



Purchasing Office
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November 29, 2023

TITLE 38 ADDENDUM NO. 1

PROPOSAL FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, SUPERVISION, PERMITS, ETC. NECESSARY FOR NIRC BUILDING 28 CARGO ELEVATOR INSTALLATION, LOCATED ON THE UL LAFAYETTE CAMPUS, NEW IBERIA, LOUISIANA.

Due January 11, 2024, 10:00 AM Solicitation No. 24210

The following is to be made part of the original specifications as though issued at the same time and shall be incorporated integrally therewith. This addendum shall be acknowledged on the BID FORM when submitted to the Purchasing Department prior to the bid due date/time.

Item No. 1 – DRAWINGS ADDED:

See attached drawings/plans associated with Solicitation File Number 24210.

This is a public works bid. The addendum **MUST** be acknowledged with your bid on the BID FORM. For questions related to bidding these projects, please contact the UL Lafayette Purchasing Department at bids@louisiana.edu or 337.482.9051.

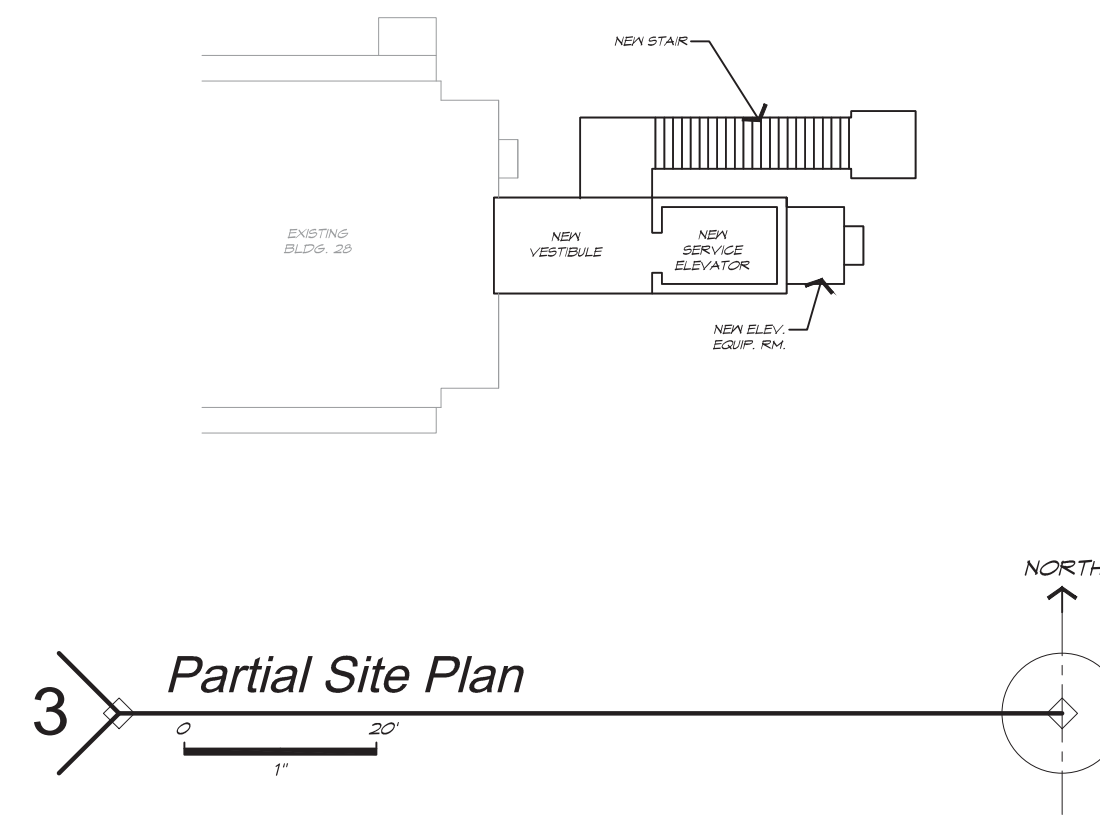
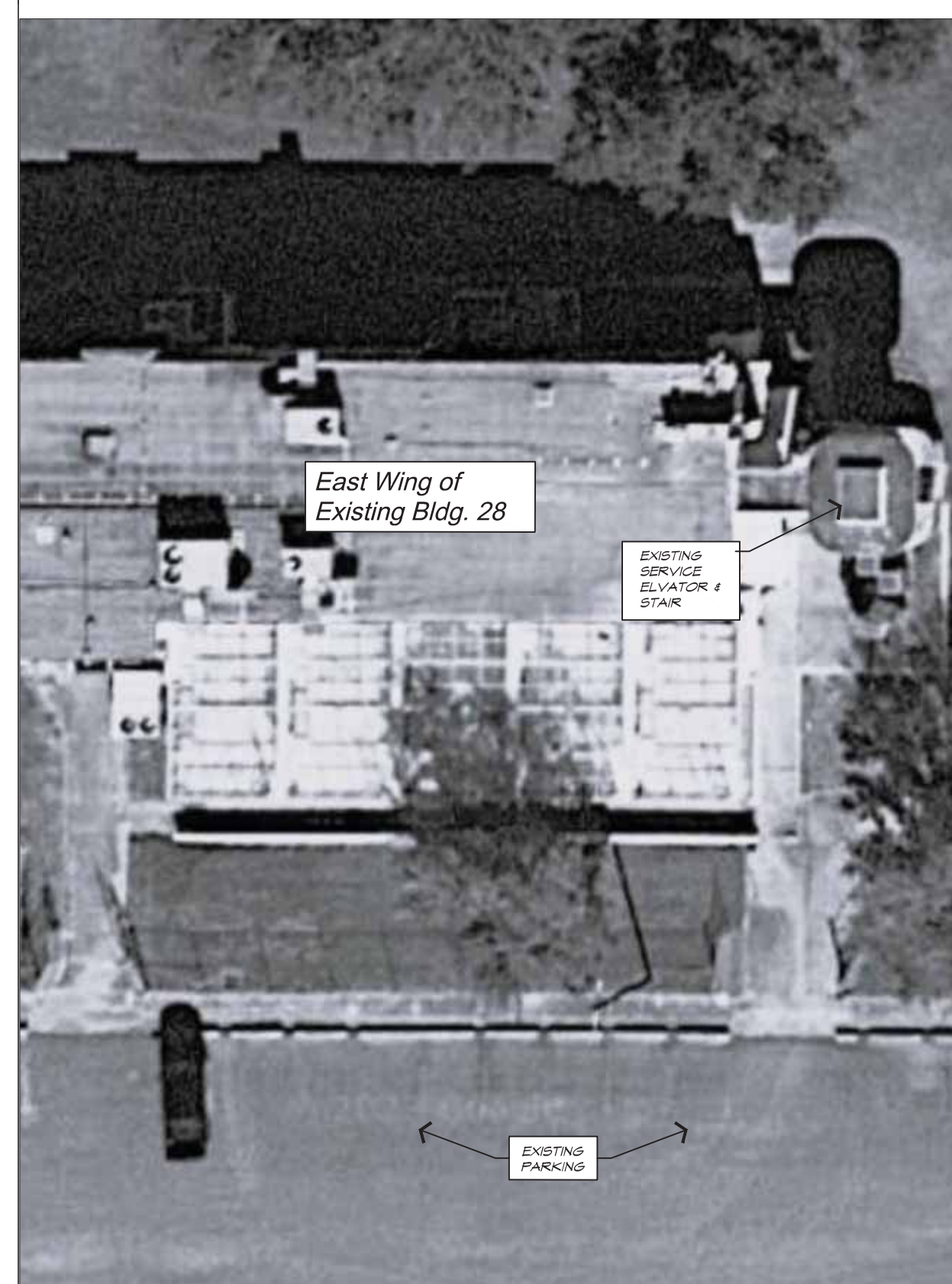
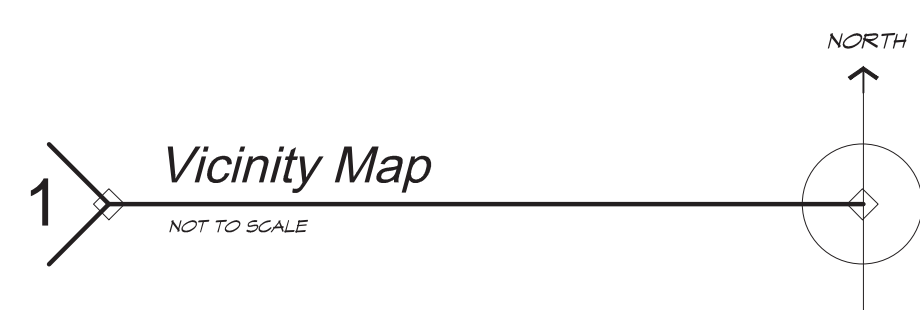
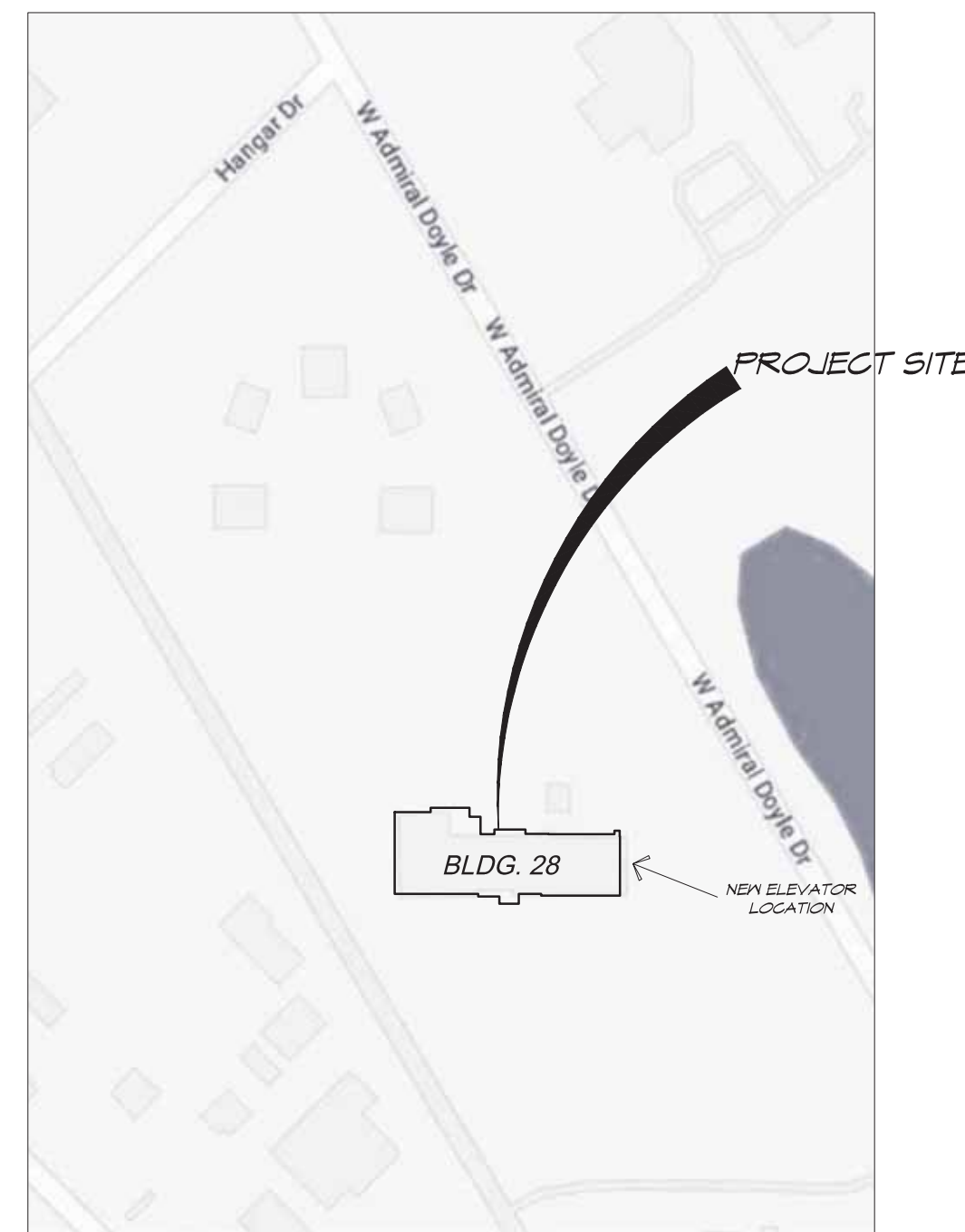
Marie C. Frank, MPA, CPPB
Assistant Vice President for Administration & Finance
University of Louisiana at Lafayette
Department of Purchasing

NIRC - Bldg 28
Cargo Elevator Installation



University of Louisiana at Lafayette
New Iberia Research Center
4401 W. Admiral Doyle Dr. - Bldg. 28
New Iberia, Louisiana 70560

NIRC - Building 28 Cargo Elevator Installation
UL
 New Iberia Research Center
 4401 W. Admiral Doyle Dr. - New Iberia, LA 70560
 University of Louisiana at Lafayette



Design Team

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 University of Louisiana at Lafayette
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 CONTACT PERSON: PHILLIP DUPLCHAIN E-MAIL: PHILLIP.DUPLCHAIN@LOUISIANA.EDU

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 (337) 839-1155
 CONTACT PERSON: KNOBBIE LANGLAIS, AIA E-MAIL: KNOBBIE@DBARCH.BIZ

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 (337) 235-2431
 CONTACT PERSON: DAVID NAOMI, P.E. E-MAIL: CPSENGINEERING@BELLSOUTH.NET

HVAC CONSULTANT
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 2014 WEST PINHOOK ROAD, SUITE 200 LAFAYETTE, LOUISIANA 70508
 (337) 984-8498
 CONTACT: ANDREA MONCEAUX, P.E. EMAIL: ANDREA@RITTERCONSULTINGENGINEERS.COM

ELECTRICAL CONSULTANT
 THOMASSEE AND ASSOCIATES, LLC
 294 WINCHESTER DRIVE SUITE 2B LAFAYETTE, LOUISIANA 70506
 (337) 981-4665
 CONTACT: ANGIE THOMASSEE DORE, P.E. EMAIL: ANGIE@THOMASSEEANDASSOCIATES.COM

Project Data

APPLICABLE CODES:

LIFE SAFETY CODE
 (NFPA - 101 2021 EDITION)
 INTERNATIONAL BUILDING CODE
 (IBC - 2021 EDITION)

BUILDING AREA CALCULATIONS:

DEMOLITION WORK:

FIRST LEVEL DEMOLITION 307 SF
 SECOND LEVEL DEMOLITION 334 SF
 THIRD LEVEL DEMOLITION 334 SF

REPLACEMENT CONSTRUCTION:

FIRST LEVEL:
 OPEN PLATFORM 214 SF
 ELEVATOR SHAFT 140 SF
 EQUIPMENT ROOM 48 SF
 SECOND LEVEL:
 VESTIBULE 165 SF
 ELEVATOR SHAFT 140 SF

OCCUPANCY TYPE:

NFPA 150 CATEGORY 3 - RESEARCH
 INTERNATIONAL BUILDING CODE U - PRIMATE HOUSING

NOTE: EXISTING BUILDING 28 IS A PRIMATE HOUSING FACILITY

CONSTRUCTION TYPE FOR THIS ELEVATOR PROJECT:

LIFE SAFETY CODE TYPE II (000) - NON-SPRINKLERED

INTERNATIONAL BUILDING CODE TYPE II - B - NON-SPRINKLERED

NOTE: EXISTING BUILDING 28 IS CONSTRUCTED OF POURED-IN-PLACE REINFORCED CONCRETE AND CONCRETE MASONRY UNITS - NONE OF THE EXISTING CONSTRUCTION IS BUILT WITH COMBUSTIBLE MATERIALS

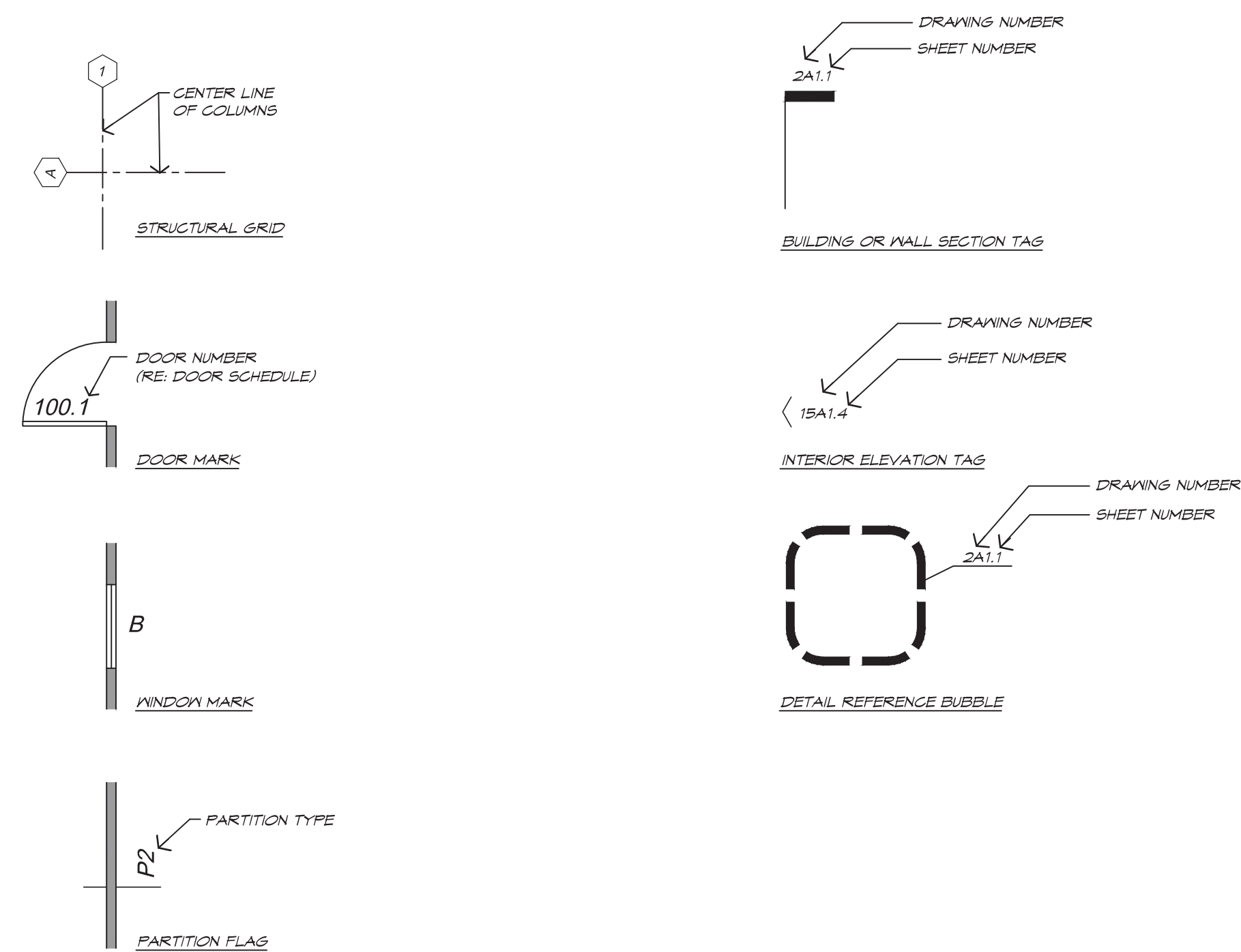
PARKING:

EXISTING PARKING IS TO REMAIN AS IS

Index to Drawings

SHEET	PAGE NUMBER	DRAWING CONTENT
1	A0.1	COVER SHEET, VICINITY MAP, SITE AERIAL, PARTIAL SITE PLAN, DESIGN TEAM, PROJECT DATA, INDEX, GRAPHIC SYMBOLS, GENERAL NOTES
2	D2.1	FIRST FLOOR DEMO, SECOND FLOOR DEMO, THIRD FLOOR DEMO
3	A2.1	ARCHITECTURAL FLOOR PLANS AND ROOF PLAN
4	A3.1	EXTERIOR ELEVATIONS
5	A4.1	ENLARGED SECTIONS
6	A4.2	STAIR PLAN AND SECTIONS
7	S2.1	FOUNDATION AND FRAMING PLANS, STRUCTURAL DETAILS
1	M1.1	MECHANICAL PLAN
1	E1.1	ELECTRICAL PLAN

Graphic Symbols



General Notes

THE CONTRACTOR WILL BE DEEMED TO HAVE BEEN THOROUGHLY FAMILIAR WITH THE CONDITIONS OF THE BUILDING SITE BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, AND TO HAVE BEEN SATISFIED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, OR THAT WILL, IN ANY MANNER, AFFECT THE WORK.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL MAKE A THOROUGH SURVEY OF THE BUILDING SITE AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON THE DRAWINGS.

ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS OR PROBLEMS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ORDINANCES APPLICABLE TO THIS WORK, IN EFFECT AT THE TIME THE WORK IS PERFORMED.

CONTRACTOR SHALL HAVE THE RESPONSIBILITY OF COORDINATING ALL CONSTRUCTION ACTIVITIES.

UNLESS SHOWN ON THE DRAWINGS BY EXACT DIMENSION, THE CONTRACTOR SHALL VERIFY WITH THE OWNER THE EXACT LOCATION OF ALL ELECTRICAL OUTLETS, TELEPHONE OUTLETS, AND OTHER APPURTENANCES INDICATED ON THE DRAWINGS.

THE CONTRACTOR SHALL CLEAN UP THE CONSTRUCTION SITE AT THE END OF EACH WORKING DAY, AND REMOVE ALL TRASH AND DEBRIS FROM THE PREMISES. THE CONTRACTOR SHALL NOT ALLOW ADJACENT AREAS TO BECOME DUSTY, DIRTY, OR CLUTTERED AS A RESULT OF CONSTRUCTION OPERATIONS. PERFORM FINAL CLEAN UP PRIOR TO ACCEPTANCE OF THE COMPLETED WORK.

THE CONTRACTOR SHALL FILL AND PATCH ALL OPENINGS AND HOLES, SEAL AROUND ALL PIPES, DUCTS, ETC., AND ENSURE THE INTEGRITY OF ALL REQUIRED FIRE AND/OR SMOKE SEPARATIONS IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES.

