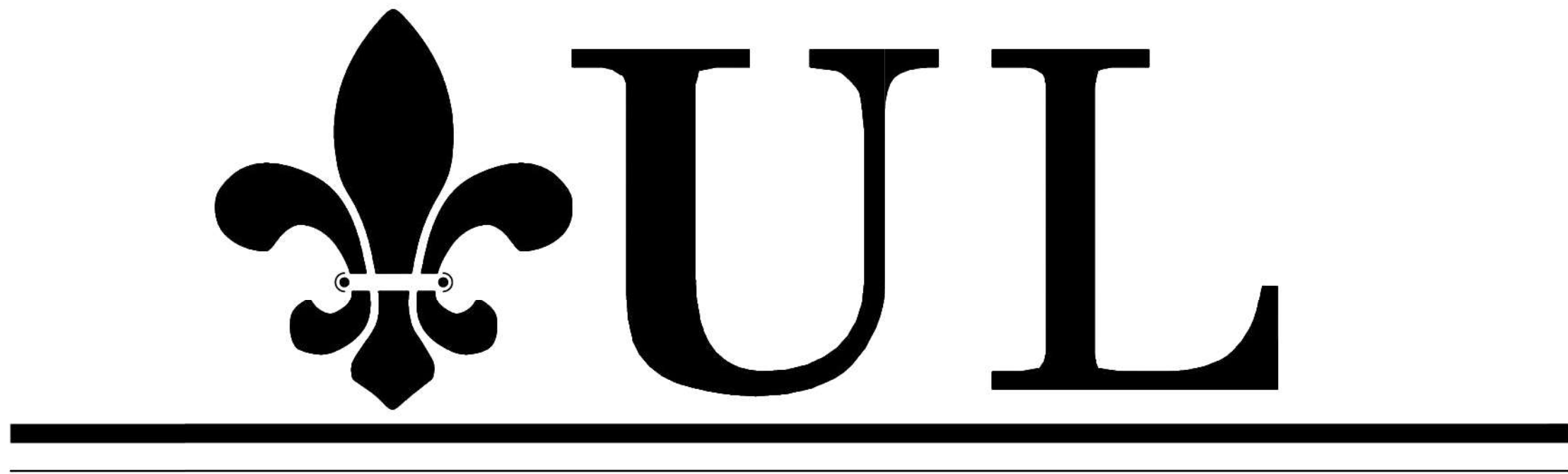
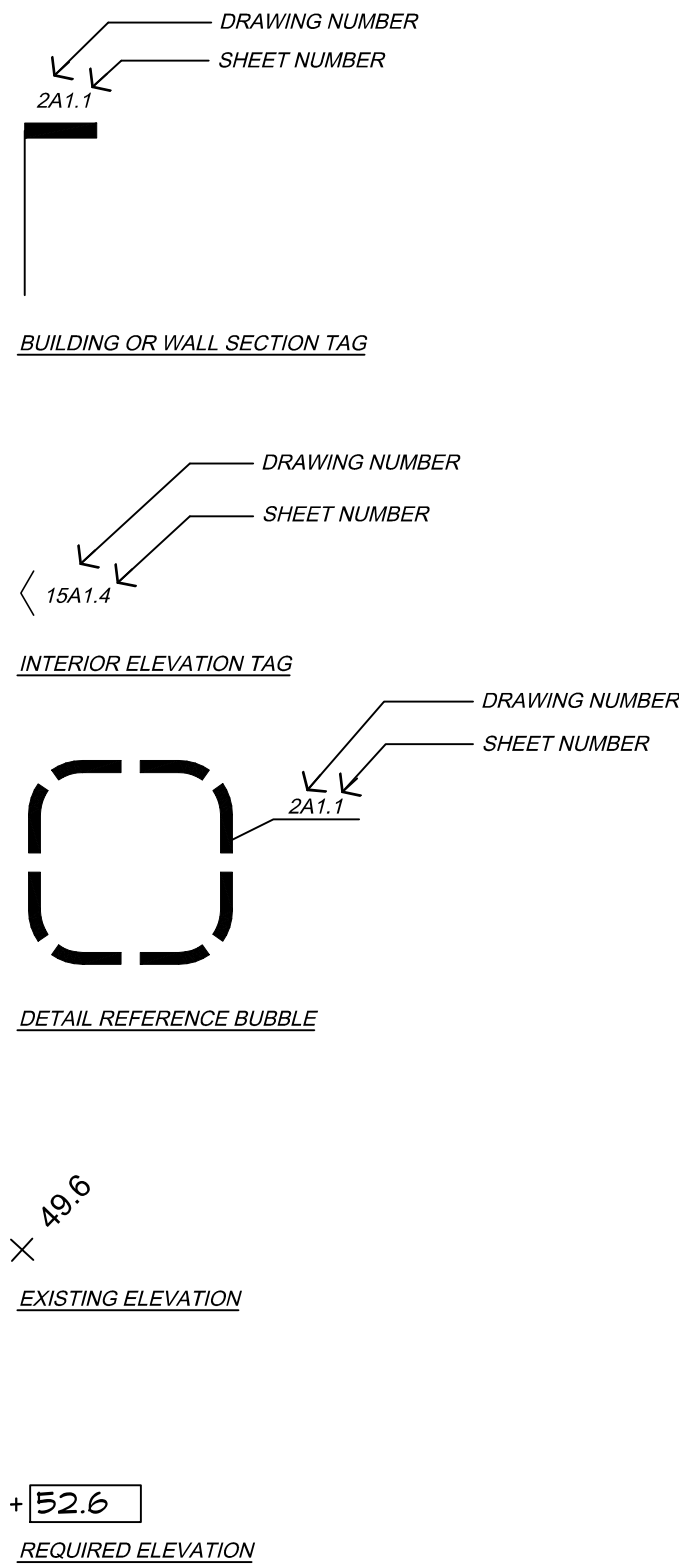
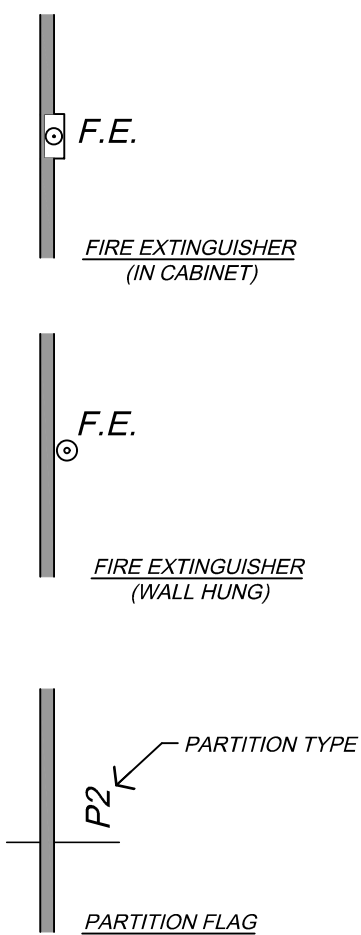
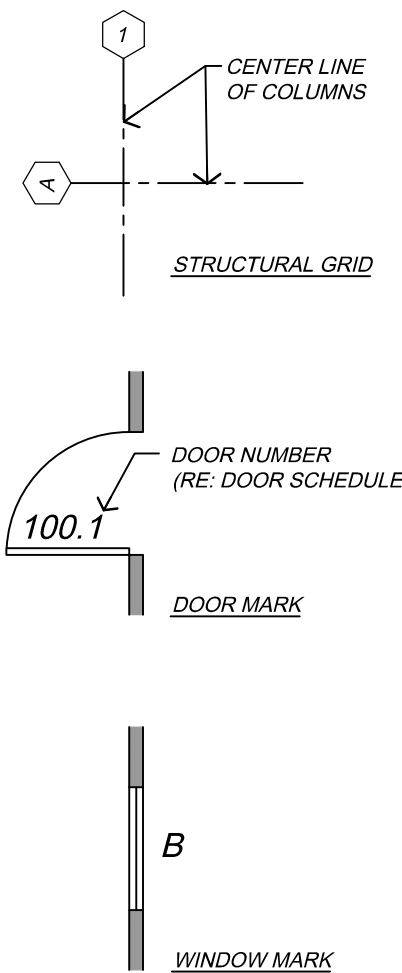




University of Louisiana at Lafayette

New Iberia Research Center Building 04 (56D) Finish-Out

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.

Design Team

OWNER
RAGIN' CAJUN FACILITIES, INC.
100 E. VERMILION ST, SUITE 400 LAFAYETTE, LOUISIANA 70501
337-482-0225
CONTACT PERSON: DAVID FONTENOT

OWNER'S REPRESENTATIVE
U.L. - NEW IBERIA RESEARCH CENTER
4401 W. ADMIRAL DOYLE DRIVE NEW IBERIA, LOUISIANA 70560
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RONKARTZ-OESTRIECHER
18198 DULLES DRIVE LAFAYETTE, LOUISIANA 70506
(337) 991-8290
CONTACT PERSON: CLIFTON OESTRIECHER III E-MAIL: CLIFF@ROENGINEERING.NET

STRUCTURAL CONSULTANT
C.P.S. ENGINEERING
2304 E. PINHOOK RD. LAFAYETTE, LOUISIANA 70501
(337) 235-2431
CONTACT PERSON: DAVID NAOMI, P.E. E-MAIL: CPSENGINEERING@BELLSOUTH.NET

HVAC & PLUMBING CONSULTANT
ASSOCIATED DESIGN GROUP ENGINEERING
3809 W. CONGRESS STREET, SUITE 201 LAFAYETTE, LOUISIANA 70506
(337) 234-5710
CONTACT PERSON: CRAIG CAMPBELL, P.E. E-MAIL: CCAMPBELL@ADGINC.ORG

ELECTRICAL CONSULTANT
THOMASSEE ASSOCIATES
204 WINCHESTER DRIVE, #2b LAFAYETTE, LOUISIANA 70506
(337) 981-4665
CONTACT PERSON: ANGIE DORE E-MAIL: ANGIE@THOMASSEEANDASSOCIATES.COM

Project Data

APPLICABLE CODES:
LIFE SAFETY CODE FIRE AND SAFETY IN ANIMAL HOUSING FACILITIES
(NFPA 101 - 2021 EDITION) (NFPA 150 - 2022 EDITION)
INTERNATIONAL BUILDING CODE BUILDING CONSTRUCTION AND SAFETY CODE
(IBC - 2021 EDITION) (NFPA 5000 - 2021 EDITION)

BUILDING AREA CALCULATIONS:
BUILDING 4 - PRIMATE HOUSING BUILDING AREA.....11,303 SF

OCCUPANCY TYPE:
NFPA 150.....CATEGORY 3 - RESEARCH
INTERNATIONAL BUILDING CODE.....S - 1 - (MODERATE HAZARD)
PRIMATE HOUSING

OCCUPANT LOAD - (TO BE DETERMINED)

CONSTRUCTION TYPE:
NFPA 101 & 150.....TYPE II (000) - NON-SPRINKLERED
INTERNATIONAL BUILDING CODE.....TYPE II - B - NON-SPRINKLERED

PARKING:
PARKING:
FACILITY PARKING PROVIDED ELSEWHERE ON SITE

FIRE EXTINGUISHERS PROVIDED:
BUILDING 4 - (2) 10LB CAPACITY 4A-60BC

Index to Drawings

ARCHITECTURAL SHEETS		
SHEET	PAGE NUMBER	DRAWING CONTENT
1	A0.1	COVER SHEET, DESIGN TEAM, PROJECT DATA, INDEX, GRAPHIC SYMBOLS
2	A1.1	SITE PLAN, SITE PLAN DETAILS
3	A1.2	ENLARGED SITE PLAN
4	A2.1	ARCHITECTURAL FLOOR PLAN
5	A2.2	CEILING FRAMING PLAN
6	A2.4	ROOF PLAN
7	A2.5	PLAN ENLARGEMENTS AND PLAN DETAILS
8	A3.1	EXTERIOR ELEVATIONS
9	A3.2	BUILDING SECTIONS
10	A4.1	WALL SECTIONS
11	A4.2	WALL SECTIONS
12	A4.3	WALL SECTION DETAILS
13	A5.1	CAGE DETAILS

MECHANICAL & PLUMBING SHEETS		
SHEET	PAGE NUMBER	DRAWING CONTENT
1	P2.1	PLUMBING PLAN
2	P3.1	PLUMBING DETAILS & SCHEDULES
3	P4.1	PLUMBING RISER DIAGRAM
4	M2.1	HVAC FLOOR PLAN
5	M3.1	HVAC SCHEDULES & DETAILS

ELECTRICAL SHEETS		
SHEET	PAGE NUMBER	DRAWING CONTENT
1	E1.1	ELECTRICAL SITE PLAN
2	E2.1	LIGHTING PLAN
3	E3.1	POWER - SPECIAL SYSTEMS PLAN
4	E4.1	DETAILS - RISERS
5	E5.1	DETAILS - SCHEDULES

CIVIL SHEETS		
SHEET	PAGE NUMBER	DRAWING CONTENT
1	C1.0	EXISTING SITE
2	C1.1	PROPOSED SITE PLAN
3	C1.2	UTILITY PLAN
4	C1.3	GRADING AND DRAINAGE PLAN
5	C2.0	WATER DETAILS
6	C2.1	WATER DETAILS
7	C2.2	SEWER DETAILS

CIVIL DRAWINGS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WORK HAS BEEN COMPLETED ALREADY.

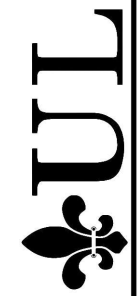
Minimum Design Loads

WIND SPEED: 140 MPH (RISK CATEGORY III)
SURFACE ROUGHNESS C
EXPOSURE C
PARTIALLY ENCLOSED BUILDING
DEAD LOAD: 2.0 PSF
LIVE LOAD: 20 PSF (REDUCTION ALLOWED PER CODE)
GROUND SNOW LOAD: 0.0 PSF
COLLATERAL LOAD: 3.0 PSF
SEISMIC IMPORTANCE: 1.0
SS = 0.11
S1 = 0.058
SDS = 0.09
SD1 = 0.08
SDC = B



Building 04 (56D) Finish-Out
New Iberia Research Center
4401 W. Admiral Doyle Drive
New Iberia, LA 70560

University of Louisiana
at Lafayette



d+b
ARCHITECTURE
D+B Architecture, LLC
404 Commercial Parkway, Broussard, LA 70518
Robert L. Langlais, AIA - Architect
P: 337.839.2505

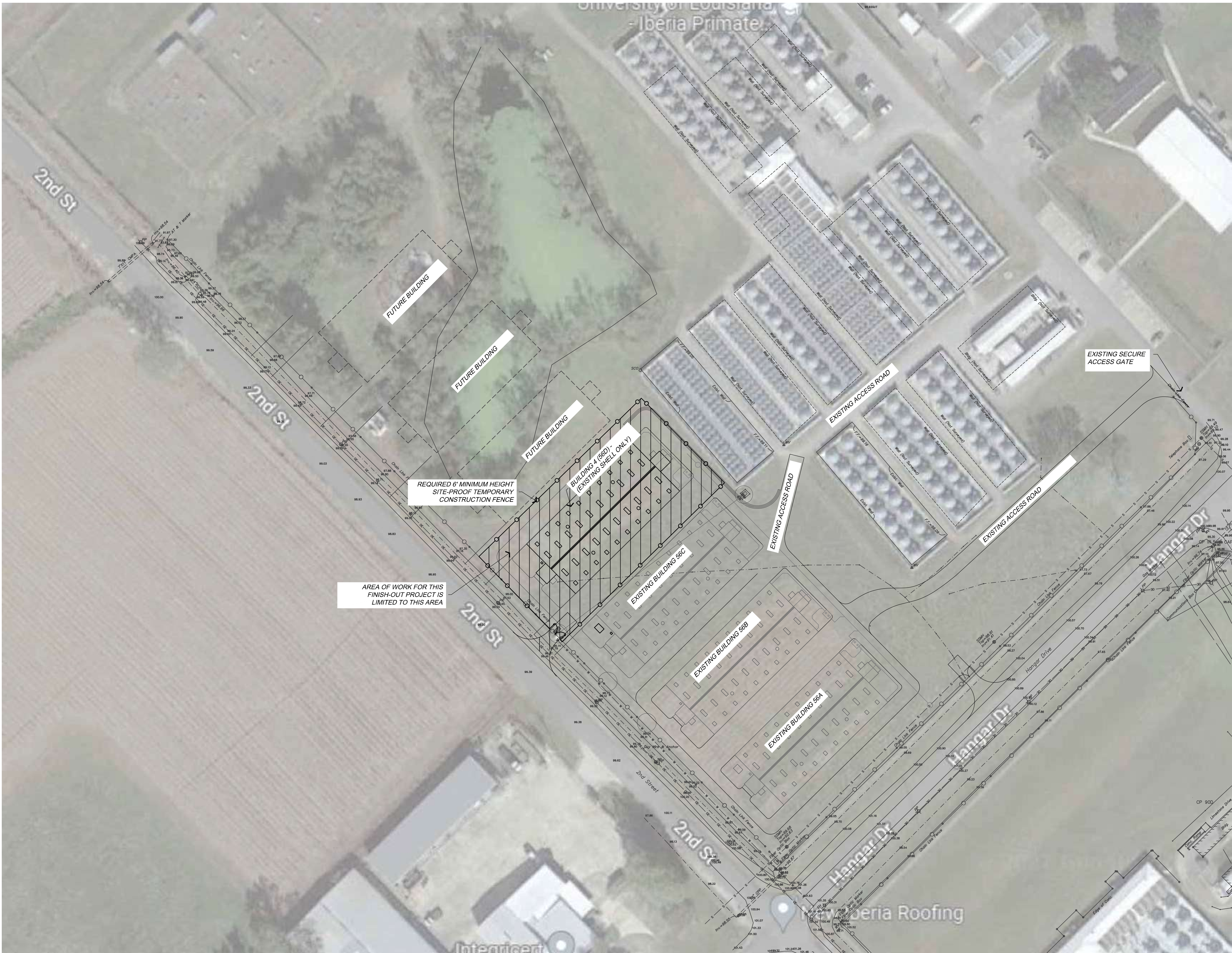
Project No.
BUILDING 56D
FINISH-OUT
Date
DEC 19, 2025

