADJACENT TO AREAS OF DEMOLITION.
- THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE OWNER FOR THE TEMPORARY SUSPENSION OF USE OF ANY FACILITY OR PORTION THEREOF, AND THE ASSOCIATED BARRICADES REQUIREMENTS WITHIN A MINIMUM OF 7 DAYS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR IS REQUIRED TO PERFORM HIS WORK IN A MANNER, WHICH WILL NOT CONFLICT WITH ANY OPERATION, WHICH IS TO REMAIN FUNCTIONAL DURING THE COURSE OF THE PROJECT, UNTIL SUCH OPERATION IS SCHEDULED TO BE SHUT DOWN.
- THE CONTRACTOR IS REQUIRED TO COORDINATE WITH OWNER FOR THE TEMPORARY SUSPENSION OF USE OF ANY UTILITY SYSTEM, A MINIMUM OF 3 DAYS PRIOR TO COMMENCING WORK.
- AT ALL LOCATIONS WHERE NEW CONSTRUCTION WILL INTERFERE WITH EXISTING ELEMENTS, CUT THROUGH EXISTING STRUCTURE IN STRAIGHT AND TRUE LINES TO INSURE A NEAT INTERFACE.
- AT ALL LOCATIONS WHERE THE DEMOLITION OF A CONCRETE MEMBER LEAVES THE ENDS OF REINFORCING STEEL EXPOSED, PROVIDE THE FOLLOWING:
 - A. CHIP CONCRETE FROM AROUND THE STEEL TO A DEPTH OF 1"
 - B. CUT OFF REINFORCING STEEL NOT LESS THAN 3/4" BELOW THE CONCRETE SURFACE.
 - C. FILL THE CAVITY FLUSH WITH A HIGH MODULUS GEL EPOXY. SEE SPECIFICATION FOR ACCEPTED MANUFACTURERS.
- BEFORE DEMOLISHING ANY STRUCTURAL ELEMENT, INSTALL ALL REQUIRED TEMPORARY AND/OR PERMANENT BRACING AND SUPPORTS.
- PROVIDE TEMPORARY CLOSURE OF ALL ROOF FASCIA, WALLS AND OTHER OPENINGS TO PROTECT BUILDING FROM EXPOSURE TO UNDESIRABLE ELEMENTS UNTIL NEW CONSTRUCTION IS WEATHERPROOFED, AT WHICH TIME SUCH TEMPORARY CONSTRUCTION SHALL BE REMOVED. ALL TEMPORARY EXTERIOR WALLS THAT ARE SUBJECT TO WIND LOADS ARE TO BE DESIGNED BY A DELEGATED ENGINEER.
- UPON COMPLETION OF NEW CONSTRUCTION UNDER EACH PHASE, ALL DEMOLISHED AREAS SHALL BE RESTORED TO ACCEPTABLE USAGE ACCORDING TO THE CONTRACT DOCUMENTS AS DETERMINED BY THE A/E.
- REMOVE COMPLETELY FROM THE SITE AND LEGALLY DISPOSE ALL DEBRIS GENERATED BY THE DEMOLITION WORK AS THE WORK PROGRESSES. STOCKPILING OF DEBRIS AND BURNING OF DEBRIS ON THE PREMISES IS STRICTLY PROHIBITED.

024117 EXISTING STRUCTURE

- INFORMATION SHOWN FOR THE EXISTING STRUCTURE ON THESE DRAWINGS WAS TAKEN FROM THE DRAWINGS THAT WERE PREPARED FOR:
 - PREPARED BY: GENSBERT, BRETNALL, BOBEL
 - ENTITLED: ADDITION AND RENOVATIONS TO THE ORLANDO PUBLIC LIBRARY
 - DATE: 09/22/1982
- WORK SHOWN ON THESE DRAWINGS ASSUMES THAT THE ORIGINAL CONSTRUCTION WAS PERFORMED IN ACCORDANCE WITH THE ABOVE INDICATED ORIGINAL DRAWINGS INCLUDING (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, MEMBER SIZES, MATERIALS, DETAILS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE CONDITIONS RELATING TO THE EXISTING STRUCTURE AND TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.

036002 MECHANICAL ANCHORS

- SHALL BE EITHER HEAVY DUTY CONCRETE SCREW ANCHOR (SUCH AS DEWALT SCREW-BOLT+, SIMPSON TITEN HD, OR HILTI HUS-H) OR WEDGE TYPE EXPANSION ANCHOR (SUCH AS DEWALT POWER-STEEL-SD1, SIMPSON WEDGE-ALL, OR HILTI KWIK BOLT T2).
- TYPE OF ANCHOR SHALL BE AS SPECIFIED ON THE DRAWINGS, WHILE BRAND AND MODEL OF ANCHOR MAY BE SELECTED FROM THE ABOVE LISTED ANCHORS. SUBSTITUTION ANCHORS MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVED IN WRITING BY THE ENGINEER OF RECORD PRIOR TO USE. ICC-ES REPORTS FOR PROPOSED ANCHOR SUBSTITUTES MUST BE SUBMITTED TO EOR FOR REVIEW. EOR MAY REQUEST ENGINEERED CALCULATIONS FOR REVIEW AND APPROVAL.
- IN SOME CASES OF CRITICAL LOADING OR GEOMETRIC CONDITIONS, ONLY SPECIFIC ANCHORS WILL BE ALLOWED, AS NOTED ON THE DRAWINGS. IN THESE CASES, THE SPECIFIED BRAND AND MODEL OF ANCHOR MUST BE USED.
- INSTALL ANCHORS IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) IN CONJUNCTION WITH EDGE DISTANCE, SPACING, AND EMBEDMENT SPECIFIED ON DRAWINGS.
- THE MANUFACTURER'S REPRESENTATIVE SHALL TRAIN INSTALLERS FOR ALL PRODUCTS TO BE USED PRIOR TO COMMENCEMENT OF WORK. ONLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION. A RECORD OF TRAINING SHALL BE KEPT ON SITE AND MADE AVAILABLE TO THE EOR AS REQUESTED.
- MECHANICAL ANCHORS IN CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 308.2 AND ICC-ES AC 193 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION.
- EXISTING REINFORCING BARS IN CONCRETE AND/OR MASONRY CONSTRUCTION SHALL NOT BE CUT UNLESS APPROVED BY THE EOR.
- ANCHORS SHALL NOT BE INSTALLED IN CONCRETE AND/OR MASONRY CONSTRUCTION UNTIL THE CONCRETE AND/OR MASONRY HAS CURED FOR AT LEAST 21-DAYS.
- PROVIDE SPECIAL INSPECTION FOR ALL MECHANICAL POST INSTALLED ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE AND THE CURRENT ICC-ES REPORT (IBC 2018 TABLE 1705.3 NOTE B).

051200 STRUCTURAL STEEL

- STEEL WORK SHALL BE NEW AND CONFORM TO THE ANSIAISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
- MATERIAL SHALL CONFORM TO THE FOLLOWING, EXCEPT AS NOTED:
 - CHANNELS ASTM A36 (Fy=36 KSI)
- ALL STRUCTURAL STEEL EXPOSED TO EXTERIOR CONDITIONS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 AND ICC-ES AC 193 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION.
- THE CAMBER OF STEEL MEMBERS SHALL BE VERIFIED IN THE SHOP AND THE FIELD. WHEN NO CAMBER IS INDICATED, TURN THE MEMBER NATURAL CAMBER UP.

STRUCTURAL SHEET INDEX

SHEET #	SHEET TITLE
S001	STRUCTURAL ABBREVIATIONS, SYMBOLS AND NOTES
S002	COMPONENTS AND CLADDING WIND LOAD DIAGRAM
S120	PHASE 01 OVERALL ROOF PLAN
S121	SECOND FLOOR ROOF PLAN
S122	THIRD FLOOR ROOF PLAN
S123	THIRD FLOOR ROOF PLAN
S124	PHASE 02 OVERALL ROOF PLAN
S125	FIRST FLOOR ROOF PLAN
S126	THIRD FLOOR ROOF PLAN
S127	FIFTH FLOOR ROOF PLAN
S128	STRUCTURAL DETAILS

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THINK. LISTEN. CREATE.

GARY C. KRUEGER
FL LICENSE # 40788

PROJECT # 2215.03
DATE: 2023.07.20

STRUCTURAL ABBREVIATIONS, SYMBOLS AND NOTES

SHEET NUMBER S001 ISSUE 100

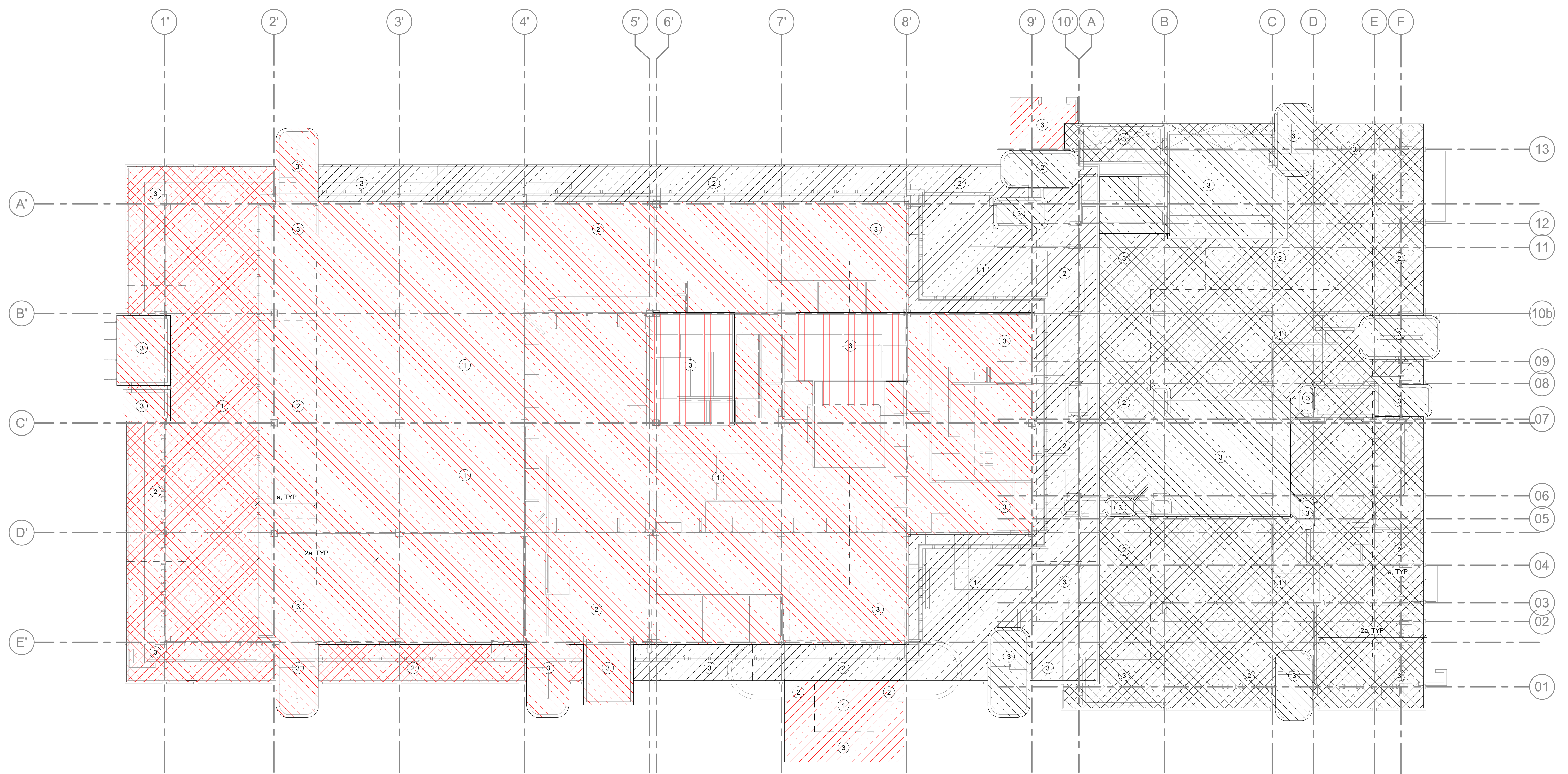
ULTIMATE C&C WIND PRESSURES (ASCE 7-16) PHASE 01									
BUILDING	a (FT)	h (FT)	Vult (MPH)	Vasd (MPH)	A (SF)	ROOF			
						ZONE (1) (PSF)	ZONE (2) (PSF)	ZONE (3) (PSF)	
2ND FLOOR	16'-4"	40'-11"	134	104.6	<10	+16.0	+16.0	+16.0	
						-57.1	-75.3	-102.6	
						+16.0	+16.0	+16.0	
						-53.3	-70.5	-92.9	
3RD FLOOR (LOW)	19'-0"	55'-1"	134	104.6	<10	+16.0	+16.0	+16.0	
						-48.3	-64.1	-80.1	
						+16.0	+16.0	+16.0	
						-44.6	-59.2	-70.5	
3RD FLOOR (HIGH)	19'-0"	68'-11"	134	104.6	<10	+16.0	+16.0	+16.0	
						-62.1	-82.0	-111.7	
						+16.0	+16.0	+16.0	
						-58.0	-76.7	-101.2	

NOMINAL C&C WIND PRESSURES (ASCE 7-16) PHASE 01									
BUILDING	a (FT)	h (FT)	Vult (MPH)	Vasd (MPH)	A (SF)	ROOF			
						ZONE (1) (PSF)	ZONE (2) (PSF)	ZONE (3) (PSF)	
2ND FLOOR	16'-4"	40'-11"	134	104.6	<10	+10.0	+10.0	+10.0	
						-34.2	-45.2	-61.6	
						+10.0	+10.0	+10.0	
						-32.0	-42.3	-55.8	
3RD FLOOR (LOW)	19'-0"	55'-1"	134	104.6	<10	+10.0	+10.0	+10.0	
						-29.0	-38.4	-48.1	
						+10.0	+10.0	+10.0	
						-26.7	-35.5	-42.3	
3RD FLOOR (HIGH)	19'-0"	68'-11"	134	104.6	<10	+10.0	+10.0	+10.0	
						-37.3	-49.2	-67.0	
						+10.0	+10.0	+10.0	
						-34.8	-46.0	-60.7	

ULTIMATE C&C WIND PRESSURES (ASCE 7-16) PHASE 02									
BUILDING	a (FT)	h (FT)	Vult (MPH)	Vasd (MPH)	A (SF)	ROOF			
						ZONE (1) (PSF)	ZONE (2) (PSF)	ZONE (3) (PSF)	
1ST FLOOR	9'-7"	24'-0"	134	104.6	<10	+16.0	+16.0	+16.0	
						-52.2	-68.9	-93.6	
						+16.0	+16.0	+16.0	
						-49.8	-64.5	-85.0	
3RD FLOOR	19'-0"	55'-1"	134	104.6	<10	+16.0	+16.0	+16.0	
						-44.2	-58.6	-73.3	
						+16.0	+16.0	+16.0	
						-40.8	-54.2	-64.5	
5TH FLOOR (LOW)	19'-0"	84'-9"	134	104.6	<10	+16.0	+16.0	+16.0	
						-62.1	-82.0	-111.7	
						+16.0	+16.0	+16.0	
						-58.0	-76.7	-101.2	
5TH FLOOR (HIGH)	19'-0"	99'-7"	134	104.6	<10	+16.0	+16.0	+16.0	
						-61.8	-87.1	-112.3	
						+16.0	+16.0	+16.0	
						-53.8	-85.8	-117.8	

ULTIMATE C&C WIND PRESSURES (ASCE 7-16) PHASE 02									
BUILDING	a (FT)	h (FT)	Vult (MPH)	Vasd (MPH)	A (SF)	ROOF			
						ZONE (1) (PSF)	ZONE (2) (PSF)	ZONE (3) (PSF)	
1ST FLOOR	9'-7"	24'-0"	134	104.6	<10	+10.0	+10.0	+10.0	
						-31.3	-41.3	-56.3	
						+10.0	+10.0	+10.0	
						-29.3	-38.7	-51.0	
3RD FLOOR	19'-0"	55'-1"	134	104.6	<10	+10.0	+10.0	+10.0	
						-34.8	-46.0	-60.7	
						+10.0	+10.0	+10.0	
						-31.6	-41.8	-52.3	
5TH FLOOR (LOW)	19'-0"	84'-9"	134	104.6	<10	+10.8	+10.8	+10.8	
						-42.2	-55.6	-75.8	
						+10.1	+10.1	+10.1	
						-39.4	-52.0	-68.6	
5TH FLOOR (HIGH)	19'-0"	99'-7"	134	104.6	<10	+10.0	+10.0	+10.0	
						-32.9	-43.7	-52.0	
						+10.0	+10.0	+10.0	
						-30.2	-48.6	-66.9	

- C&C WIND PRESSURE PLAN NOTES:**
- PRESSURES SHOWN ABOVE ULTIMATE AND NOMINAL COMPONENTS AND CLADDING PRESSURES (AS INDICATED). NOMINAL PRESSURES ARE CONVERTED FROM ULTIMATE PRESSURES USING A 0.6 MULTIPLIER FACTOR. NO FURTHER REDUCTION IS ALLOWED.
 - A - INDICATES TRIBUTARY AREA IN S.F.
a - INDICATES END ZONE WIDTH IN FT.
h - MEAN ROOF HEIGHT IN FT.
Vult - INDICATES ULTIMATE DESIGN WIND SPEED IN MPH
Vasd - INDICATES NOMINAL DESIGN WIND SPEED IN MPH
 - GROSS PRESSURES ARE FOR ROOFING, ROOFING ACCESSORIES AND OTHER BUILDING COMPONENTS AND CLADDING.
 - GROSS PRESSURES SHALL BE LINEARLY INTERPOLATED FOR (A) NOT SHOWN IN TABLE.
 - POSITIVE PRESSURES INDICATE PRESSURES ACTING TOWARD A PROJECTED SURFACE. NEGATIVE PRESSURES INDICATE PRESSURES ACTING AWAY FROM A PROJECTED SURFACE.
 - ROOF AND ZONES (1) THRU (3)
 - PER SECTION 706 OF THE 2020 FLORIDA BUILDING CODE. THE EXISTING STRUCTURE IS SUFFICIENT TO RESIST COMPONENTS AND CLADDING WIND PRESSURES.



1 COMPONENTS AND CLADDING WIND LOAD DIAGRAM
1/16" = 1'-0"

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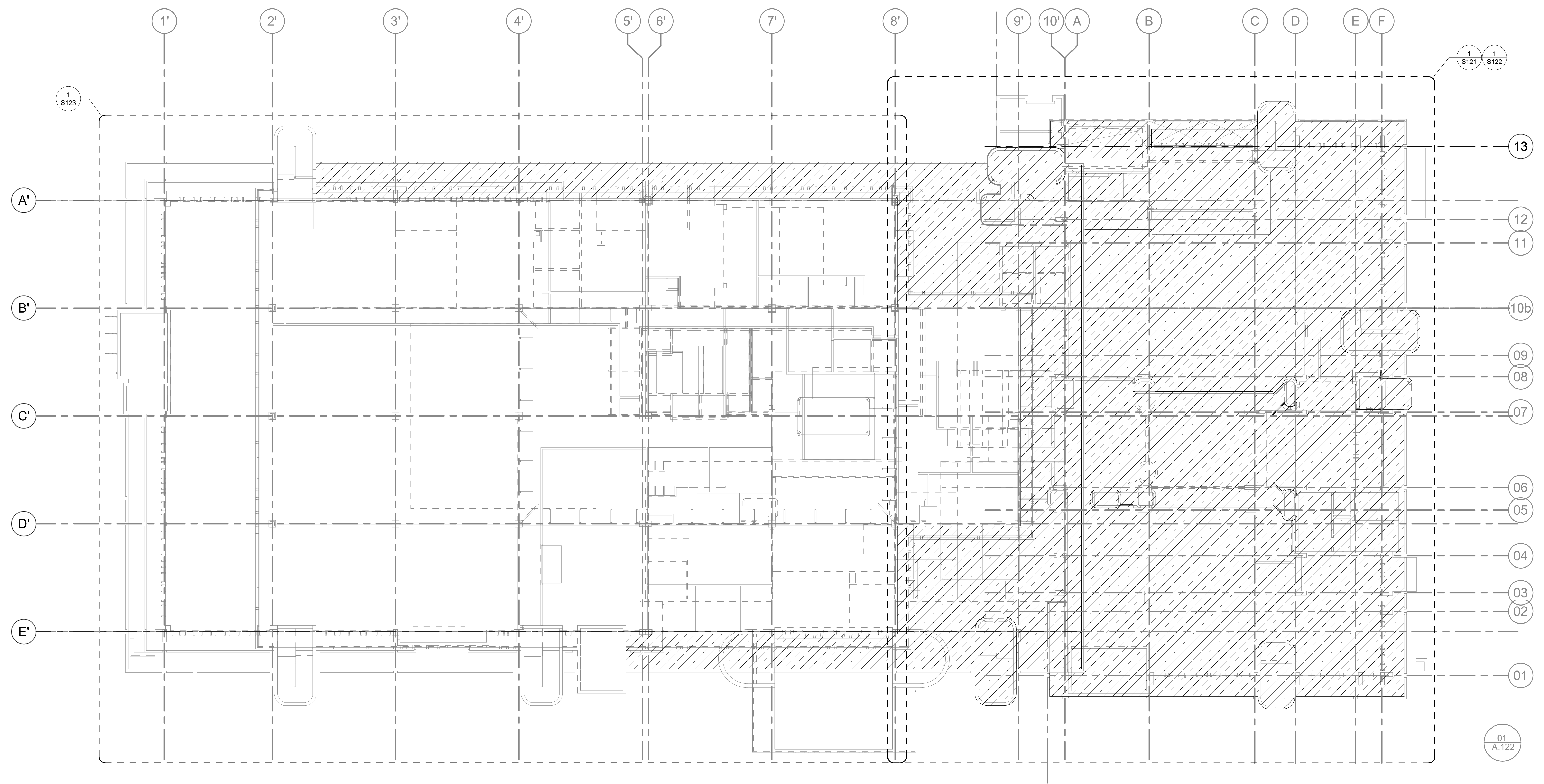
GARY C. KRUEGER
FL LICENSE # 40788

PROJECT # 2215.03
DATE: 2023.07.20

COMPONENTS AND CLADDING WIND LOAD DIAGRAM

ISSUE	#	DATE	DESCRIPTION

- KEYNOTE LEGEND (#)**
-  SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 01.
 -  SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.



1 PHASE 01 - OVERALL ROOF PLAN
1/16" = 1'-0"

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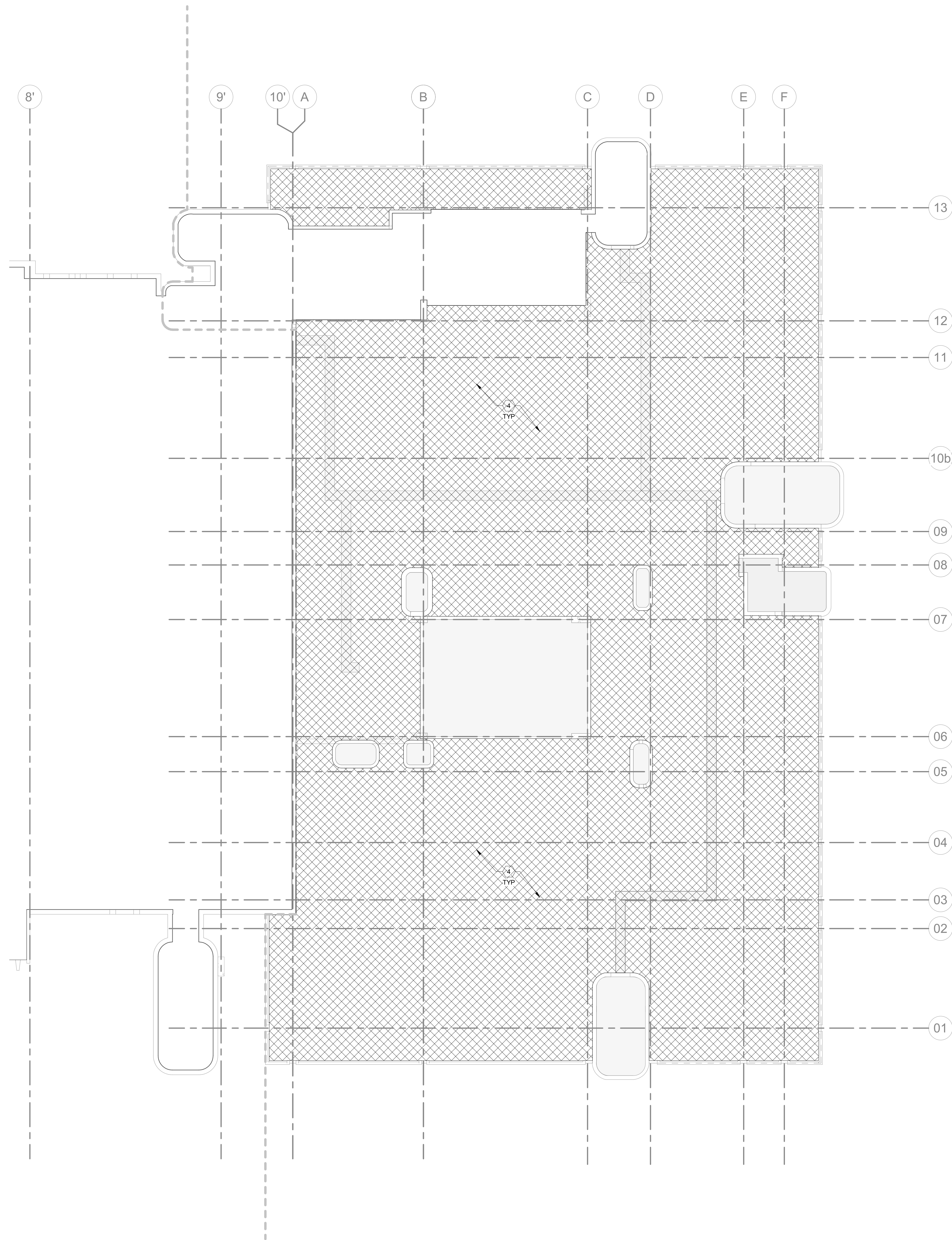
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PHASE 01
OVERALL ROOF
PLAN

SHEET NUMBER ISSUE
S120 100



KEYNOTE LEGEND (#)

1. [Symbol] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 01.
2. [Symbol] SIGNIFIES DIFFERENT LEVEL OF AREA OF ROOF TO BE REPLACED IN PHASE 01 (INDICATED ON S122).
3. [Symbol] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
4. [Symbol] EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB. VIF EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.

GENERAL NOTES

1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.