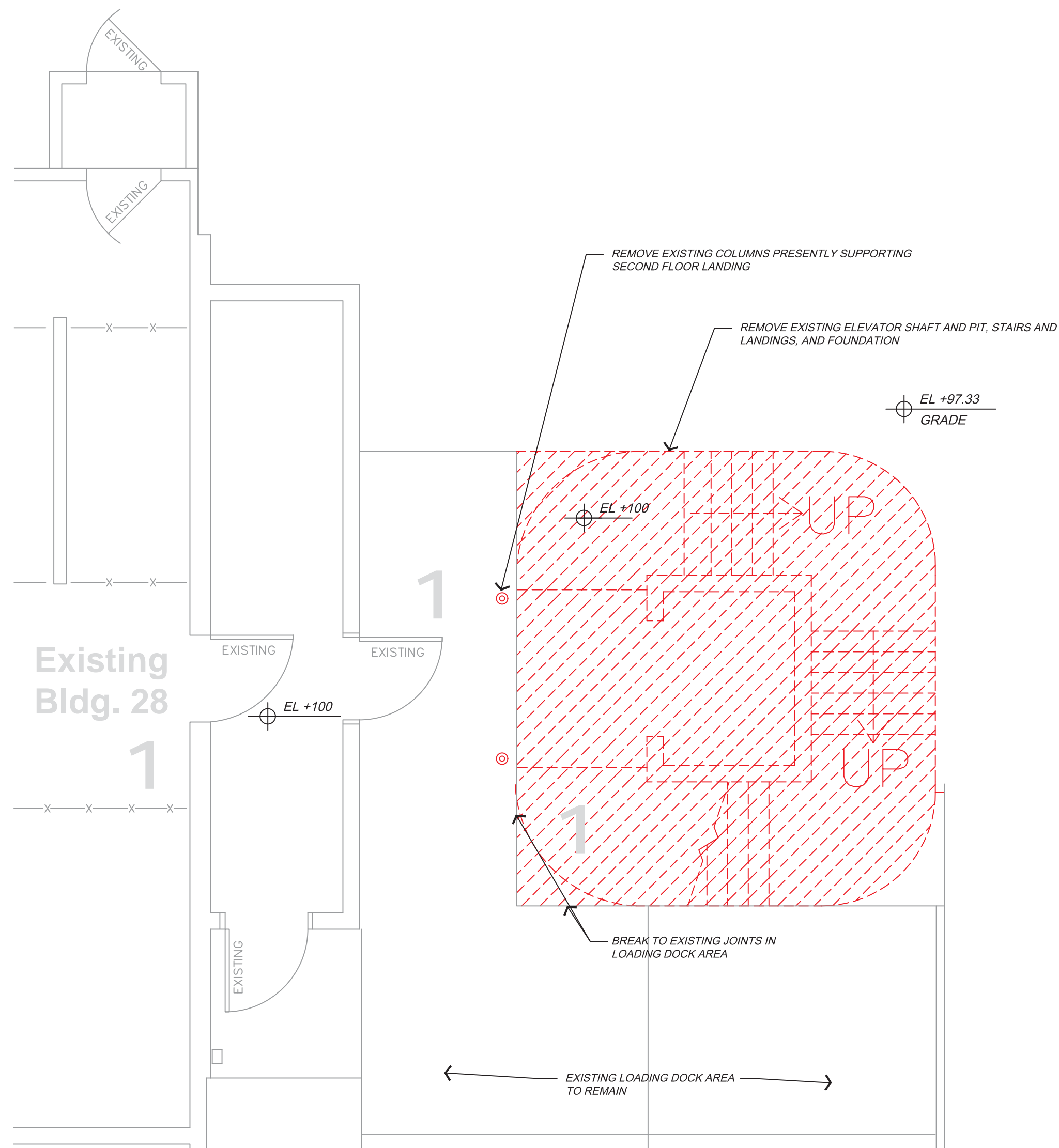
INSTALLATION OF EQUIPMENT OR ANY MEP DEVICE OR ANY FIXTURE SHALL INCLUDE ANY AND ALL MEP CONNECTIONS REQUIRED FOR NORMAL OR EMERGENCY OPERATION OF SAID DEVICE OR ANY DEVICE THAT IT DEPENDS ON FOR ANY OPERATION, OR ANY DEVICE THAT DEPENDS ON SAID DEVICE FOR ANY OPERATION, WHETHER OR NOT PRIMARY, SUBSIDIARY OR SECONDARY UNITS ARE INCLUDED IN THIS CONTRACT.

WHEN APPLICABLE, THE CONTRACTOR SHALL COORDINATE PHASING REQUIREMENTS WITH THE OWNER TO ASSURE THAT THE OWNER IS ABLE TO STAY OPEN AND REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PROCESS.

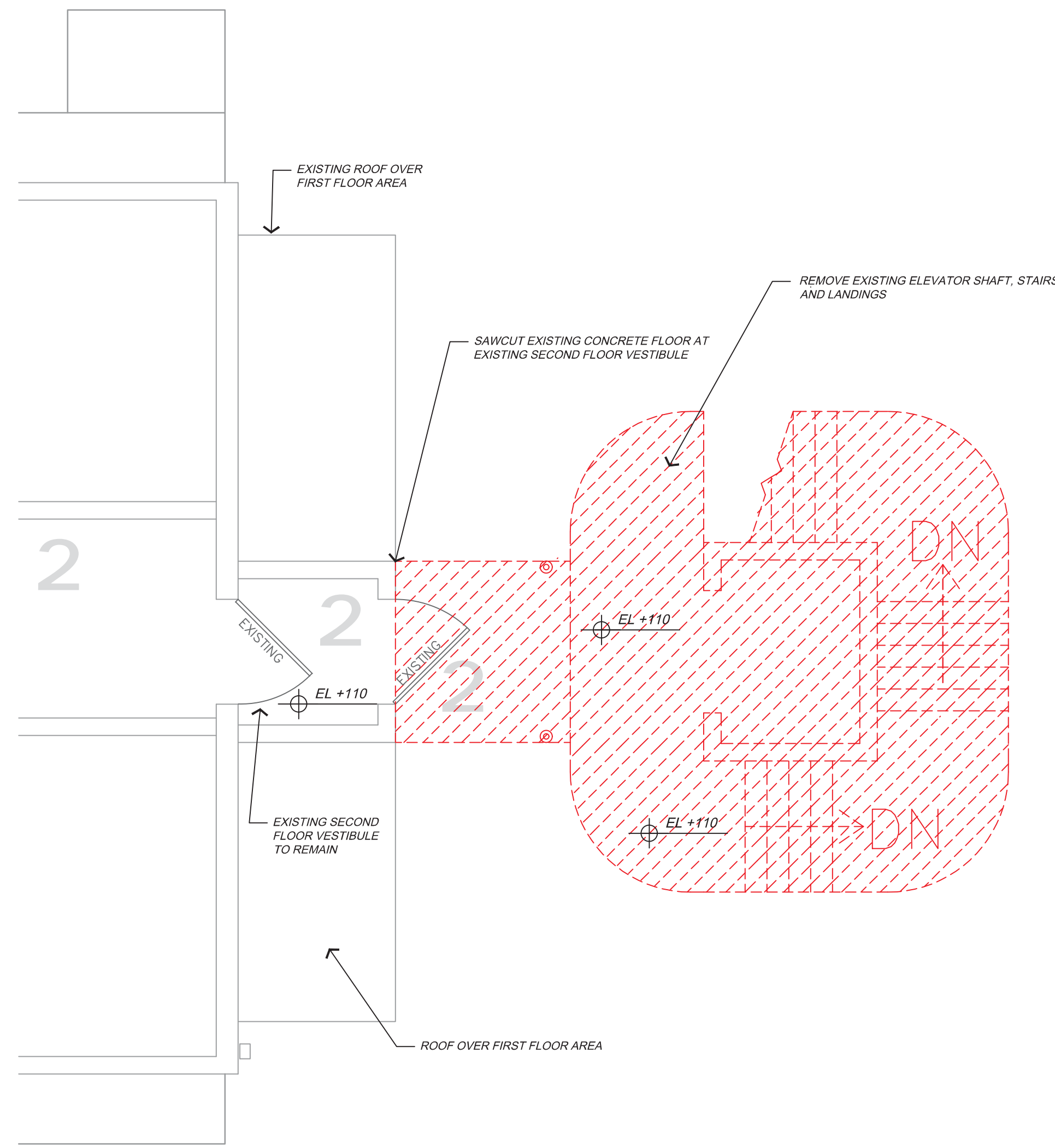
DO NOT SCALE DRAWINGS - USE NOTED DIMENSIONS ONLY. IF A REQUIRED DIMENSION IS NOT NOTED ON THE DRAWINGS, REQUEST THAT THE ARCHITECT PROVIDE THE REQUIRED DIMENSION(S) BEFORE PROCEEDING.



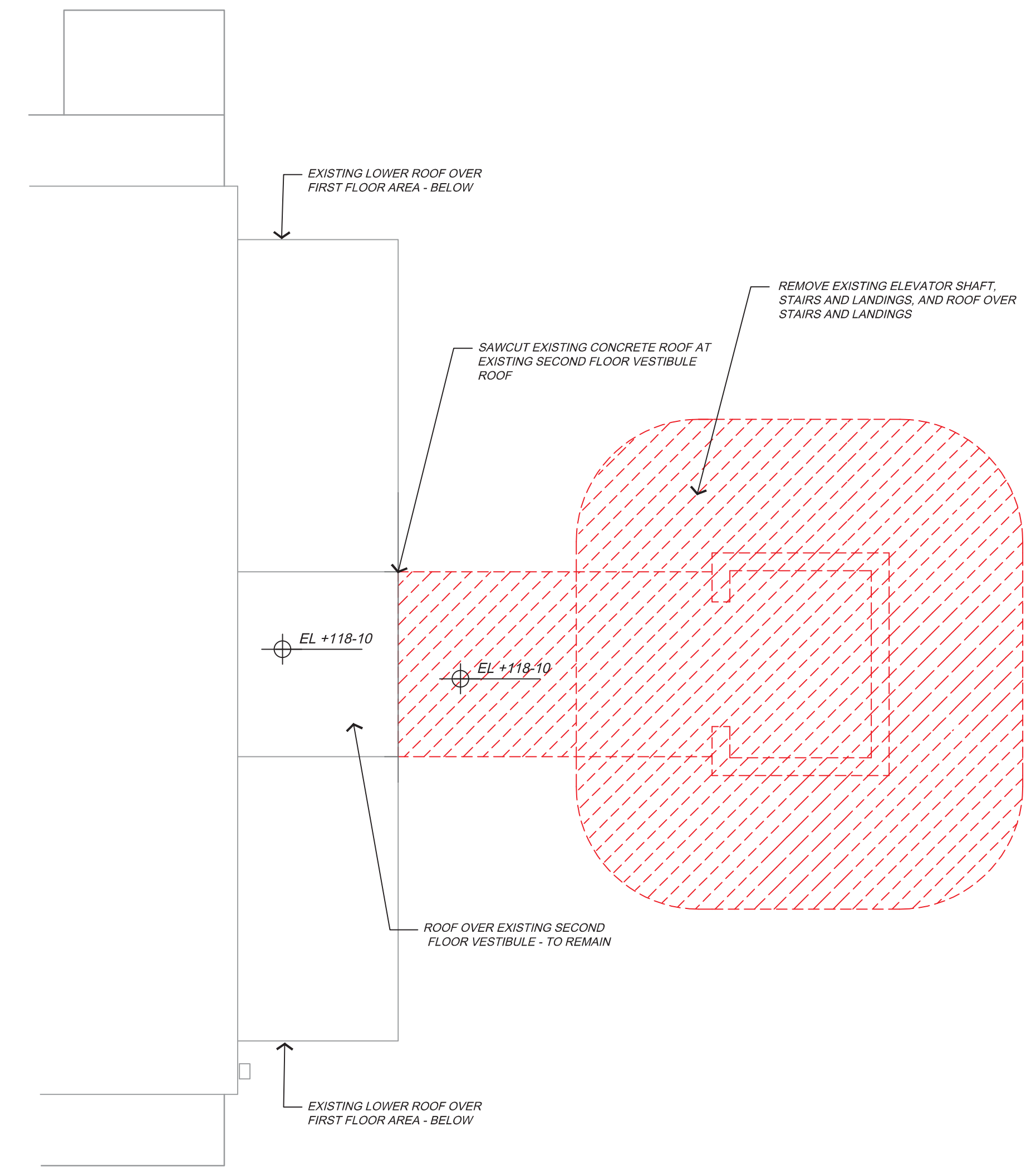
Project No. UL NIRC ELEV - BLDG 28
 Date JULY 14, 2023
 Revisions
 Drawing Title COVER SHEET
 Drawing No. A0.1
 © 2023 d + b ARCHITECTURE, LLC
 d + b ARCHITECTURE, LLC
 404 Commercial Parkway, Robert L. Langlais, AIA, Architect
 New Iberia, LA 70560
 Tel: 337.839.2505



1 First Floor Demolition at Bldg 28

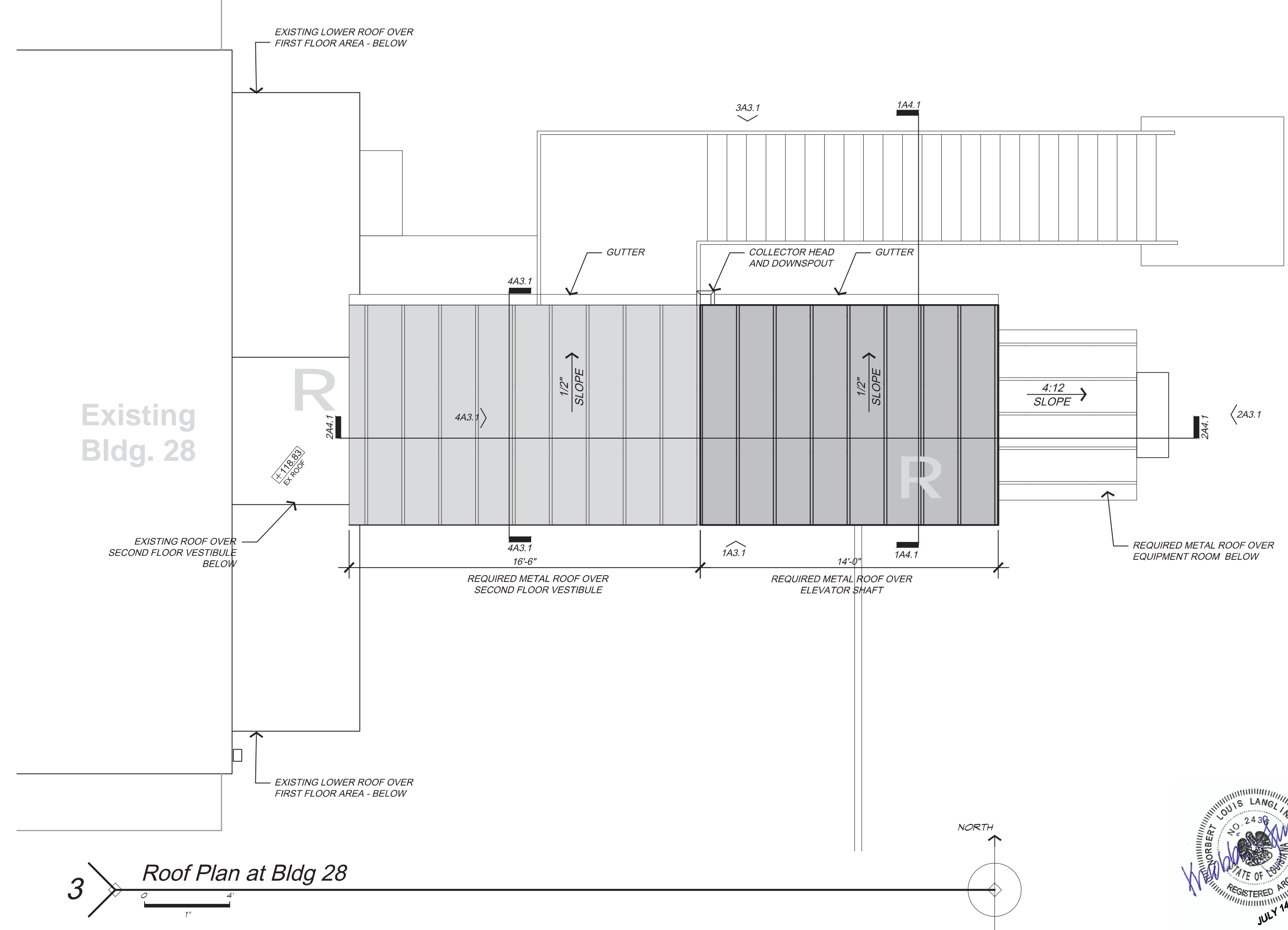
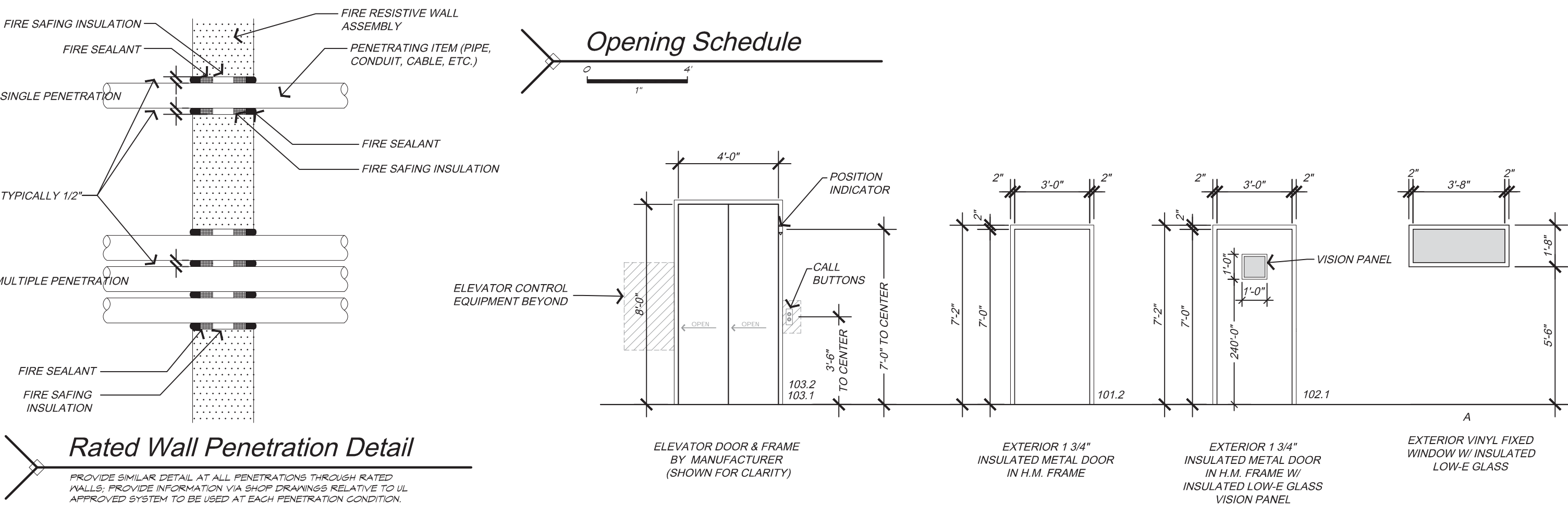
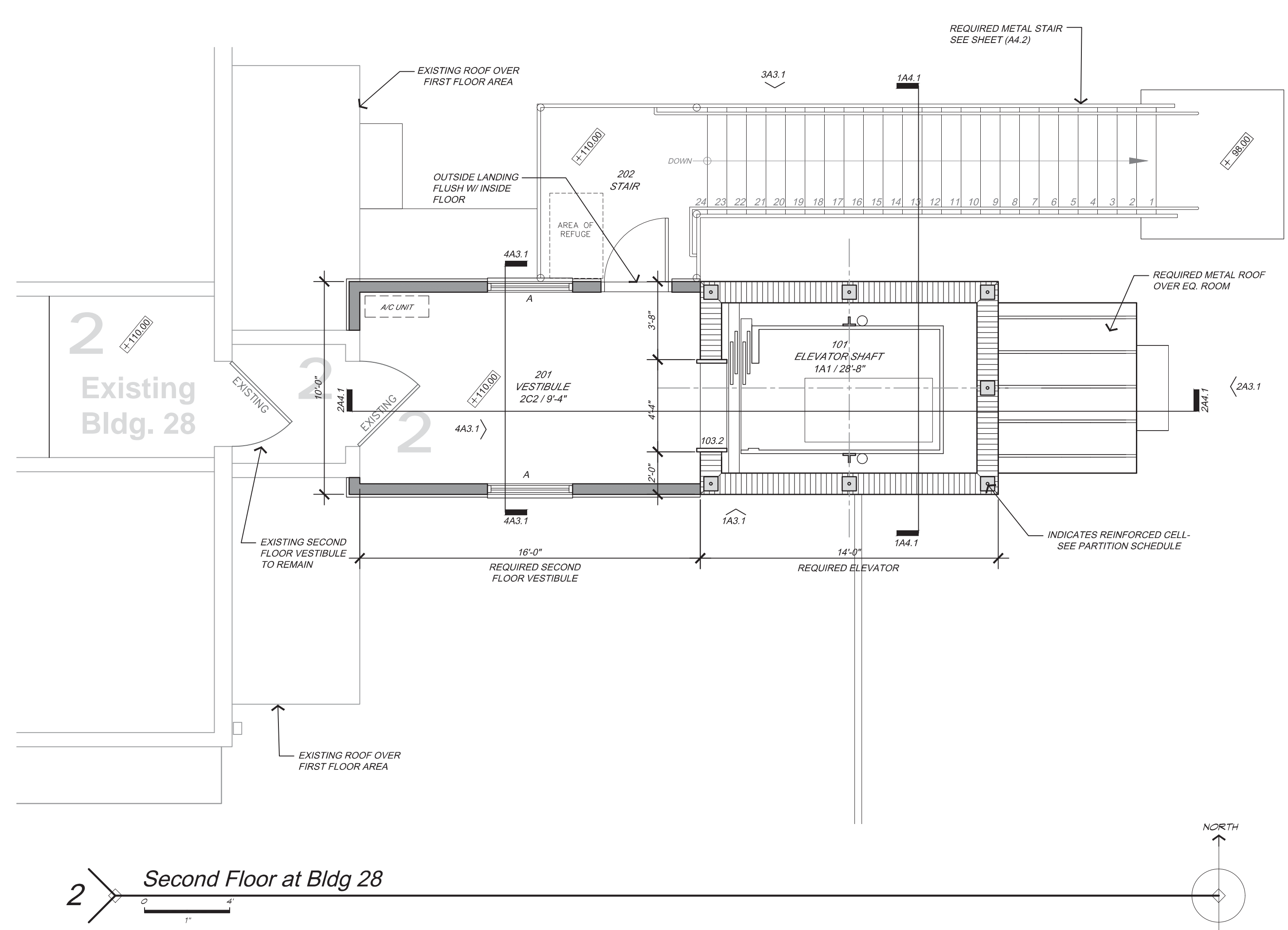
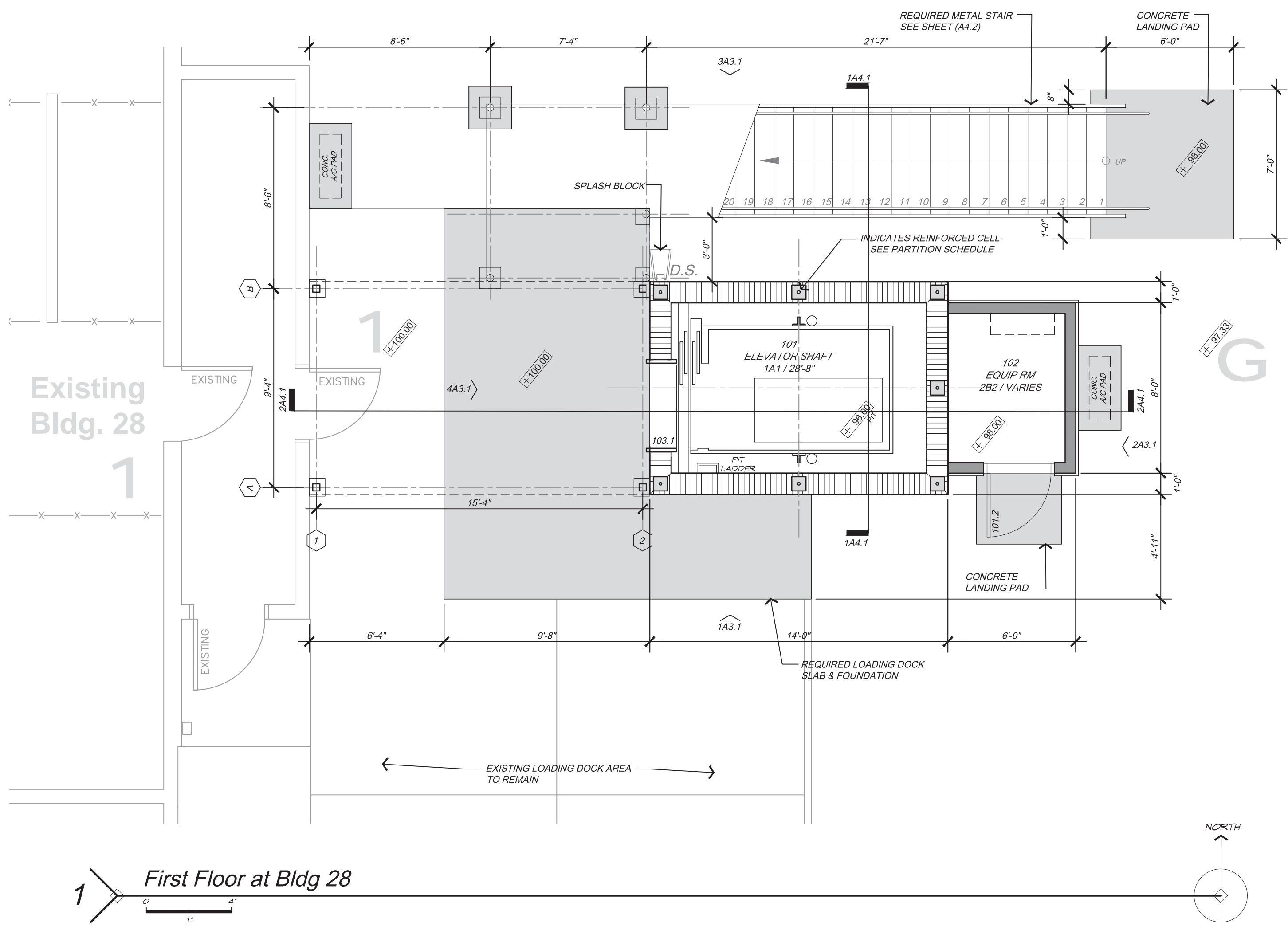