Revisions

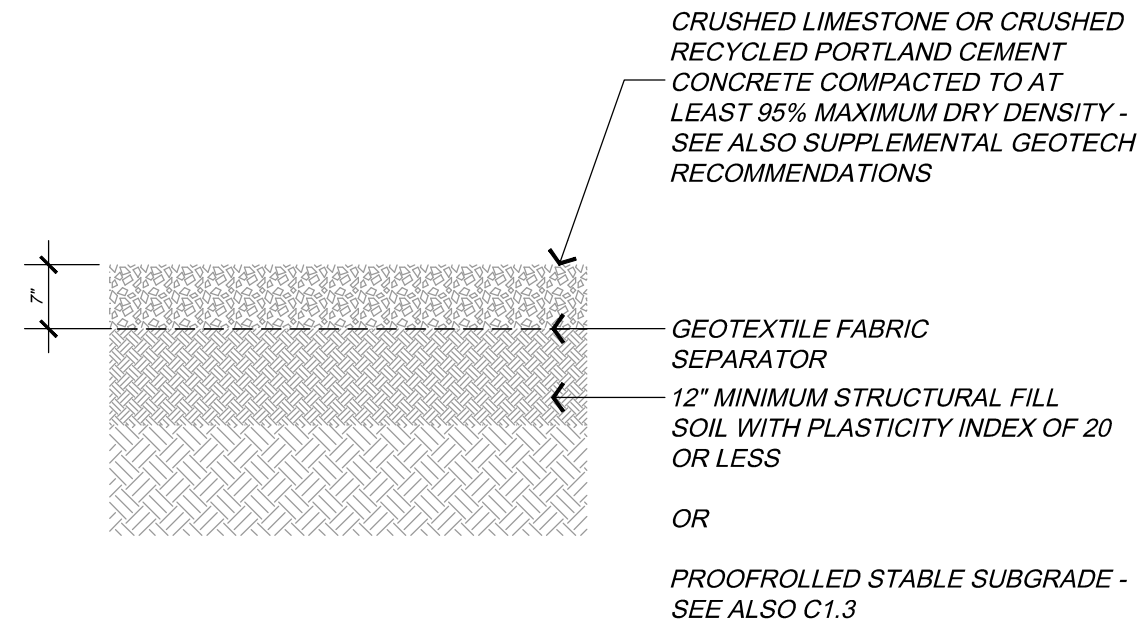
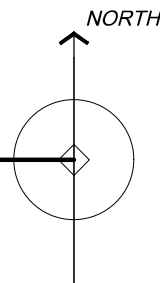
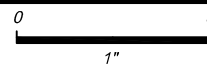
COVER SHEET

A0.1

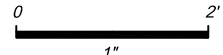
1 of 13

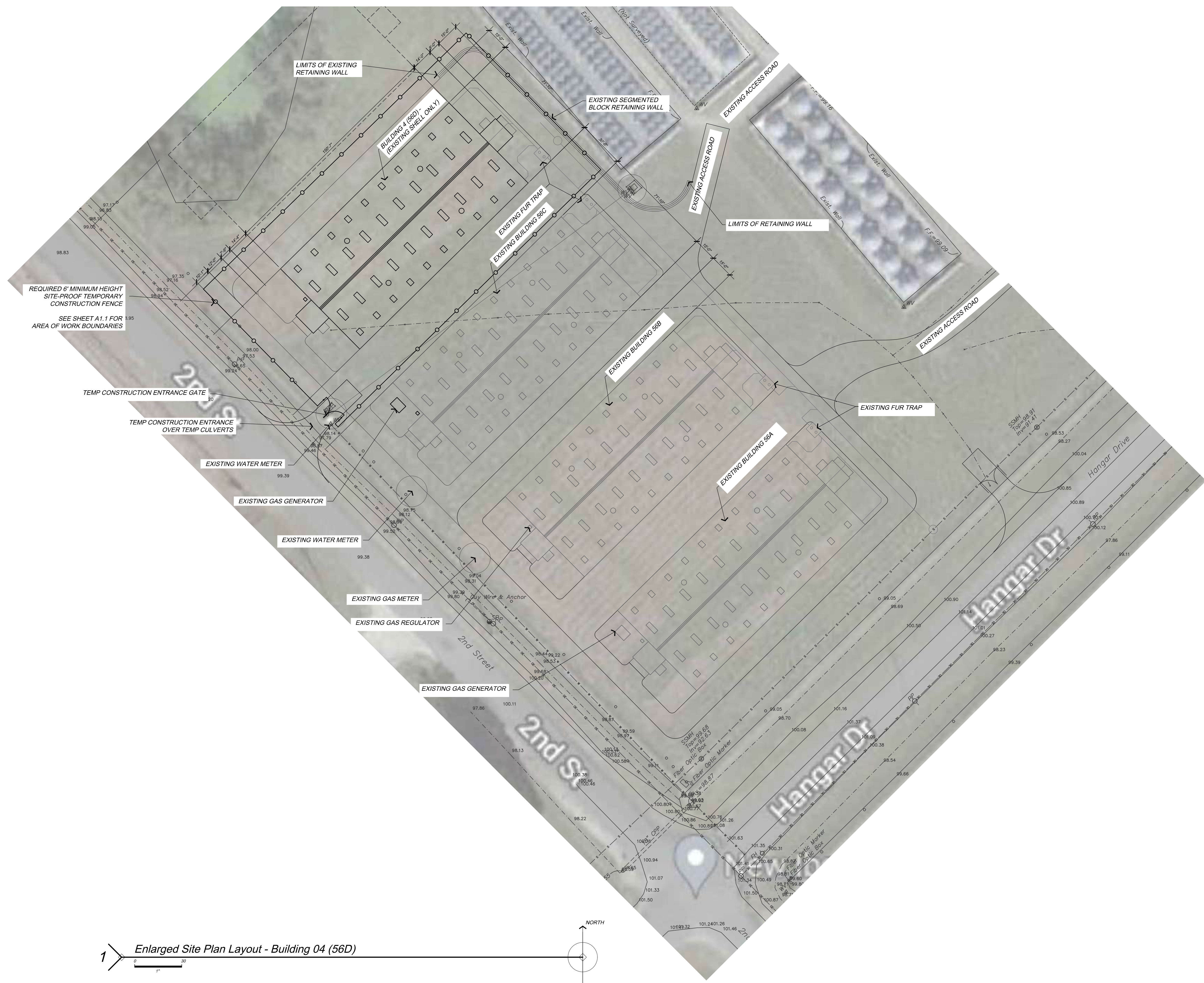


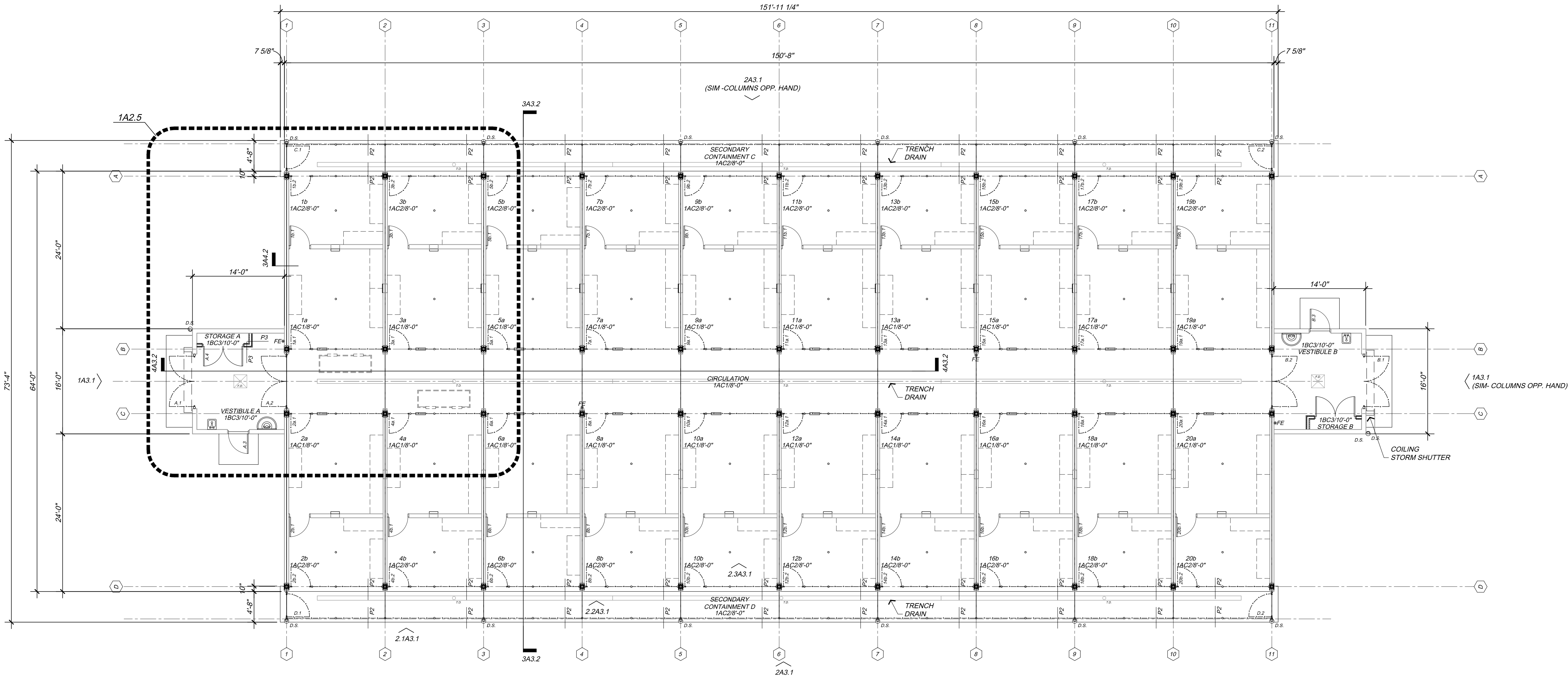
1 Site Plan Layout - Building 04 (56D) (w / 3 Future Buildings Shown)



2 Aggregate Paving Detail



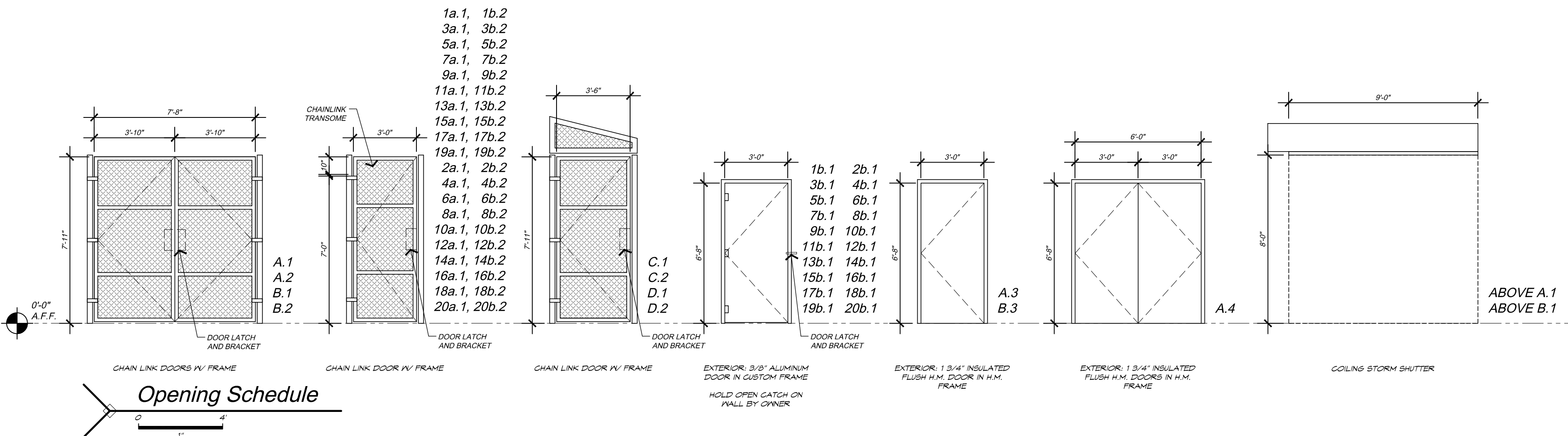




1 Architectural Floor Plan

MAIN BUILDING..... 9,643 SF
VESTIBULES..... 448 SF
SECONDARY CONTAINMENT..... 1,212 SF
TOTAL SQUARE FOOTAGE..... 11,303 SF

P2 & P3 Building 3 Only



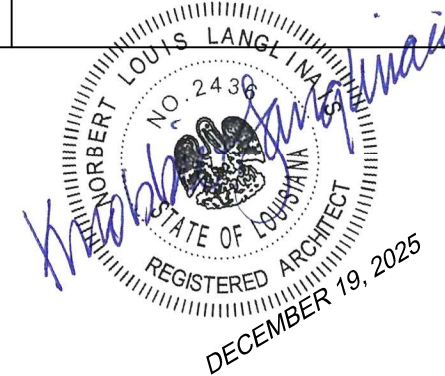
Finish Schedule

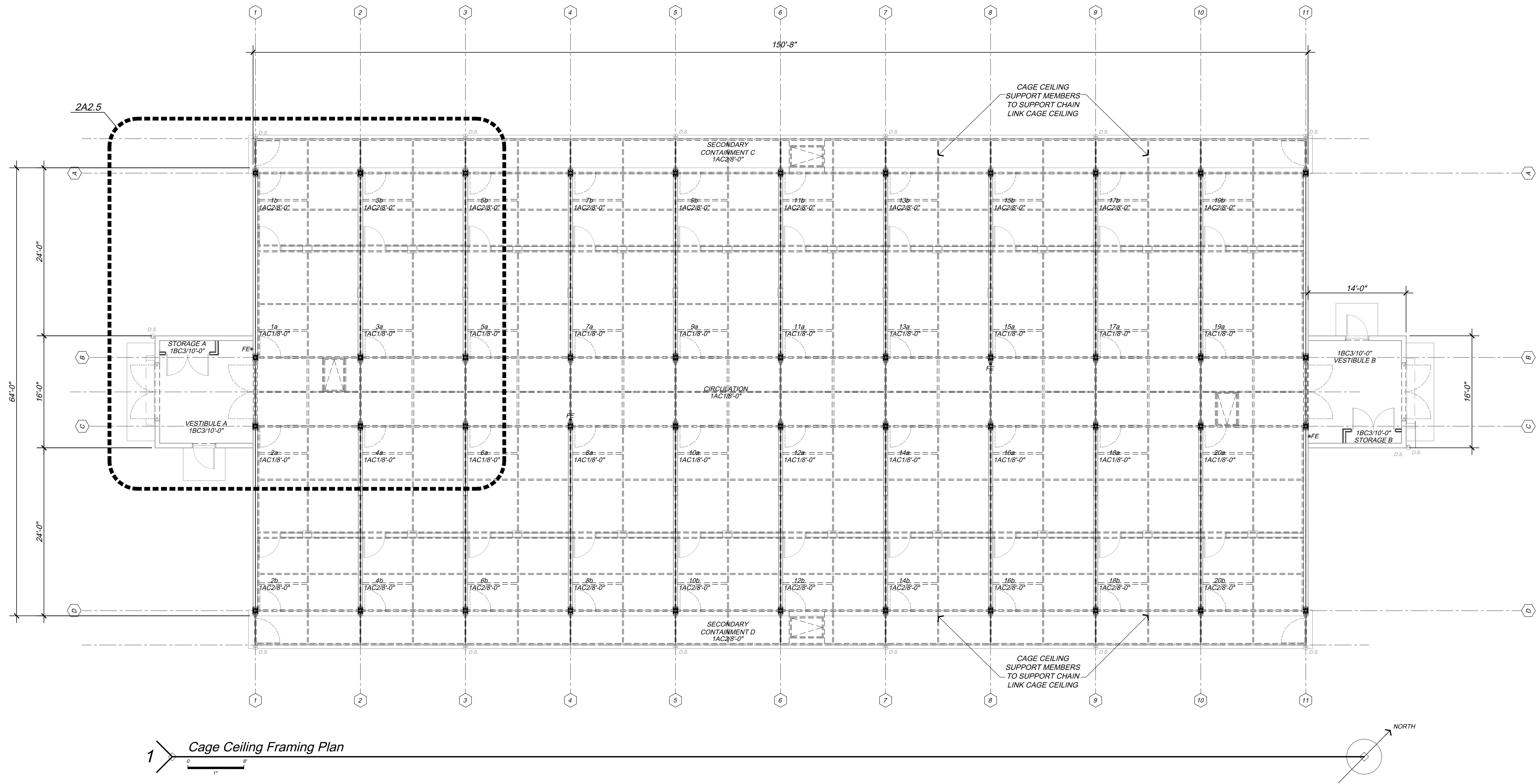
Floor/Base	Wall	Ceiling
1	Pigmented Sealed Concrete	1 Chain-link case ceiling @ 8'-4\"/>
	A Chain-link fence	2 Chain-link case ceiling @ 8'-4\"/>
	B Metal panels	3 Concrete
	C Pigmented sealed concrete	

