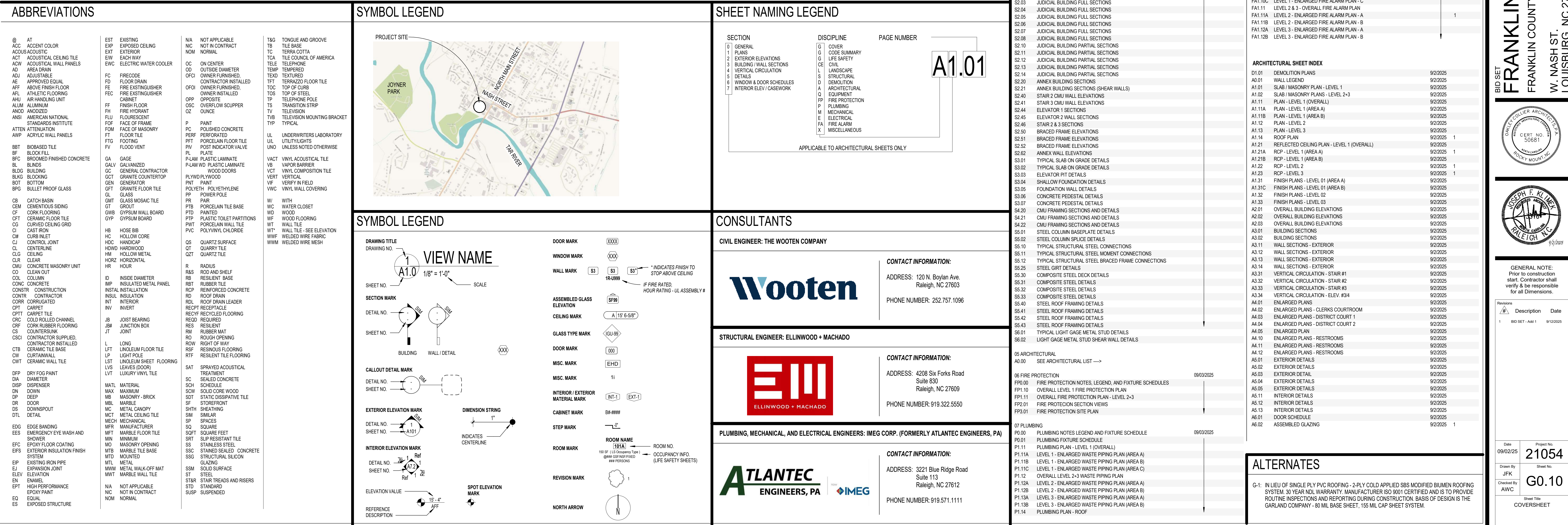


ADDRESS: W. NASH ST.
ADDRESS: LOUISBURG, NC 27549



2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project: NEW / RENOVATION BUILD FOR FRANKLIN COUNTY JUDICIAL CENTER
Address: 110 WEST NASH STREET, LOUISBURG, NC
Owner/Authorized Agent: RYAN PREBLE (COUNTY MANAGER)
Phone #: 919-496-5994 E-Mail: RPREBLE@FRANKLINCOUNTYNC.GOV
Owned By: [] City/County [] Private [] State
Code Enforcement Jurisdiction: [] City [] County FRANKLIN COUNTY [] State

CONTACT: JOSEPH F. KLIMEK, ARCHITECT
DESIGNER FIRM NAME LICENSE TELEPHONE E-MAIL
Architectural OAKLEY COLLIER ARCHITECTS JOSEPH F. KLIMEK 13316 252-937-2500 JK@OAKLEYCOLLIER.COM
Civil THE WOOTEN COMPANY JANA WADSWORTH 042389 919-828-0531 AWADSWORTH@THEWOOTENCOMPANY.COM
Electrical IMEG CORP. MATTHEW C. BRILEY 48828 919-571-1111 MCB@IMEG.CORP.COM
Fire Alarm IMEG CORP. MATTHEW C. BRILEY 48828 919-571-1111 MCB@IMEG.CORP.COM
Plumbing IMEG CORP. HARRISON HOLT 049750 919-571-1111 HOLT@IMEG.CORP.COM
Mechanical IMEG CORP. PATRICK J. MCCABE 051196 919-571-1111 PMCCABE@IMEG.CORP.COM
Sprinkler-Standpipe
Structural ELLIWOOD & MACHADO ZACH STROUD 050221 919-388-1714 ZSTROUD@EMSTRUCTURAL.COM
Retaining Walls >5' High
Other

(*Other*) should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: [] New Building [] Addition [] Renovation
[] 1st Time Interior Completion
[] Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
[] Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: Existing [] Prescriptive [] Repair [] Chapter 14
Alteration [] Level I [] Level II [] Level III [] Change of Use
[] Historic Property

CONSTRUCTED: (date) - CURRENT OCCUPANCY(S) (Ch. 3): A-3, B
RENOVATED: (date) - PROPOSED OCCUPANCY(S) (Ch. 3): A-3, B

Risk Category (Table 1604.5): Current: [] I [] II [] III [] IV
Proposed: [] I [] II [] III [] IV

BASIC BUILDING DATA
Construction Type: [] I-A [] I-B [] II-A [] II-B [] III-A [] III-B [] IV [] V-A [] V-B
Sprinklers: [] No [] Partial [] Yes [] NFPA 13 [] NFPA 13R [] NFPA 13D
Standpipes: [] No [] Yes [] Class I [] II [] III [] Wet [] Dry
Fire District: [] No [] Yes Flood Hazard Area: [] No [] Yes
Special Inspections Required: [] No [] Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

GROSS BUILDING AREA TABLE			
FLOOR	EXISTING (SQ FT)	ADDITION (SQ FT)	SUB-TOTAL
6th Floor			
5th Floor			
4th Floor			
3rd Floor	-	18,079	18,079
2nd Floor	-	17,181	17,181
1st Floor	13,918	20,640 (Area A) + 914 (Area B)	35,472
Basement			
TOTAL	13,918	56,814	70,732

ALLOWABLE AREA
Assembly [] A-1 [] A-2 [] A-3 [] A-4 [] A-5
Business []
Educational []
Factory [] F-1 Moderate [] F-2 Low
Hazardous [] H-1 Detonate [] H-2 Deflagrate [] H-3 Combust [] H-4 Health [] H-5 HPM
Institutional [] I-1 Condition [] I-2 [] I-3 Condition [] I-4
Mercantile []
Residential [] R-1 [] R-2 [] R-3 [] R-4
Storage [] S-1 Moderate [] S-2 Low [] High-piled
[] Parking Garage [] Open [] Enclosed [] Repair Garage
Utility and Miscellaneous []

Accessory Occupancy Classification(s): S-1
Incidental Uses (Table 509): -
Special Uses (Chapter 4 - List Code Sections): -
Special Provisions (Chapter 5 - List Code Sections): -
Mixed Occupancy: [] No [] Yes Separation: 0 Hr. Exception: 508.3
[] Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

[] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Actual Area of Occupancy A + Actual Area of Occupancy B		Allowable Area of Occupancy A + Allowable Area of Occupancy B		≤ 1.00
STORY NO.	DESCRIPTION AND USE	(A) BLEND AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	
1	FIRE AREA A (A-3)	34,556	28,500	34,675
1	FIRE AREA B (S-2)	914	104,000	104,000
2	FIRE AREA A (A-3)	17,181	28,500	28,500
3	FIRE AREA A (A-3)	18,079	28,500	28,500

- Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 874 (F)
b. Total Building Perimeter = 1,005 (P)
c. Ratio (F/P) = .87 (F/P)
d. W = Minimum width of public way = >30 (W)
e. Percent of frontage increase $I = 100[F/P - 0.25] \times W/30 = 65$ (%)
- Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
- The maximum area of open parking garages must comply with Table 406.5.4.
- Frontage increase is based on the unsminklered area value in Table 506.2.

ALLOWABLE HEIGHT			
BUILDING HEIGHT IN FEET (TABLE 504.3.2)	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
75	75	55	-
BUILDING HEIGHT IN STORIES (TABLE 504.4.3)	3	3	-

PERCENTAGE OF WALL OPENING CALCULATIONS			
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.3)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30 OR GREATER	UP, S	NO LIMIT	-
-	-	-	-
-	-	-	-

FIRE PROTECTION REQUIREMENTS							
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	FIRE RATING		DESIGN & CONSTRUCTION ASSEMBLY	DETAIL & SHEET #	RATED PENETRATION SHEET #	RATED JOINTS SHEET #
		REQ'D	PROVIDED (OR REDUCED)				
Structural Frame, including columns, joists, trusses, Exterior/Glazing Walls	>30	0 HR	-	-	-	-	-
North	>30	2 HR	2 HR	UL U424	G0.42	-	-
East	>30	2 HR	2 HR	UL U424	G0.42	-	-
West	>30	2 HR	2 HR	UL U424	G0.42	-	-
South	>30	2 HR	2 HR	UL U424	G0.42	-	-
Interior Bearing Walls	-	0 HR	-	-	-	-	-
Exterior Nonbearing Walls and Partitions							
North	>30	0 HR	-	UL U424	G0.42	-	-
East (Temp wall)	10'x<30	1 HR	1 HR	UL U424	G0.42	-	-
East	>30	0 HR	-	-	-	-	-
West	>30	0 HR	-	-	-	-	-
South	>30	0 HR	-	-	-	-	-
Interior Nonbearing Walls and Partitions	>30	0 HR	-	-	-	-	-
Floor Construction Including supporting beams and joists	0 HR	-	-	-	-	-	-
Floor Ceiling Assembly	0 HR	-	-	-	-	-	-
Columns Supporting Floors	AREA A 2 HR	-	-	UL X528	G0.41	-	-
Roof Construction, including supporting beams and joists	0 HR	-	-	-	-	-	-
Roof Ceiling Assembly	0 HR	-	-	-	-	-	-
Columns Supporting Roof	0 HR	-	-	-	-	-	-
Shaft Enclosures - Exit	1 HR	1 HR	UL U905	G0.40	-	-	-
Shaft Enclosures - Other	1 HR	1 HR	UL U415	G0.41	-	-	-
Corridor Separation	0 HR	-	-	-	-	-	-
Occupancy/Fire Barrier Separation	0 HR	-	-	UL U419 U905	G0.40 G0.40	-	-
Party/Fire Wall Separation	3 HR (706.4a)	2 HR	UL U905	G0.40	-	-	-
Smoke Barrier Separation	0 HR	-	-	-	-	-	-
Smoke Partition	0 HR	-	-	-	-	-	-
Tenant Dwelling/Sleeping Unit Separation	0 HR	-	-	-	-	-	-
Incidental Use Separation	1 HR	1 HR	UL U419 U905	G0.40 G0.40	-	-	-
* Indicate section number permitting reduction							
Horizontal Separation	AREA A 1 HR	-	UL I506	G0.42	-	-	-
	AREA B 2 HR	-	UL I514	G0.42	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: [] No [] Yes
Exit Signs: [] No [] Yes
Fire Alarm: [] No [] Yes
Smoke Detection Systems: [] No [] Yes
Carbon Monoxide Detection: [] No [] Yes

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: G0.20, G0.30, G0.31, G0.32, G0.33
[] Fire and/or smoke rated wall locations (Chapter 7)
[] Assumed and real property line locations (if not on the site plan)
[] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[] Occupant loads for each area
[] Exit access travel distances (1017)
[] Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
[] Dead end lengths (1020.4)
[] Clear exit widths for each exit door
[] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[] Actual occupant load for each exit door
[] A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
[] Location of doors with panic hardware (1010.1.10)
[] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[] Location of doors with electromagnetic egress locks (1010.1.9.9)
[] Location of doors equipped with hold-open devices
[] Location of emergency escape windows (1030)
[] The square footage of each fire area (202)
[] The square footage of each smoke compartment for Occupancy Classification 1-2 (407.5)
Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS						
(SECTION 1007)						
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED
-	-	-	-	-	-	-

ACCESSIBLE PARKING						
(SECTION 1007)						
LOT OR PARKING SPACE	TOTAL # OF PARKING SPACES	# OF ACCESSIBLE SPACES PROVIDED	REGULAR WITH 5' ACCESS AISLE	12' ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

PLUMBING FIXTURE REQUIREMENTS									
(TABLE 2903.1)									
USE	WATER CLOSETS			LAVATORIES			SHOWERS		
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	TUBS	REGULAR	ACCESSIBLE
EXIST	6	11	33	3	9	9	33	-	9
NEW	6	11	33	3	9	9	33	-	9
REQ'D	15	19	-	8	10	14	-	5	5

* DENOTES MAX ALLOWED
SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
- LOCAL JURISDICTION: TOWN OF LOUISBURG (PLANNING / ZONING)
- LOCAL JURISDICTION: FRANKLIN COUNTY (BUILDING)
- DEPT. OF INSURANCE, DEPT. OF ENVIRONMENTAL QUALITY, DEPT. OF TRANSPORTATION, ADMINISTRATIVE OFFICE OF THE COURTS
- BDA SYSTEM WILL BE CONDITIONALLY INSTALLED PENDING RESULTS OF RF (RADIO FREQUENCY) SURVEY.

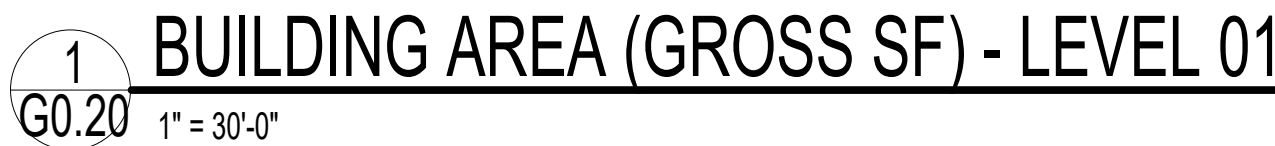
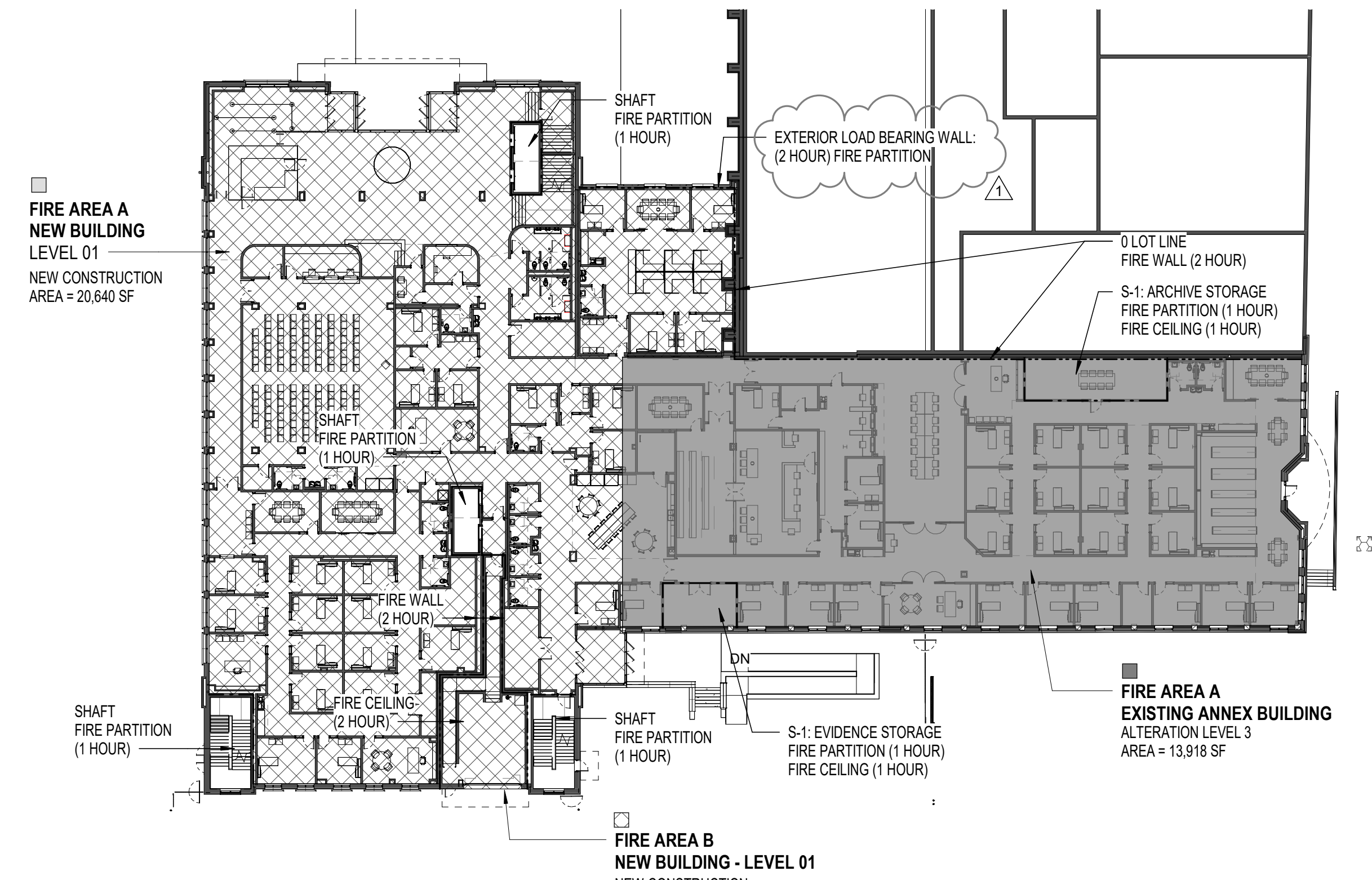
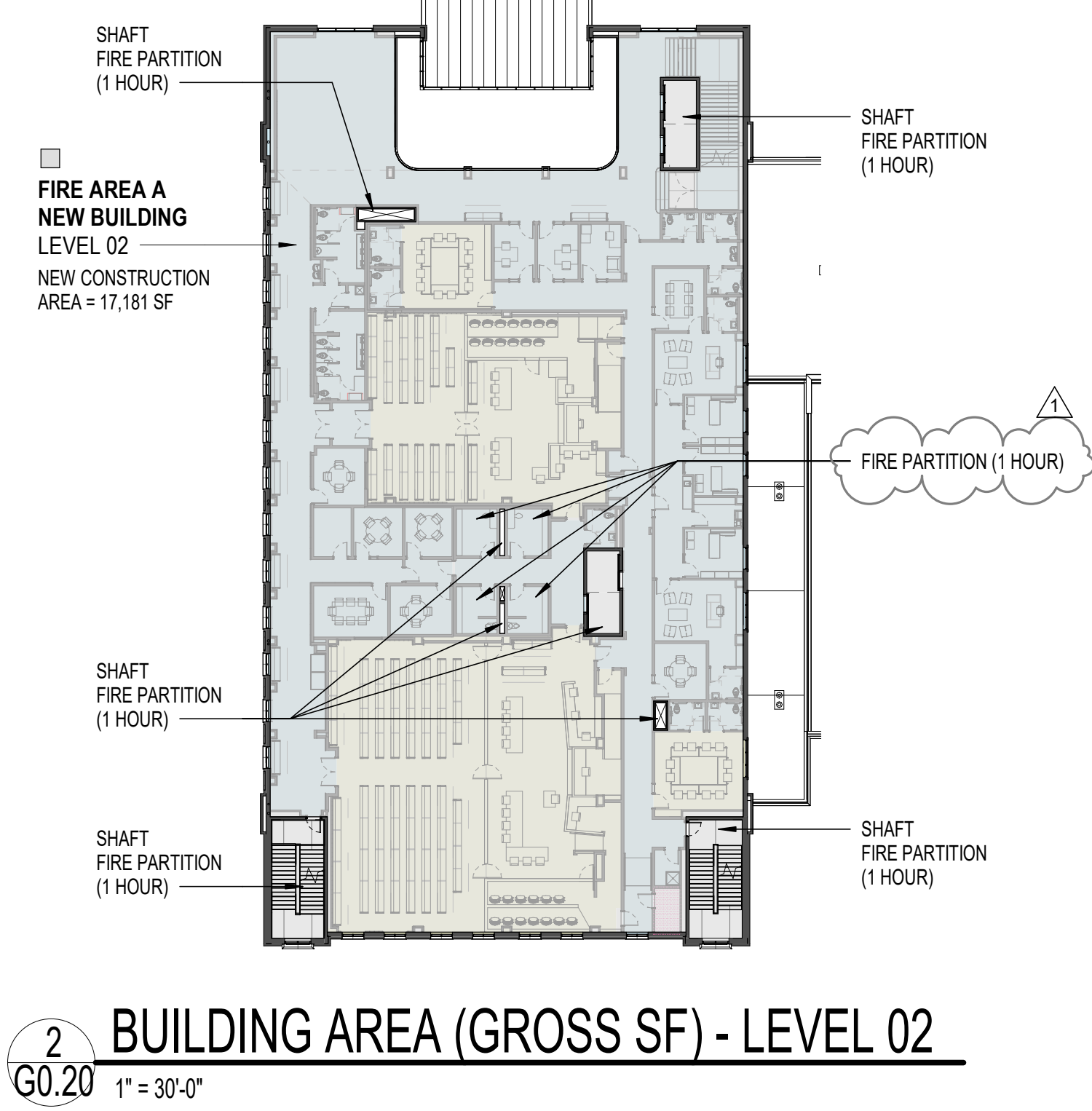
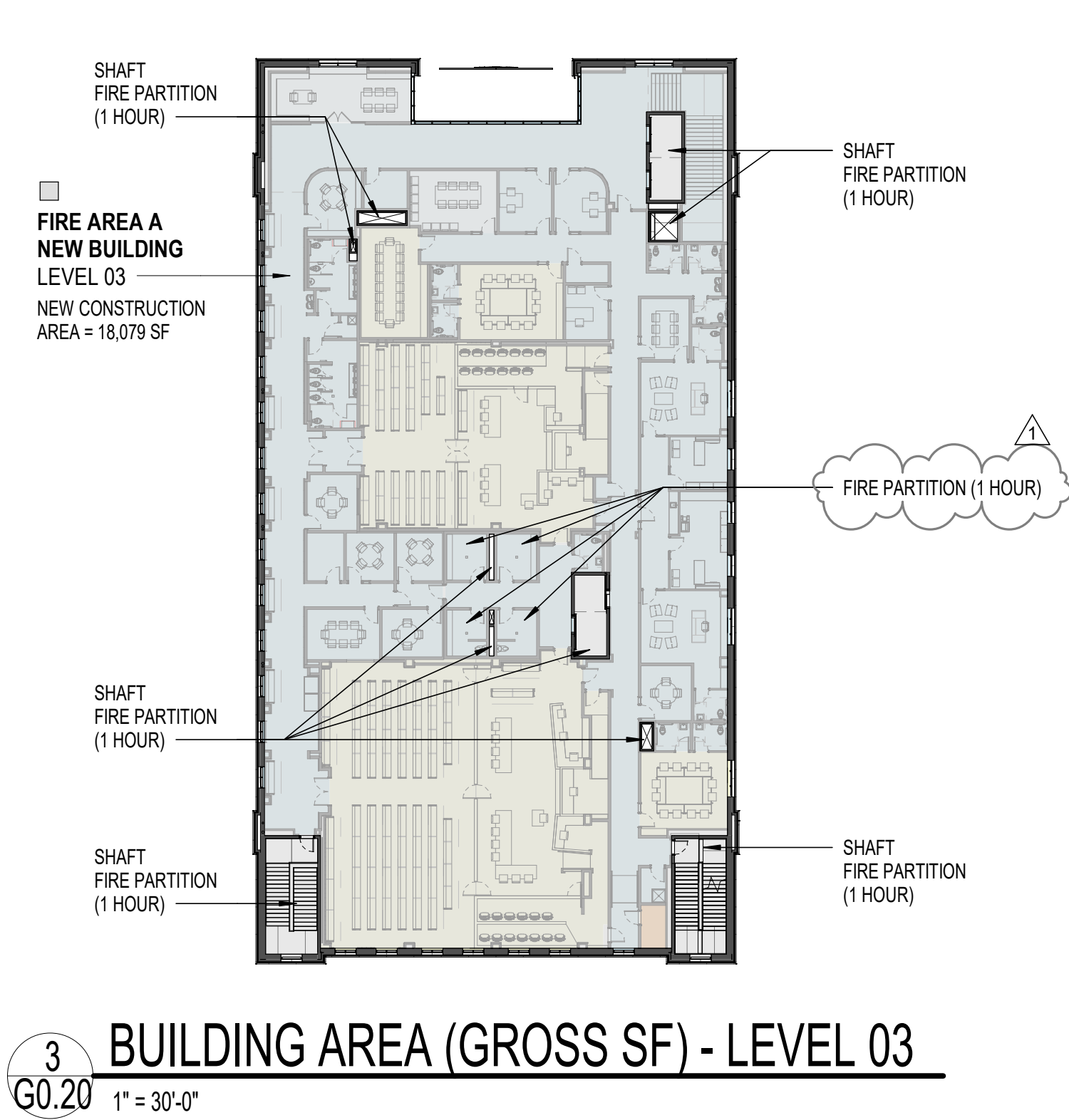
STRUCTURAL DESIGN *SEE SHEET S0.02 / S0.03
DESIGN LOADS:
Importance Factors: Snow (I_s) -
Seismic (I_e) -
Live Loads: Roof - psf
Mezzanine - psf
Floor - psf
Ground Snow Load: - psf
Wind Load: Ultimate Wind Speed - mph (ASCE-7)
Exposure Category -
SEISMIC DESIGN CATEGORY: [] A [] B [] C [] D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) [] I [] II [] III [] IV
Spectral Response Acceleration S_s - %g S₁ - %g
Site Classification (ASCE 7) [] A [] B [] C [] D [] E [] F
Data Source: [] Field Test [] Presumptive [] Historical Data
Basic structural system [] Bearing Wall [] Dual w/Special Moment Frame
[] Building Frame [] Dual w/Intermediate R/C or Special Steel
[] Moment Frame [] Inverted Pendulum
[] Simplified [] Equivalent Lateral Force [] Dynamic
Architectural, Mechanical, Components anchored? [] Yes [] No
LATERAL DESIGN CONTROL: [] Earthquake [] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) - psf
Presumptive Bearing capacity - psf
Pile size, type, and capacity -

ENERGY SUMMARY
ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.
Existing building envelope complies with code: [] No [] Yes (The remainder of this section is not applicable)
Exempt Building: [] No [] Yes (Provide code or statutory reference)
Climate Zone: [] 3A [] 4A [] 5A
Method of Compliance: Energy Code [] Performance [] Prescriptive
ASHRAE 90.1 [] Performance [] Prescriptive
(If "Other" specify here)

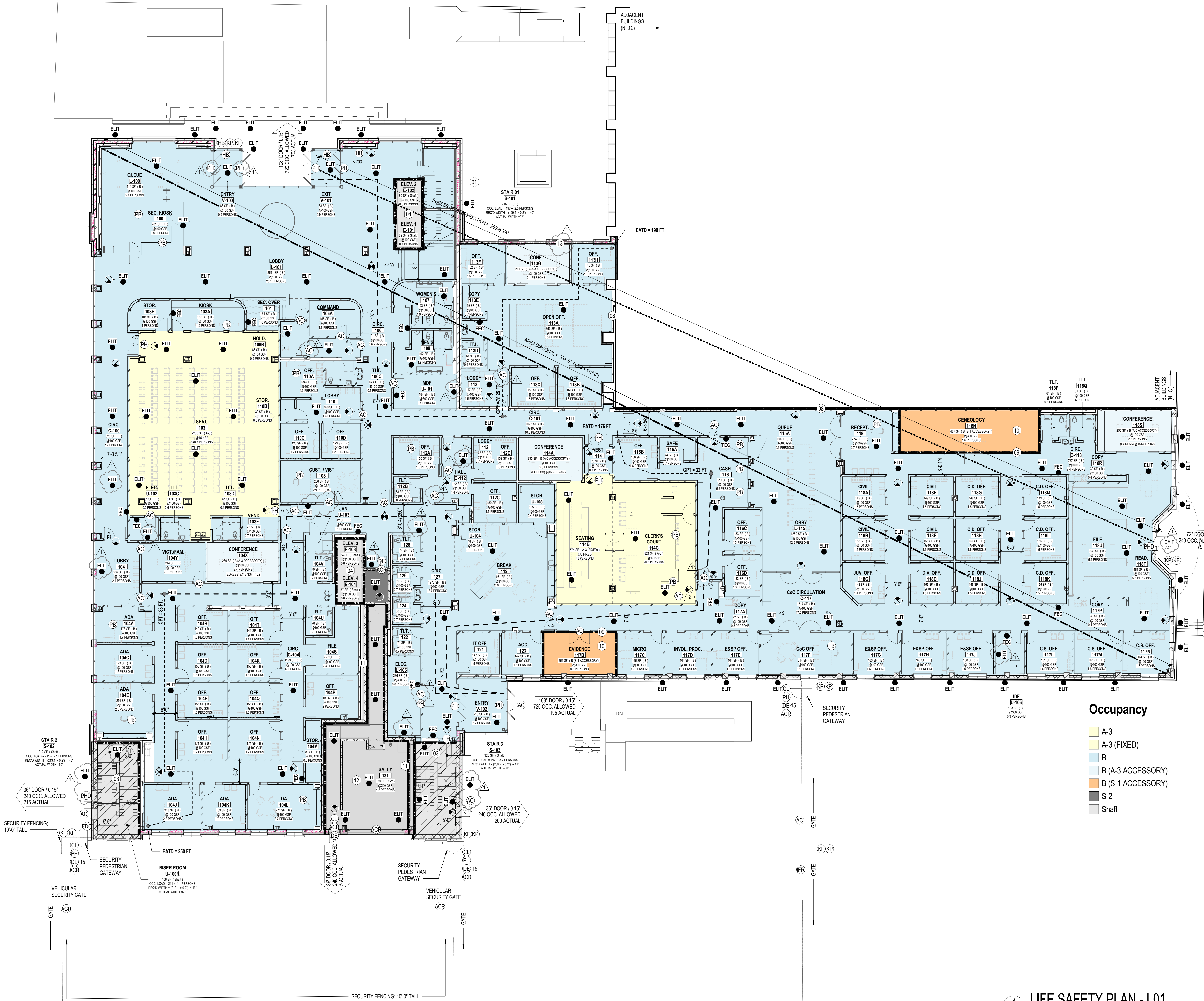
THERMAL ENVELOPE (Prescriptive method only)
Roof/Ceiling Assembly (each assembly)
Description of assembly: INSULATION ABOVE ROOF DECK
U-Value of total assembly: -
R-Value of insulation: R-30ci
Skylights in each assembly: -
U-Value of skylight: -
Total square footage of skylights in each assembly: -
Exterior Walls (each assembly)
Description of assembly: METAL FRAMED
U-Value of total assembly: R-13 + R-7.5ci
R-Value of insulation: - or > 7.5
Openings (windows or doors with glazing)
U-Value of assembly: -
Solar heat gain coefficient: -
Projection factor: -
Door R-Values: -
Walls below grade (each assembly)
Description of assembly: CMU AND CONCRETE
U-Value of total assembly: -
R-Value of total assembly: 7.5ci
Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: -
R-Value of total assembly: -
Floors slab on grade
Description of assembly: MONOLITHIC AND FLOATING SLABS
U-Value of total assembly: -
R-Value of insulation: R-15 for 24"
Horizontal/vertical requirement: LESSER OF THE TWO: BOT. OF FND. WALL OR 24" B.F.F.
Slab heated: N/A

MECHANICAL DESIGN *SEE SHEET M0.00
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: -
summer dry bulb: -
interior design conditions
winter dry bulb: -
summer dry bulb: -
relative humidity: -
Building heating load: -
Building cooling load: -
Mechanical Spacing Conditioning System
Unitary
description of unit: -
heating efficiency: -
cooling efficiency: -
size category of unit: -
Boiler
Size category, if oversized, state reason: -
Chiller
Size category, if oversized, state reason: -
List equipment efficiencies: -

ELECTRICAL DESIGN *SEE SHEET E0.00
ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance: Energy Code: [] Prescriptive [] Performance
ASHRAE 90.1: [] Prescriptive [] Performance
Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed
Additional Efficiency Package Options
(When using the 2018 NEC C; not required for ASHRAE 90.1)
[] C406.2 More Efficient HVAC Equipment Performance
[] C406.3 Reduced Lighting Power Density
[] C406.4 Enhanced Digital Lighting Controls
[] C406.5 On-Site Renewable Energy
[] C406.6 Dedicated Outdoor Air System
[] C406.7 Reduced Energy Use in Service Water Heating



LIFE SAFETY OCCUPANCY SCHEDULE					
OCCUPANCY	FUNCTION	OCCUPANT FACTOR	OCCUPANT TYPE	AREA	OCC. LOAD
FIRE AREA A					
LEVEL 01					
A-3	Assembly (Unconcentrated - tables & chairs)	15	NSF	2230 SF	148.7
A-3	Courtooms (not fixed seating)	40	NSF	421 SF	20.5
A-3 (FIXED)	Assembly - Fixed Seats	48	FIXED	574 SF	48
B	Accessory Storage, Mech. Equip. Room	300	GSF	<varies>	3.1
B	Business	100	GSF	<varies>	279.2
B (A-3 ACCESSORY)	Business	100	GSF	<varies>	9.4
B (S-1 ACCESSORY)	Accessory Storage, Mech. Equip. Room	300	GSF	<varies>	2.4
S-2	Parking Garages	200	GSF	68 SF	0.3
Shaft	Business	100	GSF	<varies>	9.3
LEVEL 01					520.8
LEVEL 02					
A-3	Assembly (Unconcentrated - tables & chairs)	15	NSF	<varies>	47.8
A-3	Courtooms (not fixed seating)	40	NSF	<varies>	69.4
A-3 (FIXED)	Assembly - Fixed Seats	<varies>	FIXED	<varies>	285
A-3 (FIXED)	Business	<varies>	GSF	<varies>	119
B	Accessory Storage, Mech. Equip. Room	300	GSF	<varies>	0.6
B	Business	100	GSF	<varies>	98.6
B (S-2 ACCESSORY)	Accessory Storage, Mech. Equip. Room	300	GSF	60 SF	0.2
Shaft	Business	100	GSF	<varies>	9.3
LEVEL 02					609.9
LEVEL 03					
A-3	Assembly (Unconcentrated - tables & chairs)	15	NSF	<varies>	72.8
A-3	Courtooms (not fixed seating)	40	NSF	<varies>	69.4
A-3 (FIXED)	Assembly - Fixed Seats	<varies>	FIXED	<varies>	384
A-3 (FIXED)	Business	<varies>	GSF	<varies>	1
B	Accessory Storage, Mech. Equip. Room	300	GSF	<varies>	96.9
B	Business	100	GSF	<varies>	42.8
B (A-3 ACCESSORY)	Assembly (Unconcentrated - tables & chairs)	15	NSF	<varies>	0.2
B (S-1 ACCESSORY)	Accessory Storage, Mech. Equip. Room	300	GSF	60 SF	0.2
Shaft	Business	100	GSF	<varies>	9.3
LEVEL 03					675.4
FIRE AREA A					
LEVEL 01					1806.2
FIRE AREA B					
LEVEL 01					
S-2	Parking Garages	200	GSF	839 SF	4.2
LEVEL 01					4.2
FIRE AREA B					1810.4



GENERAL NOTES

- DIMENSIONS ARE FROM:
A. EXTERIOR METAL STUD WALLS, EXT. SHEATHING
B. CMU MASONRY, FACE OF CMU (EXTERIOR FACE AT EXTERIOR CMU)
C. INTERIOR WALLS TO FACE OF STUD
D. CURTAINWALL (CW) AND STONEFRONT (SF) DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO.
E. DOORS/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING.
F. DOORS/OPENINGS IN METAL STUD WALLS DIMENSIONED TO ROUGH OPENING.
G. "F" DENOTES DIMENSION FROM FINISH.
H. "FF" DENOTES DIMENSION FROM FINISH TO FINISH.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- OBTAIN ALL PERMITS REQUIRED.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

LIFE SAFETY LEGEND

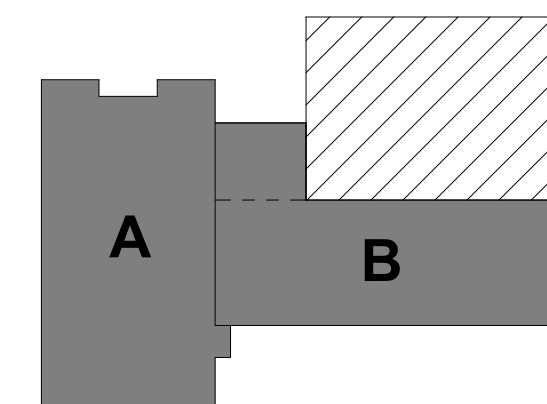
ROOM NAME (101A) 100 SF (100) (100) 1000 GSF (1000) (EGRESS) (1000) (1000) (1000)	OCCUPANCY ROOM TAG AREA (OCCUPANCY TYPE) OCCUPANT LOAD (BUILDING) OCCUPANT LOAD (EGRESS)
XX" DOOR / 0.2" XXX OCC. ALLOWED XXX ACTUAL	DOOR SIZE / DOOR CODE FACTOR MAX EGRESS CAPACITY ACTUAL EGRESS LOAD
#	AGGREGATE EGRESS OCCUPANCY AMOUNT AT THIS LOCATION.
PH	PANIC HARDWARE
PHD	PANIC HARDWARE DETECTS EMERGENCY USE ONLY SIGNAGE ON BAR
HB	HANDICAP DOOR OPERATOR WALL MOUNTED SWITCH
PB	PANIC BUTTON
CL	DOOR CLOSER
# DE	DELAYED EGRESS PANIC HARDWARE NUMBER INDICATES LENGTH OF DELAY IN SECONDS
AC	ACCESS CONTROL - LOCALIZED
ACR	ACCESS CONTROL - REMOTE
KF	KNOX BOX - FIRE DEPARTMENT
KP	KNOX BOX - POLICE DEPARTMENT
IFR	INFRARED RELEASE ACTIVATION
FDC	FIRE DEPARTMENT CONNECTION
HDO	SMOKE DOOR - CLOSERS ON FIRE ALERT
FE	FIRE EXTINGUISHER - SURFACE MOUNTED
FEC	FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
FAP	FIRE ALARM PULL STATION - NOTE 1
FAH	FIRE ALARM HORN (AUDIO/VISUAL TYPE) - NOTE 1
EXT	EXT. SIGN - NOTE 1
EXT	EXT. SIGN/EMERGENCY LIGHT - NOTE 1
ELT	EMERGENCY LIGHT - NOTE 1
EATD	EGRESS TRAVEL DISTANCE (N.C.B.C. 1017)
CPT	COMMON PATH OF TRAVEL (N.C.B.C. 1006.2.1)
1 HOUR FIRE SEPARATION	
2 HOUR FIRE SEPARATION	
AREA DIAGONAL 25'-0" (x 1/2 = 91'-0")	
REQUIRED EGRESS DOOR SEPARATION	
EGRESS DOOR SEPARATION 25'-0"	
ACTUAL EGRESS DOOR SEPARATION	

- NOTES:
- SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.
 - STENCIL ALL RATED WALLS EVERY 15' - 30' FT. IN MINIMUM 2" HIGH LETTERING INDICATING THE RATING AND PURPOSE OF THE WALL (I.E. FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION).
 - ALL DOOR ELECTRICAL HARDWARE TO BE COORDINATED W/ ELECTRICAL DRAWINGS.

LIFE SAFETY KEYNOTES

- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 1 TO LEVEL 2 (N.C.B.C. 1003.2.4)
- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 2 TO LEVEL 3 (N.C.B.C. 1003.2.4)
- ENCLOSED INTERIOR EXIT STAIRWAY - 1 HOUR FIRE BARRIER U/L# U905.
- ELEVATOR SHAFT - 1 HOUR FIRE BARRIER U/L# U905.
- VERTICAL SHAFT - LEVEL 3 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U415.
- VERTICAL SHAFT - LEVEL 2 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U415.
- VERTICAL SHAFT - LEVEL 1 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U415.
- FIRE WALL - 2 HOUR RATED; U/L# U905.
- FIRE BARRIER - 1 HOUR RATED; U/L# U415.
- FIRE RATED CEILING THIS ROOM - 1 HOUR; U/L# I506.
- FIRE WALL - 2 HOUR RATED; U/L# U905; CONTINUOUS AROUND FIRE AREA & TO INT. SIDE OF SHEATHING ON EXTERIOR WALLS AND TO BOTTOM OF FLOOR DECK ABOVE.
- FIRE RATED FLOOR/CEILING ASSEMBLY ABOVE THIS ROOM - 2 HOUR RATED; U/L# I506; CONTINUOUS TO FIRE WALL; FIRE RATE ALL PENETRATIONS AND FIRE SEAL WALL AT CEILING PERIMETER.
- FIRE PARTITION - 2 HOUR RATED; U/L# U424.