STRUCTURAL ELEVATIONS

- T/2ND FLOOR EL. 40'-11" UNO, VIF

ISSUE	#	DATE	DESCRIPTION

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SECOND FLOOR ROOF PLAN

1 SECOND FLOOR ROOF PLAN - EAST
 1" = 10'-0"

KEYNOTE LEGEND (#)

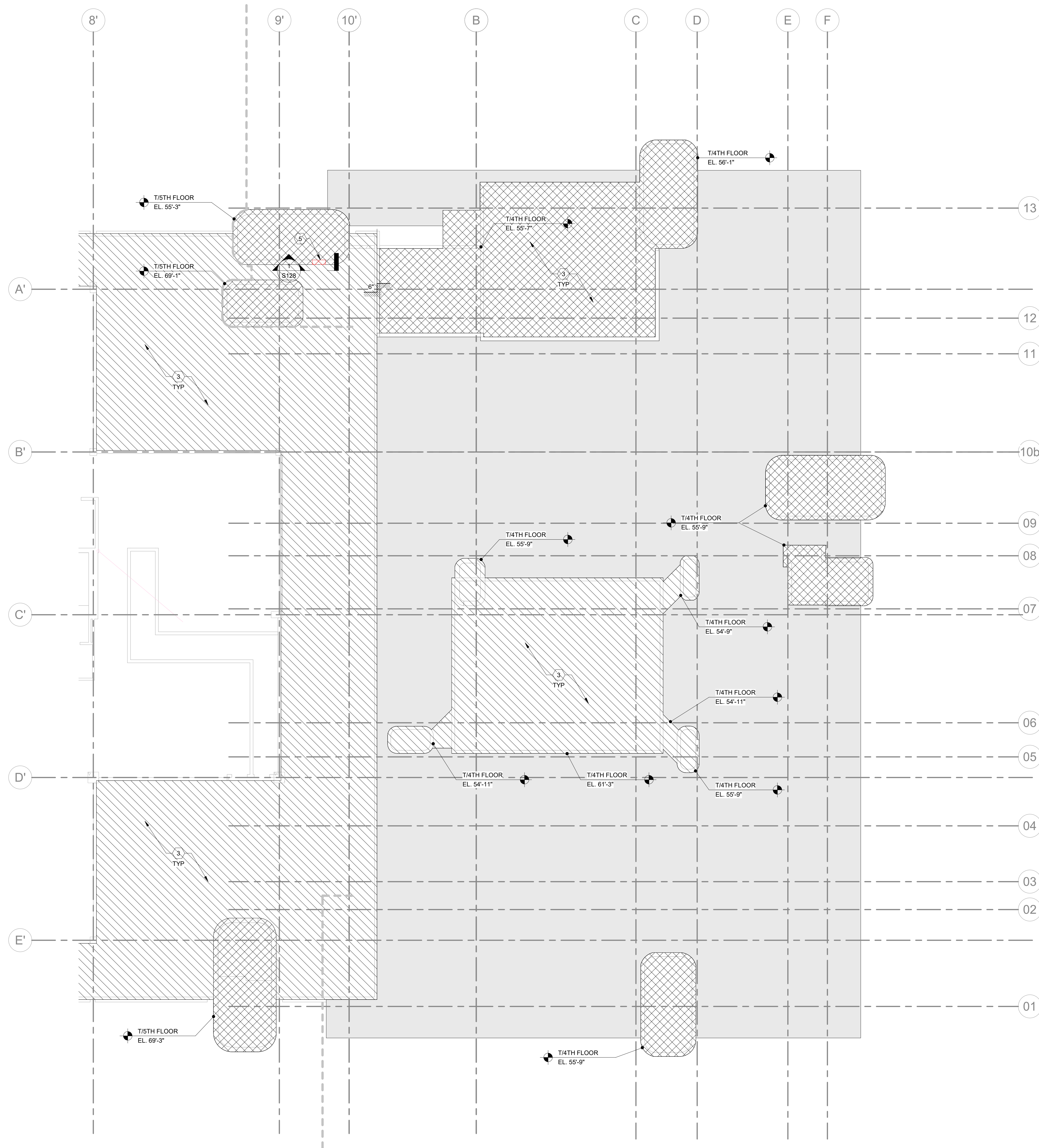
1. [Hatched Pattern] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 01.
2. [Dotted Pattern] SIGNIFIES DIFFERENT LEVEL OF AREA OF ROOF TO BE REPLACED IN PHASE 01 (INDICATED ON S121).
3. [Diagonal Lines] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
4. EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB, VIF. EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.
5. DEMOLISH (E) 10" REINFORCED CONCRETE WALL AND 2" CONCRETE FINISH (12" TOTAL THICKNESS) FOR NEW DOOR OPENING. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING LOCATION.

GENERAL NOTES

1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.
4. INSTALL NEW STEEL LINTEL AT NEW DOOR OPENING LOCATION PRIOR TO DEMOLISHING (E) CONCRETE WALL. SEE DETAIL 1 / S128.

STRUCTURAL ELEVATIONS

- T3RD FLOOR EL. 55'-1" UNO, VIF



1 THIRD FLOOR ROOF PLAN - EAST
1" = 10'-0"

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THIRD FLOOR
ROOF PLAN

SHEET NUMBER ISSUE
S122 100

KEYNOTE LEGEND (#)

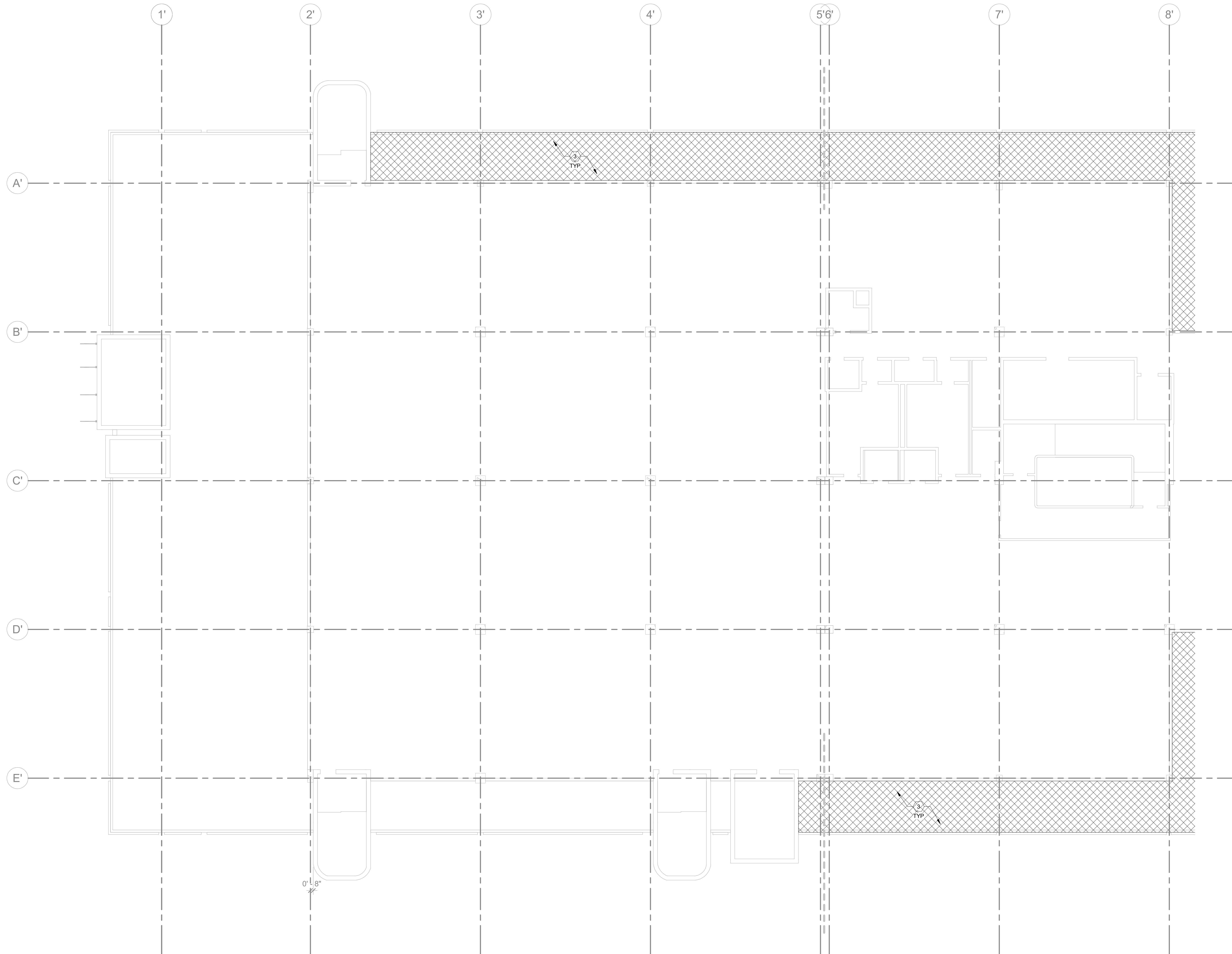
1. [Cross-hatch pattern] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 01.
2. [Dotted pattern] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
3. EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB. VIF: EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.

GENERAL NOTES

1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.

STRUCTURAL ELEVATIONS

- T/3RD FLOOR EL. 55'-1" UNO, VIF



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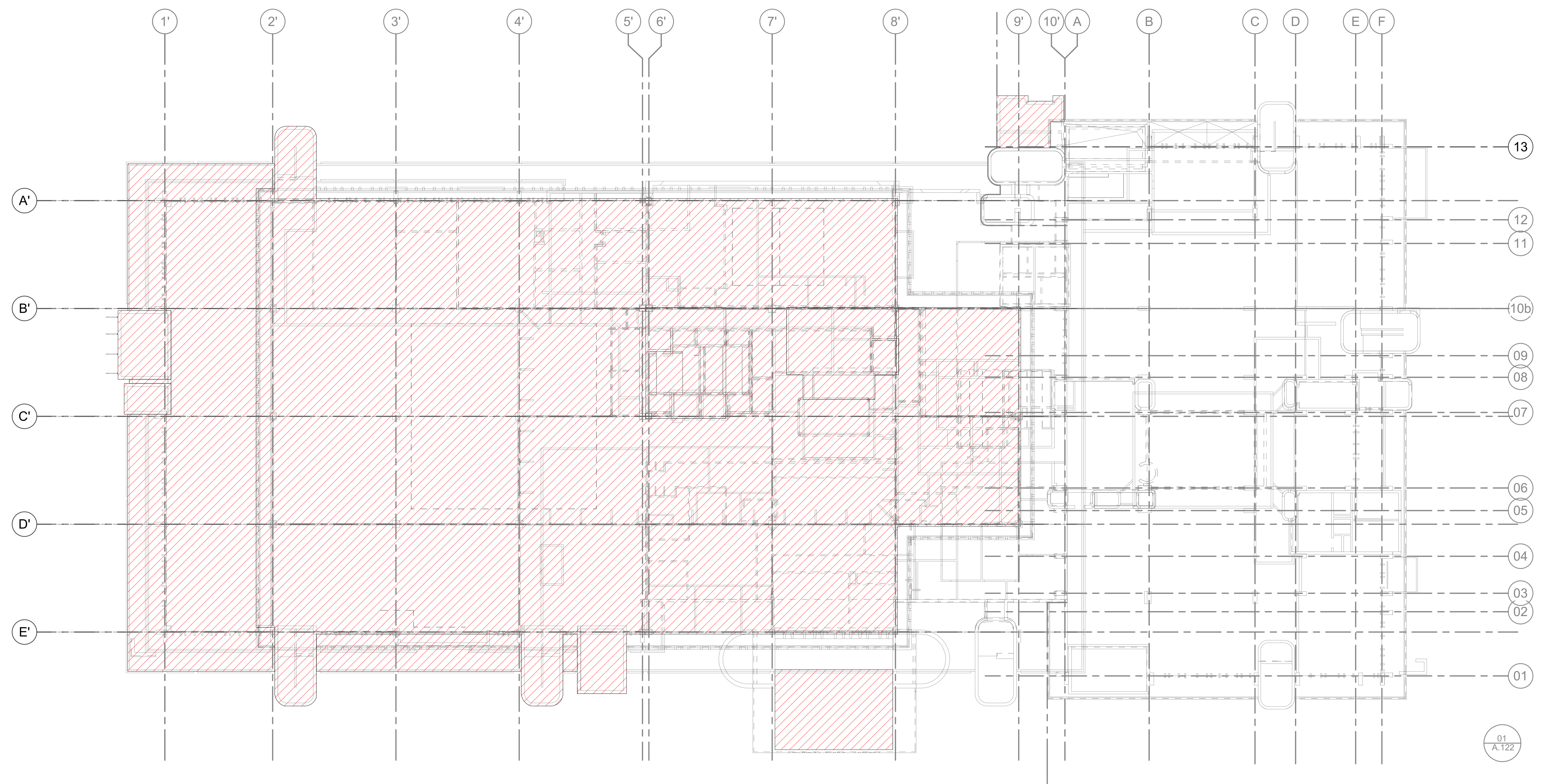
PROJECT # 2215.03
 DATE: 2023.07.20

THIRD FLOOR
 ROOF PLAN

1 THIRD FLOOR ROOF PLAN - WEST & CENTER
 1" = 10'-0"

ISSUE		
#	DATE	DESCRIPTION

- KEYNOTE LEGEND** (#)
1.  SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
 2.  SIGNIFIES AREA OF ROOF REPLACED IN PHASE 01.



1 PHASE 02 - OVERALL ROOF PLAN
1/16" = 1'-0"

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PHASE 02
OVERALL ROOF
PLAN

SHEET NUMBER ISSUE
S124 100

KEYNOTE LEGEND (#)

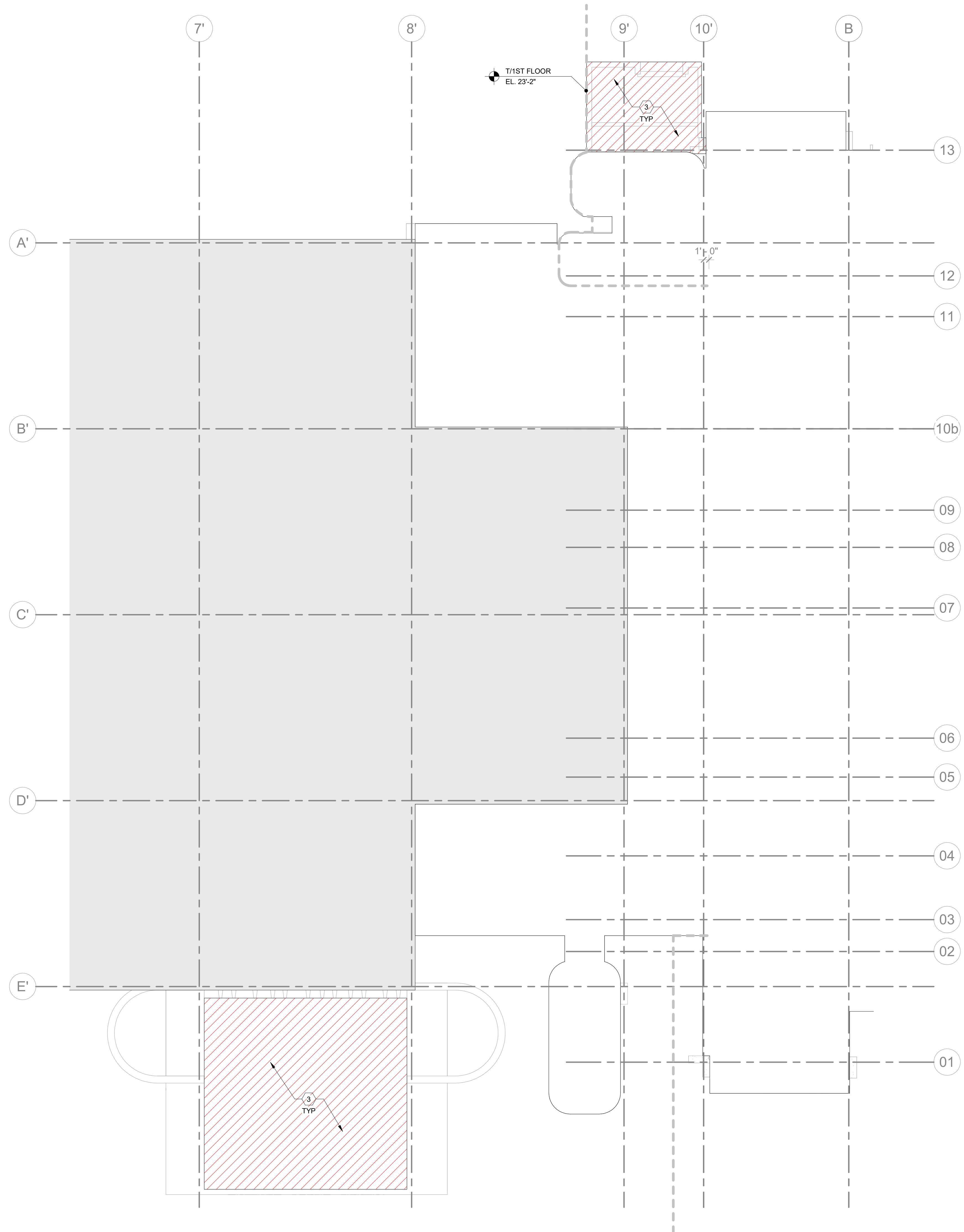
- 1. [Hatched Box] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
- 2. [Dashed Box] SIGNIFIES DIFFERENT LEVEL OF AREA OF ROOF TO BE REPLACED IN PHASE 02 (INDICATED ON S127).
- 3. [Vertical Line] SIGNIFIES AREA OF ROOF REPLACED IN PHASE 01.
- 4. EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB, VIF. EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.

GENERAL NOTES

- 1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
- 2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
- 3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.

STRUCTURAL ELEVATIONS

- T/1ST FLOOR EL. 23'-11" UNO, VIF



1 FIRST FLOOR ROOF PLAN - CENTER
1" = 10'-0"

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FIRST FLOOR
 ROOF PLAN

KEYNOTE LEGEND (#)

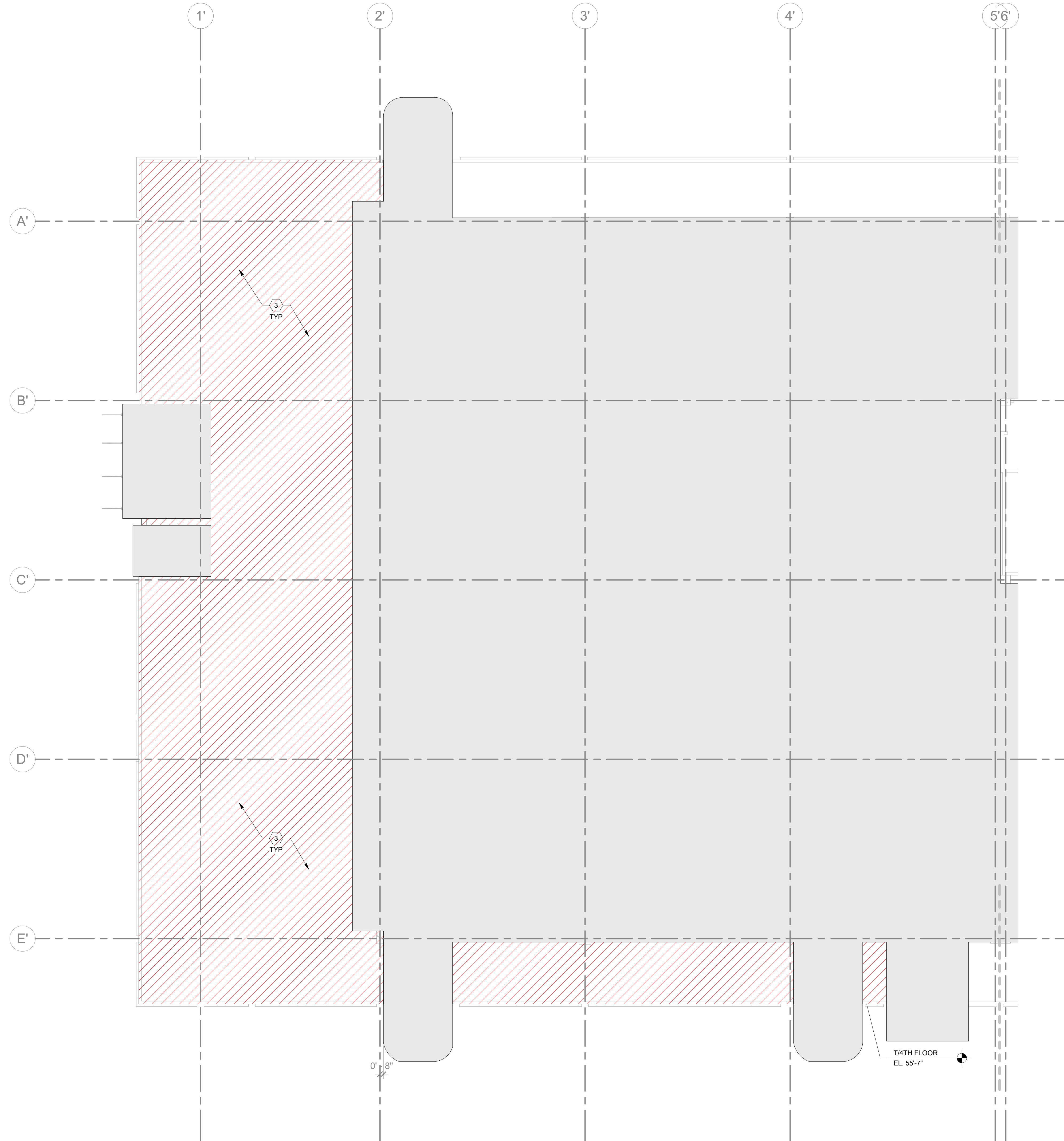
1. [Hatched pattern] SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
2. [Dashed line] SIGNIFIES DIFFERENT LEVEL OF AREA OF ROOF TO BE REPLACED IN PHASE 02 (INDICATED ON S126).
3. [Vertical line] SIGNIFIES AREA OF ROOF REPLACED IN PHASE 01.
4. [Horizontal line] EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB. VIF. EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.

GENERAL NOTES

1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.

STRUCTURAL ELEVATIONS

- T/3RD FLOOR EL. 55'-1" UNO, VIF



1 THIRD FLOOR ROOF PLAN - WEST
1" = 10'-0"

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THIRD FLOOR
ROOF PLAN

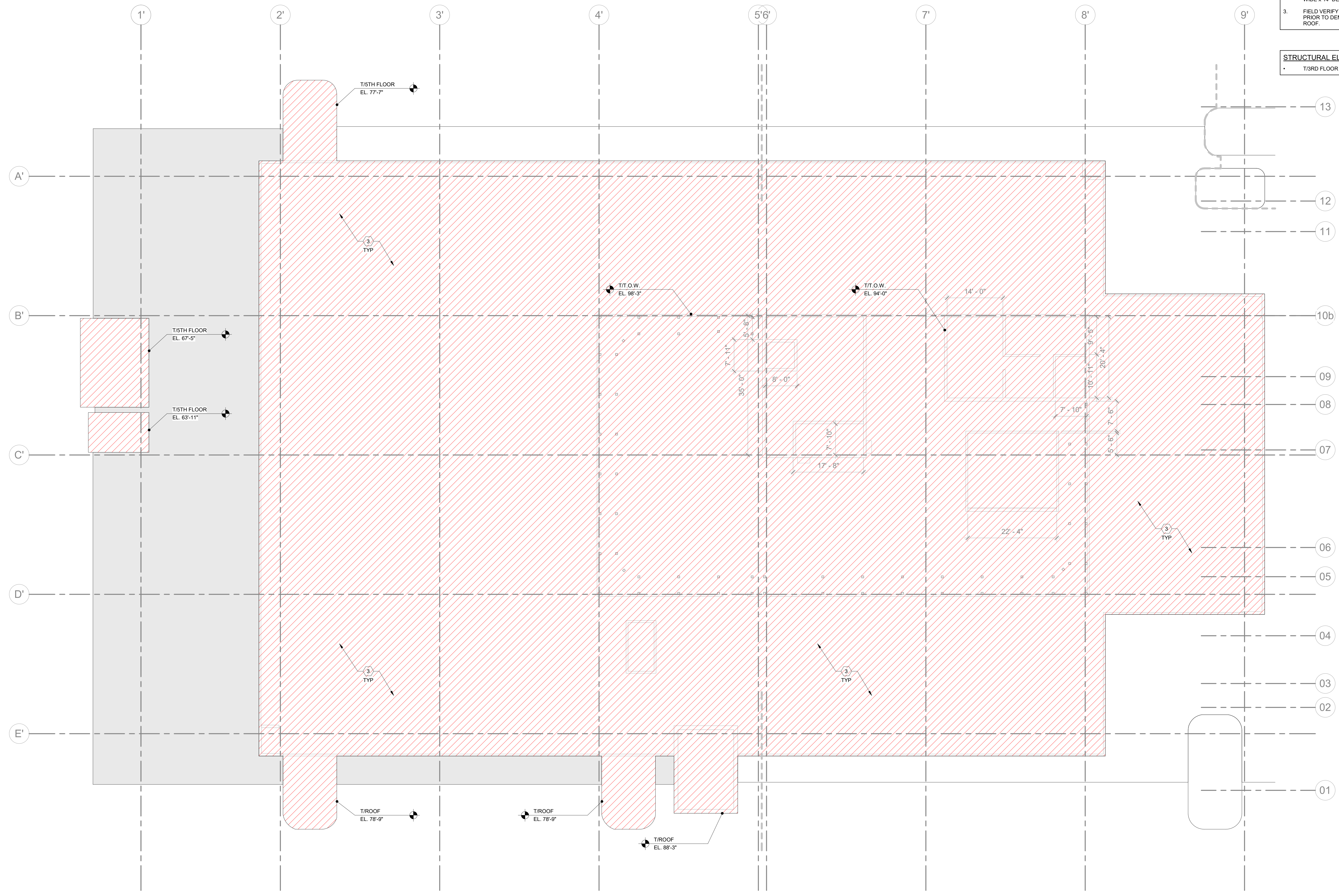
SHEET NUMBER ISSUE
S126 100

- KEYNOTE LEGEND (#)**
1. SIGNIFIES AREA OF ROOF TO BE REPLACED IN PHASE 02.
 2. SIGNIFIES DIFFERENT LEVEL OF AREA OF ROOF TO BE REPLACED IN PHASE 02 (INDICATED ON S126).
 3. SIGNIFIES AREA OF ROOF REPLACED IN PHASE 01.
 4. EXISTING MEMBRANE ROOF SUPPORTED BY EXISTING CONCRETE WAFFLE SLAB. VIF EXISTING CONCRETE TO REMAIN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOFING REPLACEMENT INFORMATION.

- GENERAL NOTES**
1. (E) ROOFING TO BE REMOVED TO ACCOMMODATE INSTALLATION OF REPLACEMENT ROOFING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION.
 2. (E) CONCRETE WAFFLE SLAB CONSISTS OF 52" x 52" SQUARE DOMES WITH A 4-1/2" SLAB AND 8" WIDE x 14" DEEP RIBS AT 5'-0" ± O.C., TYP.
 3. FIELD VERIFY (E) STRUCTURE AND CONDITIONS PRIOR TO DEMOLITION AND REPLACEMENT OF ROOF.