2 Second Floor Demolition at Bldg 28



3 Roof Demolition at Bldg 28

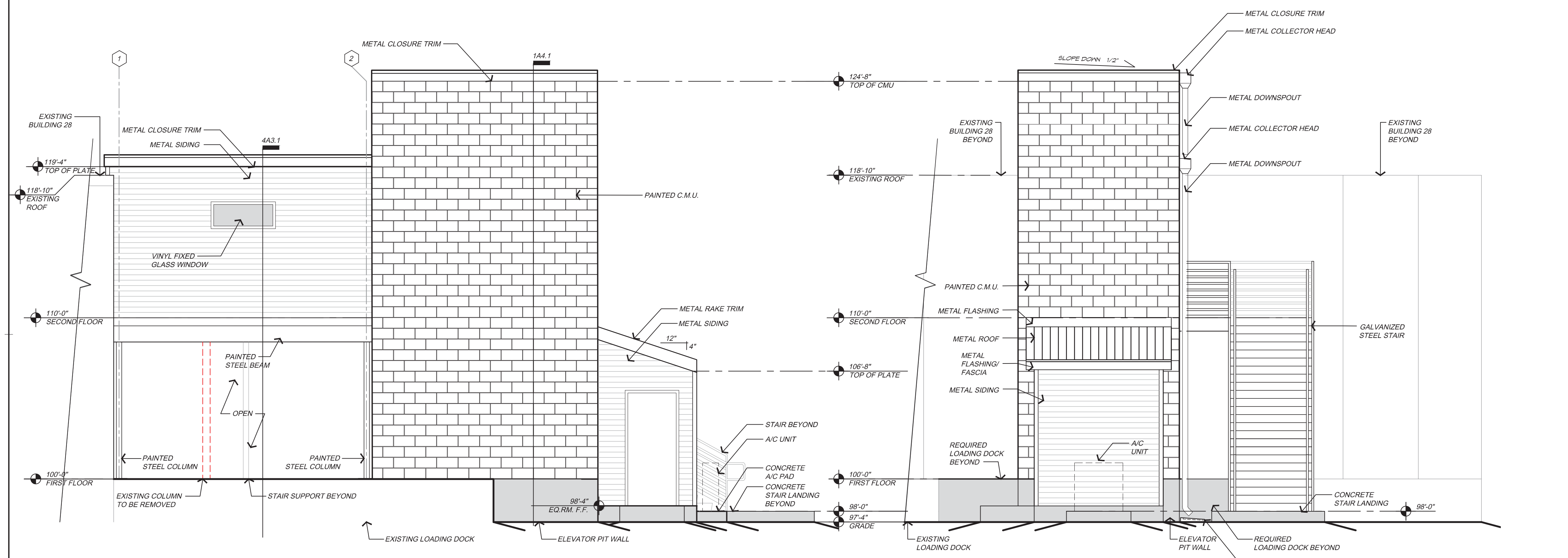




Finish Schedule	
Floor/Base	Wall
1 CONCRETE	A CONCRETE MASONRY UNITS
2 SEALED CONCRETE / 4" RESILIENT BASE	B PAINTED GYPSUM BOARD
	C FRP ON GYPSUM BOARD TO 8' A.F.F. WITH PAINTED GYPSUM BOARD ABOVE

Partition Schedule	
MARK	DESCRIPTION
P1	ONE LAYER OF 5/8" TYPE X EXTERIOR GYPSUM BOARD (DENSE GOLD OR APPROVED EQUAL) ATTACHED TO EACH SIDE OF 6" LOAD BEARING METAL STUD FRAMING SPACED AT 16" O.C.; EXTEND FROM FLOOR TO 8'-4" ABOVE FINISHED FLOOR
P2	12" CMU, RUNNING BOND WITH CONTINUOUS HORIZONTAL REINFORCEMENT AT 16" O.C.; REINFORCE CELLS WITH (1) #4 REBAR @ CORNERS, JAMBS, AND WHERE SHOWN ON PLANS SET IN PEA-GRAVEL MIX CONCRETE FILL FULL HEIGHT OF WALL; EXTEND FROM FLOOR TO DECK AND SEAL WITH FIRE CAULK

Exterior Finish Notes	
1	ALL EXTERIOR CONCRETE MASONRY UNITS TO BE SEALED AND PAINTED AS INDICATED IN THE SPECIFICATIONS
2	ALL EXPOSED STEEL AT THE LOADING PLATFORM AREA UNDER VESTIBULE 201 TO BE PRIMED AND PAINTED AS INDICATED IN THE SPECIFICATIONS, INCLUDING COLUMNS, BEAMS, AND METAL DECK
3	ALL EXPOSED STEEL AT THE NEW EXTERIOR STAIR TO BE GALVANIZED AS INDICATED IN THE SPECIFICATIONS



Wind Load Design Criteria:

BUILDING SHALL BE DESIGNED TO WITHSTAND 134 MPH BASIC WIND SPEED (MINIMUM), GROUND SURFACE ROUGHNESS 'B', RISK CATEGORY 2, AND 1.0 WIND IMPORTANCE FACTOR. THIS CRITERIA SHALL BE CONSIDERED MINIMUM. IF CODE REQUIREMENTS ARE GREATER, BUILDINGS SHALL BE DESIGNED TO MEET OR EXCEED CODE REQUIREMENTS.

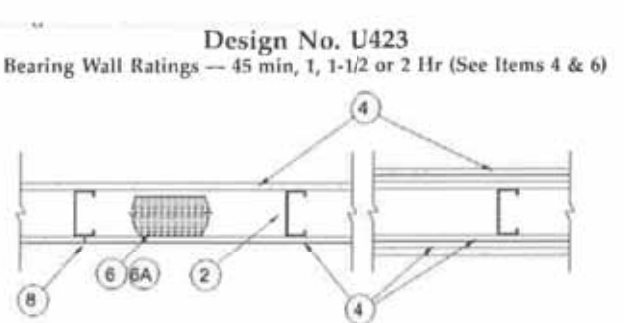
PROVIDE HURRICANE CLIPS AT EACH ROOF FRAMING MEMBER TO LOAD BEARING WALLS AND AT EACH LOAD BEARING STUD THROUGH BOTTOM TRACK TO FLOOR SLAB.

Insulation Systems:

ROOF INSULATION
 8" R-30 MINIMUM INSTALLED IN BETWEEN THE RAFTERS UNDER ENTIRE ROOF AREAS.

WALL INSULATION (ALL EXTERIOR WALLS)
 6" R-19 MINIMUM INSTALLED IN BETWEEN THE STUDS AT ALL EXTERIOR WALLS. CONTINUOUS FROM THE FLOOR SLAB TO THE TOP OF THE WALL.

UL Detail - U423



- Floor and Ceiling Runners** — (Not shown) — Channel shaped, fabricated from min 0.029 in. bare metal thickness (No. 20 MS) corrosion-protected steel, that provide a sound structural connection between steel studs and adjacent assemblies such as floors, ceilings and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.
- Steel Studs** — Min 0.029 in. bare metal thickness (No. 20 MS) corrosion-protected steel with min 3/12 in. wide cold formed designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details reinforcing the structural integrity of the wall assembly including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.
- Lateral Support Members** — (Not shown) — Where required for lateral support of studs, support shall be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.
- Gypsum Board** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered when load is reduced to 90 percent of max stud capacity. When load is at 100 percent, horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers and percent of design load for the 45 min, 1 1/2 hr, and 2 hr ratings are as follows:

Rating	Wallboard Protection on Each Side of Wall	No. of Layers & Thickness of Stud	% of Design Load
45 min		1 layer, 1/2 in. thick	100
1 1/2 hr		1 layer, 5/8 in. thick	100
2 hr		2 layers, 1/2 in. thick	100
2 hr		2 layers, 5/8 in. thick	100
2 hr		3 layers, 1/2 in. thick	100
2 hr		2 layers, 3/4 in. thick	100

Rating applicable when Batts and Blankets (Item 6) are used:
ANADIAN GYPSUM COMPANY — 1/2 in. thick Type IP-AR, IP-X2, IPC-AR, SCX, SHX, WRX, AR, C, WRC, or 3/8 in. thick Type SCX, SHX, WRX, AR, C, IP-AR, IP-X2, IPC-AR, or WRC, 3/4 in. thick Type AR, IP-AR, IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.
UNITED STATES GYPSUM CO. — 1/2 in. thick Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRX, WRC; FRX-G or IP-X2, 3/4 in. thick Type AR, IP-AR or IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

Fasteners — (Not shown) — Type S-12 steel screws used to attach panels to runners (Item 1) and studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. Two layer systems: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1 5/8 in. long for 1/2 in. and 5/8 in. thick panels or 2 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Screws offset 8 in. from first layer. Three-layer systems: First layer: 1 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer: 1 5/8 in. long for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

Batts and Blankets — (Required as indicated under Item 4) — Nom 2 in. thick mineral wool batts, friction fitted between studs and runners. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

Batts and Blankets — (Optional, not shown) — Placed in stud cavity, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

Furring Channels — (Optional on one or both sides, not shown, for single or double layer systems) — Resistant furring channels (fabricated from min 25 MS) corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 painted steel screws. Not for use with type FRX (Gypsum panels).

Steel Framing Members (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
 a. **Furring Channels** — Formed of No. 25 MS galv steel: 2-3/8 in. wide 7/8 in. deep, spaced max 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 5. Gypsum board attached to furring channels as described in Item 5. Not for use with type FRX gypsum panels.
 b. **Steel Framing Members** — Used to attach furring channels (Item 7a) to studs (Item 2). Clips spaced max 48 in. OC, and secured to studs with No. 8 x 1 1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

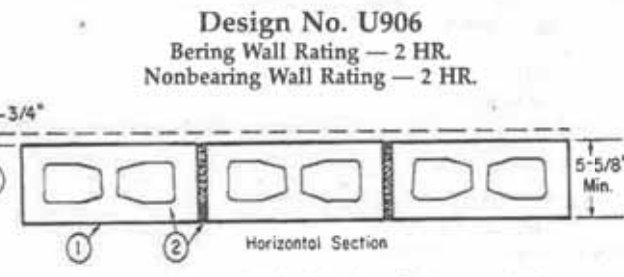
Joint Tape and Compound — Vinyl or caulk, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layers. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

Siding, Brick or Stucco — (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, thick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

Caulking and Sealants — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control. **UNITED STATES GYPSUM CO.** — type AS

*Bearing the UL Classification Mark

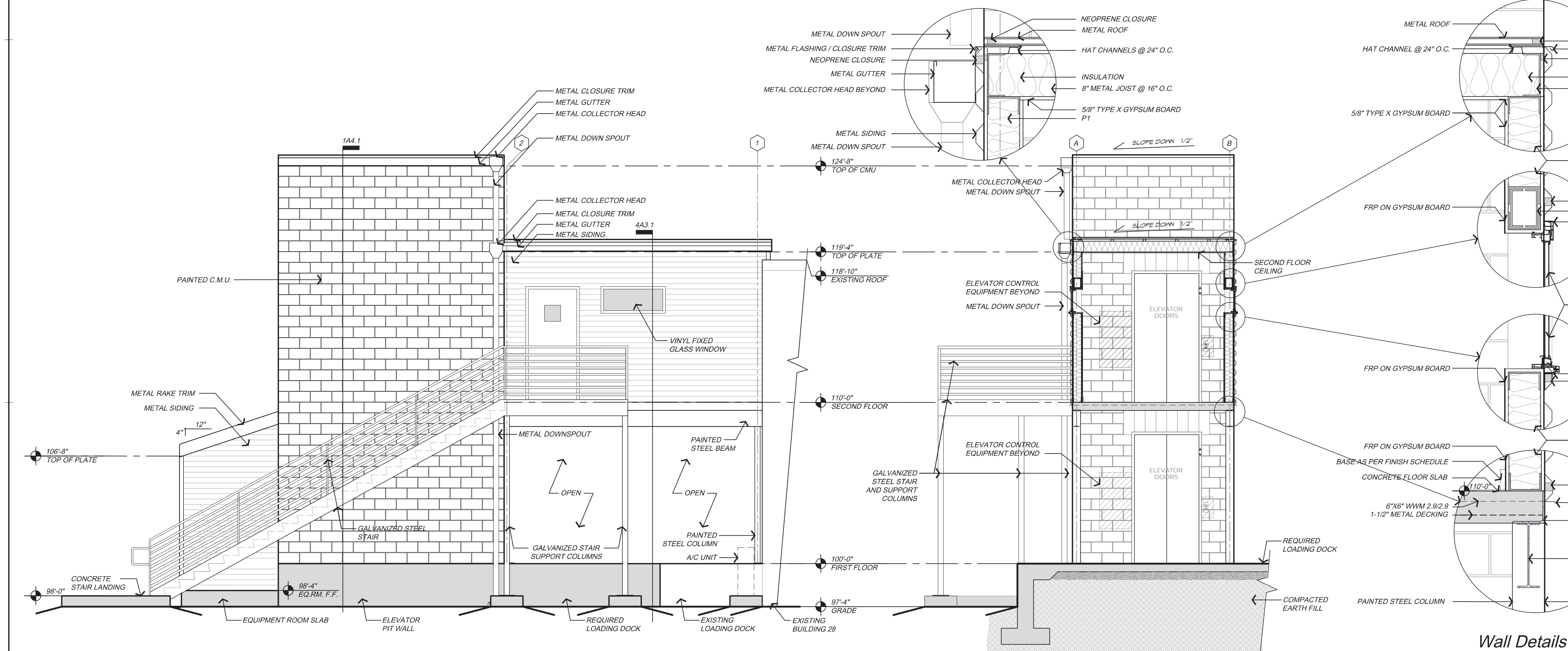
UL Detail - U906



Concrete Blocks — Nominal 6 by 8 by 16 in. hollow or solid.
ANCHOR CONCRETE PRODUCTS INC
 Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.
BETCO BLOCK & PRODUCTS INC, DBA ARTHUR WHITCOMB
WESTBROOK CONCRETE BLOCK CO INC
 Allowable compressive stress of 25.6% of max allowable compressive stress in accordance with the empirical design method.
Mortar — Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).
Foamed Plastic — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
CELOTEX CORP. — Type Thermax learning the UL Classification Marking

1 South Exterior Elevation

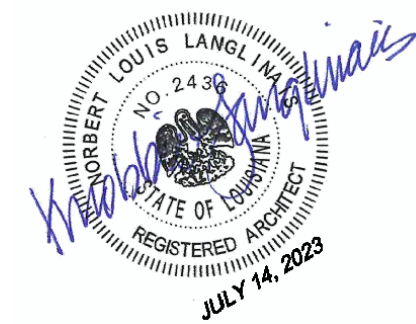
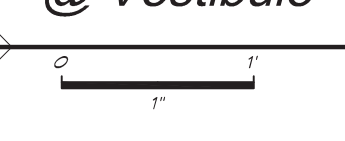
2 East Exterior Elevation