KEYPLAN



1
G0.31
3/32" = 1'-0"

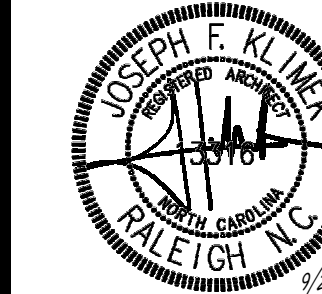
LIFE SAFETY PLAN - L01

FRANKLIN JUDICIAL CENTER

FRANKLIN COUNTY

W. NASH ST.

LOUISBURG, NC 27549

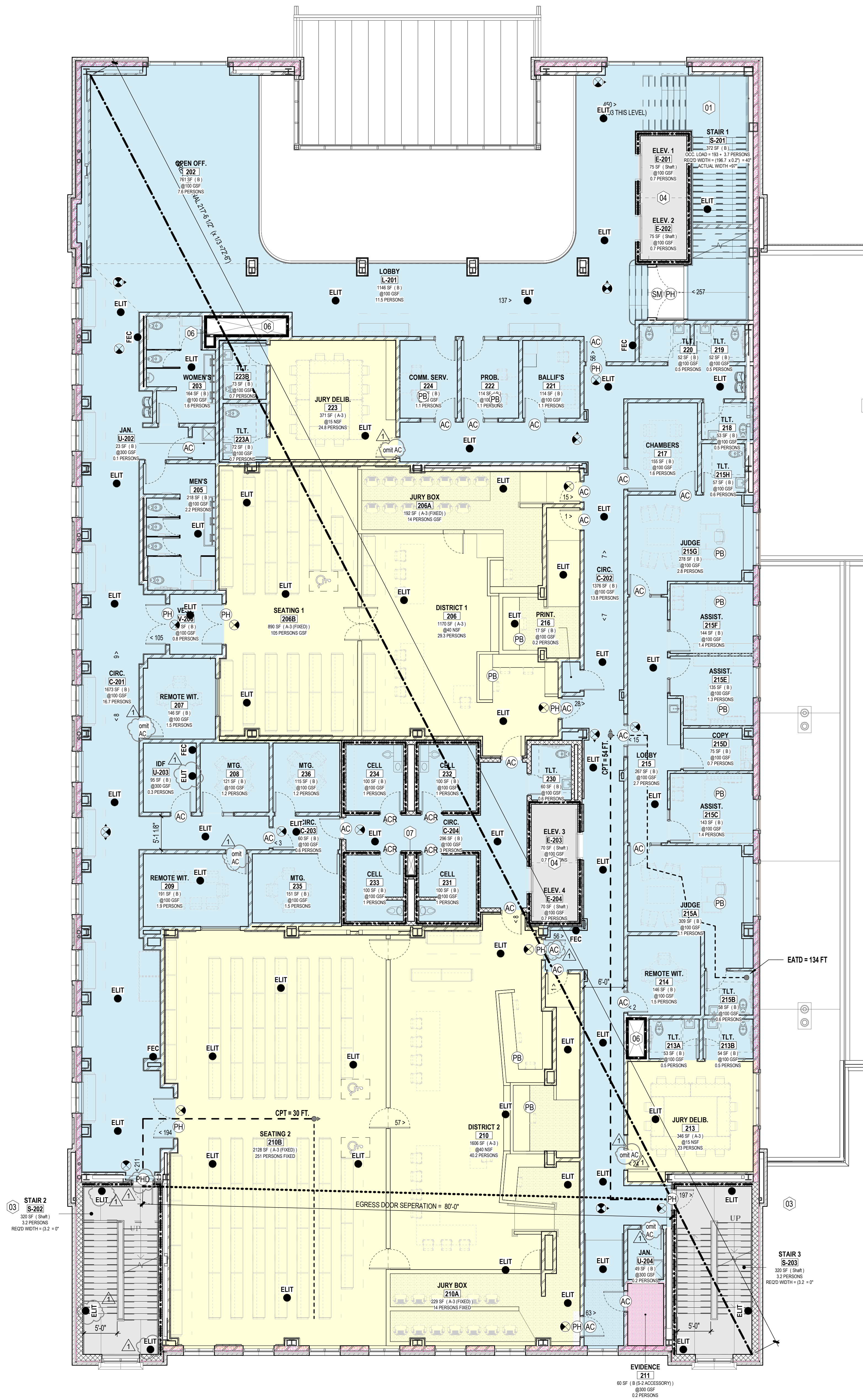


GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions
1. Description Date
1. BID SET - Add 1 9/12/2025

Date
09/02/25
Project No.
21054
Sheet No.
G0.31
Checked By
AWC
LIFE SAFETY - LEVEL 01

LIFE SAFETY OCCUPANCY SCHEDULE - LEVEL 02						
Number	Name	FUNCTION	OCCUPANT FACTOR		AREA	OCC. LOAD
				TYPE		
A-3						
213	JURY DELIBERATION 2	Assembly (Unconcentrated - tables & chairs)	15	NSF	346 SF	23
223	JURY DELIBERATION 1	Assembly (Unconcentrated - tables & chairs)	15	NSF	371 SF	24.8
210	DISTRICT COURT 2	Courtrooms (not fixed seating)	40	NSF	1806 SF	40.2
206	DISTRICT COURT 1	Courtrooms (not fixed seating)	40	NSF	1170 SF	29.3
A-3 (A)						117.2
A-3 (FIXED)						
210B	SEATING 2	Assembly - Fixed Seats	251	FIXED	2128 SF	251
210A	JURY BOX	Assembly - Fixed Seats	14	FIXED	229 SF	14
206B	SEATING 1	Business	105	GSF	890 SF	105
206A	JURY BOX	Business	14	GSF	192 SF	14
A-3 (FIXED): 4						384
B						
U-202	JANITORS	Accessory Storage, Mech. Equip. Room	300	GSF	23 SF	0.1
U-204	JANITORS	Accessory Storage, Mech. Equip. Room	300	GSF	49 SF	0.2
U-203	IDF	Accessory Storage, Mech. Equip. Room	300	GSF	95 SF	0.3
S-201	STAIR 1	Business	100	GSF	372 SF	3.7
L-201	LOBBY	Business	100	GSF	1146 SF	11.5
207	REMOTE WITNESS	Business	100	GSF	148 SF	1.5
V-206	VESTIBULE	Business	100	GSF	62 SF	0.8
208	MTG ROOM	Business	100	GSF	121 SF	1.2
209	REMOTE WITNESS	Business	100	GSF	191 SF	1.9
236	MTG ROOM (SECURE)	Business	100	GSF	115 SF	1.2
234	HOLDING CELL	Business	100	GSF	100 SF	1
232	HOLDING CELL	Business	100	GSF	100 SF	1
231	HOLDING CELL	Business	100	GSF	100 SF	1
233	HOLDING CELL	Business	100	GSF	100 SF	1
235	MTG ROOM (SECURE)	Business	100	GSF	151 SF	1.5
C-203	CIRCULATION	Business	100	GSF	60 SF	0.6
C-204	CIRCULATION	Business	100	GSF	296 SF	3
230	TOILET	Business	100	GSF	60 SF	0.6
C-202	CORRIDOR	Business	100	GSF	1376 SF	13.8
213A	TOILET	Business	100	GSF	53 SF	0.5
213B	TOILET	Business	100	GSF	54 SF	0.5
215B	TOILET	Business	100	GSF	58 SF	0.6
214	CHILDREN'S WITNESS (REMOTE)	Business	100	GSF	148 SF	1.5
215A	JUDGE OFFICE	Business	100	GSF	309 SF	3.1
215C	JUDGE ASSISTANT OFFICE	Business	100	GSF	143 SF	1.4
215F	JUDGE ASSISTANT OFFICE	Business	100	GSF	144 SF	1.4
215E	JUDGE OFFICE	Business	100	GSF	278 SF	2.8
215	LOBBY	Business	100	GSF	267 SF	2.7
215H	TOILET	Business	100	GSF	57 SF	0.6
217	JUDGE'S CHAMBERS	Business	100	GSF	155 SF	1.6
218	TOILET	Business	100	GSF	53 SF	0.5
219	TOILET	Business	100	GSF	52 SF	0.5
220	TOILET	Business	100	GSF	52 SF	0.5
222	PROBATION	Business	100	GSF	114 SF	1.1
224	COMMUNITY SERVICE	Business	100	GSF	114 SF	1.1
228B	TOILET	Business	100	GSF	73 SF	0.7
223A	TOILET	Business	100	GSF	72 SF	0.7
216	PRINTER CLOSET	Business	100	GSF	17 SF	0.2
215D	WORKCOPY	Business	100	GSF	75 SF	0.7
215E	JUDGE ASSISTANT OFFICE	Business	100	GSF	135 SF	1.3
221	BALFF'S OFFICE	Business	100	GSF	114 SF	1.1
203	TOILET (WOMEN'S)	Business	100	GSF	164 SF	1.6
205	TOILET (MENS)	Business	100	GSF	218 SF	2.2
C-201	CORRIDOR	Business	100	GSF	1673 SF	16.7
202	OPEN OFFICE (PUBLIC)	Business	100	GSF	761 SF	7.6
B-45						99.2
B (S-2 ACCESSORY)						
211	EVIDENCE STORAGE	Accessory Storage, Mech. Equip. Room	300	GSF	60 SF	0.2
B (S-2 ACCESSORY): 1						0.2
Shaft						
E-201	ELEV. 1	Business	100	GSF	75 SF	0.7
E-202	ELEV. 2	Business	100	GSF	75 SF	0.7
E-203	ELEV. 3	Business	100	GSF	70 SF	0.7
E-204	ELEV. 4	Business	100	GSF	70 SF	0.7
S-203	STAR 3	Business	100	GSF	320 SF	3.2
S-202	STAR 2	Business	100	GSF	320 SF	3.2
Shaft: 6						9.3
GRAND TOTAL						809.9



Occupancy

- A-3
- A-3 (FIXED)
- B
- B (S-2 ACCESSORY)
- Shaft

GENERAL NOTES

- DIMENSIONS ARE FROM:
 - A. EXTERIOR METAL STUD WALLS, EXT. SHEATHING
 - B. CMU MASONRY, FACE OF CMU EXTERIOR FACE AT EXTERIOR CMU
 - C. INTERIOR WALLS TO FACE OF STUD
 - D. CURTAINWALL LOW AND STONEWORK (SF DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO.
 - E. DOORS/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING.
 - F. DOORS/OPENINGS IN METAL STUD WALLS DIMENSIONED TO ROUGH OPENING.
 - G. "F" DENOTES DIMENSION FROM FINISH.
 - H. "F" DENOTES DIMENSION FROM FINISH TO FINISH.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- OBTAIN ALL PERMITS REQUIRED.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

LIFE SAFETY LEGEND

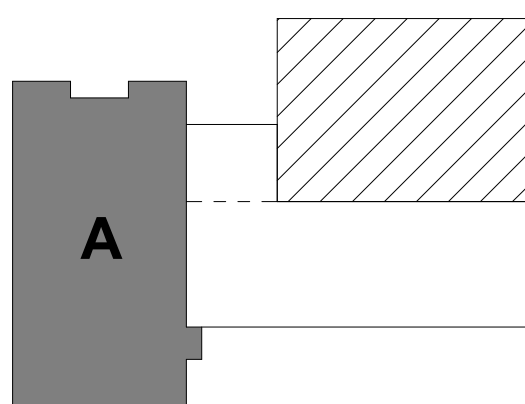
- ROOM NAME (101A)
100 SF (L.S. Occupancy Type)
PERSONS
(EGRESS) GSF GSF PERMITTED ###
- OCCUPANCY ROOM TAG
AREA (OCCUPANCY TYPE)
OCCUPANT LOAD (BUILDING)
OCCUPANT LOAD (EGRESS)
- XX" DOOR / 0.2"
XXX OCC. ALLOWED
XXX ACTUAL
- DOOR SIZE / DOOR CODE FACTOR
MAX EGRESS CAPACITY
ACTUAL EGRESS LOAD
- ## > AGGREGATE EGRESS OCCUPANCY AMOUNT AT THIS LOCATION.
- PH PANIC HARDWARE
PHD PANIC HARDWARE DETECTS
EMERGENCY USE ONLY SIGNAGE ON BAR
PHD DOOR OPERATOR WALL MOUNTED SWITCH
- PB PANIC BUTTON
- CL DOOR CLOSER
- # DE DELAYED EGRESS PANIC HARDWARE
NUMBER INDICATES LENGTH OF DELAY IN SECONDS
- AC ACCESS CONTROL - LOCALIZED
- ACR ACCESS CONTROL - REMOTE
- KF KNOX BOX - FIRE DEPARTMENT
- KP KNOX BOX - POLICE DEPARTMENT
- IFR INFRARED RELEASE ACTIVATION
- FDC FIRE DEPARTMENT CONNECTION
- HO SMOKE DOOR - CLOSERS ON FIRE ALERT
- FE FIRE EXTINGUISHER - SURFACE MOUNTED
- FEC FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
- FAP FIRE ALARM PULL STATION - NOTE 1
- FAH FIRE ALARM HORN (AUDIOVISUAL TYPE) - NOTE 1
- EXT SIGN - NOTE 1
- EXT SIGN/EMERGENCY LIGHT - NOTE 1
- ELIT EMERGENCY LIGHT - NOTE 1
- EATD EGRESS TRAVEL DISTANCE (NCBC 1017)
- CPT COMMON PATH OF TRAVEL (NCBC 1006.2.1)
- 1 HOUR FIRE SEPARATION
- 2 HOUR FIRE SEPARATION
- AREA DIAGONAL 25'-0" (x 12' = 91'-0")
- REQUIRED EGRESS DOOR SEPARATION
- EGRESS DOOR SEPARATION 25'-0"
- ACTUAL EGRESS DOOR SEPARATION

- NOTES:
- SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.
 - STENCIL ALL RATED WALLS EVERY 15' - 30' FT. IN MINIMUM 2 INCH LETTERING INDICATING THE RATING AND PURPOSE OF THE WALL (I.E. FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION).
 - ALL DOOR ELECTRICAL HARDWARE TO BE COORDINATED W/ ELECTRICAL DRAWINGS.

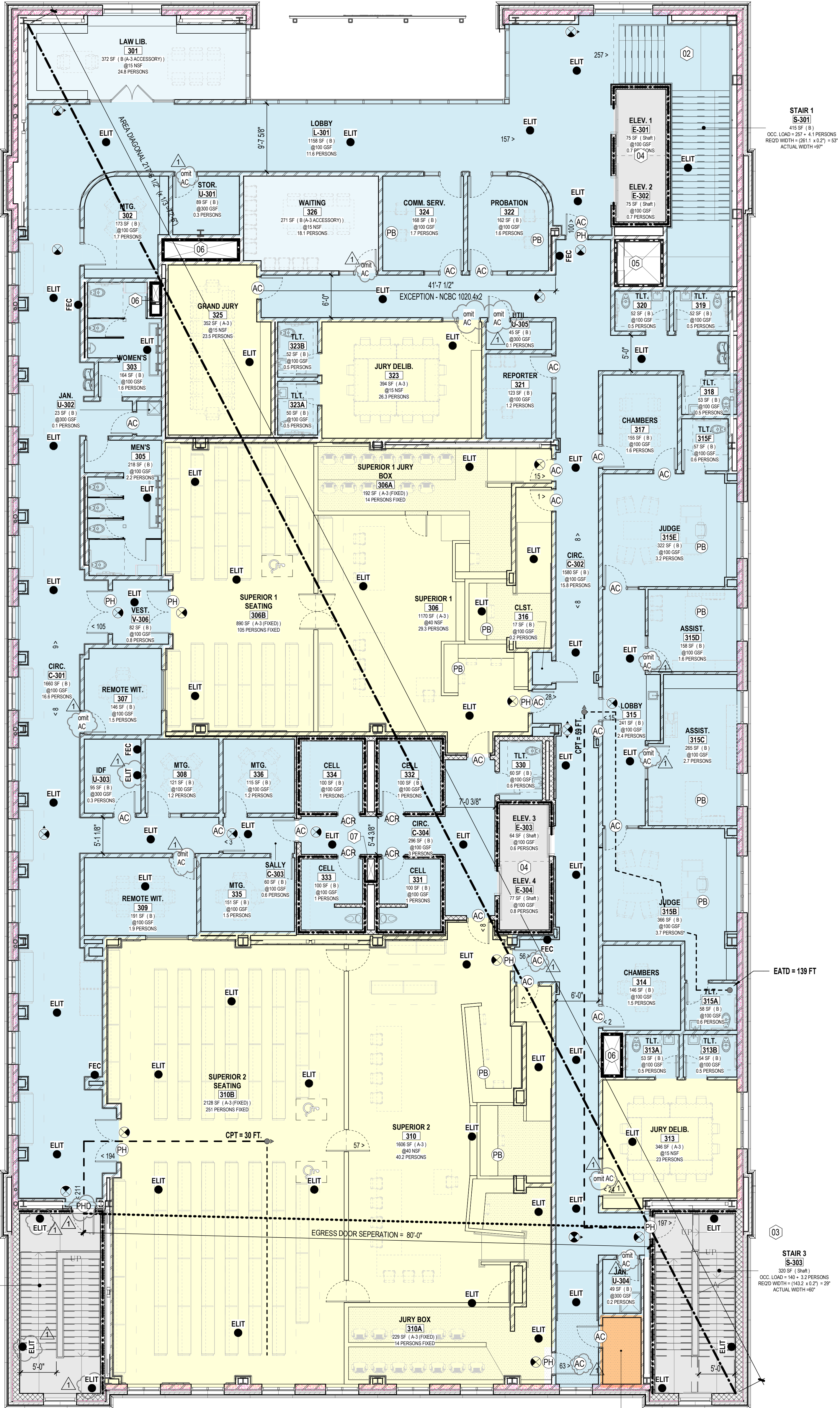
LIFE SAFETY KEYNOTES

- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 1 TO LEVEL 2 (NCBC 1023.2.4)
- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 2 TO LEVEL 3 (NCBC 1023.2.4)
- ENCLOSED INTERIOR EXIT STAIRWAY - 1 HOUR FIRE BARRIER U/L# U905.
- ELEVATOR SHAFT - 1 HOUR FIRE BARRIER U/L# U905.
- VERTICAL SHAFT - LEVEL 3 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U415.
- VERTICAL SHAFT - LEVEL 2 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U415.
- VERTICAL SHAFT - LEVEL 3 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L# U405.
- FIRE WALL - 2 HOUR RATED; U/L# U905.
- FIRE BARRIER - 1 HOUR RATED; U/L# U419.
- FIRE RATED CEILING THIS ROOM - 1 HOUR; U/L# I506.
- FIRE WALL - 2 HOUR RATED; U/L# U905 CONTINUOUS AROUND FIRE AREA 8 TO INT. SIDE OF SHEATHING ON EXTERIOR WALLS AND TO BOTTOM OF FLOOR DECK ABOVE.
- FIRE RATED FLOOR/CEILING ASSEMBLY ABOVE THIS ROOM - 2 HOUR RATED; U/L# I514 CONTINUOUS TO FIRE WALL; FIRE RATE ALL PENETRATIONS AND FIRE SEAL WALL AT CEILING PERIMETER.
- FIRE PARTITION - 2 HOUR RATED; U/L# U424.

KEYPLAN



LIFE SAFETY OCCUPANCY SCHEDULE - LEVEL 03						
Number	Name	FUNCTION	OCCUPANT FACTOR	TYPE	AREA	OCC. LOAD
A-3						
325	GRAND JURY	Assembly (Unconcentrated - tables & chairs)	15	NSF	352 SF	23.5
323	JURY DELIBERATION	Assembly (Unconcentrated - tables & chairs)	15	NSF	344 SF	23.3
313	JURY DELIBERATION 2	Assembly (Unconcentrated - tables & chairs)	15	NSF	346 SF	23
310	SUPERIOR COURT 2	Courtrooms (not fixed seating)	40	NSF	1606 SF	40.2
306	SUPERIOR COURT 1	Courtrooms (not fixed seating)	40	NSF	1170 SF	29.3
A-3.5						142.2
A-3 (FIXED)						
310B	SUPERIOR 2 SEATING	Assembly - Fixed Seats	251	FIXED	2128 SF	251
310A	JURY BOX	Assembly - Fixed Seats	14	FIXED	229 SF	14
308	SUPERIOR 1 SEATING	Assembly - Fixed Seats	105	FIXED	890 SF	105
306A	SUPERIOR 1 JURY BOX	Assembly - Fixed Seats	14	FIXED	192 SF	14
A-3 (FIXED) 4						384
9						
U-304	JANITORS	Accessory Storage, Mech. Equip. Room	300	GSF	48 SF	0.2
U-303	IDF	Accessory Storage, Mech. Equip. Room	300	GSF	95 SF	0.3
U-302	JANITORS	Accessory Storage, Mech. Equip. Room	300	GSF	23 SF	0.1
U-301	STORAGE	Accessory Storage, Mech. Equip. Room	300	GSF	89 SF	0.3
U-305	UTILITY	Accessory Storage, Mech. Equip. Room	300	GSF	45 SF	0.1
323B	TOILET	Business	100	GSF	52 SF	0.5
323A	TOILET	Business	100	GSF	50 SF	0.5
321	REPORTER'S OFFICE	Business	100	GSF	123 SF	1.2
322	PROBATION	Business	100	GSF	162 SF	1.6
324	COMMUNITY SERVICE	Business	100	GSF	168 SF	1.7
S-301	STAIR 1	Business	100	GSF	416 SF	4.1
307	REMOTE WITNESS	Business	100	GSF	146 SF	1.5
308	MTG ROOM	Business	100	GSF	121 SF	1.2
309	REMOTE WITNESS	Business	100	GSF	191 SF	1.9
336	MTG ROOM (SECURE)	Business	100	GSF	115 SF	1
334	HOLDING CELL	Business	100	GSF	100 SF	1
332	HOLDING CELL	Business	100	GSF	100 SF	1
331	HOLDING CELL	Business	100	GSF	100 SF	1
333	HOLDING CELL	Business	100	GSF	100 SF	1
335	MTG ROOM (SECURE)	Business	100	GSF	151 SF	1.5
C-303	SALLY PORT	Business	100	GSF	60 SF	0.6
C-304	CIRCULATION	Business	100	GSF	296 SF	3
330	TOILET	Business	100	GSF	60 SF	0.6
C-302	CORRIDOR	Business	100	GSF	1980 SF	15.6
314A	TOILET	Business	100	GSF	53 SF	0.5
313B	TOILET	Business	100	GSF	54 SF	0.5
315A	TOILET	Business	100	GSF	58 SF	0.6
314	JUDGE'S CHAMBERS	Business	100	GSF	146 SF	1.5
315B	JUDGE OFFICE	Business	100	GSF	366 SF	3.7
315C	JUDGE ASSISTANT OFFICE	Business	100	GSF	265 SF	2.7
315D	JUDGE ASSISTANT OFFICE	Business	100	GSF	158 SF	1.6
315E	JUDGE OFFICE	Business	100	GSF	322 SF	3.2
315	LOBBY	Business	100	GSF	241 SF	2.4
315F	TOILET	Business	100	GSF	57 SF	0.6
317	JUDGE'S CHAMBERS	Business	100	GSF	155 SF	1.6
316	TOILET	Business	100	GSF	53 SF	0.5
319	TOILET	Business	100	GSF	52 SF	0.5
320	TOILET	Business	100	GSF	52 SF	0.5
318	PRINTER CLOSET	Business	100	GSF	17 SF	0.2
C-301	CORRIDOR	Business	100	GSF	1660 SF	16.6
L-301	LOBBY	Business	100	GSF	1158 SF	11.6
303	TOILET (WOMEN'S)	Business	100	GSF	164 SF	1.6
305	TOILET (MEN'S)	Business	100	GSF	218 SF	2.2
K-306	VESTIBULE	Business	100	GSF	82 SF	0.8
302	MTG ROOM	Business	100	GSF	173 SF	1.7
B. 45						96.9
9 (A-3 ACCESSORY)						
326	GRAND JURY WAITING	Assembly (Unconcentrated - tables & chairs)	15	NSF	271 SF	18.1
301	LAW LIBRARY	Assembly (Unconcentrated - tables & chairs)	15	NSF	372 SF	24.8
9 (A-3 ACCESSORY) 2						42.8
9 (S-1 ACCESSORY)						
311	EVIDENCE STORAGE	Accessory Storage, Mech. Equip. Room	300	GSF	60 SF	0.2
9 (S-1 ACCESSORY) 1						0.2
Shaft						
S-301	ELEV. 1	Business	100	GSF	75 SF	0.7
E-302	ELEV. 2	Business	100	GSF	75 SF	0.7
E-303	ELEV. 3	Business	100	GSF	64 SF	0.6
E-304	ELEV. 4	Business	100	GSF	77 SF	0.8
S-303	STAIR 3	Business	100	GSF	320 SF	3.2
S-302	STAIR 2	Business	100	GSF	320 SF	3.2
Shaft 6						9.3
GRAND TOTAL						675.4



Occupancy

- A-3
- A-3 (FIXED)
- B
- B (A-3 ACCESSORY)
- B (S-1 ACCESSORY)
- Shaft

GENERAL NOTES

- DIMENSIONS ARE FROM:
 - A. EXTERIOR METAL STUD WALLS: EX. SHEATHING
 - B. CMU MASONRY: FACE OF CMU (EXTERIOR FACE AT EXTERIOR CMU)
 - C. INTERIOR WALLS TO FACE OF STUD
 - D. CURTAIN WALL (LOW AND STOREFRONT): (SF) DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO.
 - E. DOOR/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING
 - F. DOOR/OPENINGS IN METAL STUD WALLS DIMENSIONED TO ROUGH OPENING
 - G. "F" DENOTES DIMENSION FROM FINISH
 - H. "FF" DENOTES DIMENSION FROM FINISH TO FINISH
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- OBTAIN ALL PERMITS REQUIRED.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

LIFE SAFETY LEGEND

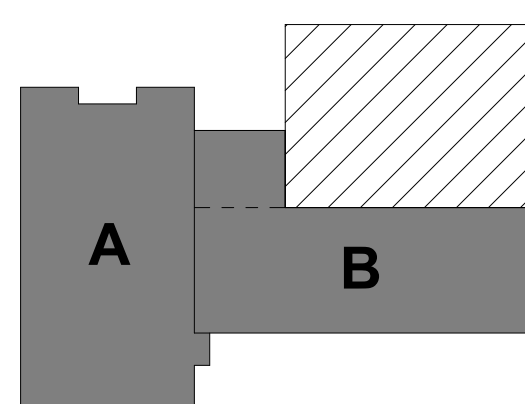
- ROOM NAME**
100 SF (L.S. Occupancy Type)
PERSONS
(EGRESS) ### GSF PER PERSON - ###
- OCCUPANCY ROOM TAG**
AREA (OCCUPANCY TYPE)
OCCUPANT LOAD (BUILDING)
OCCUPANT LOAD (EGRESS)
- XX" DOOR / 0.2" - DOOR SIZE / DOOR CODE FACTOR
XXX OCC. ALLOWED - MAX EGRESS CAPACITY
XXX ACTUAL - ACTUAL EGRESS LOAD
- #> - AGGREGATE EGRESS OCCUPANCY AMOUNT AT THIS LOCATION.
- PH - PANIC HARDWARE
PHD - PANIC HARDWARE DETECTS EMERGENCY USE ONLY SIGNAGE ON BAR
HB - HANDBELL - DOOR OPERATOR WALL-MOUNTED SWITCH
PB - PANIC BUTTON
CL - DOOR CLOSER
#DE - DELAYED EGRESS PANIC HARDWARE NUMBER INDICATES LENGTH OF DELAY IN SECONDS
AC - ACCESS CONTROL - LOCALIZED
ACR - ACCESS CONTROL - REMOTE
KF - KNOX BOX - FIRE DEPARTMENT
KP - KNOX BOX - POLICE DEPARTMENT
IFR - INFRARED RELEASE ACTIVATION
FDC - FIRE DEPARTMENT CONNECTION
HO - SMOKE DOOR - CLOSERS ON FIRE ALERT
- FE - FIRE EXTINGUISHER - SURFACE MOUNTED
FEC - FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
FAP - FIRE ALARM PULL STATION - NOTE 1
FAH - FIRE ALARM HORN (AUDIO/VISUAL TYPE) - NOTE 1
EXT - EXIT SIGN - NOTE 1
EXTS - EXIT SIGN/EMERGENCY LIGHT - NOTE 1
ELIT - EMERGENCY LIGHT - NOTE 1
EATD - EGRESS TRAVEL DISTANCE (NCBC 1017)
CPT - COMMON PATH OF TRAVEL (NCBC 1006.2.1)
- 1 HOUR FIRE SEPARATION
2 HOUR FIRE SEPARATION
- AREA DIAGONAL 25'-0" (x 12" = 91'-0")
REQUIRED EGRESS DOOR SEPARATION
EGRESS DOOR SEPARATION 25'-0"
ACTUAL EGRESS DOOR SEPARATION

- NOTES:**
- SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.
 - STENCIL ALL RATED WALLS EVERY 15" - 30" IN MINIMUM 2" INCH LETTERING INDICATING THE RATING AND PURPOSE OF THE WALL (I.E. FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION).
 - ALL DOOR ELECTRICAL HARDWARE TO BE COORDINATED W/ ELECTRICAL DRAWINGS.

LIFE SAFETY KEYNOTES

- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 1 TO LEVEL 2 (NCBC 1023.2.4)
- UNENCLOSED INTERIOR EXIT STAIRWAY - LEVEL 2 TO LEVEL 3 (NCBC 1023.2.3)
- ENCLOSED INTERIOR EXIT STAIRWAY - 1 HOUR FIRE BARRIER U/L U105.
- ELEVATOR SHAFT - 1 HOUR FIRE BARRIER U/L U105.
- VERTICAL SHAFT - LEVEL 3 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L U145.
- VERTICAL SHAFT - LEVEL 2 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L U145.
- VERTICAL SHAFT - LEVEL 3 TO BOT. OF ROOF DECK; FIRE BARRIER 1 HOUR RATED U/L U145.
- FIRE WALL - 2 HOUR RATED; U/L U105.
- FIRE BARRIER - 1 HOUR RATED; U/L U105.
- FIRE RATED CEILING THIS ROOM - 1 HOUR; U/L U106.
- FIRE WALL - 2 HOUR RATED; U/L U105; CONTINUOUS AROUND FIRE AREA B TO INT. SIDE OF SHEATHING ON EXTERIOR WALLS AND TO BOTTOM OF FLOOR DECK ABOVE.
- FIRE RATED FLOOR/CEILING ASSEMBLY ABOVE THIS ROOM - 2 HOUR RATED; U/L U14. CONTINUOUS TO FIRE WALL; FIRE RATE ALL PENETRATIONS AND FIRE SEAL WALL AT CEILING PERIMETER.
- FIRE PARTITION - 2 HOUR RATED; U/L U142.

KEYPLAN



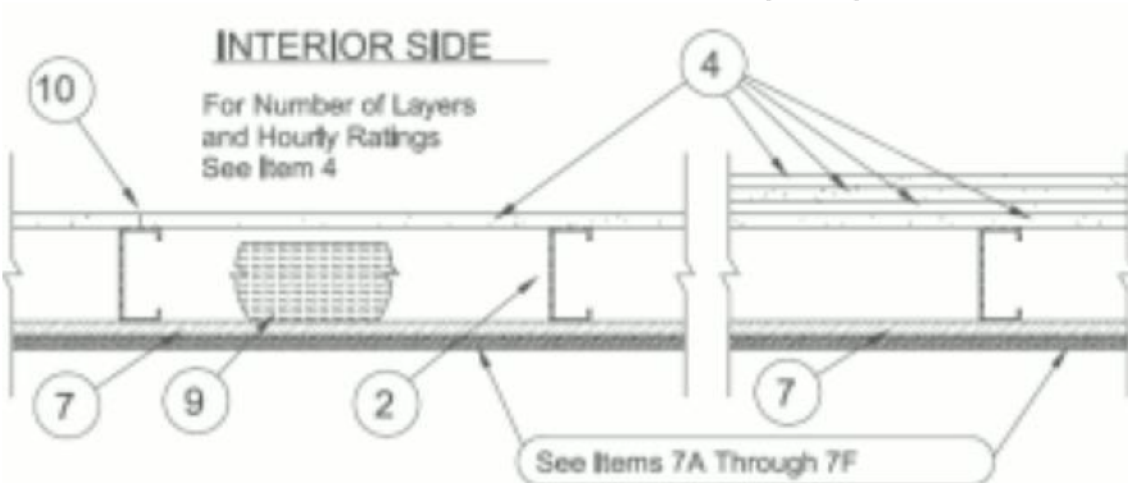
LIFE SAFETY PLAN - L03

1/8" = 1'-0"

Design No. U424
August 8, 2025

(Exposed to Fire on Interior Face Only)

Bearing and Non-Lead Wall Rating — 3/4, 1, 1-1/2 or 2 Hr. (See Items 4 and 9A)
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Floor and Ceiling Runners — (Not shown) — Channel shaped, fabricated from min 0.0329 in. thick, bare metal thickness (No. 20 MSG) 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.

2. Steel Studs — Min 0.0329 in. thick, bare metal thickness (No. 20 MSG) corrosion-protected steel studs, min 3-1/2 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 enhancing 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. (16 in. OC when Item 7B is used). 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.

2A. Steel Studs — (For Use With Items 4A, 4B, 4C, and 4D) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv. steel, 3-1/2 in. min. width, min. 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners.

3. 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.

4. 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 or horizontal butt joints on opposite sides of studs. Staggered a min of 12 in. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered with Type ULIX single layer system. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. When used in widths other than 48 in., gypsum panels to be installed horizontally. The thickness and number of layers and percent of design load for the 45 min, 1 hr, 1-1/2 hr, and 2 hr ratings are as follows:

Wallboard Protection on Interior Side of Wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Min	1 layer, 5/8 in. thick	100
1 hr	2 layers, 1/2 in. thick	100
1-1/2 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

CGC INC — 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, WRX or WRC; 3/4 in. thick Type AR, IP-AR, IP-X3, ULTRACODE, USGX (joint tape and compound, Item 10), optional for use with Type USGX.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/8 in. thick Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SOX, SHX, ULIX, ULX, WRX, WRC, USGX (joint tape and compound, Item 10), optional for use with Type USGX; 3/4 in. thick Types AR, IP-AR, IP-X3, ULTRACODE

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C, 5/8 in. Types C, SCX, ULTRACODE, SOX, USGX (Joint tape and compound, Item 10), optional for use with Type USGX

USG MEXICO S A DE CV — 1/2 in. thick Type C, IP-X2, IPC-AR, or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRX or WRC; 3/4 in. thick AR, IP-AR, IP-X3, ULTRACODE, USGX (Joint tape and compound, Item 10), optional for use with Type USGX.

4A. Gypsum Board* — (As an alternate to Item 4 when used as the base layer, for direct attachment only) - Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 2A, B. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).

RAY-BAR ENGINEERING CORP — Type RB-LBG

4B. Gypsum Board* — (As an alternate to Item 4 when used as the base layer, for direct attachment only). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DINA NELLO — Nello

4C. Gypsum Board* — (As an alternate to Item 4 when used as the base layer, for direct attachment only) - Nom 5/8 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 2A, B. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12A) or Lead Discs (see Item 13A).

MAVCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4D. Gypsum Board* — (As an alternate to Item 4 when used as the base layer, for direct attachment only). Nom 5/8 in. may be used as alternate to all 5/8 in. shown in Item 4, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 2A, B. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in., placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4E. Deleted.

4F. Gypsum Board* — As an alternate to Item 4 - For use with Item 9C) — Gypsum panels with beveled, square or tapered edges, applied vertically. 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. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies, outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC. The thickness and number of layers and percent of design load for the 45 min and 1-1/2 hr are as follows:

Wallboard Protection on Interior Side of Wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Min	1 layer, 5/8 in. thick	100
1-1/2 hr	2 layers, 5/8 in. thick	100

Wallboard Protection on Interior Side of Wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Min	1 layer, 5/8 in. thick	100
1-1/2 hr	2 layers, 5/8 in. thick	100

CGC INC — SCX, ULIX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — Type SCX, ULIX

USG BORAL DRYWALL SFZ LLC — Types SCX

USG MEXICO S A DE CV — Type SCX

4G. Gypsum Board* — As an alternate to Item 4 - For use with Item 9E) - Gypsum panels with beveled, square or tapered edges, applied vertically. 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. For 2 layer assemblies, inner layer will be attached to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC and outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC. For 3 layer assemblies, inner layers secured as described in 2 layer systems above, outer layer will be attached to studs over inner layers with 2-5/8 in. long steel screws spaced 8 in. OC. The thickness and number of layers and percent of design load for the 45 min and 1-1/2 hr are as follows:

Wallboard Protection on Interior Side of Wall

Rating	No. of Layers & Thkns of Panel	% of Design Load
45 Min	2 layers, 5/8 in. thick	100
1-1/2 hr	3 layers, 5/8 in. thick	100

CGC INC — SCX, ULIX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO — Type SCX, ULIX

USG BORAL DRYWALL SFZ LLC — Types SCX

USG MEXICO S A DE CV — Type SCX

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

6. Building Paper — (Not shown) — No. 15 asphalt felt or equivalent as required.

7. Gypsum Sheathing — For exterior walls, 1/2 or 5/8 in. thick exterior regular gypsum sheathing applied vertically or horizontally, attached to studs and runners with 1 in. long Type S12 steel screws spaced 12 in. OC along studs and runners. One or more of the following exterior facings shall be applied over the gypsum sheathing.

5A. Brick, Bldg or Stucco — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies. When a min 3-3/4 in. thick brick veneer facing is used, the rating is applicable for exposure on either side. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

B. Cementitious Backer Units* — 1/2 or 5/8 in. thick panels, attached to steel studs over gypsum sheathing with 1-5/8 in. long, Type S-12, corrosion resistant, wafer-head steel screws, spaced 8 in. OC. Studs spaced a max of 16 in. OC. Joints covered with glass fiber mesh tape.

UNITED STATES GYPSUM CO — Type DCB

C. Foamed Plastic* — Aged expanded polystyrene (EPS) board per ASTM C578, with a nom density not less than 1 pcf, R-value 3.8 min per in. with a flame spread of less than 25 and a smoke developed of less than 450, adhered to the gypsum sheathing (Item 7) or to the cementitious backer units (Item 7B) with USG Exterior Insulation Board Adhesive. See Foamed Plastic (BRXV and/or CCVV) Categories for names of Classified companies.

D. Foamed Plastic* — Polyisocyanurate foamed plastic insulation boards, any thickness. Classified in accordance with BRXV and/or CCVV.

ATLAS ROOFING CORP — EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield CGF Pro, EnergyShield Ply Pro, EnergyShield® CGF, EnergyShield® PanelCast, EnergyShield® and "EnergyShield® XR

DUPONT DE NEMOURS, INC. — Type ThermaX Sheathing, ThermaX Light Duty Insulation, ThermaX Heavy Duty Insulation, ThermaX Metal Building Board, ThermaX White Finish Insulation, ThermaX ci Exterior Insulation, ThermaX XANOR ci Exterior Insulation, ThermaX Hci Insulation, ThermaX Plus Inner Panel, ThermaX Heavy Duty Ply (HDP, TUFF-R™) ci Insulation, ThermaX Butler SkyWall Insulation Board and ThermaX Morton Heavy Duty Insulation Board

Holcim Solutions and Products US, LLC — "Evergrip" ci Foil Exterior Wall Insulation" and "Evergrip" ci Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Type "Xci-Class A", "Xci 286", "Xci Foil Class A", "Xci CG", "Xci Foil", "Xci CG NH", "Xci Foil NH"

RMAX, A BUSINESS UNIT OF Sika Corporation — Types "TSC-8500", "ECOMAXgi R", "TSC-8510", "ECOMAX ci R", "Thermalase-C", "ECOMAXci", "ECOMAXgi R Air Barrier", "Thermalaseh-XP", "Thermalaseh", "Duraseh"

JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"

E. Foamed Plastic* — Spray applied, foamed plastic insulation, at a minimum of 1 in. thick.

NCPI POLYURETHANES — NCFI 11-017, NCFI 11-016, NCFI 11-015

F. Foamed Plastic* — Spray applied, foamed plastic insulation, at a minimum of 1 in. thick.

BASF CORP — Enerlite® NM, Enerlite® G, FE178®, Spraytite® 178, Spraytite® 158, Spraytite® 200, Walthite® US, Walthite® US-N, FE137®, FE158®, Spraytite® 158, Spraytite® SP, Spraytite® 81205, Walthite® MAX, Walthite® LWP, Walthite® Plus, and Enerlite® Max

G. Building Units — Polyisocyanurate foamed plastic composite insulation boards, any thickness. Classified in accordance with B2X.

ATLAS ROOFING CORP — EnergyShield® Ply

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Type "Xci NB" and "Xci Ply"

RMAX, A BUSINESS UNIT OF Sika Corporation — "Thermalaseh-S", "ECOMAXgi R", "TSC-8510", "ECOMAXgi R Ply", "Thermalase-C", "ECOMAXci", "ECOMAXgi R Air Barrier", "Thermalaseh-XP", "Thermalaseh", "Duraseh"

LAMINATORS INC — Type "Omiga-C"

H. Foamed Plastic* — Expanded polystyrene insulation installed to a maximum nominal density of 2.0 lb/ft³.

BASF CORP STYRENIC FOAMS DIV — Types Neopor® GPS (Roofing Board), Neopor® GPS (EPS), Neopor® GPS (Stucco), Neopor® GPS (CI), Neopor® GPS (E), Neopor® GPS (Perma R-Chrome), Neopor® GPS (Termite Treated), Neopor® GPS (HALO Subterra), Neopor® GPS (Foundation PRO), Neopor® GPS (HALO Extra), Neopor® GPS (HALO Intera), Neopor® GPS (PET Pro Board), Neopor® GPS (PET Red Label), and Neopor® GPS (PET Chrome).

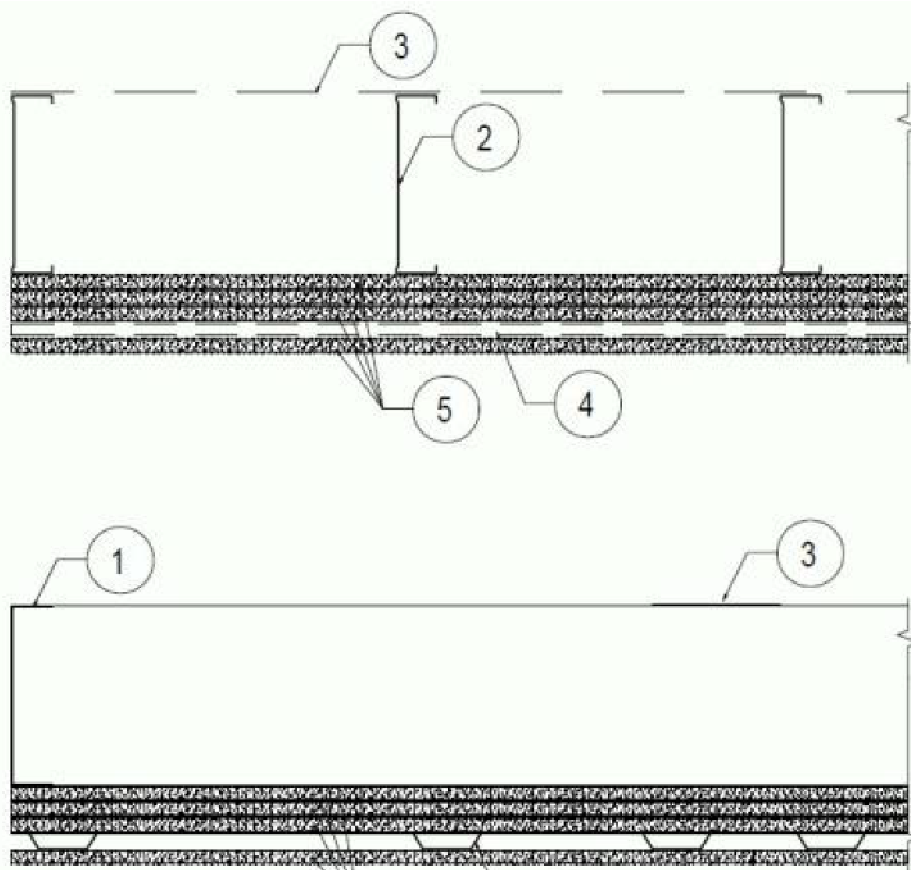
Design No. I514

April 4, 2025

Ceiling Membrane Rating — 2 Hr.

Load Restriction - Limited to the Dead Weight of the Assembly.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Perimeter Channels — C-Shaped runner min. 6 in. deep with min. 2 in. legs and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Perimeter channels attached to wall structure with fasteners spaced not greater than 24 in. OC at both the top and bottom of the vertical leg.

2. Steel Studs — Min 6 in. wide with min. 1-5/8 in. legs containing folded back flanges and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Studs to be cut 1/2 in. to 3/4 in. less than the span between the vertical legs of the perimeter channels. Studs spaced a max. 24 in. OC. At each end of the stud, the un-faced side shall be secured to the perimeter channel with one 1/2 in. long pan-head steel screw. Studs are used at each end of the horizontal barrier to terminate the assembly at the adjoining wall. These end joints shall be secured to the adjoining wall in the same manner as the joist track (Item 2).

3. Steel Strap — Min 4 in. wide formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Secured perpendicular to the studs at the centerline of the span using a 1/2 in. long pan-head steel screw. Strips to overlap one full stud bay at splice locations.

4. Resilient Channels — Formed from min 25 MSG galv steel installed perpendicular to steel studs spaced 16 in. OC. Channels overlapped 4 in. at splices and secured to steel framing members with 2-1/4 in. long Types S or S-12 steel screws after first, second and third layers of gypsum board are secured to steel studs. Two channels, spaced 3 in. from each gypsum board butt joint as shown on the illustration above.

4A. Furring Channels — (Alternate to Item 4A) — Hat shaped channels, 7/8 in. deep, formed from min 25 MSG galv steel installed perpendicular to steel framing members spaced 16 in. OC. Furring channels overlapped 2-1/2 in. at splices and secured to steel framing members with two 2-1/4 in. long Type S steel screws after first, second and third layers of gypsum board are secured to steel studs. Two channels, spaced 3 in. from each gypsum board butted end joint.