STRUCTURAL ELEVATIONS

- T/3RD FLOOR EL. 84'-8" UNO, VIF



1 FIFTH FLOOR ROOF WEST & CENTER
1" = 10'-0"

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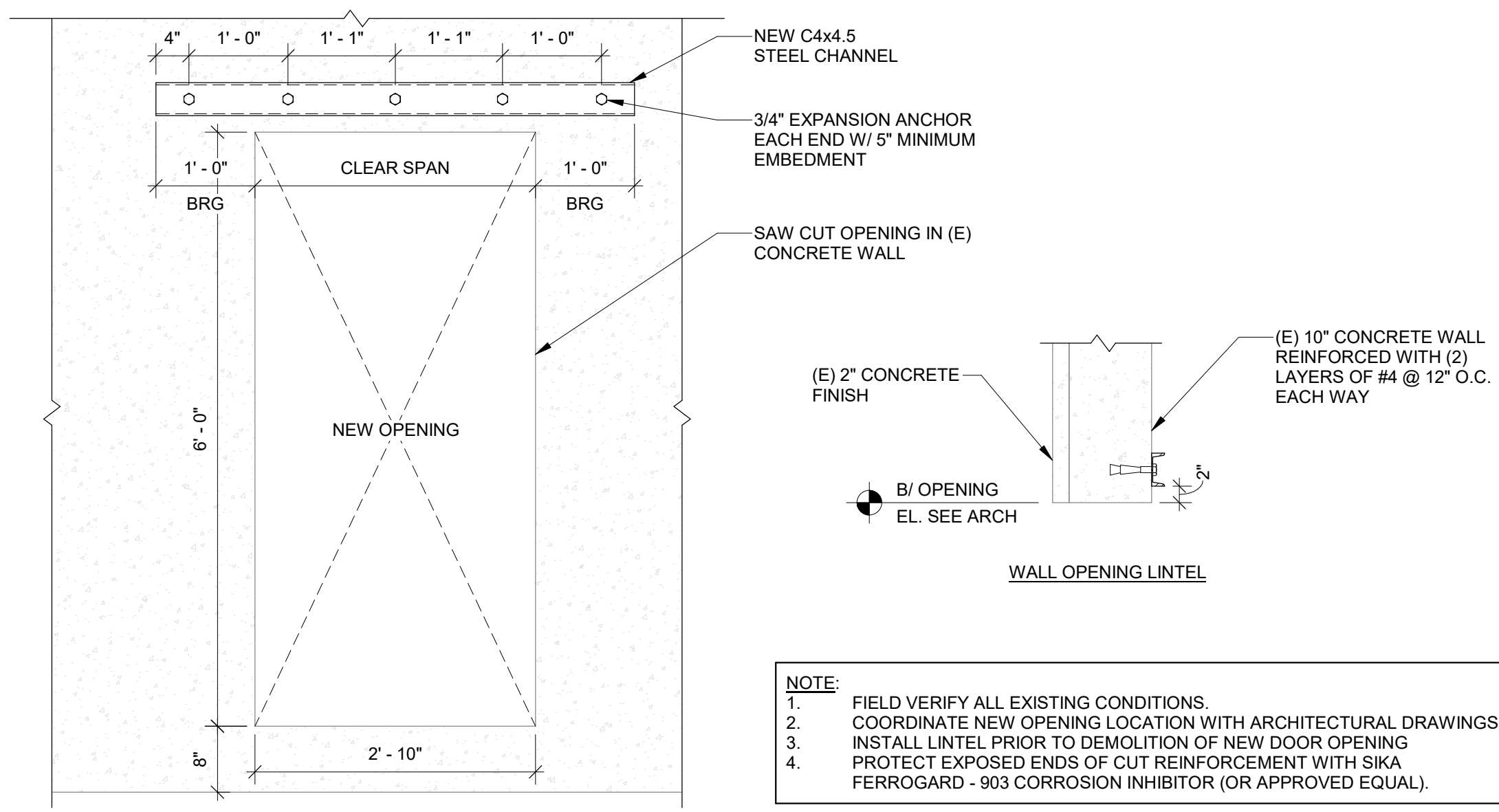
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FIFTH FLOOR
ROOF PLAN

PARCEL ID.: 12-24-31-0000-00-002



1 STEEL LINTEL FOR OPENING IN EXISTING CONCRETE WALL
3/4" = 1'-0"

ISSUE		
#	DATE	DESCRIPTION

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PROJECT # 2215.03
DATE: 2023.07.20

STRUCTURAL
DETAILS

SHEET NUMBER ISSUE
S128 100

PLUMBING SPECIFICATIONS

- 1.00 - GENERAL PROVISIONS
- 1.01 PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM.
- 1.02 CODES AND STANDARDS: ALL PLUMBING WORK SHALL BE IN STRICT COMPLIANCE WITH THE 2017 FLORIDA PLUMBING CODE AND ALL LOCAL CODES HAVING JURISDICTION.
- 1.03 ALL PLUMBING WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND FEES, ETC., REQUIRED FOR THE EXECUTION OF THIS WORK.
- 1.04 CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES BEFORE FABRICATION OR INSTALLATION. OFFSETS AND/OR TRANSITIONS REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL COST. CONTRACTOR SHALL COORDINATE AND INSTALL HIS WORK IN A TIMELY MANNER TO PREVENT DELAYS IN THE CONSTRUCTION.
- 1.05 CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGED EQUIPMENT AND/OR MATERIAL.
- 1.06 PROVIDE ALL MATERIALS REQUIRED TO PROPERLY SUPPORT ALL PIPING AND EQUIPMENT. PIPE HANGERS SHALL BE ADJUSTABLE TYPE AND BE SPACED IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE. PROVIDED PLASTIC COATED RING ON HANGERS FOR COPPER PIPING TO PROVIDE DIELECTRIC ISOLATION.
- 1.07 PROVIDE DIELECTRIC UNIONS OR FLANGES BETWEEN COPPER AND STEEL PIPING AND BETWEEN BRASSWARE AND STEEL. DO NOT USE STEEL AND COPPER PIPING IN THE SAME SYSTEM WITHOUT SUCH ISOLATION.
- 1.08 PROVIDE REDUCING FITTINGS (REDUCING BUSHINGS SHALL NOT BE USED) WHERE CHANGES IN PIPE SIZES OCCUR.
- 1.09 THIS CONTRACTOR SHALL SUPPLY AND INSTALL ALL SERVICES THROUGHOUT THE BUILDING AND MAKE CONNECTION TO SITE UTILITIES APPROXIMATELY 5'-0" OUTSIDE THE BUILDING. CONTRACTOR SHALL SUPPLY AND INSTALL FIXTURES, FITTINGS, VALVING AND TRIM AND MAKE READY FOR USE ALL FIXTURES, EQUIPMENT, ETC.
- 2.00 - BASIC MATERIALS AND METHODS
- 2.01 PROVIDE AND PROPERLY LOCATE PIPE STAND TO ADEQUATELY SUPPORT PIPING. ARRANGE HANGERS TO PERMIT EXPANSION AND CONTRACTION. DO NOT HANG PIPING FROM FIRE OR SMOKE WALLS. PROVIDE PIPE SUPPORT AT EACH VALVE, STRAINER, AND OTHER PIPING ACCESSORY, AND AT EACH CHANGE OR DIRECTION.
- 2.02 THE SIZE OF PIPE STAND FOR NON-INSULATED PIPES SHALL BE SUITABLE FOR THE PIPE SIZE TO BE SUPPORTED.
- 2.03 SPACING: SHALL NOT EXCEED MANUFACTURERS RECOMMENDATION.
- 2.04 PIPE SUPPORTS - MIRO INDUSTRIES MODEL 1.5 AND MODEL 3 OR APPROVED EQUAL.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
CD	- CONDENSATE DRAIN PIPING
CW	- DOMESTIC COLD WATER PIPING
HW	- DOMESTIC HOT WATER PIPING
HWR	- DOMESTIC HOT WATER RETURN PIPING
S	- SANITARY WASTE PIPING
V	- VENT PIPING
ST	- STORM DRAIN PIPING
STO	- OVERFLOW STORM DRAIN PIPING
G	- FUEL GAS PIPING
+	- HOSE BIBB OR WALL HYDRANT
□	- CLEANOUT PLUG
□	- WALL CLEANOUT
□	- FLOOR CLEANOUT / EXTERIOR CLEANOUT
FD	- FLOOR DRAIN
FS	- FLOOR SINK
DD	- DECK DRAIN
+	- SHUT-OFF VALVE
+	- BALL VALVE
+	- CALIBRATED BALANCING VALVE
+	- CHECK VALVE (SWING)
+	- PRESSURE REDUCING VALVE
+	- SOLENOID OPERATING VALVE
+	- GAS COCK
+	- GAS PRESSURE REGULATOR
4	- DETAIL No.
4	- DETAIL REFERENCE
4	- PIPE TAG
△	- REVISION REFERENCE

PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
CA	- COMPRESSED AIR
AFF	- ABOVE FINISH FLOOR
AW	- ACID WASTE
AV	- ACID VENT
CB	- CATCH BASIN
CD	- CONDENSATE DRAIN
CFH	- CUBIC FEET PER HOUR
CO	- CLEANOUT
CONT	- CONTINUATION
OW	- DOMESTIC COLD WATER
DI	- DEIONIZED WATER
DN	- DOWN
DS	- DOWNSPOUT
DWG	- DRAWING
EXIST	- EXISTING
F	- DEGREE FAHRENHEIT
FCD	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FOF	- FUEL OIL FILL
FOG	- FUEL OIL GAGE
FOR	- FUEL OIL RETURN
FOS	- FUEL OIL SUPPLY
FOV	- FUEL OIL VENT
FS	- FLOOR SINK
FSE#	- FOODSERVICE EQUIPMENT NUMBER
G	- GAS
GPH	- GALLONS PER HOUR
GPM	- GALLONS PER MINUTE
GR	- KITCHEN WASTE (GREASE)
HB	- HOSE BIBB
HD	- HUB DRAIN
HWR	- DOMESTIC HOT WATER
HW	- DOMESTIC HOT WATER RECIRCULATING
IE	- INVERT ELEVATION
IN	- INCH
KW	- KILOWATT
LBS	- POUNDS
MN	- MIMICLE
NC	- NORMALLY CLOSED
NIC	- NOT IN CONTRACT
NO	- NORMALLY OPEN
NP	- NON POTABLE WATER
NTS	- NOT TO SCALE
OD	- OUTSIDE DIAMETER
PRV	- PRESSURE REDUCING VALVE
PSI	- POUNDS PER SQUARE INCH
PVC	- POLYVINYL CHLORIDE PIPE
RD	- ROOF DRAIN
RRBP	- REDUCED PRESSURE BACKFLOW PREVENTOR
SAN	- SANITARY
SD	- STORM DRAIN
SF	- SQUARE FEET
SH	- SHEET
ST	- STORM
STO	- OVERFLOW STORM DRAIN
SW	- SOFT COLD WATER
V	- VENT
VAC	- VACUUM
VC	- VACUUM CLEANING
VTR	- VENT THRU ROOF
WCO	- WALL CLEANOUT
WTR	- WATER

PLUMBING GENERAL NOTES

- REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.
- THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL STATE AND LOCAL CODES.
- UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD AND NEW SURVEYS. AS-BUILT RECORDS AND FIELD INVESTIGATIONS, INFORMED CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND BURIAL DEPTHS, AS DETERMINED DURING CONSTRUCTION, WILL BE NECESSARY.
- FIELD VERIFY EXISTING INSTALLATIONS. MODIFY EXISTING PLUMBING SYSTEMS, WHICH ARE TO REMAIN ACTIVE, TO FACILITATE RECONNECTION AND EXTENSION OF THE NEW WORK.
- NOTIFY OWNER AT LEAST 24 HOURS PRIOR TO INTERRUPTING EXISTING SERVICE. SCHEDULE DISCONNECTION AND TIE-INS TO MINIMIZE DISRUPTION OF SERVICES. SERVICES ARE NOT TO BE LEFT DISRUPTED DURING NON-NORMAL CONTRACTOR WORKING HOURS.
- PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
- PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
- FLASH AND COUNTER FLASH ROOF PENETRATIONS.
- WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
- SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
- PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE. SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
- ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
- PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. INSTALL CLEANOUT WITH COVER FLUSH TO FINISH SURFACE.
- COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.

GENERAL GRAVITY DEMOLITION NOTES

- EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO DEMOLITION. FIELD CONDITIONS SHALL GOVERN. FIELD VERIFY LOCATIONS OF EXISTING PIPING BEFORE DEMOLITION. PROVIDE ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT. COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR ITEMS NOT INDICATED. COORDINATE DEMOLITION OF EXISTING PIPING WITH NEW WORK. PIPING CONNECTING TO AREAS OUTSIDE OF RENOVATED SPACE SHALL NOT TO BE DISCONNECTED UNTIL AFTER NEW PIPING IS INSTALLED. COORDINATE SYSTEM SHUT DOWNS WITH THE FACILITY PRIOR TO DEMOLITION.
- ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE TURNED OVER TO THE OWNER, OR DISPOSED OF AT THE OWNER'S DISCRETION.
- ALL VENT PIPING INDICATED ON THIS DRAWING IS LOCATED IN THE CEILING SPACE OR WALL SPACES UNLESS NOTED OTHERWISE. FIELD VERIFY BEFORE CONSTRUCTION.
- ALL SANITARY PIPING INDICATED ON THIS DRAWING IS LOCATED BELOW THE FLOOR SLAB OR WALL CHASE UNLESS NOTED OTHERWISE. OFFSET ALL EXISTING SANITARY AND VENT RISERS FROM FLOOR ABOVE TO WALLS ON NEW FLOOR PLAN. FIELD VERIFY EXACT LOCATION AND PROVIDE REQUIRED OFFSET TO FACILITATE OPERATION OF PLUMBING SYSTEMS TO THE FLOORS ABOVE AND BELOW.
- CARE MUST BE TAKEN WHEN REMOVING PIPE AROUND LOAD BEARING WALLS. THE WALL OR FOOTING BELOW IS NOT TO BE DESTROYED.
- EXISTING RAIN WATER LEADER PIPING TO REMAIN UNLESS OTHERWISE NOTED. FIELD VERIFY ROUTING OF EXISTING PIPING BEFORE CONSTRUCTION BEGINS. EXISTING RAIN WATER PIPING LOCATED IN WALLS TO BE REMOVED SHALL BE REROUTED OVER HEAD TO A NEW WALL LOCATION AND RECONNECTED TO THE UNDERGROUND STORM.
- CUT AND PATCH CEILINGS, WALLS AND FLOOR SLAB AS REQUIRED TO FACILITATE PLUMBING RENOVATION. SEE ARCHITECTURAL DRAWINGS FOR PATCHING DETAILS.

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

DRAIN SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	SPECIFICATION
RD-1	ROOF DRAIN (PRIMARY)	JOSAM	2190-AE	12" DIAMETER, DURA COATED CAST IRON BODY WITH FLASHING CLAMP, DRAIN RECEIVER GASKET WITH ADJ. EXTENSION AND GALVANIZED CAST IRON DOME

ISSUE

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 FL LICENSE # 71647

PROJECT # 2215.03
 DATE: 2023.07.20

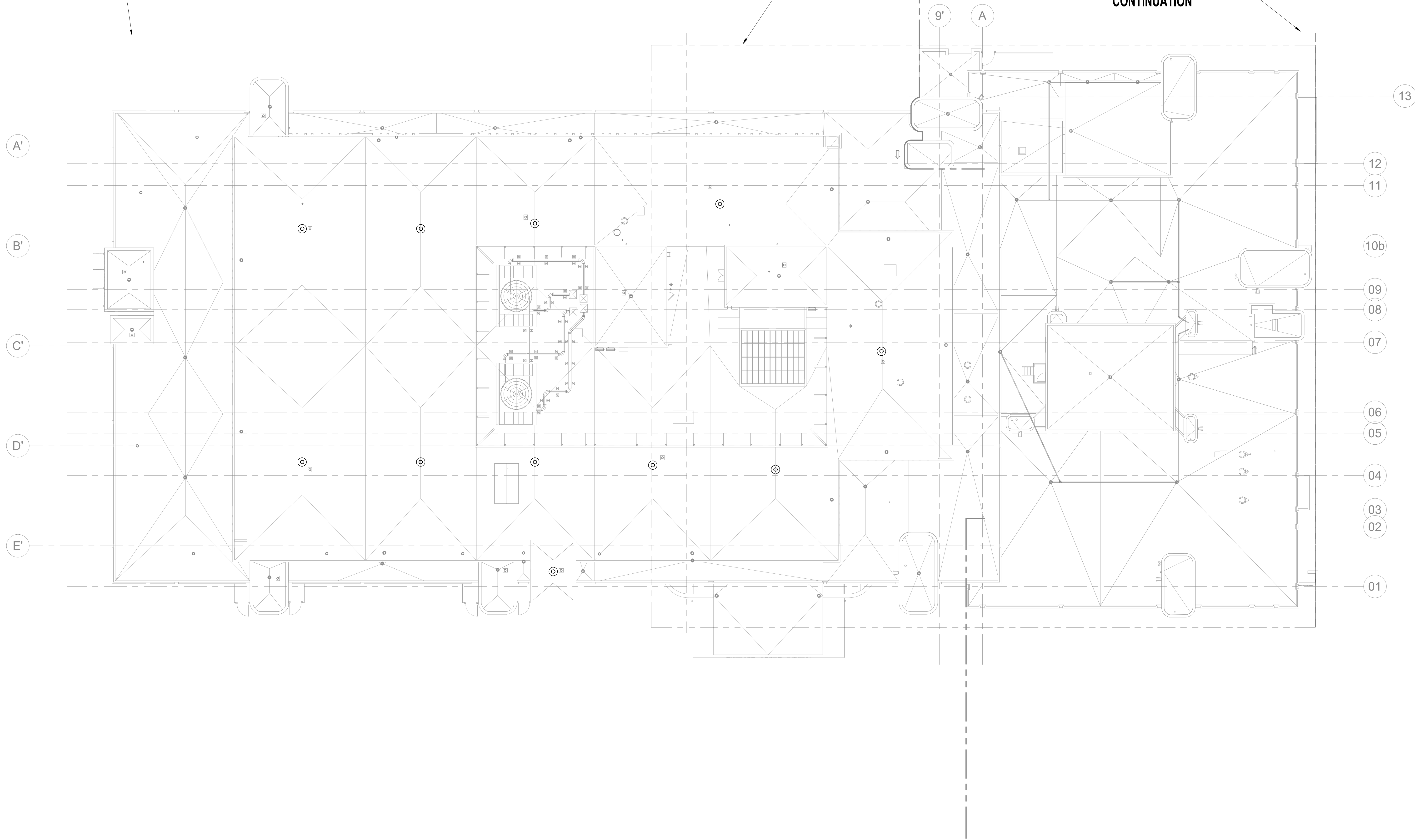
PLUMBING
 SYMBOLS,
 LEGEND, NOTES
 AND INDEX

SHEET NUMBER ISSUE
P.000 100

REFER TO P.123 FOR CONTINUATION

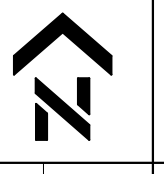
REFER TO P.122 FOR CONTINUATION

REFER TO P.121 FOR CONTINUATION



0 8' 16' 32'

OVERALL PLUMBING ROOF PLAN - PHASE 1
1/16" = 1'-0"



01

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OVERALL PLUMBING ROOF PLAN - PHASE 1

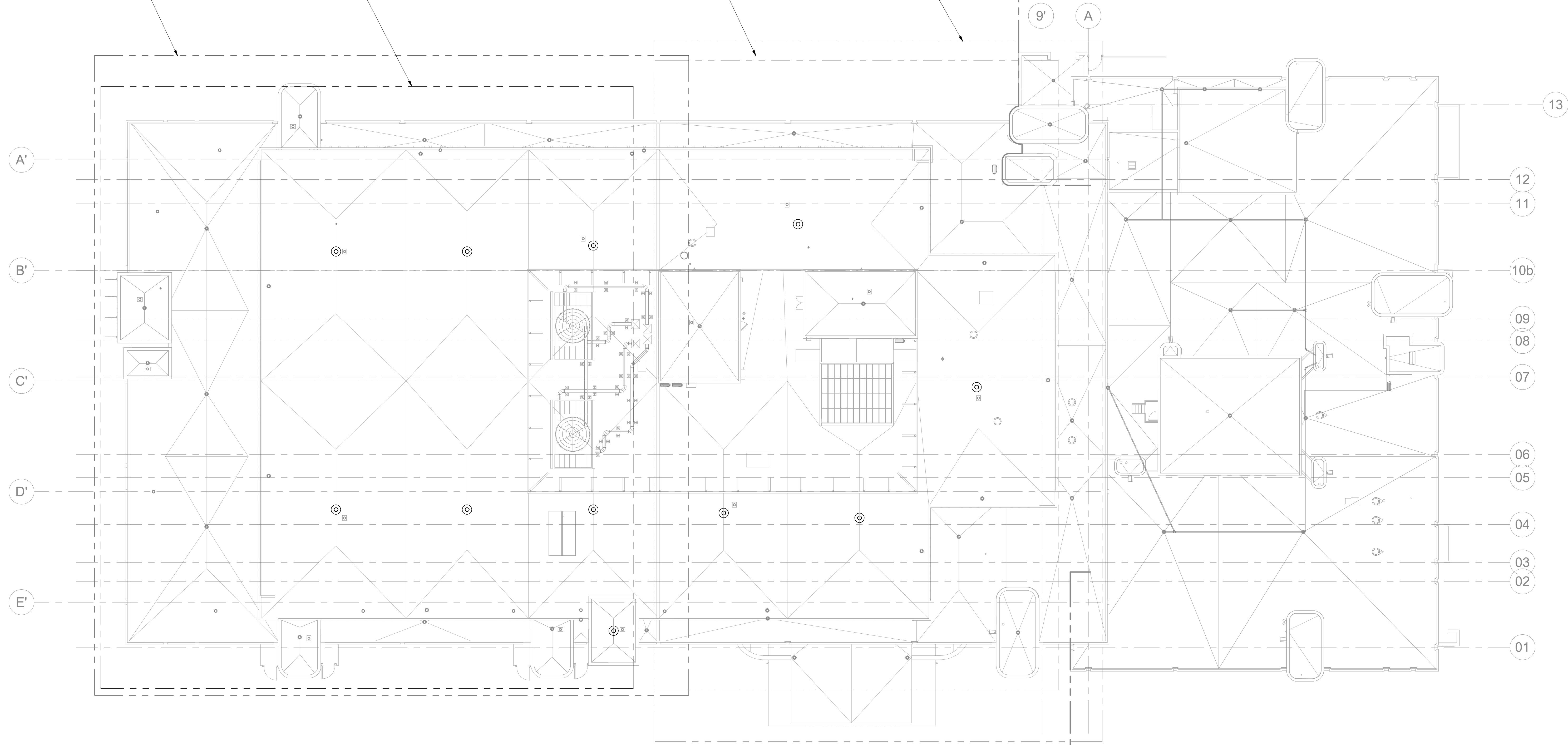
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REFER TO P.125/P.127
FOR CONTINUATION

REFER TO P.128/P.129
FOR CONTINUATION

REFER TO P.124/P.126
FOR CONTINUATION

REFER TO P.130 FOR
CONTINUATION



0 8' 16' 32'

OVERALL PLUMBING ROOF PLAN - PHASE 2
1/16" = 1'-0"



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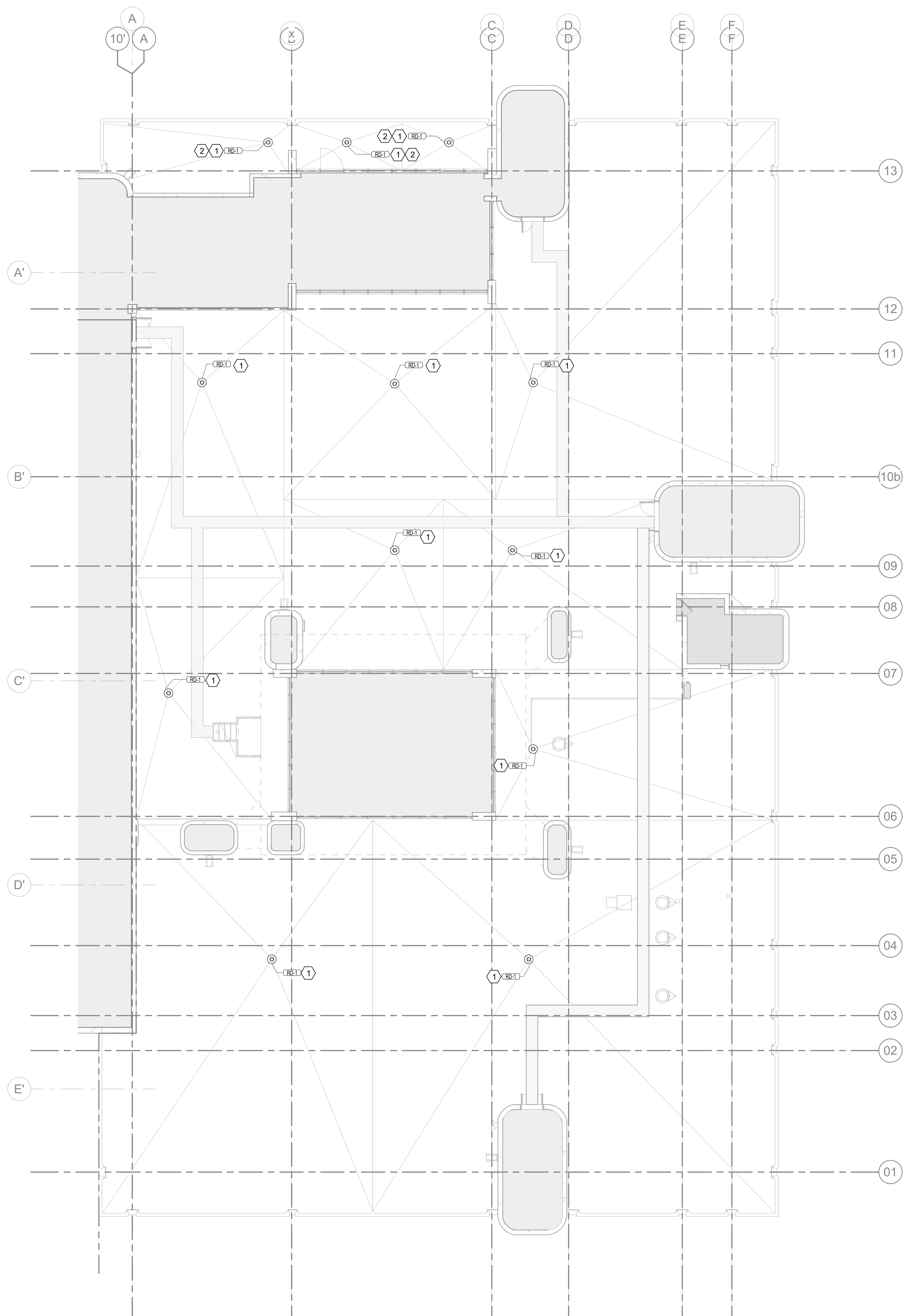
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PROJECT # 2215.03
DATE: 2023.07.20

**OVERALL
PLUMBING ROOF
PLAN - PHASE 2**

SHEET NUMBER ISSUE

P.002 100



KEYED NOTES

- ① REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.
- ② ROOF DRAIN LOCATED ON LOWER LEVEL BALCONY.