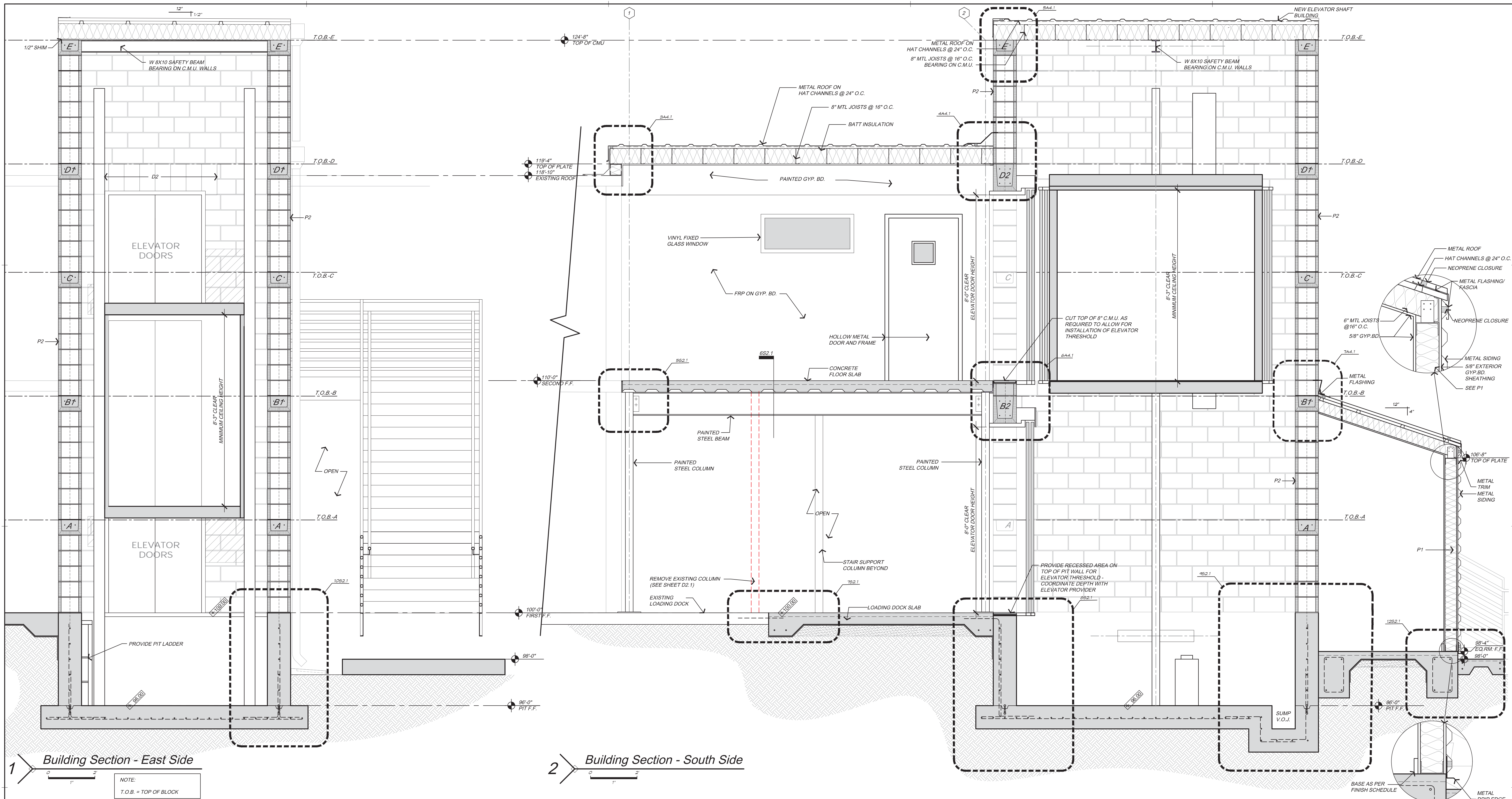


3 North Exterior Elevation

4 West Exterior Elevation/Section

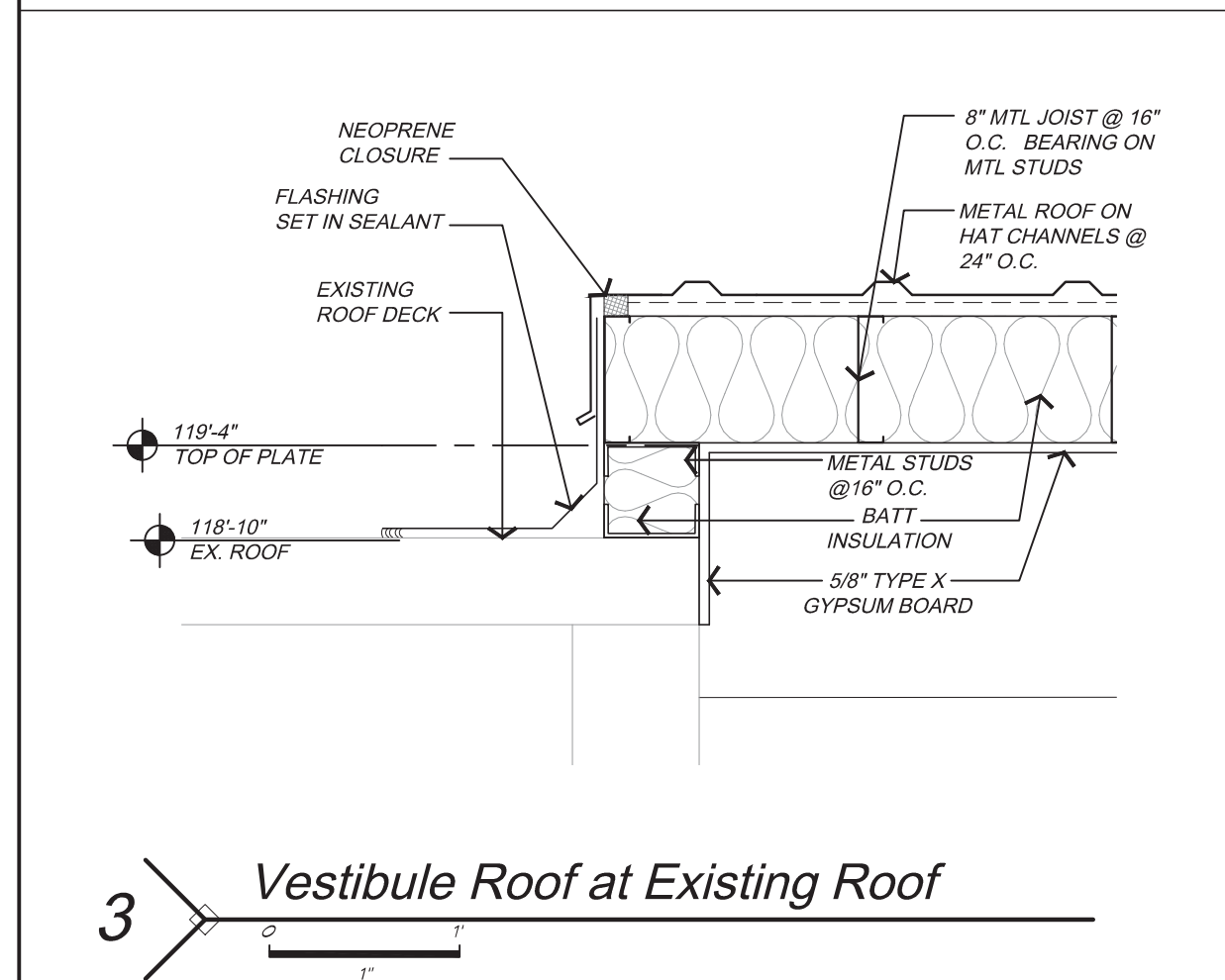
Wall Details @ Vestibule



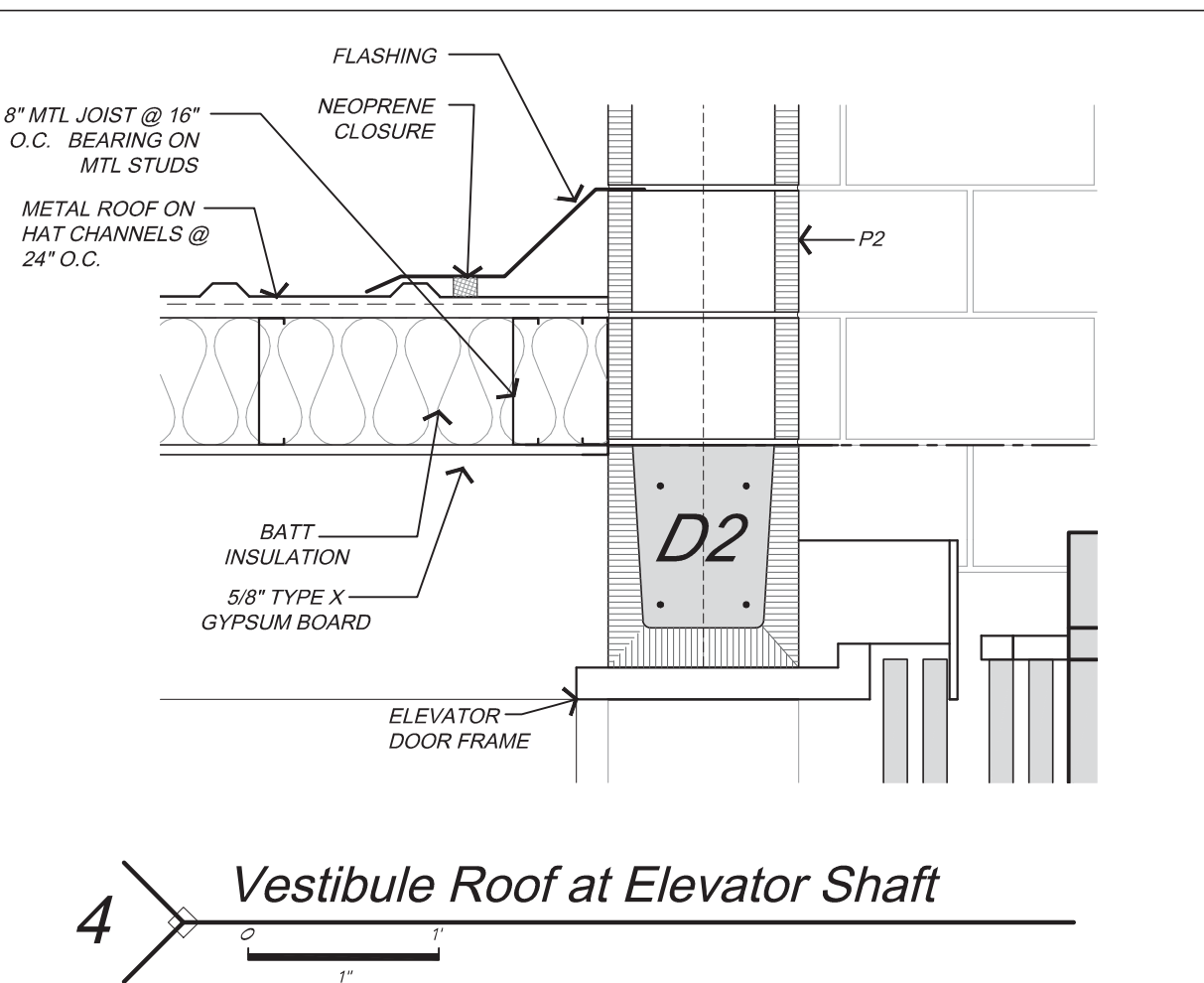


1 Building Section - East Side
 NOTE:
 T.O.B. = TOP OF BLOCK

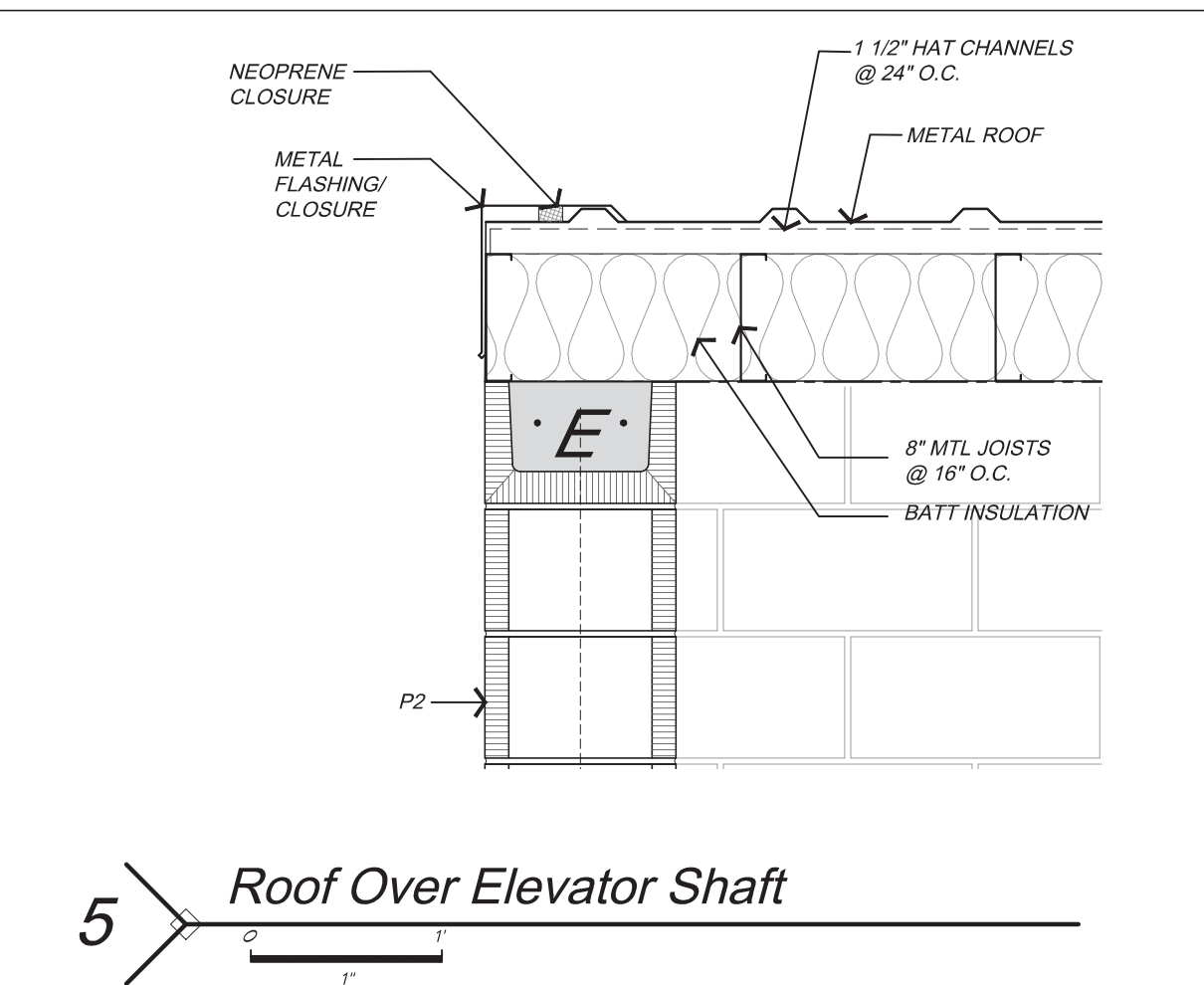
2 Building Section - South Side



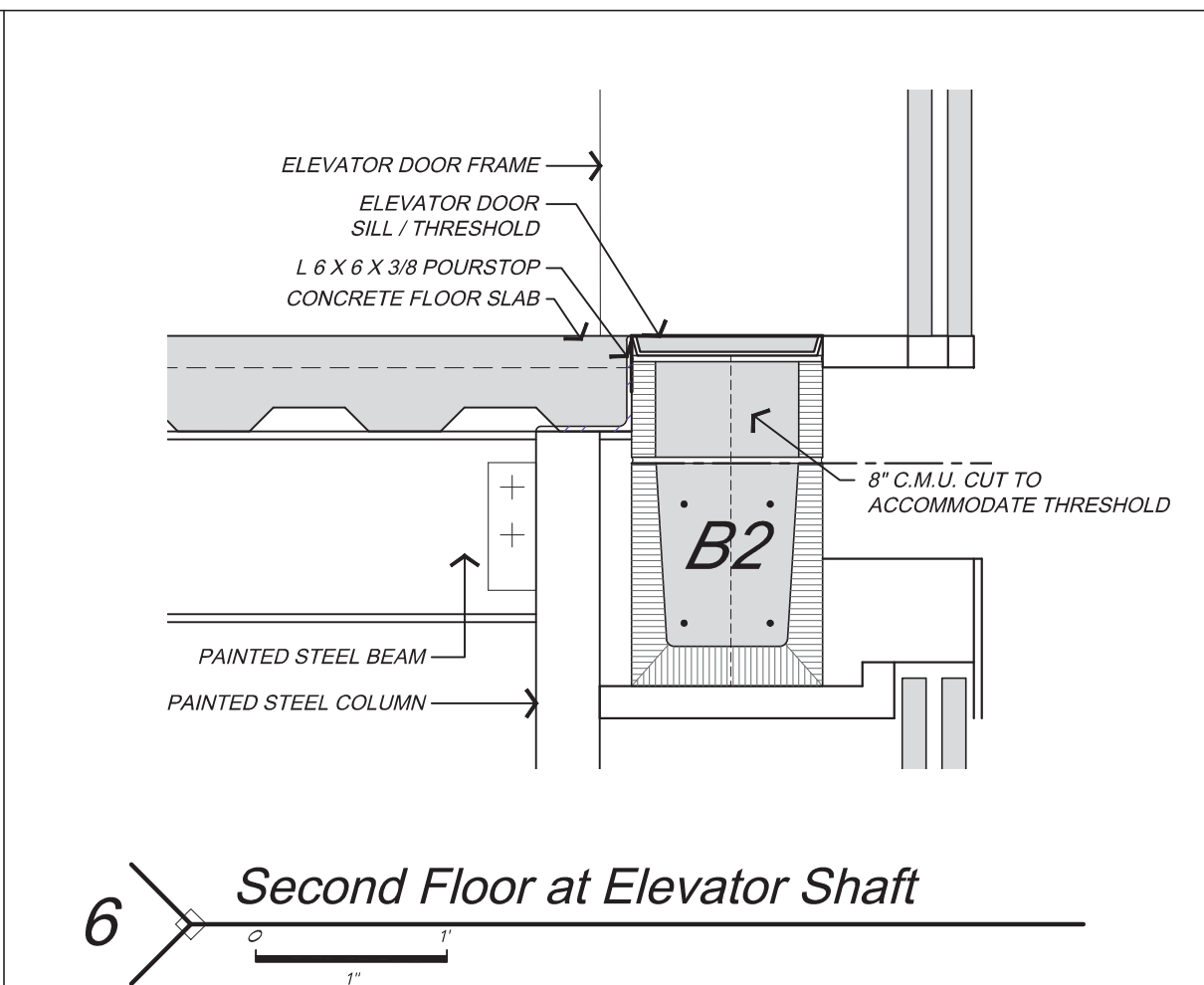
3 Vestibule Roof at Existing Roof



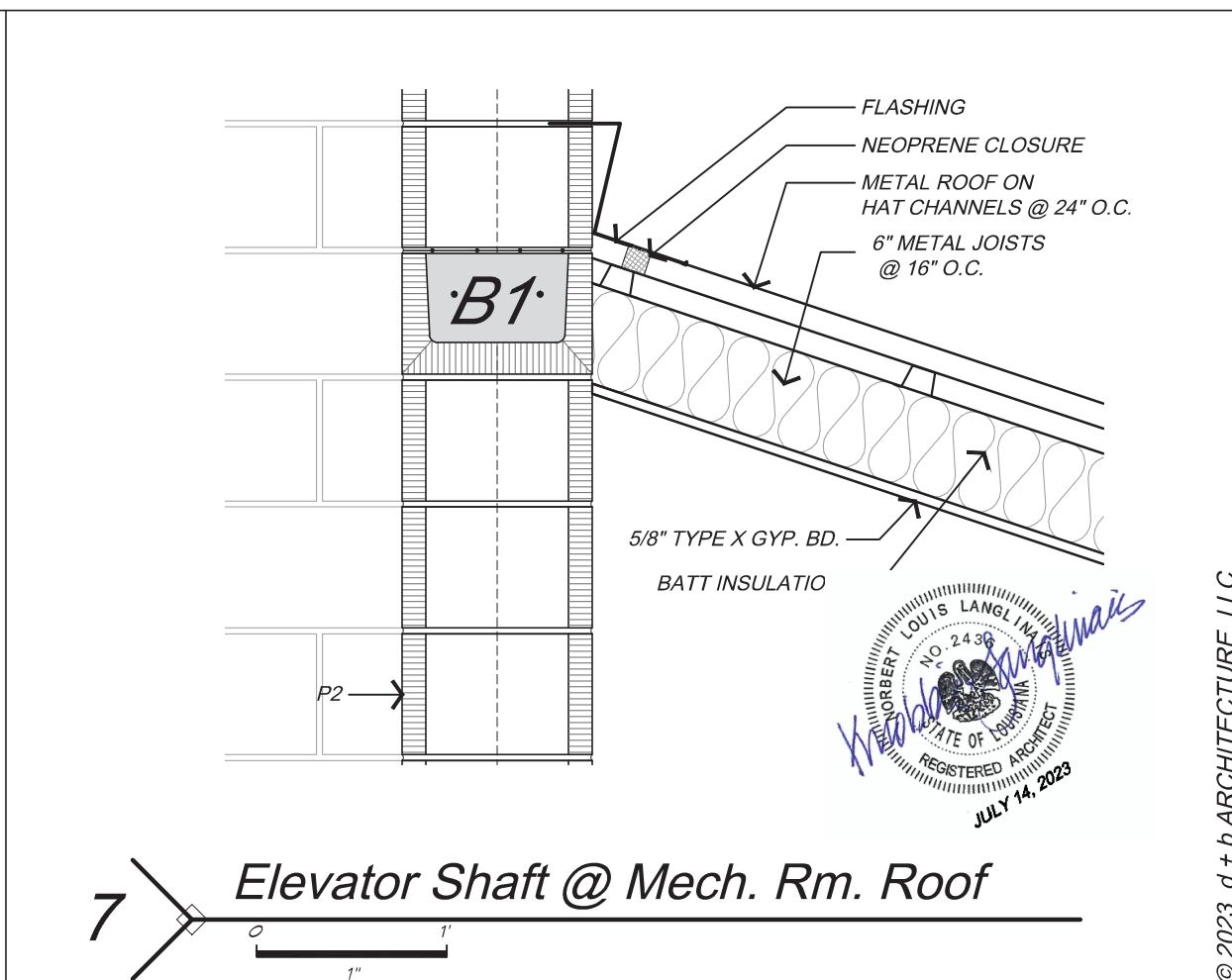
4 Vestibule Roof at Elevator Shaft



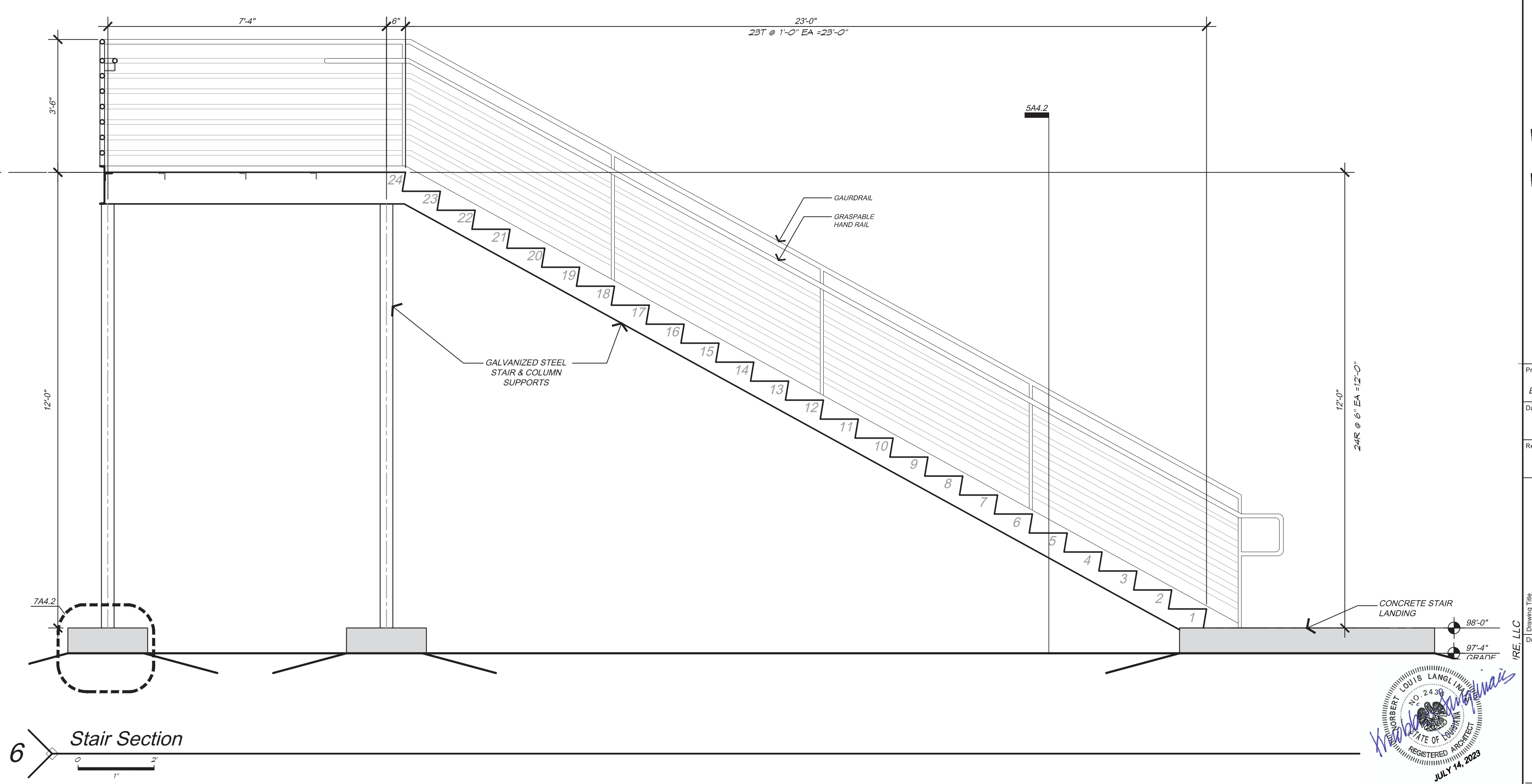
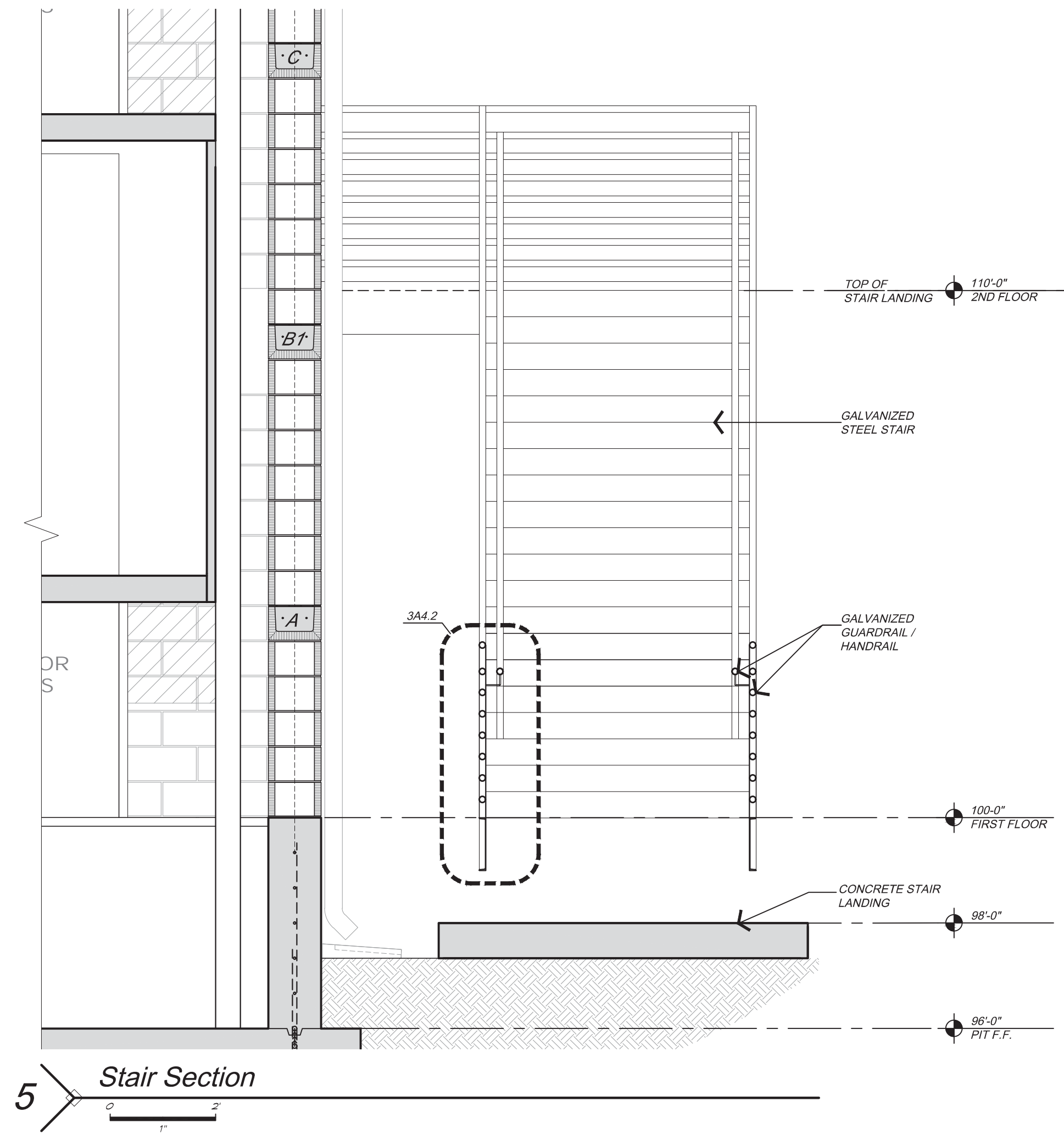
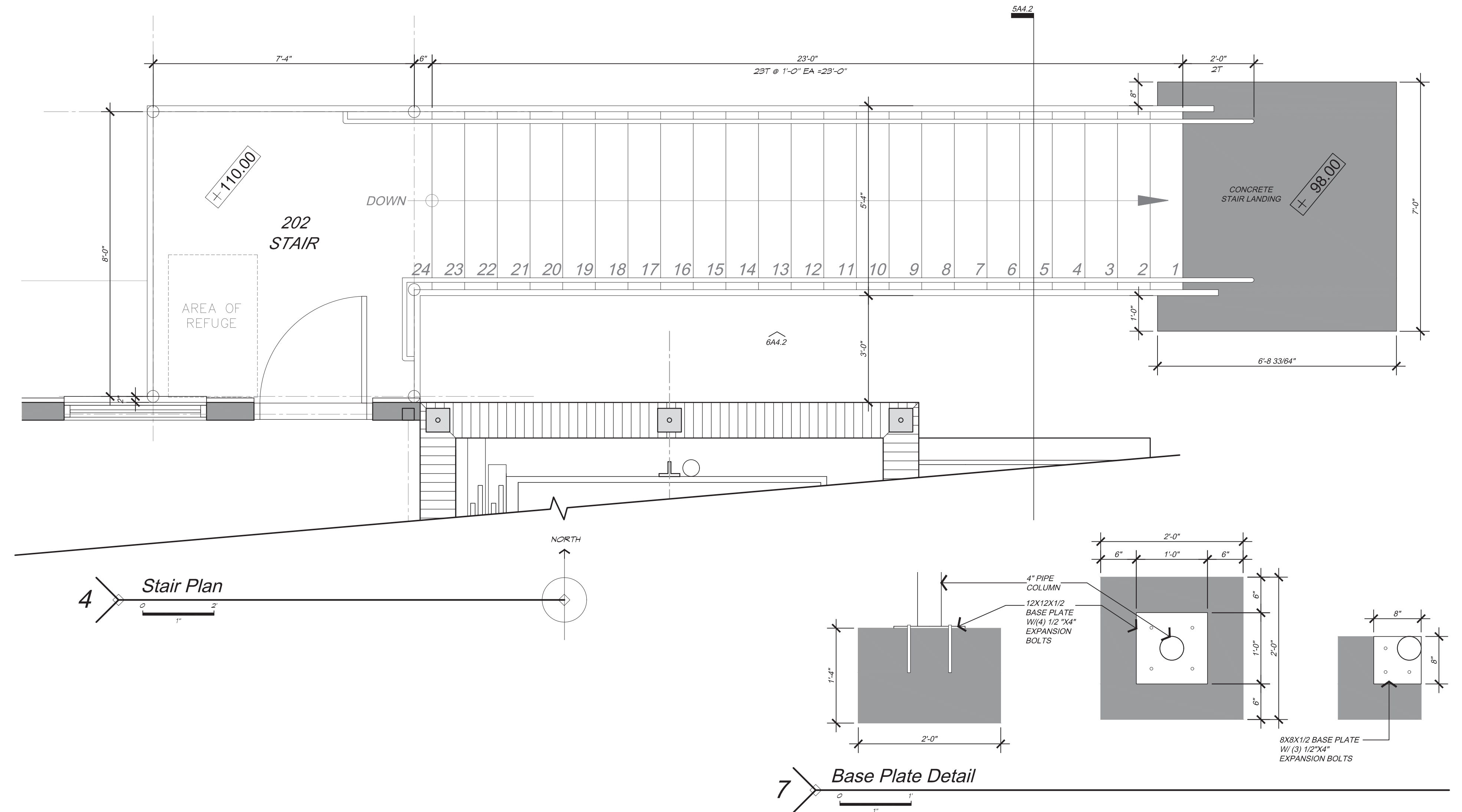
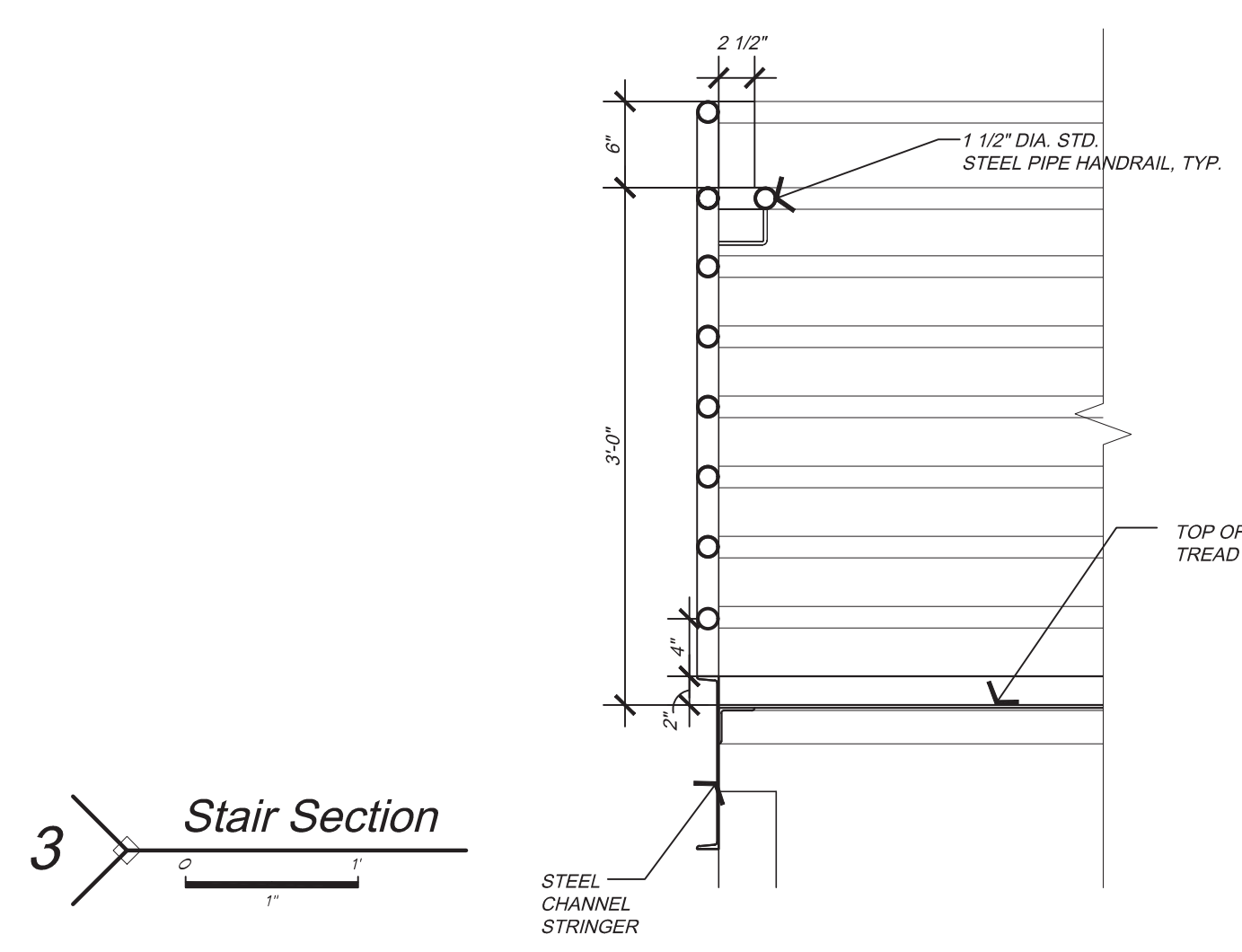
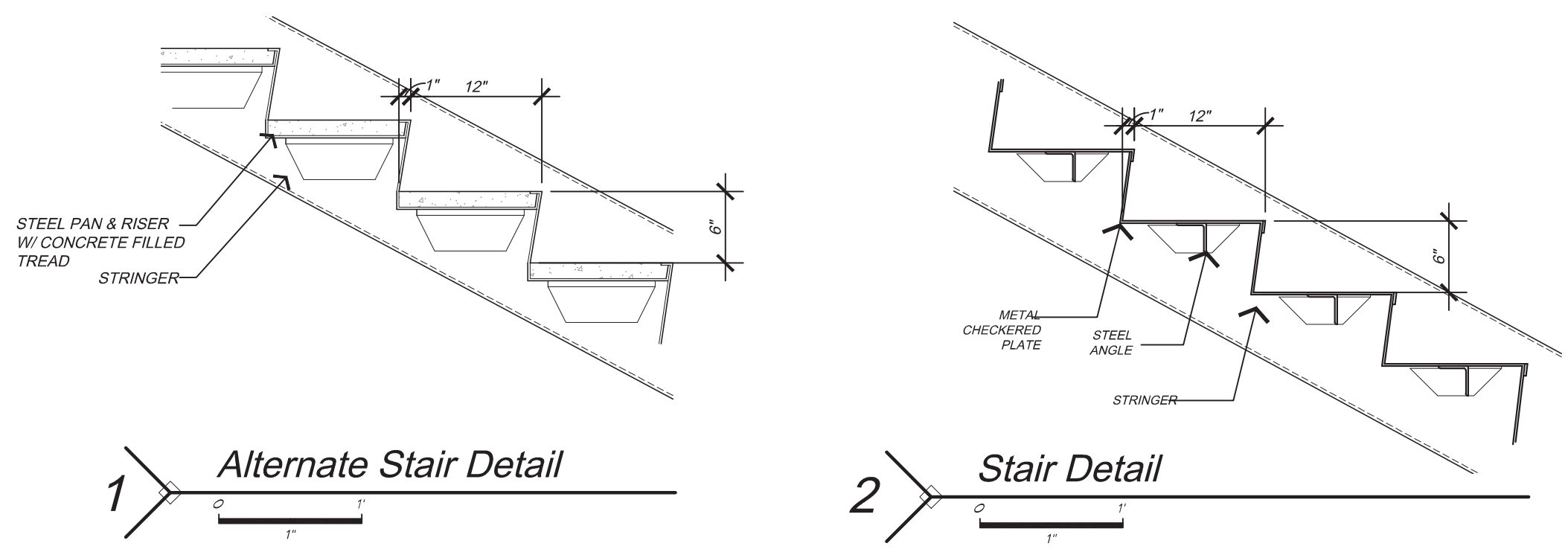
5 Roof Over Elevator Shaft