5. Gypsum Board* — Four layers of nom 5/8 in. thick, 4 ft wide gypsum board. First three layers installed with long dimension perpendicular to bottom flange of steel studs. Adjacent butt joints staggered approximately 4 ft OC. Overlapping layers installed so that the tapered edges are offset min 12 in. from previous layer. Base layer fastened to bottom flange of steel studs with 1-1/4 in. long Type S-12 steel screws spaced 12 in. OC. Second layer secured to bottom flange of steel studs with 2 in. long Type S-12 steel screws spaced 12 in. OC. Third layer secured to bottom flange of steel studs with 2-1/2 in. Type S-12 steel screws spaced 12 in. OC. Fourth layer secured to resilient or furring channels with 1-1/8 in. long Type S steel screws spaced 12 in. OC. Screws to be spaced 3 in. from butted end joints and 1 in. from tapered end joints.

AMERICAN GYPSUM CO — Type AG-C

UNITED STATES GYPSUM CO — Types C, IP-X2

CERTAINTED GYPSUM INC — Type C

NATIONAL GYPSUM CO — Types FSK-C, FSW-C, eX-C

6. Finishing System — (Not Shown) — Vinyl dry or premixed joint compound, applied in two coats to joints and screw heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board if specified by the manufacturer.

7. Supporting Structure — Suitable point of attachment for hanger wire (Item 8).

8. Hanger Wire — Nom. 12 SWG galv steel wire, twist-tied or fastened to supporting structure. Located 24 in. OC along steel studs.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2025-04-04

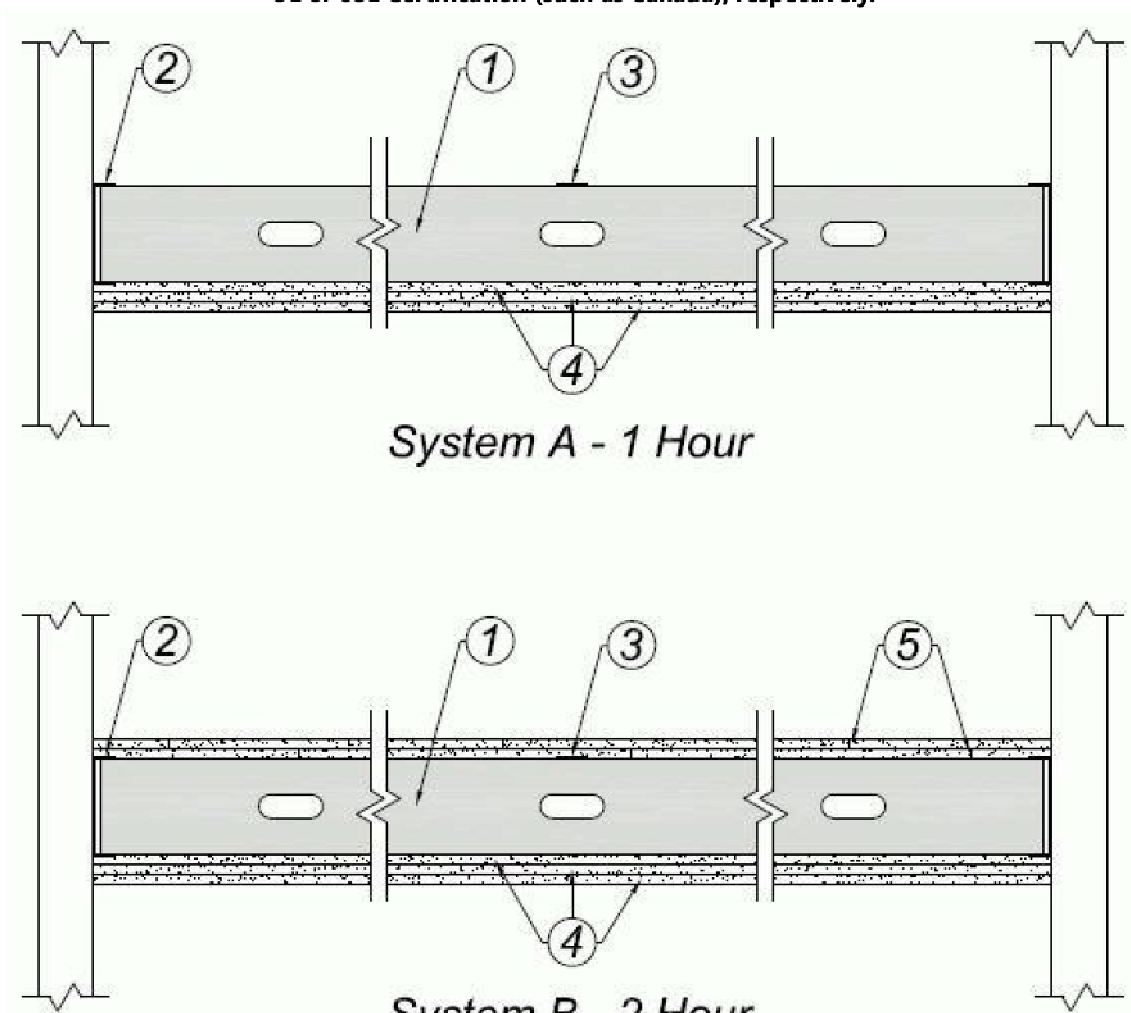
Design No. I506

May 06, 2025

Ceiling Membrane Rating- 1 and 2 Hr (See Item 5)

Load Restriction - 53% of Capacity.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Steel Joists — Min. 6 in. wide with min. 1-5/8 in. legs containing folded back flanges and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Joists to be cut 1/2 in. to 3/4 in. less than the clear span between the vertical legs of the joist track. Joists spaced a max. 16 in. OC. At each end of the joist, the upper joist flange shall be secured to the joist track with one 1/2 in. long pan-head steel screw. Joists are used at each end of the horizontal barrier to terminate the assembly at the adjoining wall. These end joints shall be secured to the adjoining wall in the same manner as the joist track (Item 2).

2. Ceiling Joist Track — Used to support steel joists at both ends of ceiling membrane structure. Min. 6 in. deep with min. 1-1/4 in. legs and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Joist track attached to wall structure with fasteners spaced not greater than 24 in. OC at both the top and bottom of the vertical leg.

3. Steel Strap — Min. 2 in. wide strap formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare steel thickness). Secure perpendicular to the upper joist flange at the centerline of the span using one 1/2 in. long pan-head steel screw at each joist. Steel strap to overlap one full joist bay at splice locations. As an alternate to the steel strap, joist track (Item 2) may be substituted and installed in the same manner as the steel straps for the 1 Hr. Rating. If a continuous piece is not used, the abutted legs are installed on each side of the centerline of the span and overlap one full joist bay.

SYSTEM A - For 1 Hr. Rating

4. Gypsum Board* — Three layers of nom 5/8 in. thick, 48 in. wide, gypsum board installed with long dimension perpendicular to the steel joists. Joints need not be staggered in individual layers. Base layer secured to joists and joist track with 1-1/4 in. long Type S-12 steel screws spaced max. 16 in. OC. Middle layer installed with end joints staggered a min. 32 in. from base layer. Middle layer tapered joints staggered a min. 12 in. from base layer tapered joints. Boards secured to the joists and joist track with 1-5/8 in. long Type S-12 steel screws spaced max. 16 in. OC. Face layer installed with end joints staggered a min. 24 in. from middle layer. Face layer tapered joints staggered a min. 12 in. from middle layer tapered joints. Boards secured to the joists and joist track with 2-1/4 in. long Type S-12 steel screws spaced max. 12 in. OC. Face layer end joints centered between joists, attached to the middle layer boards with 1-1/2 in. long Type G steel screws spaced 8 in. OC and located 1-1/2 in. from the end joint.

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

4A. Steel Framing Members* — Main runners, cross tees, cross channels, and wall angle as listed below:

a. Main Runners — Nom. 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC. Main runners supported by min. 12 SWG galv. steel hanger wires spaced 24 in. OC, twist tied to supporting structure.

b. Cross Tees — 4 ft. long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

c. Cross Channel — Nom. 4 ft. long, installed perpendicular to main runners, spaced 16 in. OC.

d. Wall Angle or Channel — Painted or galv. steel angle with 1 in. legs or channels with 1 in. legs, 1-9/16 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. To support steel framing member ends and for screw attachment of the gypsum panel.

UNITED STATES GYPSUM CO — Type DGI or RX

SYSTEM B - For 2 Hr. Rating

4. Gypsum Board* — Three layers of nom 5/8 in. thick, 48 in. wide, gypsum board installed with long dimension perpendicular to the steel joists. Joints need not be staggered in individual layers. Base layer secured to joists and joist track with 1-1/4 in. long Type S-12 steel screws spaced max. 16 in. OC. Middle layer installed with end joints staggered a min. 32 in. from base layer. Middle layer tapered joints staggered a min. 12 in. from base layer tapered joints. Boards secured to the joists and joist track with 1-5/8 in. long Type S-12 steel screws spaced max. 16 in. OC. Face layer installed with end joints staggered a min. 24 in. from middle layer. Face layer tapered joints staggered a min. 12 in. from middle layer tapered joints. Boards secured to the joists and joist track with 2-1/4 in. long Type S-12 steel screws spaced max. 12 in. OC. Face layer end joints centered between joists, attached to the middle layer boards with 1-1/2 in. long Type G steel screws spaced 8 in. OC and located 1-1/2 in. from the end joint.

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

5. Gypsum Board* — (Required the 2 hour rating, not required for the 1 hour rating): Two layers of nom. 5/8 in. thick, 24 in. wide by 48 in. long. Gypsum board panels are closely laid perpendicular to the top side of the steel joist flanges. Base layer laid with narrow (2R) end joints centered over joists. Short end joints in adjacent rows are not staggered. Face layer laid with narrow (2R) end joints centered over joists with end joints in adjacent rows not being staggered. Narrow end joints between layers are staggered 16 in., with long end joints staggered 8 in. between layers.

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

6. Joint Tape and Compound — Not Shown — (Optional, Not Required on Joints or Screw Heads) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, nom. 2 in. wide, embedded in first layer of compound over all joints.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2025-05-06

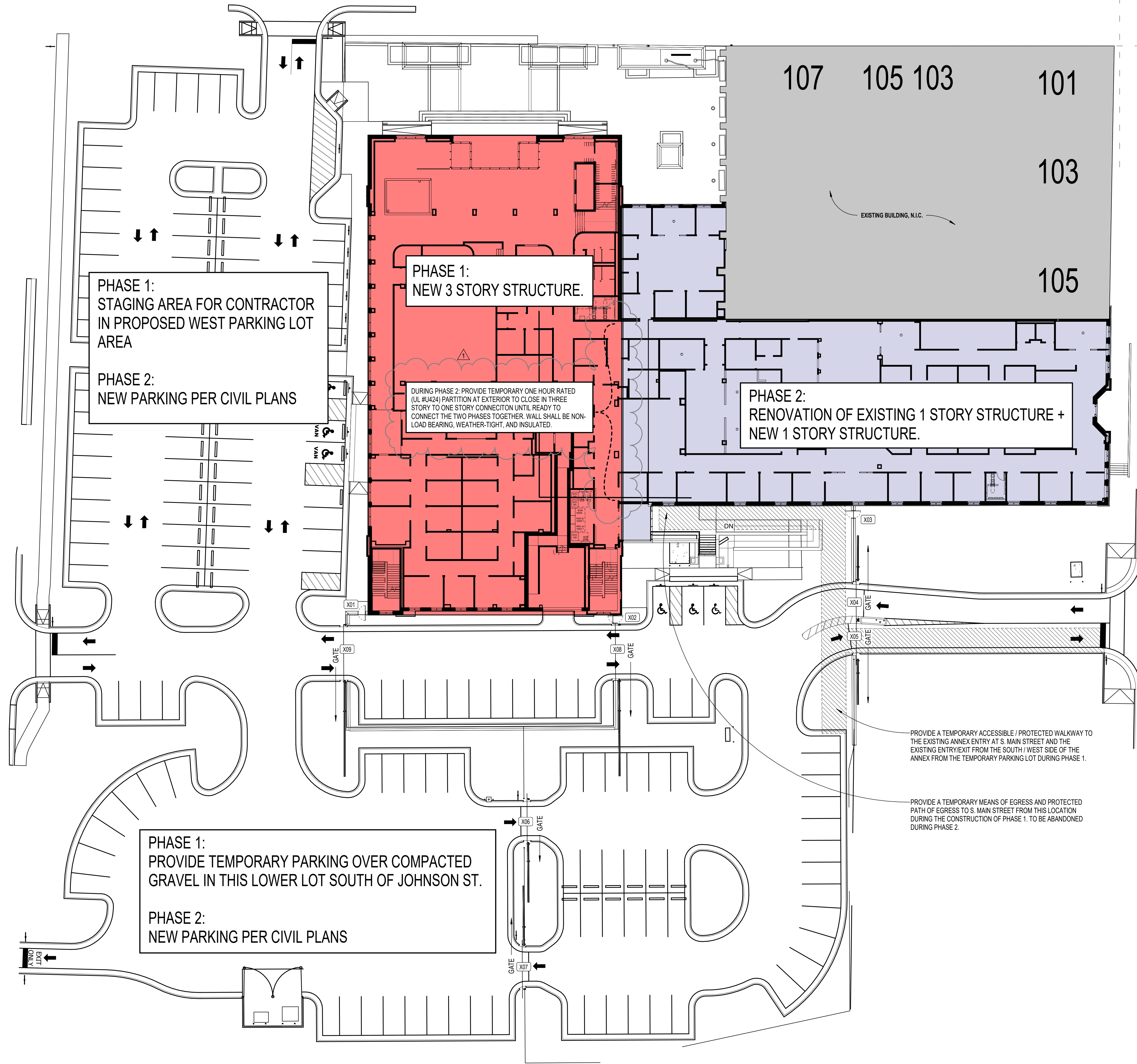


1
G0.50

ARCHITECTURAL PLAN - SITE

1" = 20'-0"

S. CHURCH STREET



W. NASH STREET

S. MAIN STREET

SITE / PHASING NOTES

- PHASING PLAN TO BE COORDINATED WITH OWNER, CONTRACTOR, AND ARCHITECT PRIOR TO BEGINNING OF WORK.
- COORDINATE W/ OWNER ALL SCHEDULING TO AFFECT EXISTING ANNEX AND OPERATIONS WITHIN THE ANNEX BUILDING DURING THE BUILDING OF PHASE 1.
- THE EXISTING ANNEX IS TO REMAIN COMPLETELY OPERATIONAL UNTIL THE CONSTRUCTION AND OCCUPATION BY THE OWNER OF THE 3 STORY STRUCTURE IS PROVIDED.
- COORDINATE W/ LOCAL ELECTRICAL, TELECOMMUNICATION, AND UTILITY PROVIDERS TO SCHEDULE TRANSFER OF SERVICES TO ELIMINATE DOWNTIME AS AGREED TO WITH THE OWNER PRIOR TO PERFORMING THE TRANSFERING OF SERVICES.

NFPA 241 SAFETY PRECAUTIONS

SAFETY MEASURES ARE TO BE PROVIDED BY THE CONTRACTOR TO SAFEGUARD FROM THE OPERATIONS DURING CONSTRUCTION, ALTERATION, AND DEMOLITION. THESE SAFEGUARD STANDARDS ARE TO BE ADMINISTERED AND ENFORCED BY THE AHI. THE SAFEGUARDS WILL REQUIRE THE IMPLEMENTATION OF A FIRE PREVENTION PROGRAM ENFORCED BY A FIRE PREVENTION PROGRAM MANAGER DESIGNATED BY THE BUILDING OWNER. ANY APPROPRIATE SAFETY MEASURES REQUIRED DURING CERTAIN PHASES OF THE DEMOLITION / CONSTRUCTION WILL BE PROVIDED IN ADVANCE.

- THE FOLLOWING ARE SOME SAFETY MEASURE THE FPPM SHALL CHARGE OUT:
- REFIRE PLANS: THE FIRM WILL DEVELOP AND MAINTAIN APPROVED PRE-FIRE PLANS IN COOPERATION WITH THE FIRE CHIEF. THE FIRE CHIEF AND FIRE CODE OFFICIAL SHALL BE NOTIFIED OF CHANGES AFFECTING THE UTILIZATION OF INFORMATION CONTAINED IN THE PRE-FIRE PLANS.
 - TRAINING OF RESPONSIBLE PERSONNEL IN THE USE OF FIRE PROTECTION EQUIPMENT
 - DETERMINING THAT ALL FIRE PROTECTION EQUIPMENT IS MAINTAINED AND SERVICED IN ACCORDANCE WITH NC FIRE PREVENTION CODE 2018. THIS FIRE PROTECTION EQUIPMENT SHALL BE APPROVED.
 - SUPERVISING THE PERMIT SYSTEM FOR HOT WORK OPERATION S IN ACCORDANCE WITH NC FPC 2018 CHAPTER 35.
 - MAINTAINING ACCORDANCE WITH NC FPC 2018 SECTION 901 FOR ANY IMPAIRMENT OF FIRE PROTECTION SYSTEMS.
 - ENSURING THAT THE COVERING OF ANYTHING PLACED OVER A FIRE PROTECTION DEVICE FOR ITS OWN PROTECTION SHALL BE IMMEDIATELY REMOVED UPON THE COMPLETION OF THE CONSTRUCTION PROCESS IN THE AREA IN WHICH THE DEVICES ARE INSTALLED.

THE FOLLOWING ARE FURTHER SAFETY MEASURE TO BE MAINTAINED ON SITE DURING CONSTRUCTION:

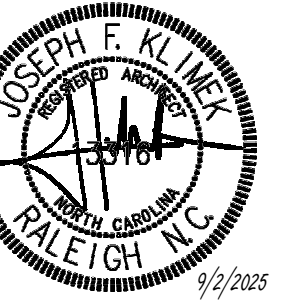
- A READILY ACCESSIBLE EMERGENCY TELEPHONE FACILITY IN AN APPROVED LOCATION
- APPROVED VEHICLE ACCESS FOR FIRE FIGHTING PROVIDED TO WITHIN 100 FEET OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS.
- KEY BOXES REQUIRED PER CHAPTER 5 OF NC FPC 2018 SHALL BE PROVIDED.
- TEMPORARY EGRESS STARWAYS ARE TO BE PROVIDED IF THE PERMANENT STARWAYS ARE NOT CONSTRUCTED AND OPERATION FIRST.
- ALL REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION, DEMOLITION, AND ALTERATION. AN APPROVED TEMPORARY MEANS OF EGRESS SHALL BE ACCEPTABLE.
- MAINTAIN APPROVED WATER SUPPLY FOR FIRE PROTECTION FROM EITHER TEMPORARY OR PERMANENT SOURCES AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE.
- WHEN REQUIRED PER THE BUILDING CONSTRUCTION, PROVIDE NOT LESS THAN ONE STAIRWELL THAT COMPLES WITH NC FPC 2018 SECTION 906. FOR USE DURING CONSTRUCTION AND INSTALLED PRIOR TO THE CONSTRUCTION EXCEEDING 40 FEET IN HEIGHT ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS. STAIRWELLS SHALL BE USABLE BY THE FIRE DEPARTMENT WITH FD HOSE CONNECTIONS NEAR USABLE STARWAYS AND SHALL BE CONTINUALLY EXTENDED TO LESS THAN ONE FLOOR OF THE HIGHEST POINT OF CONSTRUCTION HAVING SECURED DECKING OR FLOORING.
- THERE SHALL BE NO OCCUPANCY OF ANY BUILDING OR STRUCTURE THAT REQUIRES AN AUTOMATIC SPRINKLER SYSTEM PRIOR TO THE TESTING AND APPROVAL OF AN INSTALLED SPRINKLER SYSTEM.
- SPRINKLER CONTROL VALVES SHALL BE OPERATED BY PROPERLY AUTHORIZED PERSONNEL AND SHALL BE ACCOMPANIED BY NOTIFICATION OF DULY DESIGNATED PARTIES. SPRINKLER CONTROL VALVES SHALL BE CHECKED AT THE END OF EACH WORK PERIOD WHEN CONTINUALLY OPERATED DURING THAT WORK PERIOD.
- PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH NC FPC 2018 SECTION 906 AND SIZED NOT LESS THAN ORDINARY HAZARD:
 - AT EACH STARWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED
 - IN EVERY STORAGE AND CONSTRUCTION SHED
 - WHERE SPECIAL HAZARDS EXIST, INCLUDING BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.
- ANY INTERNAL-COMBUSTION-POWERED CONSTRUCTION EQUIPMENT SHALL BE USED IN ACCORDANCE WITH THE FOLLOWING:
 - EQUIPMENT SHALL BE LOCATED SO THAT EXHAUSTS DO NOT DISCHARGE AGAINST COMBUSTIBLE MATERIAL
 - EXHAUSTS SHALL BE PIPED TO THE OUTSIDE OF THE BUILDING
 - EQUIPMENT SHALL NOT BE REFUELED WHILE IN OPERATION
 - FUEL FOR EQUIPMENT SHALL BE STORED IN AN APPROVED AREA OUTSIDE OF THE BUILDING
- THERE SHALL NOT BE LESS THAN ONE MULTIPURPOSE PORTABLE FIRE EXTINGUISHERS, COMPLYING WITH SECTION 906 (NCFPC 2018), WITH A MINIMUM 3-A 40-B-C RATING ON THE ROOF BEING COVERED OR REPAIRED.

BID SET

FRANKLIN JUDICIAL CENTER

FRANKLIN COUNTY

W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

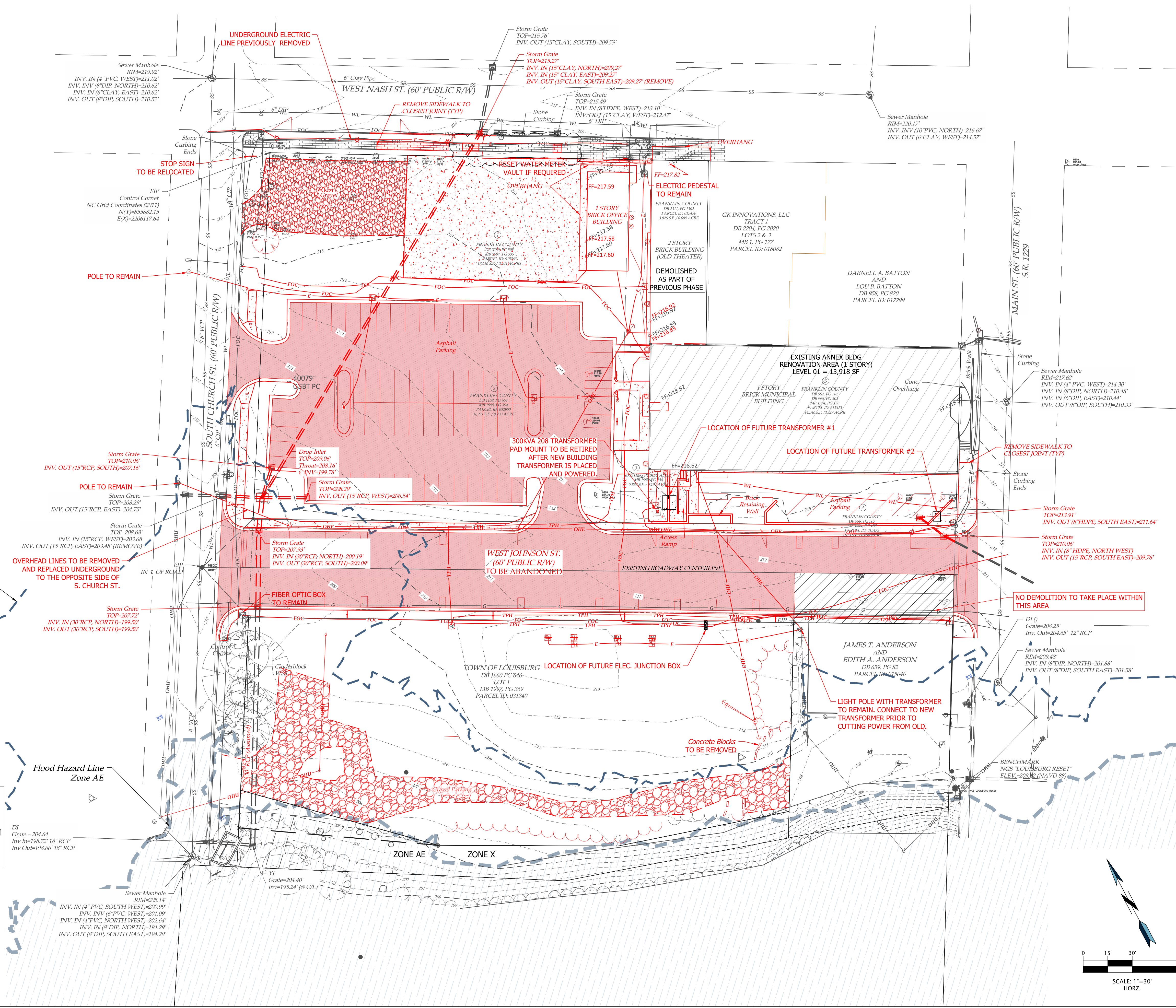
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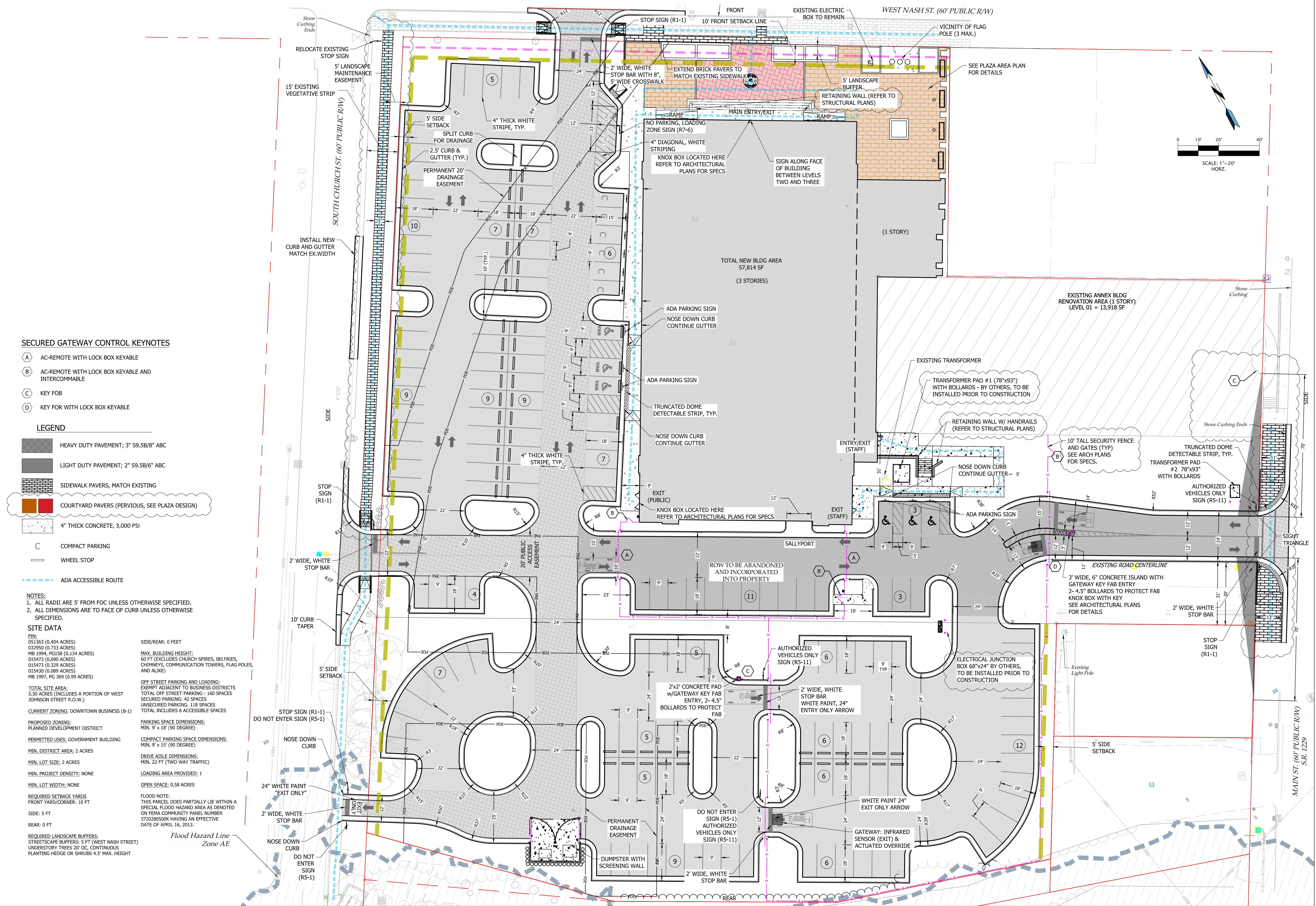
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Drawn By	JFK	Sheet No.	G0.50
Checked By	AWC	Sheet Title	CONSTRUCTION PHASING

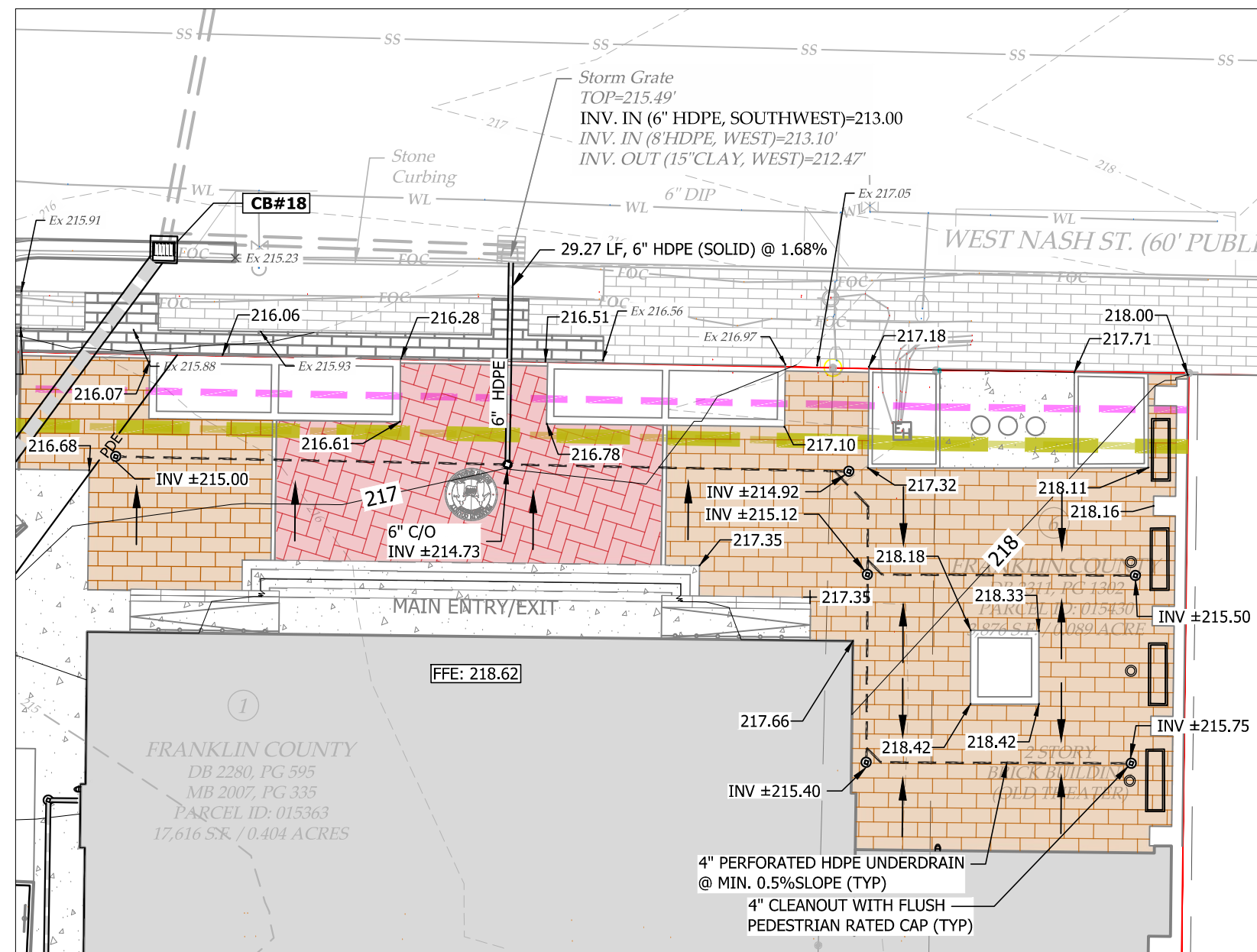
DEMOLITION NOTES:
ALL EXISTING ELECTRIC/POWER
LINES AND APPURTENANCES ARE
TO BE RELOCATED OR REMOVED
PRIOR TO START OF CONSTRUCTION
AND WILL BE PERFORMED BY
OTHERS. THEY ARE SHOWN ON THIS
PLAN AS A REFERENCE ONLY

- CONCRETE PARKING
TO BE REMOVED
- GRAVEL PARKING TO
BE REMOVED
- ASPHALT DRIVE TO
BE REMOVED

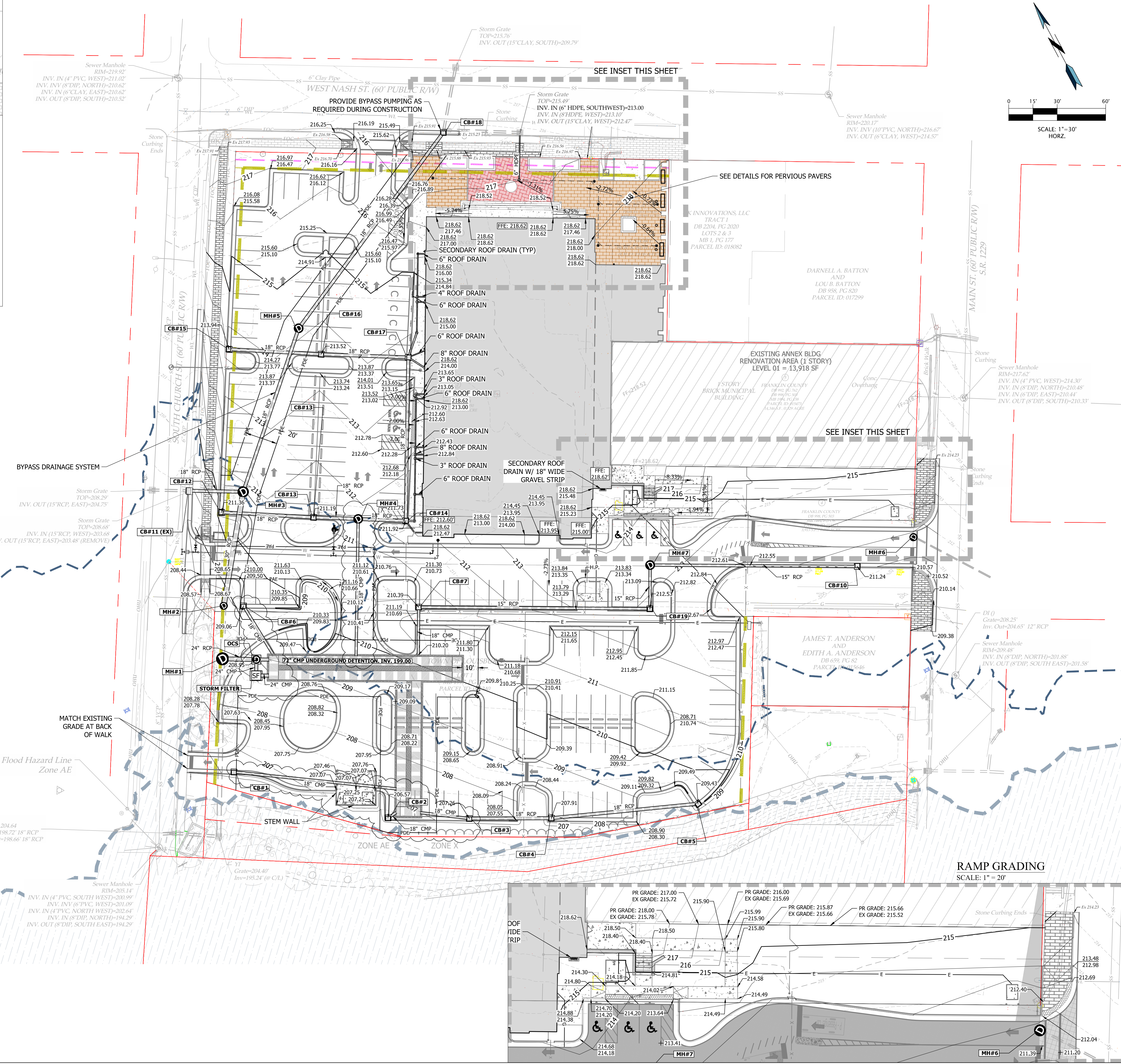
NOTE:
ITEMS SHOWN IN RED TO BE
REMOVED / RELOCATED.