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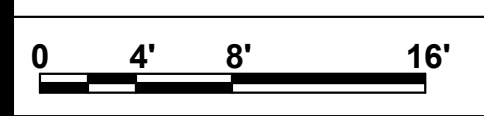
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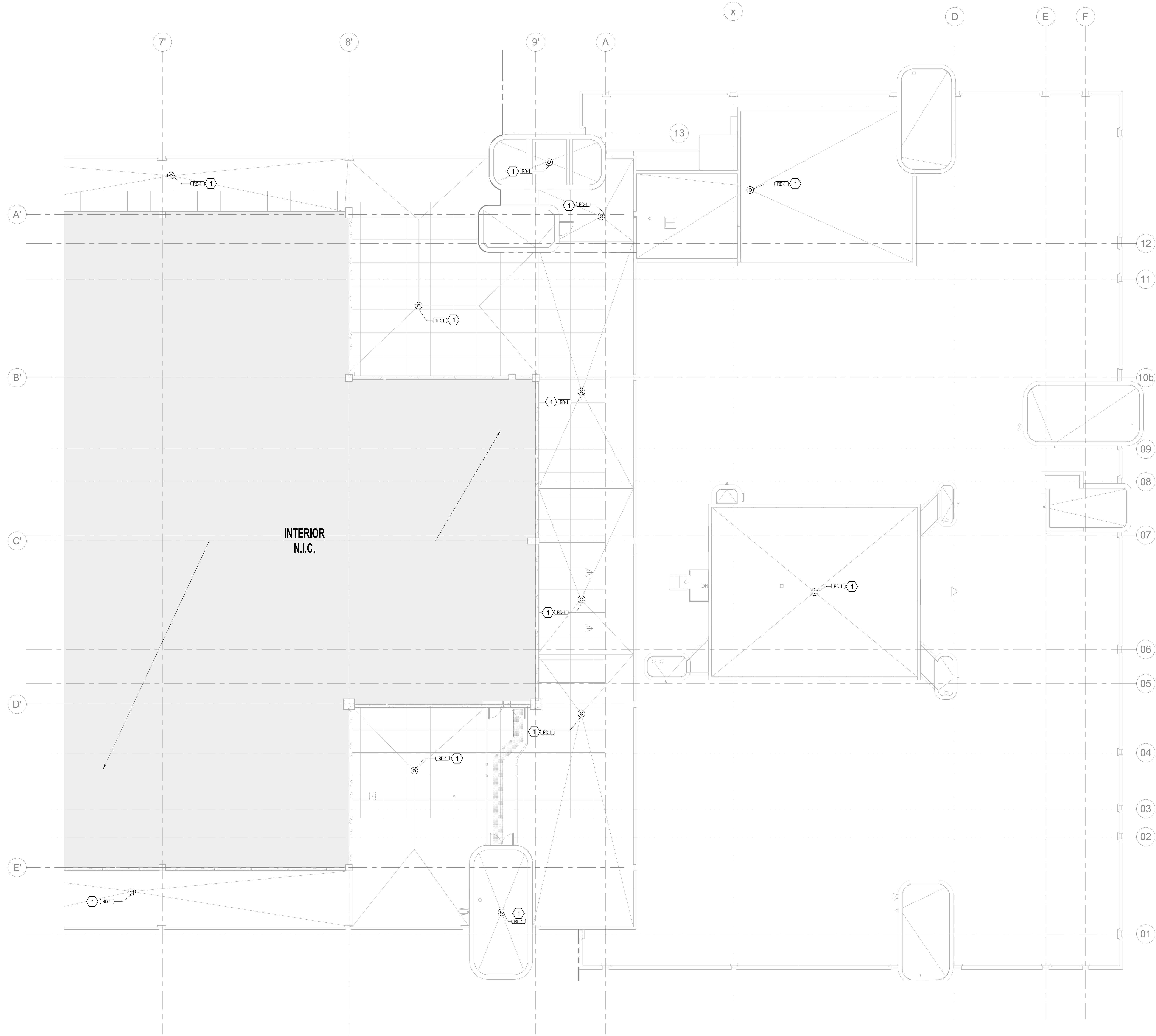
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SECOND FLOOR PLUMBING ROOF PLAN

SHEET NUMBER ISSUE
P.121 100



SECOND FLOOR PLUMBING ROOF PLAN - EAST 01
 1/8" = 1'-0"



KEYED NOTES
 ① REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

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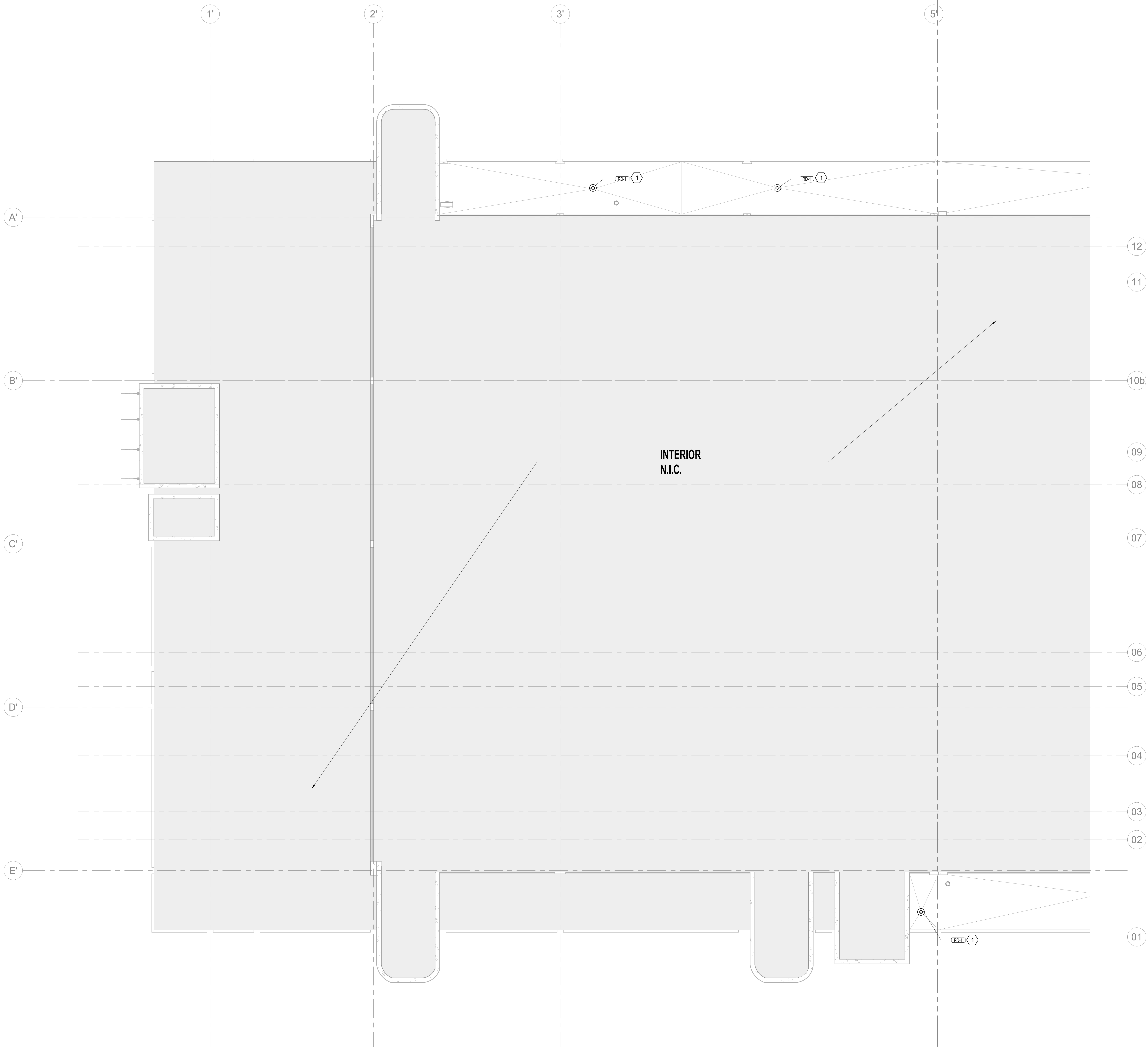
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 DATE: 2023.07.20

**THIRD FLOOR
 PLUMBING ROOF
 PLAN**

0 4' 8' 16'

THIRD FLOOR PLUMBING ROOF PLAN - EAST 01
 1/8" = 1'-0"

SHEET NUMBER ISSUE
P.122 100



KEYED NOTES
 ① REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

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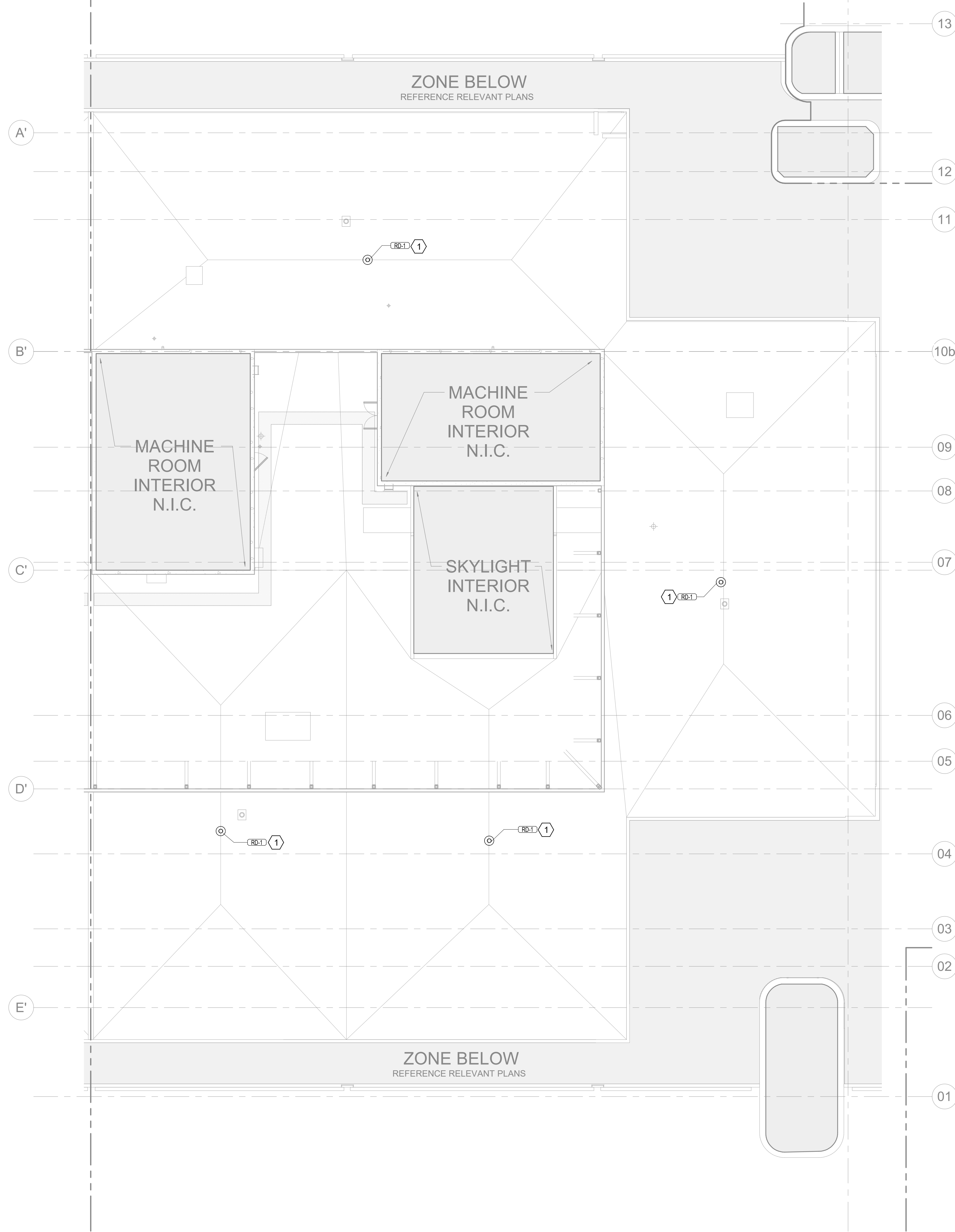
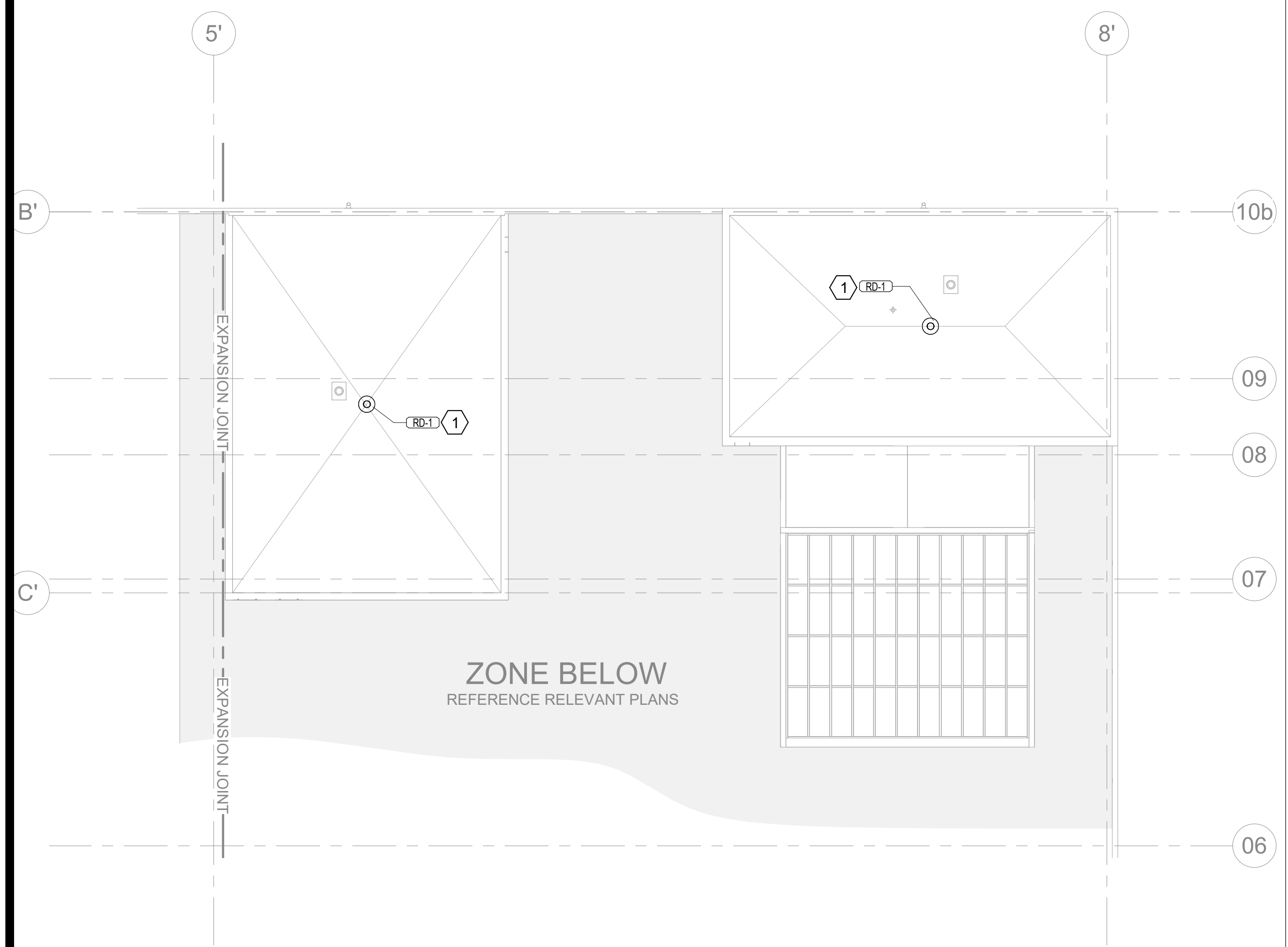
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**THIRD FLOOR
 PLUMBING ROOF
 PLAN**

0 4' 8' 16'
 1/8" = 1'-0"

THIRD FLOOR PLUMBING ROOF PLAN - WEST AND CENTER 01

SHEET NUMBER ISSUE
P.123 100



KEYED NOTES

1 REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE #	DATE	DESCRIPTION
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FIFTH FLOOR
 PLUMBING ROOF
 PLAN

SHEET NUMBER ISSUE
P.124 100

0 4' 8' 16'

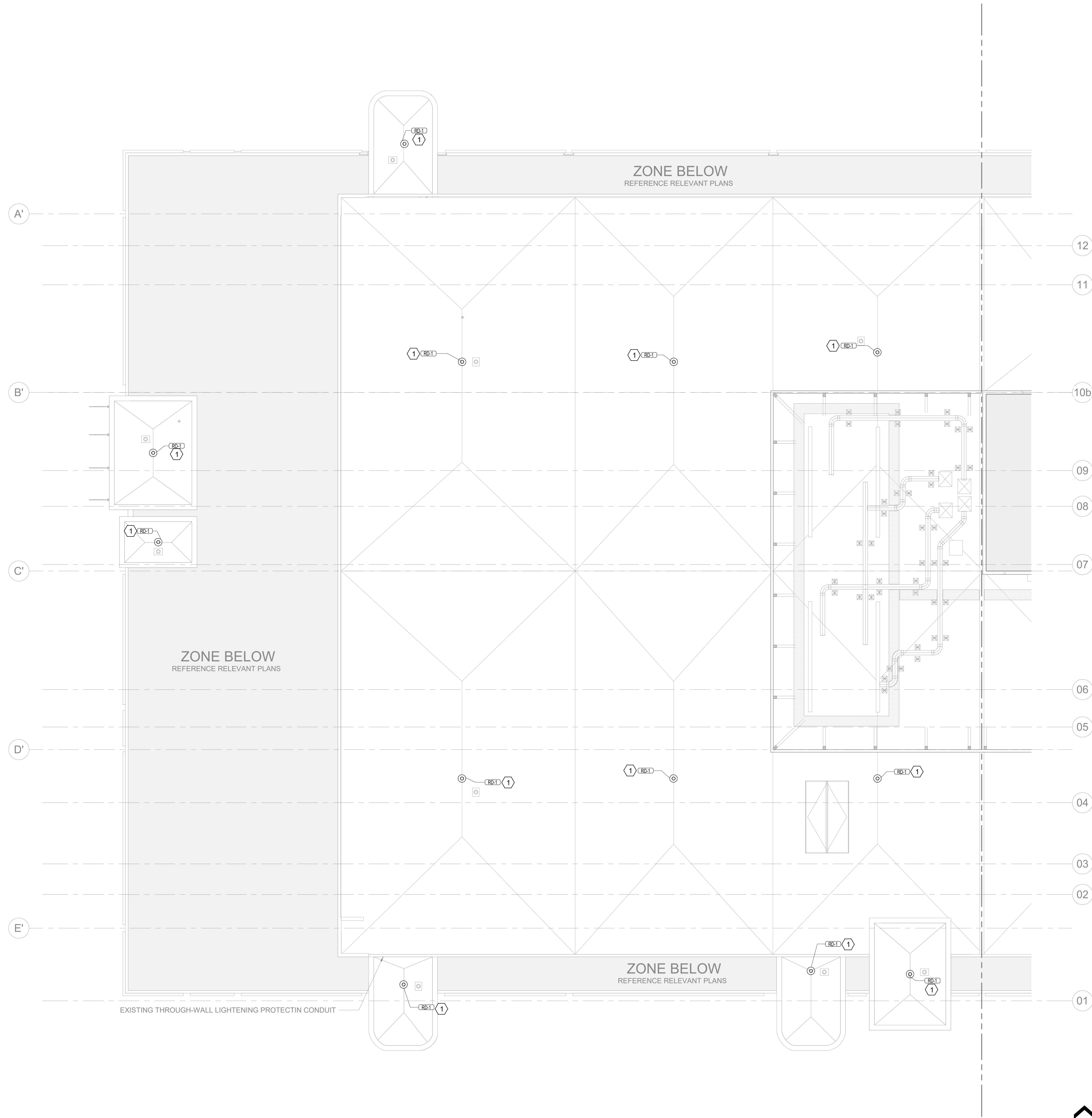
MACHINE ROOM PLUMBING ROOF PLAN - CENTER
 1/8" = 1'-0"

2

0 4' 8' 16'

FIFTH FLOOR PLUMBING ROOF PLAN - CENTER
 1/8" = 1'-0"

1



KEYED NOTES

#	DATE	DESCRIPTION
1		REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE

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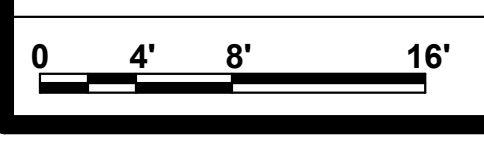
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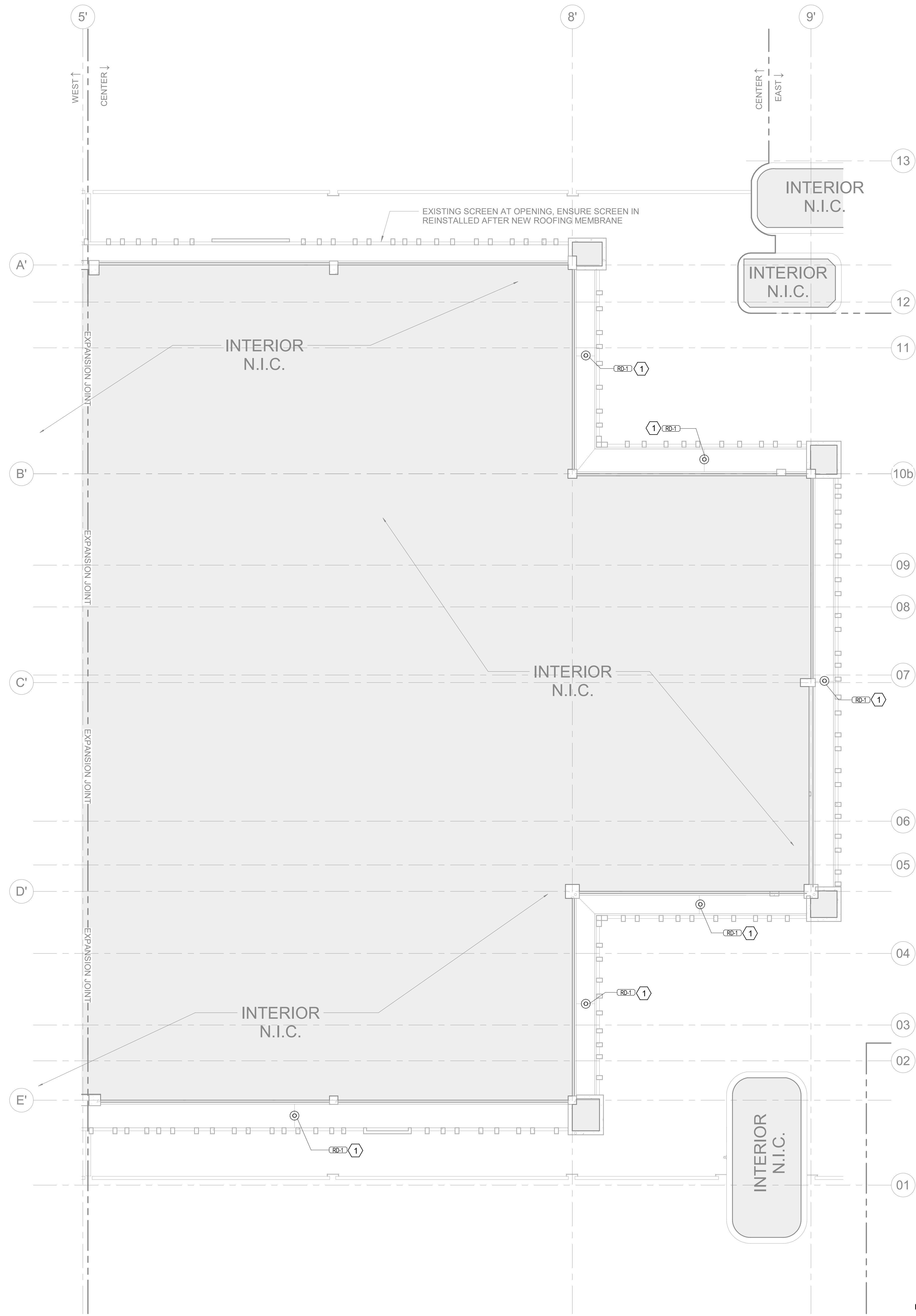
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PROJECT # 2215.03
 DATE: 2023.07.20

FIFTH FLOOR
 PLUMBING ROOF
 PLAN

SHEET NUMBER ISSUE
P.125 100





KEYED NOTES		
#	DATE	DESCRIPTION
1		REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE		
#	DATE	DESCRIPTION
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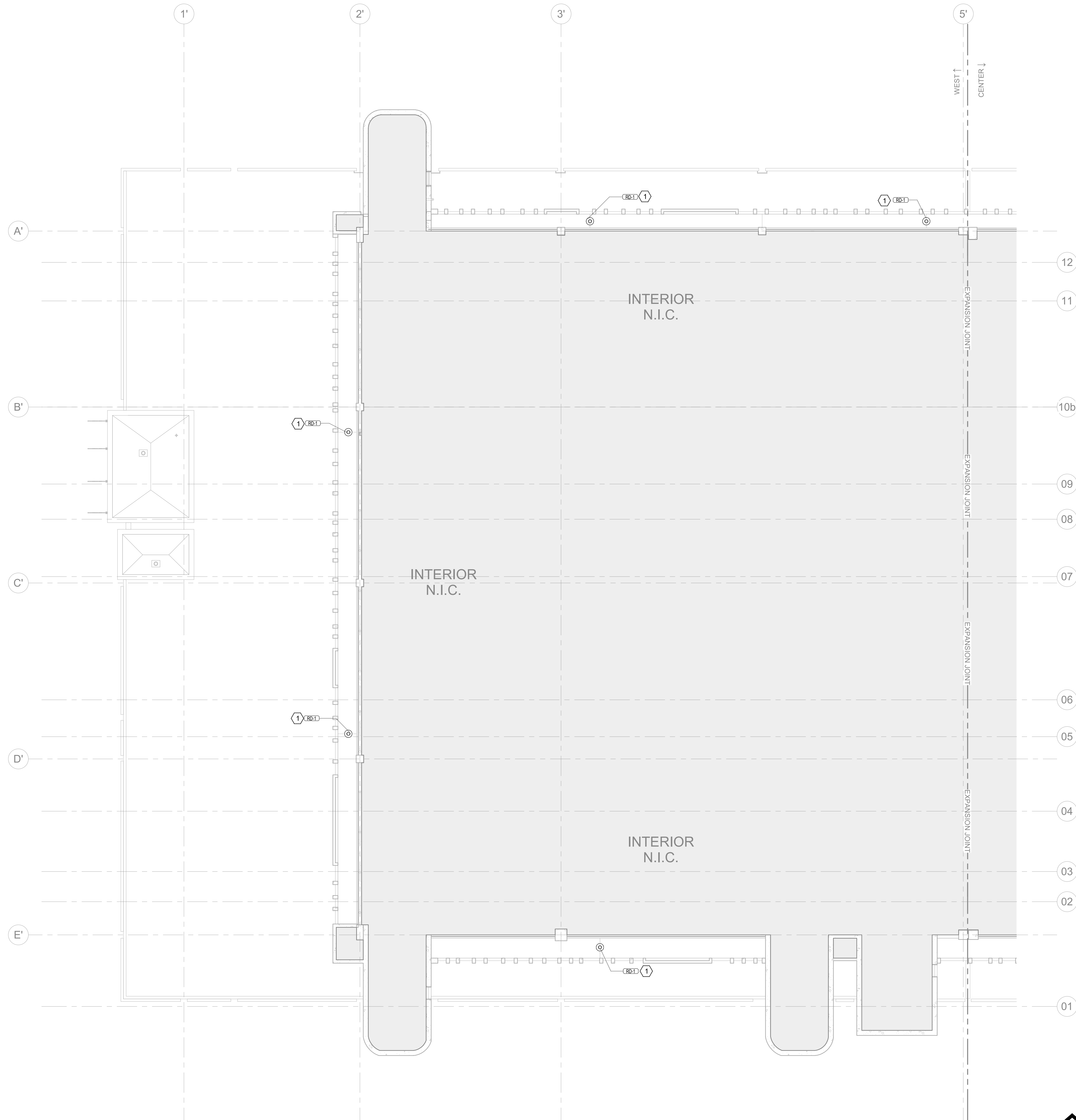
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FIFTH FLOOR
PLUMBING
BALCONY PLAN

0 4' 8' 16'

FIFTH FLOOR PLUMBING BALCONY PLAN - CENTRAL 1
1/8" = 1'-0"