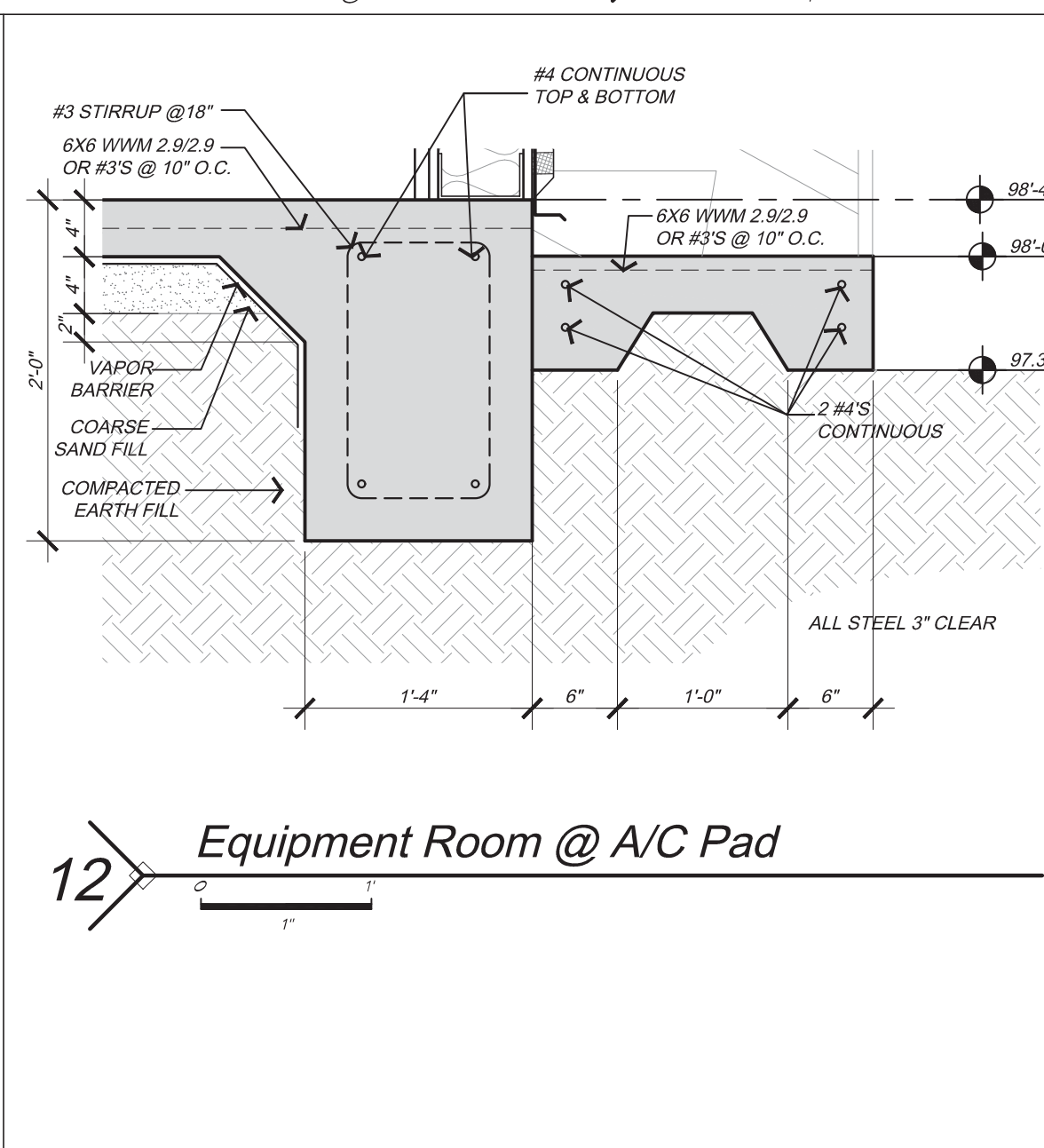
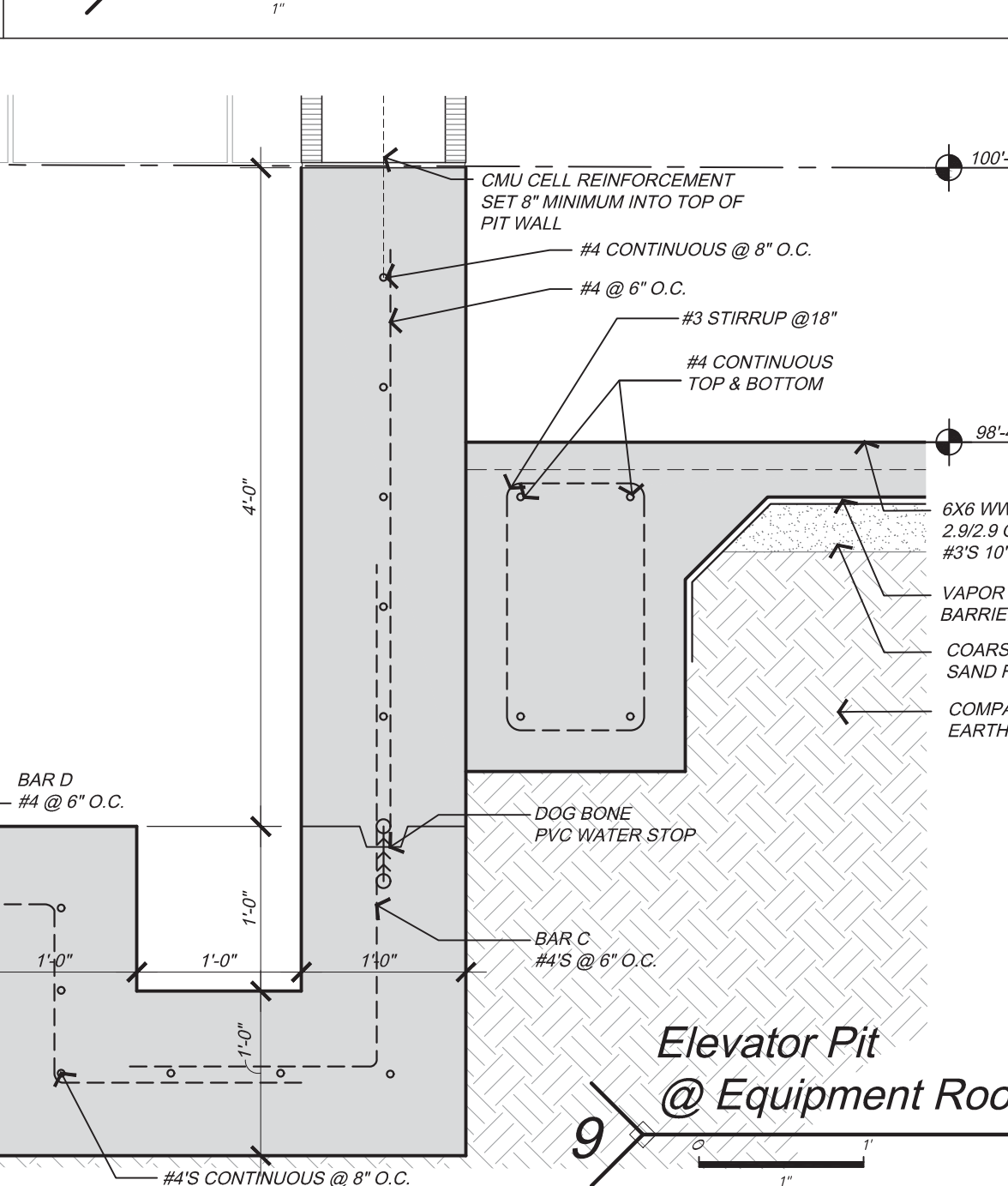
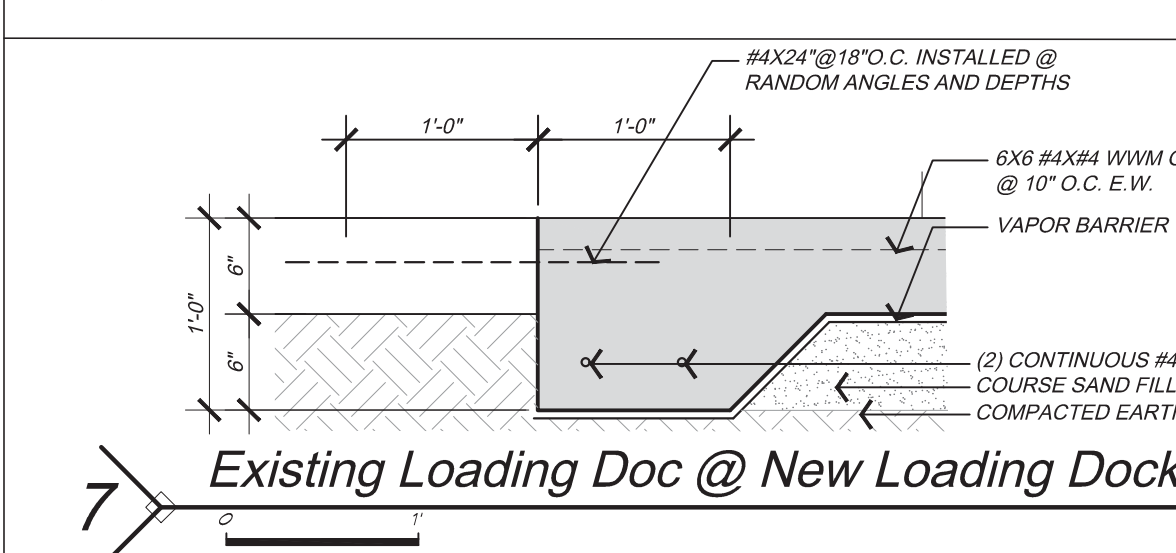
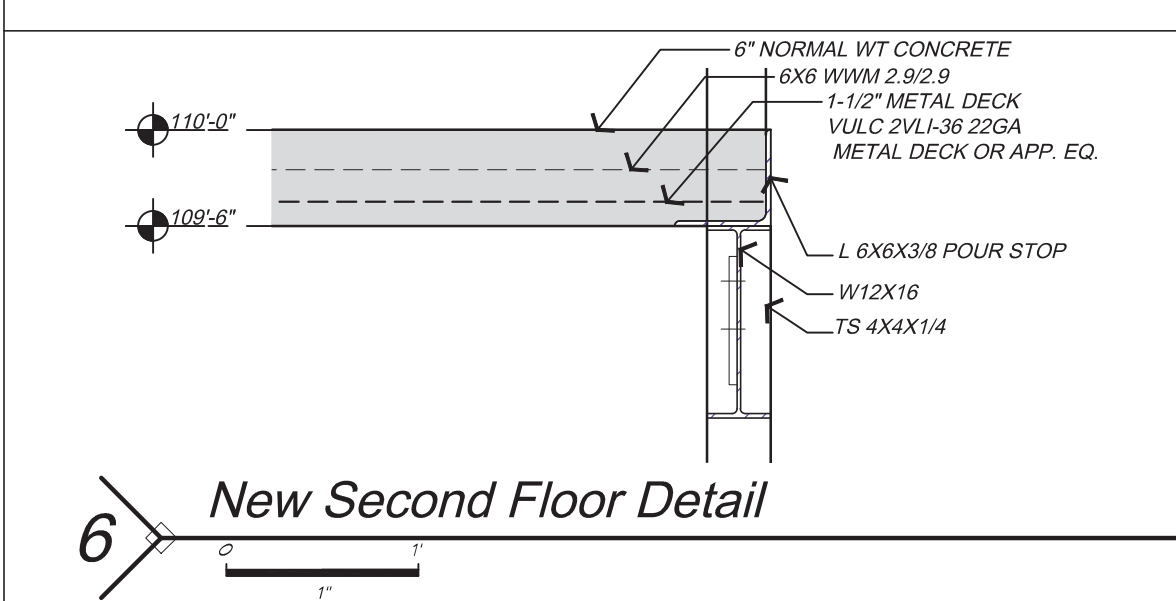
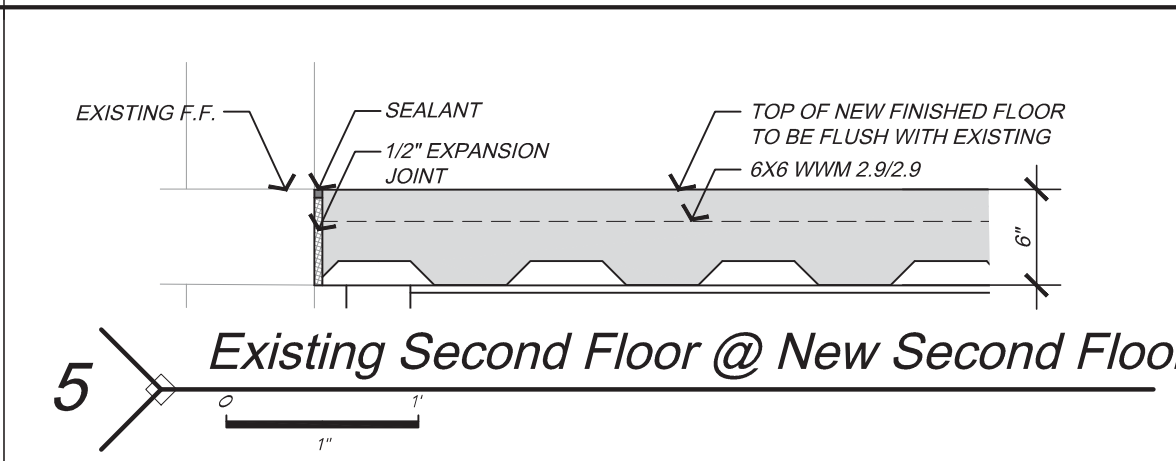
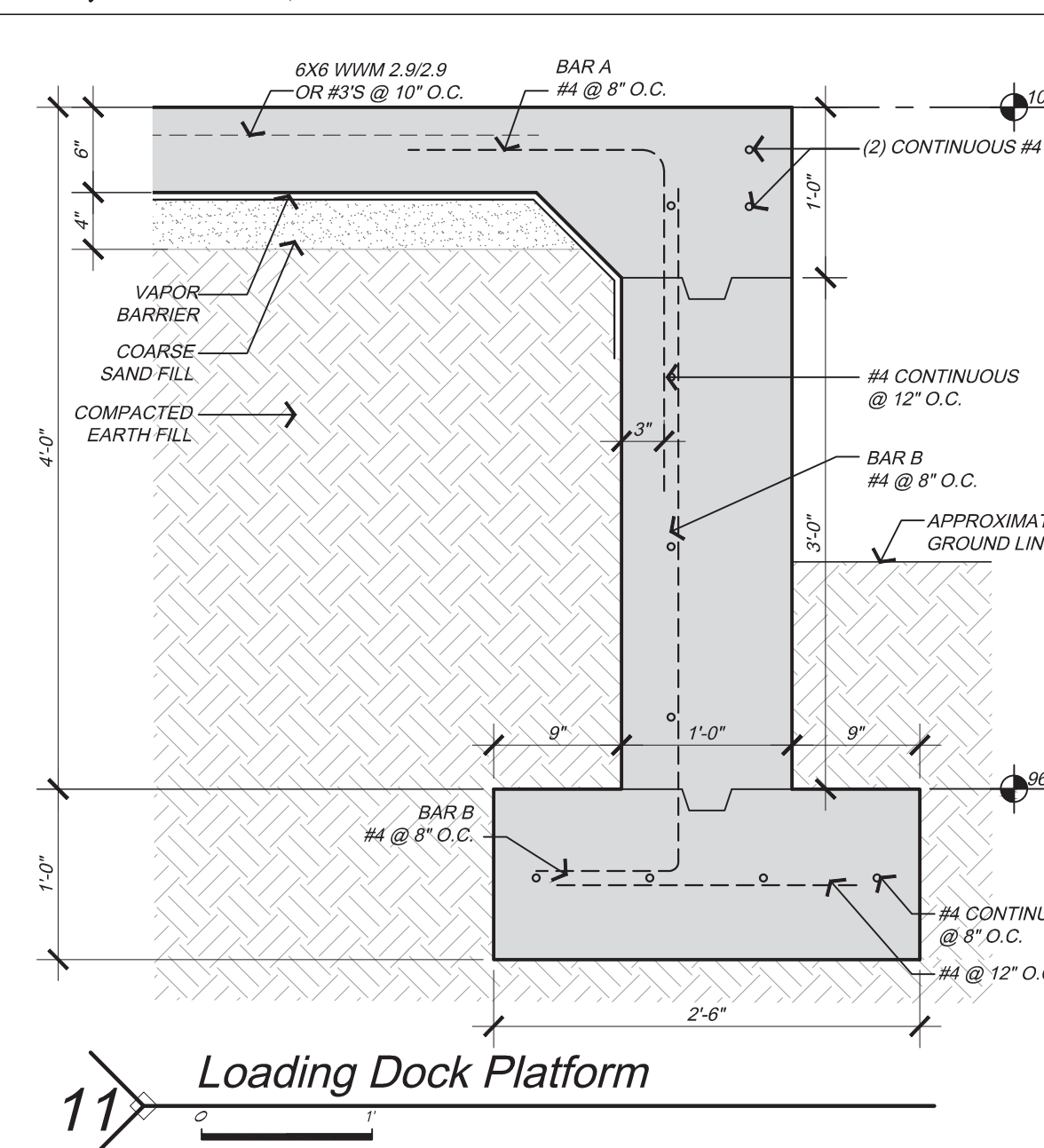
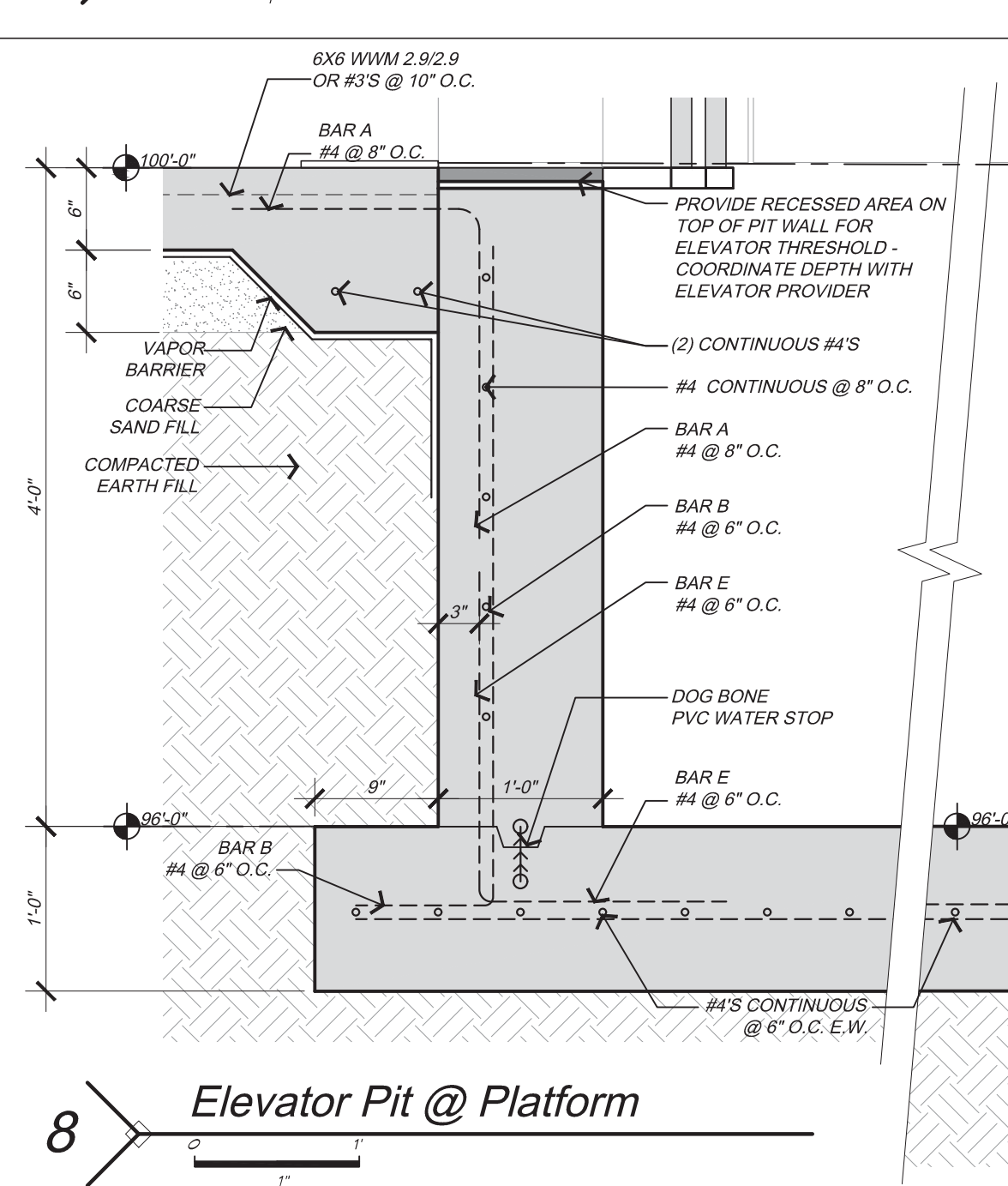
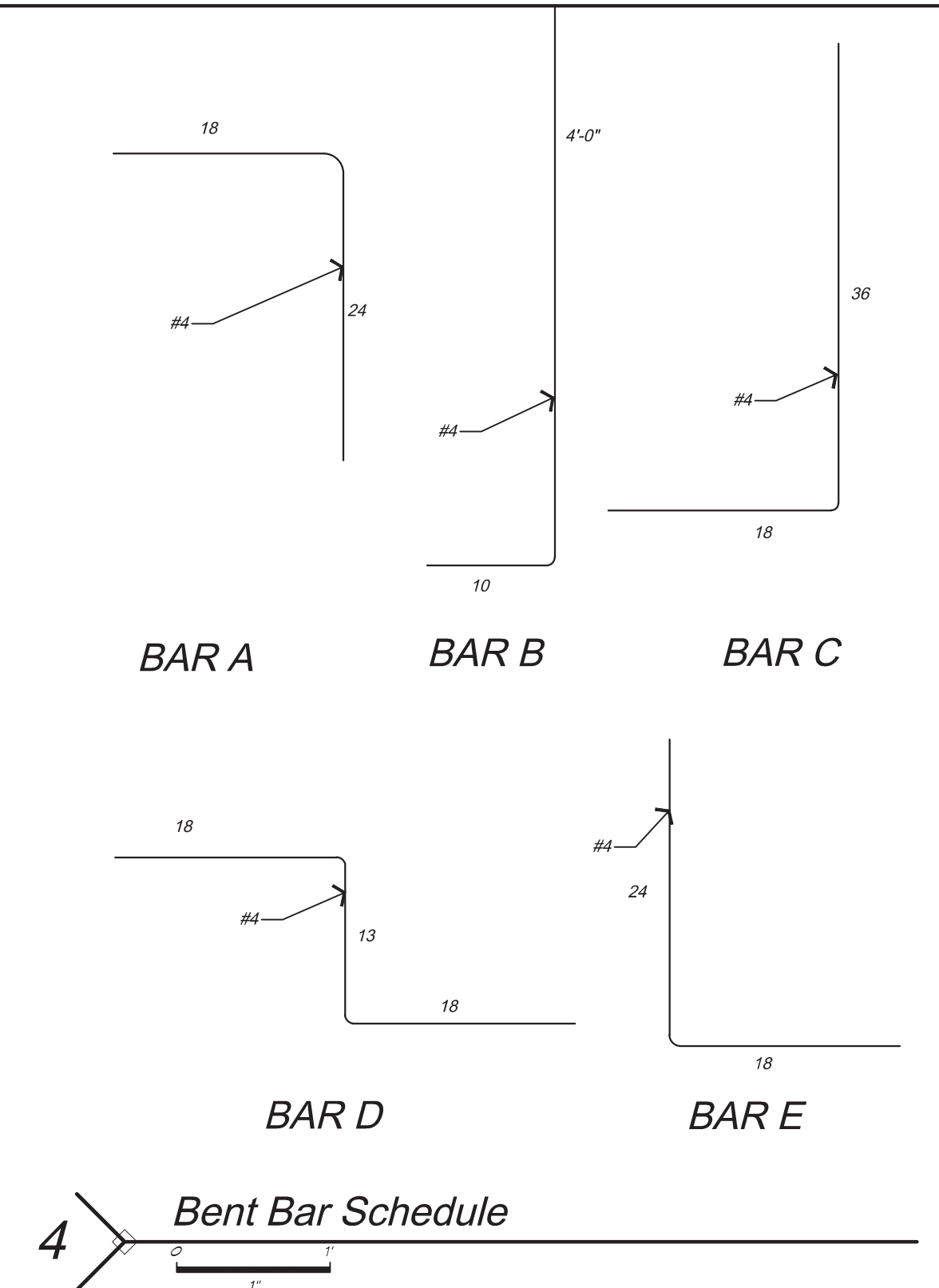
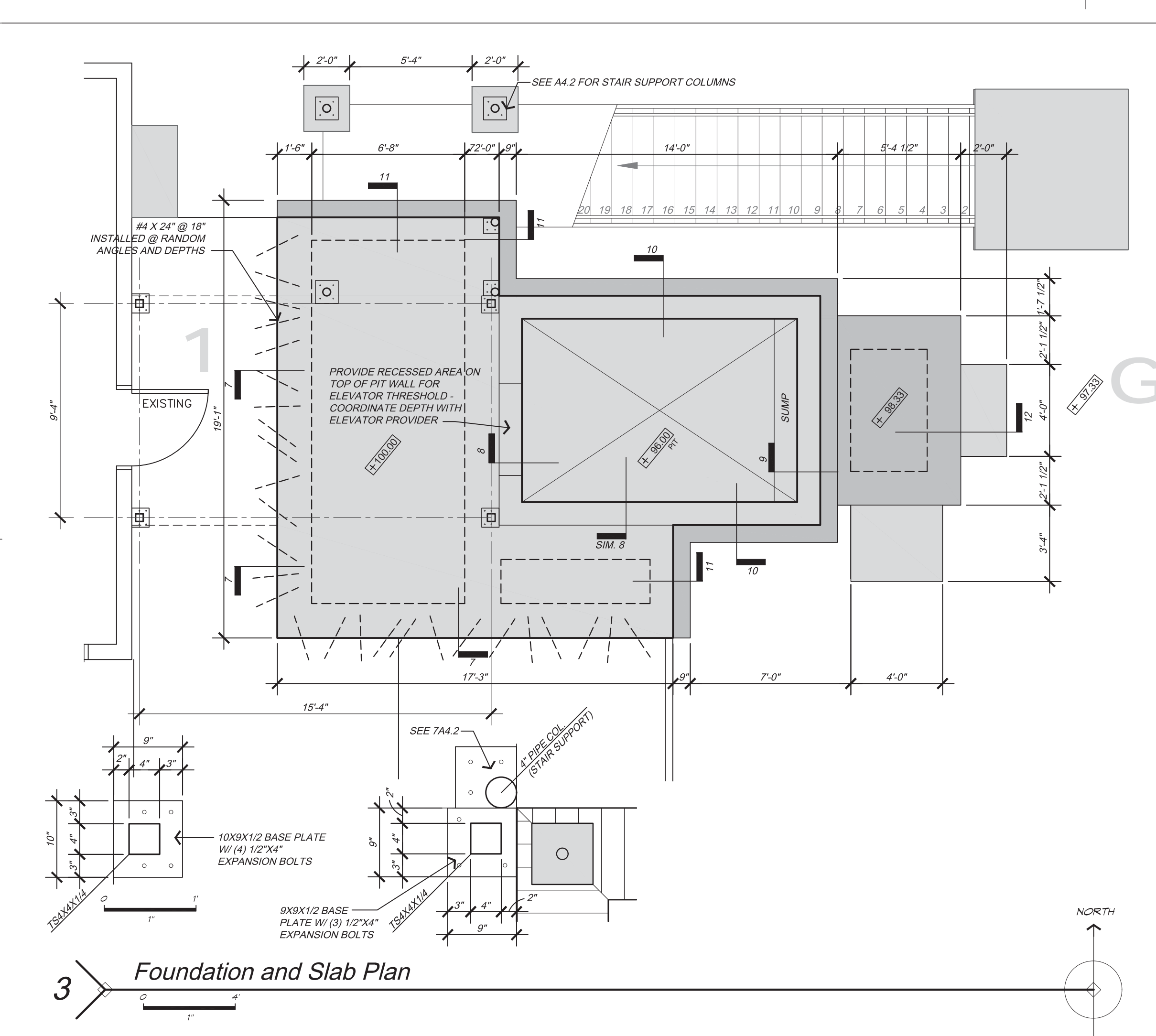
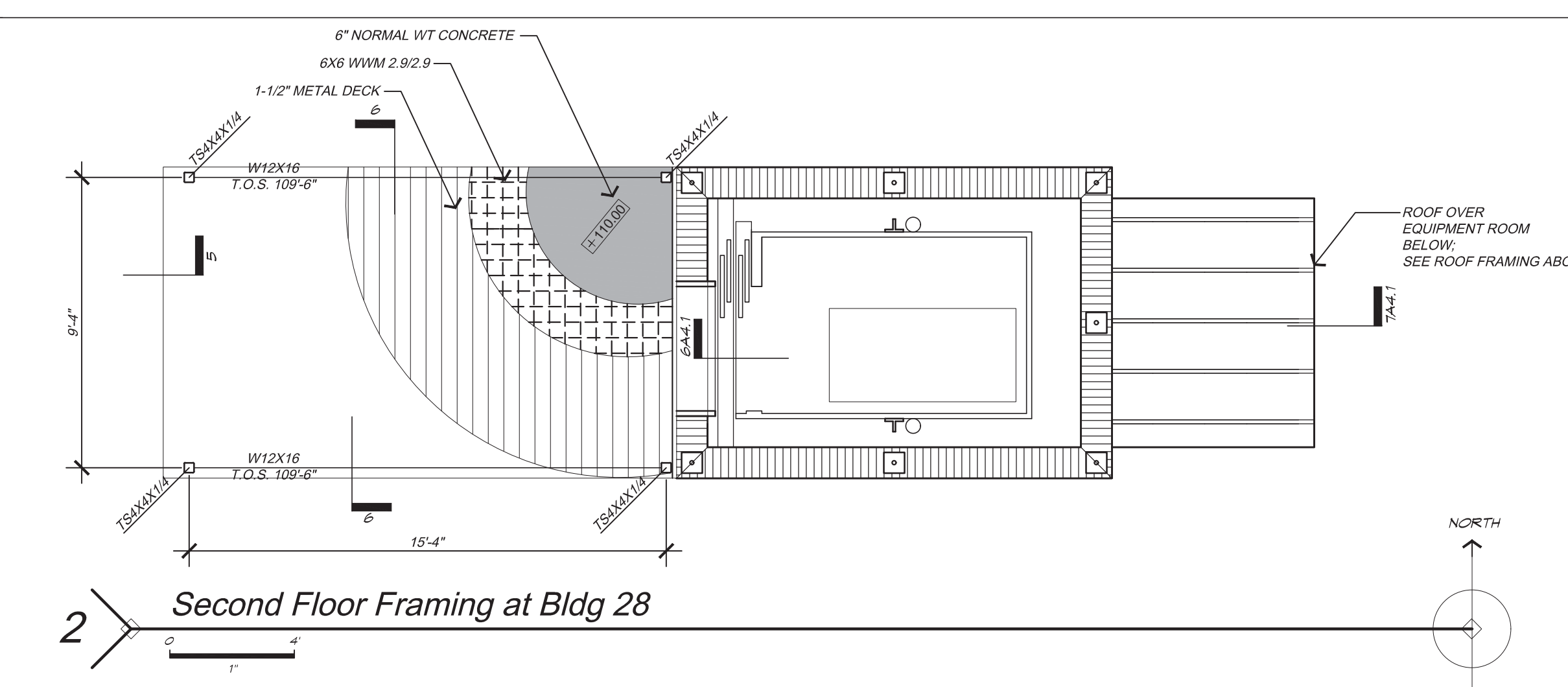
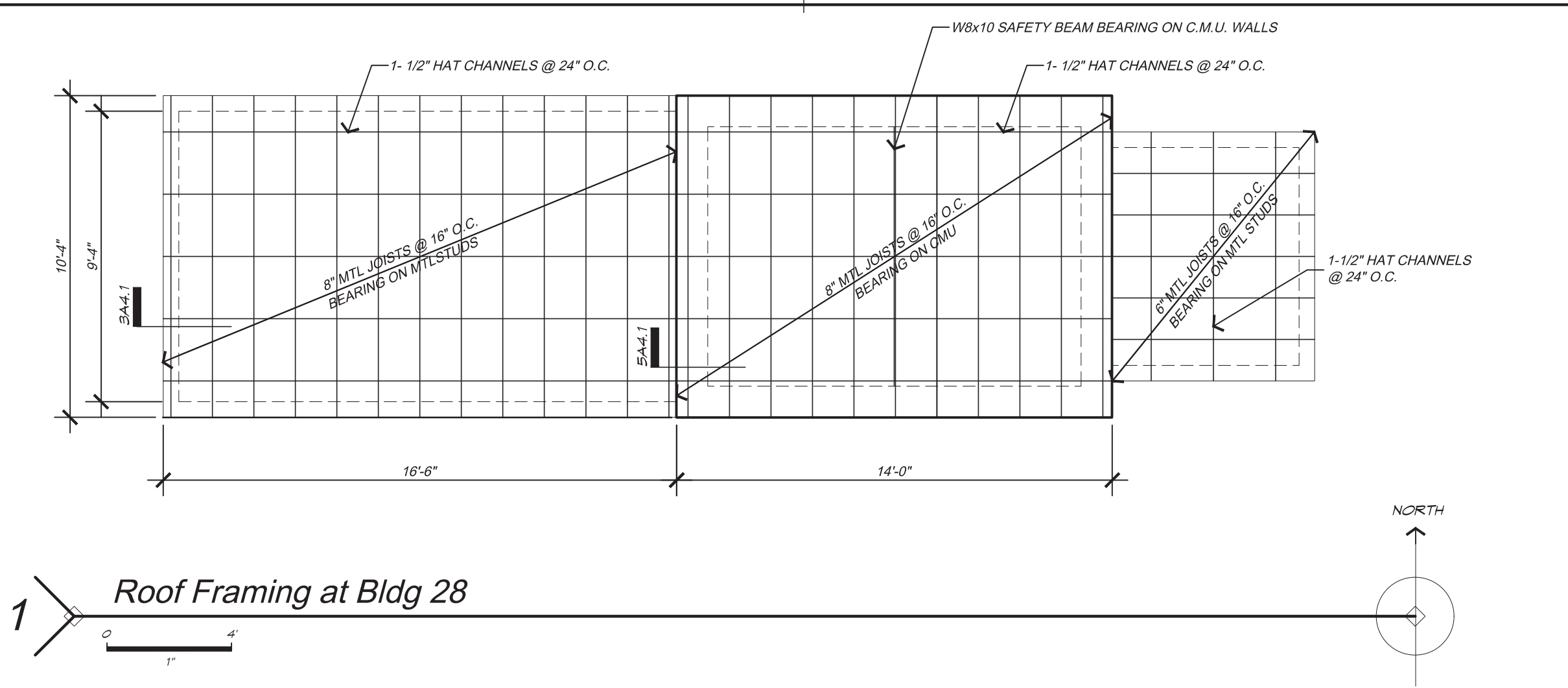


6 Second Floor at Elevator Shaft



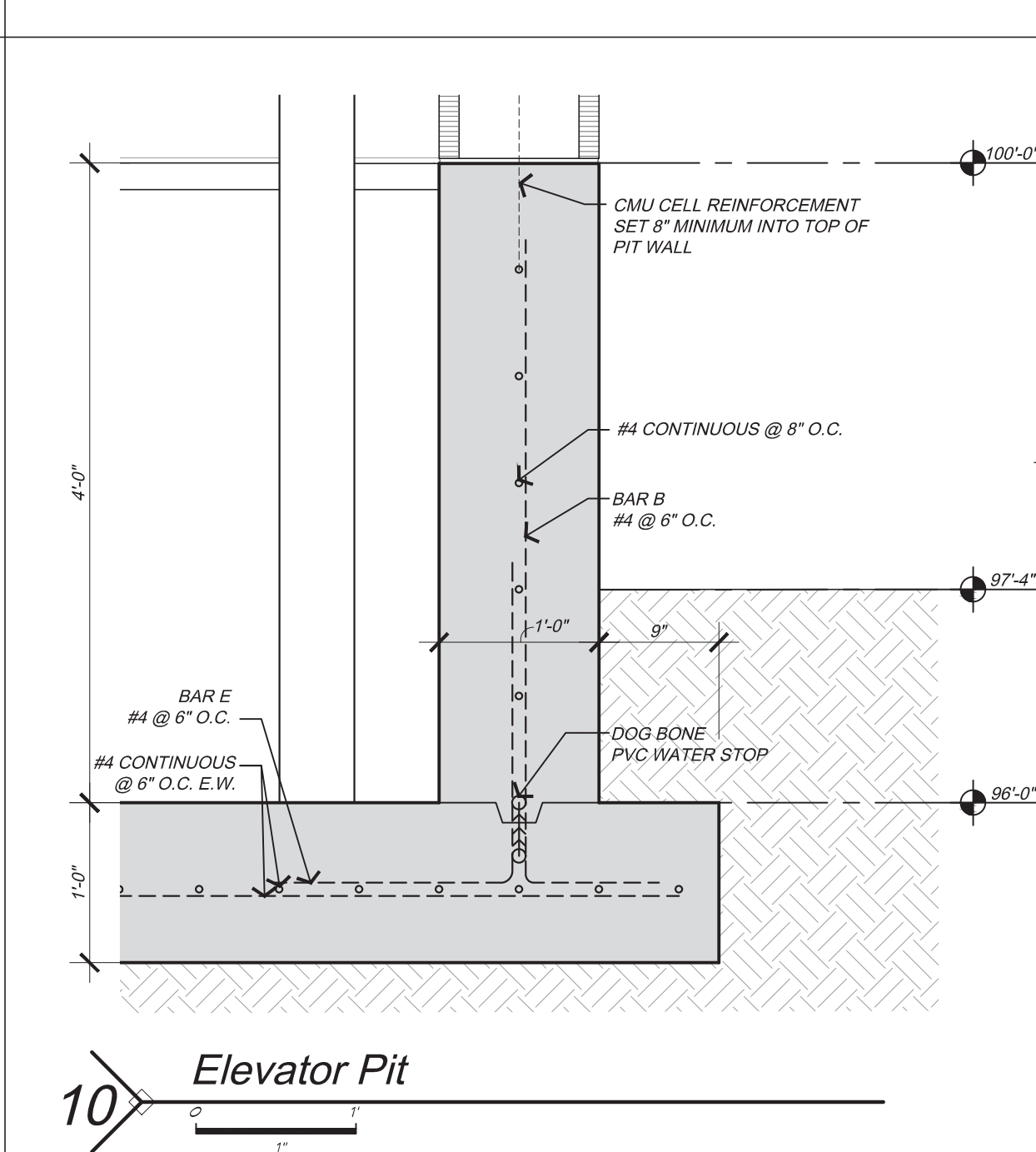
7 Elevator Shaft @ Mech. Rm. Roof





- ### General Concrete Notes:
- ALL CONCRETE TO BE 3500 PSI @ 28 DAYS
 - 15% FLY ASH IS ALLOWED AS SUBSTITUTE FOR CEMENT
 - USE OF A MID-RANGE WATER REDUCING AGENT IS ENCOURAGED TO REDUCE WATER CONTENT
 - MAXIMUM AGGREGATE SIZE 1-1/2"
 - MAXIMUM SLUMP DUE TO WATER 3" TO 5"
 - SLAB TO BE PLACED ON NO. 57 OR NO. 10 LIMESTONE DRAINAGE LAYER