PLAZA AREA GRADING
SCALE: 1" = 20'



RAMP GRADING
SCALE: 1" = 20'

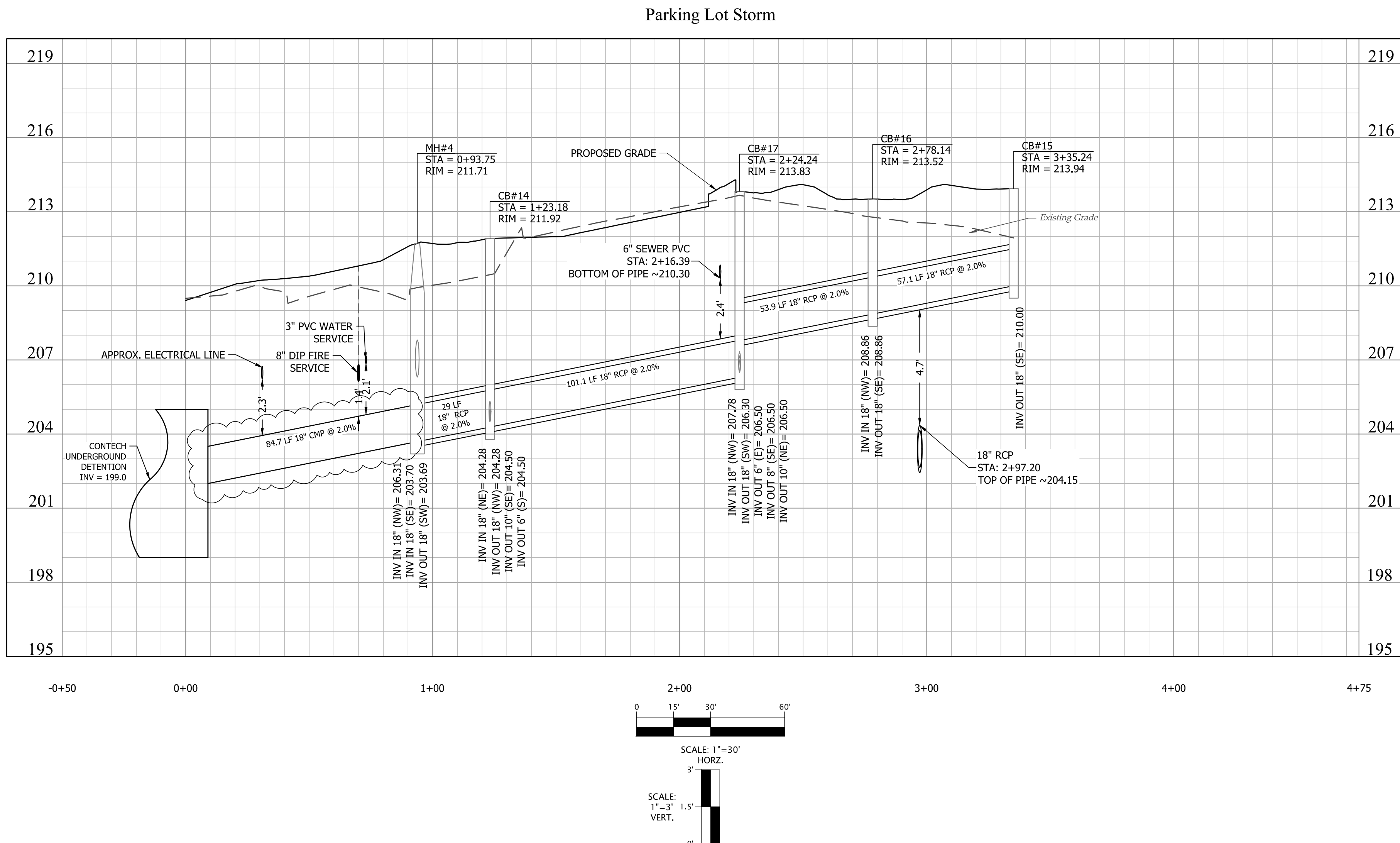
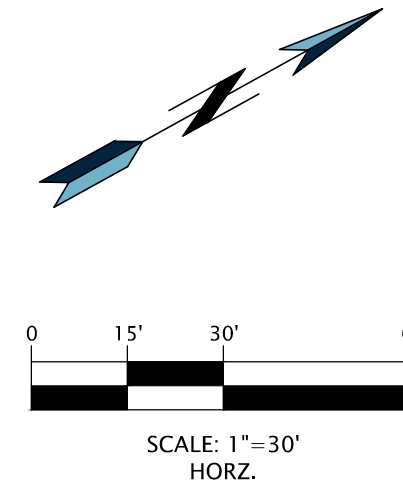
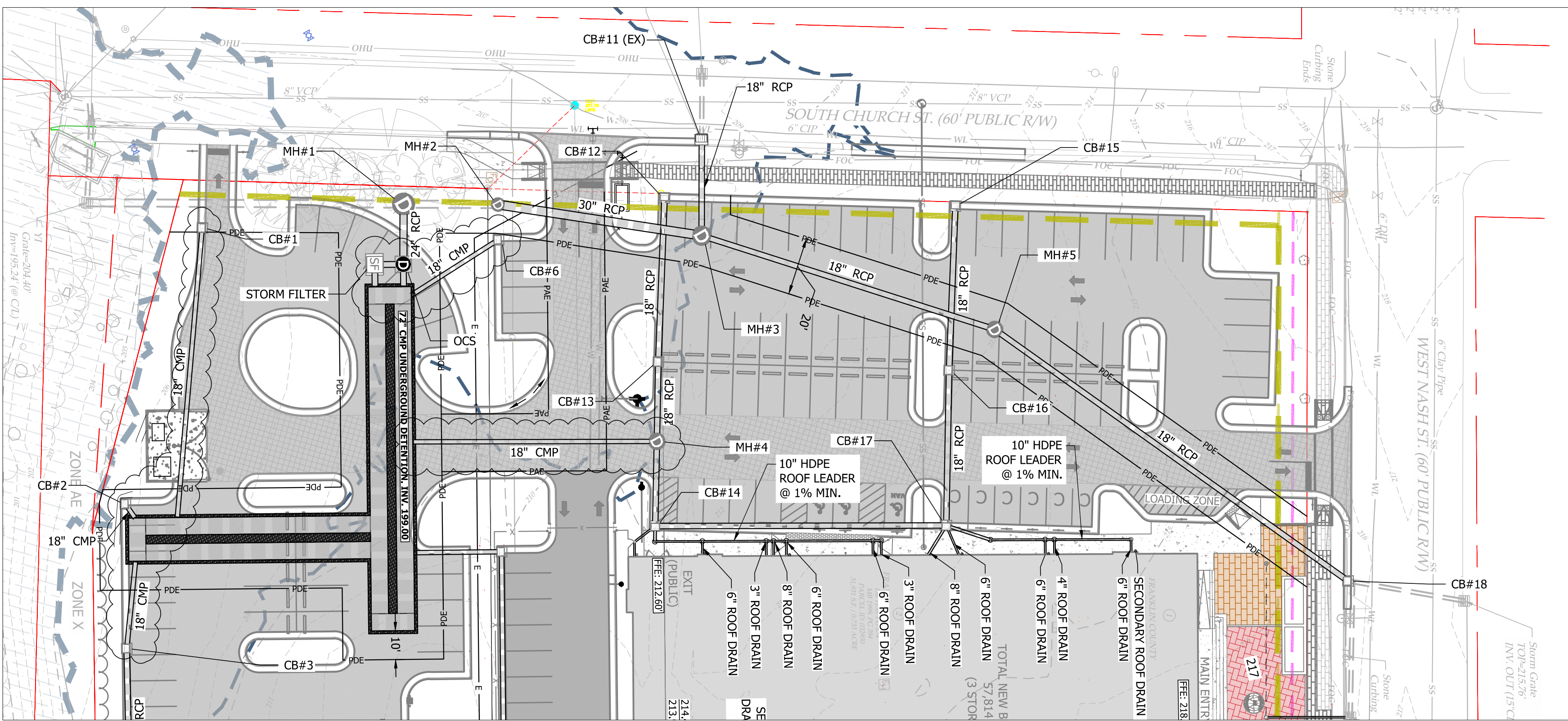
BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549

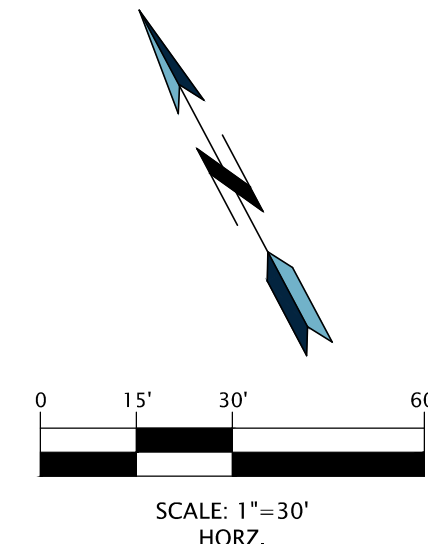
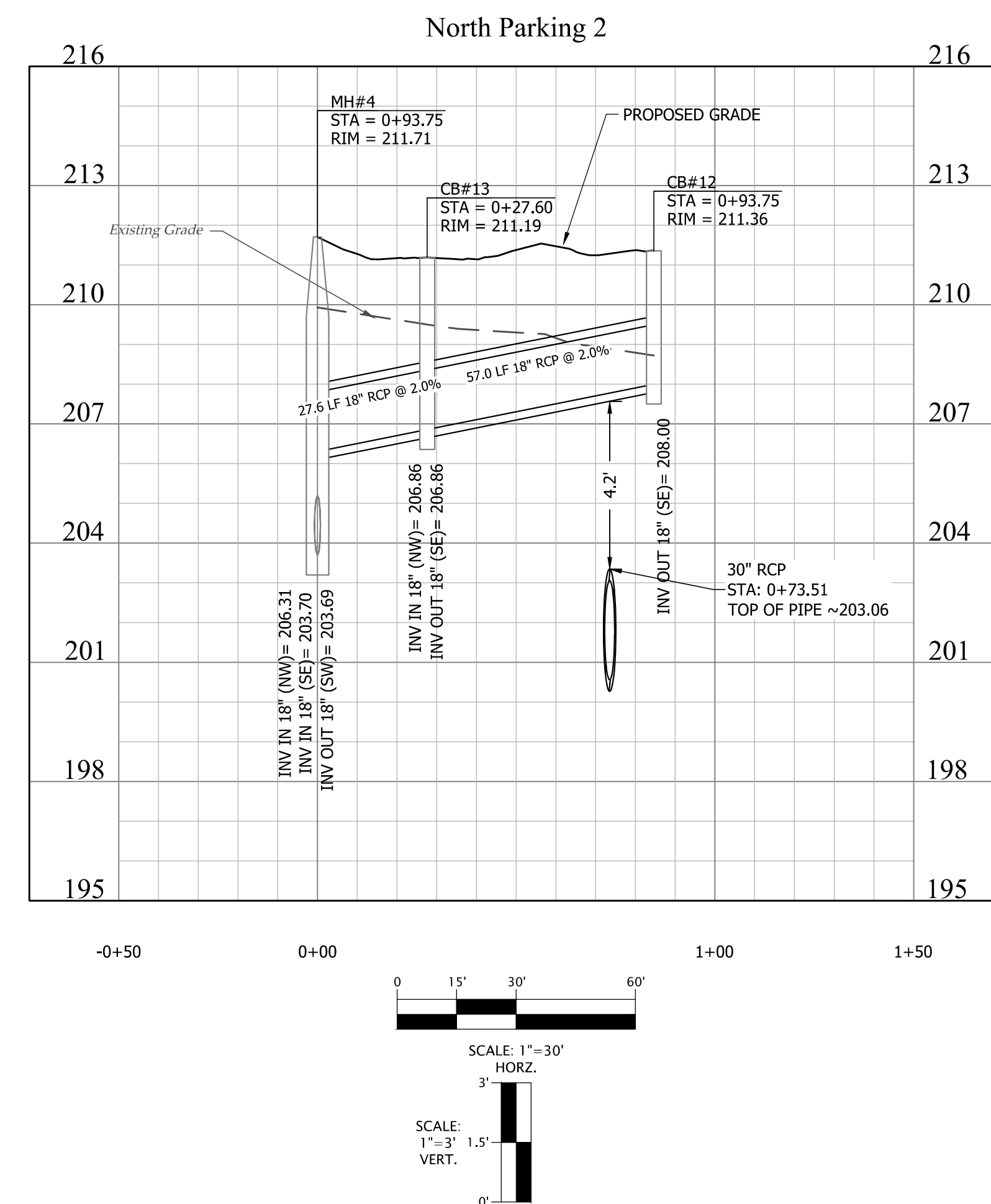
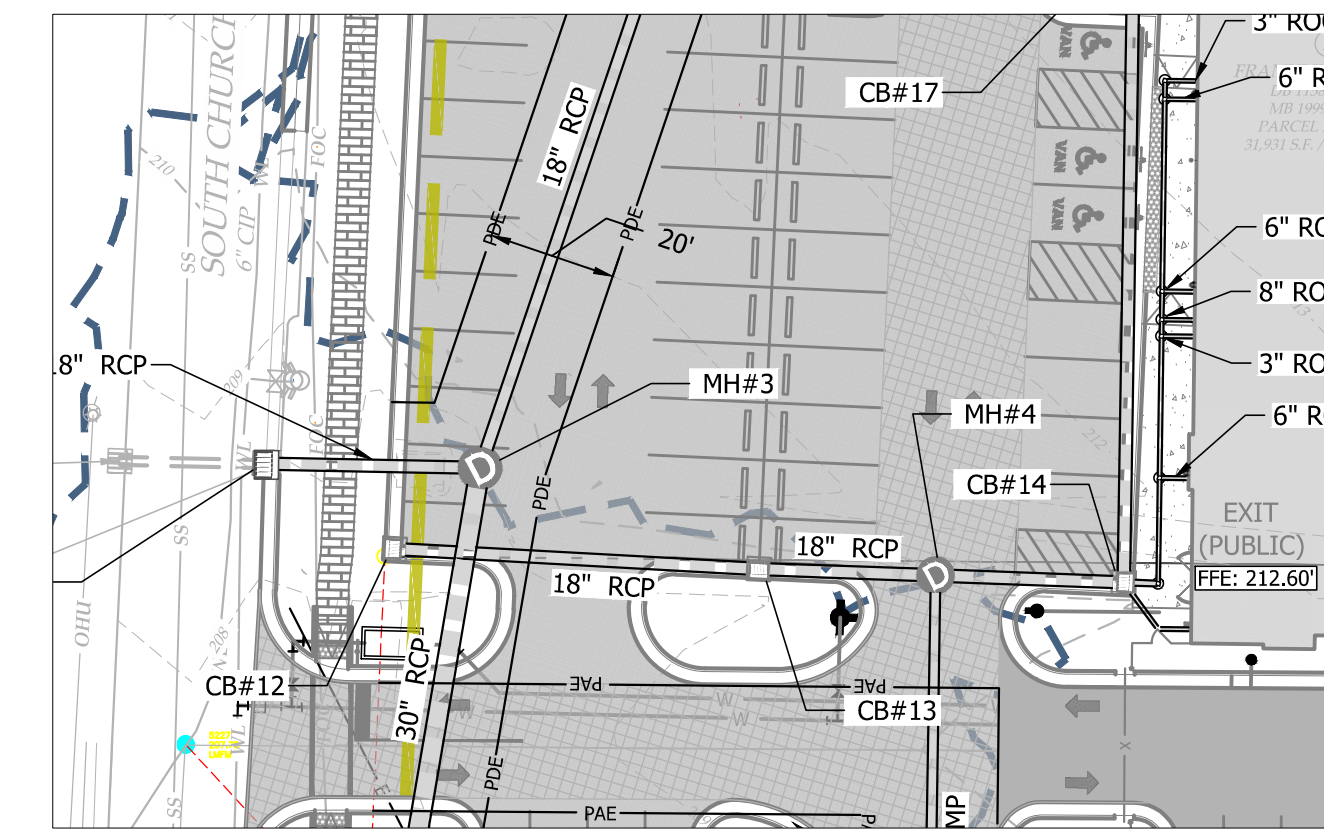
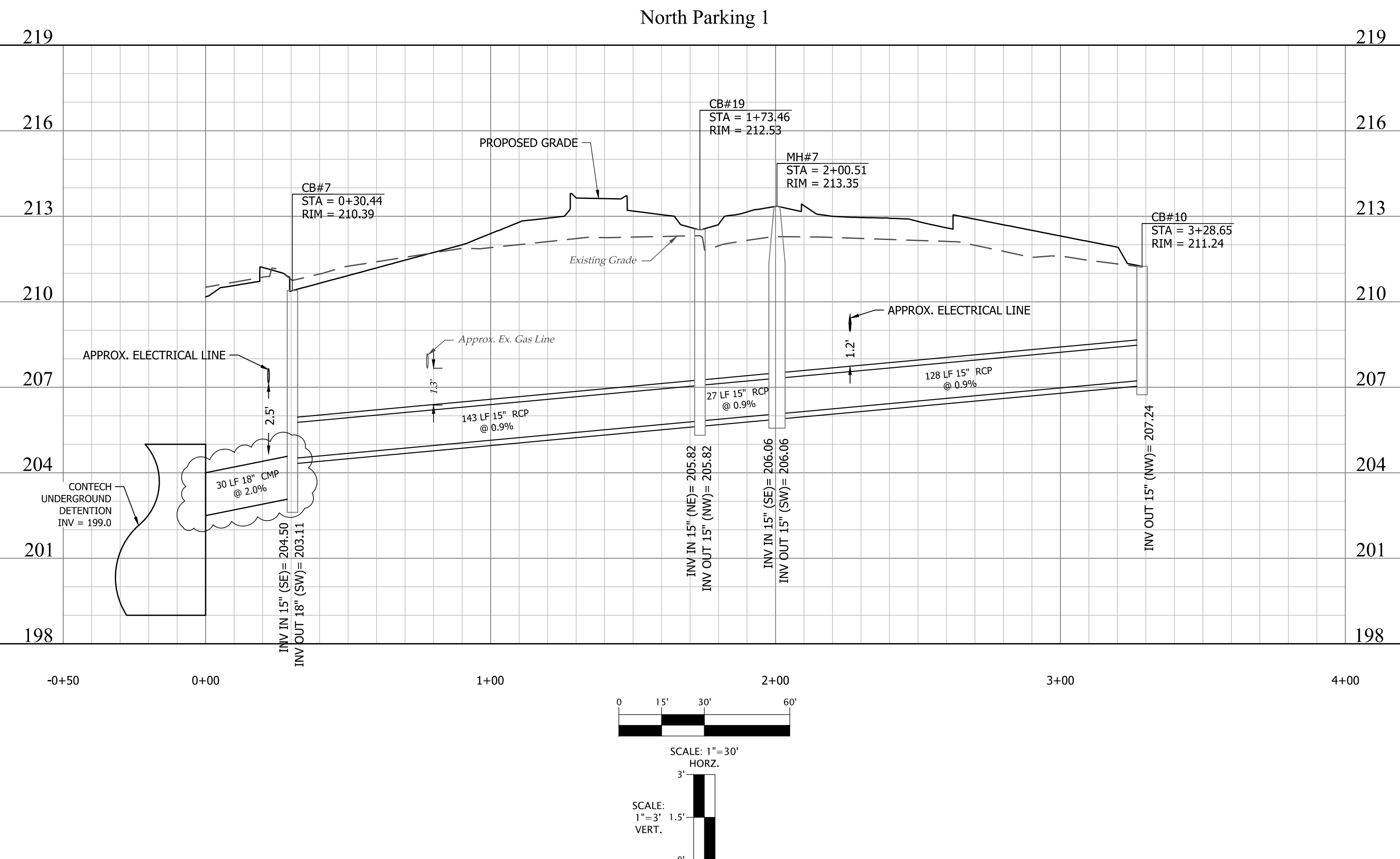
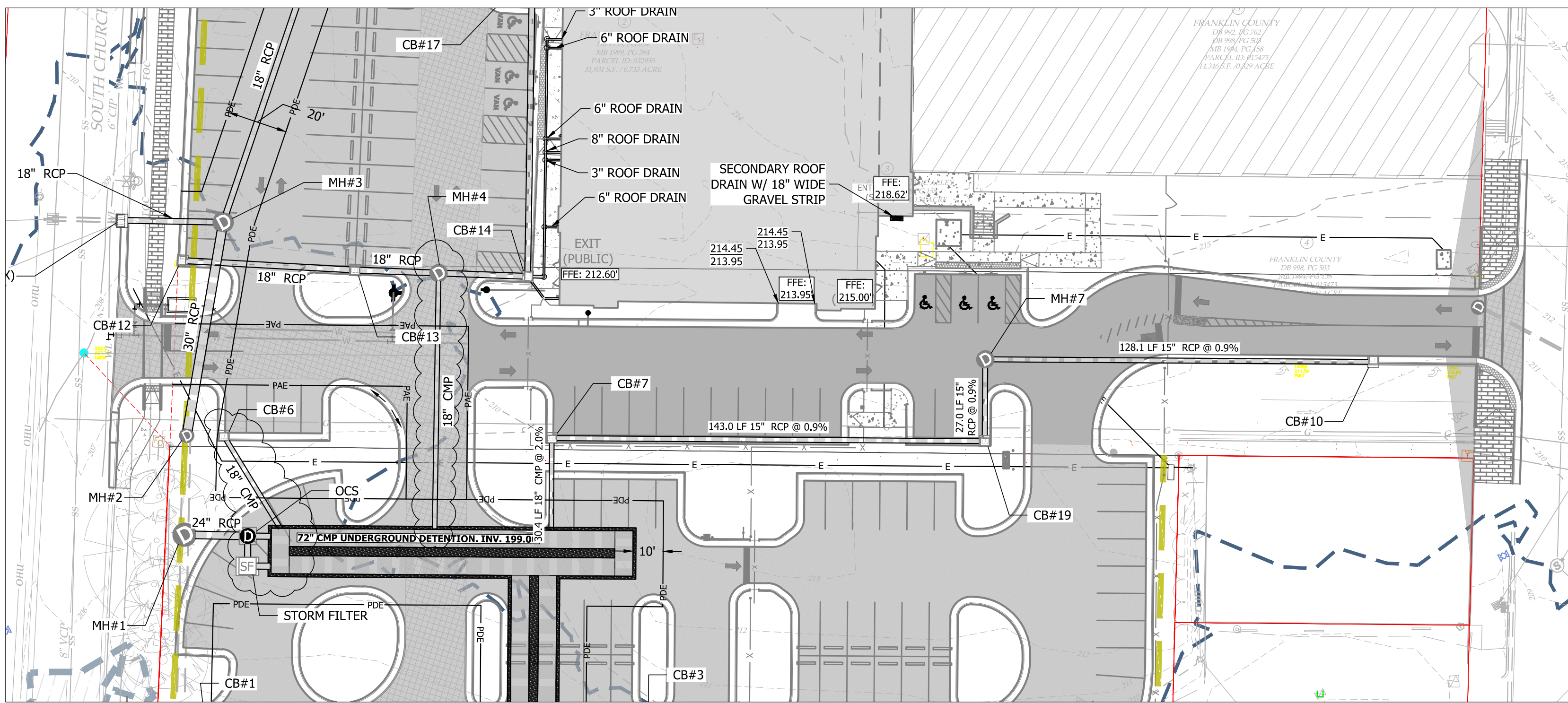


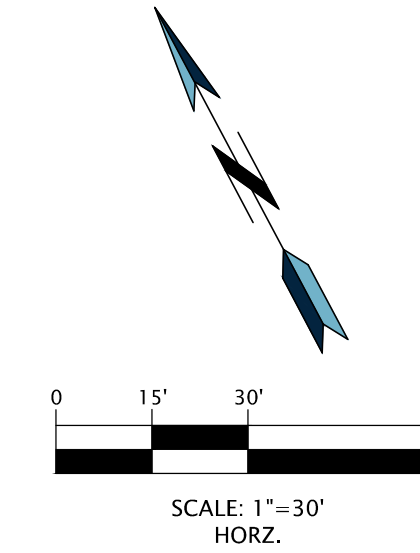
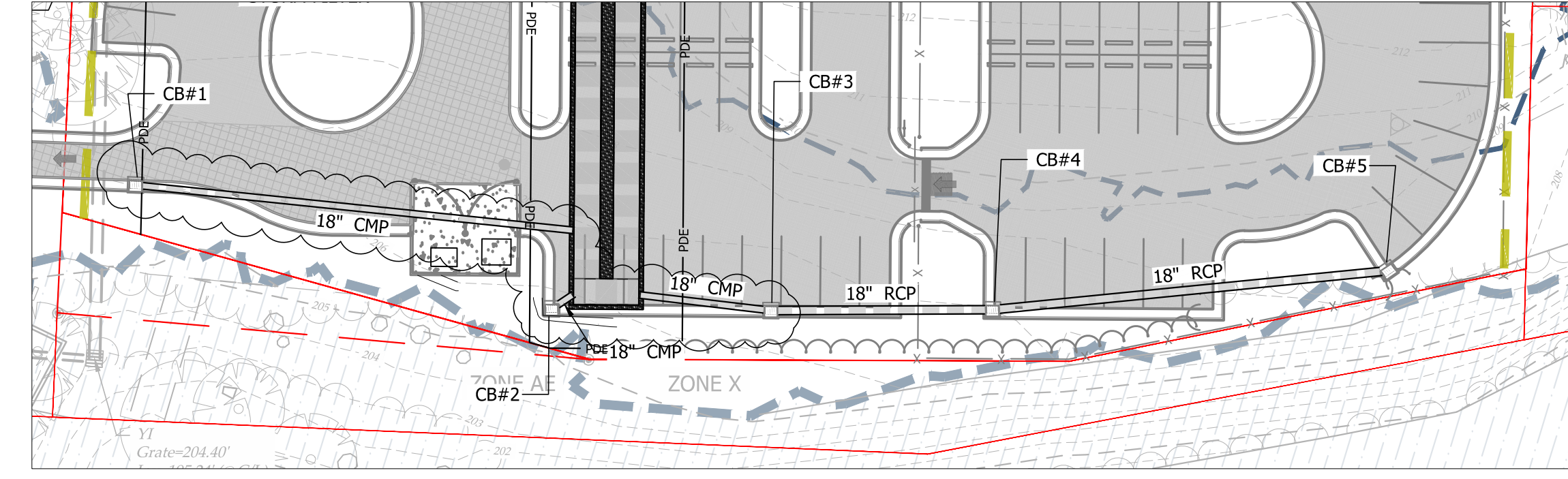
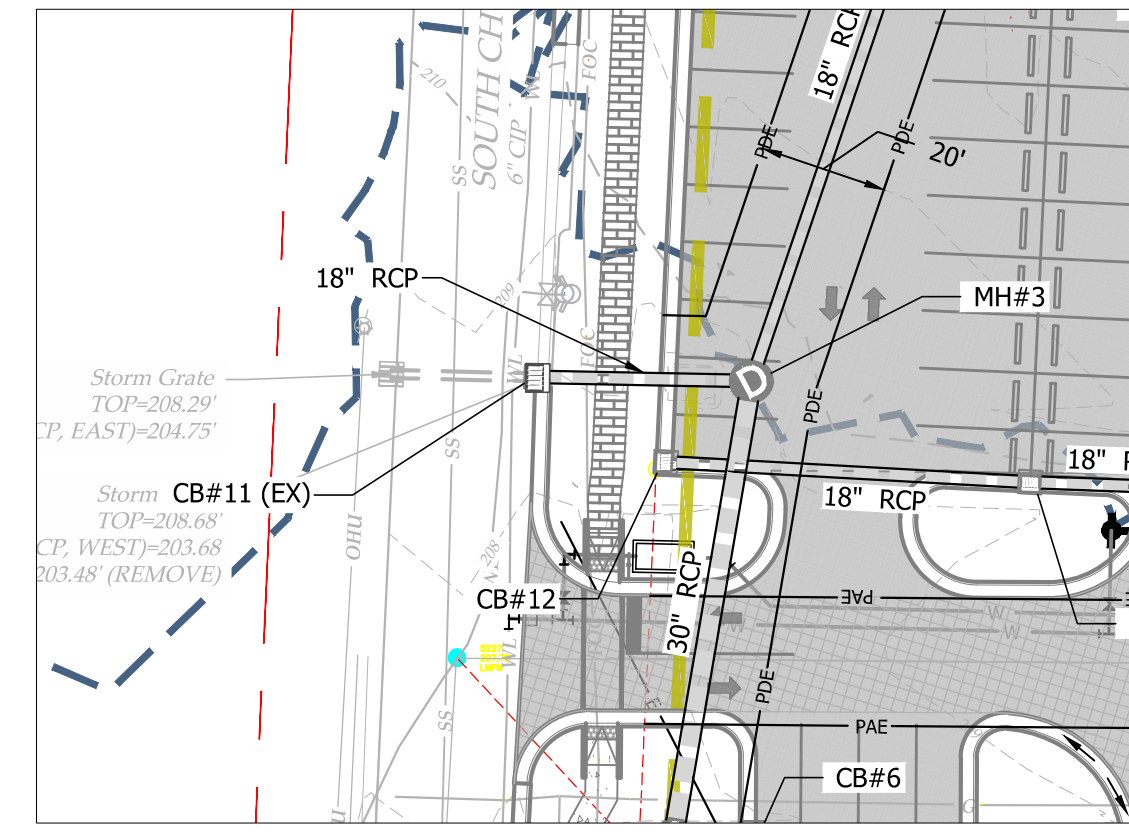
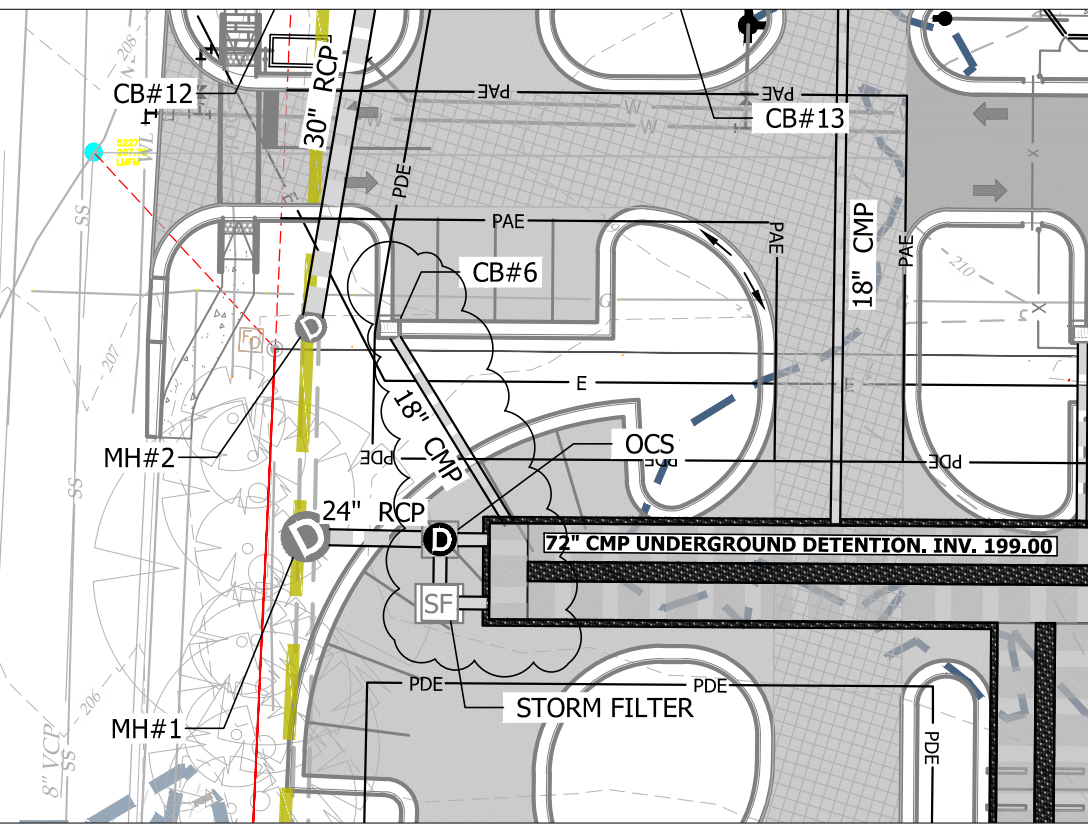
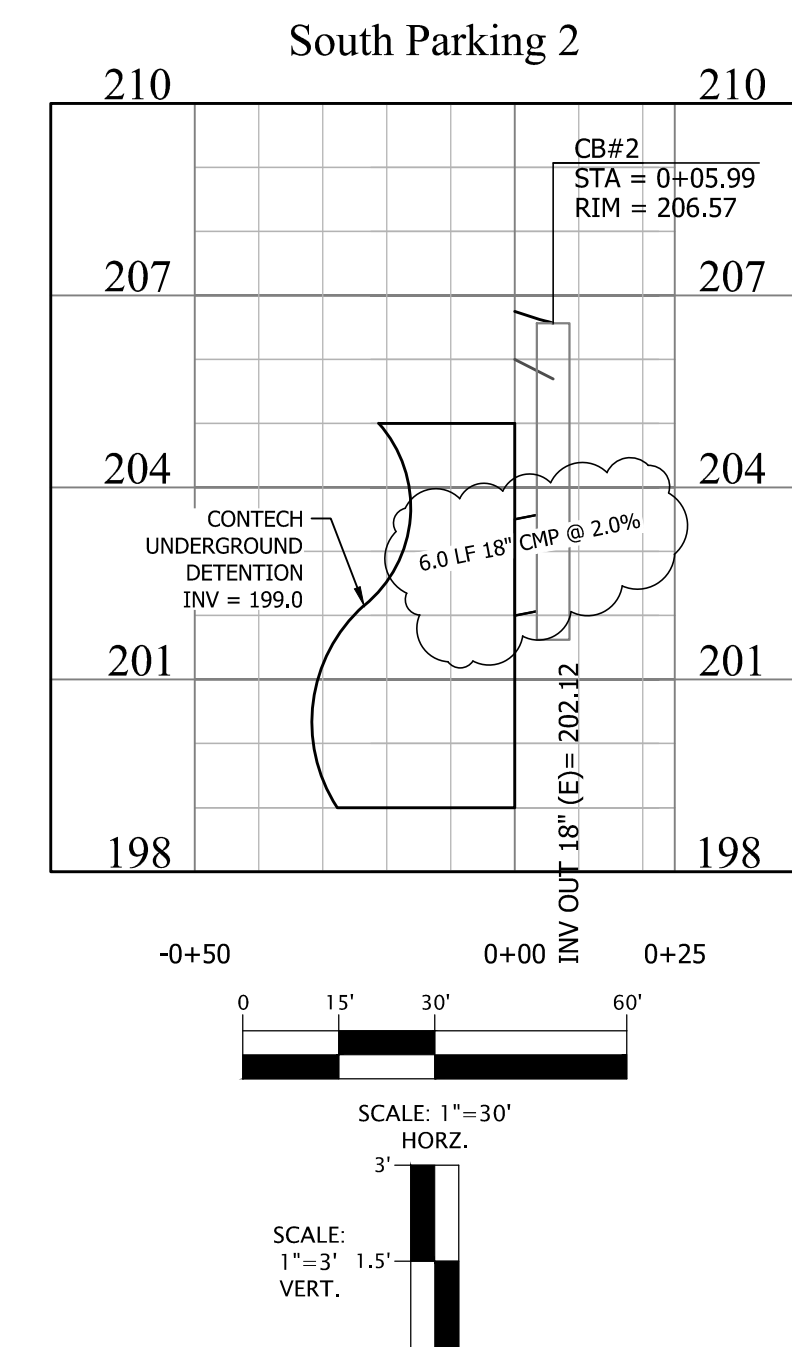
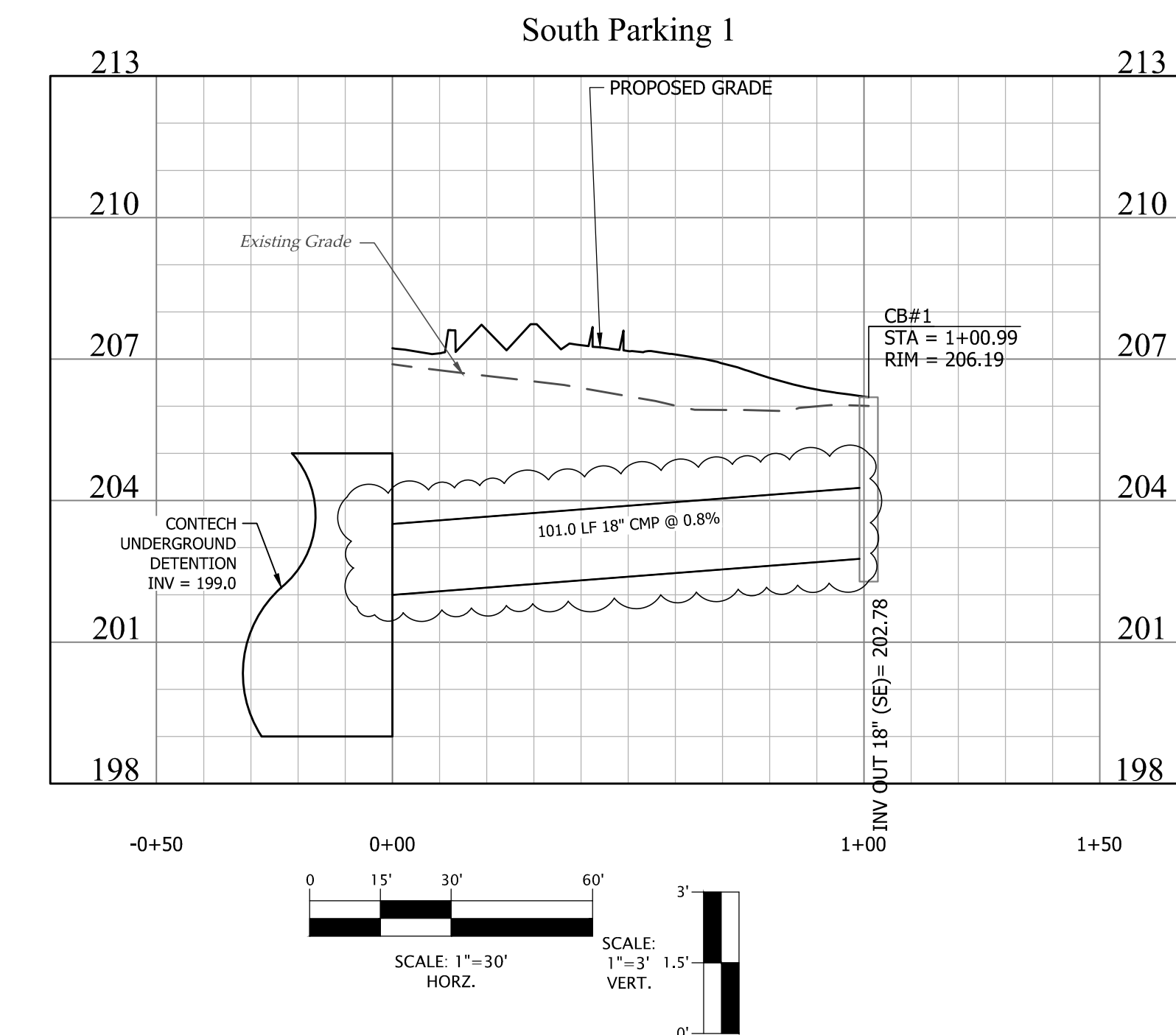
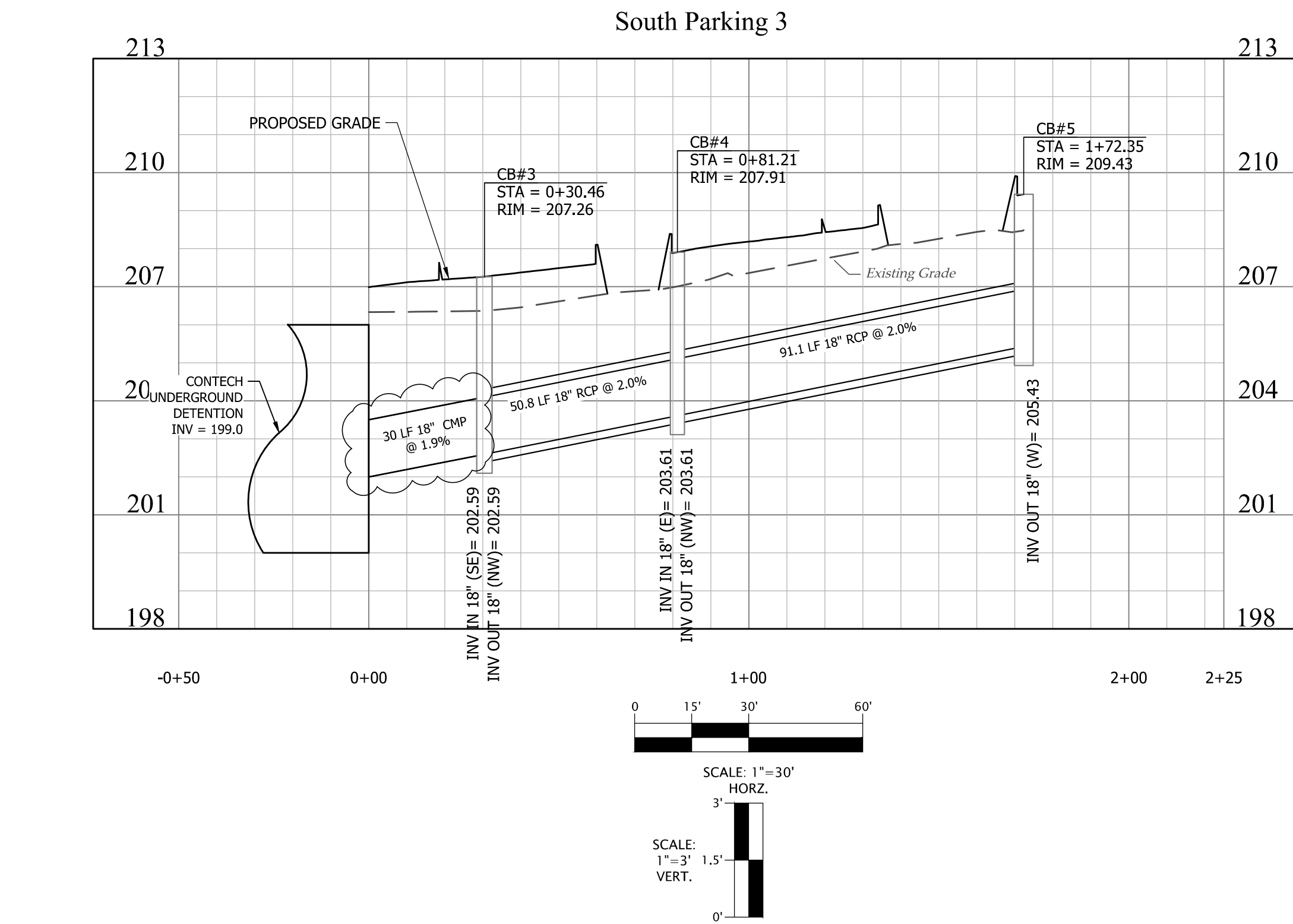
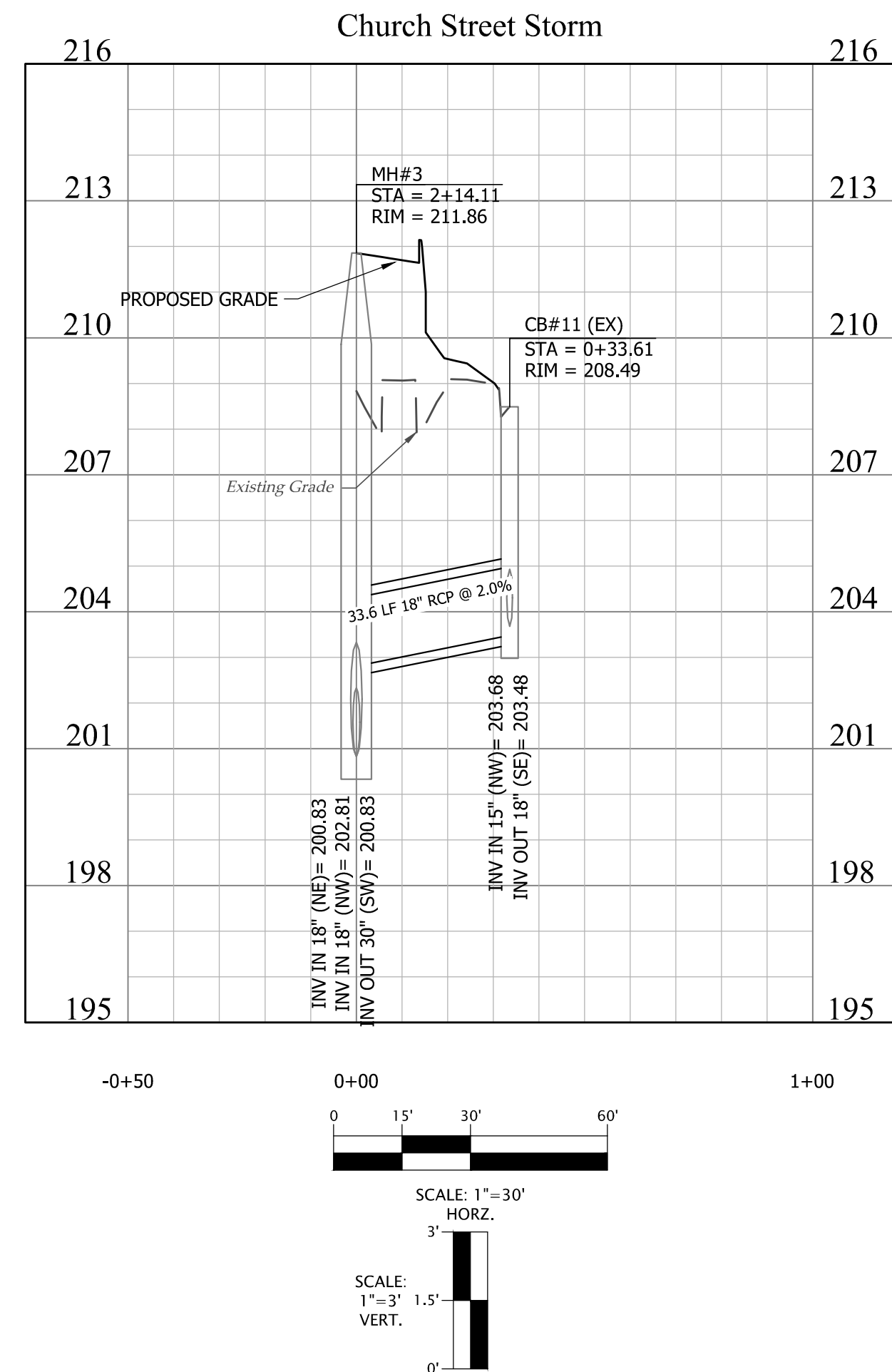
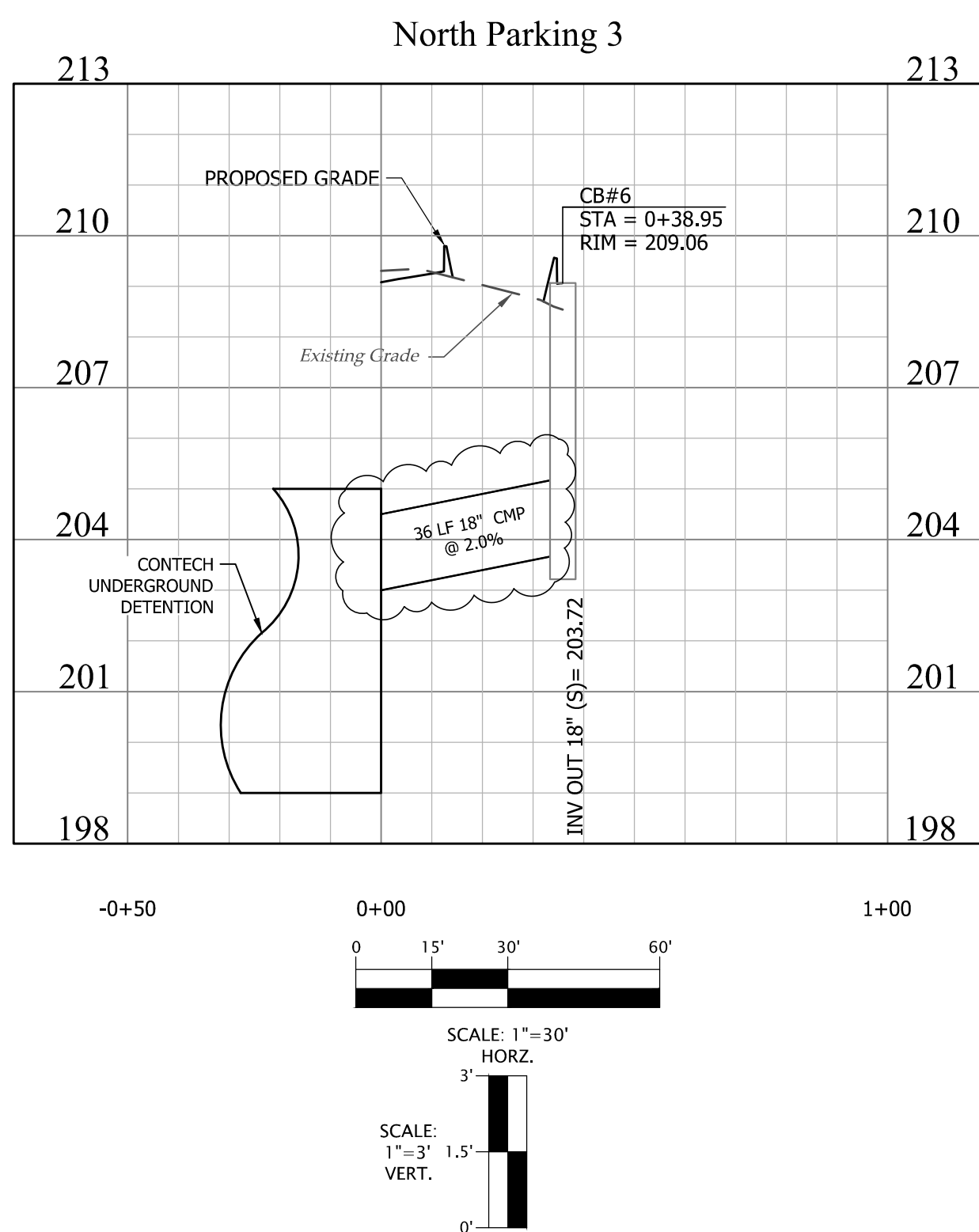
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