Partition Schedule

MARK	PLAN VIEW DETAIL	DESCRIPTION
P1		EXISTING POURED IN PLACE CONCRETE WALL. HEIGHT VARIES (RENDERING AS PER STRUCTURAL)
P2		CHAIN-LINK FENCING
P3		METAL PANELS ATTACHED TO EACH SIDE OF 3 5/8\"/>

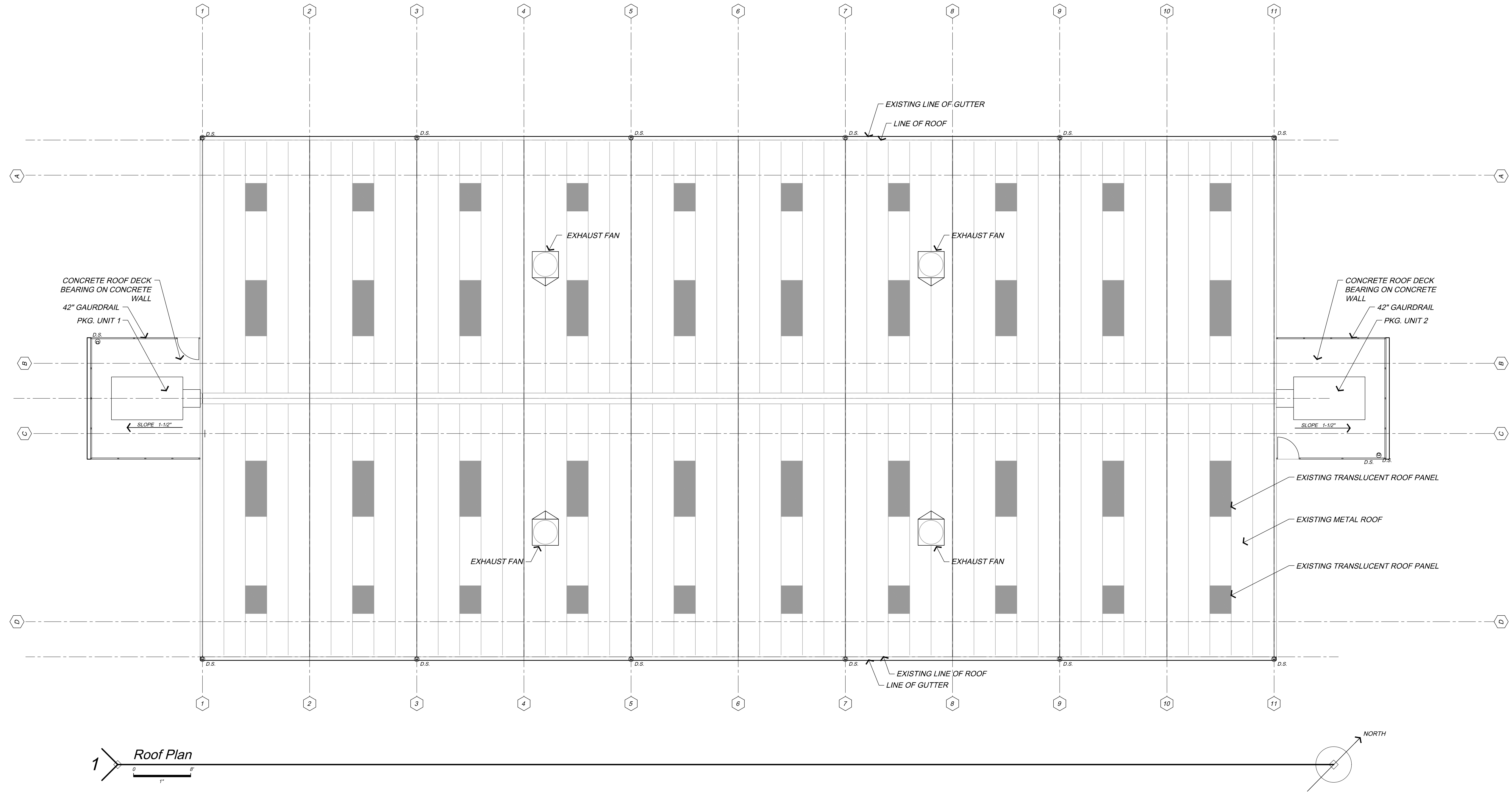
ROOM NUMBER
ROOM NAME HERE
FLOOR/BASE
WALL FINISH
CEILING HEIGHT
CEILING FINISH



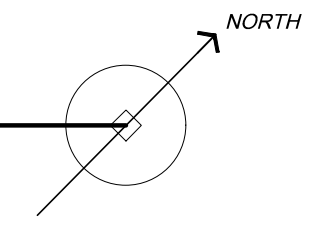


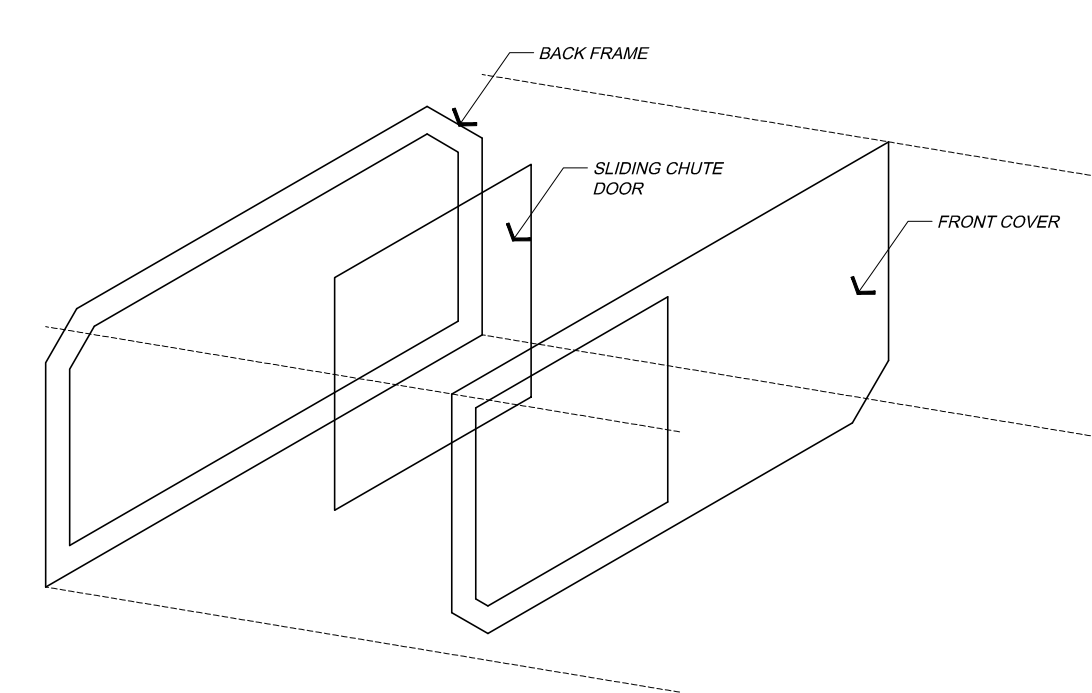
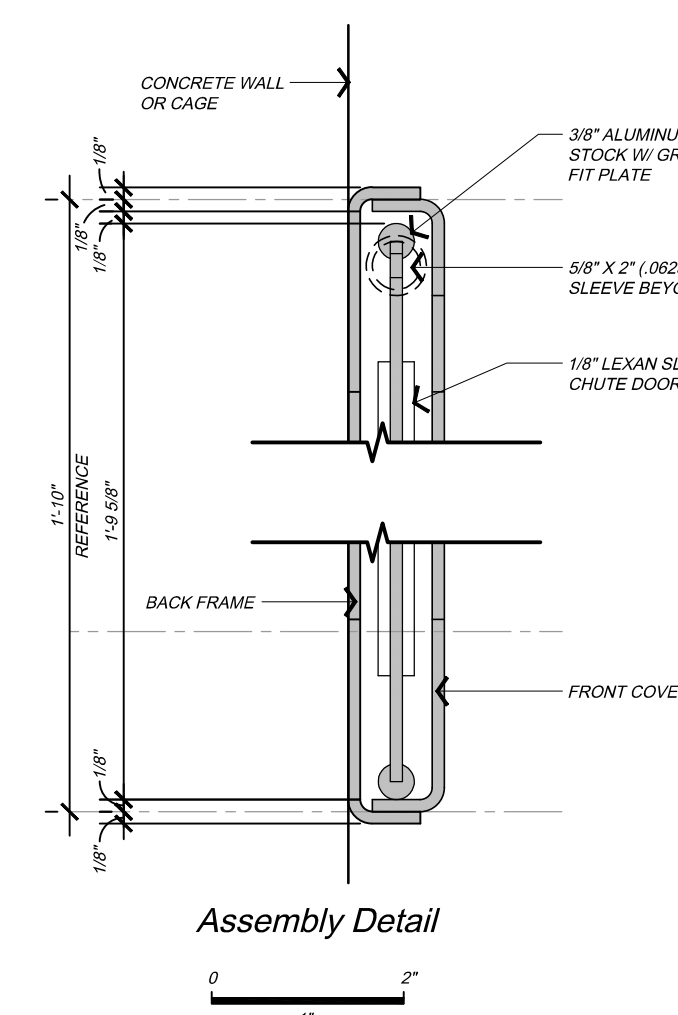
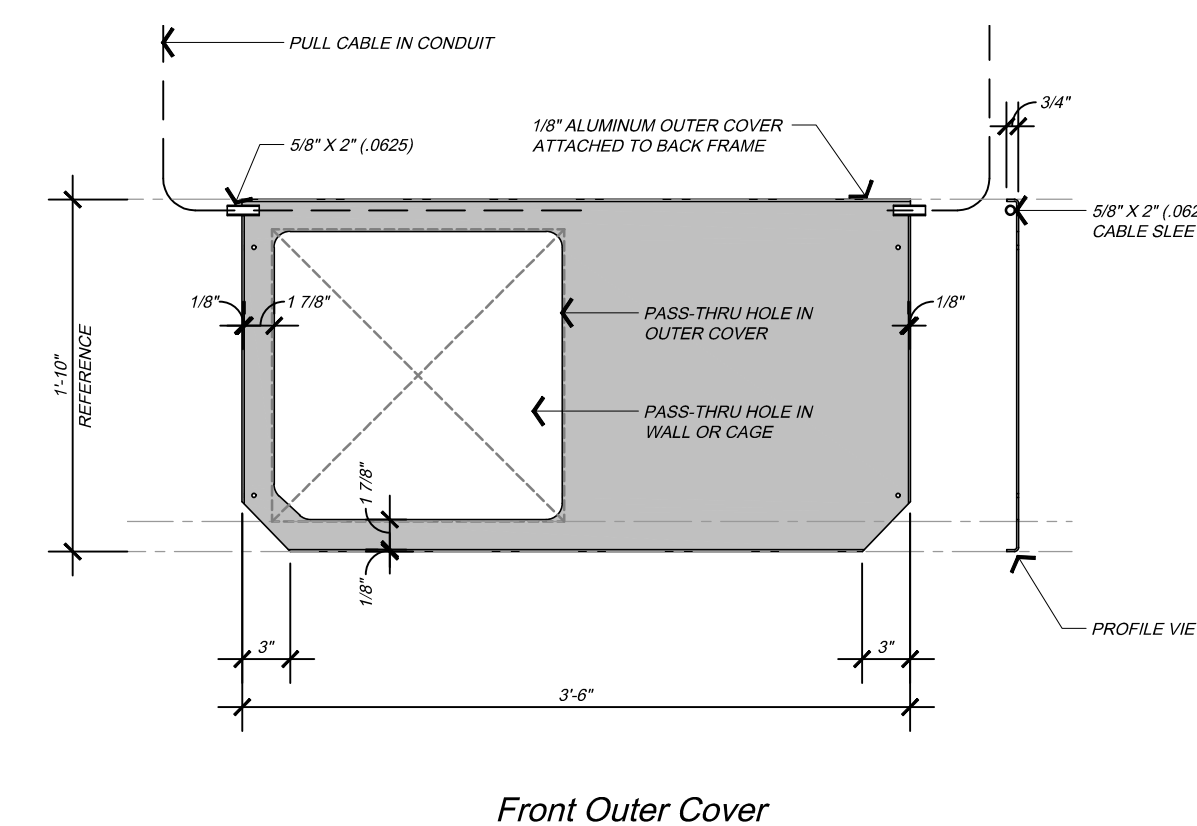
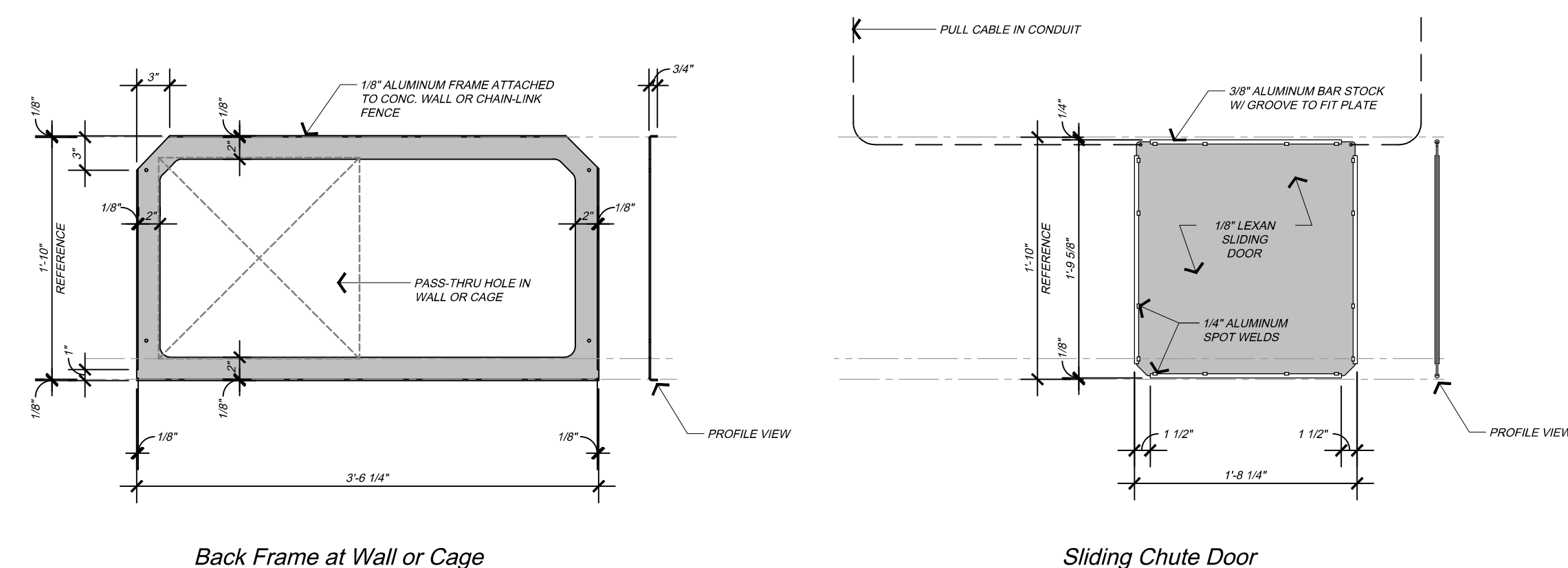
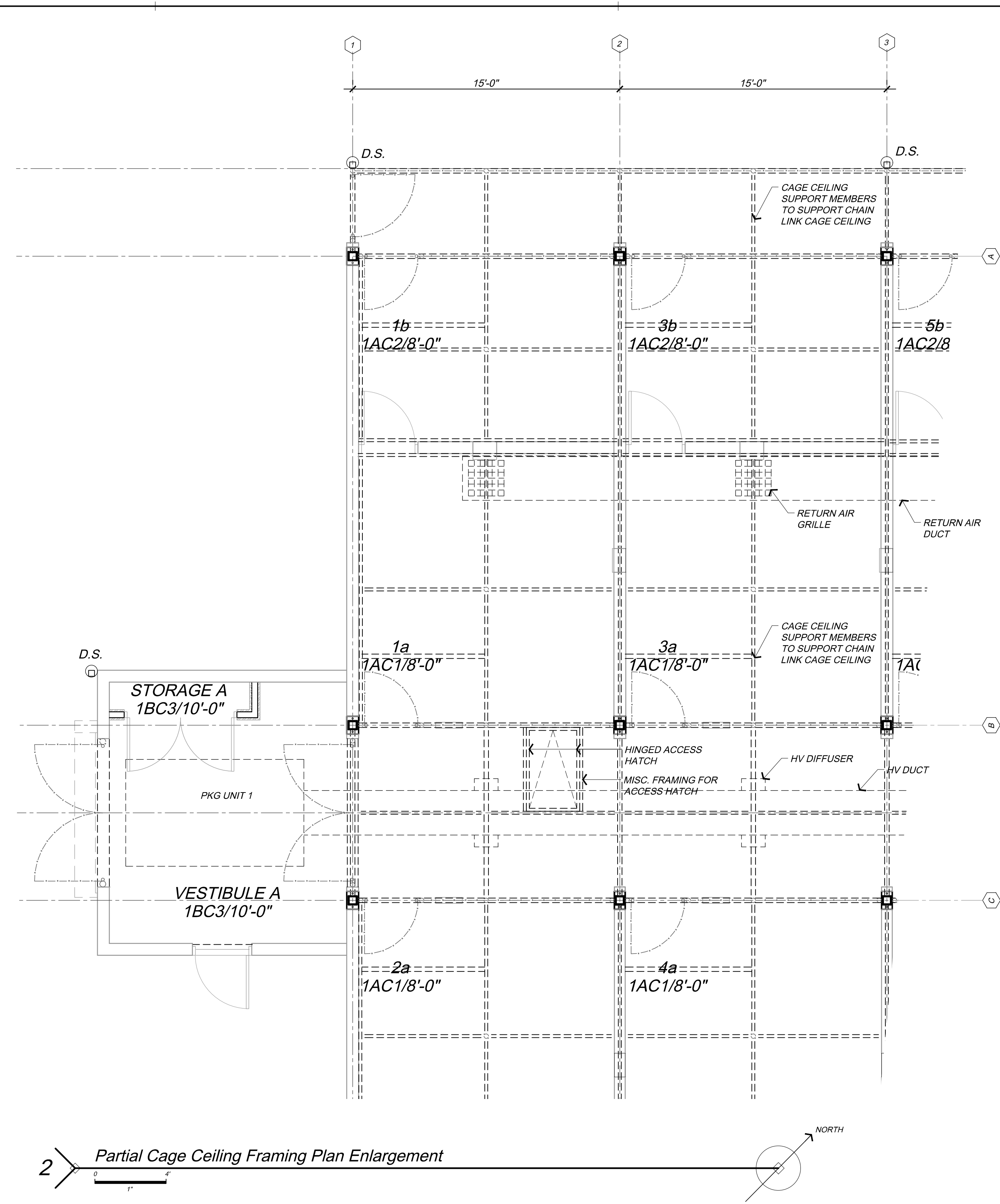
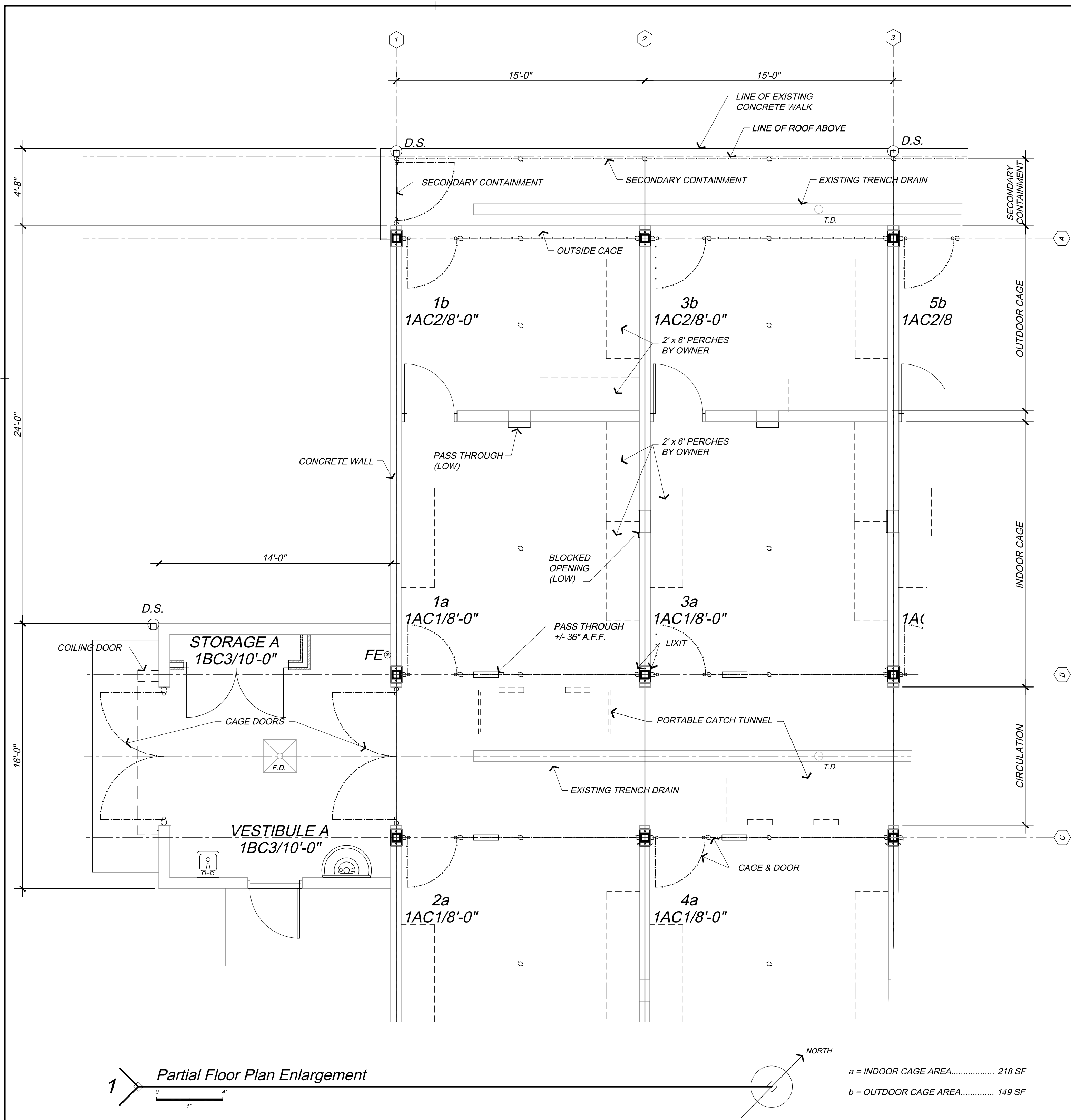
1 Cage Ceiling Framing Plan