 - ALL SPLICES SHALL BE CONSIDERED CLASS "B" TENSION LAP SPLICES
 - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL FLOOR PLAN PRIOR TO CONSTRUCTION
 - SUBMIT MIX DESIGN FOR APPROVAL A MINIMUM OF 48 HRS. PRIOR TO PLACING CONCRETE
 - ALL FOOTINGS TO PENETRATE A MINIMUM OF 12" INTO NATURAL GROUND.
 - CONCRETE SAMPLING AND TESTING SHALL BE PERFORMED BY A CERTIFIED TECHNICIAN AND LAB. CONCRETE TESTS SHALL BE PERFORMED AS PER LATEST ACI 318 SECTION 5.6. TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER. EACH GROUP OF FOUR TEST CYLINDERS SHALL HAVE A 7 DAY BREAK AND 2 - 28 DAY BREAKS WITH ONE HOLD.
 - REBAR = GRADE 60
 - ALL REBAR BEND AND HOOK RADI SHALL BE ACI/CRSI STANDARD BENDS AND HOOKS

- ### Metal Deck Notes:
- 1-1/2" METAL DECK TO BE VULCRAFT 2VL1-38, 22 GAGE COMPOSITE DECK OR EQUAL AS APPROVED BY ARCHITECT AND STRUCTURAL CONSULTANT.
 - CONTRACTOR TO PROVIDE TEMPORARY SHORING AT MID-SPAN OF DECK.