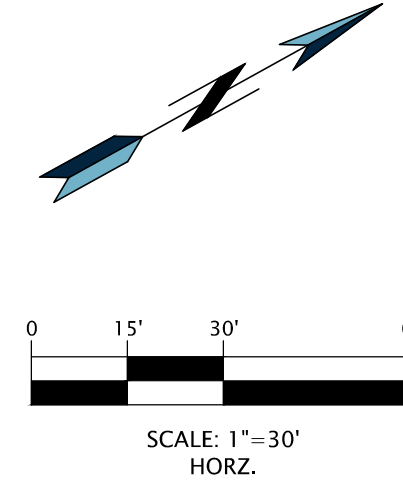
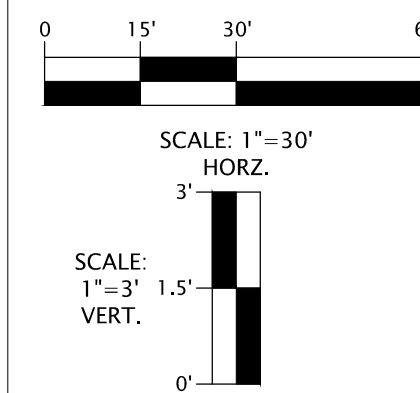
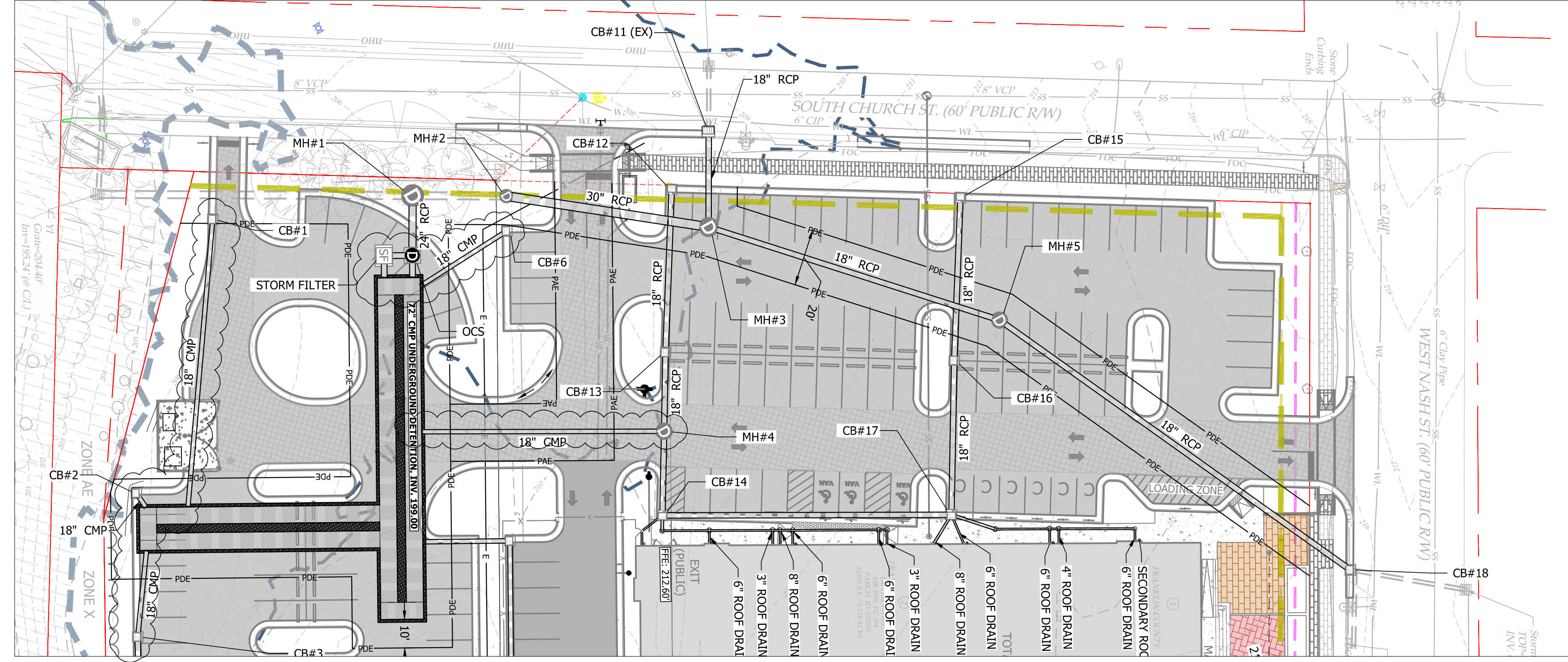
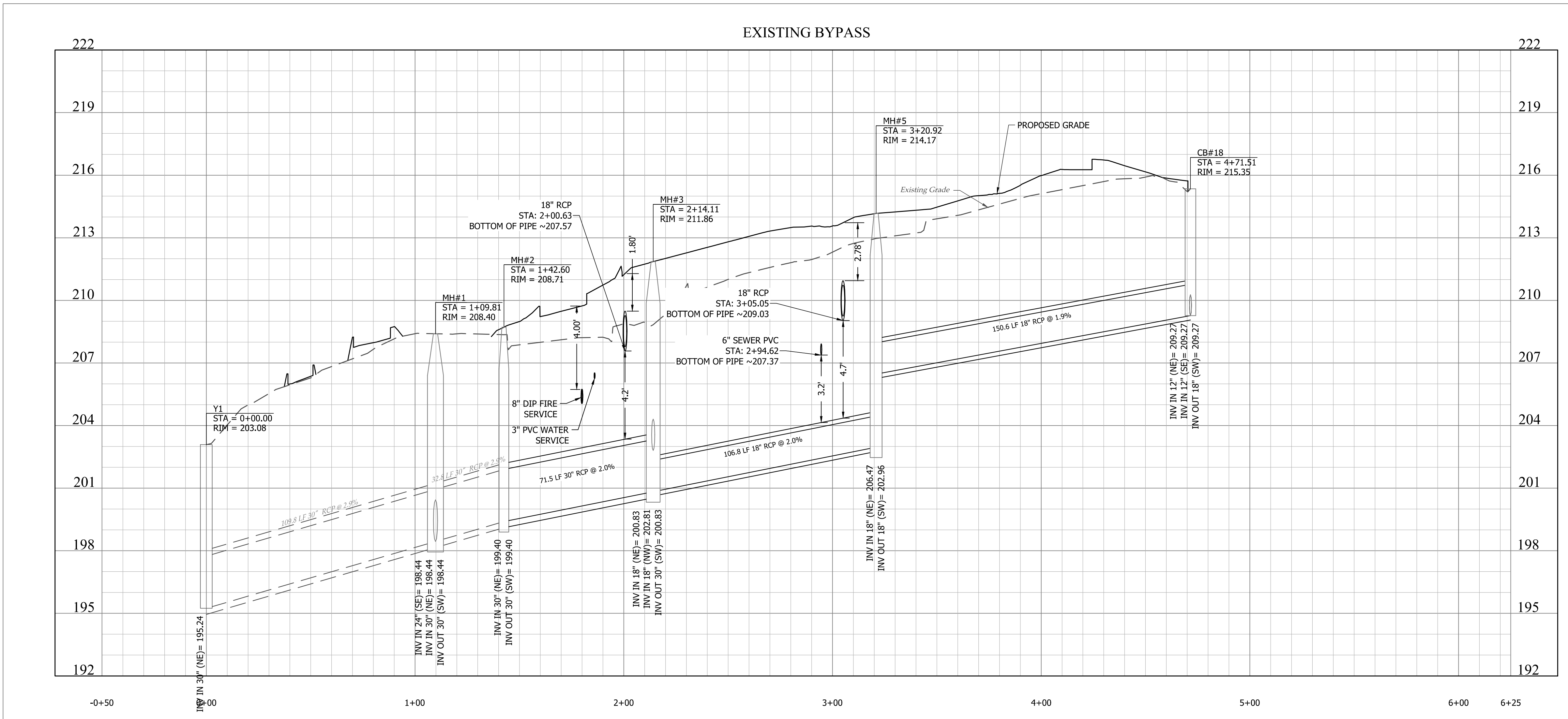
Revisions	Description	Date
1	BID SET - Add 1	9/12/2025

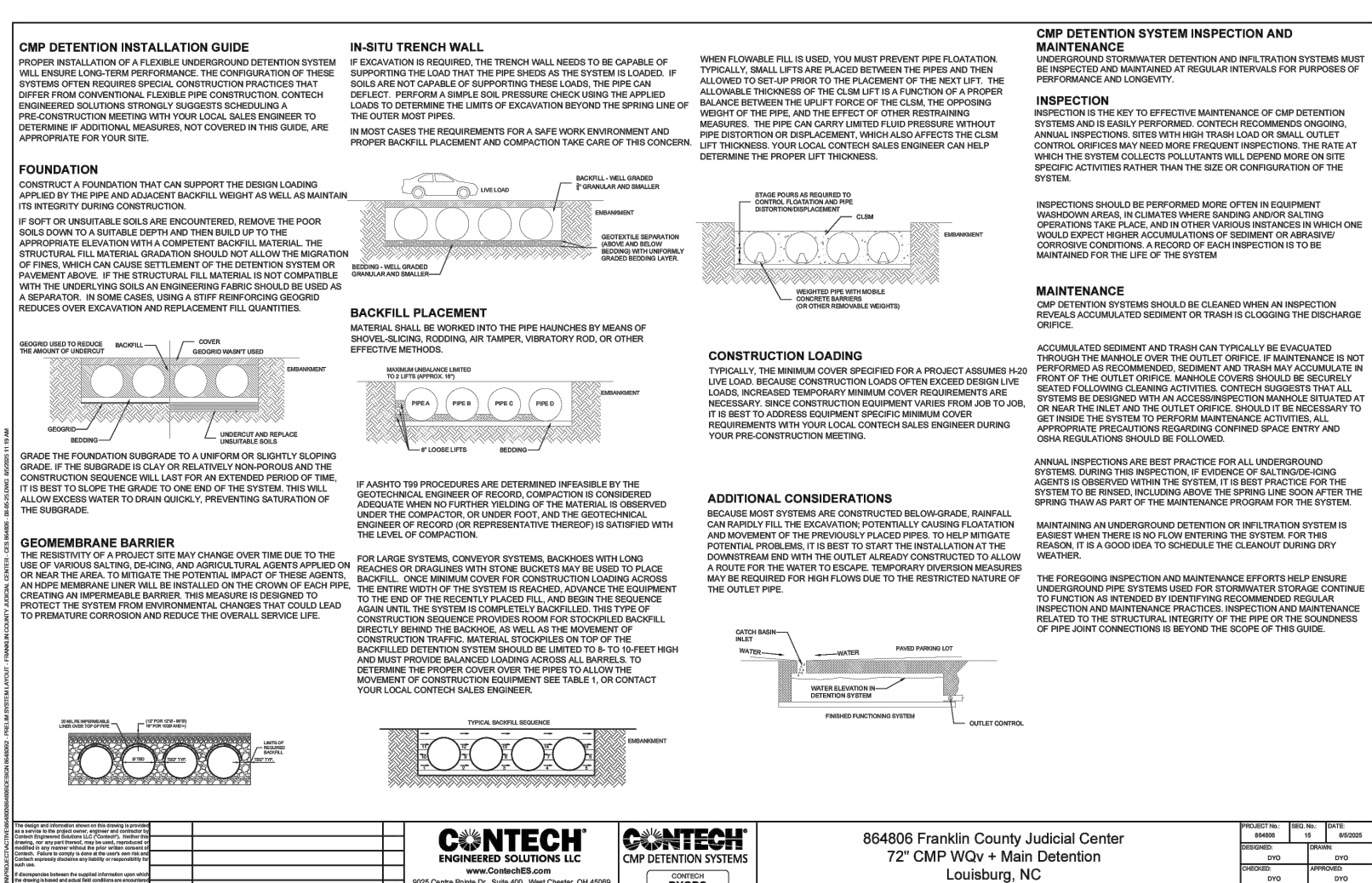
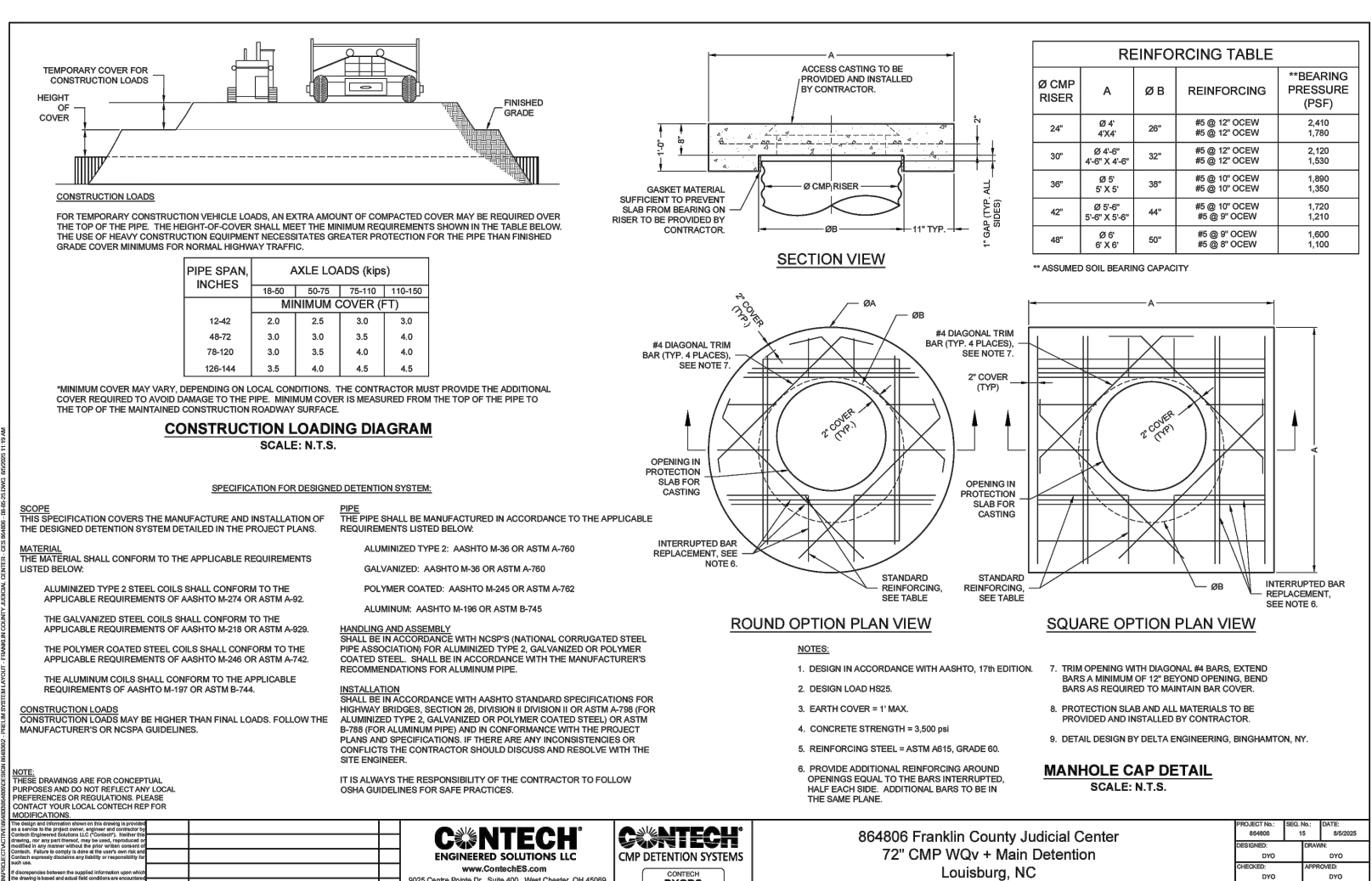
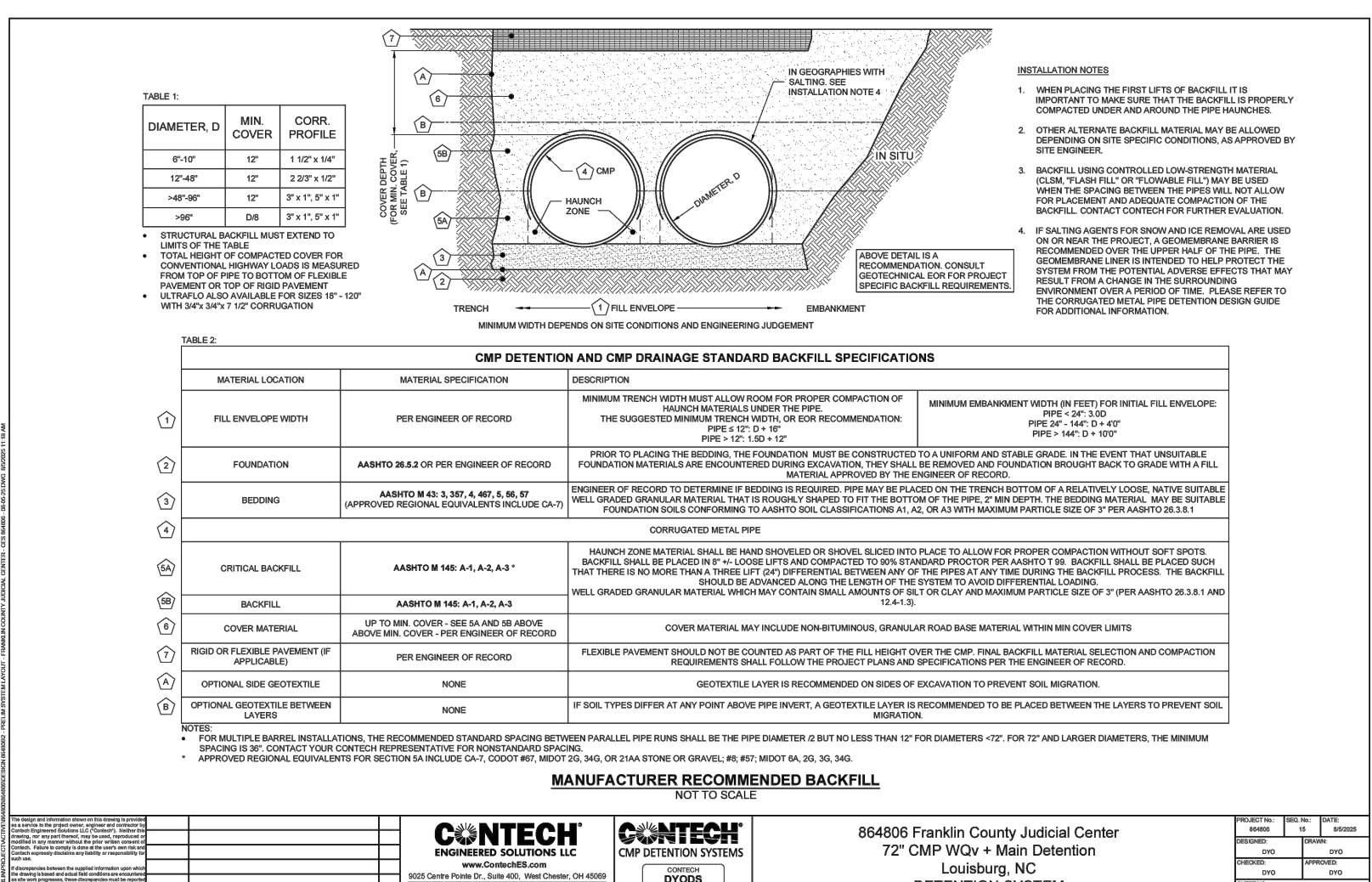
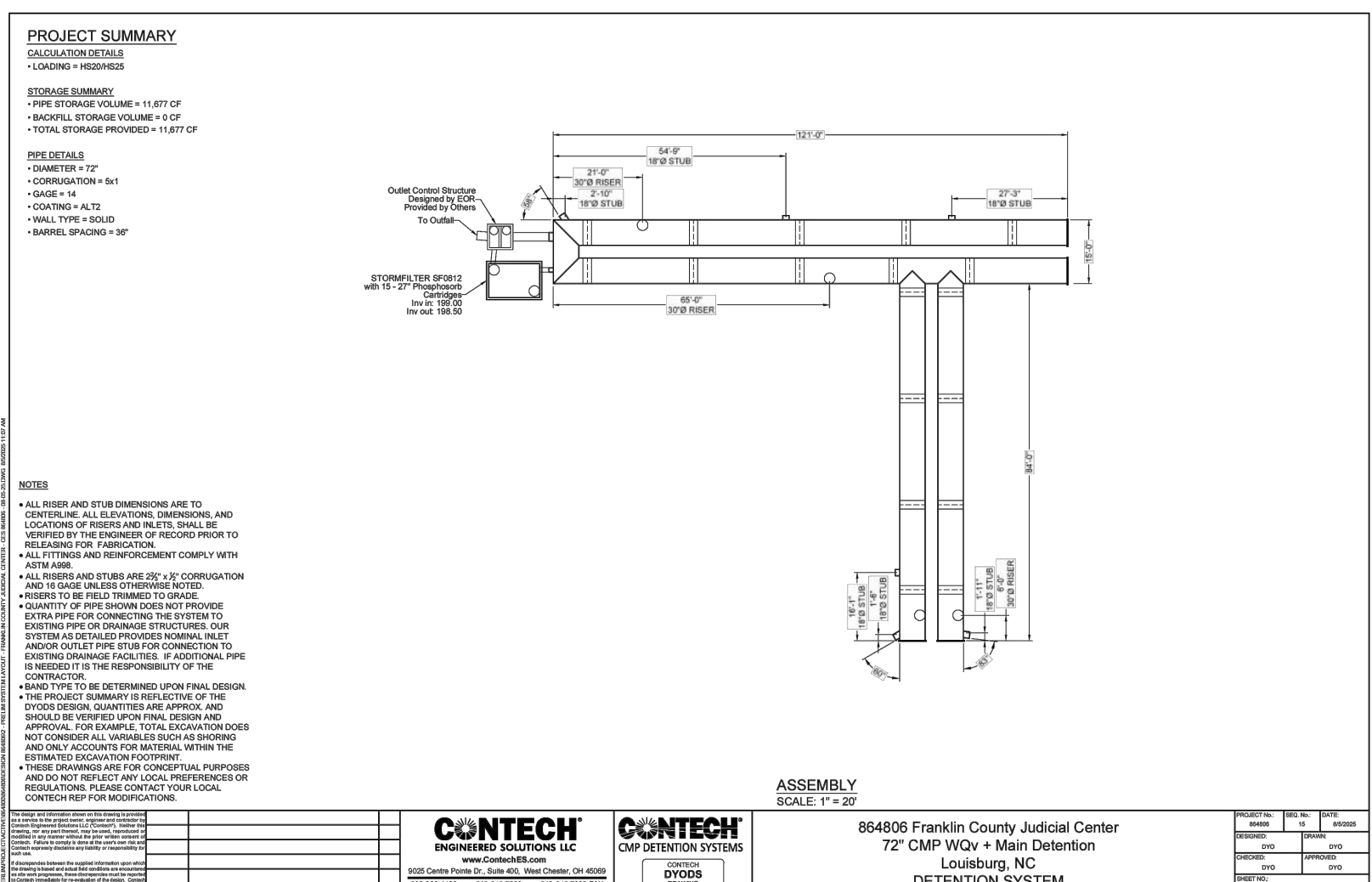
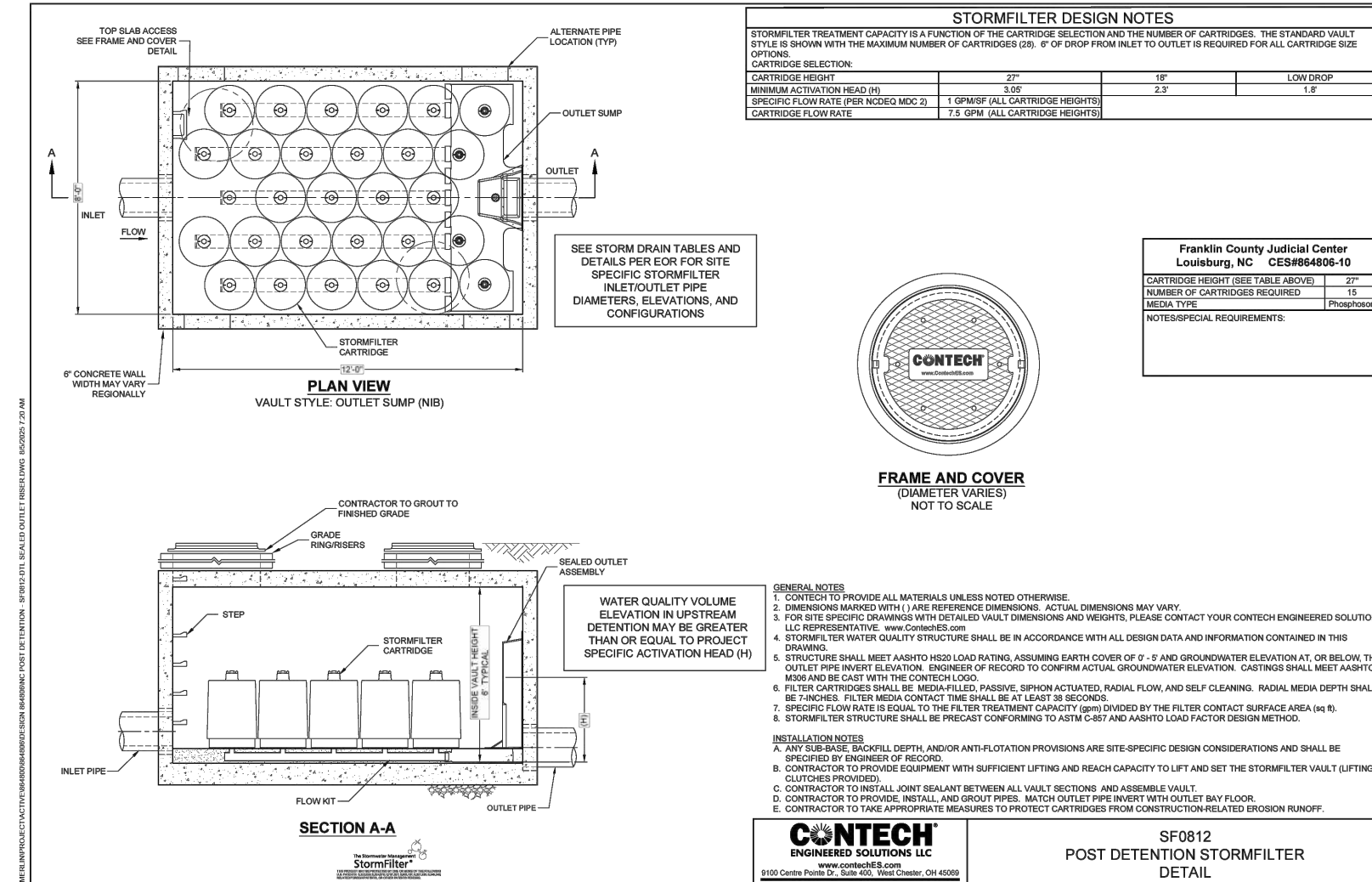
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Drawn By	THR	Sheet No.	C-3.00
Checked By	AMW	Sheet Title	GRADING & DRAINAGE PLAN



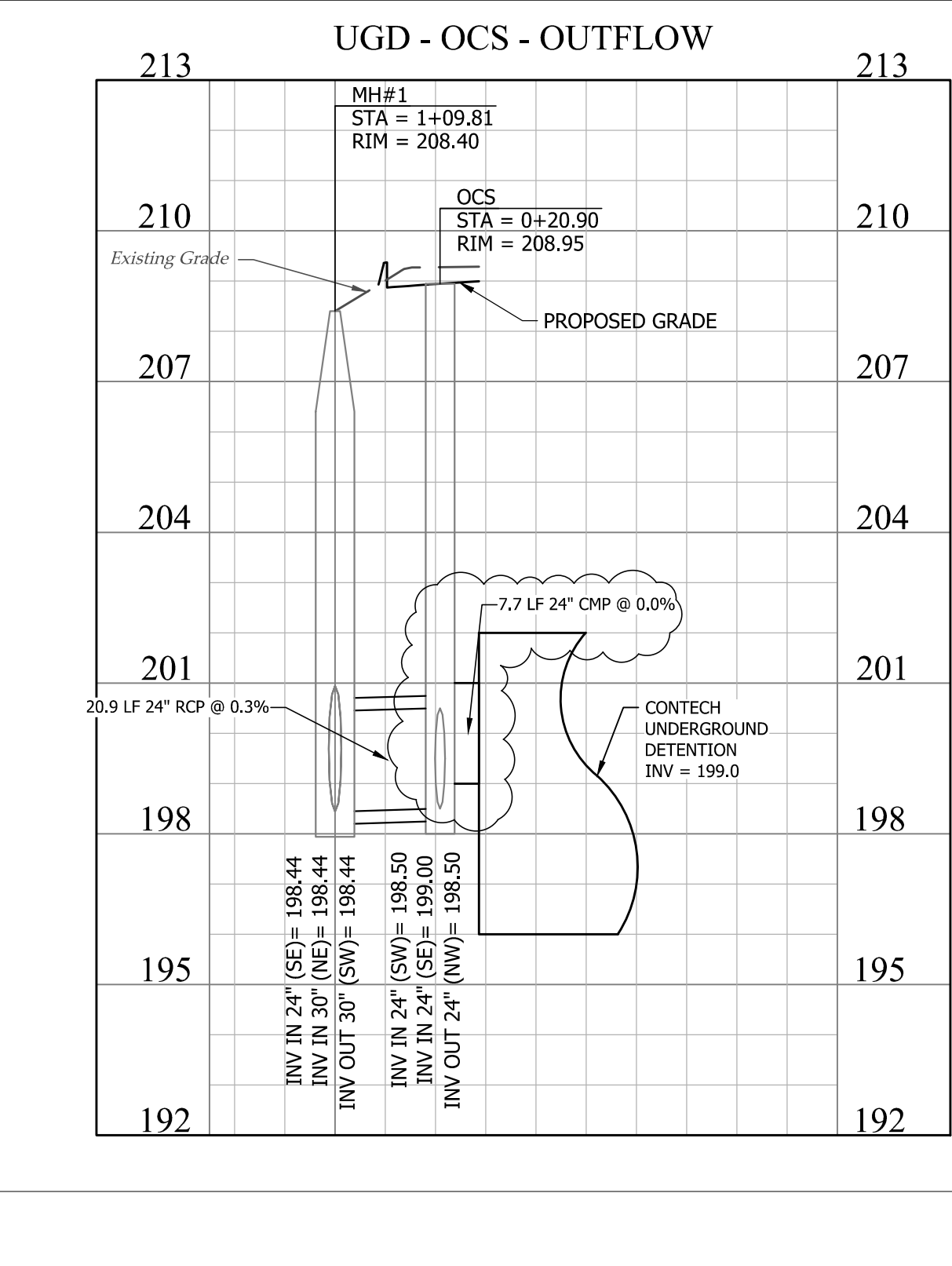
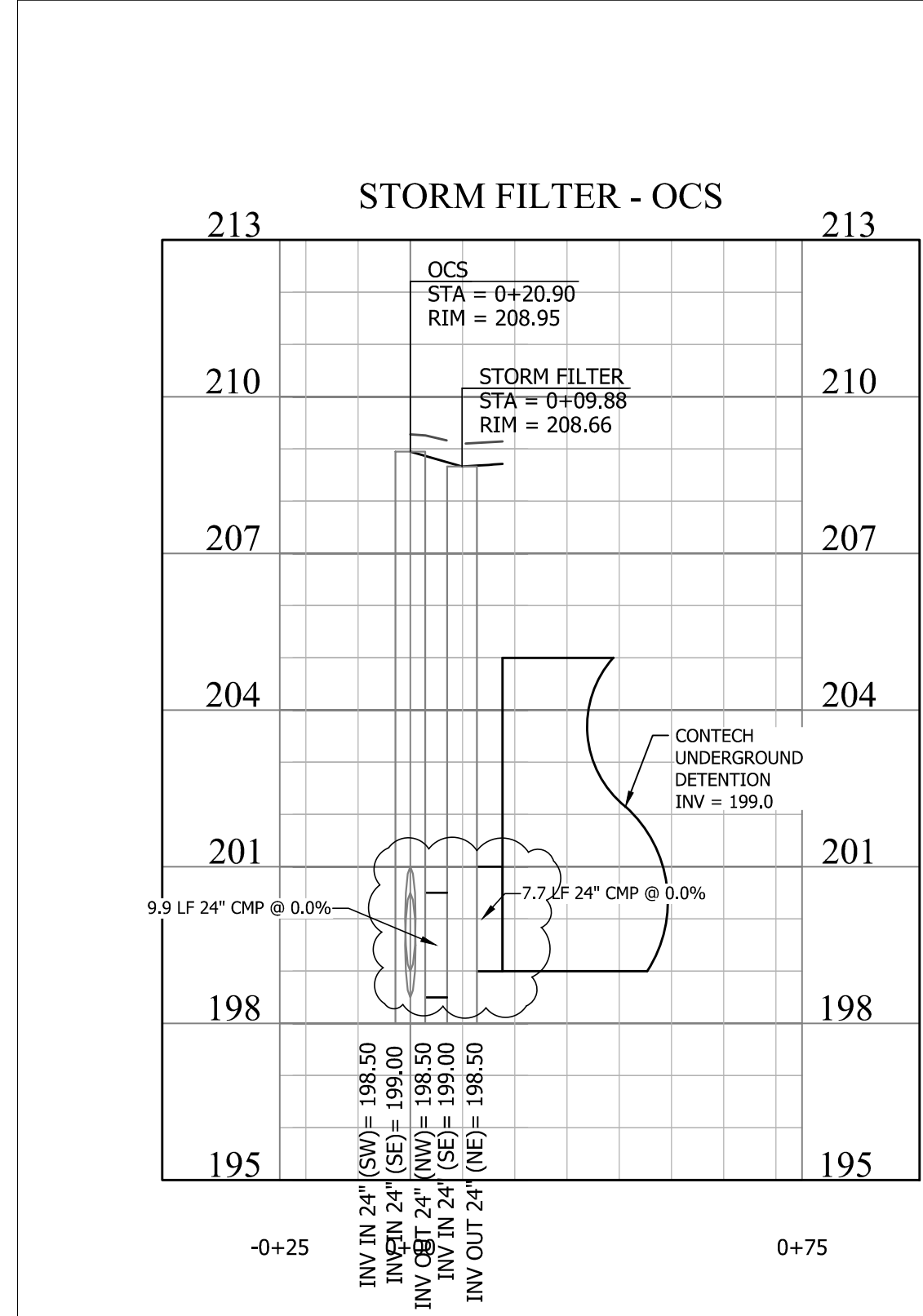
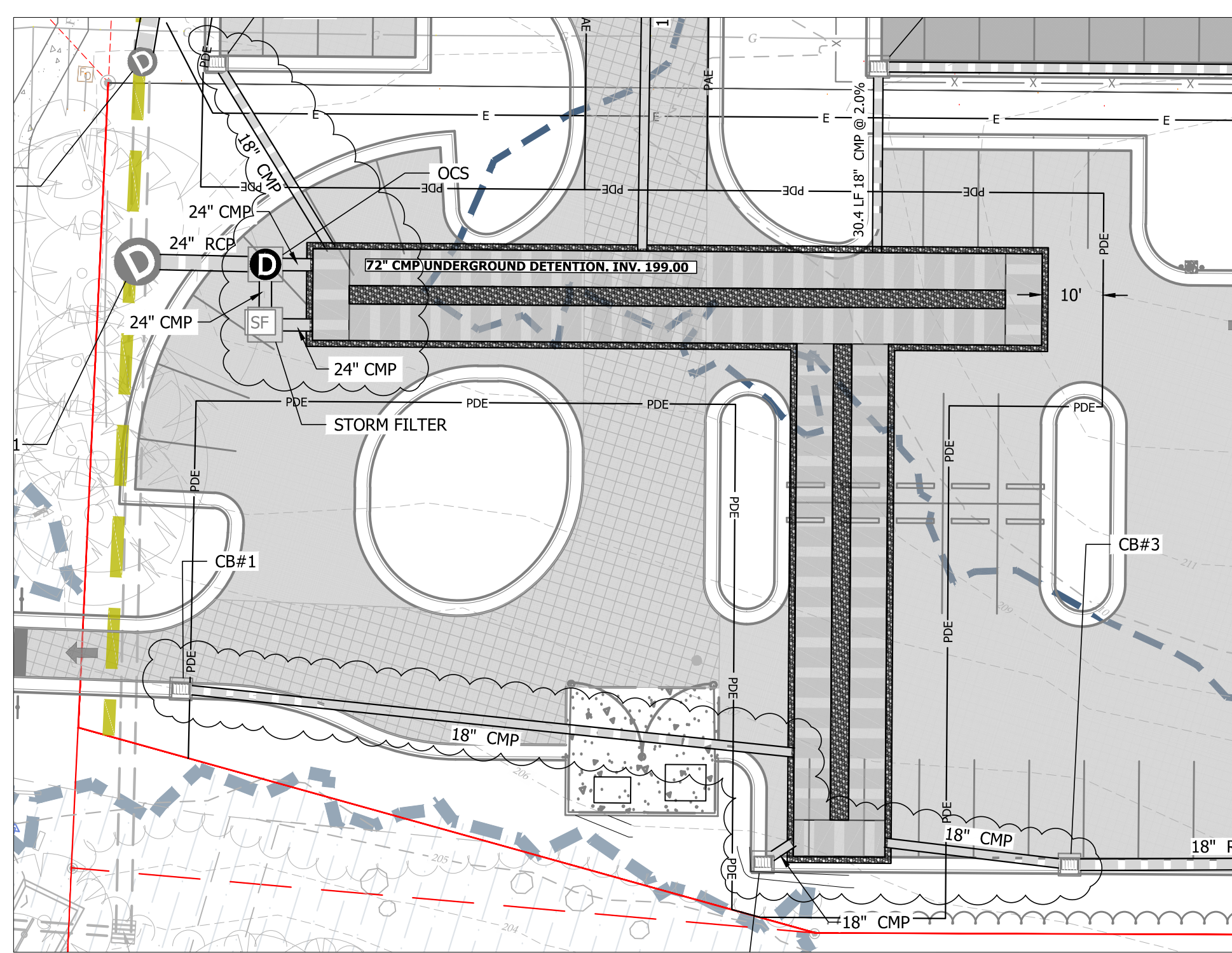
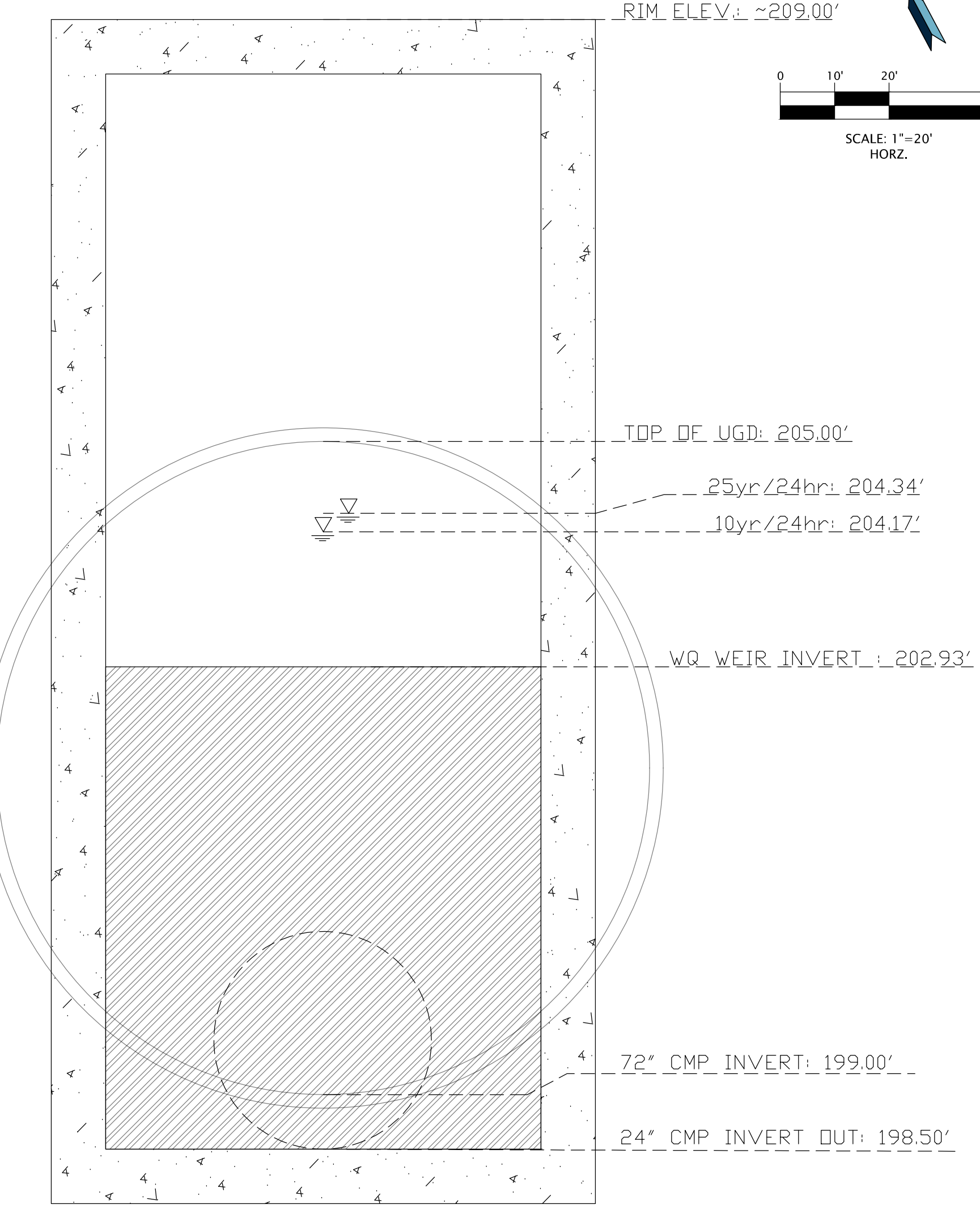