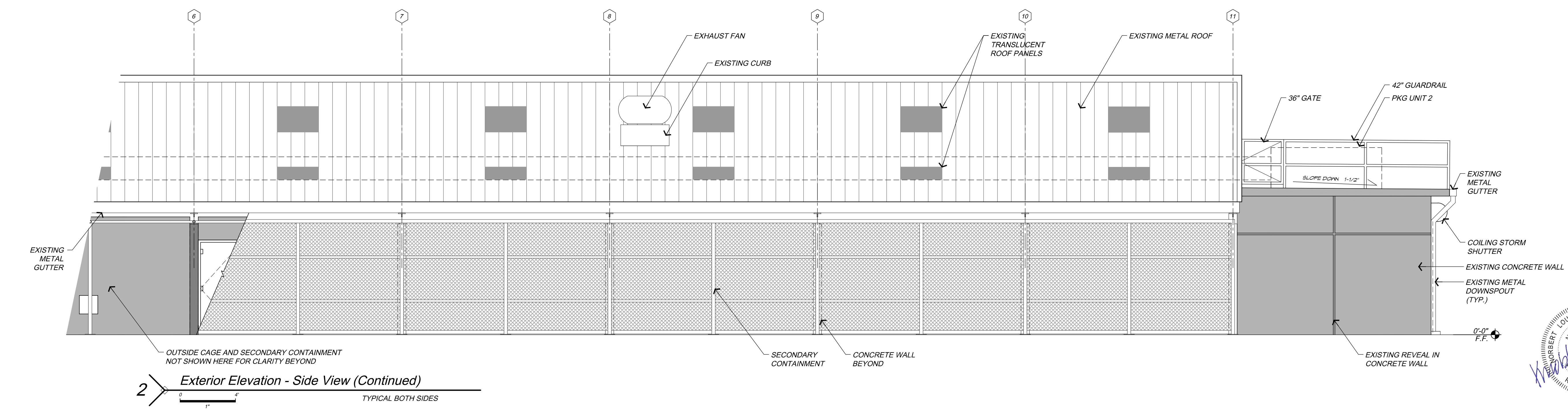
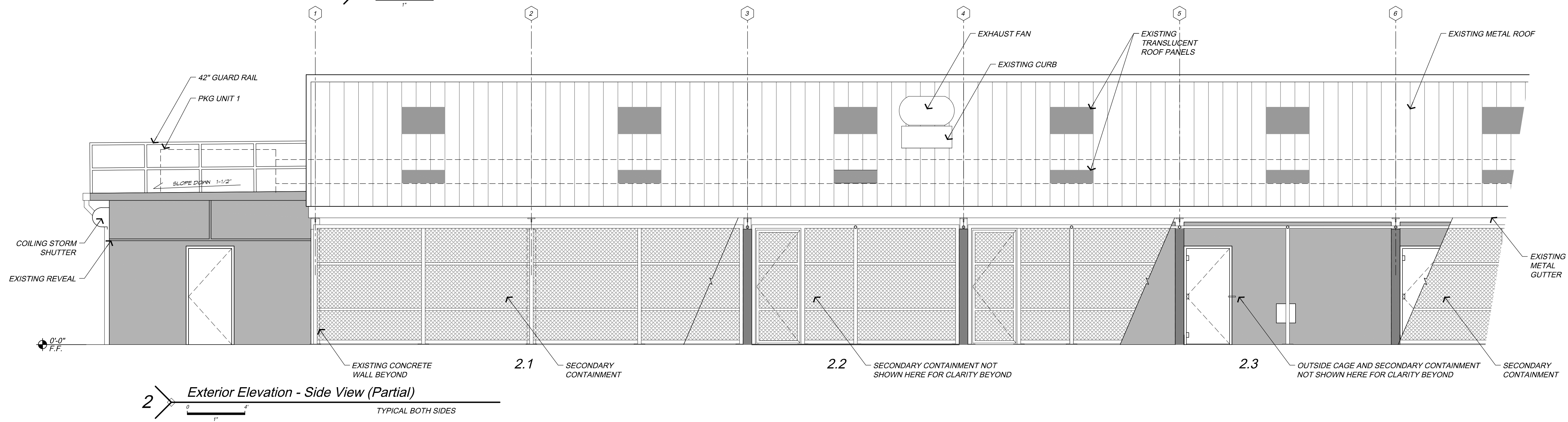
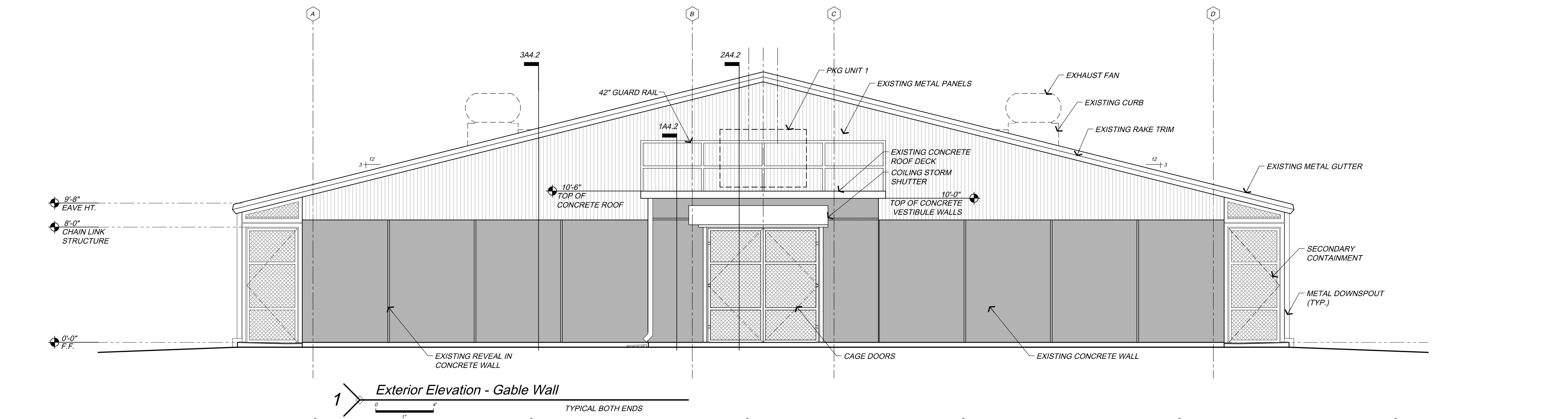
1 Roof Plan
0 1" 8'

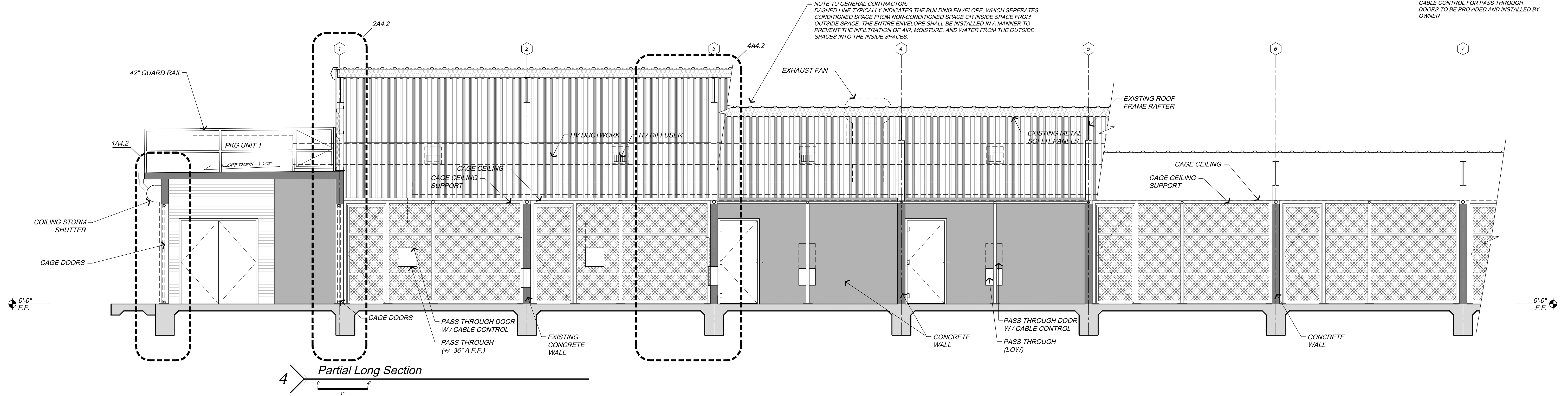
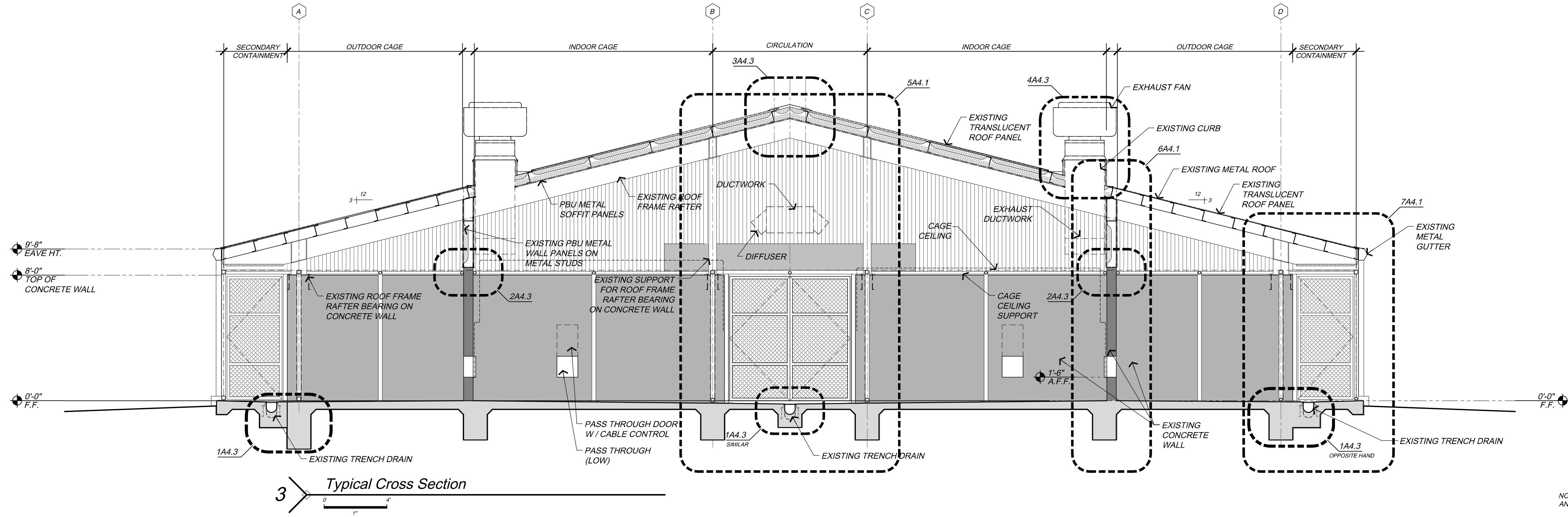