SHEET NUMBER ISSUE
P.126 100



KEYED NOTES		
#	DATE	DESCRIPTION
1		REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE		
#	DATE	DESCRIPTION
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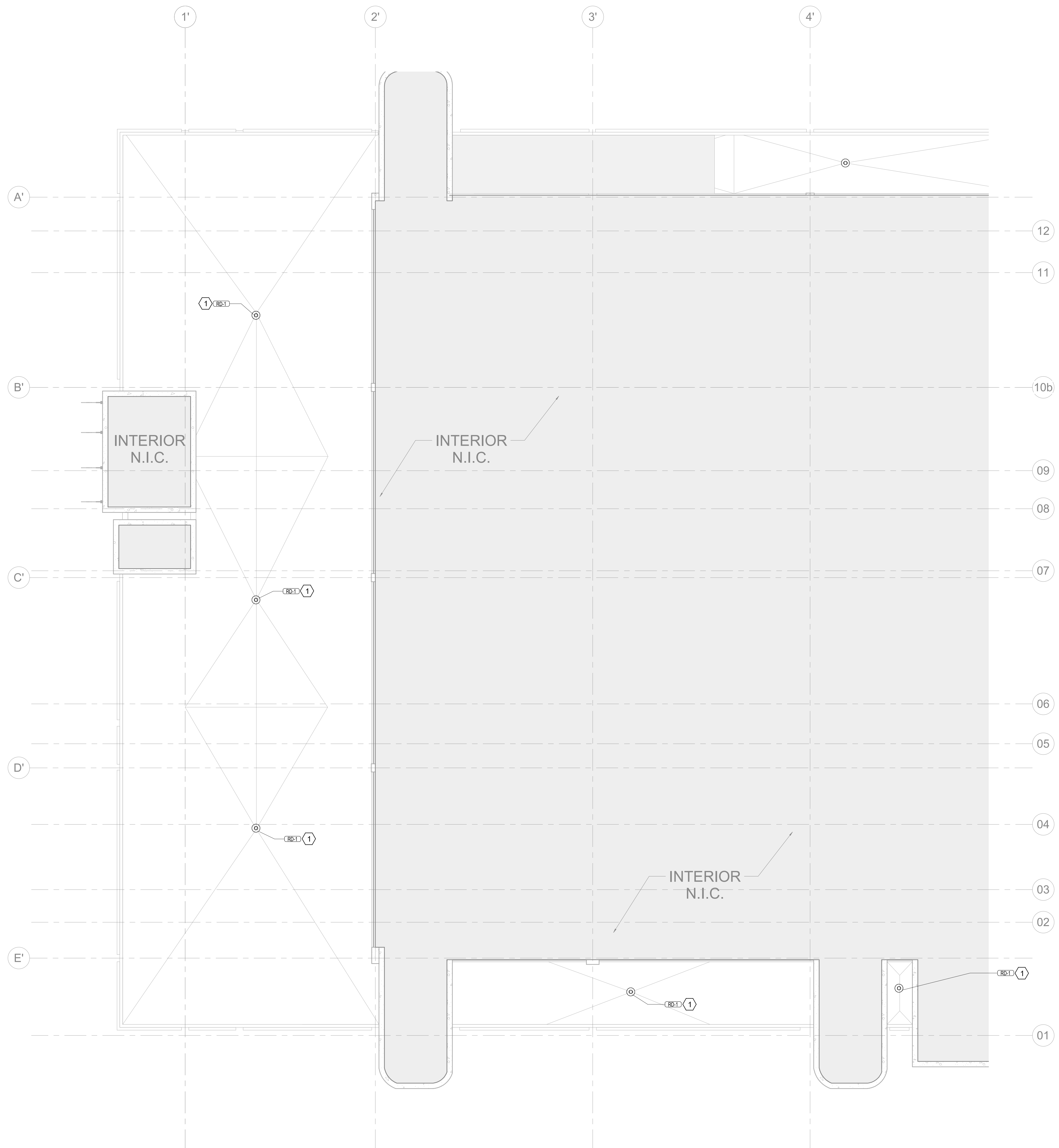
PROJECT # 2215.03
 DATE: 2023.07.20

FIFTH FLOOR
 PLUMBING
 BALCONY PLAN

0 4' 8' 16'

FIFTH FLOOR PLUMBING BALCONY PLAN - WEST
 1/8" = 1'-0"

SHEET NUMBER ISSUE
P.127 100



KEYED NOTES
 ① REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE #	DATE	DESCRIPTION
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JUSTIN P. MULHOLLAN, PE
 FL LICENSE # 71647

PROJECT # 2215.03
 DATE: 2023.07.20

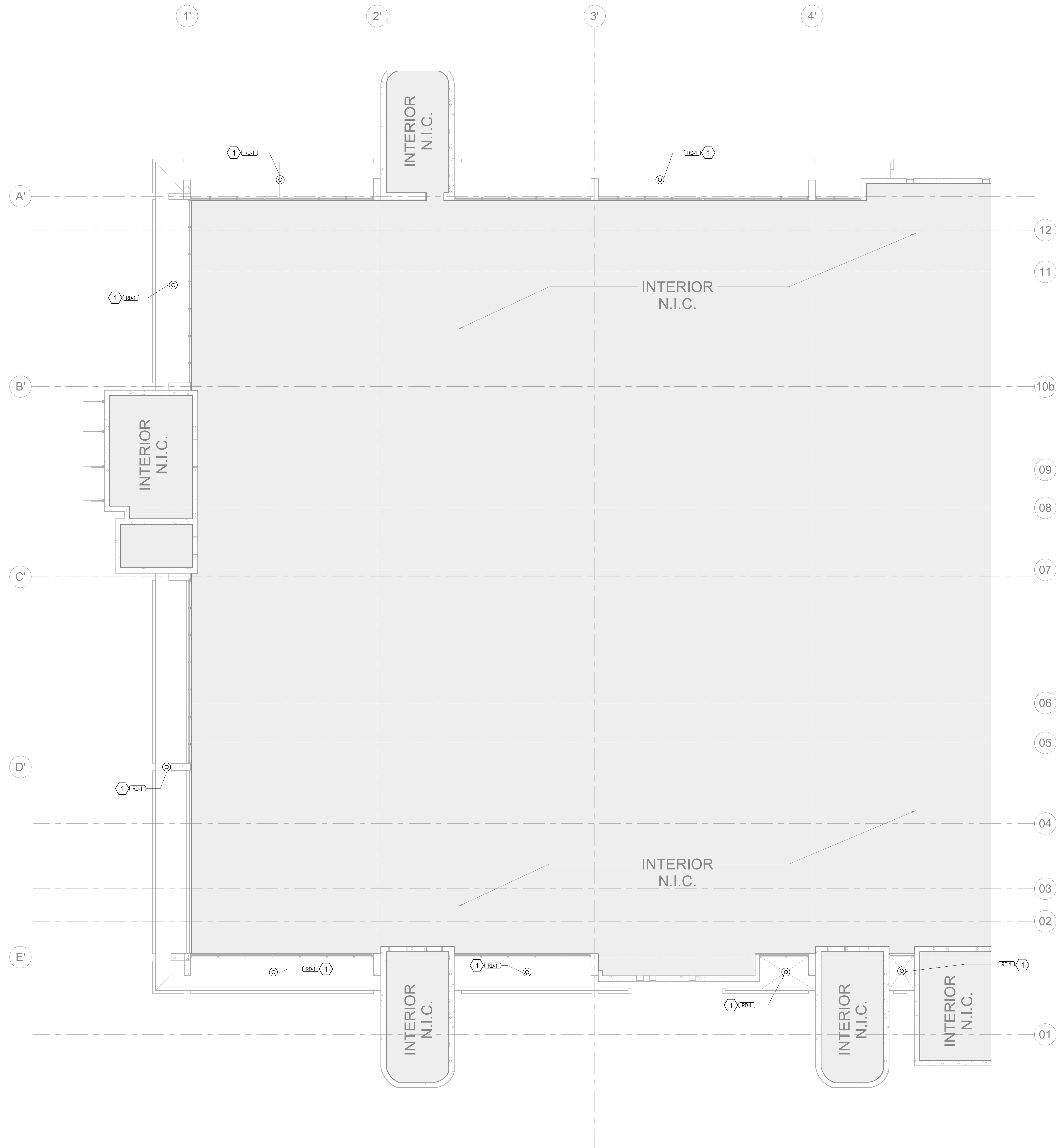
**THIRD FLOOR
 PLUMBING ROOF
 PLAN**

SHEET NUMBER ISSUE
P.128 100

0 4' 8' 16'

THIRD FLOOR PLUMBING ROOF PLAN - WEST 1
 1/8" = 1'-0"





KEYED NOTES

1 REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE #	DATE	DESCRIPTION
1		

**ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF**
101 E. Central Ave, Orlando, Florida 32801
PARCEL ID: 12-24-31-0000-00-002

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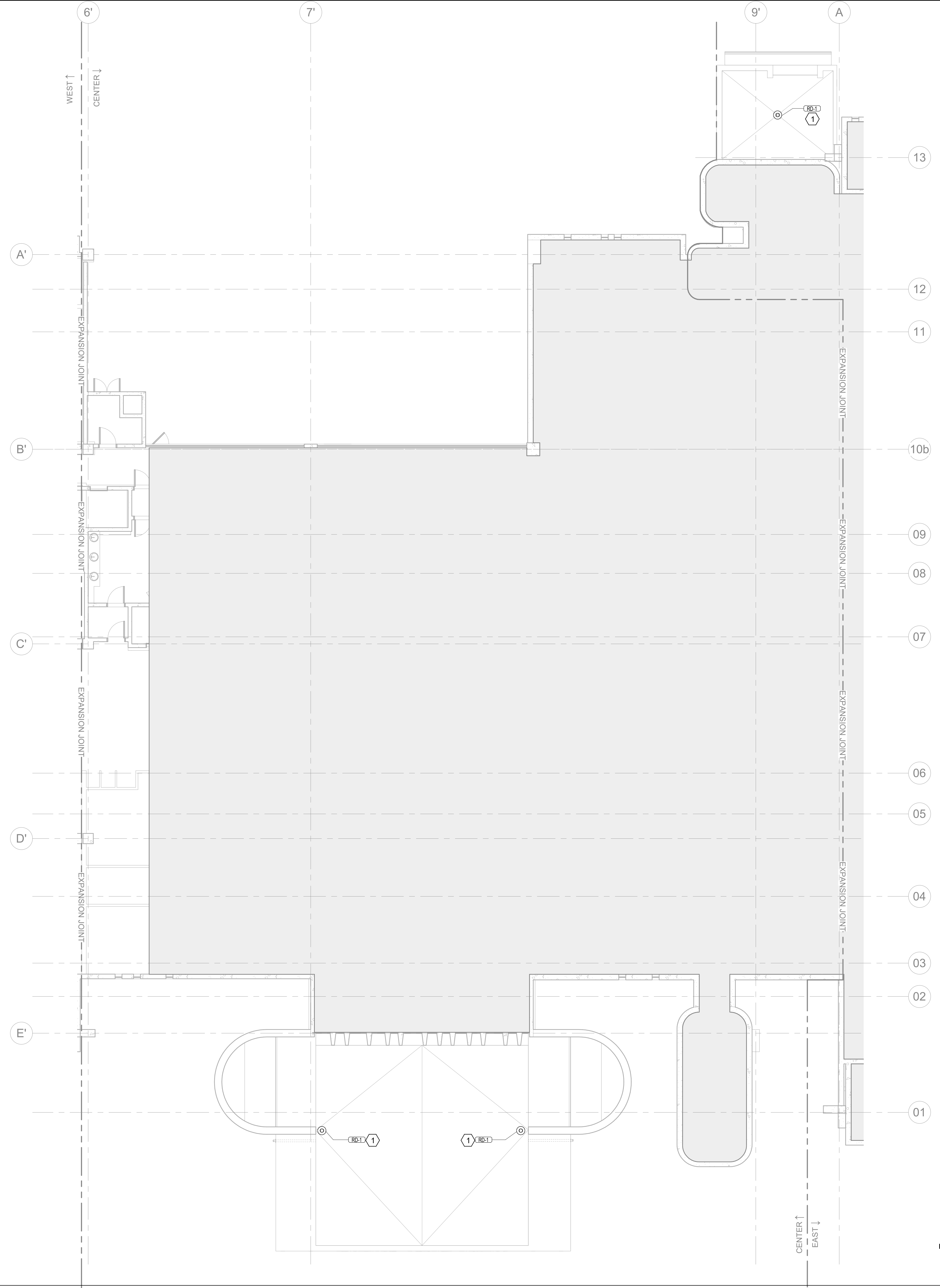
JUSTIN P. MULHOLLAN, PE
FL LICENSE # 71647

PROJECT # 2215.03
DATE: 2023.07.20

**THIRD FLOOR
PLUMBING
BALCONY PLAN**

SHEET NUMBER ISSUE
P.129 100

0 4' 8' 16'



KEYED NOTES

① REPLACE EXISTING ROOF DRAIN WITH NEW DRAIN OF SAME PIPE SIZE. CONTRACTOR TO VERIFY PIPE SIZE OF EACH ROOF DRAIN PRIOR TO PROCUREMENT.

ISSUE #	DATE	DESCRIPTION
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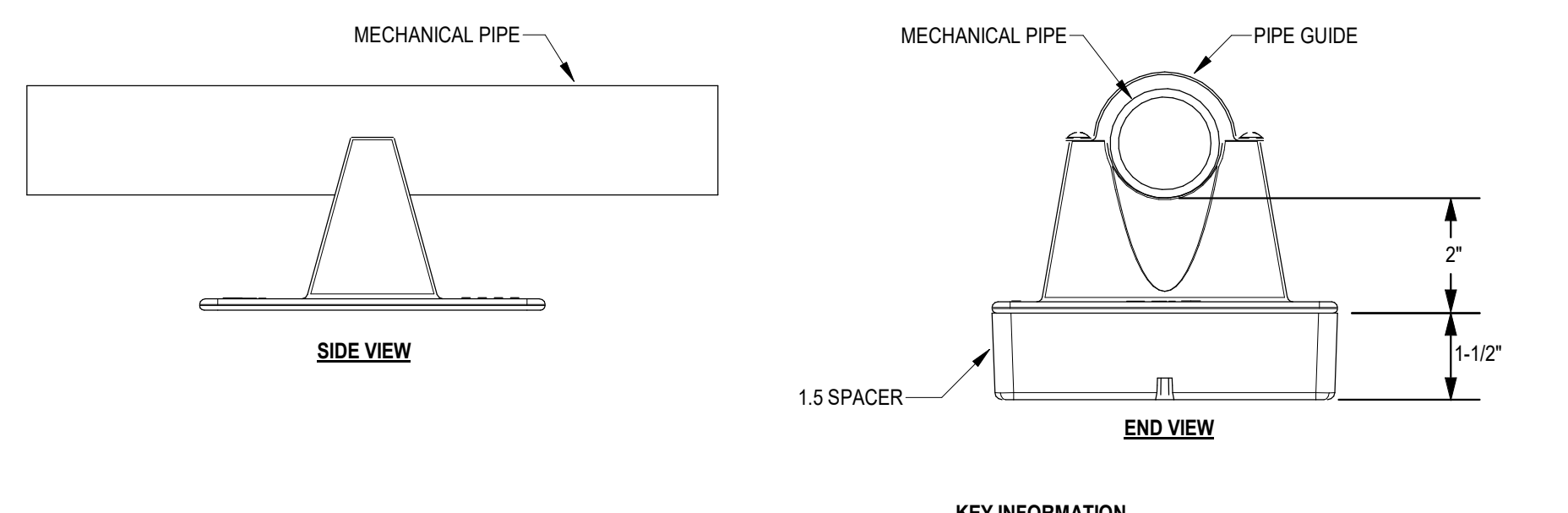
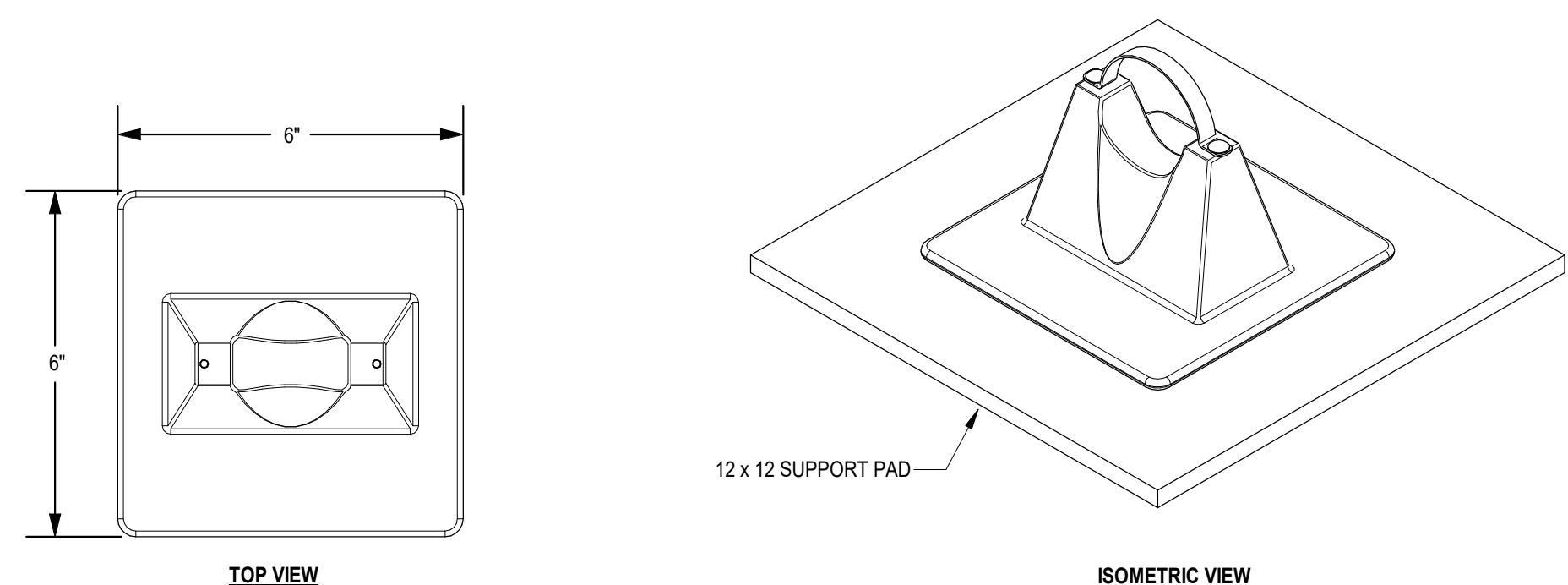
PROJECT # 2215.03
DATE: 2023.07.20

FIRST FLOOR PLUMBING ROOF PLAN

SHEET NUMBER ISSUE
P.130 100

0 4' 8' 16'

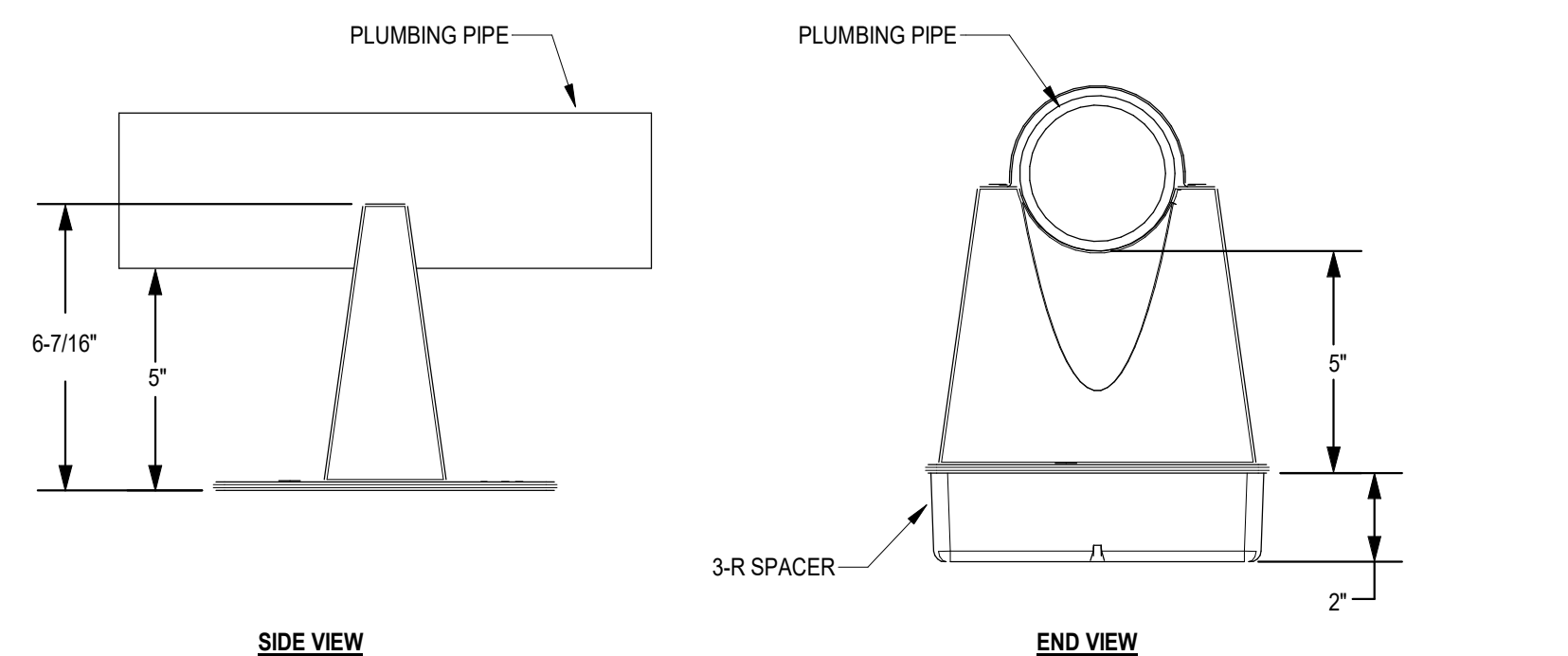
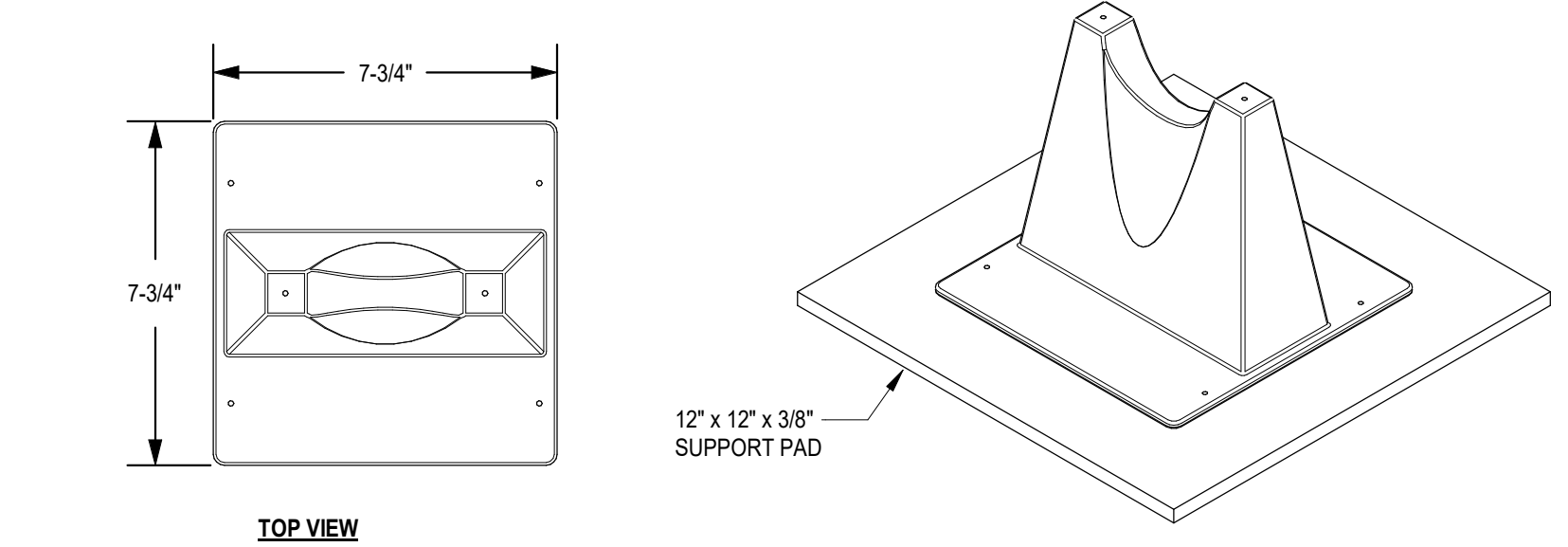
FIRST FLOOR PLUMBING ROOF PLAN - CENTER 1
1/8" = 1'-0"



KEY INFORMATION

- Support is optimized to carry up to a 1-1/2" pipe.
- Maximum pipe OD for the support is 1.9".
- Pipe clearance is 2".
- Maximum load is 72 lbs. based on 3.0 psi to the roof deck. Even load required.
- 62 per case, 21 lbs. per case. (DW= 17 lbs.)
- Recommended spacing is not to exceed 7' centers depending upon the load. Make certain each pipe support is properly elevated to evenly distribute weight at all pipe support locations.
- Base Material: Polycarbonate
- 20 Year Warranty
- Secure to roof per Roofing Contractor
- Provide spacers to slope pipe at 1/8" per foot.

01 ROOF PIPE SUPPORT - 1-1/2" OR SMALLER
M.000 / N.T.S.



KEY INFORMATION

- Support is optimized to carry up to a 3" pipe. Maximum pipe OD for the support is 3.0".
- Pipe clearance is 5".
- 3-R Spacer accessory adds an additional 2" of height per spacer. Manufacturer recommends a maximum of (2) spacer be used.
- Maximum load is 120 lbs. based on 3.0 psi to the roof deck. Even load required.
- 16 per case, 20 lbs. per case. (DW= 16 lbs.)
- Recommended spacing is not to exceed 10' centers depending upon the load. Make certain each pipe support is properly elevated to evenly distribute weight at all pipe support locations.
- Base Material: Polycarbonate
- 20 Year Warranty
- Secure to roof per Roofing Contractor
- Provide spacers to slope pipe at 1/8" per foot.