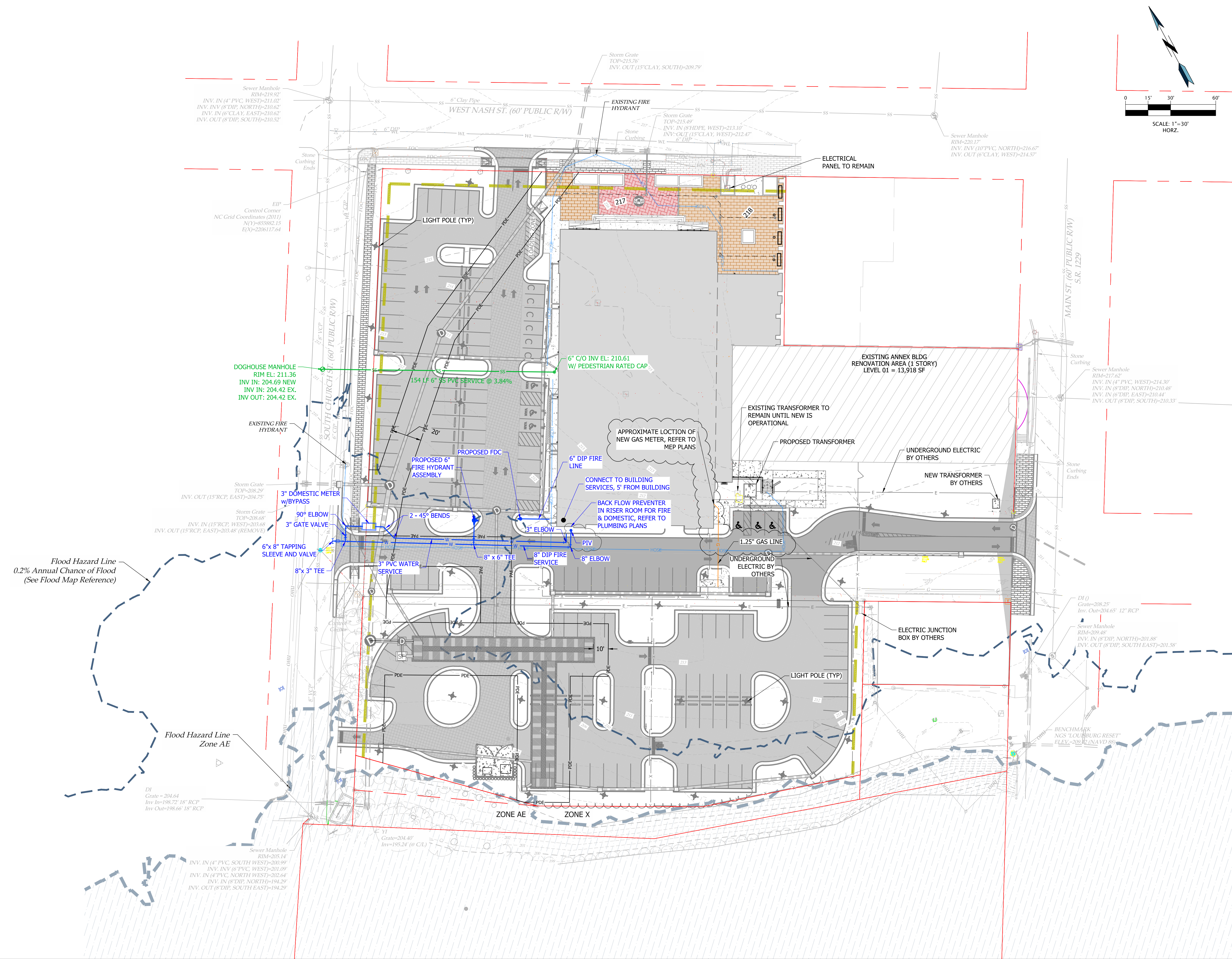






UGD SCM OUTLET CONTROL WEIR (N.T.S)

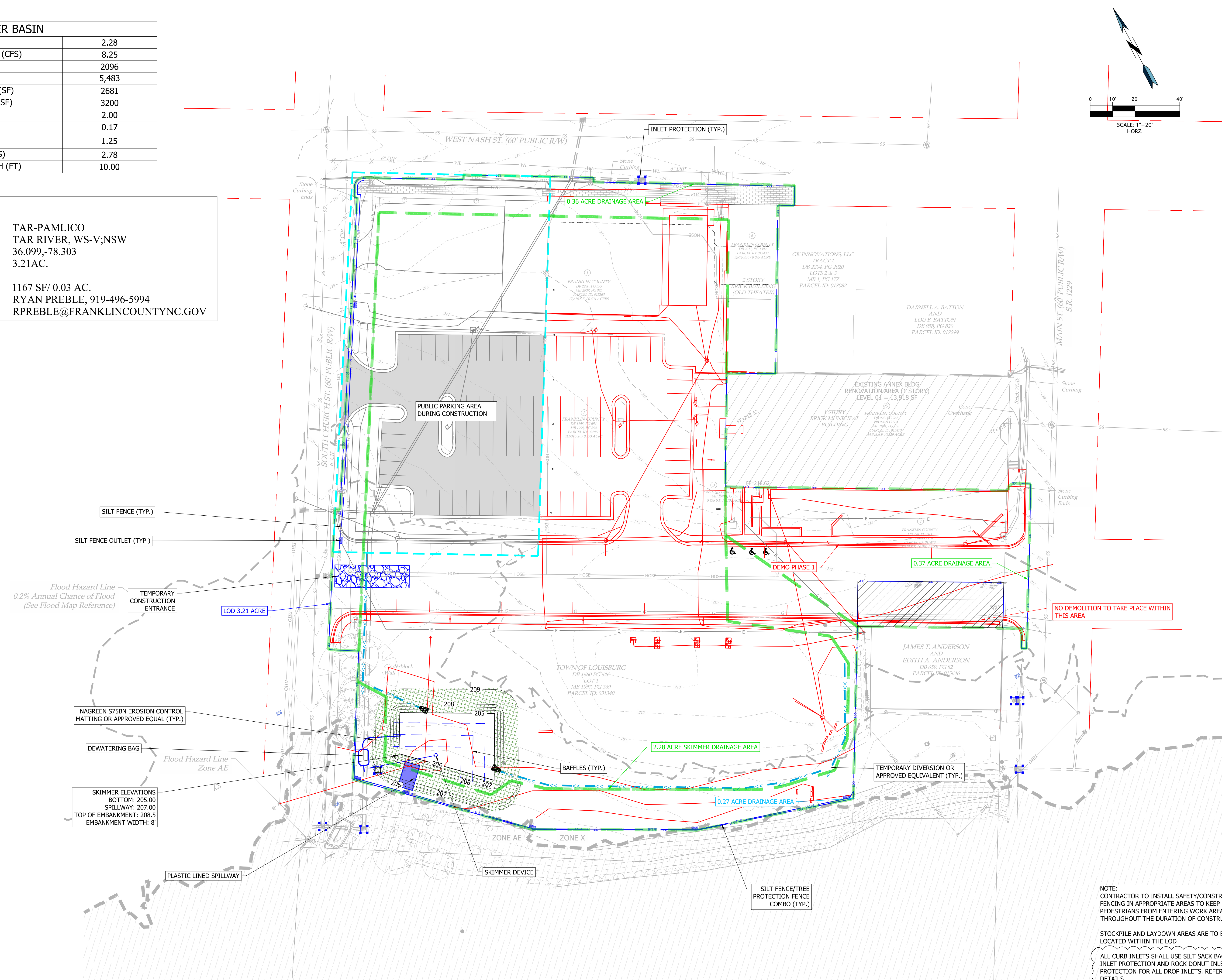




SKIMMER BASIN	
DISTURBED AREA (AC)	2.28
PEAK RUNOFF (10 YR STORM) (CFS)	8.25
REQUIRED VOLUME (CF)	2096
PROVIDED VOLUME (CF)	5,483
REQUIRED SURFACE AREA (SF)	2681
PROVIDED SURFACE AREA (SF)	3200
SKIMMER SIZE (IN)	2.00
HEAD ON SKIMMER (FT)	0.17
ORIFICE SIZE (IN)	1.25
DEWATERING TIME (DAYS)	2.78
EMERGENCY SPILLWAY WIDTH (FT)	10.00

EROSION CONTROL DATA

RIVER BASIN:	TAR-PAMLICO
RECEIVING WATER COURSE:	TAR RIVER, WS-V;NSW
PROJECT LOCATION:	36.099,-78.303
LIMITS OF DISTURBANCE:	3.21AC.
AREA TO BE STABILIZED WITH VEGETATION:	1167 SF/ 0.03 AC.
POINT OF CONTACT:	RYAN PREBLE, 919-496-5994 RPREBLE@FRANKLINCOUNTYNC.GOV



NOTE:
CONTRACTOR TO INSTALL SAFETY/CONSTRUCTION FENCING IN APPROPRIATE AREAS TO KEEP PEDESTRIANS FROM ENTERING WORK AREA THROUGHOUT THE DURATION OF CONSTRUCTION

STOCKPILE AND LAYDOWN AREAS ARE TO BE LOCATED WITHIN THE LOD

ALL CURB INLETS SHALL USE SILT SACK BAGS FOR INLET PROTECTION AND ROCK DONUT INLET PROTECTION FOR ALL DROP INLETS. REFER TO DETAILS.

BID SET
FRANKLIN JUDICIAL CENTER

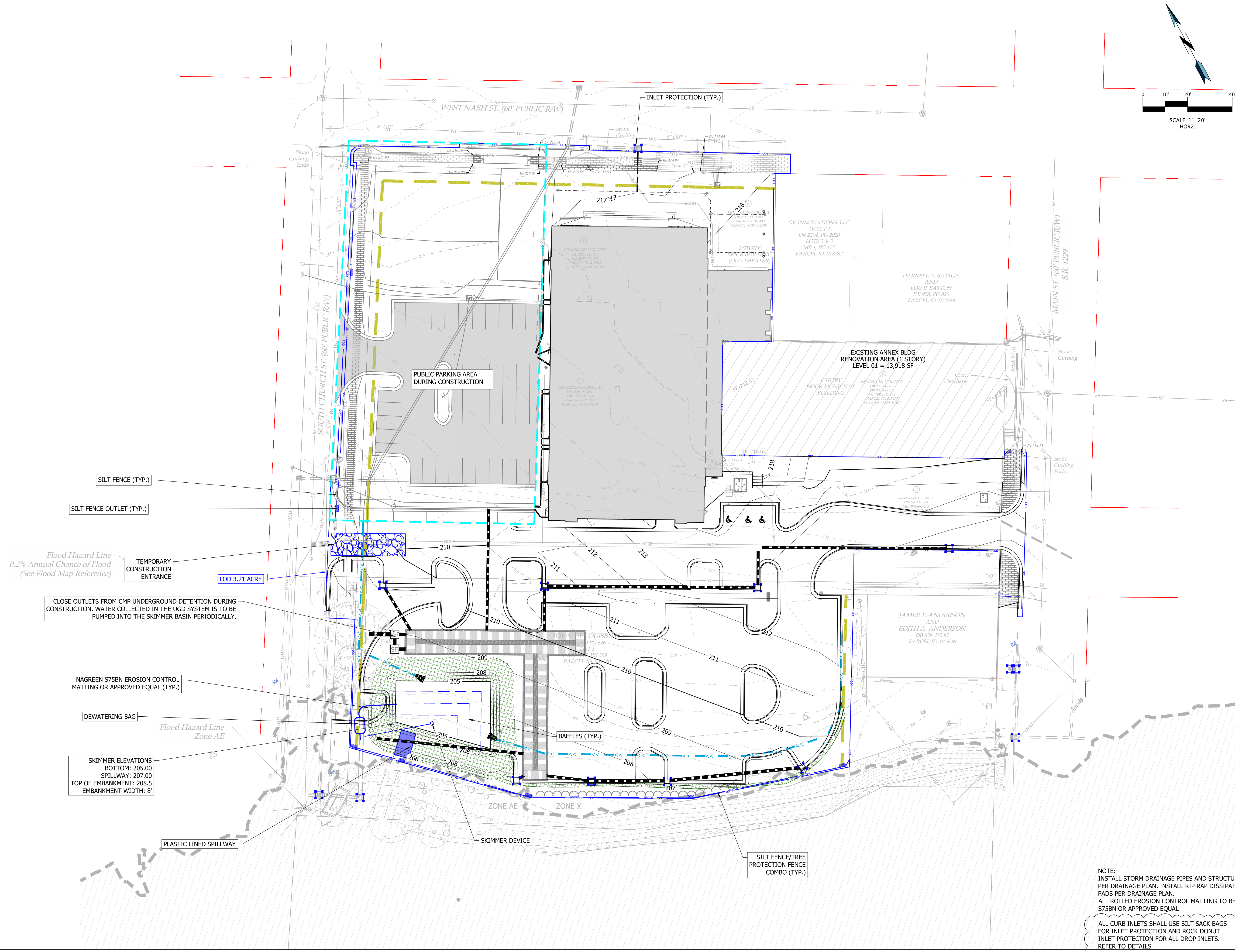
BID SET
FRANKLIN J
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549

OCA
OAKLEY
COLLIER
ARCHITECTS

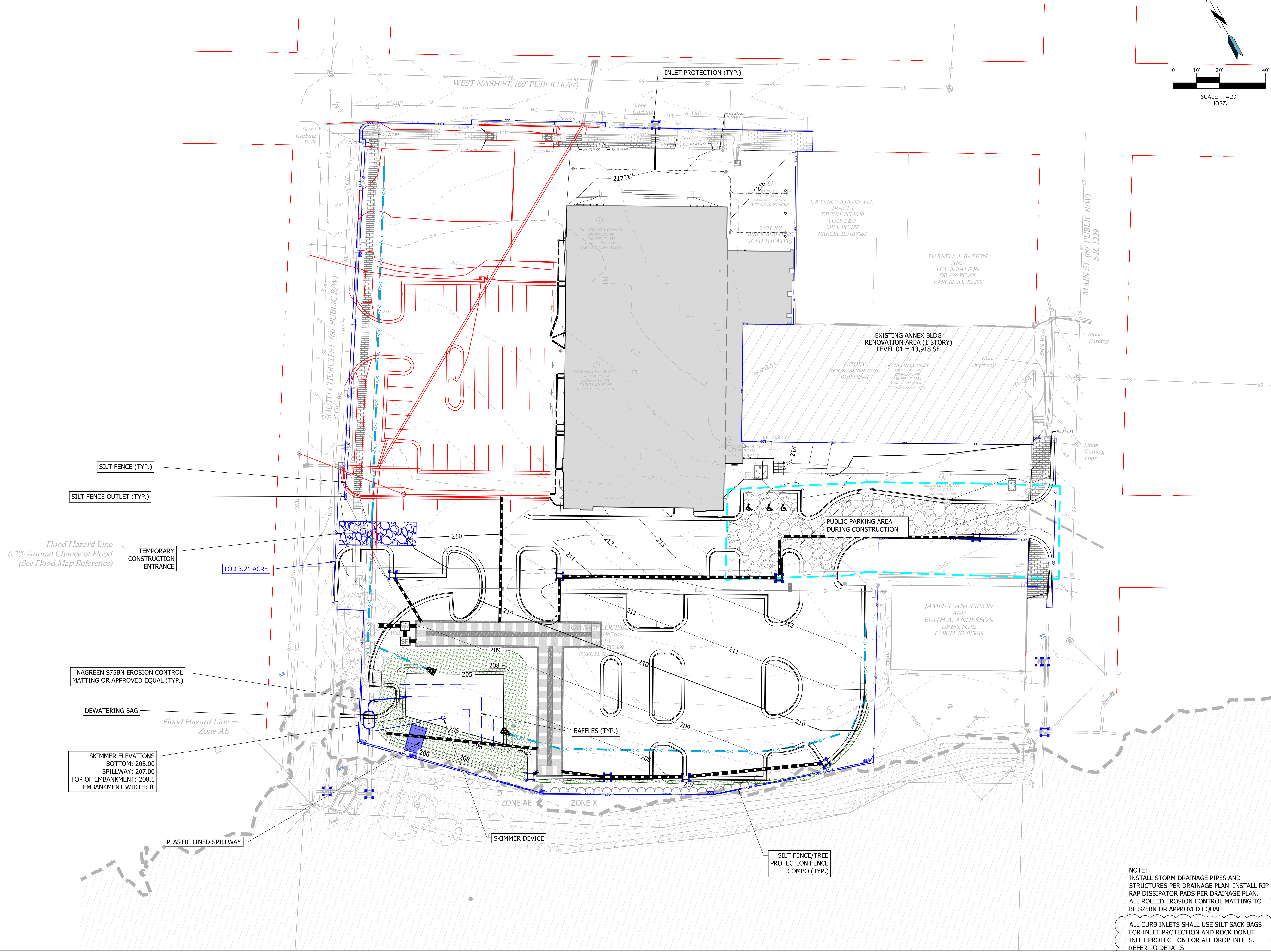
AKC/MILCS
Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
305 W. Marlin Street, Raleigh, NC 27601

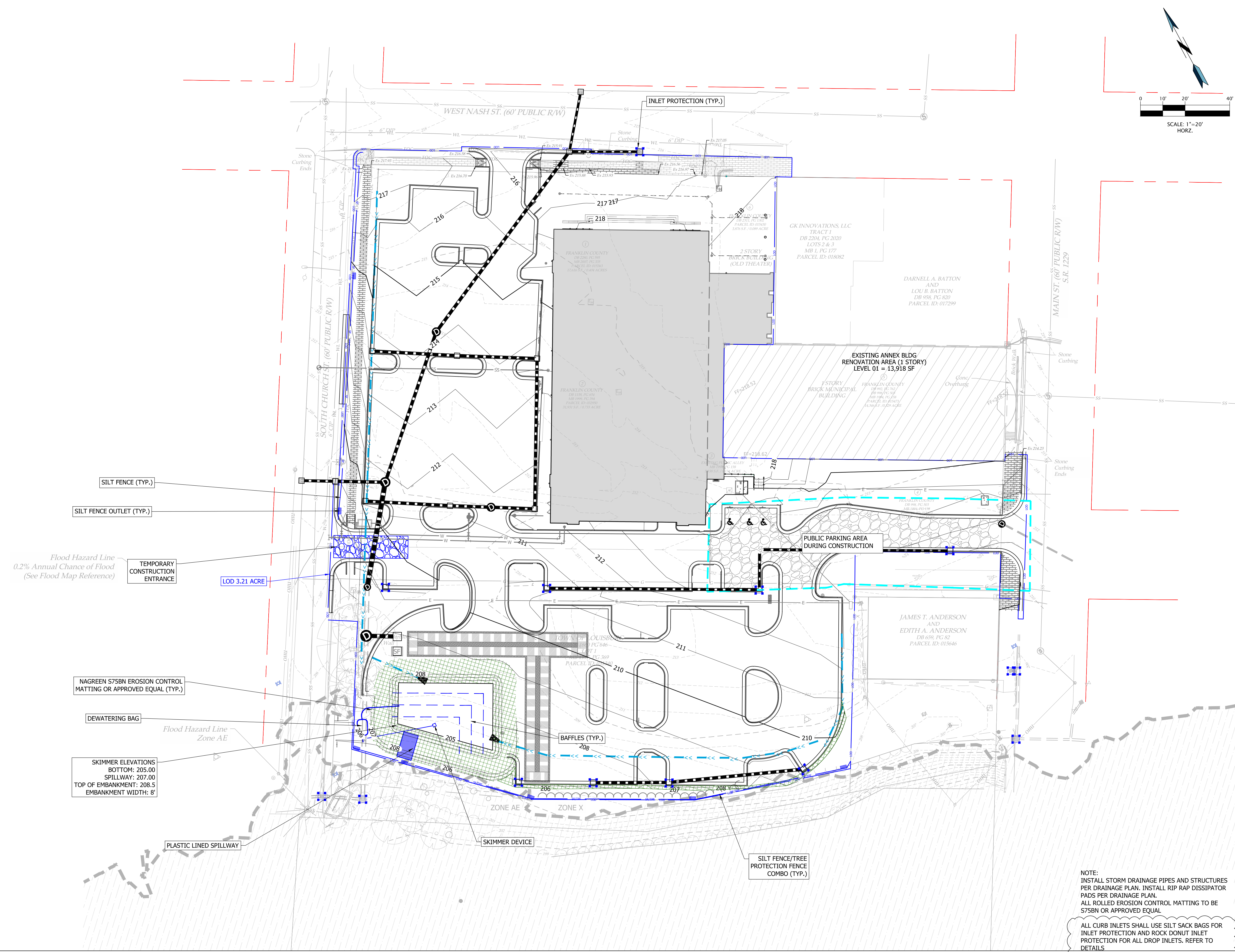
Wooten

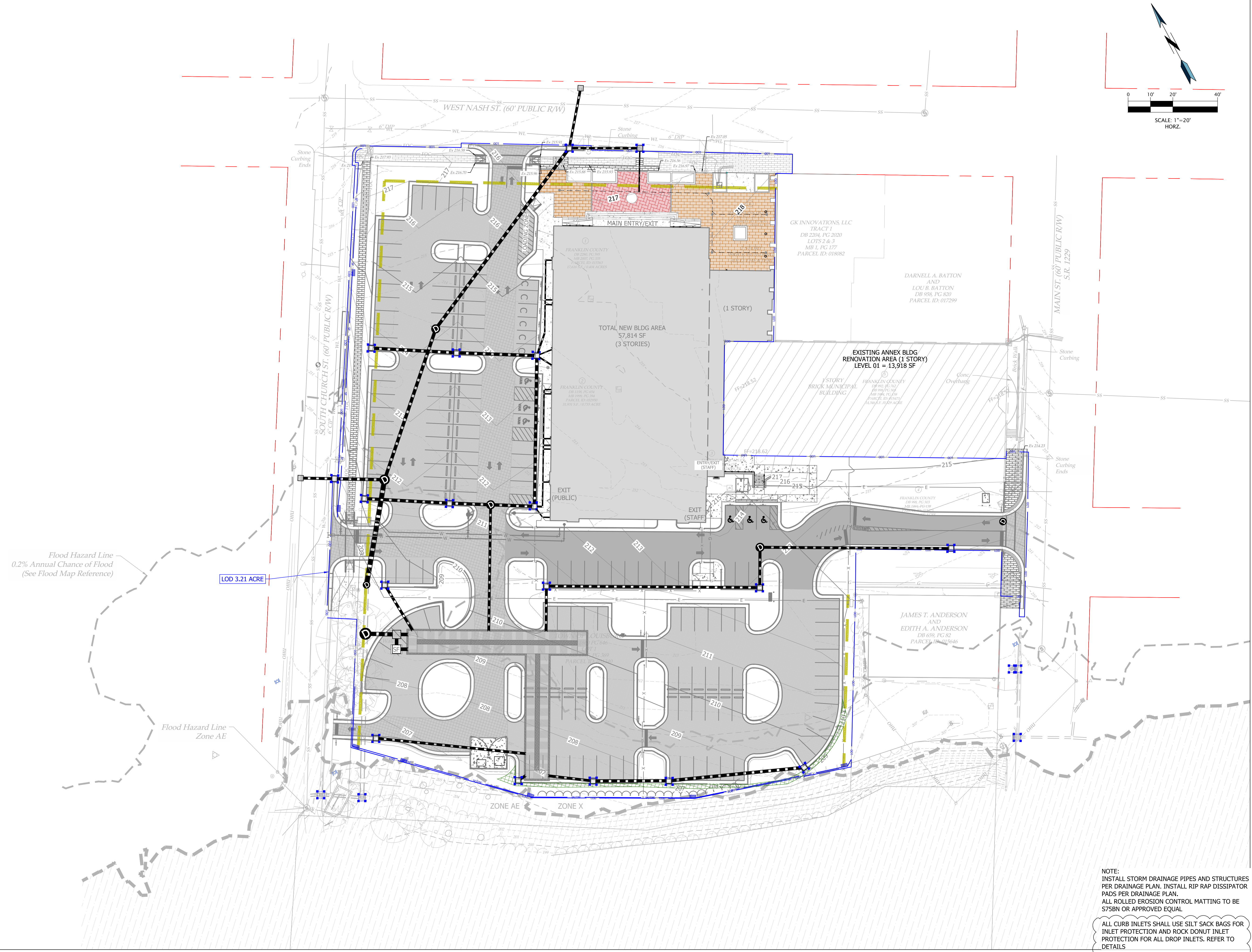
9 Brookstown Ave, Suite 100 • Winston-Salem, NC 27101
(336) 722-5326 • thewootencompany.com
License Number : F-0115



NOTE:
INSTALL STORM DRAINAGE PIPES AND STRUCTURES
PER DRAINAGE PLAN. INSTALL RIP RAP DISSIPATOR
PADS PER DRAINAGE PLAN.
ALL ROLLED EROSION CONTROL MATTING TO BE
S75BN OR APPROVED EQUAL.
ALL CURB INLETS SHALL USE SILT SACK BAGS
FOR INLET PROTECTION AND ROCK DONUT
INLET PROTECTION FOR ALL DROP INLETS.
REFER TO DETAILS.







GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
1	BID SET - Add 1	9/12/2025

Date: 9/02/25
Project No.: 21054

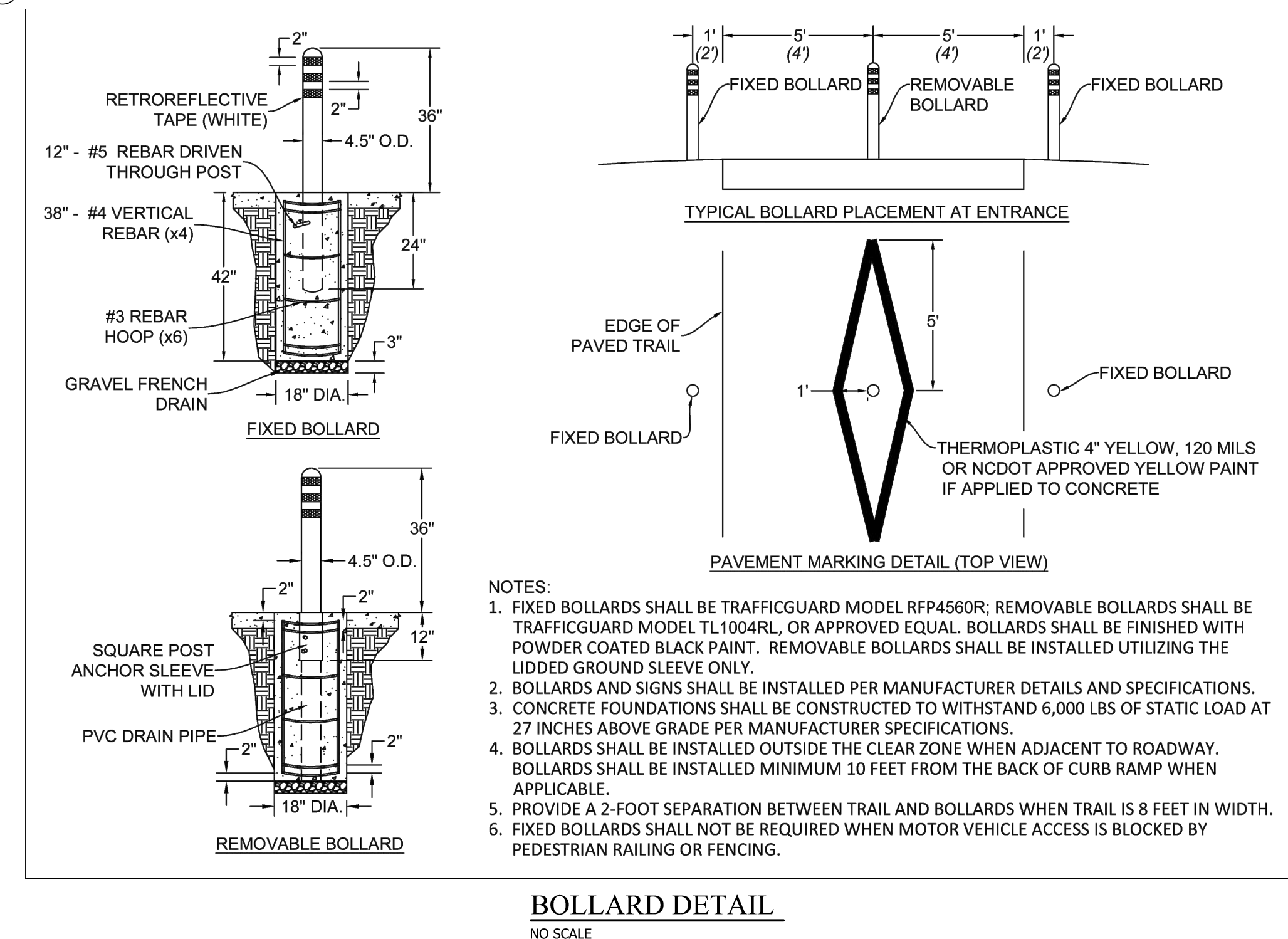
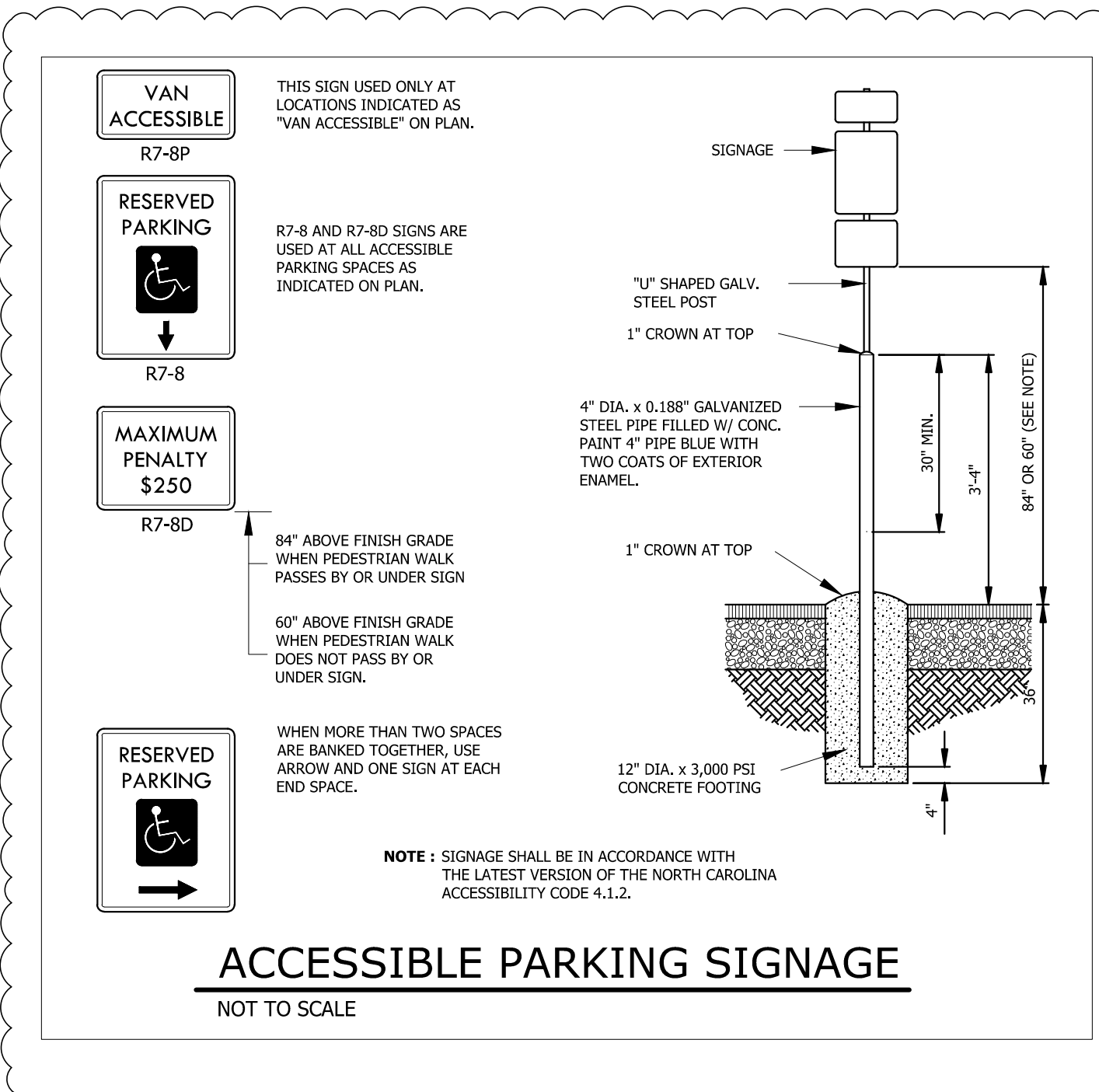
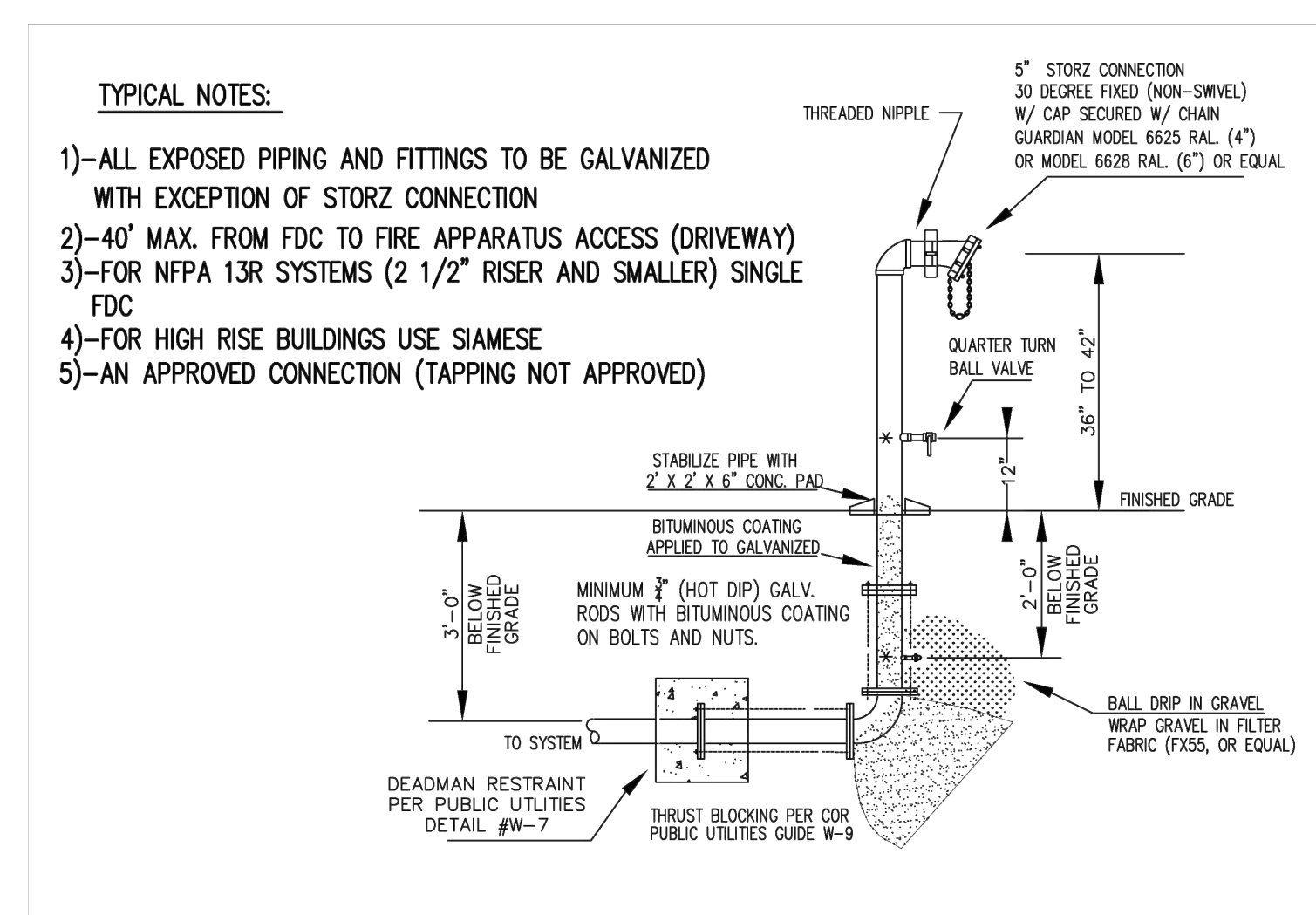
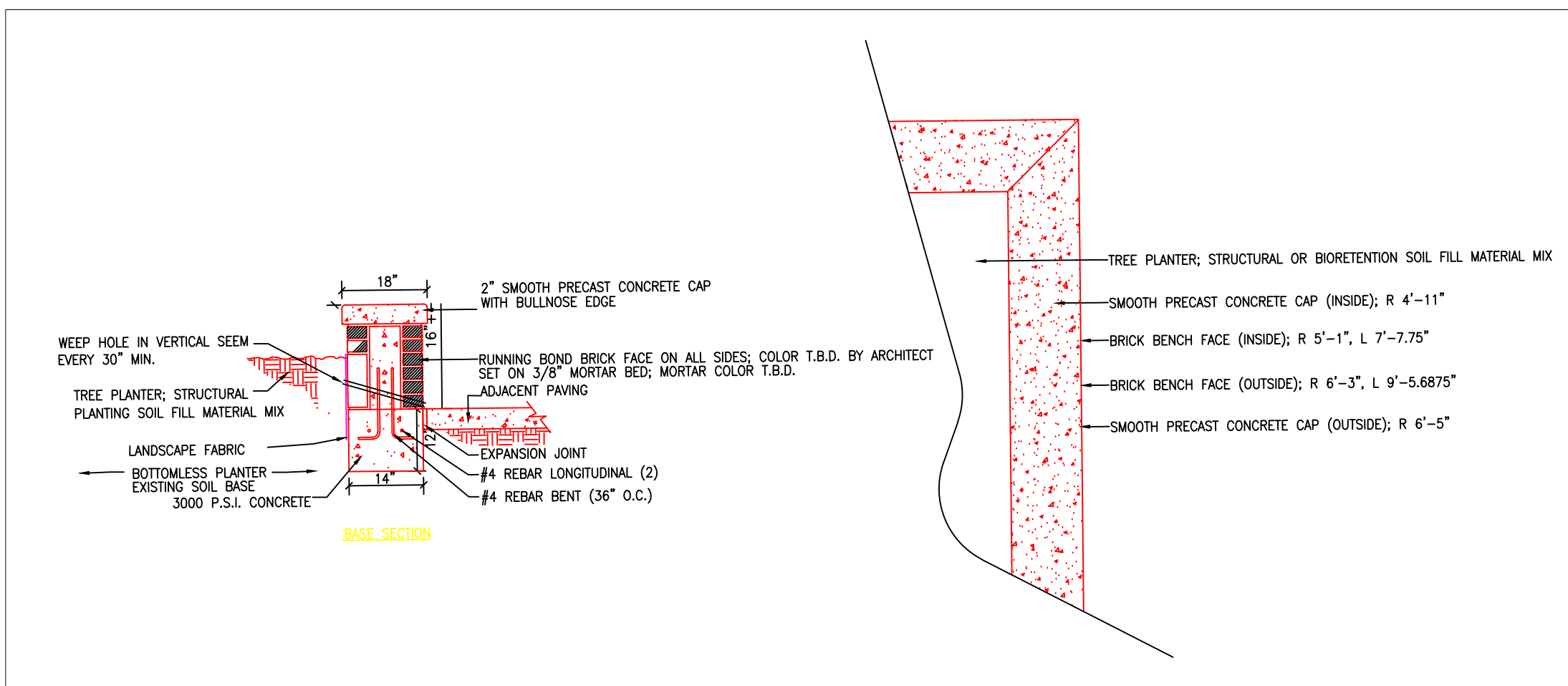
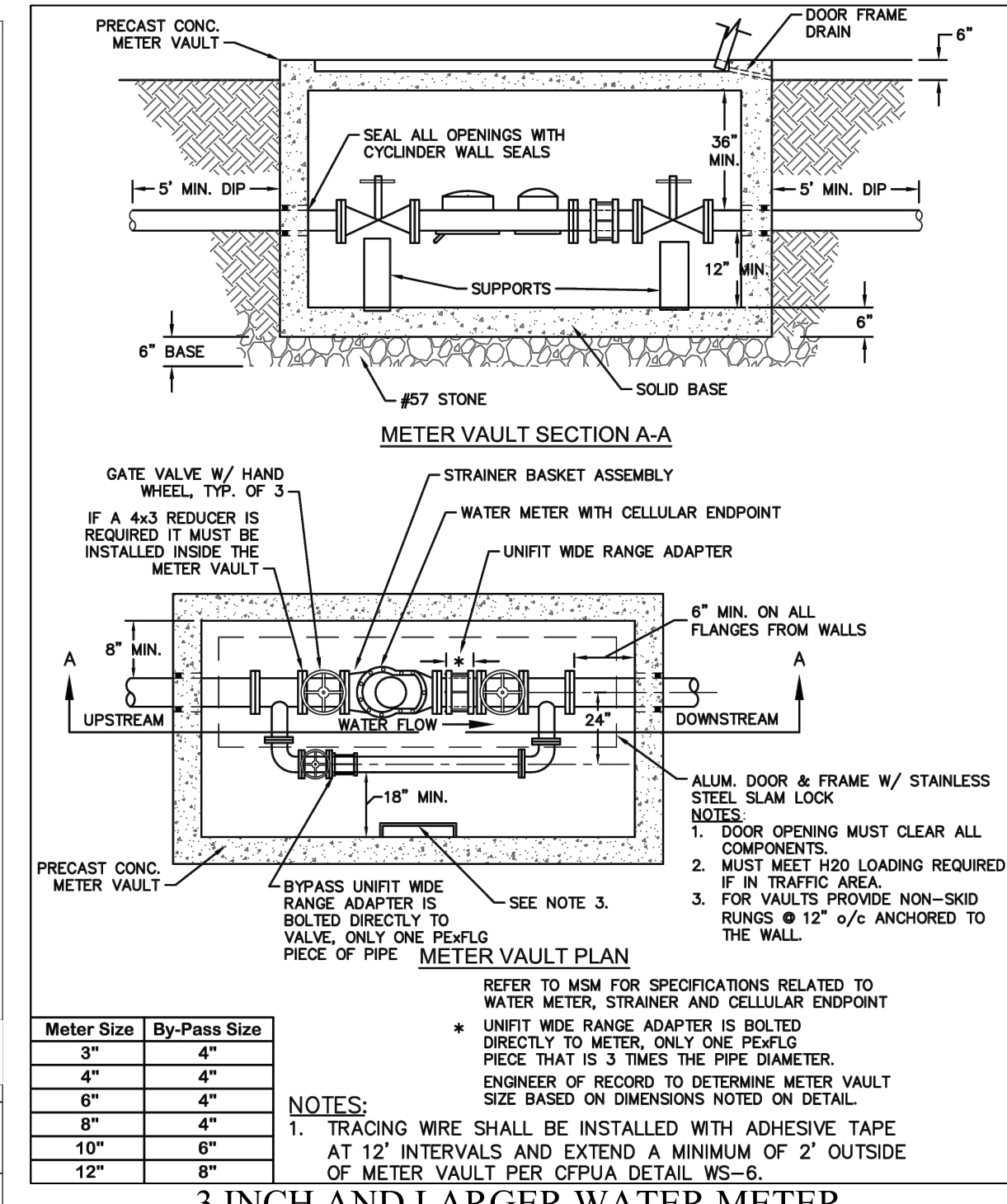
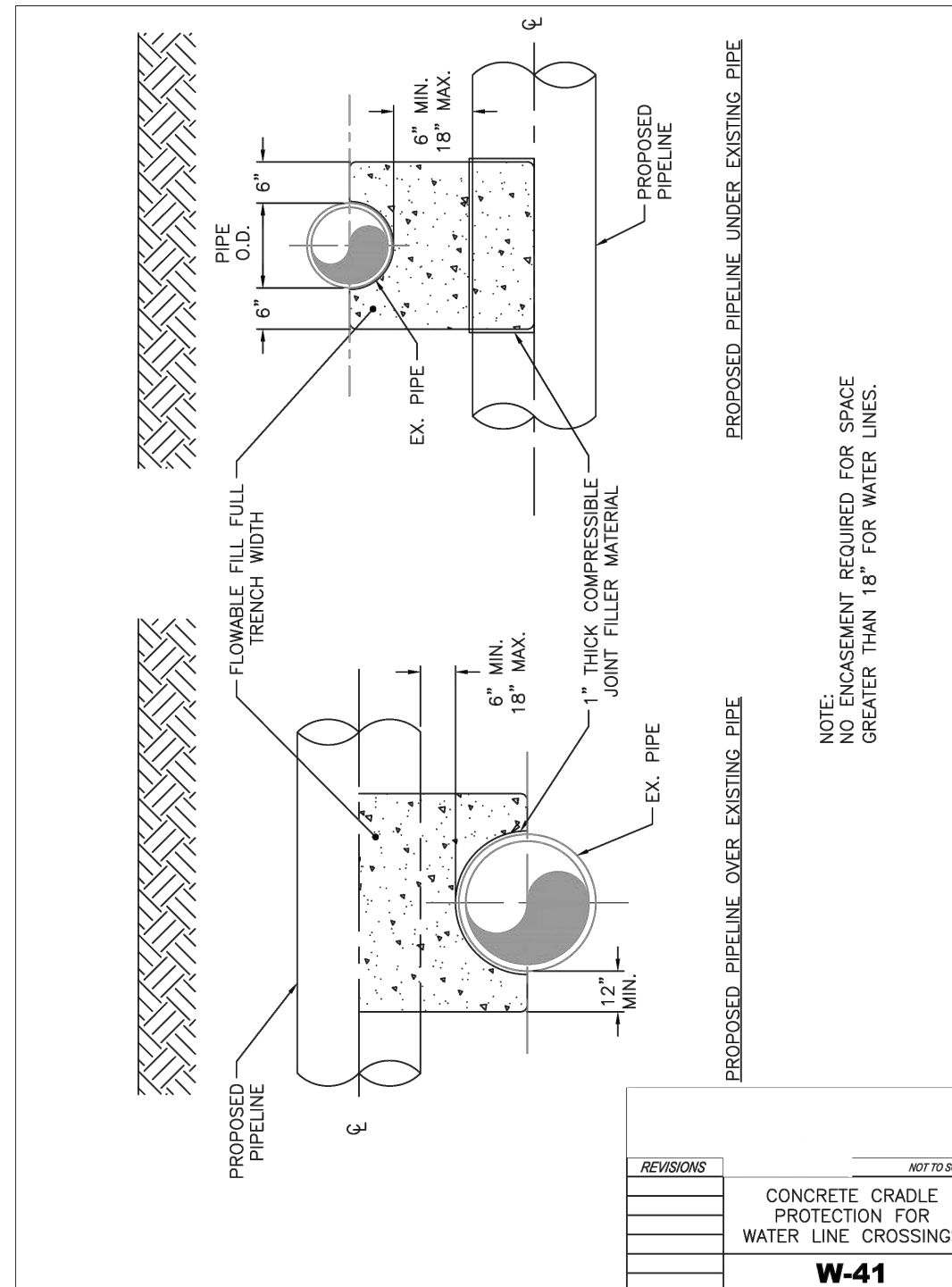
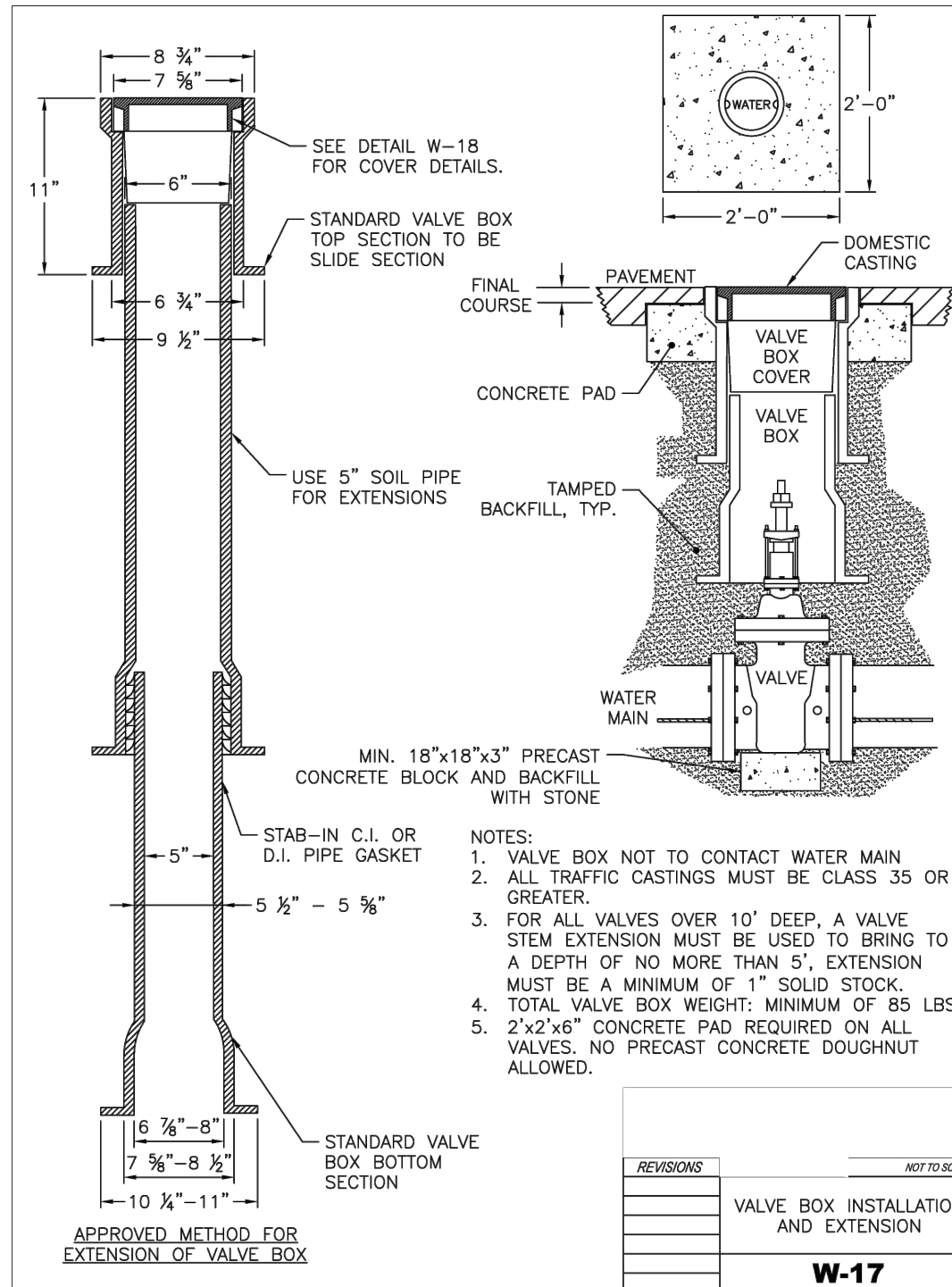
Drawn By: THR
Checked By: AMW
Sheet No.: C-5.04