3 **Chute Door Assembly Details**

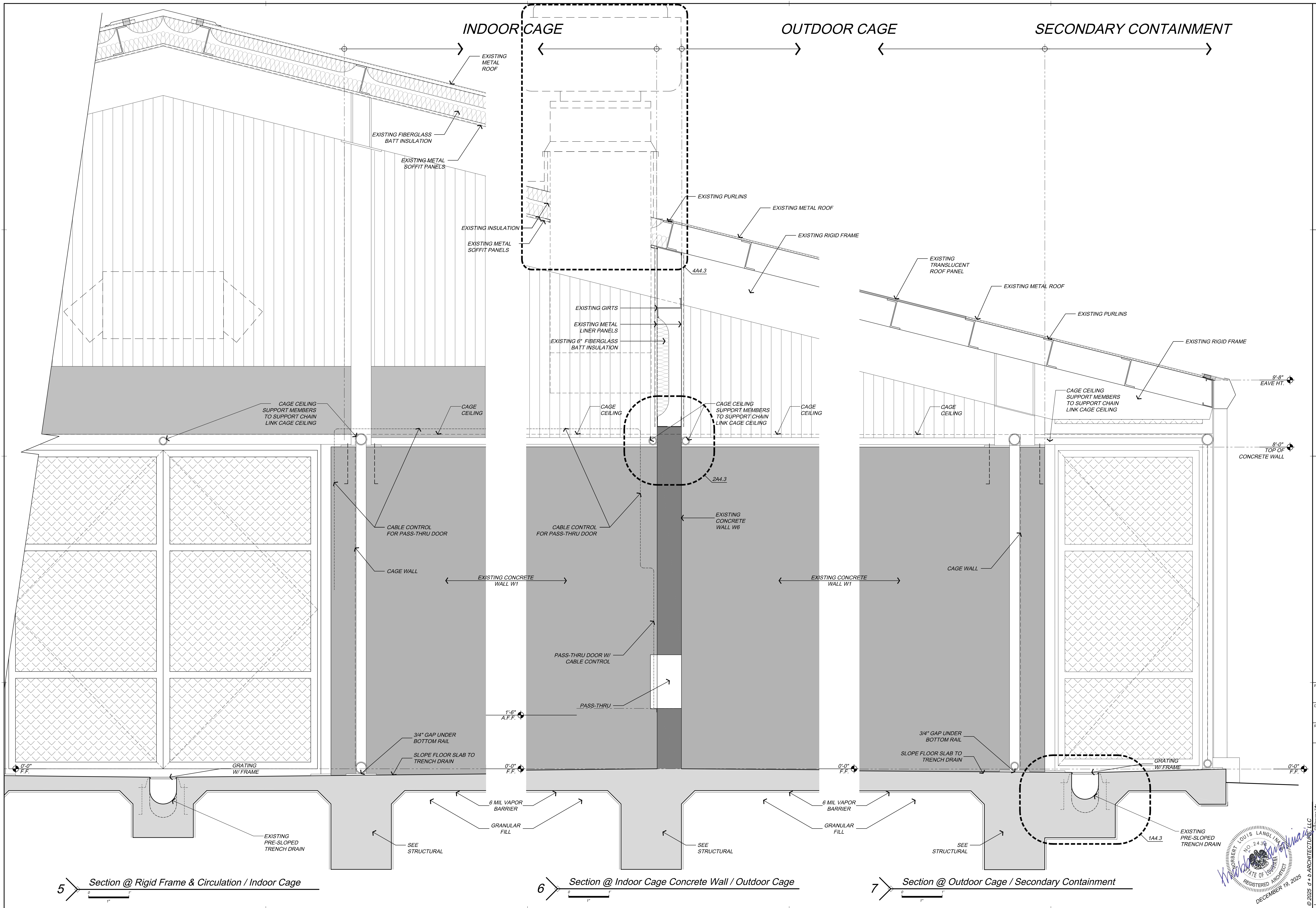
0 1'
1'

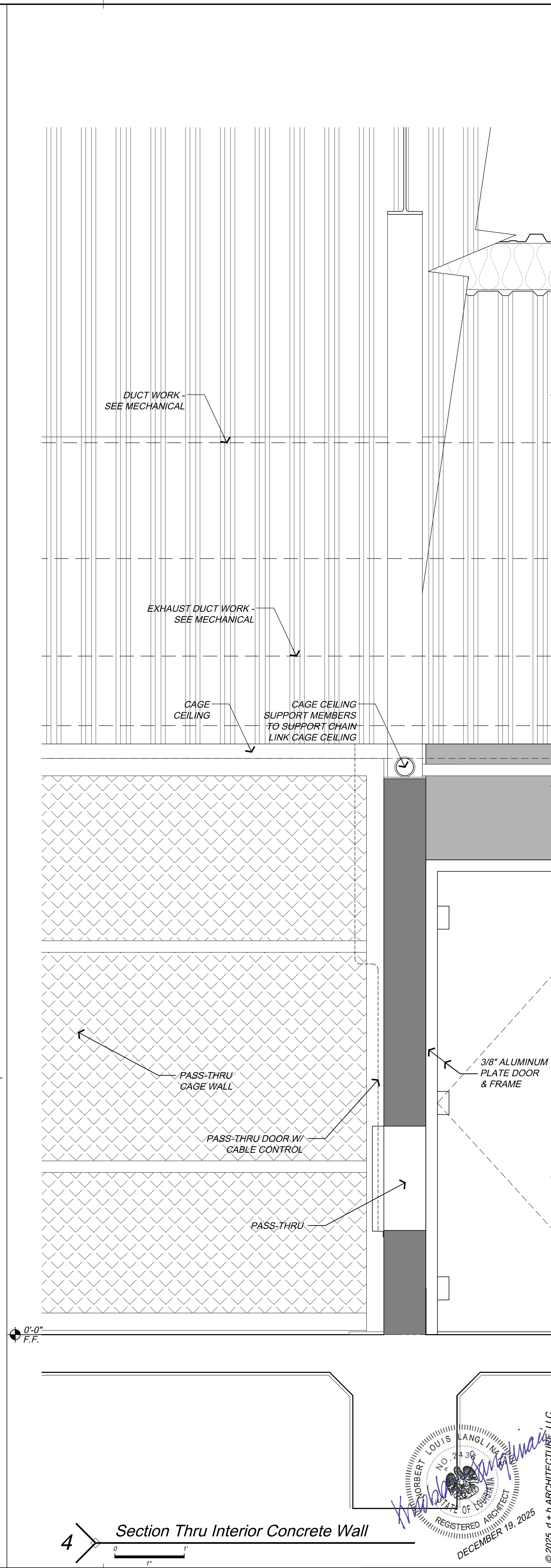
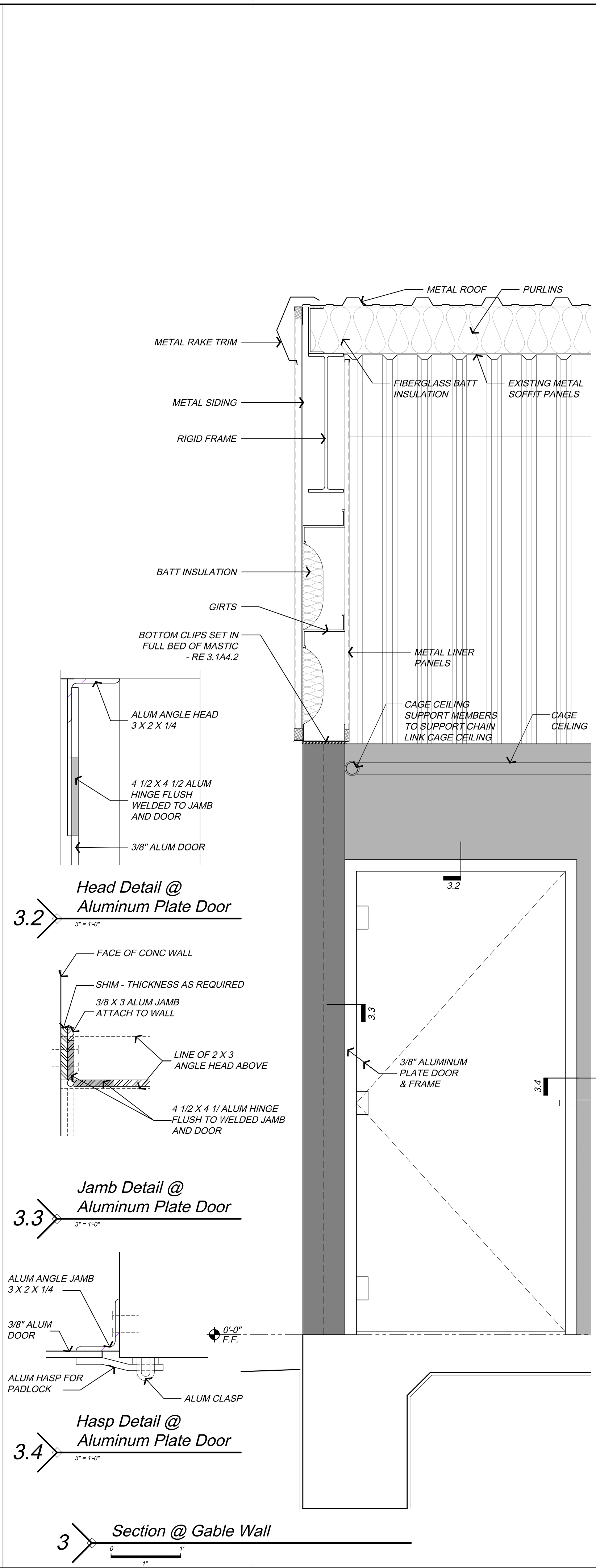
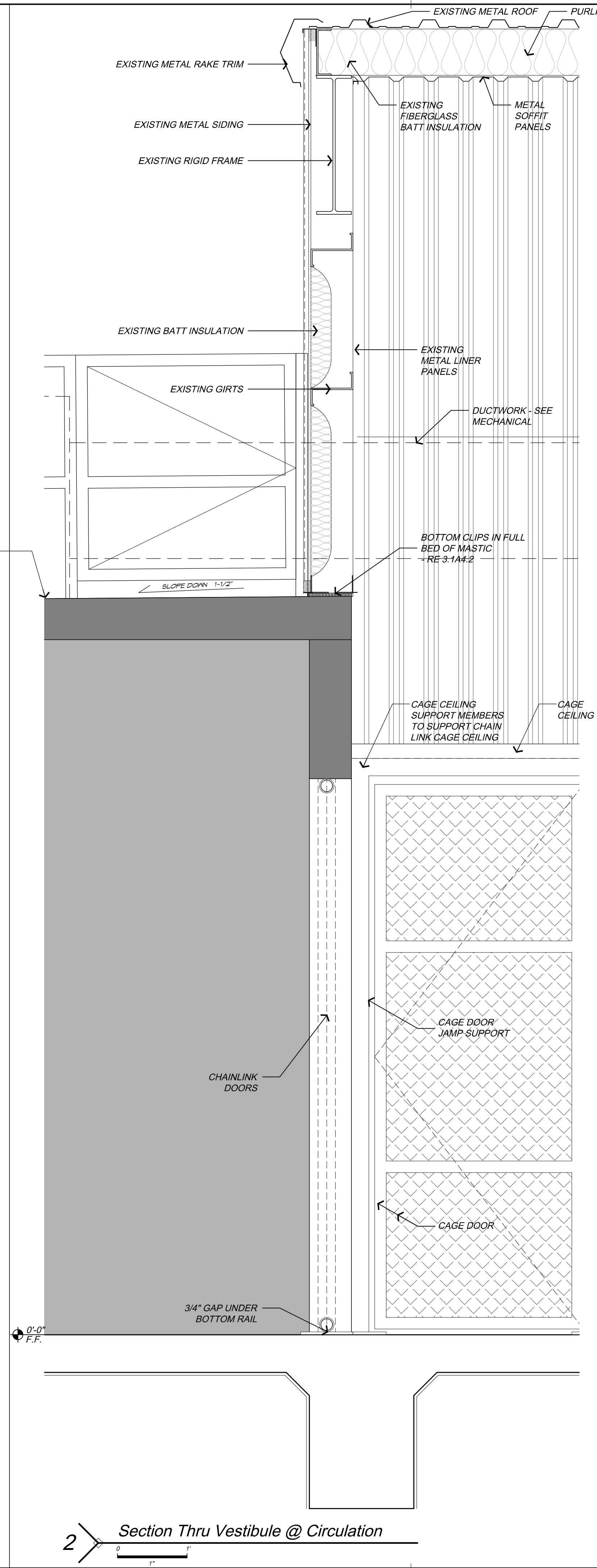
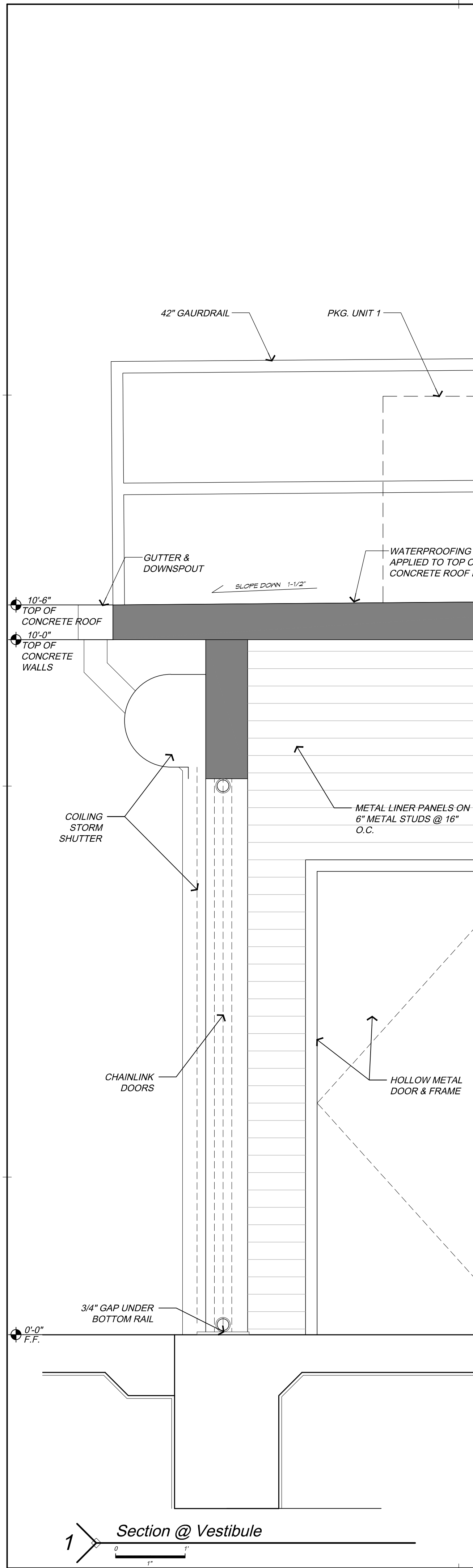


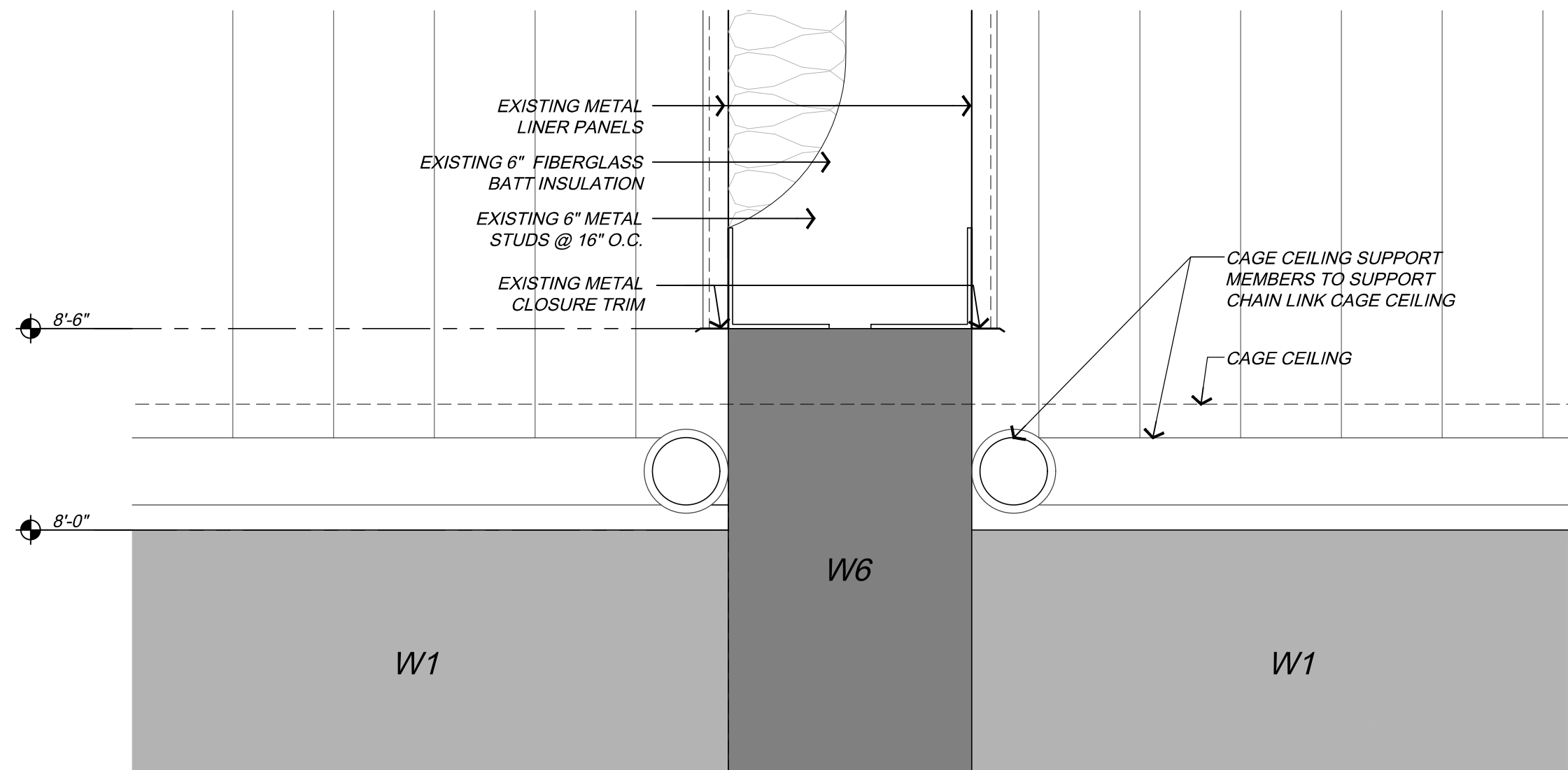


NOTE: PASS THROUGH DOORS PROVIDED AND INSTALLED BY OWNER
CABLE CONTROL FOR PASS THROUGH DOORS TO BE PROVIDED AND INSTALLED BY OWNER