C.M.U. U-Block Schedule

Mk	Elevation at Top of Block	Nominal Block Height	Reinforcement	
A	104'-0"	8"	(2) CONTINUOUS #4'S HORIZONTAL	
B1	109'-4"	8"	(2) CONTINUOUS #4'S HORIZONTAL	
B2	109'-4"	+/- 14"	(4) CONTINUOUS #4'S TOP & BOTTOM	CUT TOP OF BLOCK TO ACCOMMODATE ELEVATOR DOOR FRAME (V.O.J.)
C	114'-8"	8"	(2) CONTINUOUS #4'S HORIZONTAL	
D1	119'-4"	8"	(2) CONTINUOUS #4'S HORIZONTAL	
D2	119'-4"	+/- 14"	(4) CONTINUOUS #4'S TOP & BOTTOM	CUT TOP OF BLOCK TO ACCOMMODATE ELEVATOR DOOR FRAME (V.O.J.)
E	124'-8"	8"	(2) CONTINUOUS #4'S HORIZONTAL	

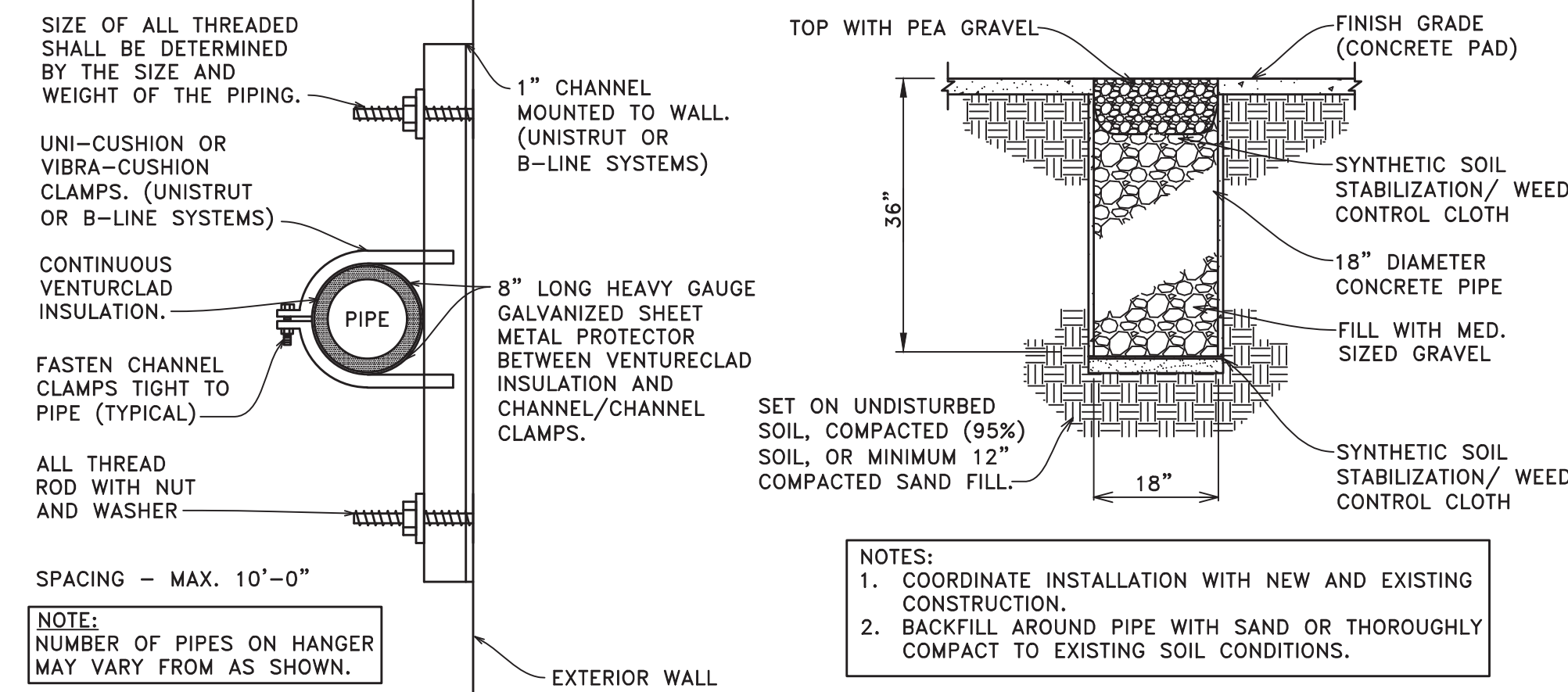
Elevation 100'-0" = Finished First Floor @ 0' - 0"

HEAT PUMP SCHEDULE (SPLIT SYSTEM)

INDOOR SECTION													OUTDOOR SECTION (HEAT PUMP)							REMARKS		
FAN						COOLING			HEATING				MARK	MIN. BTUH CLG. OUTPUT	MIN. BTUH HTG. OUTPUT	TONNAGE	UNIT MCA	UNIT MOC	ELECTRIC SERVICE			
MARK	SERVICE	CFM	CFM F.A.	EXT. S.P.	FAN H.P.	ELECTRICAL SERVICE	NOMINAL BTUH	ENT. AIR TEMP. DB (°F)	WB (°F)	TONS	AMB. TEMP (°F)	MIN BTUH OUTPUT @ 47 (°F)									ENT AIR (°F)	LEAV. AIR (°F)
AHU-1	VESTIBULE	137-381	0	---	.5	208-1-60	6,000	75	62.5	0.5	95	8,700	70	95	HP-1	6,000	8,700	0.50	10	15	208-1-60	TRANE/MITSUBISHI MSZ & MUZ SERIES WALL MOUNTED HEAT PUMP SYSTEM
AHU-2	EQUIPMENT ROOM	137-381	0	---	.5	208-1-60	6,000	75	62.5	0.5	95	8,700	70	95	HP-2	6,000	8,700	0.50	10	15	208-1-60	TRANE/MITSUBISHI MSZ & MUZ SERIES WALL MOUNTED HEAT PUMP SYSTEM

AIR HANDLER NOTES:
 1. FURNISH ALL AIR HANDLERS WITH MITSUBISHI PAR-40 WIRED PROGRAMMABLE THERMOSTATS WITH COMPATIBLE THERMOSTAT INTERFACE FROM MANUFACTURER. THERMOSTATS TO HAVE THE CAPABILITY FOR TEMPERATURE RANGE RESTRICTION, PASSWORD PROTECTION FOR ADMINISTRATION, AND OPERATION LOCKING FEATURE TO PREVENT TAMPERING WITH CONTROL SET POINTS.
 2. ALL INDOOR UNITS SHALL BE FURNISHED WITH GPS/PLASMA AIR NEEDLEPOINT BIPOLAR IONIZATION, INTERLOCK WITH UNIT INCOMING POWER. LOCATE UPSTREAM OF COIL.
 3. AHU-1 & AHU-2 INDOOR UNIT POWERED THROUGH RESPECTIVE OUTDOOR UNIT. FURNISH WITH CONDENSATE PUMP (POWER THROUGH UNIT). EXTEND TO FRENCH DRAIN ON EXTERIOR.

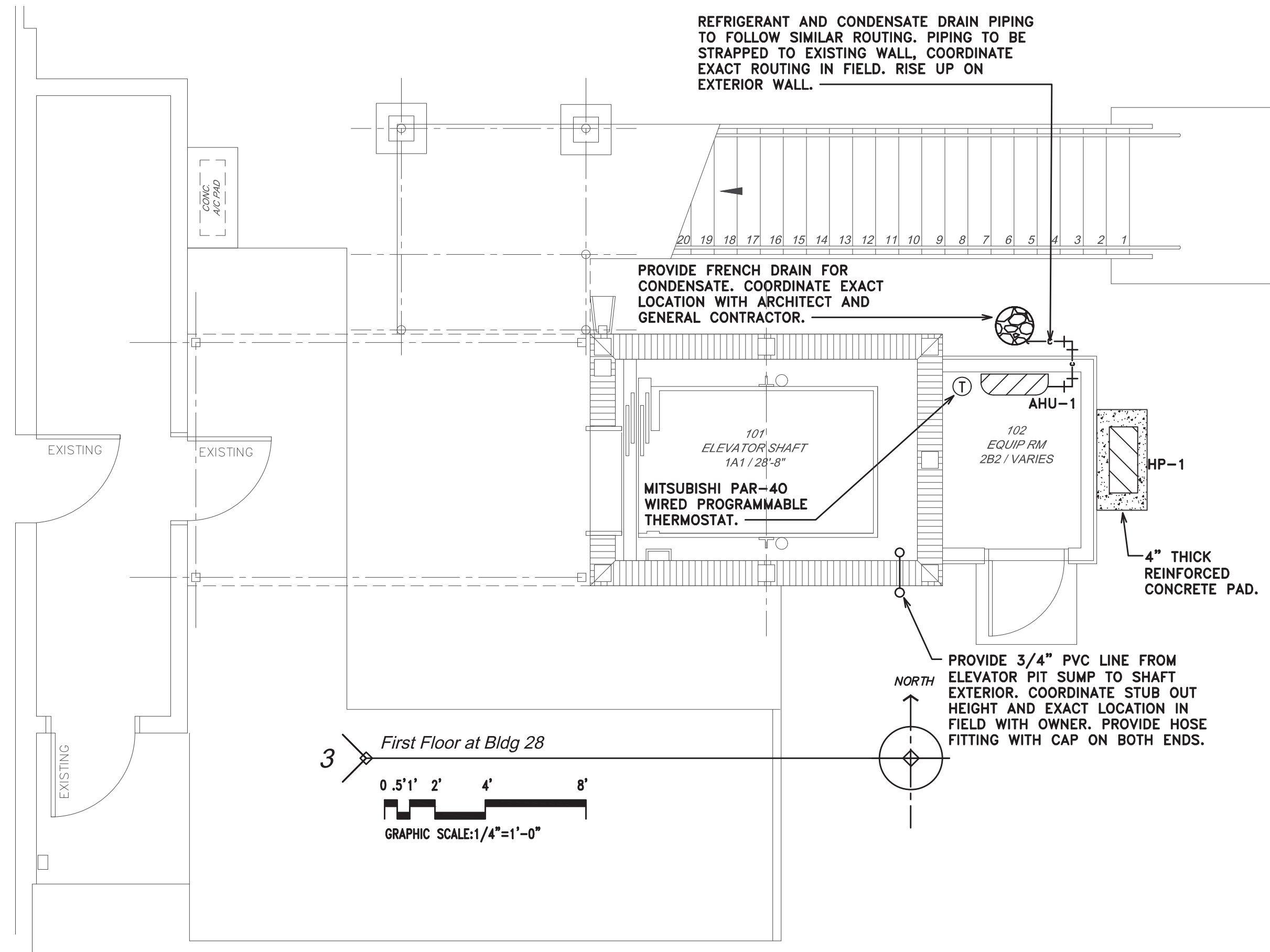
HEAT PUMP NOTES:
 1. COORDINATE ELECTRICAL SERVICE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
 2. THE MANUFACTURER SHALL SIZE THE REFRIGERANT LINES FOR THE LENGTH AND CONDITIONS OF THE PROJECT.



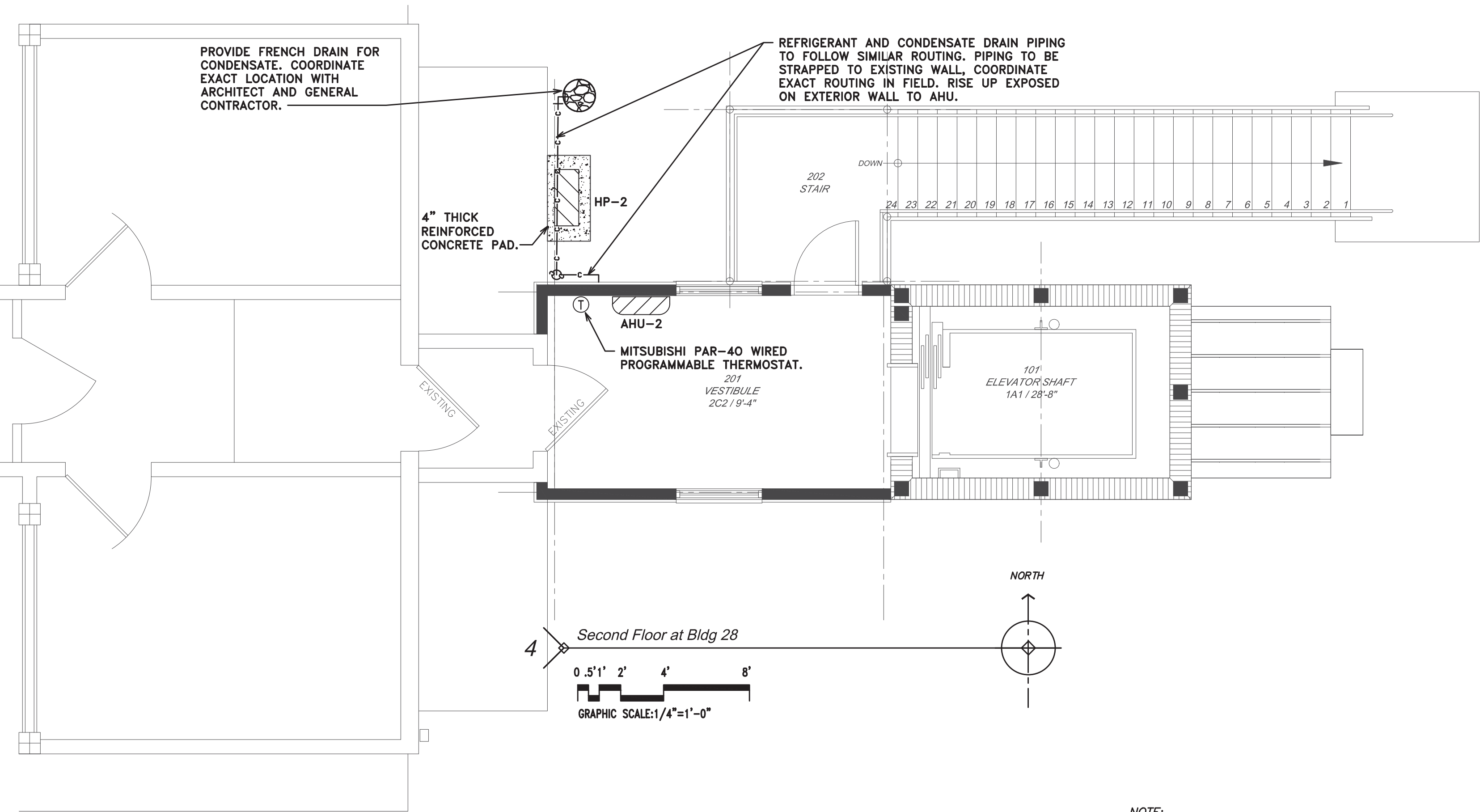
2 EXTERIOR PIPING ON WALL DETAIL

3 FRENCH DRAIN DETAIL

1 MECHANICAL SCHEDULE



3 First Floor at Bldg 28



4 Second Floor at Bldg 28

MECHANICAL GENERAL NOTES:

THE FOLLOWING IS A BRIEF DESCRIPTION OF WORK SPECIFIC TO CERTAIN ASPECTS OF THIS PROJECT. THIS IS NOT INTENDED TO BE A COMPREHENSIVE SUMMARY OF WORK. PROSPECTIVE BIDDERS/CONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS AND MAKE ALLOWANCES FOR ALL WORK INCLUDED HEREIN AND ANY ADDITIONAL WORK REQUIRED TO COMPLETE THIS PROJECT. MEANS AND METHODS FOR THE PROPER INSTALLATION OF THIS WORK IS STRICTLY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS.

- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROUTING OF ALL PIPING WITH THE STRUCTURE AND OTHER TRADES AS CONDITIONS ALLOW. RE-ROUTE PIPING AS REQUIRED TO AVOID CONFLICT.
- CONTRACTOR SHALL COORDINATE SPACE REQUIREMENTS AND SERVICE CLEARANCES FOR ALL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS. NO EQUIPMENT SHALL BE BID ON (WHETHER OR NOT RECEIVING PRIOR APPROVAL) IF IT DOES NOT FIT IN SPACE PROVIDED.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DEVICES (THERMOSTATS, SENSORS, ETC.) WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION. MOUNT EACH THERMOSTAT AT A HEIGHT OF 48" AFF TO CENTER LINE OF CONTROLLER. PROVIDE LOCK BOXES WHERE REQUIRED BY OWNER. THERMOSTATS SHALL BE PROGRAMMABLE AND SHALL HAVE TEMPERATURE SETPOINT ADJUSTMENT WITH TEMPERATURE RANGE RESTRICTION CAPABILITIES. TEMPERATURE CONTROLS CONTRACTOR SHALL SUBMIT THERMOSTAT/SENSOR LOCATION PLAN PRIOR TO ROUGH-IN. CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 24V AND 120V CONTROL POWER INCLUDING CONTROL PANELS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF NEAREST AVAILABLE CIRCUIT FROM WHICH TO TAP CONTROL POWER.

- ALL EXPOSED PIPING, HANGERS, SUPPORTS, ETC RUN THROUGH FINISHED SPACES OR EXPOSED AT EXTERIOR SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
- FURNISH AND INSTALL ACCESS PANELS WHERE EQUIPMENT IS CONCEALED OR INACCESSIBLE. ACCESS PANELS SHALL BE PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
- PROVIDE ONE SET OF CLEAN FILTERS AT COMPLETION OF PROJECT PRIOR TO TURNING OVER TO OWNER. CONSTRUCTION FILTERS SHALL BE USED DURING DURATION OF PROJECT TO PROTECT DUCTWORK AND EQUIPMENT. DO NOT OPERATE EQUIPMENT UNLESS BUILDING HAS BEEN THOROUGHLY CLEANED.

NOTE: THE CONTRACTOR MAY SCALE THESE DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, PLAN SCALE, AND SITE CONDITIONS BEFORE BIDDING AND DURING CONSTRUCTION.