Sheet Title:
EROSION CONTROL PLAN - PHASE 3


BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549

Wooten
119 Broadstone Ave. Suite 100 • Winston-Salem, NC 27101
(336) 722-5325 • info@wooten.com
License Number: 1-P-0116

OAKLEY COLLIER ARCHITECTS
OCA
107 Cordlewood Road, Rocky Mount, NC 27854 (P) 252.937.2500
305 N. Main Street, Raleigh, NC 27601



PAVERS



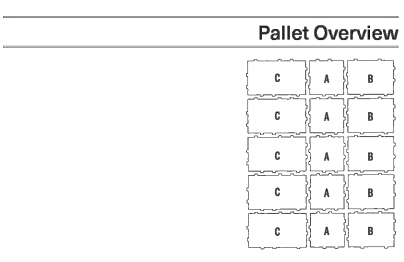
PURE
DESCRIPTION: Paver TEXTURE: Beveled

VALET
DESCRIPTION: Paver TEXTURE: Bevel

Specifications per pallet

	Imperial	Metric
Product dimension L x W x H	9' x 8' x 3 1/4"	229 x 229 x 80
Product dimension L x W x H	12' x 8' x 3 1/4"	305 x 229 x 80
Product dimension L x W x H	15' x 8' x 3 1/4"	381 x 229 x 80
Cubing	90 ft³	8.38 m³
Approx. Weight	3 175 lbs	1 440 kg
Number of rows	9	
Coverage per row	11.25 ft²	1.05 m²
Lin. coverage per row	15 in./ft	4.87 in./m

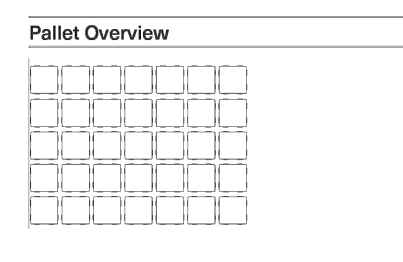
Pallet Overview



Specifications per pallet

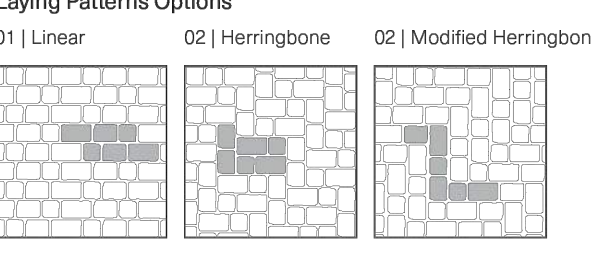
	Imperial	Metric
Product dimension L x W x H	6' x 6' x 2 1/4"	165 x 165 x 60
Cubing	82.31 ft³	8.88 m³
Approx. Weight	2 381 lbs	1 060 kg
Number of rows	9	
Coverage per unit	10.25 ft²	0.95 m²
Lin. coverage per row	18.95 in./ft	5.78 in./m

Pallet Overview



Laying Patterns Options

01 | Linear 02 | Herringbone 03 | Modified Herringbone



NOTES

See page 6 for icons description.
See page 6 for more technical information. When used in permeable pavement applications, see page 6 for more technical information.
See page 10 for more information about applications.

JOINT WIDTH: 1/16" (1.5 mm)
% OF SURFACE OPENINGS: 0.1%
INFILTRATION RATE: 720 in./hr (18 400 mm/hr)

The use of permeable pavement systems throughout the world has proven effective in reducing storm water runoff while increasing infiltration rates as it returns the water to the environment. The use of permeable pavers also facilitates LEED® certification water to drain.

102

89

62

63

INSTALLATION GUIDE
INTERLOCKING CONCRETE PAVEMENT

VIBRATING PLATE ALERT!
Avoid scuffs on paver surfaces. Pavers with embossed surface (high and low points) are more susceptible to scuff marks from plate compactors. Techo-Bloc recommends the use of urethane mats between the plate and the paver surface when compacting. Techo-Bloc will not be held responsible for compaction scuffs or burns on pavers.

THICKNESS OF THE GRANULAR FOUNDATION*	
RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL
Driveways¹	Clayey or Silty²
	Sandy or Gravelly
Pavement and Walkways¹	
	Clayey or Silty²
	Sandy or Gravelly

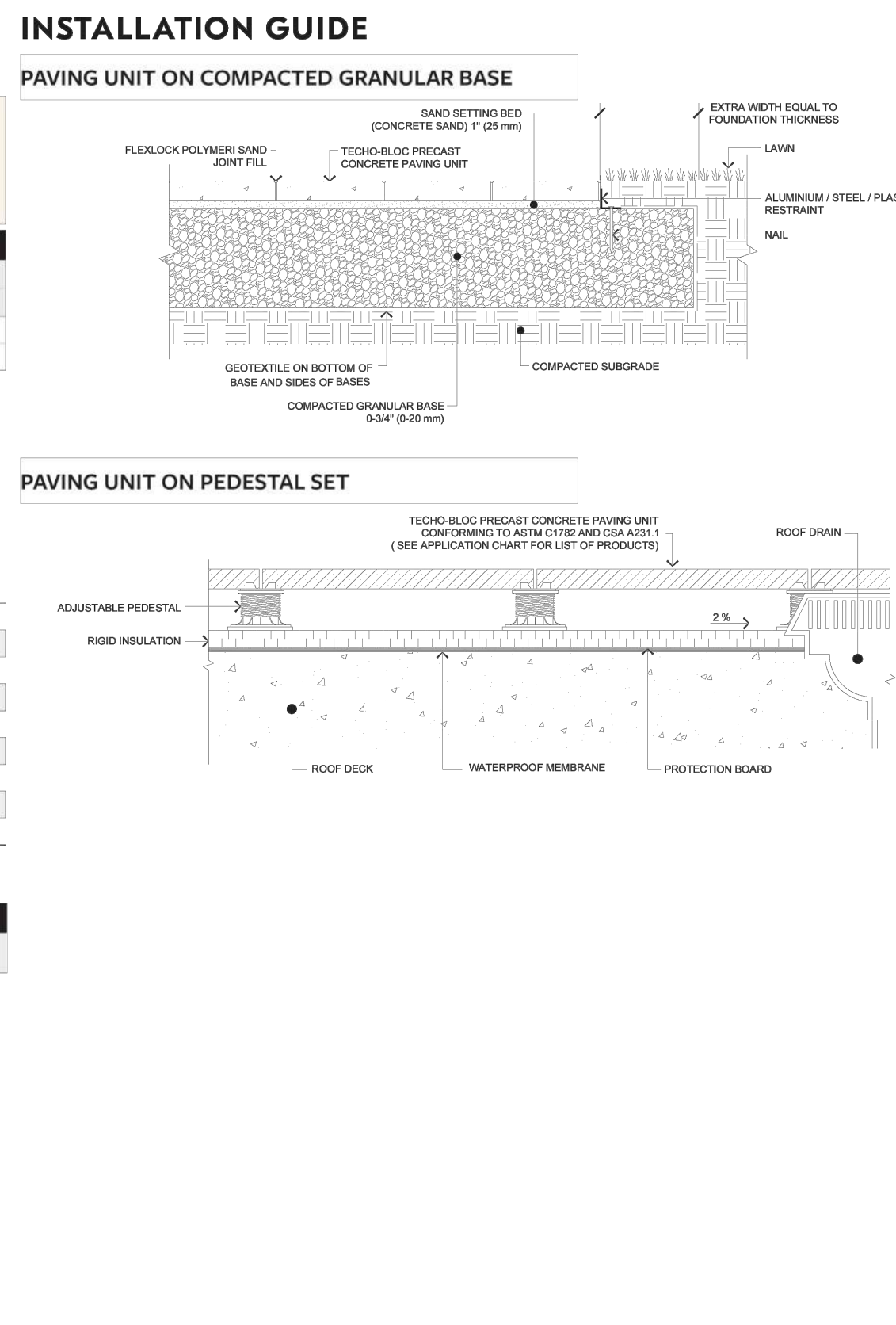
1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected by the freeze-thaw cycles, a thicker foundation may be necessary. For soils with these conditions or for commercial, industrial, or institutional works, a geotechnical professional should be consulted.
3. For the province of Quebec, the typical range is:
- For clayey or silty soils: 12" to 20"
- For sandy or gravelly soils: 6" to 14"
4. For the province of Quebec, the typical range is:
- For clayey or silty soils: 12" to 14"
- For sandy or gravelly soils: 6" to 8"

QUANTITY CHART FOR JOINTS FILLING - FLEXLOCK POLYMER SAND Approximate surface coverage per bag of 50 lbs (22.7 kg).

PRODUCTS	sq. ft	sq. m
Antika	21	2
Blu 80 mm	76.5	7.11
Blu 80 mm (6" x 13")	31.97	2.97
Diamond	28.4	2.64
Eva	143.56	13.34
Hesa 100 mm	61.1	5.7
Industria 150 series - 150x150	31.6	2.94
Industria 200 series - 200x200	41.03	3.81
Industria 300 series - 300x300	54.57	5.07
Industria 300 series - 300x200	30.77	2.86
Industria 300 series - 300x150	41	3.81
Industria 300 series - 300x900	61.39	5.70
Industria 450 series - 450x150	33.5	3.11
Industria 450 series - 450x150	46.4	4.31
Industria 450 series - 450x150	73.5	6.83
Industria 600 series - 600x100	35.06	3.26
Industria 600 series - 600x200	61.32	5.70
Industria 600 series - 600x300	81.72	7.59
Industria 600 series - 600x600	122.48	11.38
Industria 900 series - 900x150	103.1	9.6
Industria 900 series - 900x150	166.5	15.5
Industria 900 series - 900x150	208.4	19.4
Industria Triangle	36.0	3.3
Lines small rectangles	31.47	2.92
Lines large rectangles	42.33	3.93

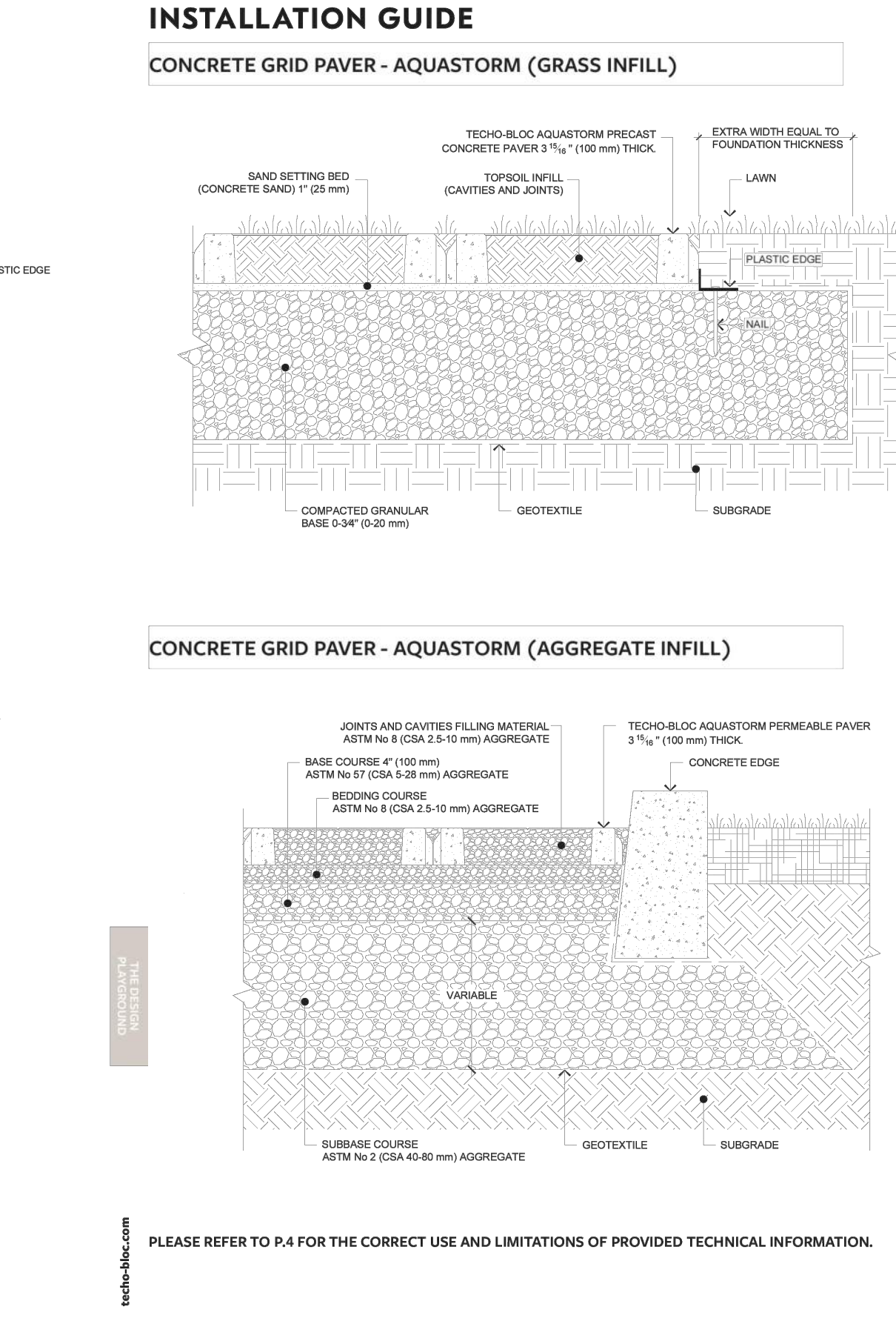
INSTALLATION GUIDE
PAVING UNIT ON COMPACTED GRANULAR BASE

PAVING UNIT ON PEDESTAL SET



INSTALLATION GUIDE
CONCRETE GRID PAVER - AQUASTORM (GRASS INFILL)

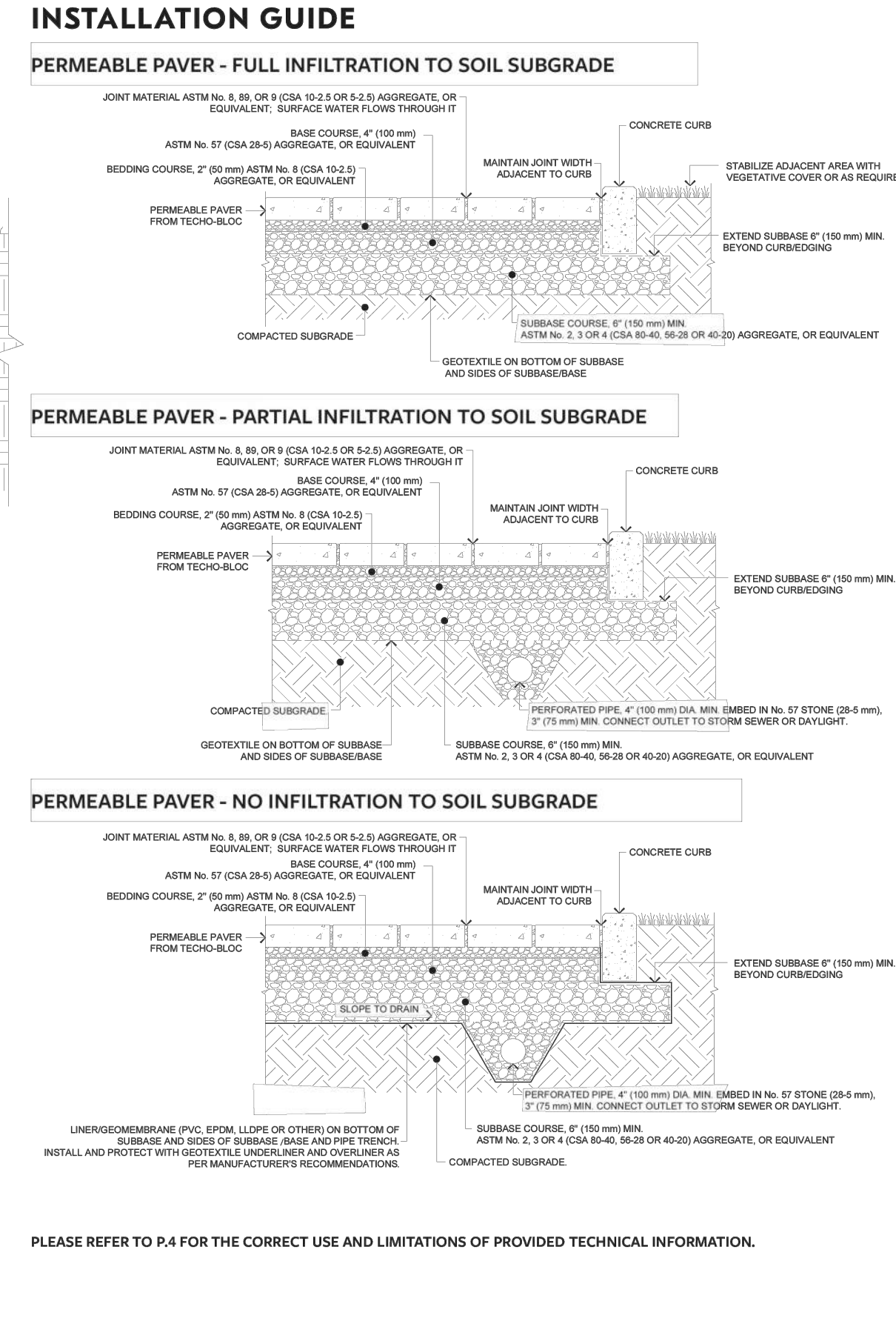
CONCRETE GRID PAVER - AQUASTORM (AGGREGATE INFILL)



INSTALLATION GUIDE
PERMEABLE PAVER - FULL INFILTRATION TO SOIL SUBGRADE

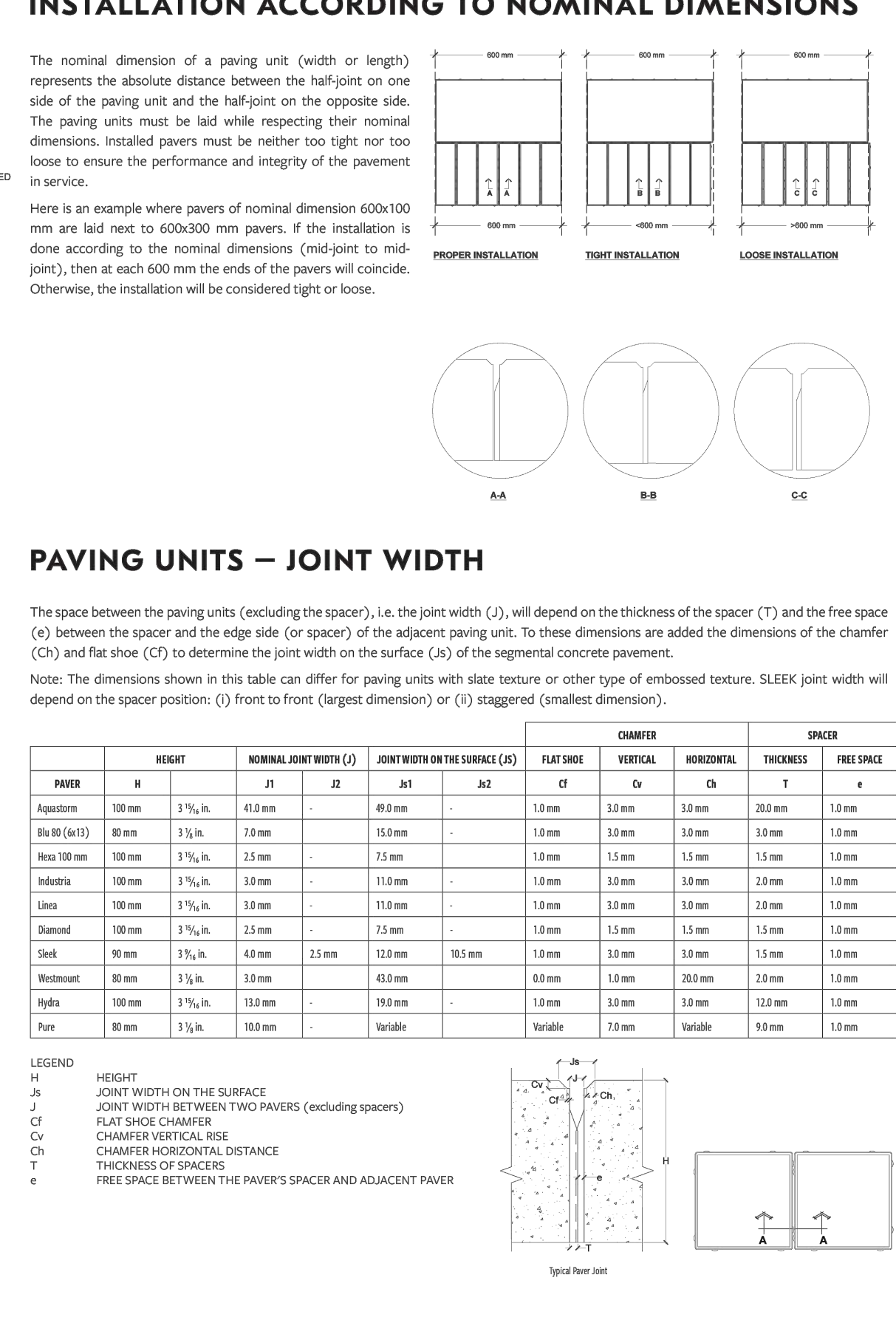
PERMEABLE PAVER - PARTIAL INFILTRATION TO SOIL SUBGRADE

PERMEABLE PAVER - NO INFILTRATION TO SOIL SUBGRADE



INSTALLATION ACCORDING TO NOMINAL DIMENSIONS

PAVING UNITS - JOINT WIDTH



techo-bloc.com

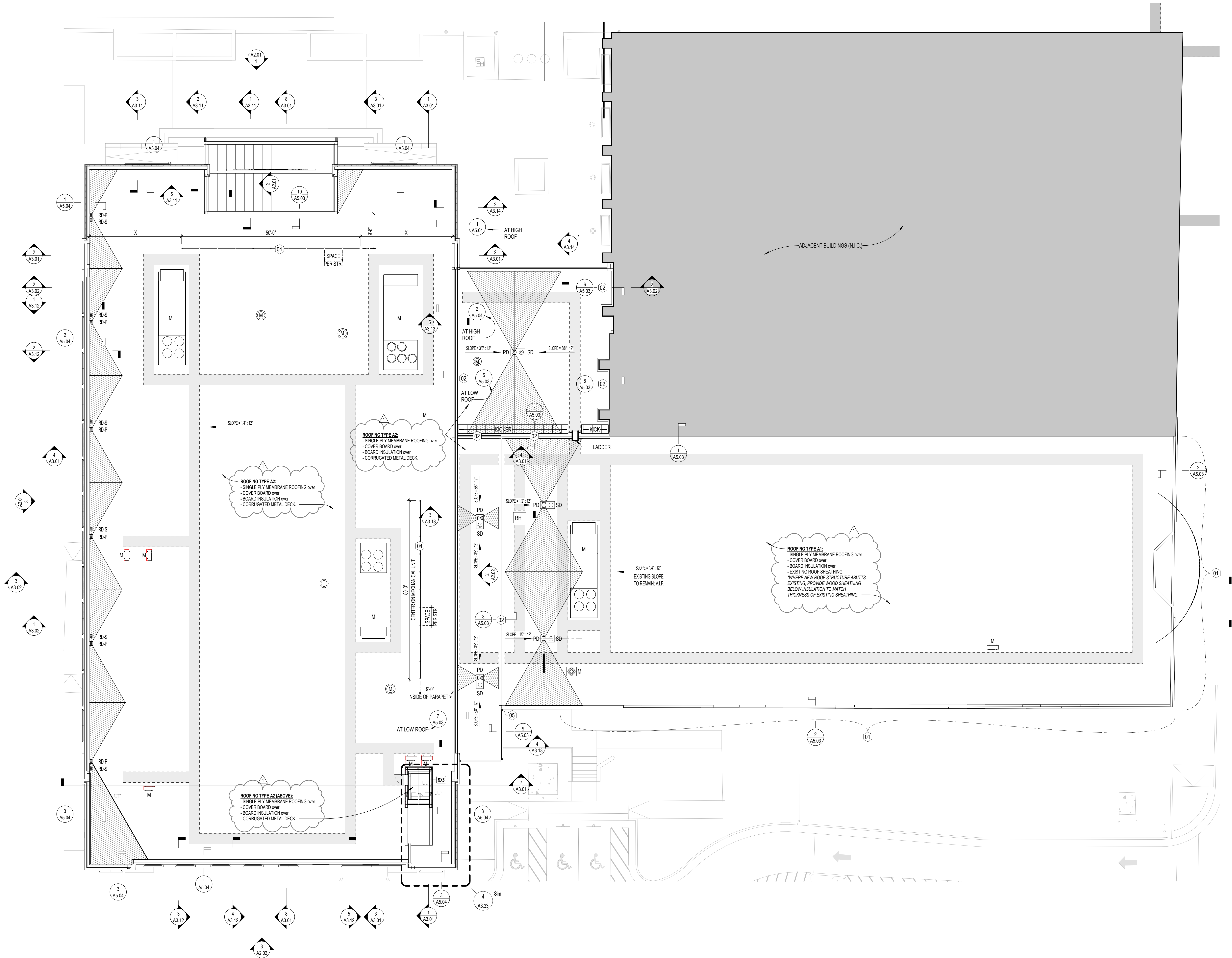
techo-bloc.com

techo-bloc.com

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions:
1 Description Date
1 BD SET-Add 1 9/12/2025

Date: 9/10/25
Project No: 21054
Drawn By: THW
Sheet No: C-6.06
Checked By: AMW
Sheet Title: DETAILS



2 ARCHITECTURAL PLAN - ROOF (HIGH)
A1.14 3/32" = 1'-0"

GENERAL NOTES

- DIMENSIONS ARE FROM:
A. EXTERIOR WALLS TO FACE OF CMU
B. INTERIOR WALLS TO FACE OF STUD
C. CURTAINWALL, LOW AND STOREFRONT (SFI) DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO.
D. DOOR/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING.
E. DOOR/OPENINGS IN METAL STUD WALLS DIMENSIONED TO CENTERLINE.
F. "4\"/>

ROOF NOTES

- CONTRACTOR SHALL COORDINATE ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS REQUIRED AND MAKE ALL NECESSARY PROVISIONS FOR SAME.

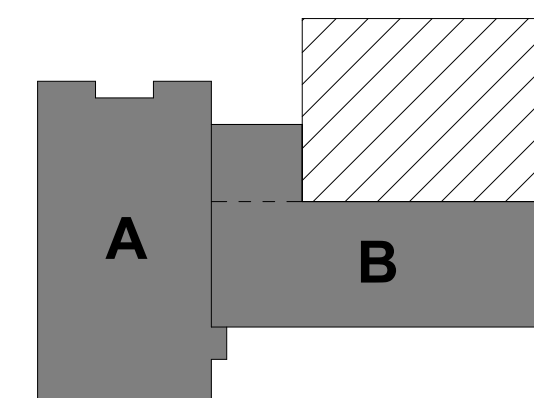
ROOF LEGEND

- INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THRU STRUCTURE AND TAPERED INSULATION
- PD PRIMARY ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- SD SECONDARY (EMERGENCY) ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- M MECHANICAL ELEMENT, COORD. W/ MECHANICAL
- RH ROOF HATCH
- LAD ALUMINUM SHIP LADDER W/ PLATFORM
- KICK PARAPET KICKER, COORD. W/ STR.
- ROOF WALKING MAT, 36\"/>
- ROOF CRICKET W/ BUILT-UP INSULATION BOARD, SLOPE TO DRAIN, 1/2\"/>

ROOF PLAN KEYNOTES

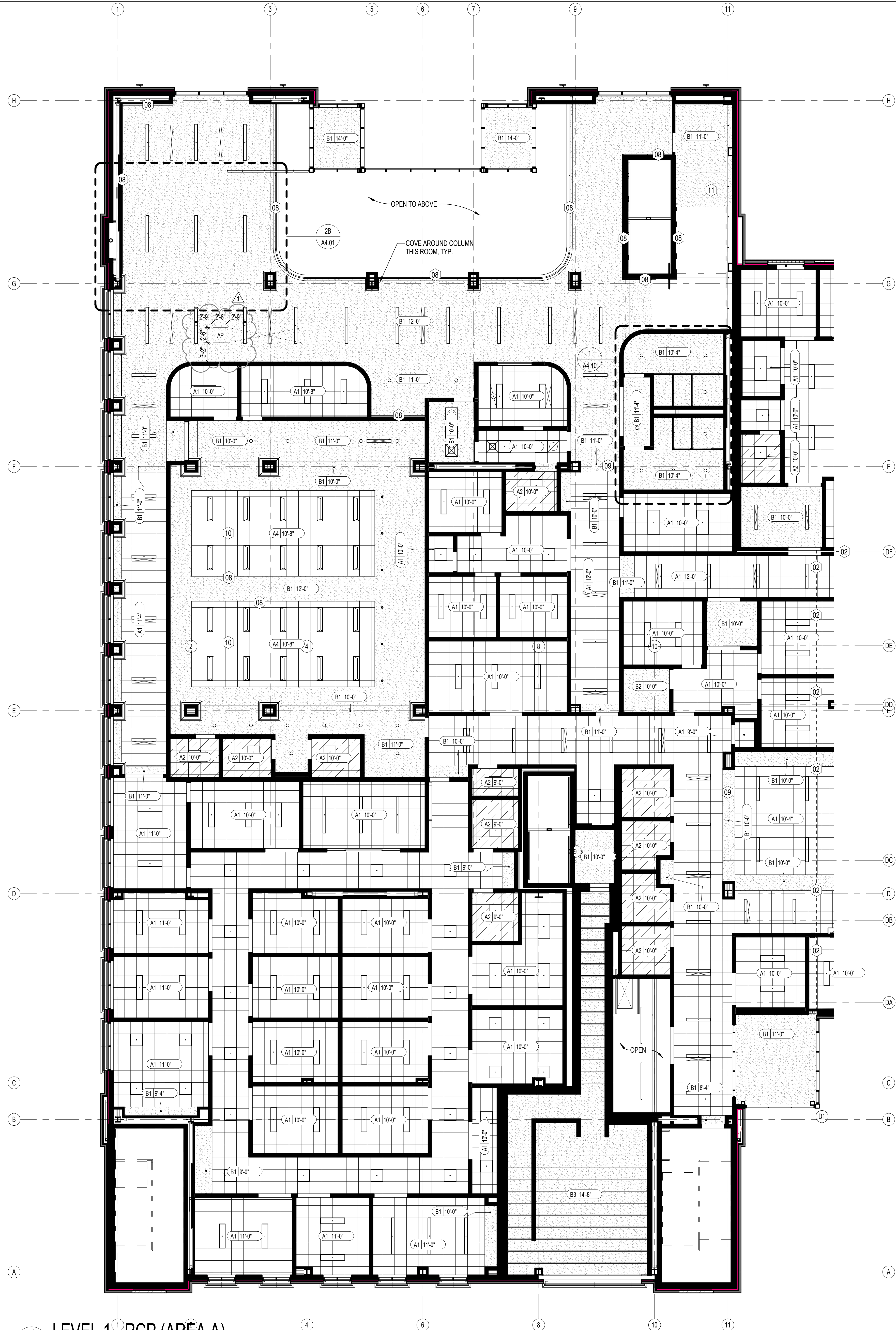
- EXISTING PRECAST CONCRETE COPING; REDO ALL MORTAR JOINTS EXPOSED MORTAR JOINTS.
- EXPANSION JOINT COVERED ASSEMBLY.
- EXPANSION JOINT COVERED ASSEMBLY: 2 IN. WALL TO ROOF TYPE.
- CORRUGATED METAL MESH SCREEN; PERFORATED, 70\"/>
- 2 IN. EXPANSION JOINT TURNS TO VERTICAL FACADE HERE.

KEYPLAN





1
A1.21A
LEVEL 1 - RCP (AREA A)
1/8" = 1'-0"



GENERAL NOTES

- DIMENSIONS ARE FROM:
 - EXTERIOR WALLS TO FACE OF CMU
 - INTERIOR WALLS TO FACE OF STUD
 - CURTAINWALL, LOW AND STOREFRONT (SF) DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO.
 - DOOR/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING.
 - DOOR/OPENINGS IN METAL STUD WALLS DIMENSIONED TO CENTERLINE.
 - *4" DENOTES DIMENSION FROM FINISH
 - *2" DENOTES DIMENSION FROM FINISH
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- OBTAIN ALL PERMITS REQUIRED.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

RCP GENERAL NOTES

- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8 IN. AND SHALL EXTEND 4 IN. MINIMUM ABOVE FINISH CEILING (U.I.O.).
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUDS FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 48 IN. WIDE ABOVE CEILING PERIMETER OF ALL INTERIOR ROOMS WITH SOUND BATT IN WALLS.
- SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED TENSIDEVICES.
- ALL EXPOSED MECH. EQUIPMENT TO BE PAINTED WITH FINISH PNT-01, UNO.
- ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE.
- WHERE WALL MOUNTED TELEVISIONS ARE INDICATED ON PLAN PROVIDE SOLID BLOCKING IN WALL, COORDINATE LOCATION, MOUNTING HEIGHT, AND BLOCKING REQUIREMENTS WITH OWNER. TELEVISION WILL BE O.S.C.I.
- REFER TO PMEA FOR FURTHER INFORMATION.
- CONTRACTOR TO REVIEW LAYOUT AND NOTIFY ARCHITECT OF ACOUSTICAL CEILING PANELS THAT ARE LESS THAN 3' IN WIDTH OR LENGTH.
- ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND TERMINAL DEVICES TO BE CENTERED IN CEILING PANELS, UNLESS OTHERWISE INDICATED.
- ALL CEILING TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
- SEE PNE DRAWINGS FOR PNE DEVICE LOCATIONS AND QUANTITIES. COORDINATE LOCATION OF ALL PNE DEVICES WITH ARCHITECTURAL DRAWINGS.
- PROVIDE SOUND MASKING THROUGHOUT - DEVICES NOT SHOWN ON REFLECTED CEILING PLANS. ALSO SEE ELECTRICAL DRAWINGS.
- FOR PENDANT MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND.
- COORDINATE ALL GYPSUM CEILING BOARD CONTROL JOINTS WITH ARCHITECT.
- STRUCTURAL MEMBERS PER STRUCTURAL DRAWINGS. COORDINATE LOCATION OF STRUCTURAL MEMBERS BASED ON ARCHITECTURAL.

RCP LEGEND

CEILING TYPES	CEILING TYPE CEILING HEIGHT (AFF)
ACT-1: A1	2X2 ACOUSTICAL CEILING TILE
ACT-2: A2	2X2 ACOUSTICAL CEILING TILE (VINYL COATED) (4 WET)
ACT-4: A4	2X4 ACOUSTICAL CEILING TILE
ACT-5: A5	2X5 ACOUSTICAL CEILING TILE
B1	12 IN. GYPSUM BOARD
B2	12 IN. GYPSUM BOARD, EPOXY PAINTED (4 WET)
B3	2 HOUR RATED GYPSUM BOARD ASSEMBLY (UL# 514)
B4	1 HOUR RATED GYPSUM BOARD ASSEMBLY (UL# 506)
ACT-6: B5	HUNG GYPSUM ASSEMBLY W/ HIGH NRC VALUE

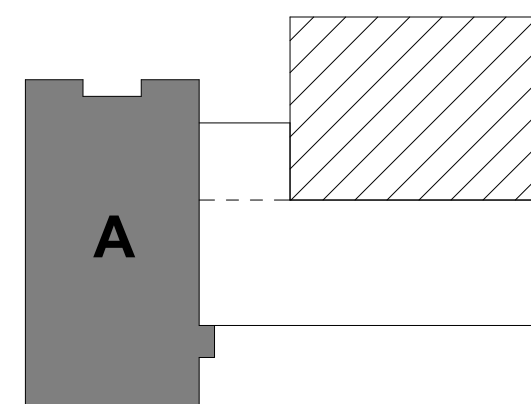
FIGURE LEGEND

LAY-IN LIGHTING:	
2x2	2x4
RC1	1x4
RC2	
RECESSED CAN:	
RC1	SURFACE MOUNTED LED
RC2	EXTERIOR SIGNAGE SPOT
PENDANT:	
PC1	
WH1	WALL HUNG - EXTERIOR
	CEILING FAN (PROVIDE JUNCTION BOX ONLY, COORD. W/ ELEC.)
TV	TELEVISION (WALL MOUNTED AT 60" AFF)
TV (CAD)	COMPUTER AIDED DISPATCH MONITOR (WALL MOUNTED AT 12" BELOW CEILING HEIGHT)
	LAY-IN AIR DIFFUSER (1x4)
	LAY-IN AIR DIFFUSAL (2x2)
	LAY-IN AIR RETURN (2x2)
	LAY-IN AIR EXHAUST (2x2)
SC	SURVEILLANCE CAMERA (COORD. WITH ELECTRICAL)
AL	ALARM SYSTEM LIGHTING (COORD. WITH ELECTRICAL)
SP	SPEAKERS (COORD. WITH ELECTRICAL)
AP	ACCESS PANEL: COORD. W/ MECH. ACCESS REQUIREMENTS AND ELECTRICAL CEILING FIXTURE LOCATIONS IN FIELD PRIOR TO INSTALLATION.