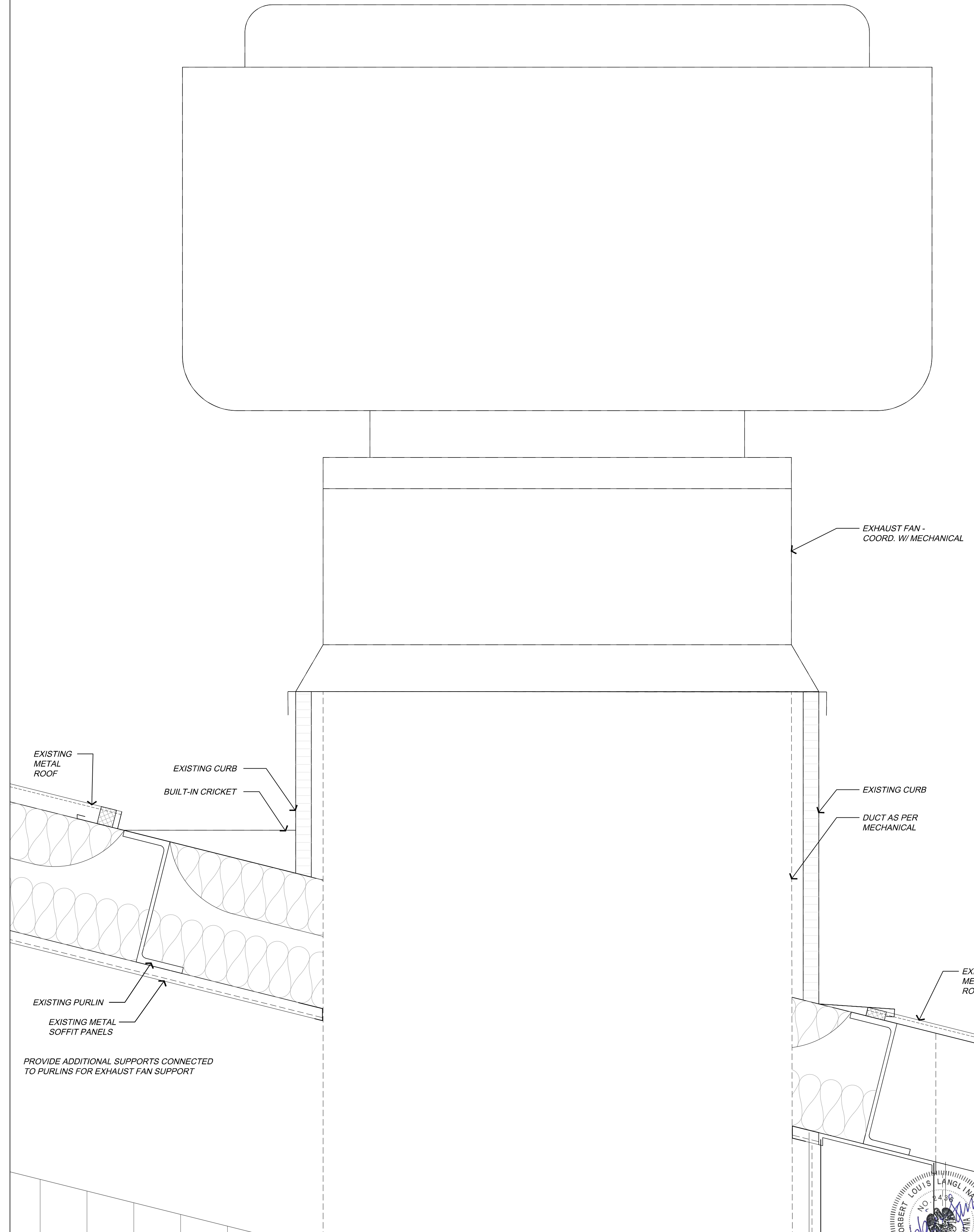




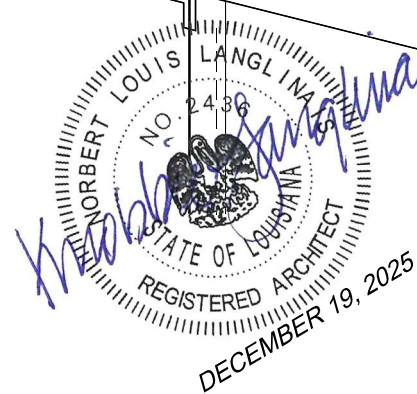


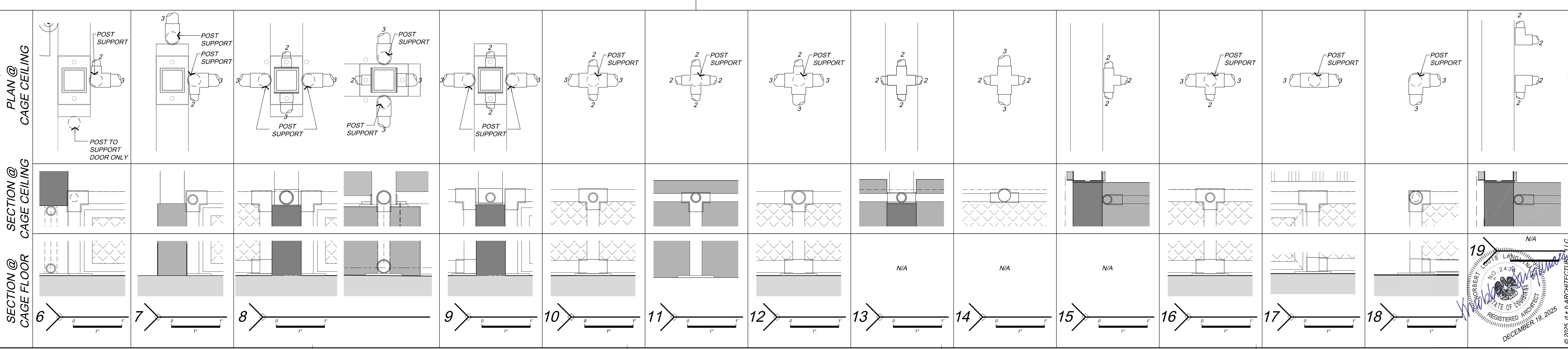
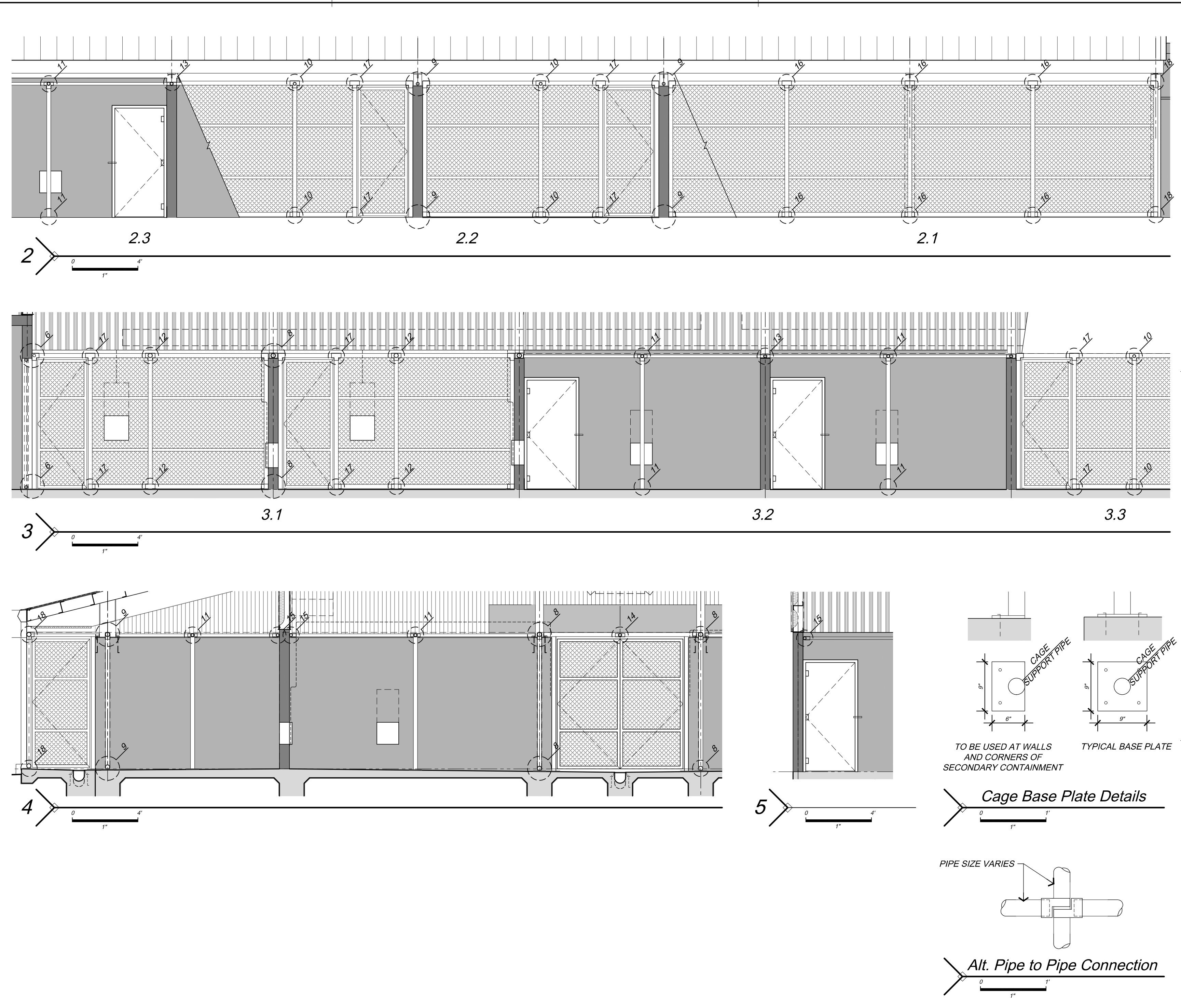
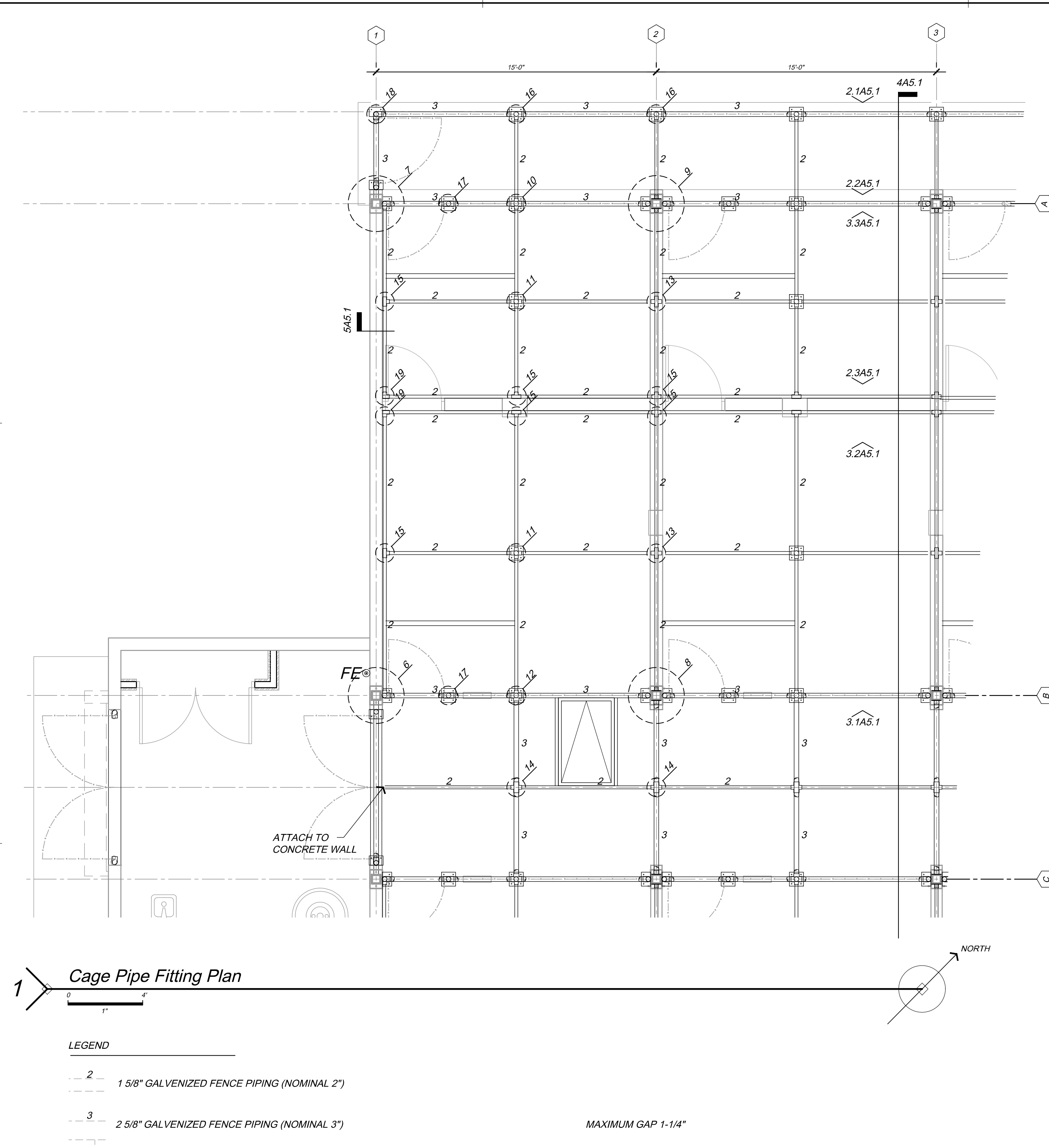


2 Cage Detail @ Top of Concrete Wall



4 Detail @ Exhaust Fan





PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY INVERTS OF ALL EXISTING SANITARY SEWER SERVICES PRIOR TO ANY AND ALL ROUGH-INS. COORDINATE ALL TIE-IN REQUIREMENTS. CONTRACTOR VISIT SITE AND VERIFY THE EXTENT OF WORK REQUIRED TO OWN SATISFACTION, PRIOR TO BIDS.
- CONTRACTOR SHALL TIE INTO DOMESTIC WATER SERVICES AS REQUIRED. VERIFY ALL REQUIREMENTS PRIOR TO BIDS.
- ALL WORK SHALL BE IN ACCORDANCE WITH NH DRN, INTERNATIONAL BUILDING CODE, NFPA REQUIREMENTS, LOUISIANA STATE SANITARY CODE AND APPLICABLE D.E.Q. REGULATIONS. WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- COORDINATE ALL PIPING WITH DUCTWORK, LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE BIDDER. REFER TO SPECIFICATIONS SECTION 15000 FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.