02 ROOF PIPE SUPPORT - 3" OR SMALLER
M.000 / N.T.S.

HVAC SYMBOL LEGEND		HVAC ABBREVIATIONS		SPECIFICATIONS		HVAC GENERAL NOTES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
	CEILING DIFFUSER, ROUND NECK (CEILING DIFFUSERS ARE 4WAY THROW UNO)	AFD	ADJUSTABLE FREQUENCY DRIVE	LD	LINEAR DIFFUSER	1.0	BASIC MATERIAL AND METHODS
	ROUND DIFFUSER	AFB	ABOVE FINISHED FLOOR	MBH	-THOUSAND BTU/L PER HOUR	1.1	SCOPE OF WORK
	CEILING RETURN	AFR	ABOVE FINISHED ROOF	MCA	MINIMUM CIRCUIT AMPS		PROVIDE LABOR AND MATERIALS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING AND COMPLETE HVAC SYSTEM AS INDICATED ON DRAWINGS. THESE DRAWINGS ARE DIAGNOSTIC IN NATURE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. FINAL LOCATIONS OF EQUIPMENT SHALL BE FIELD DETERMINED. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO SUBMISSION OF BIDS.
	CEILING EXHAUST	AHU	AIR HANDLING UNIT	MCCP	MAXIMUM OVER CURRENT PROTECTION	1.2	GENERAL AND SPECIAL CONDITIONS
	CEILING DIFFUSER, RECTANGULAR OR SQUARE NECK (CEILING DIFFUSERS ARE 4WAY THROW UNO)	AP	ACCESS PANEL	MOD	MOTOR OPERATED CONTROL DAMPER (MOD)		ALL ARCHITECTURAL, GENERAL AND SPECIAL CONDITIONS OUTLINED IN THE CONTRACT DOCUMENTS APPLY TO MECHANICAL SYSTEMS. ADDITIONALLY, WORK SHALL COMPLY WITH FLORIDA BUILDING CODE, 2020 EDITION AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION, NATIONAL FIRE PROTECTION ASSOCIATION, AND NATIONAL ELECTRICAL CODE. ALL EQUIPMENT SHALL CARRY THE UNDERWRITERS LABORATORIES (UL) SEAL WHERE APPLICABLE.
	SUPPLY REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)	BOP	BOTTOM OF PIPE	NC	NORMALLY CLOSED	1.3	QUALITY CONTROL
	RETURN/EXHAUST REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)	BHP	BRAKE HORSEPOWER	NO	NORMALLY OPEN		UNLESS OTHERWISE NOTED, PROVIDE NEW MATERIALS FREE OF DEFECTS. WHERE NO SPECIFIC WEIGHTS OR GRADES ARE SPECIFIED PROVIDE MATERIALS OF AN ACCEPTED STANDARD WEIGHT AND GRADE ACCORDING TO CODE AND GOVERNING STANDARDS BY ASHRAE, SMACNA, NFPA, AND UL. INSTALL ALL EQUIPMENT, PIPING, DUCTWORK, AND CONTROLS IN ACCORDANCE WITH CODES, GOVERNING STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
	REVISION REFERENCE	BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE		FIRE PERFORMANCE CHARACTERISTICS OF INSTALLED MATERIALS SHALL BE RATED IN ACCORDANCE WITH ASTM E84. MAXIMUM FLAME SPREAD RATING SHALL BE 25 AND MAXIMUM SMOKE DEVELOPED RATING SHALL BE 50.
	DETAIL REFERENCE, TOP DETAIL, BOTTOM DRAWING SHOWN ON	CL	CENTER LINE	OA	OUTSIDE AIR	1.4	COORDINATION
	THERMOSTAT/TEMPERATURE SENSOR	CFM	CFM (CUBIC FEET PER MINUTE)	OA/L	OUTSIDE AIR LOUVER		COORDINATE ALL WORK FOR PROPER LOCATION, POWER, AND UTILITY REQUIREMENTS. SCHEDULE INSTALLATIONS TO AVOID CONFLICT AMONG TRADES. ADDITIONS TO THE CONTRACTOR COORDINATION AMONG TRADES WILL NOT BE ALLOWED.
	HUMIDISTAT/HUMIDITY SENSOR	CD	CEILING DIFFUSER	PRV	PRESSURE REDUCING VALVE	1.5	HANGERS AND SUPPORTS
	DUCT SMOKE DETECTOR	CT	COOLING TOWER	PRS	PRESSURE REDUCING STATION		PROVIDE SUPPORTS FOR ALL PIPING AND EQUIPMENT IN ACCORDANCE WITH SMACNA, MSS, ASME, AND ASHRAE STANDARDS. SUPPORT ALL ITEMS FROM INTEGRAL BUILDING STRUCTURAL MEMBERS.
	CONNECT TO EXISTING	CV	CONSTANT AIR VOLUME	PSI	POUNDS PER SQUARE INCH		MANUFACTURERS, SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING: a. MRO INDUSTRIES b. APPROVED EQUIVALENT
	DEMOLISH TO POINT INDICATED	ΔP	CHANGE IN PRESSURE	PSIG	PSI GAUGE		SPACING SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATION.
	MOTORIZED CONTROL DAMPER	ΔT	CHANGE IN TEMPERATURE	PTAC	PACKAGED TERMINAL AIR CONDITIONER		
	TEMPERATURE SENSOR	CFM	CUBIC FEET PER MINUTE	PVC	POLYVINYL CHLORIDE PIPE		
	PRESSURE SENSOR	CU	CONDENSING UNIT	RA	RETURN AIR		
	BACKDRAFT DAMPER	DDC	DIRECT DIGITAL CONTROLS	RHC	REHEAT COIL		
	NEUTRAL RELATIVE PRESSURE	DN	DOWN	RHP	REOFTOP HEAT PUMP		
	POSITIVE RELATIVE PRESSURE	EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE		
	NEGATIVE RELATIVE PRESSURE	ESP	EXTERNAL STATIC PRESSURE	RSU	REFRIGERANT SUCTION & LIQUID LINES		
	SHEET NOTE CALLOUT	EWT	ENTERING WATER TEMPERATURE	RTU	ROOFTOP AIR HANDLING UNIT		
	SHEET NOTE CALLOUT	FCU	FAN COIL UNIT	SA	SUPPLY AIR		
	SHEET NOTE CALLOUT	FD	FIRE DAMPER	SP	STATIC PRESSURE		
	CEILING MOUNTED ACCESS DOOR	FF	FINAL FILTERS	TSP	TOTAL STATIC PRESSURE		
	SQUARE THROAT ELBOW WITH TURNING VANES	FLA	FULL LOAD AMPS	UNO	UNLESS NOTED OTHERWISE		
	RADIUS ELBOW	FFM	FEET PER MINUTE	VPH	VOLTS/PHASE		
	RECTANGULAR ROUND BRANCH TAKEOFF OR ROUND ROUND BRANCH TAKE OFF	GPM	GALLONS PER MINUTE	VAV	VARIABLE AIR VOLUME		
	EXHAUST DUCT UP THROUGH SLAB WITH FAN ON ROOF ABOVE	KW	KILOWATT	VFD	VARIABLE FREQUENCY DRIVE		
	EXHAUST FAN ON ROOF WITH DUCT DOWN THROUGH ROOF	LAT	LEAVING AIR TEMPERATURE				
	EXHAUST FAN ON ROOF WITH DUCT DOWN THROUGH ROOF	LWT	LEAVING WATER TEMPERATURE				

HVAC PIPING SYMBOL LEGEND		HVAC EQUIPMENT TAGS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CONDENSER WATER SUPPLY		P-TRAP
	CONDENSER WATER RETURN		TWO-WAY CHECK VALVE
	CHILLED WATER SUPPLY		BALL VALVE
	CHILLED WATER RETURN		CALIBRATING BALANCING VALVE
	CONDENSATE		BUTTERFLY VALVE
	CONDENSATE RETURN		GAS COCK
	PUMPED CONDENSATE		UNION
	HOT WATER RETURN		STRAINER
	HOT WATER SUPPLY		CONTROL VALVE
	HIGH PRESSURE STEAM SUPPLY		SOLENOID VALVE
	MEDIUM PRESSURE STEAM SUPPLY		PSI REG.
	LOW PRESSURE STEAM SUPPLY		CHECK VALVE
	HIGH PRESSURE STEAM RETURN		FLOW SWITCH
	MEDIUM PRESSURE STEAM RETURN		SLOPE DIRECTION (DOWN)
	LOW PRESSURE STEAM RETURN		FLEX CONNECTION
	REFRIGERANT LIQUID		O.S. & Y. GATE VALVE
	REFRIGERANT SUCTION		STEAM TRAP
	TEE, OUTLET DOWN		THREE-WAY CONTROL VALVE
	TEE, OUTLET UP		THERMOMETER
	45° PIPE RISE (R) / DROP (D)		
	PIPE ANCHORS		
	CONCENTRIC REDUCER		
	ECCENTRIC REDUCER		

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

ISSUE

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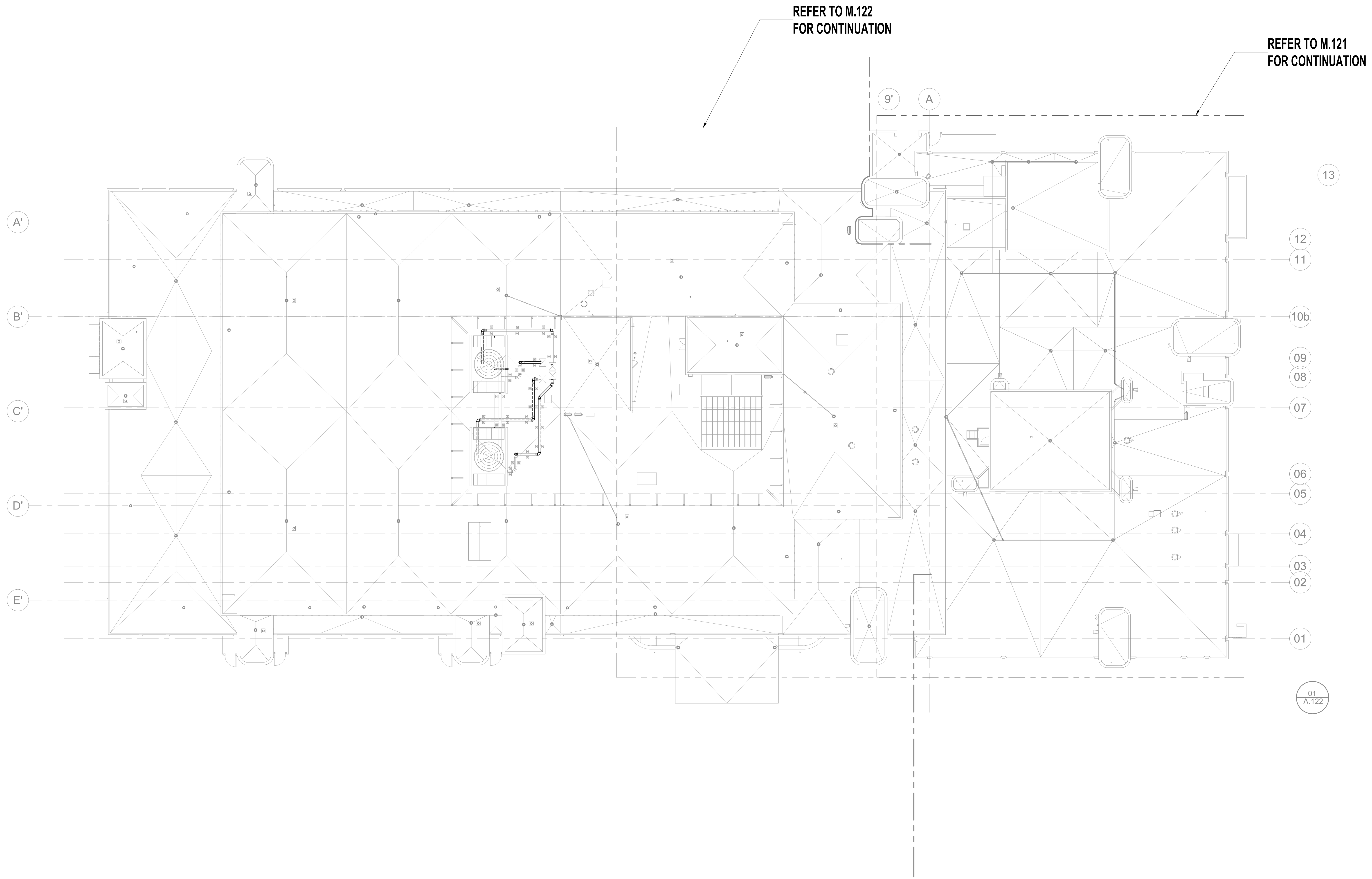
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JUSTIN P. MULHOLLAN, PE
FL LICENSE # 71647

PROJECT # 2215.03
DATE: 2023.07.20

MECHANICAL SYMBOLS, LEGEND, NOTES AND INDEX

SHEET NUMBER M.000
ISSUE 100



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PROJECT # 2215.03
DATE: 2023.07.20

OVERALL
MECHANICAL
ROOF PLAN -
PHASE 1

SHEET NUMBER ISSUE

M.001 100

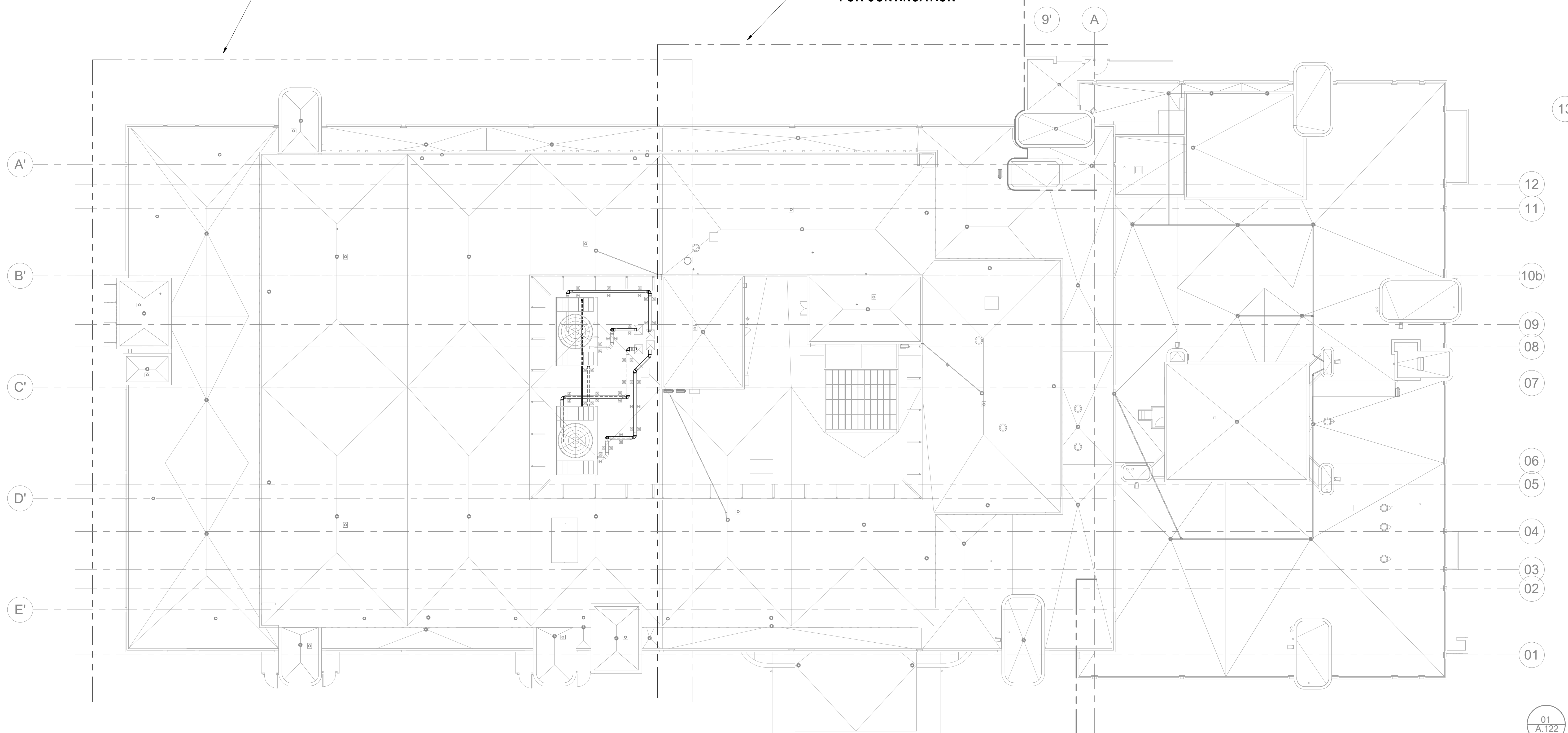
0 8' 16' 32'

OVERALL MECHANICAL ROOF PLAN - PHASE 1 | 01
1/16" = 1'-0"



REFER TO M.125
FOR CONTINUATION

REFER TO M.124
FOR CONTINUATION



0 8' 16' 32'

OVERALL MECHANICAL ROOF PLAN - PHASE 2
1/16" = 1'-0"



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DATE DESCRIPTION
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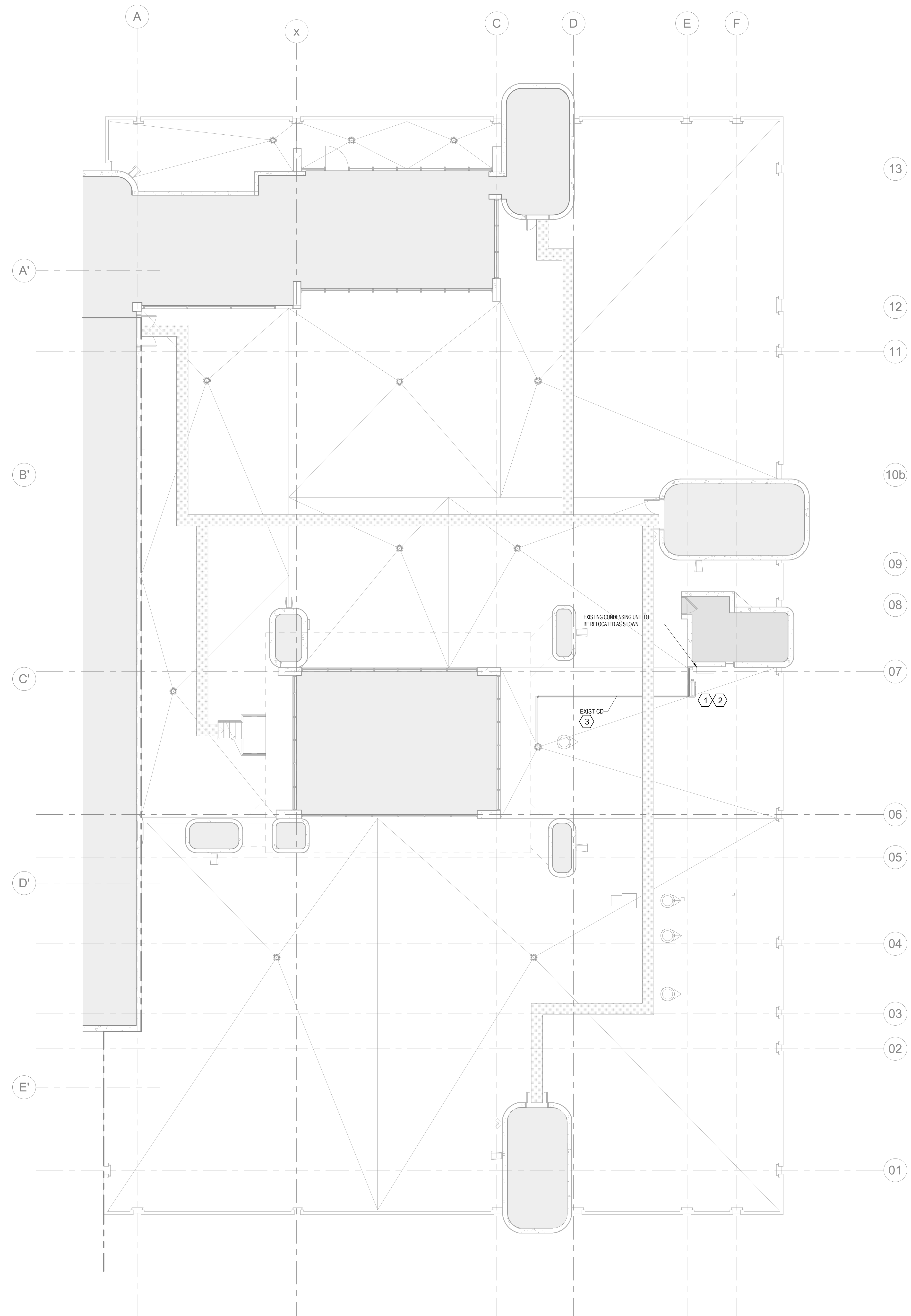
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PROJECT # 2215.03
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OVERALL
MECHANICAL
ROOF PLAN -
PHASE 2

SHEET NUMBER ISSUE
M.002 100



GENERAL NOTES

1. PROTECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN DURING COURSE OF REROOFING.

KEYED NOTES

- ① RELOCATE EXISTING CONDENSING UNIT TO WALL AS INDICATED ON PLANS. CONDENSING UNIT TO BE WALL-MOUNTED WITH RECTORSEAL HURRICANE RATED WALL CONDENSER BRACKET (NCA # 21-1012.03) OR APPROVED EQUAL. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MOUNTING BRACKET TO WALL AND CONDENSING UNIT TO BRACKET. PROVIDE REFRIGERANT CHARGE PER MANUFACTURER'S REQUIREMENTS FOR NEW PIPE LENGTH.
- ② DEMOLISH EXISTING CONDENSING UNIT ROOF PAD
- ③ EXISTING CONDENSATE PIPE SUPPORTS TO BE REPLACED WITH MIRO INDUSTRIES MODEL 1.5 OR APPROVED EQUAL. REFER TO DETAILS ON M.001 FOR MORE INFORMATION. EXISTING CONDENSATE PIPING AND INSULATION TO REMAIN. PROTECT IN PLACE DURING ROOFING REPLACEMENT.

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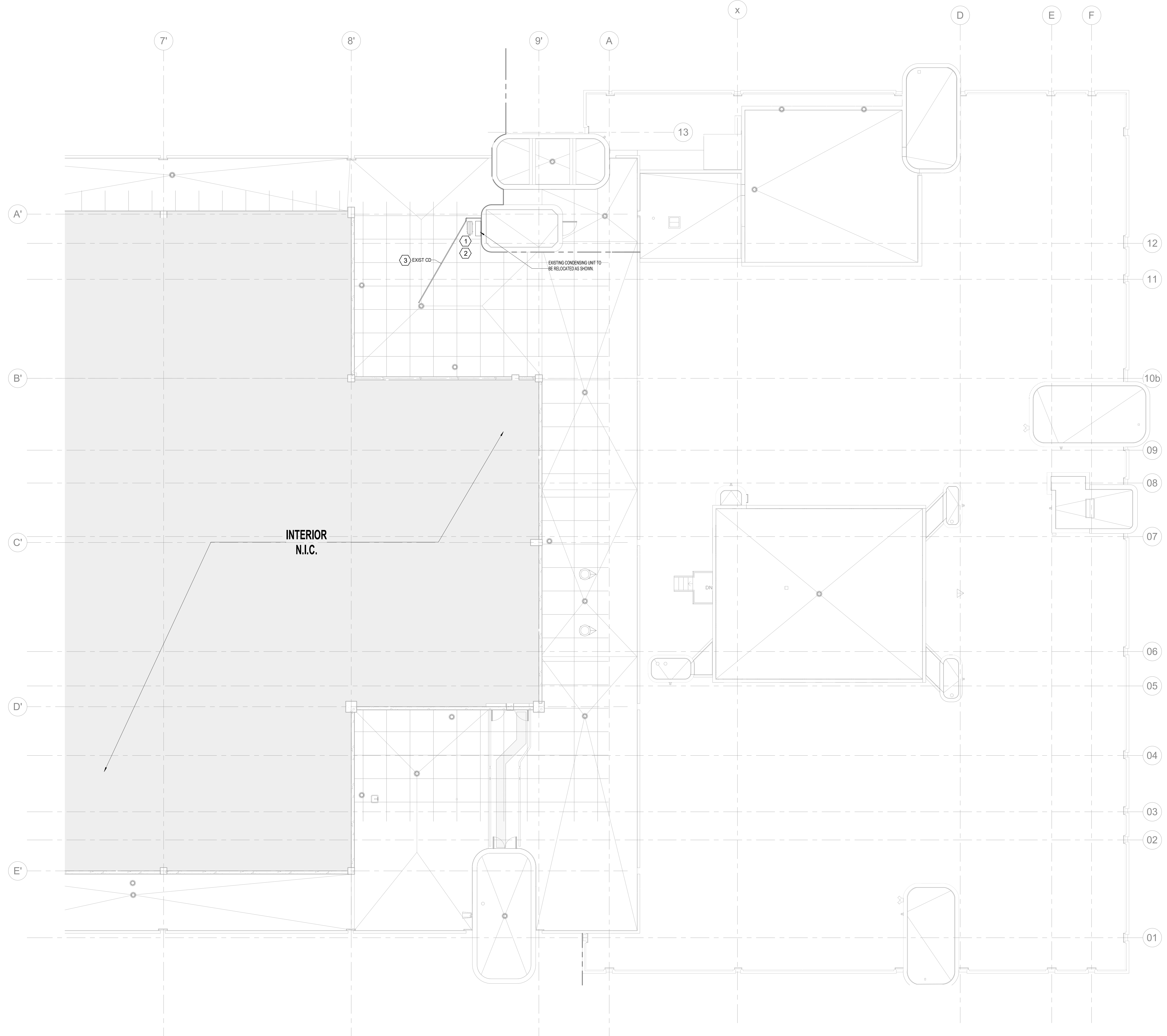
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**SECOND FLOOR
 MECHANICAL
 ROOF PLAN**

0 4' 8' 16'
 1/8" = 1'-0"

SECOND FLOOR MECHANICAL ROOF PLAN - EAST 1

SHEET NUMBER ISSUE
M.121 100



GENERAL NOTES
 1. PROTECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN DURING COURSE OF REROOFING.

KEYED NOTES

① RELOCATE EXISTING CONDENSING UNIT TO WALL AS INDICATED ON PLANS. CONDENSING UNIT TO BE WALL-MOUNTED WITH RECTORSEAL HURRICANE RATED WALL CONDENSER BRACKET (NOA # 21-1012.03) OR APPROVED EQUAL. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MOUNTING BRACKET TO WALL AND CONDENSING UNIT TO BRACKET. PROVIDE REFRIGERANT CHARGE PER MANUFACTURER'S REQUIREMENTS FOR NEW PIPE LENGTH.

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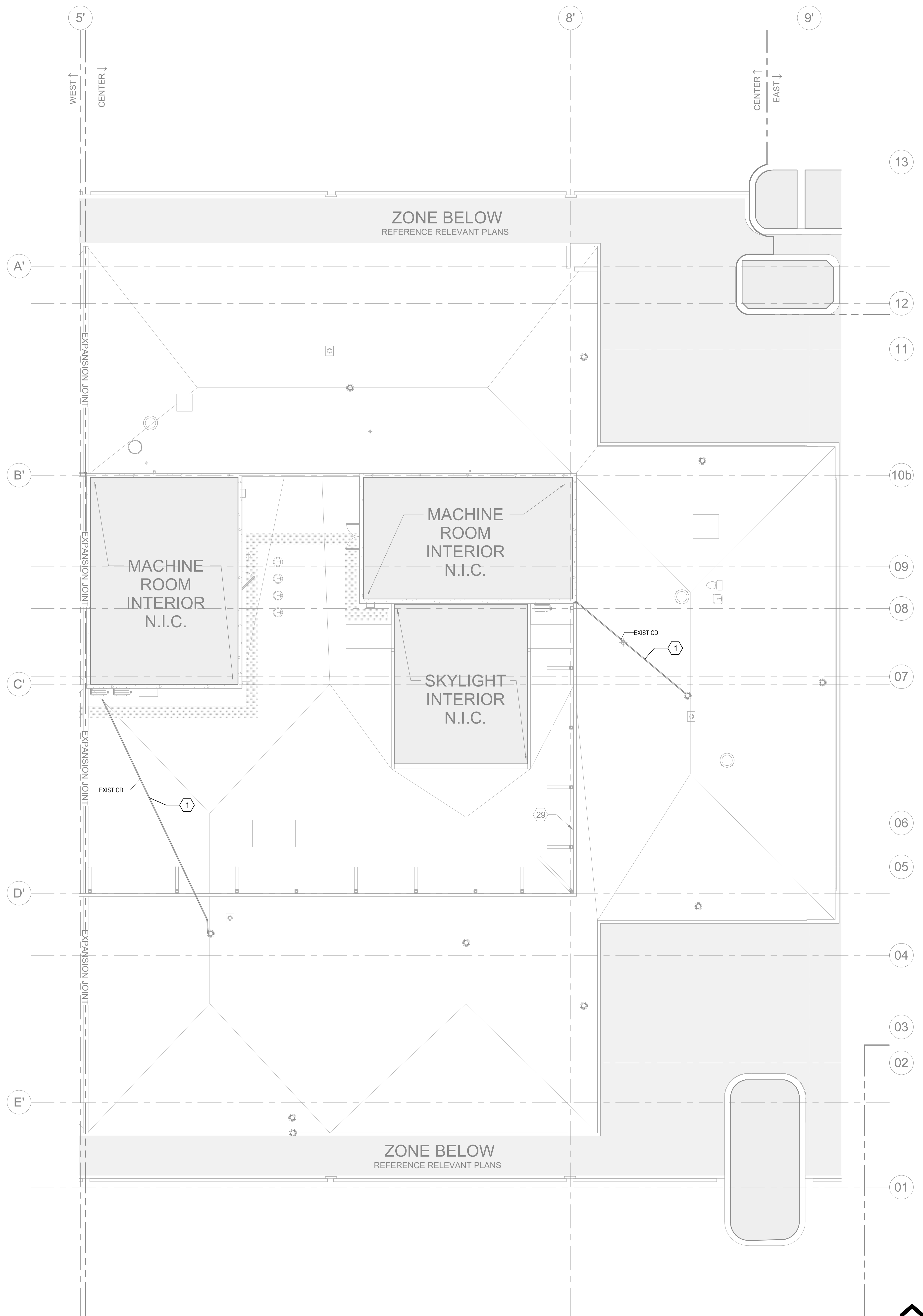
PROJECT # 2215.03
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THIRD FLOOR MECHANICAL ROOF PLAN

0 4' 8' 16'

THIRD FLOOR MECHANICAL ROOF PLAN - EAST 01
 1/8" = 1'-0"

SHEET NUMBER ISSUE
M.122 100



GENERAL NOTES
 1. PROTECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN DURING COURSE OF REROOFING.