RITTER CONSULTING ENGINEERS
 2014 W. PINHOOK RD SUITE 200
 LAFAYETTE, LOUISIANA 70508
 (337) 984-8498 FAX (337) 984-8576

RCE PROJECT NO. 230010
 USE AND INTERPRETATION OF THIS DRAWING
 1. GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, ARTICLE 4 AND DOCUMENT ADDS ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THIS DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS BUT ALSO THE OWNER/CONTRACTOR AGREEMENT, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ANYONE SHALL BE AS WRITTEN AS REQUIRED BY ALL WORK NOT COMPLETELY DELINEATED HEREIN SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.
 2. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER REPRESENTS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS, AND THAT THE CONSTRUCTION DOCUMENTS IN FULL OF THE PROJECT IS COMPLETE. THE CONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 3. THE CONTRACT SUM AND CONTRACT TIME MAY BE CHANGED ONLY BY CHANGE ORDER TO THE CONTRACT SIGNED BY THE OWNER AND THE ARCHITECT. ANY WORK PERFORMED IN VIOLATION OF THE CONTRACT DOCUMENTS AND NOT COVERED BY THE ARCHITECT'S WRITTEN ORDER FOR A MINOR CHANGE IN THE WORK OR A CHANGE ORDER, WILL NOT BE ACCEPTED.
 4. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS AND CORRECTIONS FURNISHED BY THE ARCHITECT ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ARCHITECT. ANY SUBMISSION OR DISTRIBUTION WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT MAY BE CONSIDERED AS DEROGATION OF THE ARCHITECT'S COPYRIGHT OR OTHER RESERVED RIGHTS.
 REUSE OF THIS DRAWING IN ANY MANNER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN APPROVAL OF RITTER CONSULTING ENGINEERS, LLC



SYMBOL SCHEDULE (APPLIES TO ALL SHEETS)

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" AFF IVORY IN COLOR, UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" AFF DUPLEX RECEPTACLE RED IN COLOR, ON EMERGENCY GENERATOR.
	SPECIAL PURPOSE RECEPTACLE, AS NOTED
	QUADRUPLEX OUTLET NEMA 5-20R MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
	COMPUTER OUTLET 18" AFF UNLESS OTHERWISE NOTED STUB AND TURN INTO ACCESSIBLE CEILING WITH 1" C, TYPICAL, UNLESS INDICATED OTHERWISE. REFER TO COMM RISER FOR ADDITIONAL REQUIREMENTS.
	PANELBOARD, FLUSH MOUNTED UNLESS INDICATED OTHERWISE.
	J-BOX
	ELECTRIC MOTOR.
	DISCONNECT SWITCH.
	LIGHTING FIXTURE, AS NOTED.
	LIGHTING STRIP FIXTURE
	WALL MOUNTED LIGHTING FIXTURE
	RECESSED DOWNLIGHT
	WALL MOUNTED LIGHTING FIXTURE.
	EXIT LIGHT
	EXIT LIGHT, WALL MOUNTED
	EMERGENCY LIGHT
	TOGGLE SWITCH, MTD, 46" AFF TO CENTER
	THREE-WAY SWITCH, MTD, 46" AFF TO CENTER
	FOUR-WAY SWITCH, MTD, 46" AFF TO CENTER.
	DIMMER SWITCH.
	KEYED SWITCH
	MOTOR RATED TOGGLE SWITCH WITH THERMAL PROTECTION.
	SWITCH WITH PILOT LIGHT
	OCCUPANCY SENSOR SWITCH.
	CEILING MTD, OCCUPANCY SENSOR AND ASSOCIATED POWER PACK.
	INDIVIDUAL CIRCUIT RUN DIRECTLY TO PANEL FROM THIS POINT. (DO NOT COMBINE HOMERUNS).
	CONDUIT CONCEALED IN WALL OR CEILING.
	CONDUIT RUN BELOW FLOOR OR SLAB.
	COUNTERTOP, MTD, 4" CL ABOVE COUNTER BACKSPASH, MOUNTED HORIZONTALLY.
	WATERPROOF
	GROUND FAULT CIRCUIT INTERRUPTER WEATHER RESISTANT TYPE DEVICE WHERE LOCATED IN DAMP OR WET LOCATIONS.
	FUSED DISCONNECT SWITCH
	VERIFY ON JOB.
	COPPER
	ABOVE FINISHED FLOOR.
	NON-FUSED SWITCH.
	MOUNTED
	ISOLATED GROUND DEVICE.
	TYPICAL
	RIGID GALVANIZED STEEL

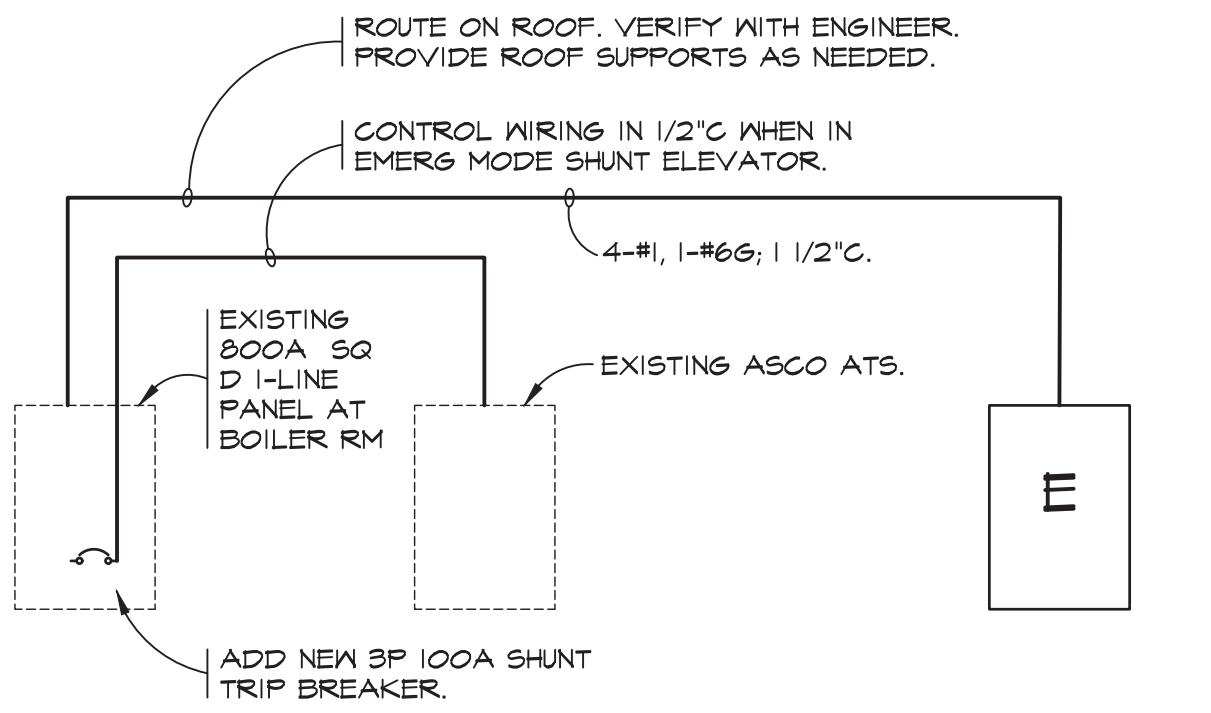
NOT ALL SYMBOLS APPLY TO EVERY PROJECT. ALL DIMENSIONS TO MIDDLE OF DEVICE, UNLESS INDICATED OTHERWISE ON FLOOR PLAN.

GENERAL NOTES: (APPLIES TO ALL SHEETS)

- ALL CONDUCTORS SHALL BE COPPER.
- ALL WIRING SHALL BE IN CONDUIT, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- NO MORE THAN THREE PHASE (HOT) CONDUCTORS SHALL BE RUN IN A SINGLE RACEWAY. WHERE MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE IN A SINGLE RACEWAY (PHASE PLUS NEUTRALS), THESE CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH NEC TABLE 310.15 (B) (2) (a).
- MAXIMUM LENGTH OF FIXTURE WHIPS SHALL BE 6'-0".
- MC CABLE IS NOT AN APPROVED WIRING METHOD.
- PVC CONDUIT SHALL NOT BE USED ABOVE GRADE. TRANSITION FROM PVC TO RIGID 6" BELOW SLAB. PENETRATE SLAB WITH RIGID CONDUIT A MINIMUM OF 3".
- NO CONDUIT SHALL BE RUN IN SLABS.
- CONTRACTOR SHALL HANG ALL FIXTURES FROM STRUCTURE WITH MINIMUM OF TWO HANGERS.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO EXAMINE EXISTING CONDITIONS. SAME SHALL BE CONSIDERED IN BID. CONTRACTOR SHALL INFORM THIS OFFICE PRIOR TO LAST ADDENDUM IN THE EVENT THAT EXISTING CONDITIONS HINDER WORK CALLED FOR ON DRAWINGS.
- CONTRACTOR SHALL CUT AND PATCH OR BORE UNDER ALL EXISTING SIDEWALKS, DRIVEWAYS, ETC. AS NEEDED FOR NEW CONDUIT INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ELECTRICAL BREAKER SIZES WITH ACTUAL MECHANICAL EQUIPMENT BEING INSTALLED. DO NOT REDUCE CONDUIT AND CONDUCTOR SIZES FOR MECHANICAL EQUIPMENT ACTUALLY BEING INSTALLED.
- ALL EMPTY CONDUITS SHALL INCLUDE PULLSTRING FOR FUTURE.
- ALL COMMUNICATIONS, FIRE ALARM AND INTERCOM CABLING BEING INSTALLED OUTDOORS SHALL BE RATED FOR WET LOCATIONS. ALL FIRE ALARM STROBES SHALL BE SYNCHRONIZED.
- CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO BID AND OBTAIN ANY CHARGES FOR SERVICES OUTLINED. ALL COST SHALL BE INCLUDED IN BID.
- PLANS AND SPECIFICATIONS SHALL BE CONSIDERED MINIMUM STANDARDS.
- ALL CIRCUITS SHALL CONTAIN AN INSULATED GROUND CONDUCTOR IN ADDITION TO PHASE AND NEUTRAL CONDUCTORS INDICATED ON PLANS AND IN PANEL SCHEDULES.
- ALL CONDUIT ON EXTERIOR OF BUILDING SHALL BE RIGID GALVANIZED STEEL.
- NON-METALLIC FLEXIBLE CONDUIT IS NOT AN APPROVED WIRING METHOD.
- ALL SWITCHES AND RECEPTACLES SHALL BE RATED 20 AMPS MINIMUM.
- MINIMUM CONDUIT SIZE SHALL BE 1/2".
- MINIMUM WIRE SIZE SHALL BE #12.
- ALL ELECTRICAL WORK SHALL BE DONE BY QUALIFIED LICENSED ELECTRICIANS.
- DO NOT COMBINE HOMERUNS, MULTIPLE HOTS IN A SINGLE JUNCTION BOX, OR DEVICE SHALL BE ON A SIMULTANEOUS DISCONNECTING HANDLE TIE OR COMMON TRIP BREAKER.
- CIRCUIT DIRECTORY: EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OF USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. SPARE POSITIONS SHALL BE DESCRIBED ACCORDINGLY AS PER NEC SECTION 408.4.
- CONTRACTOR SHALL REVIEW THE ENTIRE SPECIFICATIONS/ PROJECT FOR ADDITIONAL REQUIREMENTS DETAILED IN OTHER DIVISIONS SECTIONS (INCLUDING BUT NOT LIMITED TO FOOD SERVICE, DOOR HARDWARE, SEWER TREATMENT AND DIVISION 5).
- SECURE RACEWAY TO REINFORCING RODS TO PREVENT SAGGING/ SHIFTING USING STAINLESS STEEL STRAPS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO EXCAVATION AND SHALL BE LIABLE FOR ANY DAMAGES CAUSED. ALL REPAIRS SHALL BE COMPLETED BY THE APPROPRIATE LICENSED CONTRACTOR.
- CONTRACTOR TO PROVIDE PERMANENT MARKING OF PHASE ROTATION AT MAIN SERVICE INTERIOR PANEL.
- CONTRACTOR TO USE MYERS HUB CONNECTORS AT ALL EXTERIOR PANELBOARDS, DISCONNECTS, CABINETS, JUNCTION BOXES, TROUGHS, ETC. PENETRATIONS (INCLUDING SIDE PENETRATIONS).

ELECTRICAL RISER NOTES:

- CONTRACTOR SHALL CONTACT UTILITY COMPANY PRIOR TO BID AND OBTAIN ANY CHARGES FOR SERVICES SHOWN. SAME SHALL BE IN BID.
- CONTRACTOR TO USE MYERS HUB CONNECTORS AT ALL EXTERIOR PANELBOARDS (DISCONNECTS, ETC) PENETRATIONS (INCLUDING SIDE PENETRATIONS).
- ALL CONDUCTORS SHALL BE COPPER.
- ALL WORK SHALL BE IN COMPLIANCE WITH NFPA NATIONAL ELECTRICAL CODE 2020 VERSION AND INSTALLATION DONE BY QUALIFIED LICENSED ELECTRICIAN.
- CONTRACTOR TO REFER TO DIV 26 SPECIFICATIONS FOR REQUIREMENTS ON TESTING, IR SCANS AND LOAD BALANCING REQUIREMENTS.
- CONTRACTOR TO PROVIDE PERMANENT MARKING OF PHASE ROTATION AT MAIN SERVICE INTERIOR PANEL.



ELECTRICAL RISER DIAGRAM
NOT TO SCALE

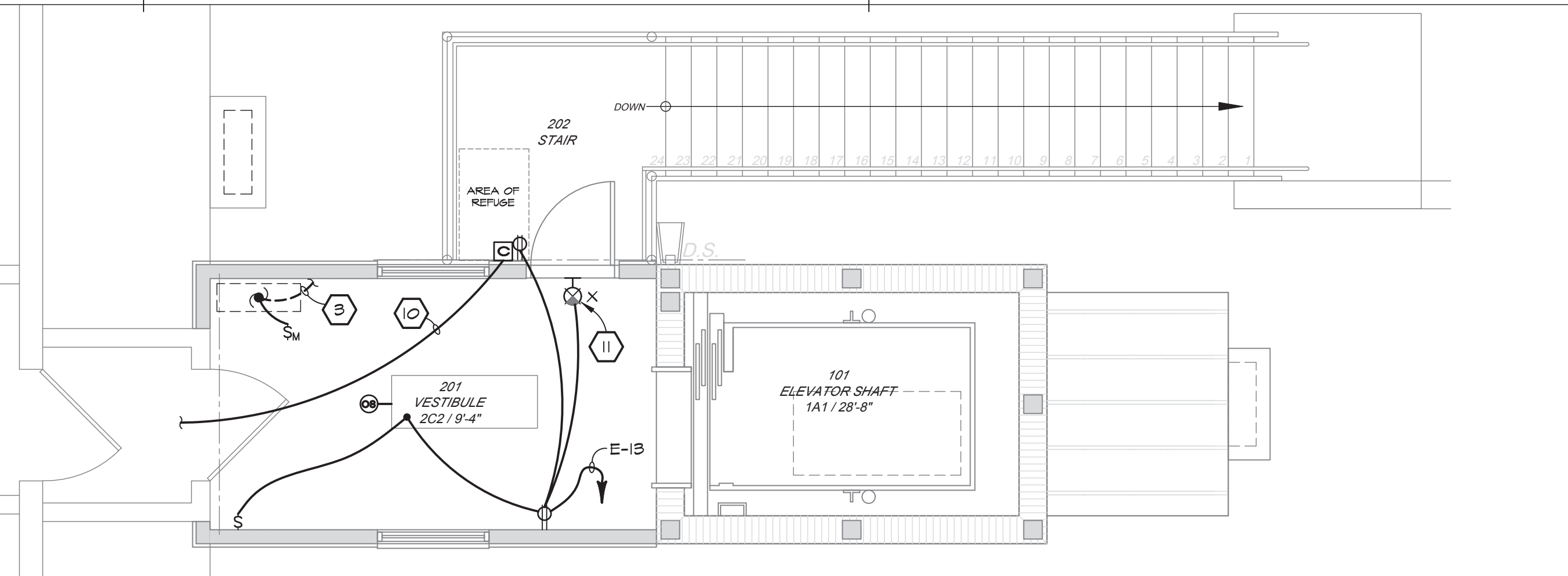
KEYNOTES:

- 5-#12, 1/2" C BETWEEN HP-1 AND AHU-1 FOR POWER AND CONTROLS.
- 2P 30A 240V NEMA-3R FDS. FUSED AT NAMEPLATE RATING OF UNIT.
- 5-#12, 1/2" C BETWEEN HP-2 AND AHU-2 FOR POWER AND CONTROLS.
- 2P 30A 240V NEMA-3R FDS. FUSED AT NAMEPLATE RATING OF UNIT.
- VERIFY LOCATION OF SWITCH AND RECEPTACLE WITH ELEVATOR SUPPLIER.
- ONE (1) 4' LED STRIP LIGHT AT TOP OF SHAFT AND ONE (1) 1' LED STRIP LIGHT AT PIT WITH SWITCH LITHONIA ZLID 48L 5000L FSL 40K 80CRI OR EQUAL.
- 30A 1P/5N NEMA-1 208V FDS. FUSED AT 20 AMPS FOR ELEVATOR LIGHTING.
- 60 3P/5N NEMA-1 208V FDS. FUSED AT NAMEPLATE RATING OF UNIT. PROVIDE AUXILIARY SET OF CONTACTS TIED TO ON/OFF HANDLE. ONE (1) NORMALLY OPEN, ONE (1) NORMALLY CLOSED. CONNECT DISCONNECT TO BATTERY DURING MAINTENANCE.
- LITHONIA ZLID 48L 5000L FSL 40K 80CRI OR EQUAL.
- 1" C WITH PULLSTRINGS UNDERGROUND TO BUILDING 28 EXTENDED TO BUILDING.
- LITHONIA LE S I 6 MVOLT OR EQUAL.
- APPROX PATH FOR SUBFEEDER TO NEW PANEL "E".

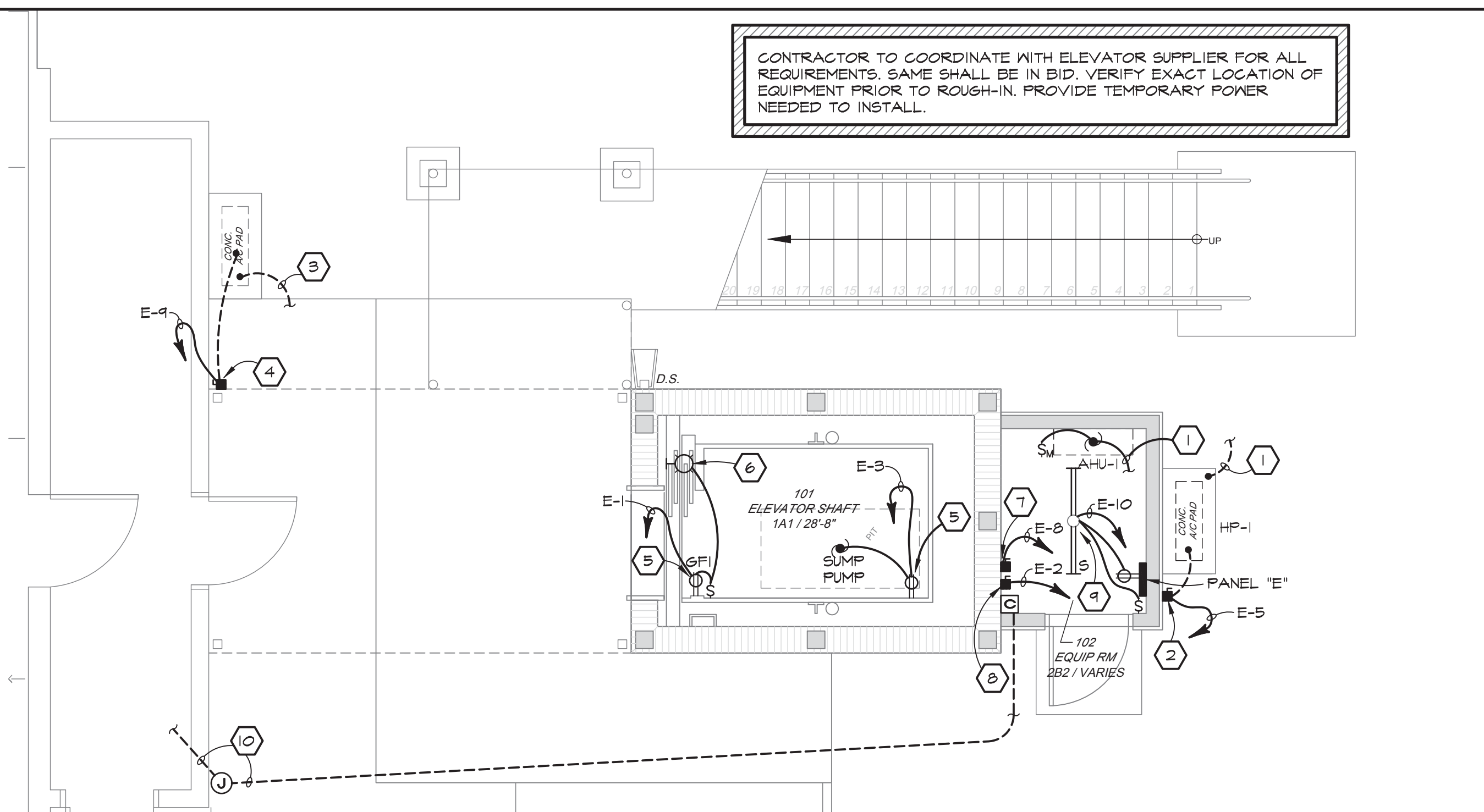
VOLTAGE: 120/208V, 3 PHASE, 4 WIRE
MOUNTING: SURFACE
NEMA: 1
ULSE: YES NO X
TYPE: PANELBOARD

MAIN: 100A MB
AIC: 22,000
LOAD:

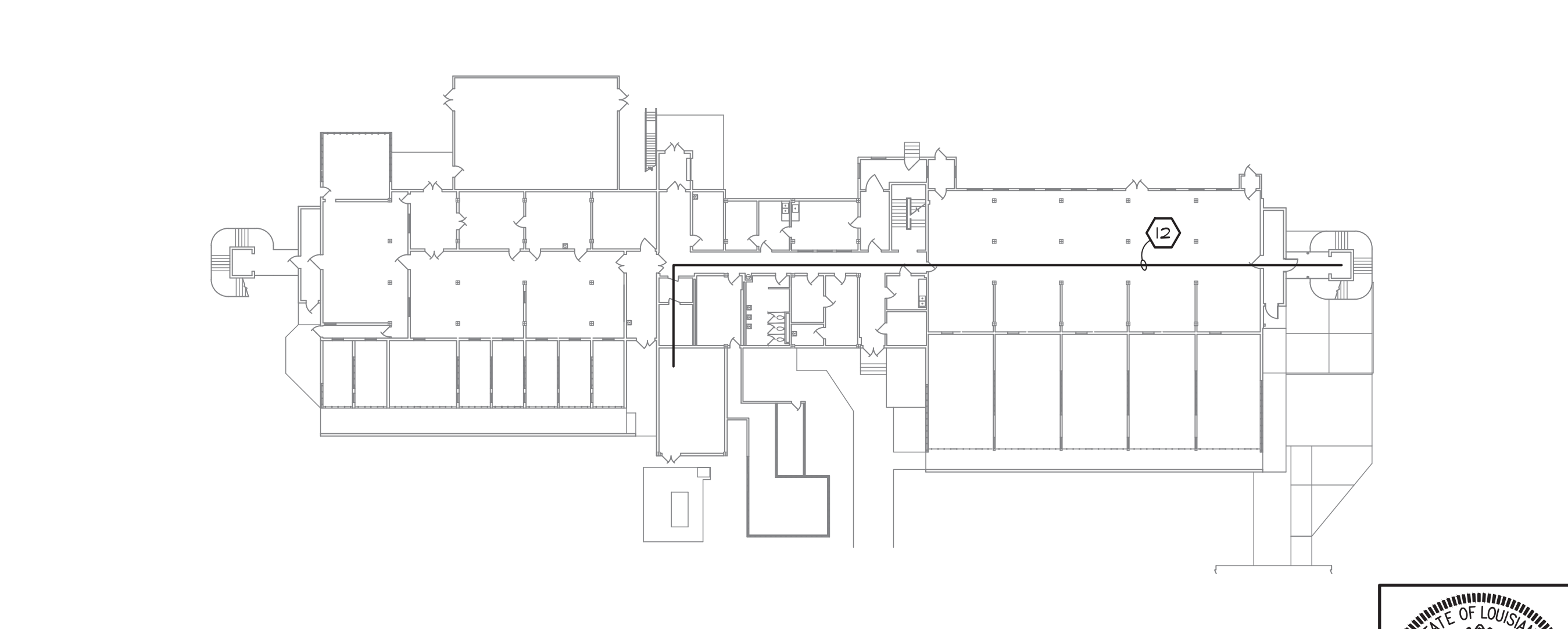
DESCRIPTION	WIRE	GND	MIN COND	BRKR AMPS	CCT NO.	CCT NO.	BRKR AMPS	WIRE	GND	MIN COND	DESCRIPTION
SHAFT LIGHT/POWER	2-#12	#12	1/2"	20A	1	2	60A	4-#6	#8	1"	ELEVATOR
SUMP PUMP	2-#12	#12	1/2"	20A	3	4					
HP-1	3-#12	#12	1/2"	15A	5	6					
HP-2	3-#12	#12	1/2"	15A	9	7					
VESTIBULE LIGHTING/POWER	2-#12	#12	1/2"	20A	13	8	20A	2-#12	#12	1/2"	ELEVATOR LIGHT
SPARE	--	--	--	20A	15	10	20A	2-#12	#12	1/2"	ELEVATOR KIT LIGHTING/OUTLET
SPARE	--	--	--	20A	17	12	20A	--	--	--	SPARE
SPARE	--	--	--	20A	19	14	20A	--	--	--	SPARE
SPARE	--	--	--	20A	20	16	20A	--	--	--	SPARE
SPARE	--	--	--	20A	19	18	20A	--	--	--	SPARE
SPARE	--	--	--	20A	19	20	20A	--	--	--	SPARE



2nd FLOOR ELEVATOR ELECTRICAL PLAN
REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
SCALE: 1/4"=1'-0"



1st FLOOR ELEVATOR ELECTRICAL PLAN
REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
SCALE: 1/4"=1'-0"



OVERALL ELECTRICAL PLAN
REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
SCALE: 1"=30'-0"