PLUMBING KEYNOTES

- REFER TO PARTIAL PLUMBING SITE PLAN THIS SHEET FOR CONTINUATION.
- (EXISTING) 49 FT. LONG TRENCH SLOPED TO THE CENTER. TRENCH SYSTEM SHALL BE MADE UP WITH MULTIPLE 4'-0" SECTIONS & TWO (2) 3'-0" SECTION. A 4" OUTLET SHALL BE LOCATED IN CENTER OF TRENCH DRAIN CENTERED IN A SINGLE TD SECTION.
- (EXISTING) 4" DRAIN OUTLET AT LOWEST POINT OF TRENCH DRAIN.
- 1/2" DOMESTIC COLD WATER LINE DOWN IN TOP OF WALL TO LICK-IT. INSULATE COLD WATER DROP AND INSTALL ALUMINUM JACKING TO PROTECT PIPE INSULATION.
- PROVIDE A CUTOFF VALVE IN A CAST IRON VALVE BOX WITH METAL COVER MARKED "WATER". REFER TO DETAIL.
- RUN 1-1/2" DOMESTIC POTABLE COLD WATER LINE AND 1-1/2" ANIMAL WATER SYSTEM LINE UP FROM BELOW SLAB. RUN ABOVE CEILING AS SHOWN.
- PROVIDE AND INSTALL A 1-1/2" WATTS SERIES 909 REDUCE PRESSURE ZONE BACKFLOW PREVENTER AND SHUT-OFF VALVE IN THIS VICINITY FOR POTABLE WATER AND ANIMAL WATERING SYSTEMS AS PER LOCAL CODES. BACKFLOW PREVENTER SHALL HAVE BRONZE STRAINER, STAINLESS STEEL CHECK SEATS, BALL TYPE CUTOFF VALVES, SPRING LOADED "Y" PATTERN CHECK VALVES, RELIEF VALVE, TEST COCKS, AND SHALL CONFORM TO ALL CODES. PROVIDE A FIBERGLASS INSULATED ENCLOSURE OVER BACKFLOW PREVENTERS. COORDINATE COLOR AND LOCATION OF ENCLOSURE WITH ARCHITECT. CONTRACTOR SHALL PROVIDE CONCRETE PAD FOR ANCHOR INSTALLATION.
- RISE UP FROM BELOW GRADE IN THIS VICINITY AND PROVIDE AND INSTALL GAS REGULATOR DOWN FROM 5 P.S.I. TO 2 P.S.I.
- PROVIDE AND INSTALL QUICK REACTING GAS REGULATOR DOWN FROM 2 LBS TO 11-14" W.C. IN THIS VICINITY. EXTEND 1-1/4" GAS LINE TO GAS FIRED BURNER(S).
- 3/4" WATER LINE DOWN IN WALL OUT TO HOSE BIBB.
- PROVIDE AND INSTALL SHUT-OFF VALVE. TYPICAL AT EVERY BRANCH LINE.
- PROVIDE TRAP PRIMER MODEL PPP PR-500 WITH AG-500 AIR GAP SUPPLY. IN COLD WATER LINE IN ACCESSIBLE LOCATION. DROP DOWN TO BELOW SLAB AND SLOPE 1/2" COPPER LINE TO FLOOR DRAINS. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
- (EXISTING) EXTERIOR CLEANOUTS IN CONCRETE PAD PER DETAIL.
- PROVIDE AND INSTALL QUICK ACTING NAT. GAS REGULATOR DOWN FROM 5 PSI TO 7-14" W.C.
- 2-1/2" GAS LINE FROM GAS METER WHICH IS TO BE INSTALLED IN PREVIOUS PHASE.
- CAP 2" GAS LINE IN THIS VICINITY FOR FUTURE BUILDINGS. THE ANTICIPATED FUTURE GAS LOAD IS 4340.5 CFH
- REFER TO PLUMBING PLAN ON THIS SHEET FOR CONTINUATION.
- REFER TO SPECIFICATIONS FOR UNDERGROUND GAS PIPING AND TRACER WIRE REQUIREMENTS.
- (EXISTING) 51 FT. LONG TRENCH SLOPED TO THE CENTER. TRENCH SYSTEM SHALL BE MADE UP WITH MULTIPLE 4'-0" SECTIONS & ONE (1) 3'-0" SECTION. A 4" OUTLET SHALL BE LOCATED IN CENTER OF TRENCH DRAIN CENTERED IN A SINGLE TD SECTION.
- REFER TO CIVIL PLANS FOR CONTINUATION.

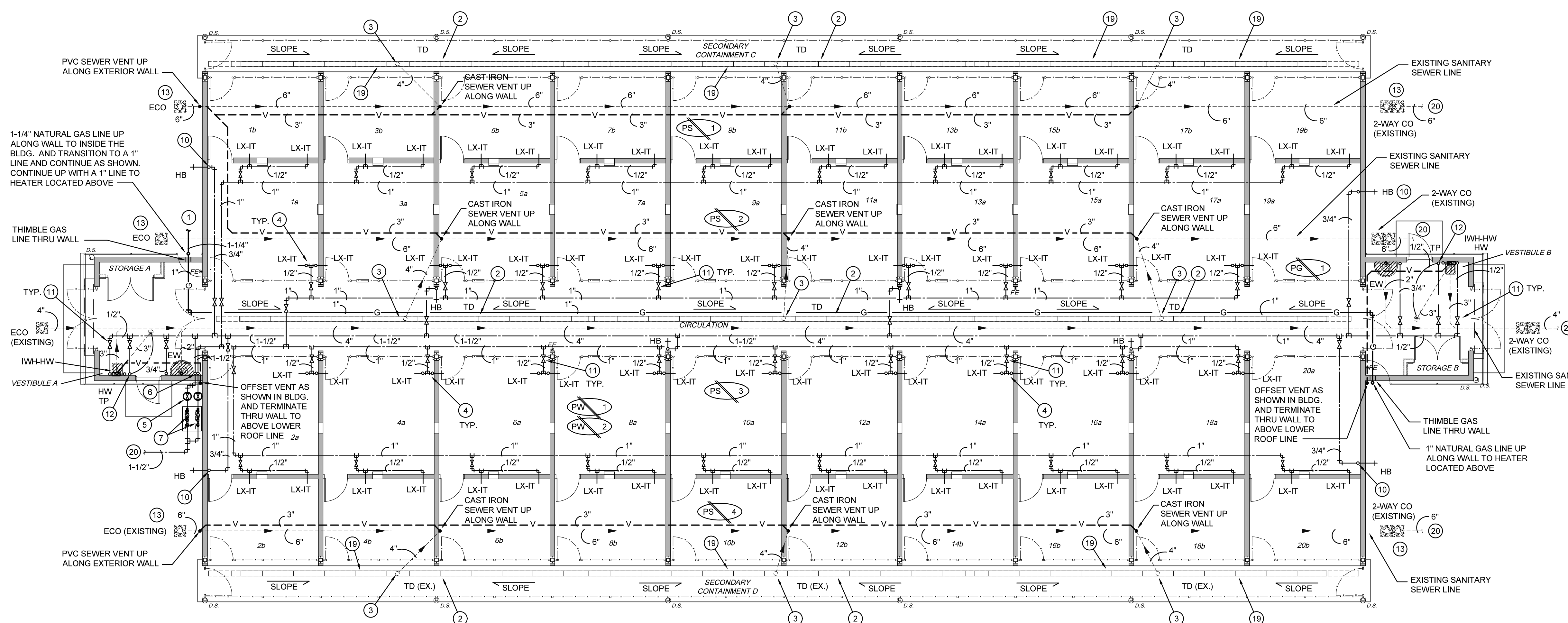
NOTE:
BUILDING 4 TO BE CONSTRUCTED IDENTICALLY TO
BUILDING 3.

NOTE:
ALL PLUMBING FIXTURES, OVERHEAD AND ABOVE SLAB
PIPING ARE TO BE INSTALLED AS PART OF THIS PROJECT.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 24138-A



NOTE:
REFER TO RISER DIAGRAMS FOR
ROUTING AND SIZE OF SEWER VENTS.

NOTE:
REFER TO ARCHITECTURAL PLANS
FOR ALL DIMENSIONS.

NOTE:
COORDINATE ROUTING OF PIPING WITH STRUCTURAL BEAMS,
JOIST, DUCTWORK, PIPING, CONDUIT, ETC. IN FIELD. PROVIDE
OFFSETS AS REQUIRED FOR CEILING ELEVATION CHANGES,
ETC. AS REQUIRED.

NOTE:
PER THE UNIVERSITY'S FACILITIES PERSONNEL TRAP
PRIMERS ARE NOT REQUIRED FOR THE TRENCH DRAINS AS
THERE WILL BE ROUTINE WASH DOWN OF THE CAGES AND
THEY'RE NOT CONCERNED ABOUT THE TRAPS DRYING OUT.

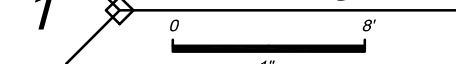
PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SANITARY SEWER LINE
	SANITARY SEWER VENT LINE
	DOMESTIC COLD WATER LINE
	NATURAL GAS LINE
	EXTERIOR CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	TRENCH DRAIN
	HOSE BIBB
	FLOOR DRAIN
	LIX-IT AUTOMATIC WATER DEVICE
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	BALL SHUT-OFF VALVE
	WATER HAMMER ARRESTOR
	PLUMBING RISER DIAGRAM NUMBER
	REDUCED PRESS. ZONE VALVE ASSEMBLY

NATURAL GAS LOAD

EQUIPMENT	BTUH	CFH	PRESSURE
BUILDING 03 - PTHR-1	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 03 - PTHR-2	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 04 - PTHR-1	800,000	800.0	1/2 PSI / 14" W.C.
BUILDING 04 - PTHR-2	800,000	800.0	1/2 PSI / 14" W.C.
SITE - GENERATOR	933,800	933.8	7" TO 14" W.C.
TOTALS =	4,133,800	4,133.8	

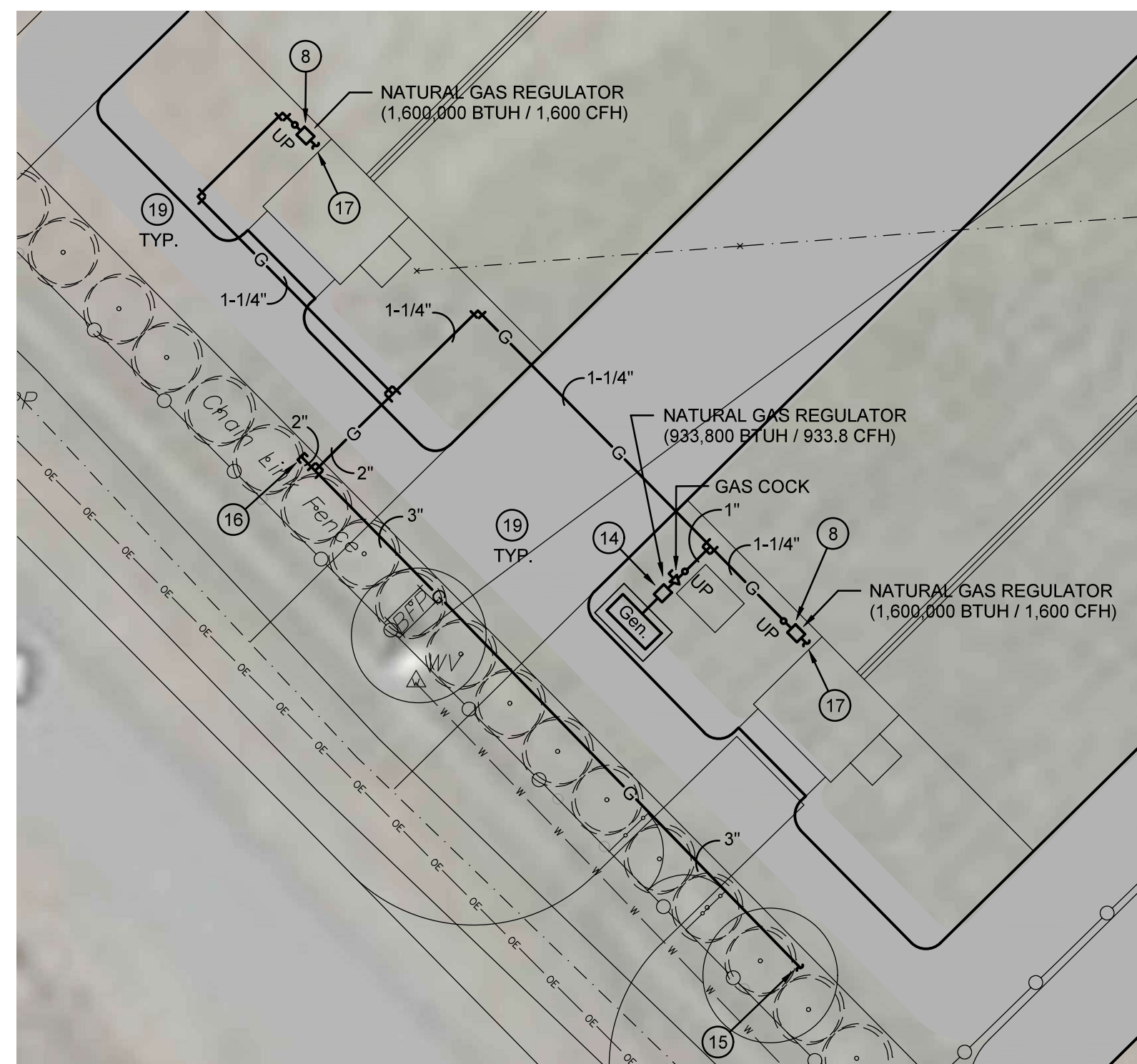
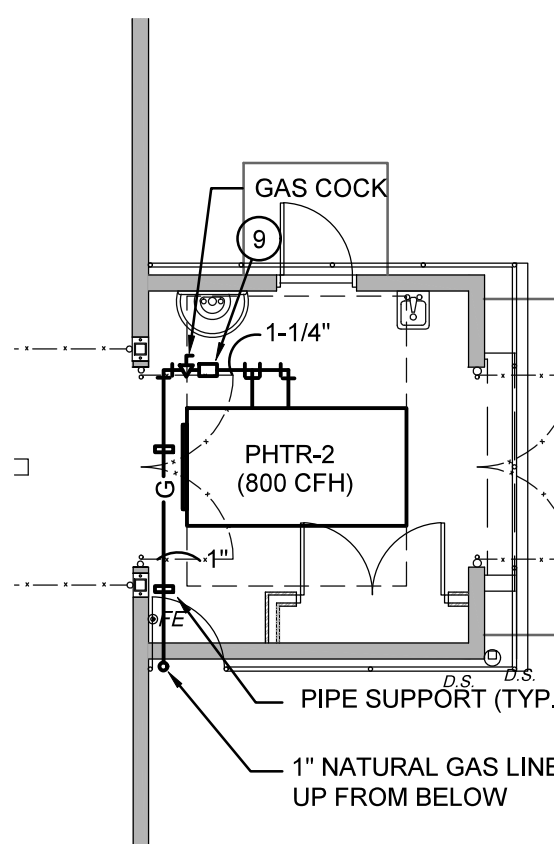
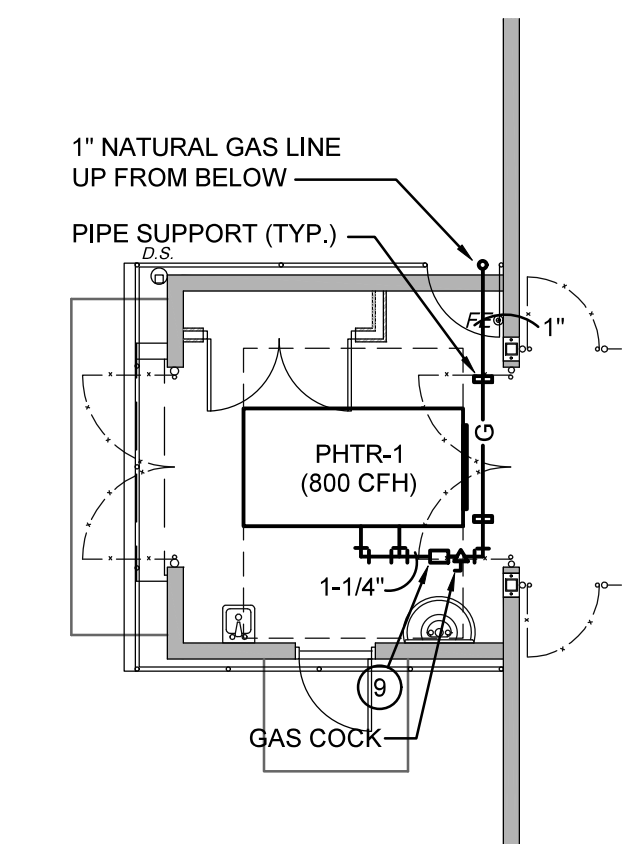
Plumbing Plan