KEYED NOTES
 ① EXISTING CONDENSATE PIPE SUPPORTS TO BE REPLACED WITH MIRO INDUSTRIES MODEL 1.5 OR APPROVED EQUAL. REFER TO DETAILS ON M.001 FOR MORE INFORMATION. EXISTING CONDENSATE PIPING AND INSULATION TO REMAIN. PROTECT IN PLACE DURING ROOFING REPLACEMENT.

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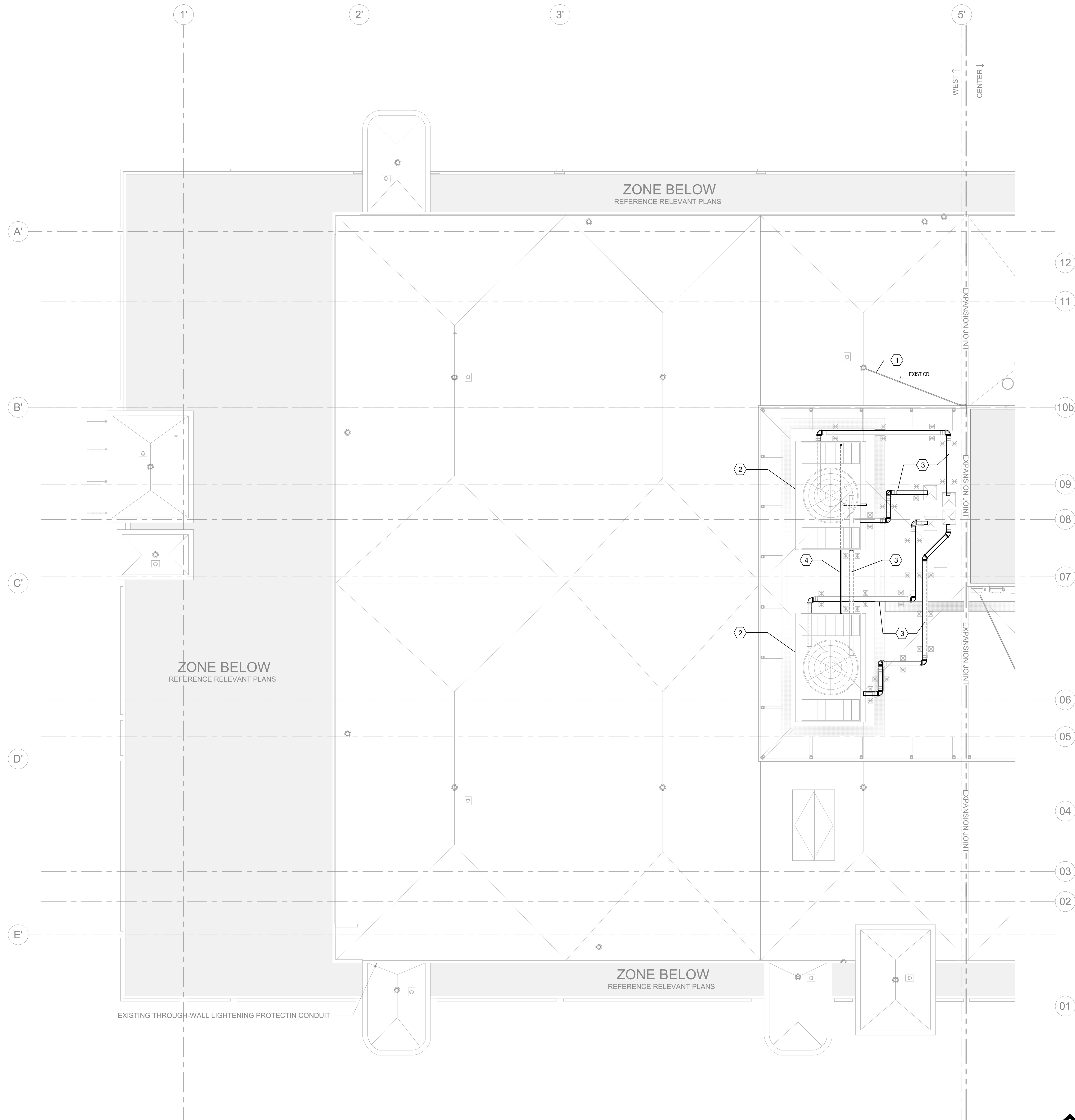
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FIFTH FLOOR MECHANICAL ROOF PLAN

SHEET NUMBER ISSUE
M.124 100

0 4' 8' 16'

FIFTH FLOOR MECHANICAL ROOF PLAN - CENTRAL 1
 1/8" = 1'-0"



GENERAL NOTES

1. ONLY ONE COOLING TOWER SHALL BE OUT OF SERVICE AT A TIME. CONTRACTOR TO COORDINATE SHUTDOWN TIME WITH OWNER. ENSURE REQUIRED POSITION CHANGES (OPEN OR CLOSED) FOR VALVES AT CWS PUMPS IN CHILLER ROOM TO ACCOMMODATE COOLING TOWER SHUTDOWN.
2. PROTECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN DURING COURSE OF REROOFING.

KEYED NOTES

1. EXISTING CONDENSATE PIPE SUPPORTS TO BE REPLACED WITH MIRO INDUSTRIES MODEL 1.5 OR APPROVED EQUAL. REFER TO DETAILS ON M.001 FOR MORE INFORMATION. EXISTING CONDENSATE PIPING AND INSULATION TO REMAIN. PROTECT IN PLACE DURING ROOFING REPLACEMENT.
2. EXISTING COOLING TOWER TO REMAIN. BOTTOM OF COOLING TOWER LOCATED 48" ABOVE ROOF SURFACE. CONTRACTOR SHALL REROOF BELOW EQUIPMENT WITHOUT RELOCATION.
3. EXISTING CWS & CWR PIPING TO REMAIN. TEMPORARILY RELOCATE EXISTING PIPE SUPPORTS AS REQUIRED FOR REROOFING. RETURN SUPPORTS TO EXISTING LOCATION ONCE REROOF WORK IS COMPLETE.
4. EXISTING COOLING TOWER DRAIN PIPING TO REMAIN. TEMPORARILY RELOCATE EXISTING PIPE SUPPORTS AS REQUIRED FOR REROOFING. RETURN SUPPORTS TO EXISTING LOCATION ONCE REROOF WORK IS COMPLETE.

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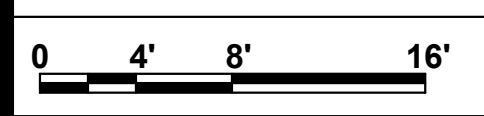
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PROJECT # 2215.03
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FIFTH FLOOR MECHANICAL ROOF PLAN

SHEET NUMBER ISSUE
M.125 100



ELECTRICAL DEMOLITION NOTES

ELECTRICAL DEMOLITION NOTES:

- DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN DASHED LINE TYPE ARE EXISTING TO BE DEMOLISHED. DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN SOLID LINE TYPE ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
- EXISTING EQUIPMENT, LIGHT FIXTURES AND DEVICES SHOWN ARE BASED ON FIELD SURVEYS AND RECORD DRAWINGS PROVIDED BY THE OWNER, AND ARE NOT NECESSARILY INCLUSIVE OF ALL EXISTING ELECTRICAL EQUIPMENT, LIGHT FIXTURES AND DEVICES WITHIN PROJECT AREAS. IT IS THE INTENT THAT THE DEMOLITION PLANS PROVIDE A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WHETHER INDICATED ON THE PLANS OR NOT.
- EXISTING CIRCUITING SHOWN IS BASED ON RECORD DRAWINGS AND THE SURVEYED PANEL DIRECTORIES, WHERE THEY WERE AVAILABLE. THE ACTUAL CONDITIONS MAY VARY. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. THE CONDITIONS SHOWN ARE INTENDED TO SHOW THE LOCATIONS OF EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT, WHERE SHOWN ON THE PLAN DRAWINGS, AND IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING ANY AND ALL COORDINATION NECESSARY TO COMPLETE THE NEW WORK. FIELD CONDITIONS SHALL GOVERN.
- WHERE EXISTING DEVICES ARE INDICATED TO REMAIN OR BE RELOCATED, ARE WITHIN THE SCOPE OF THIS PROJECT AND EXISTING CIRCUITING INFORMATION IS UNAVAILABLE, CONTRACTOR IS TO PROVIDE CIRCUIT TRACING TO IDENTIFY PANEL AND CIRCUIT SERVING THE DEVICE TO AND PROVIDE THAT INFORMATION TO THE ARCHITECT/ENGINEER PRIOR TO ROUTING CONDUITS AND WIRING FOR NEW DEVICES AND EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT.
- WHERE EXISTING DEVICES ARE TO REMAIN, CONTRACTOR MUST EXTEND EXISTING CIRCUITING WHERE NECESSARY TO MAINTAIN CONTINUITY OF CIRCUIT.
- COORDINATE WITH THE OWNER FOR DISPOSITION OF ELECTRICAL ITEMS TO BE DEMOLISHED. OWNER SHALL HAVE THE OPTION TO RETAIN REUSABLE ITEMS SUCH AS COVERPLATES, RECEPTACLES, LIGHT FIXTURES, PANELBOARDS, TRANSFORMERS, ETC. NOT BEING USED IN THE FINISHED WORK. COORDINATE WITH THE OWNER PRIOR TO START OF DEMOLITION, PROPERLY AND LEGALLY DISPOSE OF ALL EQUIPMENT AND MATERIALS BEING REMOVED.
- COORDINATE EXACT AREAS, WALLS, CEILINGS, ETC. TO BE DEMOLISHED WITH ARCHITECTURAL, STRUCTURAL, PLUMBING AND MECHANICAL DEMOLITION PLANS.
- WHERE EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT ARE INDICATED TO BE DEMOLISHED, REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE PANEL OR TO NEAREST JUNCTION BOX TO MAINTAIN CIRCUIT CONTINUITY OF DEVICES AND EQUIPMENT TO REMAIN, WHERE PANELS ARE TO REMAIN, TURN BREAKER TO "OFF" POSITION AND LABEL THE CIRCUIT AS "SPARE" ON THE PANEL DIRECTORY.
- ALL AREAS OUTSIDE THE SCOPE OF CONSTRUCTION ARE TO REMAIN ENERGIZED. COORDINATE PHASING WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO DEMOLITION OF ANY ITEM WHICH MAY RESULT IN INTERRUPTION OF POWER.
- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR EXTENT OF AREA REQUIRING DEMOLITION AND ADDITIONAL INFORMATION ON ELECTRICAL DEMOLITION WITHIN THE AREA. DISCONNECT ELECTRICAL SERVICE TO ALL EQUIPMENT BEING REMOVED. DEMOLITION SHALL BE PHASED AS REQUIRED BY DIVISION 1, OR DIRECTED BY THE OWNER.
- REMOVE ALL CONDUIT LEFT EXPOSED BY REMOVAL OF WALLS AND CEILINGS IN REMODELED OR RENOVATED AREA, CAP BOTH ENDS OF REMAINING CONDUIT IN WALL OR FLOOR WHERE CUT.
- ELECTRICAL DEVICES CONCEALED BY STORAGE SHELVING, CASEWORK, FURNITURE, ETC., AND NOT NOTED ON THE DEMOLITION DRAWINGS ARE TO BE REMOVED AS REQUIRED, UNLESS SHOWN AS EXISTING TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND ELECTRICAL DEVICES, UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS. REPAIRS ARE TO BE DONE TO LOGICAL EDGES OF SURFACES AFFECTED AND SHALL MATCH IMMEDIATELY ADJACENT AREAS IN CONSTRUCTION, MATERIAL, FIRE RATING, FINISH AND COLOR.
- PROVIDE BLANK COVERPLATES WHERE DEVICES ARE BEING REMOVED FROM EXISTING WALLS TO REMAIN. MATCH COLOR OF NEW ADJACENT DEVICE COVERPLATES.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND OBTAIN CLARIFICATIONS FROM ARCHITECT/ENGINEER IF NECESSARY.
- COORDINATE ALL POWER INTERRUPTION WITH CONSTRUCTION MANAGER, OWNER, LANDLORD, AND UTILITY COMPANY (WHERE APPLICABLE) AND DO NOT INTERRUPT POWER WITHOUT WRITTEN PERMISSION. PROVIDE A MINIMUM OF ONE WEEK'S WRITTEN NOTIFICATION PRIOR TO WHEN POWER IS DESIRED TO BE INTERRUPTED. CONTRACTOR SHALL INVESTIGATE AND IDENTIFY ALL LOADS TO BE AFFECTED BY THE REQUESTED INTERRUPTION. CONTRACTOR SHALL SUBMIT WRITTEN SEQUENCE OF STEPS FOR EACH SHUTDOWN ALONG WITH THE ESTIMATED INTERRUPTION DURATIONS, MAKE ARRANGEMENTS TO MAINTAIN POWER TO ALL EXISTING NECESSARY LIGHTING, DEVICES AND EQUIPMENT AS NEEDED, AND REQUESTS FOR MAINTENANCE MANUAL TO OWNER PRIOR TO THE FINAL ACCEPTANCE. THE MANUAL SHALL INCLUDE, AS A MINIMUM, (1) SUBMITTAL DATA STATING EQUIPMENT RATINGS AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ALSO PROVIDE TWO OPERATIONS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS AND METHOD OF OPERATION FOR EQUIPMENT SHALL BE CLEARLY IDENTIFIED, AND THE NAME, PHONE NUMBER AND ADDRESS OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- INCLUDE ALL COSTS FOR EXCAVATION, SAW CUTTING, DIRECTIONAL BORING, CORE DRILLING, BACKFILLING, SURFACE RESTORATION, REPAIR OF FINISHES, ETC. THAT IS REQUIRED IN ORDER TO MEET THE PROJECT REQUIREMENTS.
- INCLUDE IN BID ALL COSTS ASSOCIATED WITH TEMPORARY ELECTRICAL SERVICE AS REQUIRED FOR USE BY ALL TRADES DURING CONSTRUCTION. REMOVE TEMPORARY POWER AT THE COMPLETION OF THE PROJECT. OBTAIN AND PAY FOR ALL REQUIRED PERMITS FOR TEMPORARY POWER. ENGINEER OF RECORD SHALL BE PROVIDED WITH ADDITIONAL COMPENSATION FROM THE CONTRACTOR WHERE SIGNED & SEALED DRAWINGS ARE REQUESTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD IF REQUIRED BY THE AIA FOR THE TEMPORARY POWER.
- LOCATE, IDENTIFY, PROTECT AND DOCUMENT ALL UTILITY LINES LOCATED WITHIN THE PROJECT BOUNDARY. FOR LOCATING SITE UTILITIES, CONTACT ALL LOCAL MUNICIPALITIES AND UTILITIES AT LEAST 48 HOURS PRIOR TO DIGGING.
- INCLUDE IN BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES, REGULATIONS AND GUIDELINES APPLICABLE. COMPLY FULLY WITH ALL APPLICABLE STATUTES REGARDING MERCURY-CONTAINING DEVICES, AND WITH ALL LOCAL, STATE AND FEDERAL APPLICABLE GUIDELINES AT THE TIME OF DISPOSAL. PROVIDE OWNER WITH WRITTEN CERTIFICATION OF CORRECT DISPOSAL.

ELECTRICAL GENERAL NOTES

GENERAL REQUIREMENTS

- THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED SUPPLEMENTARY ONE TO THE OTHER AND ARE CONSIDERED THE "CONTRACT DOCUMENTS". ALL WORKMANSHIP, METHODS AND/OR MATERIALS DESCRIBED OR IMPLIED BY ONE AND NOT DESCRIBED OR IMPLIED BY THE OTHER SHALL BE PROVIDED, FURNISHED OR PERFORMED AS IF IT HAD APPEARED IN BOTH SECTIONS. THE TERM "CONTRACT DOCUMENTS" DESCRIBED HEREIN IS NOT LIMITED SOLELY TO THE ELECTRICAL PORTION OF THE DRAWINGS AND SPECIFICATIONS, BUT ENCOMPASSES THE DRAWINGS AND SPECIFICATIONS OF ALL DIVISIONS AS A WHOLE.
- THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY DETAIL OF CONSTRUCTION, METHODS, MATERIALS AND EQUIPMENT, OR EXACT LOCATIONS, ROUTING, ETC. THEY INDICATE THE RESULT TO BE ACHIEVED BY THE ASSEMBLAGE OF SEVERAL SYSTEMS FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. DO NOT SCALE THE CONTRACT DOCUMENTS. COORDINATE EXACT EQUIPMENT LOCATIONS WITH THE ARCHITECTURAL, CIVIL AND STRUCTURAL CONTRACT DOCUMENTS, AS WELL AS FIELD CONDITIONS, APPROVED SHOP DRAWINGS AND WORK OF ALL OTHER DIVISIONS/TRADES.
- THE TERM "PROVIDE" USED IN THE CONTRACT DOCUMENTS INDICATES TO FURNISH AND INSTALL MATERIALS REQUIRED FOR CORRECT INSTALLATION OF A COMPLETE SYSTEM, UNLESS SPECIFICALLY NOTED OTHERWISE.
- UNLESS NOTED AS EXISTING, ALL ELECTRICAL INDICATED ON THE CONTRACT DOCUMENTS SHALL BE NEW, SHALL BE U.L. LISTED, AND SHALL BEAR A U.L. LABEL, WHERE NO U.L. LABEL OR LISTING IS AVAILABLE, THE MATERIAL SHALL BE LISTED WITH AN APPROVED, NATIONALLY RECOGNIZED ELECTRICAL TESTING AGENCY.
- PROVIDE EXPERIENCED, QUALIFIED AND RESPONSIBLE SUPERVISION FOR ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER.
- CARRY ALL INSURANCE REQUIRED TO PROTECT AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THIS PROJECT.
- GUARANTEE ALL MATERIALS AND WORKMANSHIP ARE FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE ARCHITECT/ENGINEER AND OWNER, UNLESS NOTED OTHERWISE IN DIVISION 1. AT NO ADDITIONAL COSTS, PROVIDE THE CORRECTION OF ANY DEFECTS INCLUDING REPAIR OR REPLACEMENT.
- INCLUDE ALL COSTS ASSOCIATED WITH PERMITS, LICENSES, FEES, INSPECTIONS, TESTING AND TEMPORARY POWER IN THE BID PRICE, UNLESS NOTED OTHERWISE.
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED, COMPLY WITH ALL APPLICABLE RULES, REGULATIONS AND GUIDELINES CONCERNING REMOVAL, HANDLING, DISPOSAL AND PROTECTION AGAINST ENVIRONMENTAL EXPOSURE OR POLLUTION. PROVIDE DOCUMENTATION OF SAID COMPLIANCE.
- PROVIDE ELECTRONIC SUBMITTALS (PRODUCT DATA & SHOP DRAWINGS) FOR EACH MAJOR COMPONENT OF THE ELECTRICAL SYSTEM FOR REVIEW BY THE ARCHITECT/ENGINEER AND OWNER. MAJOR COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO: RACKWAYS, BUSES, WIRE AND CABLE EQUIPMENT, DEVICES, LIGHT FIXTURES, SWITCHGEAR, PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES, FIRE ALARM SYSTEM, ETC. ALL SUBMITTALS ARE TO BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR CONFORMANCE WITH THE PROJECT REQUIREMENTS PRIOR TO SUBMITTING TO THE ARCHITECT/ENGINEER. ALLOW A MINIMUM OF TEN (10) BUSINESS DAYS FOR REVIEW BY ARCHITECT/ENGINEER, UNLESS NOTED OTHERWISE IN DIVISION 1.
- THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDINATED WITH THE DESIGN BASIS EQUIPMENT SPECIFIED BY DIVISION 26 AND OTHER DIVISIONS, WHERE THE CONTRACTOR ELECTS TO SUBSTITUTE A PRODUCT IN LIEU OF PROVIDING THE DESIGN BASIS, AND SAID SUBSTITUTION IS ACCEPTED BY THE ARCHITECT/ENGINEER AND OWNER, THE CONTRACTOR SHALL MAKE ALL CORRECTIONS TO THE ELECTRICAL SYSTEM NECESSARY IN ORDER TO ENSURE A COMPLETE AND OPERATIONAL INSTALLATION OF THE EQUIPMENT AT NO ADDITIONAL COSTS. WHERE THE CONTRACTOR'S DESIGN SUBSTITUTION RESULTS IN THE NEED FOR THE ENGINEER TO REVISE THE CONTRACT DOCUMENTS, THE ENGINEER RESERVES THE RIGHT TO REQUEST COMPENSATION FROM THE CONTRACTOR FOR S&B SERVICES.
- MAINTAIN A CURRENT AND ACCURATE SET OF PROJECT RECORD DOCUMENTS (AS-BUILTS) AT THE SITE THROUGHOUT THE DURATION OF THE PROJECT. RECORD DRAWINGS SHALL BE UPDATED EACH DAY TO REFLECT THE ACTUAL LOCATIONS, SIZES, ROUTING, ETC. OF EACH PORTION OF THE ELECTRICAL SYSTEM AFFECTED BY THIS WORK. A FINAL SET OF RECORD DOCUMENTS SHALL BE ISSUED TO THE ARCHITECT/ENGINEER FOR REVIEW AND THEN SUBMITTED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE. PROVIDE RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING SINGLE LINE DIAGRAM, POWER RISER DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM, SITE PLANS AND ALL ELECTRICAL FLOOR PLANS, DETAILS, PANEL SCHEDULES, ETC.
- PROVIDE AN OPERATING AND MAINTENANCE MANUAL TO OWNER PRIOR TO THE FINAL ACCEPTANCE. THE MANUAL SHALL INCLUDE, AS A MINIMUM, (1) SUBMITTAL DATA STATING EQUIPMENT RATINGS AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ALSO PROVIDE TWO OPERATIONS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS AND METHOD OF OPERATION FOR EQUIPMENT SHALL BE CLEARLY IDENTIFIED, AND THE NAME, PHONE NUMBER AND ADDRESS OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- LOCATE, IDENTIFY, PROTECT AND DOCUMENT ALL UTILITY LINES LOCATED WITHIN THE PROJECT BOUNDARY. FOR LOCATING SITE UTILITIES, CONTACT ALL LOCAL MUNICIPALITIES AND UTILITIES AT LEAST 48 HOURS PRIOR TO DIGGING.
- INCLUDE IN BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES, REGULATIONS AND GUIDELINES APPLICABLE. COMPLY FULLY WITH ALL APPLICABLE STATUTES REGARDING MERCURY-CONTAINING DEVICES, AND WITH ALL LOCAL, STATE AND FEDERAL APPLICABLE GUIDELINES AT THE TIME OF DISPOSAL. PROVIDE OWNER WITH WRITTEN CERTIFICATION OF CORRECT DISPOSAL.

COORDINATION:

- ALL WORK ON THE ELECTRICAL SYSTEM REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER DIVISIONS/TRADES PRIOR TO COMMENCEMENT OF WORK. AVOID INTERFERENCES WITH THE PROGRESS OF OTHER DIVISIONS/TRADES.
- REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, CIVIL, LANDSCAPE, INTERIOR DESIGN, TECHNOLOGY, STRUCTURAL, AND VENDOR EQUIPMENT DRAWINGS FOR RELATED INFORMATION. AND ADDITIONAL INSTALLATION REQUIREMENTS TO BE PERFORMED AS PART OF THE WORK.
- WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND ANOTHER, OR BETWEEN A DRAWING AND APPLICABLE SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IN WRITTEN FORM. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS THE DISCREPANCY CONFLICTS WITH APPLICABLE CODES OR OWNER'S DESIGN STANDARDS, WHEREIN THE CODE OR OWNER'S DESIGN STANDARDS SHALL GOVERN.
- CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND/OR SITE AFFECTED BY THIS WORK PRIOR TO SUBMITTING BID PRICE, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION OF A BID PRICE SHALL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT AND/OR MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED THAT COULD HAVE BEEN REASONABLY OBSERVED WILL NOT BE RECOGNIZED.
- COORDINATE ALL PROJECT SCHEDULING AND PHASING REQUIREMENTS WITH ARCHITECT/ENGINEER AND OWNER PRIOR TO SUBMITTING BID PRICE. THIS PROJECT MAY REQUIRE PHASING SEQUENCES AND POTENTIAL PREMIUM TIME WORK AND ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE BID PRICE. PROVIDE ADEQUATE WORK FORCE AND EQUIPMENT, AND INCLUDE PREMIUM TIME AS MAY BE REQUIRED IN ORDER TO ADHERE TO THE PROJECT SCHEDULE. ADDITIONALLY, ENSURE THAT LONG LEAD ITEMS DO NOT IMPACT THE PROJECT'S SCHEDULE OR PHASING.
- CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT ENSURES MINIMUM INTERFERENCE WITH NORMAL BUSINESS OPERATIONS, TRAFFIC, PARKING, ETC. ONGOING IN ADJACENT OCCUPIED SPACES OR FACILITIES. PROVIDE ALL THAT IS REQUIRED TO EFFECTIVELY PROTECT SURROUNDING OCCUPANTS, EQUIPMENT, FINISHES, FURNITURE, ETC. FROM DAMAGE OR EXCESSIVE NOISE THROUGHOUT THE DURATION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR ANY LOSSES OR ANY DAMAGE RESULTING FROM THE FAILURE TO ADHERE TO THIS REQUIREMENT. RESTORE DAMAGED ELEMENTS TO ORIGINAL CONDITION TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER, AT NO ADDITIONAL COSTS. REPORT OF ANY SUCH OCCURRENCE TO THE ARCHITECT/ENGINEER AND OWNER IMMEDIATELY AND AVOID WRITTEN DIRECTION PRIOR TO PROCEEDING WITH REPAIRS.

ABBREVIATIONS

AC AIR CONDITIONING
ALC ALTERNATING CURRENT
AVD OLG ABOVE CEILING
AF AMERICANS WITH DISABILITIES ACT
AF AMPERE FRAME
AFF ABOVE FINISHED FLOOR
AFB ABOVE FINISHED BASE
AHU AIR HANDLING UNIT
AC AMPERE INTERRUPTING CAPACITY
AL ALUMINUM
AMP AMPERE
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
ASA AMERICAN STANDARDS ASSOCIATION
AT AMPERE TRIP
ATS AUTOMATIC TRANSFER SWITCH
AUX AUXILIARY
AWG AMERICAN WIRE GAUGE
BC BARE COPPER
BL BASIC MILE LEVEL
BAS BUILDING AUTOMATION SYSTEM
BMS BUILDING MANAGEMENT SYSTEM
BRKR OR BRKR BREAKER
C CONDUIT OR RACEWAY
CAB CABINET
CKT CIRCUIT
CB CIRCUIT BREAKER
CBM CERTIFIED BALLAST MANUFACTURERS
CATV CABLE TELEVISION
CCTV CLOSED CIRCUIT TELEVISION
CLOCK CLOCK EQUIPMENT CABINET
CLG CEILING
CO CONDUIT OR RACEWAY ONLY
COAX COAXIAL CABLE
COND CONDUCTOR
CONV CONNECTION
CPU CENTRAL PROCESSING UNIT
CRT CATHODE RAY TERMINAL (VIDEO DISPLAY TERMINAL)
CURRENT CURRENT TRANSFORMER
CU COPPER
CW COLD WATER
DC DIRECT CURRENT
DDC DIRECT DIGITAL CONTROL
DEG DEGREE
DF DEFLECTOR FACTOR
DISC DISCONNECT
DISC SW DISCONNECT SWITCH
DRAW DRAWING
DN DOWN
DPST DOUBLE POLE SINGLE THROW
EDH ELECTRIC DUCT HEATER
EMT ELECTRIC METALLIC TUBING
EO END OF LINE
EOR ENGINEER OF RECORD
ETR EXISTING TO REMAIN
EWC ELECTRIC WATER COOLER
FA FIRE ALARM
FAMP FIRE ALARM MANIPULATOR PANEL
FATC FIRE ALARM TERMINAL CABINET
FBC FLORIDA BUILDING CODE
FAN FAN COIL UNIT
FLL FULL LOAD AMPERES
FM FACTORY MUTED
FPU FAN POWERED UNIT
FEI FEE
GF GROUND FAULT
GFA GROUND FAULT ALARM
GFD GROUND FAULT INTERRUPTER
GRD GROUND FAULT RELAY
GROUND GROUND
GND G
HP HORSEPOWER
HQA HAND-OFF-AUTOMATIC
HORIZ HORIZONTAL
IBC INTERNATIONAL BUILDING CODE
IC INTERPHONE
ICU INTENSIVE CARE UNIT
IECC INTERNATIONAL ENERGY CONSERVATION CODE
IEEE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES ILLUMINATING ENGINEERING SOCIETY
IMC INTERMEDIATE METAL CONDUIT
IN INCHES
IPCEA INSULATED POWER CABLE ENGINEERS ASSOCIATION
INST INSTANTANEOUS TRIP
JB JUNCTION BOX
KCAL ONE THOUSAND CIRCULAR MILS
KV KILOVOLT
KW KILOWATT AMPERES
KW KILOWATT
KWH KILOWATT HOURS
LBS POUNDS
LED LIGHT EMITTING DIODE
LP LIGHTNING PROTECTION
LT LIGHT
LTC LIGHTING
LSG LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSA LONG TIME, SHORT TIME, INSTANTANEOUS, ALARM
LS LONG TIME, SHORT TIME, INSTANTANEOUS
MAX MAXIMUM
MCA MINIMUM CIRCUIT AMPS
MCB MAIN CIRCUIT BREAKER
MCC MOTOR CONTROL CENTER
MFD MAIN SERVICE DISTRIBUTION PANEL
MIC MICROPHONE
MIN MINIMUM
MLO MAIN LUGS ONLY
MOXP MAXIMUM OVERCURRENT PROTECTION
MSB MAIN SERVICE SWITCHBOARD
MTO MOUNTED
MTR MOUNTING
MTR MOTOR
MTR MANUAL TRANSFER SWITCH
MTR MULTITRIP (TRANSFER) PANEL
MVA MEGA VOLT AMPS
N NEUTRAL
NCL NORMALLY CLOSED
NEC NATIONAL ELECTRICAL CODE
NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
NC NOT IN CONTRACT
NF NON-FUSED
NL NON-LINEAR
NO NORMALLY OPEN OR NUMBER
OL OVERLOAD
OSHA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
P POLE
PB PULLBOX
PF POWER FACTOR
PIV POST INDICATOR VALVE
PNL PANEL
PRI PRIMARY
PT POTENTIAL TRANSFORMER
PVC POLYVINYLCHLORIDE
PWR POWER
REC RECEPTACLE
REF REFRIGERATOR
RGS GRC RIGID GALVANIZED STEEL CONDUIT
RA RUNNING LOAD AMPERES
RMS ROOT MEAN SQUARE
RPM REVOLUTIONS PER MINUTE
RTU ROOF TOP UNIT
SCA SHORT CIRCUIT AMPERES
SI SI
SEC SECONDARY
SN SOLID NEUTRAL
SPD SURGE PROTECTIVE DEVICE
SPKR SPEAKER
SPST SINGLE POLE SINGLE THROW
SS STAINLESS STEEL
SST SOLID STATE TRIP
STD SHORT TIME TRIP
SW SWITCH
SWBD SWITCHBOARD
SWGR SWITCHGEAR
TEL TELEPHONE
TEB TELEPHONE TERMINAL BOARD
TIC TELEPHONE TERMINAL CABINET
TEEC TELEVISION EQUIPMENT CABINET
TYP TYPICAL
UG UNDERGROUND
UNL UNLESS OTHERWISE NOTED
UL UNDERWRITERS LABORATORIES
UTL UTILITY
V VOLT
VA VOLTAMPERE
VAR VOLT AMPERE REACTIVE
VAR VARIBLE AIR VOLUME
VFD VARIABLE-FREQUENCY DRIVE
W WIRE
WP WEATHER-PROOF
WTR TRANSFORMER
XFR TRANSFER

ELECTRICAL SCOPE OF WORK

- EXISTING ROOF MOUNTED LIGHTNING PROTECTIONS SYSTEM SHALL BE PROTECTED IN PLACE OR REMOVED AND RE-INSTALLED AS REQUIRED DURING NEW ROOFING APPLICATION.
- ALL EXISTING ROOF MOUNTED ELECTRICAL EQUIPMENT SHALL REMAIN.
- EXISTING ROOF MOUNTED CONDUIT SUPPORTS SHALL BE REPLACED.

LIGHTNING PROTECTION SYSTEM



APPLICABLE CODES

APPLICABLE CODES:

ALL WORK UNDER THIS DIVISION SHALL BE IN STRICT COMPLIANCE AND IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE FOLLOWING CODES AND STANDARDS INCLUDING THE REGULATIONS OF GOVERNING LOCAL, STATE, COUNTY AND OTHER APPLICABLE CODES. REFER TO SPECIFICATIONS FOR ADDITIONAL CODE REQUIREMENTS:

BUILDING CODES:

- FLORIDA BUILDING CODE, 7TH EDITION (2020)
- FLORIDA ENERGY CONSERVATION CODE, 7TH EDITION (2020)
- FLORIDA FIRE PREVENTION CODE, 7TH EDITION (2020)

ADDITIONAL CODES, STANDARDS, AND REQUIREMENTS

- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- REQUIREMENTS OF LOCAL POWER COMPANY
- THE AMERICANS WITH DISABILITIES ACT (ADA)
- OWNER'S PUBLISHED DESIGN STANDARDS

ALL MATERIALS SHALL BE NEW AND FREE OF DEFECTS, AND SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LAB, AS DEFINED BY OSHA, WHERE NO LABELING OR LISTING SERVICE IS AVAILABLE FOR CERTAIN TYPES OF EQUIPMENT. TEST DATA SHALL BE SUBMITTED TO VALIDATE THAT EQUIPMENT MEETS OR EXCEEDS AVAILABLE STANDARDS.

NATIONAL FIRE PROTECTION (NFPA) STANDARDS:

- NFPA 70, 2017 EDITION, NATIONAL ELECTRICAL CODE
- NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE
- NFPA 90A, 2018 EDITION, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS
- NFPA 90B, 2018 EDITION, STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS
- NFPA 101, 2018 EDITION, LIFE SAFETY CODE
- NFPA 780, 2017 EDITION, INSTALLATION OF LIGHTNING PROTECTION SYSTEMS

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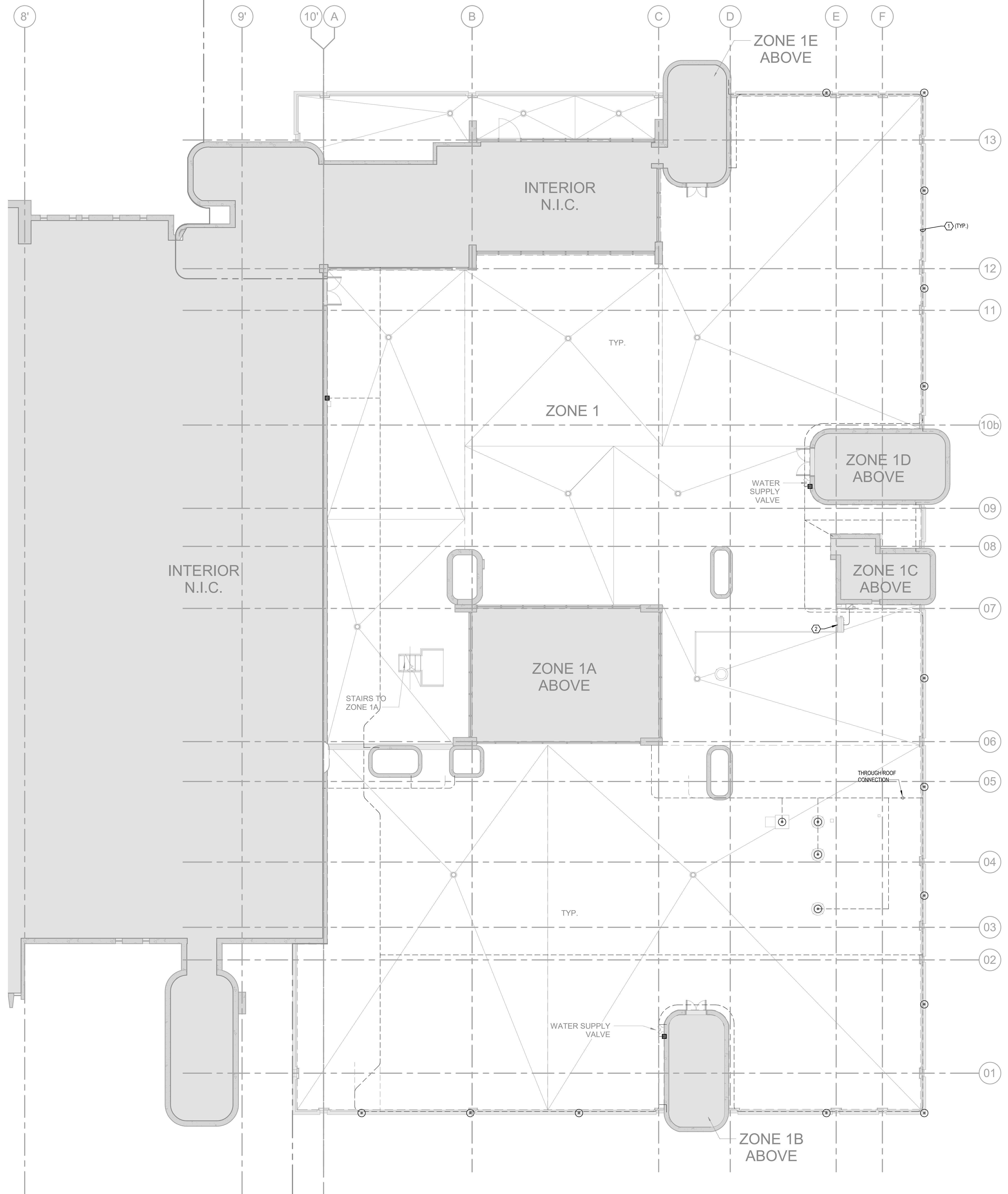
THINK. LISTEN. CREATE.

M. MONCEF HADJIJI, PE
FL LICENSE # 48022

PROJECT # 2215.03
DATE: 2023.07.20

ELECTRICAL LEGEND AND NOTES

PARCEL ID.: 12-24-31-0000-00-002



CODED NOTES:

- ① EXISTING ROOF MOUNTED LIGHTNING PROTECTION SYSTEM SHALL BE PROTECTED AND REMAIN CONNECTED DURING NEW ROOFING APPLICATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES.
- ② EXISTING MECHANICAL EQUIPMENT TO BE RELOCATED TO WALL MOUNTED. EXTEND EXISTING WIRE CONDUIT AS REQUIRED TO ACCOMMODATE NEW LOCATION.

ISSUE		
#	DATE	DESCRIPTION

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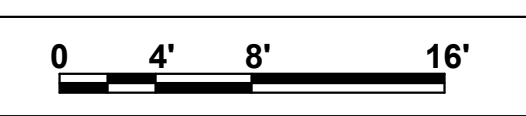
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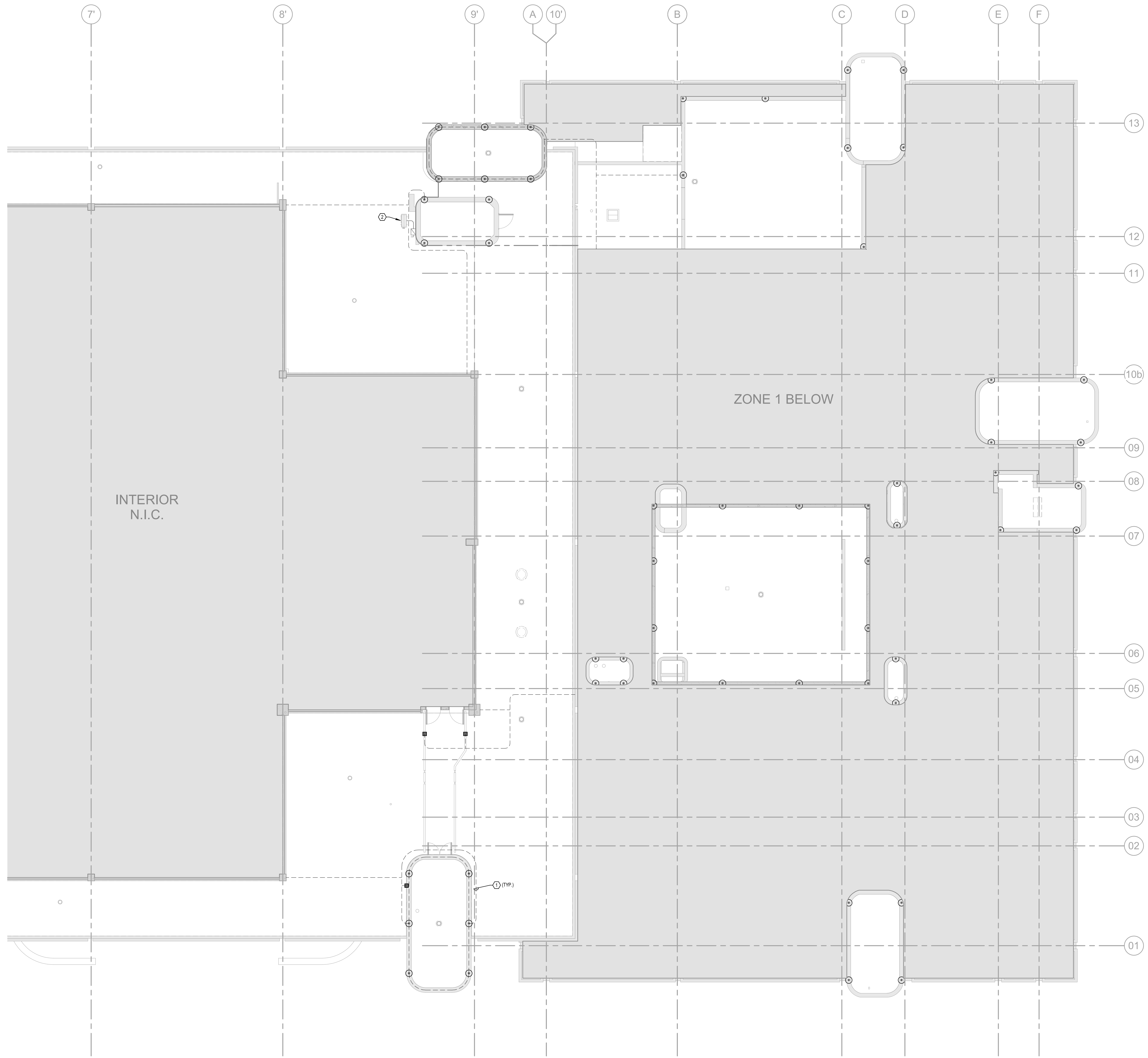
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PROJECT # 2215.03
 DATE: 2023.07.20

**SECOND FLOOR
 ELECTRICAL
 ROOF PLAN**





CODED NOTES:

- ① EXISTING ROOF MOUNTED LIGHTNING PROTECTION SYSTEM SHALL BE PROTECTED AND REMAIN CONNECTED DURING NEW ROOFING APPLICATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES.
- ② EXISTING MECHANICAL EQUIPMENT TO BE RELOCATED TO WALL MOUNTED. EXTEND EXISTING WIRE CONDUIT AS REQUIRED TO ACCOMMODATE NEW LOCATION.

ISSUE	
#	DATE DESCRIPTION

ORANGE COUNTY LIBRARY SYSTEM
DOWNTOWN LIBRARY REROOF
 101 E. Central Ave, Orlando, Florida 32801
PARCEL ID.: 12-24-31-0000-00-002

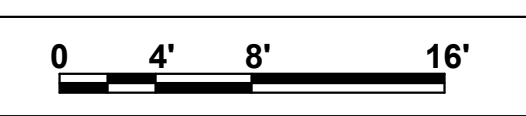
KMF
ARCHITECTS
 839 N MAGNOLIA AVE
 ORLANDO, FL 32803
 #AR93580
 KMFARCHITECTS.COM
 407.298.1988

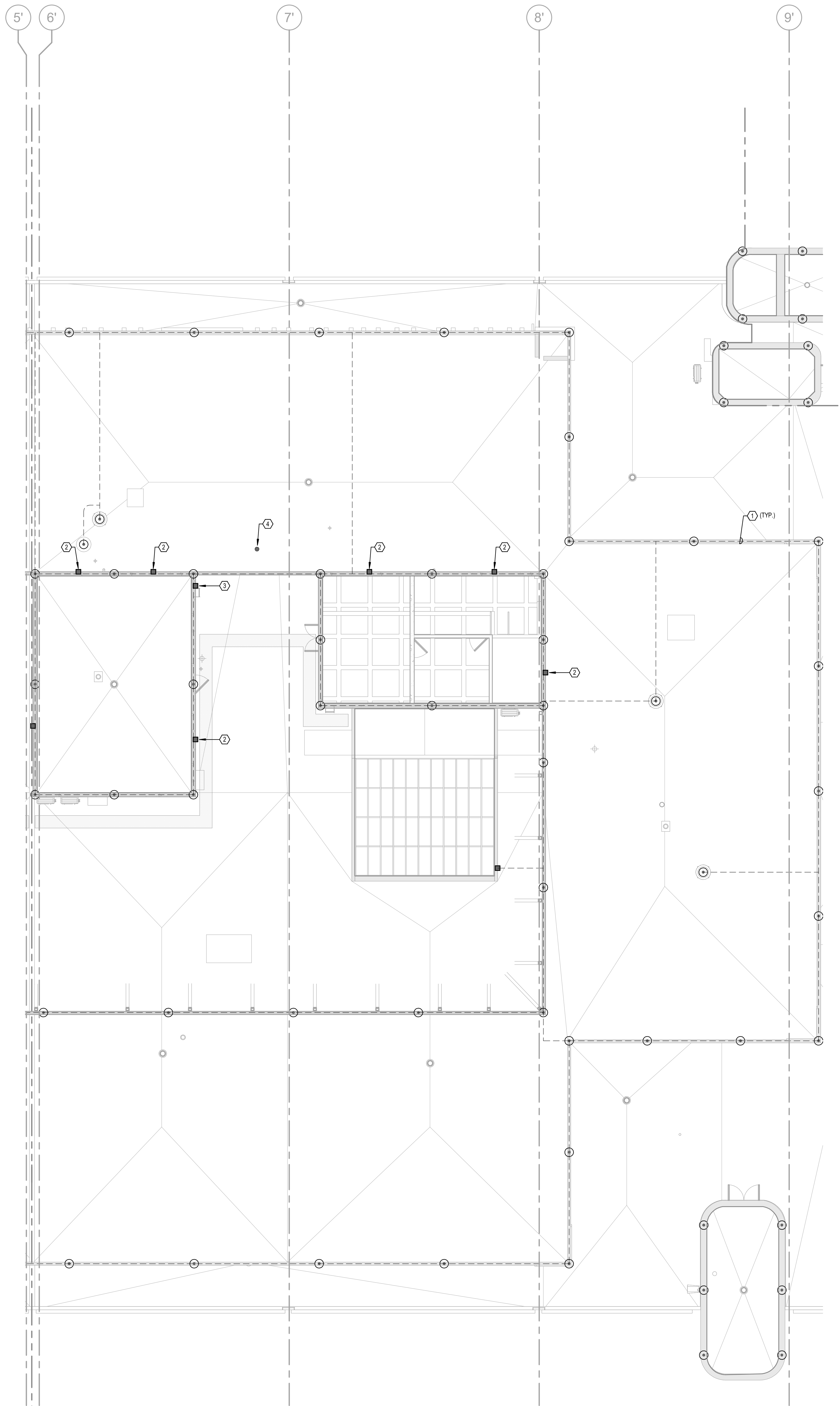
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PROJECT # 2215.03
 DATE: 2023.07.20

**THIRD FLOOR
 ELECTRICAL
 ROOF PLAN**





CODED NOTES:

- ① EXISTING ROOF MOUNTED LIGHTNING PROTECTION SYSTEM SHALL BE PROTECTED AND REMAIN CONNECTED DURING NEW ROOFING APPLICATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES.
- ② LIGHTNING PROTECTION SYSTEM CONNECTION TO METAL LOUVER IN WALL.
- ③ LIGHTNING PROTECTION SYSTEM CONNECTION TO METAL LADDER.
- ④ ROOF MOUNTED PHOTOCELL TO REMAIN.

ISSUE	
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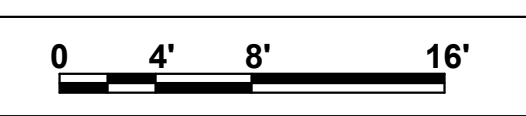
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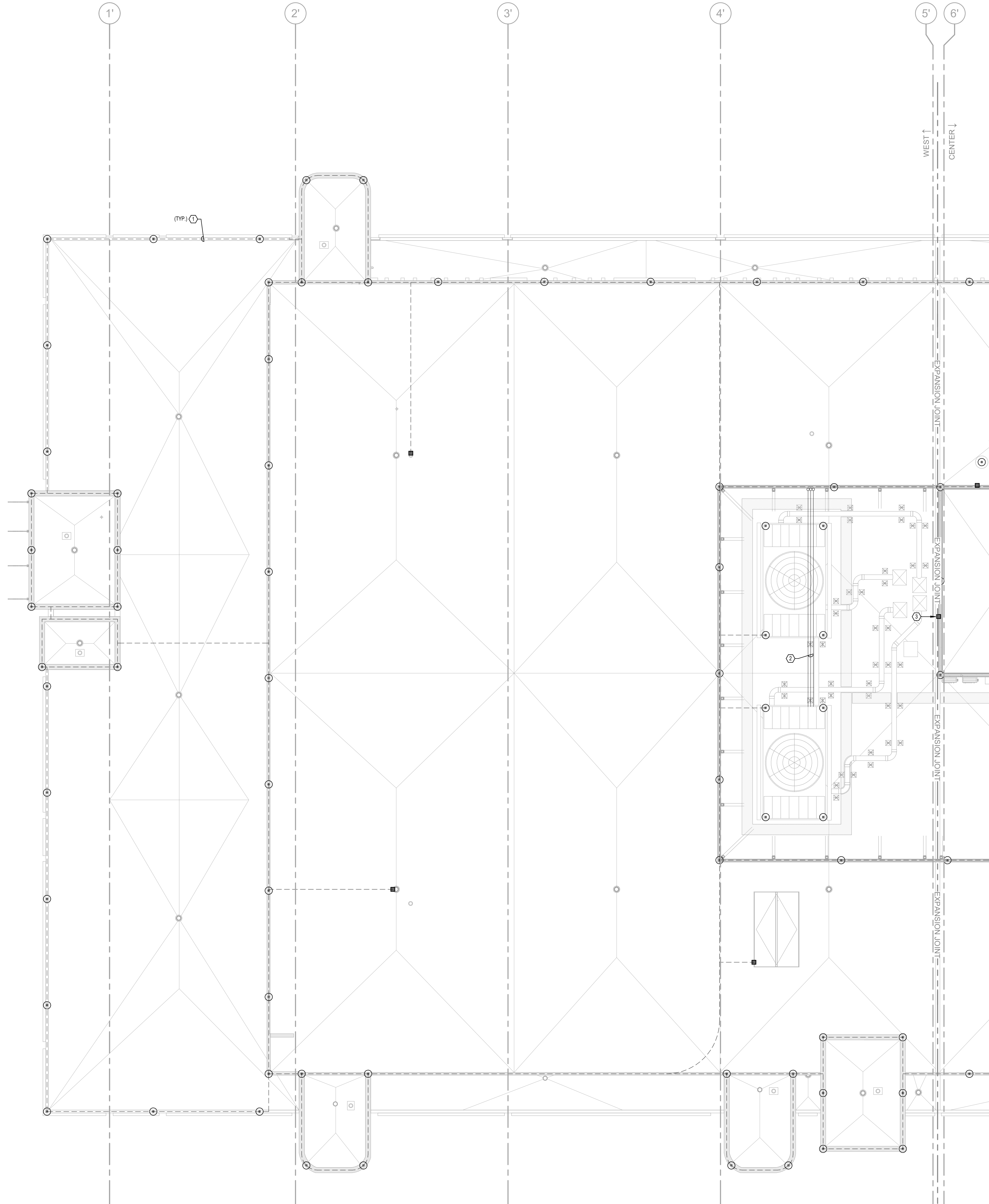
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PROJECT # 2215.03
 DATE: 2023.07.20

**FIFTH FLOOR
 ELECTRICAL
 ROOF PLAN**





CODED NOTES:

- ① EXISTING ROOF MOUNTED LIGHTNING PROTECTION SYSTEM SHALL BE PROTECTED AND REMAIN CONNECTED DURING NEW ROOFING APPLICATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES.
- ② REMOVE EXISTING SURFACE MOUNTED CONDUITS ON ROOF. FULL BACK EXISTING WIRING. REINSTALL CONDUITS AFTER NEW ROOFING HAS BEEN APPLIED. PROVIDE NEW CONDUIT SUPPORTS (MRO INDUSTRIES MODEL 1.5 OR APPROVED EQUAL). REFULL EXISTING WIRING.
- ③ LIGHTNING PROTECTION SYSTEM CONNECTION TO METAL LOUVER IN WALL.

ISSUE		
#	DATE	DESCRIPTION

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**FIFTH FLOOR
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