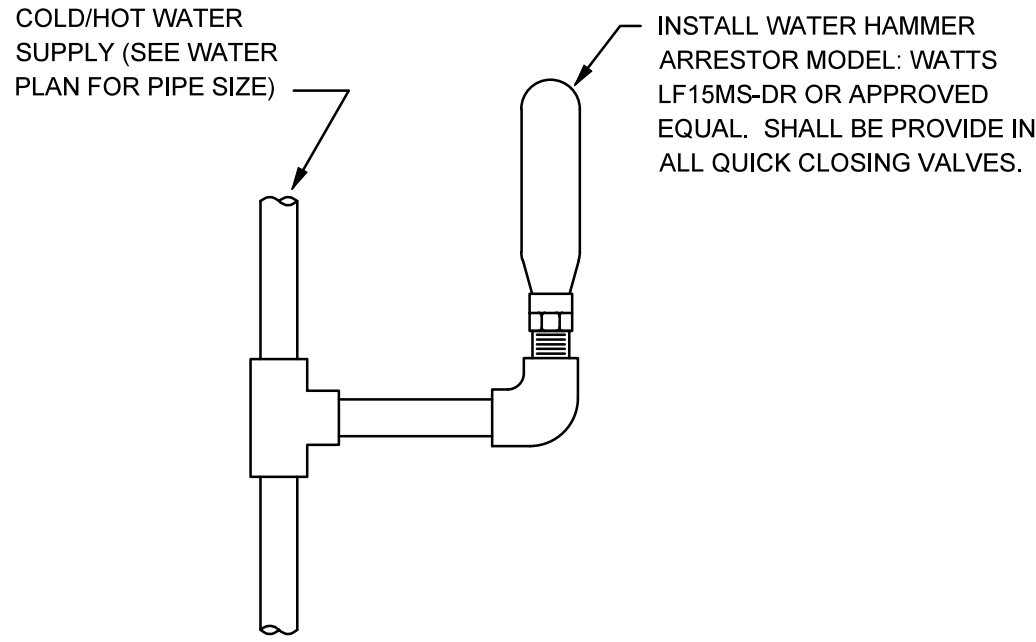
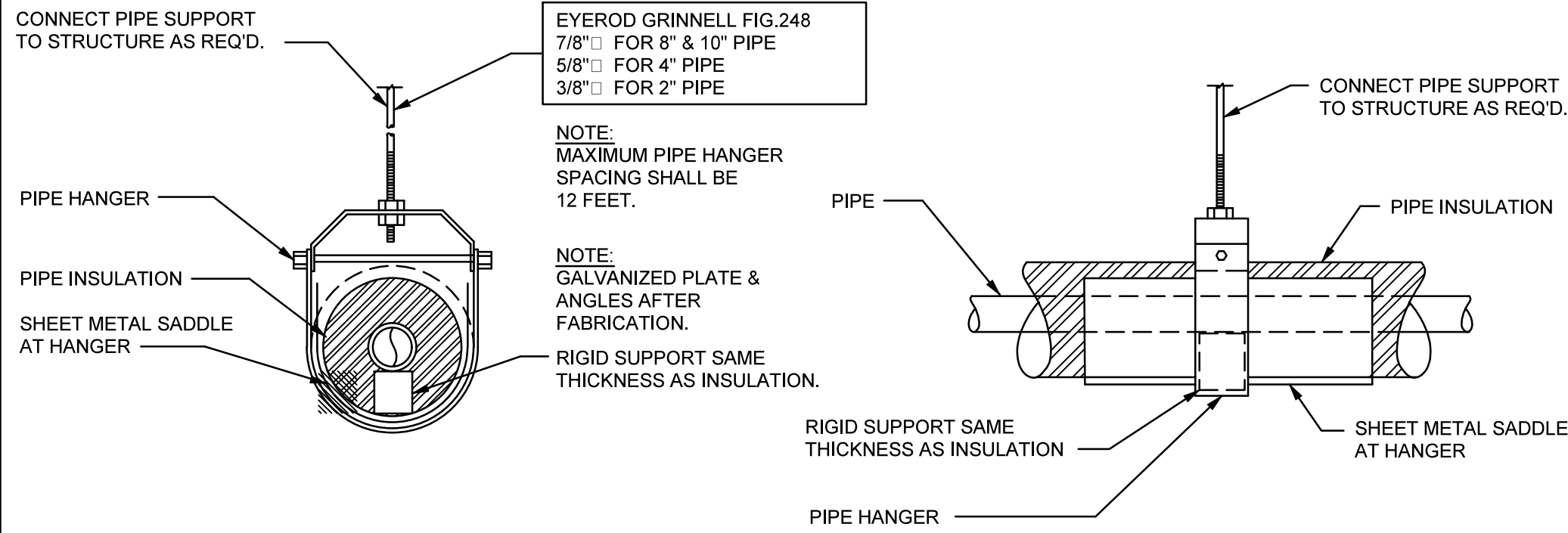
NOTE:
NO PLUMBING (SEWER WASTE, SEWER VENT, DOMESTIC
WATER (HOT & COLD) SHALL BE INSTALLED IN BLOCK
WALLS. ALL PIPING SHALL BE SURFACE MOUNTED AND
EXPOSED ON INTERIOR AND EXTERIOR OF BUILDINGS.

NOTE:
SEWER ROUGH-INS FOR FIXTURES WERE STUBBED-OUT TO
24" A.F.F. HAVE BEEN INSTALLED. PLUMBING FIXTURES,
OVERHEAD WATERLINES, SEWER VENTS, LX-ITS, NAT. GAS
LINES, ETC. ARE TO BE INSTALLED AS PART OF THIS PROJECT.

NOTE:
ALL ITEMS THAT ARE 24" A.F.F. ARE TO BE INCLUDED AS
PART OF THIS PROJECT. TRENCH DRAINS, FLOOR DRAINS,
CLEANOUTS, SEWER & WATER ROUGH-INS, ETC. HAVE
BEEN INSTALLED.

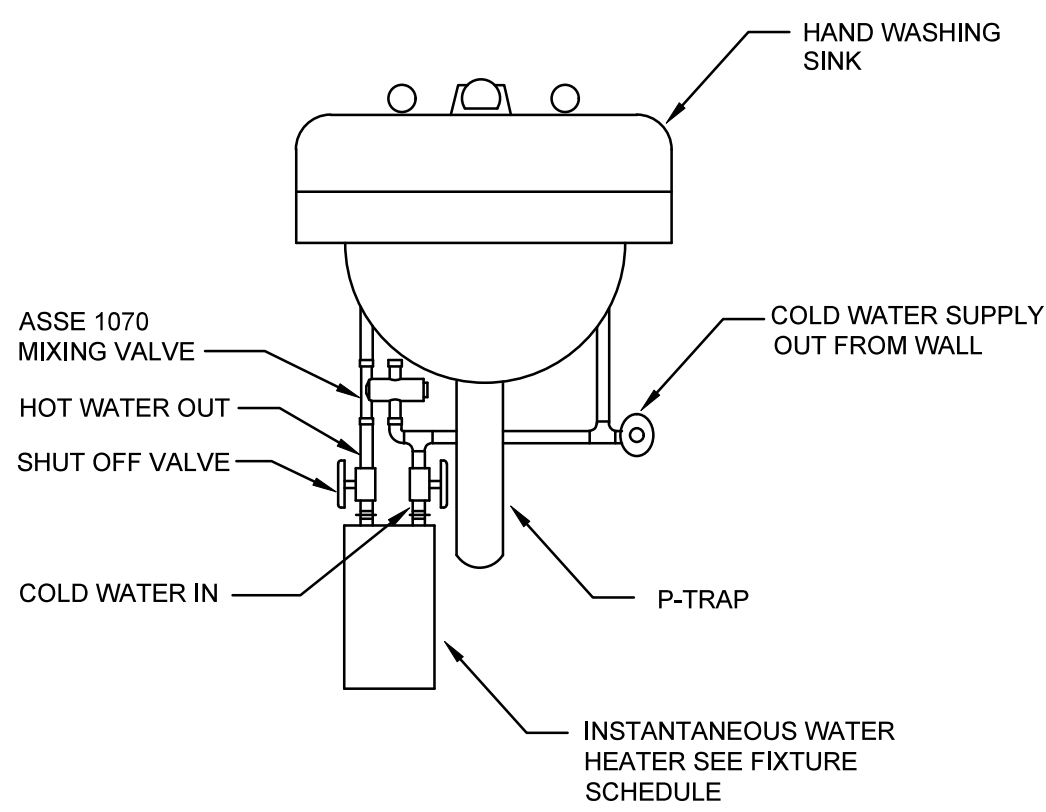
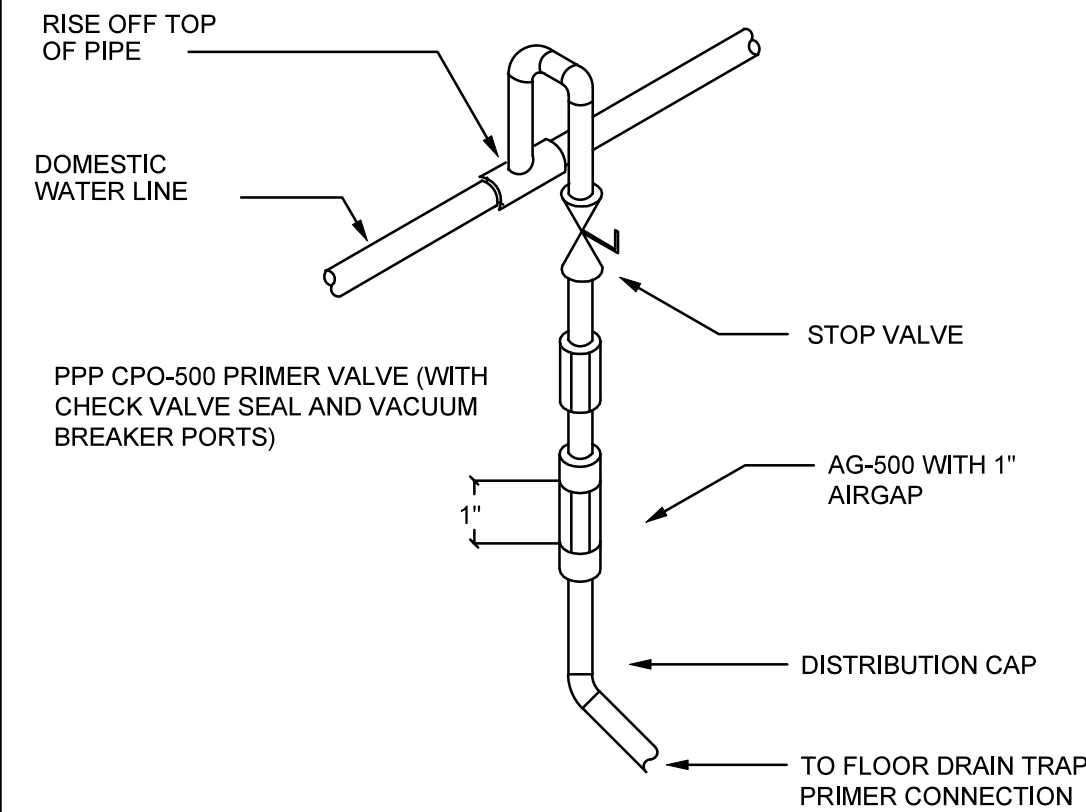


NOTE:
THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR
INSTALLING ANY GAS PIPING ON SITE OR IN THE
BUILDING THAT IS BEYOND THE GAS METER.



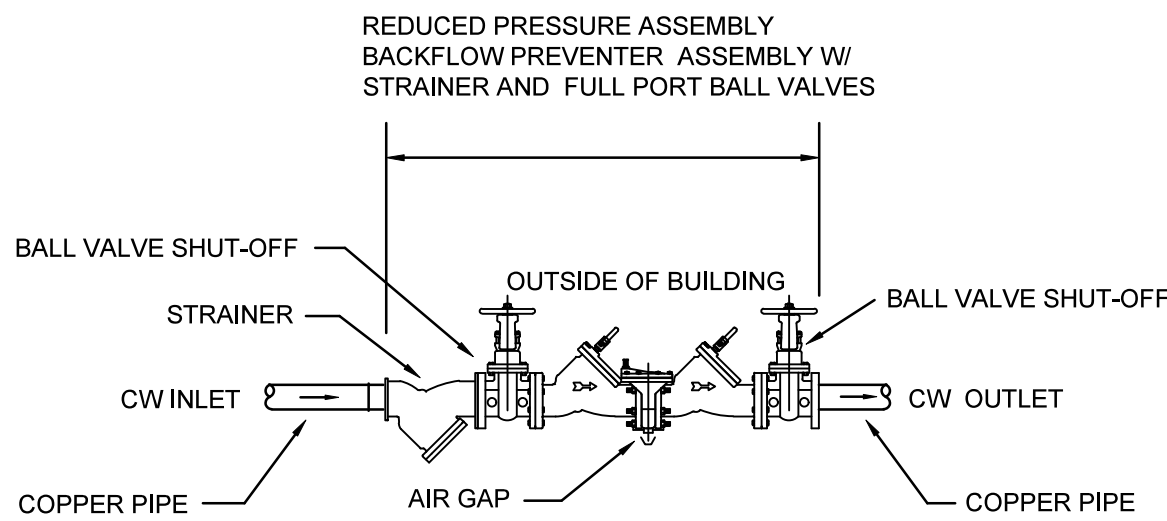
1 INSULATED PIPE HANGER DETAIL

NO SCALE



2 WATER HAMMER ARRESTOR DETAIL

NO SCALE



3 TRAP PRIMER ASSEMBLY

NO SCALE

4 INSTANTANEOUS WATER HEATER

NO SCALE

5 RPZ BACKFLOW PREVENTER

NO SCALE

PLUMBING FIXTURE SCHEDULE

MARK DESCRIPTION	MFG	SERVICES					REMARKS
		TRAP	WASTE	VENT	HW	CW	
HB-A HOSE BIBB	WOODFORD - 24P-3/4	--	--	--	--	3/4"	ANTI-SIPHON VACUUM BREAKER, PROTECTED WALL FAUCET WITH 3/4" HOSE THREAD, BRASS CONSTRUCTION, TEE KEY HANDLE.
HW HAND WASH SINK	ELKAY - 18KVX	1-1/2"	2"	2"	1/2"	1/2"	18 GAUGE, 300 SERIES STAINLESS STEEL WALL HUNG HAND SINK W/ WALL HANGER AND STAINLESS STEEL SUPPORT. GOOSENECK SPOUT, BRACKETS, KNEE VALVES FOR HANDS FREE OPERATION, GRID DRAIN FITTING WITH TAILPIECE, LK500 P-TRAP W/ CLEANOUT PLUG, WALL FLANGE, ANGLE SUPPLIES WITH STOP, AND ALL ACCESSORIES REQUIRED.
EW EYE WASH	ACORN - S0320	1-1/2"	2"	2"	--	3/4"	PEDESTAL MOUNTED EYE/FACE WASH WITH PLASTIC BOWL, ABS PLASTIC SPRAY HEADS, INLINE STRAINER, STAY OPEN BALL VALVE WITH PUSH HANDLE.
LX-IT AUTOMATIC WATERING SYSTEM	LIXIT - L70	--	--	--	--	1/2"	AUTOMATIC WATERING NIPPLE, W/ HOLLOW CENTER. SHALL BE MADE OF HIGH QUALITY STAINLESS STEEL. AND SHALL BE ADJUSTABLE (BETWEEN 20 AND 60+ PSI). SHALL MOUNT TO 1/2" PIPE FITTINGS. COORDINATE MOUNTING ORIENTATION WITH OWNER PRIOR TO ROUGH-IN.
TP TRAP PRIMER	PRECISION PLUM PROD. PR-500 / AG-500	--	--	--	--	1/2"	PROVIDE AUTOMATIC PRESSURE DROP TRAP PRIMER WITH AIR GAP SUPPLY, IN COLD WATER LINE FEEDING FLOOR DRAIN.

WATER HEATER SCHEDULE

UNIT No	LOCATION	STORAGE GAL	GPM	TEMP RISE	HEATING ELEMENTS KW	AMPS	ELEC. SERVICE	MFGR MODEL NO.
IWH-HW	SEE PLANS	INSTANT.	0.5	41°	3.0	15	208-1-60	EEMAX SPEX3208T OR APPROVED EQUAL

APPROVED EQUALS: THE FOLLOWING MANUFACTURERS OF PLUMBING FIXTURES AND DRAINS OF COMPARABLE QUALITY TO THOSE ITEMS SPECIFIED ARE CONSIDERED APPROVED EQUALS SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE INDIVIDUAL SPECIFICATIONS.

PLUMBING FIXTURES: AMERICAN STANDARD, MANSFIELD, SLOAN, TOTO, ZURN
DRAINS, CLEANOUTS, CARRIERS: JOSAM, J.R. SMITH, MIFAB, WATTS, ZURN
SINKS: ADVANCE TABCO, GRIFFIN, JUST
HOSE BIBBS: J.R. SMITH, MIFAB, WATTS, ZURN
FAUCETS: CHICAGO, DELTA COMMERCIAL, MOEN COMMERCIAL, SLOAN, SPEAKMAN, T & S, ZURN
WATER HEATERS: A.O. SMITH, STATE, RHEEM
SUPPLIES: BRASSCRAFT, EASTMAN, MCGUIRE, SPECIFIED TRIM, ZURN
FUR TRAP: WADE, MIFAB, ZURN, J.R. SMITH
OTHER MANUFACTURERS: SUBMIT FOR PRIOR APPROVAL.

5.0 P.S.I. GAS PIPING FROM METER TO BUILDINGS & GENERATOR (INCLUDES FUTURE):
LONGEST LENGTH IN FT. = 500'-0" TOTAL LOAD (BTU/H / CFH) = 14,595,1000 / 14,595.0
EQUIVALENT FT. FOR FITTINGS = 45'-0" INLET PRESSURE = 5.0 P.S.I.
TOTAL LENGTH = 545'-0" PRESSURE DROP = 3.5 P.S.I.
SPECIFIC GRAVITY 0.60

2.0 P.S.I. GAS PIPING FROM REGULATOR AT BUILDING TO PACKAGED GAS FIRED HEATERS:
LONGEST LENGTH = 195'-0" TOTAL LOAD (BTU/H / CFH) = 1,600,000 / 1,600
EQUIVALENT FT. FOR FITTINGS = 45'-0" INLET PRESSURE = 2.0 P.S.I.
TOTAL LENGTH = 240'-0" PRESSURE DROP = 1.0 P.S.I.
SPECIFIC GRAVITY 0.60

LESS THAN 2.0 P.S.I. GAS PIPING FROM APPLIANCE REGULATOR TO PACKAGED GAS FIRED PHTRS:
LONGEST LENGTH = 5'-0" TOTAL LOAD (BTU/H / CFH) = 800,000 / 800
EQUIVALENT FT. FOR FITTINGS = 10'-0" INLET PRESSURE = LESS THAN 2.0 P.S.I.
TOTAL LENGTH = 15'-0" PRESSURE DROP = 0.5 P.S.I.
SPECIFIC GRAVITY 0.60

NOTE: INFORMATION PROVIDED FROM TABLE 402.4(2), TABLE 402.4(5) & TABLE 402.4(7) OF THE 2021 INTERNATIONAL FUEL GAS CODE



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