RCP KEYNOTES

- CEILING FINISHED AT TOP OF WALL CABINERY
- 2 IN. EXPANSION JOINT (ACT TO WALL TYPE)
- 2 IN. EXPANSION JOINT (DRYWALL CEILING TO WALL TYPE)
- AIR COMPRESSOR HOSE REEL
- CEILING TYPE B4 - UL 156 TO BE CONSTRUCTED 5 FEET ABOVE ACT CEILING, THIS ROOM, RATED WALLS TO BE CONTINUOUS UP TO RATED HIGH CEILING, V.I.F. EXISTING ROOF, STRUCTURE AND COORD. W/ ALL NEW PNE EQUIPMENT PRIOR TO SETTING RATED CEILING HEIGHT.
- GYPSUM DROPPED CEILING TO TOP OF WALL CABINERY, FACE OF VERTICAL TO BE FLUSH WITH FACE OF WALL CABINERY.
- ROOF ACCESS LADDER AND HATCH, COORDINATE W/ ROOF PLANS AND STR.
- COVED CEILING, COORD. W/ ELECTRICAL AND MECHANICAL.
- DROPPED CEILING WIDTH SIM. TO ADJACENT WALL ASSOCIATED.
- DROPPED LAY-IN CEILING W/ PREMANUFACTURED METAL TRIM AROUND PERIMETER, PROVIDE HARD CEILING TO TERMINATE ABOVE INWARD FROM DROPPED CEILING PERIMETER 2X THE DISTANCE FROM THE DROPPED CEILING DEPTH.
- SLOPED CEILING, COORD. W/ STRUCTURE ABOVE.
- CENTER ACCESS PANELS AT DOOR LOCATIONS BELOW.

KEYPLAN



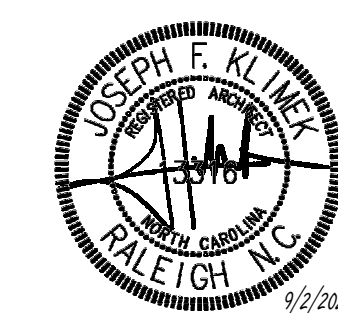
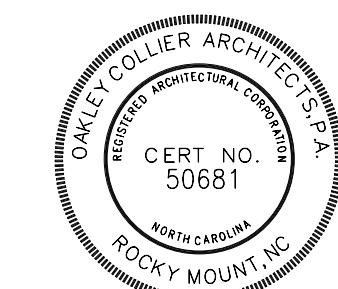
FRANKLIN JUDICIAL CENTER

FRANKLIN COUNTY

W. NASH ST.

LOUISBURG, NC 27549

BID SET

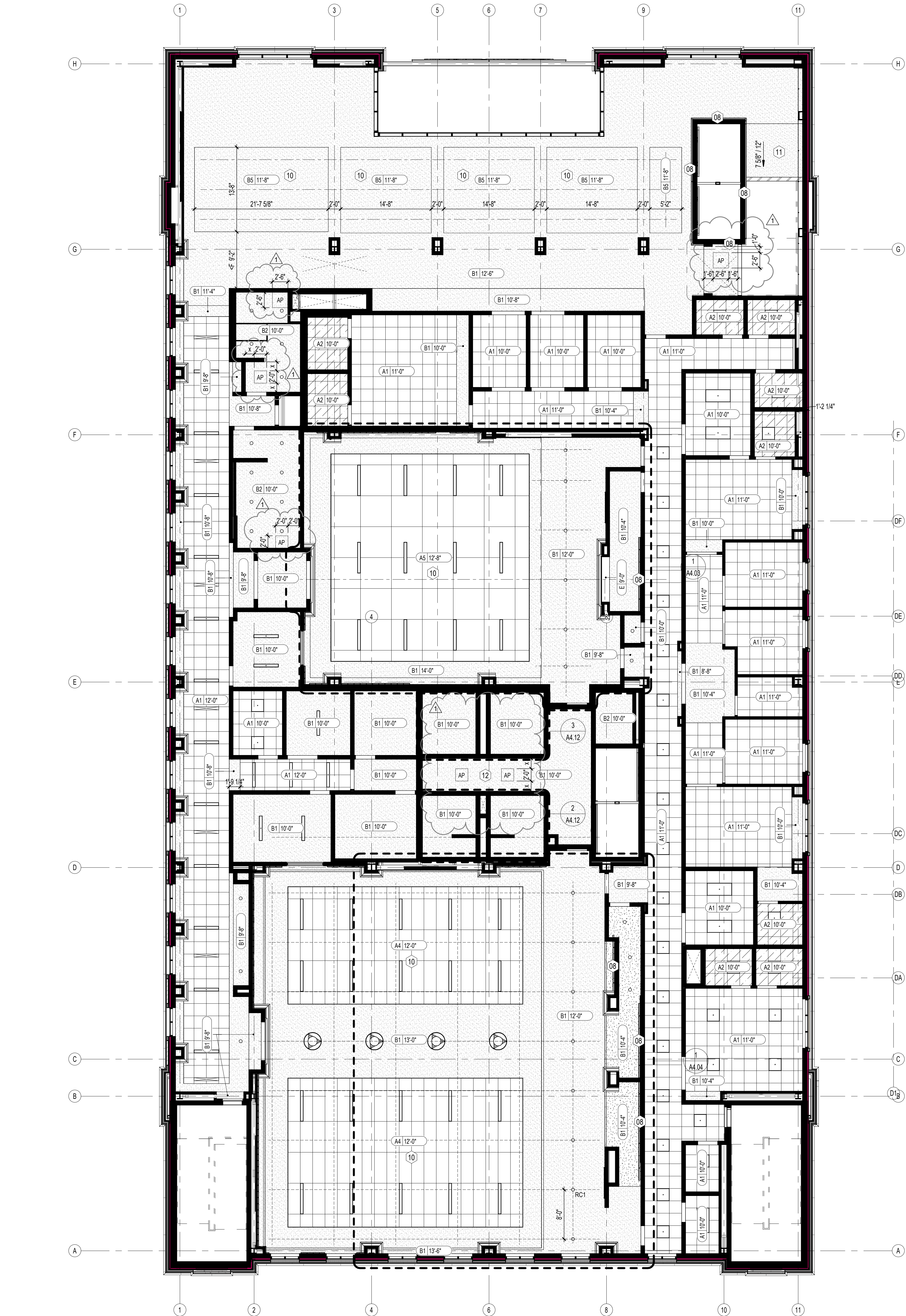


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Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	Description	Date
1	BID SET - A01.1	9/12/2025

Date 09/02/25	Project No. 21054
Drawn By JFK	Sheet No. A1.21A
Checked By AWC	Sheet Title RCP - LEVEL 1 (AREA A)

OAKLEY
COLLIER
ARCHITECTS
OCA
109 Carlewood Road, Rocky Mount, NC 27804 (P) 252.937.2300
203 W. Main Street, Raleigh, NC 27601



LEVEL 2 - OVERALL REFLECTED CEILING PLAN
1
A1.22 1/8" = 1'-0"

GENERAL NOTES

- DIMENSIONS ARE FROM:
 - EXTERIOR WALLS TO FACE OF CMU
 - INTERIOR WALLS TO FACE OF STUD
 - CURTAINWALL, LOW AND STOREFRONT (SF) DIMENSIONED TO CENTER OF CENTRAL MULLIONS AND FACE OF ROUGH OPENING AT THE PERIMETER, UNO
 - DOORS/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING
 - DOORS/OPENINGS IN METAL STUD WALLS DIMENSIONED TO CENTERLINE
 - *4" DENOTES DIMENSION FROM FINISH
 - *2" DENOTES DIMENSION FROM FINISH
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- OBTAIN ALL PERMITS REQUIRED.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

RCP GENERAL NOTES

- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
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- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUDS FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 48 IN. WIDE ABOVE CEILING PERIMETER OF ALL INTERIOR ROOMS WITH SOUND BATT IN WALLS.
- SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED DEVICES.
- ALL EXPOSED MECH. EQUIPMENT TO BE PAINTED WITH FINISH PNT-01, UNO.
- ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE.
- WHERE WALL MOUNTED TELEVISIONS ARE INDICATED ON PLAN PROVIDE SOLID BLOCKING IN WALL. COORDINATE LOCATION, MOUNTING HEIGHT, AND BLOCKING REQUIREMENTS WITH OWNER. TELEVISION WILL BE O.S.C.I.
- REFER TO PMEA FOR FURTHER INFORMATION.
- CONTRACTOR TO REVIEW LAYOUT AND NOTIFY ARCHITECT OF ACOUSTICAL CEILING PANELS THAT ARE LESS THAN 3' IN WIDTH OR LENGTH.
- ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND TERMINAL DEVICES TO BE CENTERED IN CEILING PANELS, UNLESS OTHERWISE INDICATED.
- SEE PNE DRAWINGS FOR PNE DEVICE LOCATIONS AND QUANTITIES. COORDINATE LOCATION OF ALL PNE DEVICES WITH ARCHITECTURAL DRAWINGS.
- PROVIDE SOUND MASKING THROUGHOUT - DEVICES NOT SHOWN ON REFLECTED CEILING PLANS. ALSO SEE ELECTRICAL DRAWINGS.
- FOR PENDANT MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND.
- COORDINATE ALL GYPSUM CEILING BOARD CONTROL JOINTS WITH ARCHITECT.
- STRUCTURAL MEMBERS PER STRUCTURAL DRAWINGS. COORDINATE LOCATION OF STRUCTURAL MEMBERS BASED ON ARCHITECTURAL.

RCP LEGEND

CEILING TYPES	CEILING TYPE CEILING HEIGHT (AFF)
ACT-1: A1	2X2 ACOUSTICAL CEILING TILE
ACT-2: A2	2X2 ACOUSTICAL CEILING TILE (VINYL COATED) (4 WET)
ACT-3: A4	2X4 ACOUSTICAL CEILING TILE
ACT-4: A5	2X5 ACOUSTICAL CEILING TILE
ACT-5: B1	12 IN. GYPSUM BOARD
B2	12 IN. GYPSUM BOARD, EPOXY PAINTED (4 WET)
B3	2 HOUR RATED GYPSUM BOARD ASSEMBLY (UL# 514)
B4	1 HOUR RATED GYPSUM BOARD ASSEMBLY (UL# 506)
ACT-6: B5	HUNG GYPSUM ASSEMBLY W/ HIGH NRC VALUE

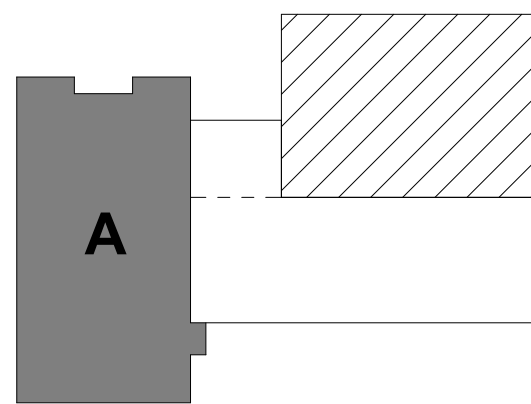
FIXTURE LEGEND

LAY-IN LIGHTING:	
2x2	2x4
RC1	RC2
PC1	WH1
TV	TV (CAD)
LAIR	LAIR
LAIR	LAIR
LAIR	LAIR
SC	AL
SP	AP

RCP KEYNOTES

- CEILING FINISHED AT TOP OF WALL CABINERY
- 2 IN. EXPANSION JOINT (ACT TO WALL TYPE)
- 2 IN. EXPANSION JOINT (DRYWALL CEILING TO WALL TYPE)
- AIR COMPRESSOR HOSE REEL
- CEILING TYPE B4 - UL 156 TO BE CONSTRUCTED 6 FEET ABOVE ACT CEILING. THIS ROOM, RATED WALLS TO BE CONTINUOUS UP TO RATED HIGH CEILING. V.I.F. EXISTING ROOF, STRUCTURE, AND COORD. W/ ALL NEW PNE EQUIPMENT PRIOR TO SETTING RATED CEILING HEIGHT.
- GYPSUM DROPPED CEILING TO TOP OF WALL CABINERY, FACE OF VERTICAL TO BE FLUSH WITH FACE OF WALL CABINERY.
- ROOF ACCESS LADDER AND WATCH. COORDINATE W/ ROOF PLANS AND STR.
- COVERED CEILING, COORD. W/ ELECTRICAL AND MECHANICAL.
- DROPPED CEILING WIDTH SIM. TO ADJACENT WALL ASSOCIATED.
- DROPPED LAY-IN CEILING W/ PREMANUFACTURED METAL TRIM AROUND PERIMETER. PROVIDE HARD CEILING TO TERMINATE ABOVE INWARD FROM DROPPED CEILING PERIMETER 2X THE DISTANCE FROM THE DROPPED CEILING DEPTH.
- SLOPED CEILING, COORD. W/ STRUCTURE ABOVE.
- CENTER ACCESS PANELS AT DOOR LOCATIONS BELOW.

KEYPLAN

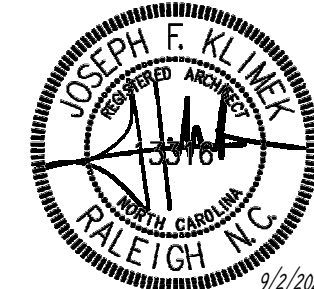
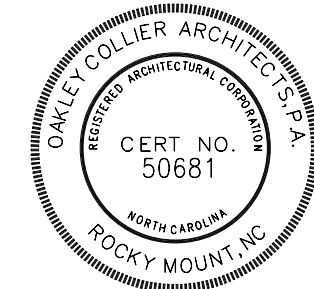


FRANKLIN JUDICIAL CENTER

FRANKLIN COUNTY

W. NASH ST.

LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	Description	Date
1	BID SET - A01.1	9/12/2025

Date 09/02/25	Project No. 21054
Drawn By JFK	Sheet No. A1.22
Checked By AWC	Sheet Title RCP - LEVEL 2

GENERAL NOTES

1. DIMENSIONS ARE FROM:
 - A. EXTERIOR WALLS TO FACE OF CMU
 - B. EXTERIOR WALLS TO FACE OF STUD
 - C. CURTAINWALL (CW) AND STOREFRONT (SF) DIMENSIONED TO CENTER OF CENTRAL COLUMNS AND DOOR/CURTAINWALL AT THE PERIMETER (INO)
 - D. DOOR/OPENINGS IN MASONRY DIMENSIONED TO MASONRY OPENING
 - E. DOOR/OPENINGS IN METAL STUD WALLS DIMENSIONED TO CENTERLINE
- F. "F" DENOTES DIMENSION FROM FINISH
- G. "F3" DENOTES DIMENSION FROM FINISH TO FINISH
2. VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
3. SEE STRUCTURAL PLANS FOR ALL STRUCTURAL MEMBERS.
4. SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.
5. COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
6. OBTAIN PERMITS REQUIRED FOR CONSTRUCTION.
7. SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.

RCP GENERAL NOTES

1. PROVIDE BRACING BATT TO STRUCTURE FOR INTERIOR WALLS. TYPICAL
2. ALL DRYWALL SHALL BE 5/8 IN. AND SHALL EXTEND 4 IN. MINIMUM ABOVE FINISH CEILING (LINO FLOOR)
3. INSTALL 1/2" A.C. ATTENUATION BATT INSULATION FLAT HEIGHT IN ALL INTERIOR STUDS (R.O.W.)
4. INSTALL SOUND ATTENUATION BATT INSULATION 4 IN. WIDE ABOVE CEILING AND 4 IN. WIDE BELOW CEILING
5. SEAL ALL INTERIOR ROOMS WITH SOUND BATT IN WALLS
6. USE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS FOR ALL DESCRIPTIONS OF CEILING MOUNTED DEVICES
7. PROVIDE 1/2" A.C. ATTENUATION BATT INSULATION FLAT FINISH PNT. 01. UNO
8. ALL GILES ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE
9. WHERE WALL MOUNTED TELEVISIONS ARE NOTICED ON PLAN PROVIDE SOUND BATT INSULATION, COORDINATE WITH ELECTRICAL, AND BLOCKING REQUIREMENTS WITH OWNER. TELEVISION WILL BE O.S.C.I.
10. REFER TO PMETA FOR FURTHER INFORMATION
11. PROVIDE 1/2" A.C. ATTENUATION BATT INSULATION ARCHITECT OF ACOUSTICAL CEILING PLANS THAT ARE LESS THAN 3' IN WIDTH OR HEIGHT
12. ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND THERMAL VENTILATION DEVICES CENTERED IN ROOM UNLESS OTHERWISE INDICATED
13. ALL CEILING TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE
14. SEE P.E. DRAWINGS FOR P.E. DEVICE LOCATIONS AND REFERENCES. COORDINATE WITH ELECTRICAL
15. PROVIDE SOUND MASKING THROUGHOUT - DEVICES NOT SHOWN ON QUALIFIED CEILING PLANS. ALSO SEE ELECTRICAL DRAWINGS
16. FOR REFRIG. MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND
17. COORDINATE ALL GYPSUM CEILING BOARD CONTROL JOINTS WITH ARCHITECT
18. STRUCTURAL MEMBERS PER STRUCTURAL DRAWINGS. COORDINATE LOCATION WITH ARCHITECT




RCP LEGEND


CEILING TYPES


Diagram illustrating a ceiling assembly with a 10'0" ceiling height. The assembly includes a 2x2 acoustic ceiling tile, a 2x2 acoustic ceiling tile (vinyl coated) (4 wet), a 2x4 acoustic ceiling tile, a 2x6 acoustic ceiling tile, a 12 in. gypsum board, a 12 in. gypsum board, epoxy painted (4 wet), a 2 hour rated gypsum board assembly (ULF 514), and a 1 hour rated gypsum board assembly (ULF 506). The assembly is hung using a hung gypsum assembly with high nrc value.


FIXTURE LEGEND


LAY-IN LIGHTING:


 x4  x4  1x4


 **RECESSED CAN:**
RC1 SURFACE MOUNTED LED
RC2 EXTERIOR SIGNAGE SPOT


 **PENDANT:**
PC1 -


 **WALL HUNG - EXTERIOR**


 **CEILING FAN (PROVIDE JUNCTION BOX ONLY, COORD. W/ ELEC.)**


 **TELEVISION (WALL MOUNTED AT 6" AFF)**


 **COMPUTER AIDED DISPATCH MONITOR (WALL MOUNTED AT 12" BELOW CEILING HEIGHT)**


 **LAY-IN AIR DIFFUSER (1x4)**


 **LAY-IN AIR DIFFUSAL (2x2)**

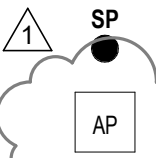
 **LAY-IN AIR RETURN (2x2)**

 **LAY-IN AIR EXHAUST (2x2)**

 **SURVEILLANCE CAMERA (COORD. WITH ELECTRICAL)**

 **ALARM SYSTEM LIGHTING (COORD. WITH ELECTRICAL)**

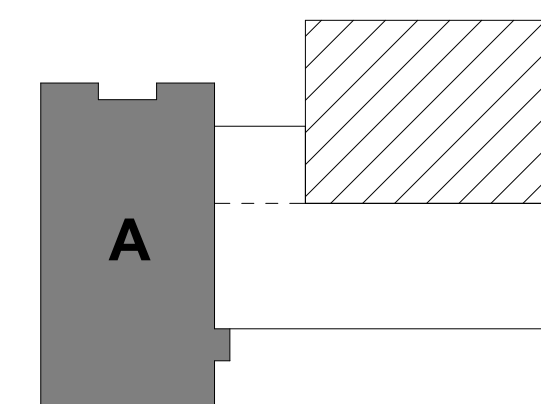
 **SPEAKERS (COORD. WITH ELECTRICAL)**

 **ACCESS PANEL, COORD. W/ MECH. ACCESS REQUIREMENTS AND ELECTRICAL CEILING FIXTURE LOCATIONS IN FIELD PRIOR TO INSTALLATION**

RCP KEYNOTES

- 01 CEILING FINISHED AT TOP OF WALL CABINERY
- 02 2" EXPANSION JOINT (ACT TO WALL TYPE)
- 03 2" EXPANSION JOINT (DRYWALL CEILING TO WALL TYPE)
- 04 CEILING COVER HOSE REEL
- 05 CEILING TYPE 1-1/2" RISE, THE CONSTRUCTED 5 FEET ABOVE ACT CEILING. THIS ROOM, RATED WALLS TO BE CONTINUOUS UP TO RATED HIGH CEILING. V-1/1 EXISTING ROOF, STRUCTURE, AND COORD. W/ RATED MECH EQUIPMENT PRIOR TO SING RATED CEILING.
- 06 GYPSUM DRAPPED CEILING TO TOP OF WALL CABINERY. FACE OF VERTICAL TO BE FLUSH WITH FACE OF WALL CABINERY.
- 07 1" GYPSUM DRAPED CEILING TO ADJACENT WALLS, FLUSH WITH ROOF PLANS AND STR.
- 08 COVERED CEILING: COORD. W/ ELECTRICAL AND MECHANICAL
- 09 CEILING DRAPPED WITH 3" TO ADJACENT WALL ASSOCIATED.
- 10 DROPPED LAY-IN CEILING W/ PREMANUFACTURED METAL TRIM AROUND
- 11 DROPPED LAY-IN CEILING: PROVIDE ACCESS TO MECHANICAL ROOMS FROM DROPPED CEILING PERMITTER 2" THE DISTANCE FROM THE DROPPED CEILING DEPENDS
- 12 SLOPED CEILING: COORD. W/ STRUCTURE ABOVE
- 13 CENTER ACCESS PANELS AT DOOR LOCATIONS BELOW

KEYPLAN



 2 LEVEL 3 - OVERALL REFLECTED CEILING PLAN



SYMBOL	DESCRIPTION	REMARKS
(C)	CEILING MOUNTED SECURITY CAMERA - DEVICE BY OTHERS PROVIDE CAT6 CABLE WITH R445 JACKS AND A 15' SERVICE LOOP ROUTE CAT6 CABLE BACK TO PATCH PANEL IN NEAREST MJD10F ROOM	CAT6 CABLE
(C) 14	WALL MOUNTED SECURITY CAMERA - DEVICE BY OTHERS PROVIDE BOX AND 1/2" CONDUIT TO ACCESSIBLE CEILING SPACE. FIELD COORDINATE MOUNTING HEIGHT WITH SECURITY VENDOR. PROVIDE CAT6 CABLE WITH R445 JACKS. ROUTE CAT6 CABLE BACK TO PATCH PANEL IN NEAREST MJD10F ROOM	BOX AND CONDUIT CAT 6 CABLE
(HB)	HANDICAP ADA DOOR ACTUATOR PUSH BUTTON - DEVICE BY OTHERS PROVIDE BOX AND 1/2" CONDUIT TO DOOR ACTUATOR. PROVIDE LOW VOLTAGE CONTROL WIRE AS REQUIRED. WHERE INSTALLED ON STORE FRONT, ROUTE LOW VOLTAGE CABLE THROUGH MULLION TO DOOR ACTUATOR. MOUNT 42" A.F.F.	BOX AND CONDUIT CONTROL WIRE

NOTES:

- SUBMIT CATALOG TO ARCHITECT FOR APPROVAL OF COLORS, MATERIALS, AND FINISHES FOR ALL DEVICES AND COVER PLATES PRIOR TO PURCHASE.
- PROVIDE LOW VOLTAGE CABLE AND WIRE TO INTERCONNECT ALL LIGHTING CONTROLS COMPONENTS AS REQUIRED FOR A TURN KEY INSTALLATION.
- PROVIDE CAT6 CABLE AS REQUIRED TO ALL NETWORK DROPS AS INDICATED ON THE PLANS. ROUTE ALL CAT6 CABLE BACK TO NEAREST MJD10F ROOM & TERMINATE AT PATCH PANEL PER OWNER INSTRUCTION. COORDINATE WITH OTHER TRADES AND VENDORS, INCLUDING THE ELEVATOR VENDOR AND THE MECHANICAL CONTRACTOR TO PROVIDE NETWORK DROPS AS REQUIRED FOR OTHER BUILDING SYSTEMS.

1. SUBMIT CATALOG TO ARCHITECT FOR APPROVAL OF COLORS, MATERIALS, AND FINISHES FOR ALL DEVICES AND COVER PLATES PRIOR TO PURCHASE.
2. PROVIDE LOW VOLTAGE CABLE AND WIRE TO INTERCONNECT ALL LIGHTING CONTROLS COMPONENTS AS REQUIRED FOR A TURN KEY INSTALLATION.
3. PROVIDE CAT6 CABLE AS REQUIRED TO ALL NETWORK DROPS AS INDICATED ON THE PLANS. ROUTE ALL CAT6 CABLE BACK TO NEAREST MD/IDF ROOM & TERMINATE AT PATCH PANEL PER OWNER INSTRUCTION. COORDINATE WITH OTHER TRADES & VENDORS, INCLUDING THE ELEVATOR VENDOR AND THE MECHANICAL CONTRACTOR TO PROVIDE NETWORK DROPS AS REQUIRED FOR OTHER BUILDING SYSTEMS.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.

2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT. PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.

3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS FOR EACH CIRCUIT.

4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.

5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NECA 70).

6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIMM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

7. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION FOR WORK WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.

8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS.

9. PENETRATION

- * WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHOD.
- * WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.

10. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.

11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEDWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.

13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.

14. THE CONTRACTOR SHALL VERIFY THE FOLLOWING ITEMS WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

15. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIRTYTHIN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THINWIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.

16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.

17. ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECTED TO THE FOLLOWING RESTRICTIONS:

- * SEE NEC 302 AND 303 FOR RESTRICTION.
- * PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
- * CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL, BOARD.
- * CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAXIMUM LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.

18. THE MAXIMUM NUMBER OF HOURS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.

19. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".

20. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.

21. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.

22. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3 HOUR OR HIGHER RATED WALL. WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.

23. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A117.1, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.

24. ALL SWITCHES, RECEPTACLES AND DISCONNECTS SHALL BE LABELED WITH THEIR RESPECTIVE CIRCUIT NUMBER.

25. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.

26. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF HIS COMMUNICATION CONDUIT SUB STUBS WITH THE LOCAL COMMUNICATION SERVICE COMPANY PRIOR TO HIS INSTALLING ANY CONDUITS. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND COMMUNICATION SERVICES.

27. CONDUIT INSTALLATION IN EXTERIOR WALL OR CAVITIES SHALL NOT BE PERMITTED.

28. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE ELECTRICAL DEMOLITION NOTED OR IMPLIED ON THESE PLANS.

29. ALL ABANDONED AND UNUSED CABLES IN HOLLOW SHALLOW SPACES, VERTICAL SPACES, WALLS, VENTILATION OR AIR-HANDLING DUCTS SHALL BE REMOVED PER NEC 725.25, 720.25, 710.25, 800.25, 802.25, AND 802.25.

30. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CIRCUIT CONTINUITY TO ALL LIGHTING DEVICES AND EQUIPMENT NOT SUBJECT TO REMOVAL. PROVIDE ADDITIONAL CONDUIT AND WIRING AS REQUIRED.

31. RELOCATE AS NECESSARY ALL EXISTING CIRCUITS FOUND PASSING THROUGH THE AREA OF CONSTRUCTION, AND WHICH ARE PRESENTLY IN USE IN OTHER PART OF THE BUILDING UNAFFECTED BY THIS PROJECT PHASE, TO MAINTAIN THE CIRCUIT OF SERVICE AND GROUNDING, AND TO CONCEAL THEM ABOVE NEW CEILINGS.

32. WHERE EXISTING EQUIPMENT AND DEVICES SHALL BE REMOVED, THE CONTRACTOR SHALL REMOVE ALL THE ASSOCIATED CONDUIT AND CONDUCTORS THAT SHALL NOT REMAIN IN OPERATION BACK TO THEIR RESPECTIVE SOURCE OR TO THE POINT ON A SHARED CIRCUIT FROM WHERE THE EQUIPMENT OR DEVICE IS SERVED.

33. UNDERGROUND RACEWAY. SEE 360.01 FOR DETAILS.

34. UNDERGROUND EXTERIOR BUILDING CONDUIT WALL WALLS, WITH THE EXCEPTION OF BRANCH CIRCUIT RACEWAYS, SHALL BE ENCASED WITH A MINIMUM OF 3 INCHES (3) INCHES OF CONCRETE ON ALL SIDES.

35. BRANCH CIRCUIT RACEWAYS RUN UNDERGROUND EXTERNAL TO BUILDING FOUNDATION WALLS SHALL BE RUN IN RACEWAYS INSTALLED IN ACCORDANCE WITH THE NEC, AND SHALL BE OF A TYPE APPROVED BY THE NEC AS "SUITABLE FOR DIRECT BURIAL". MINIMUM RACEWAY SIZE SHALL BE 1".

36. RACEWAYS SHALL BE INSTALLED IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. LINE MARKING SHALL BE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. TAPE SHALL BE PERMANENT, BRIGHT-COLORED, CONTINUOUS PRINTED, PLASTIC TAPE COMPOUNDED FOR DIRECT BURIAL NOT REMOVED WITH THE REMOVAL OF THE RACEWAY. LINE MARKING SHALL BE INSTALLED IN THE MIDDLE OF THE RACEWAY AND BELOW.

37. RACEWAYS RUN UNDERGROUND INTERNAL TO BUILDING FOUNDATION WALLS SHALL BE OF A TYPE AND INSTALLED BY A METHOD APPROVED BY THE NEC.

38. UNDERGROUND RACEWAYS ARE REQUIRED TO TURN UP INTO CABINETS, EQUIPMENT, ETC., AND TO GO UP TO THE ELBOW REQUIRED AND THE STUBS.

39. THE RACEWAY SYSTEM SHALL NOT BE RELED ON FOR GROUNDING CONTINUITY.

40. UNDERGROUND EXTERIOR BUILDING CONDUIT SHALL BE INSTALLED IN EXTERIOR BUILDING SPACE. RACEWAYS SHALL BE SEALED UTILIZING FITTINGS SIMILAR AND EQUAL TO G2029ENY TYPE FSK. THRU-WALL FITTING WITH FSK. MEMBRANE CLAMP ADAPTER IF REQUIRED.

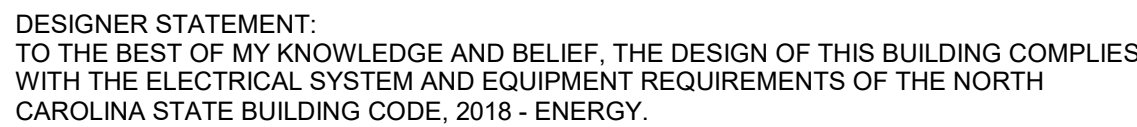
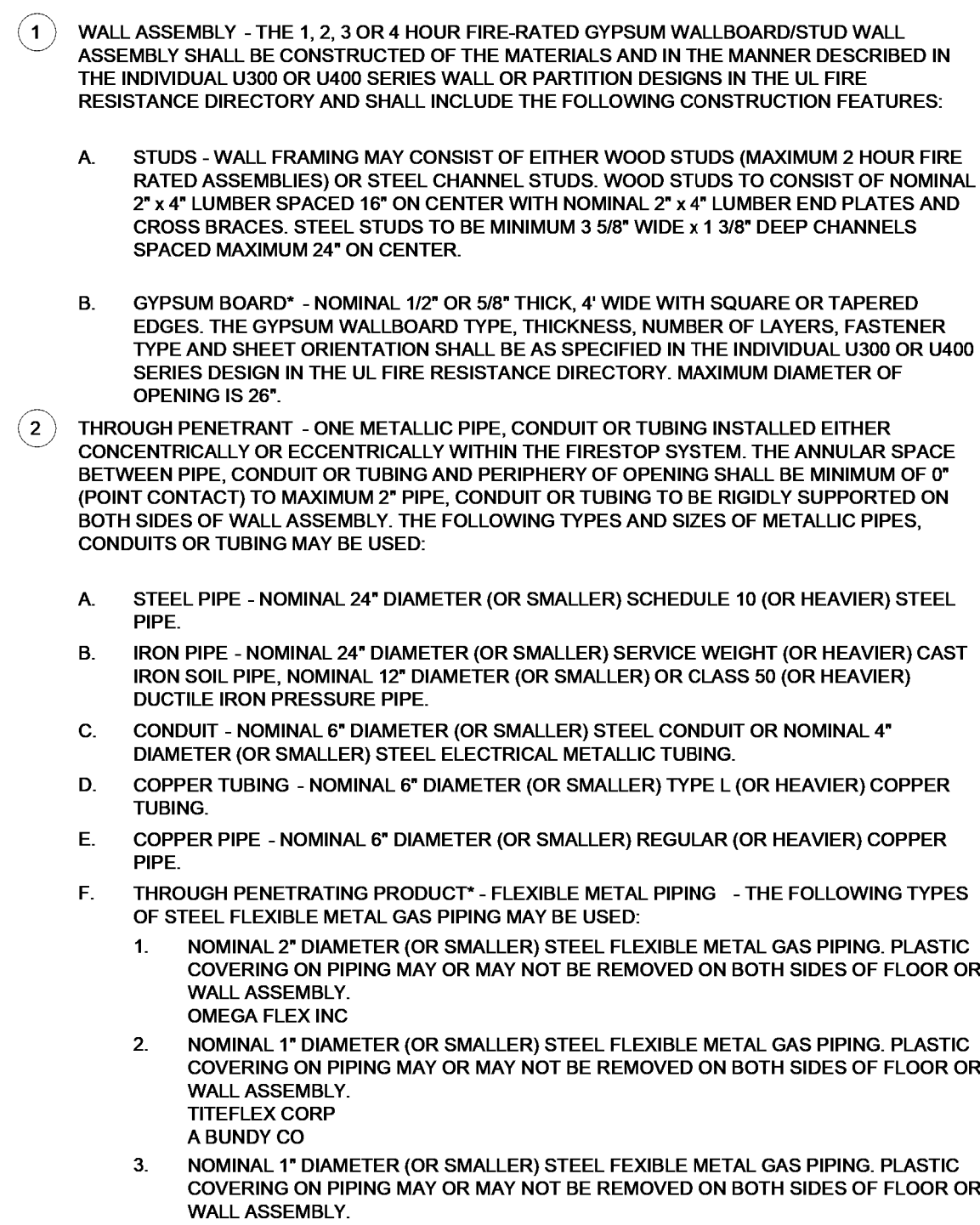
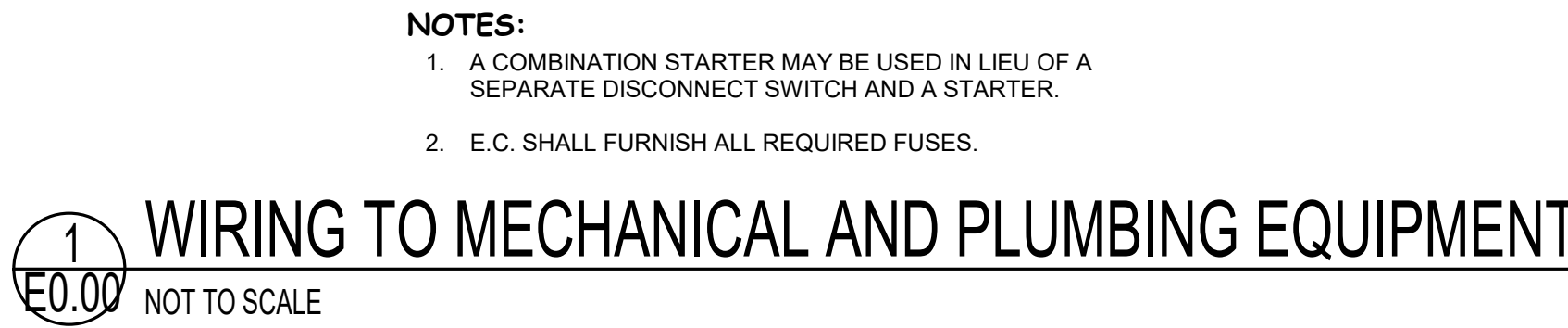
41. ELECTRICAL IDENTIFICATION

- * FURNISH AND INSTALL ENGRAVED-ALUMINATED PHENOLIC NAMEPLATES FOR ALL, SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
- * FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLES AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBER.

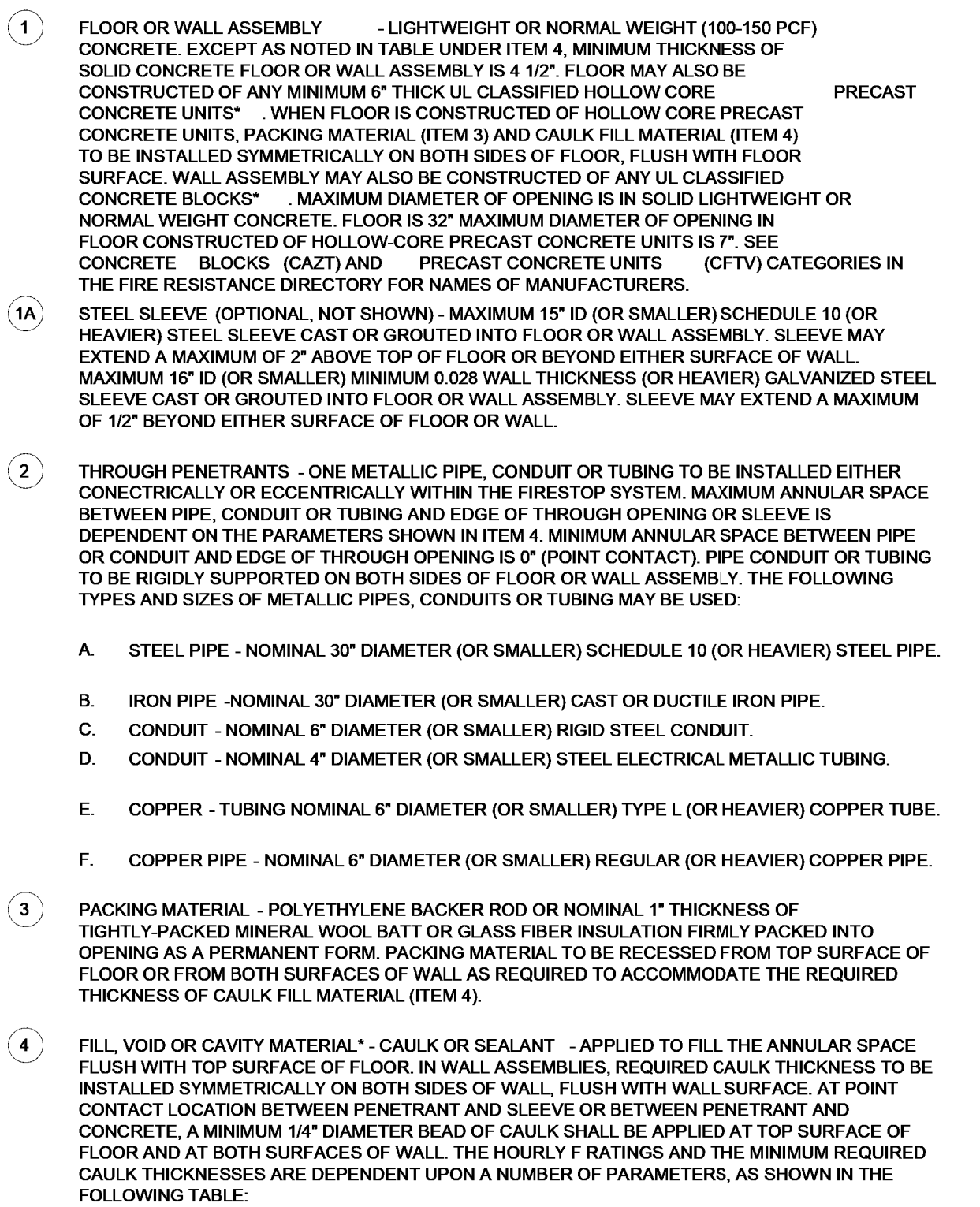
42. ARCHITECT'S PLANS FOR PHASING DIAGRAM, THE INTENT IS FOR THE 3 STORY PORTION OF THE ADDITION TO BE CONSTRUCTED AS A STAND-ALONE BUILDING. THE PORTION OF THE ADDITION TO BE CONSTRUCTED TO ALLOW OWNER OCCUPANCY, AT THAT TIME, THE AREA WILL BE RENOVATED. THE CONTRACTOR SHALL PROVIDE A COMPLETE DEMOLITION OF ALL ELECTRICAL EQUIPMENT, DEVICES, LIGHT FIXTURES, FEEDERS, BRANCH CIRCUITS, CONDUIT, LOW VOLTAGE CABLE, ETC. WITHIN THE EXISTING ELECTRICAL ANNEX. THE DEMOLITION SHALL BE COMPLETED PRIOR TO THE START OF THE ADDITION BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING ELECTRICAL ANNEX.

43. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW OF THE CONSTRUCTION DOCUMENTS TO IDENTIFY AND RESOLVE ANY CONFLICTS WITH THE PROTECTION OF ALL P.I.P.E. DUCT, EQUIPMENT, CONDUIT, HANGARS, ETC. NECESSARY FOR COMPLETE AND OPERATIONAL PLUMBING, MECHANICAL, FIRE, INSTALLATION, ELECTRICAL, AND FIRE ALARM SYSTEMS SHOWN ON THESE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. THE GC SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO THE START OF CONSTRUCTION.

44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.



SIGNED: 
NAME: MATTHEW C. BRILEY, P.E.
TITLE: ENGINEER



MINIMUM FLOOR OR WALL THICKNESS INCHES	MINIMUM PIPE RISE OR CURB DIAMETER INCHES	MAXIMUM ANNUAL SPACE INCHES	MINIMUM CURB THICKNESS INCHES	F RATING
2 1/2	12 - 12	1 3/8	1	2
2 1/2	12 - 12	1 3/8	1	2
4 1/2	12 - 6	1 3/8	1 1/4(a)	2
4 1/2	12 - 12	1 1/4	1 1/2	3
4 1/2	12 - 20	2	1	3
4 1/2	12 - 20	2	1	3
4 1/2	12 - 20	3 1/4	1	3
4 1/2	22 - 30	2	2	3
5 1/2	12 - 6	1 3/8	1 (b)	4

(a) MINIMUM 2" THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE.
 (b) MINIMUM 1" THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MINIMUM 1" THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH THE SURFACE OF FLOOR OR WALL ASSEMBLY.

(g) MINIMUM 2" THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR S
(h) MINIMUM 1" THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR S
ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MINIMUM 1" THICKNESS OF CAULK TO BE
INSTALLED FLUSH WITH EACH SURFACE OF FLOOR OR WALL ASSEMBLY.

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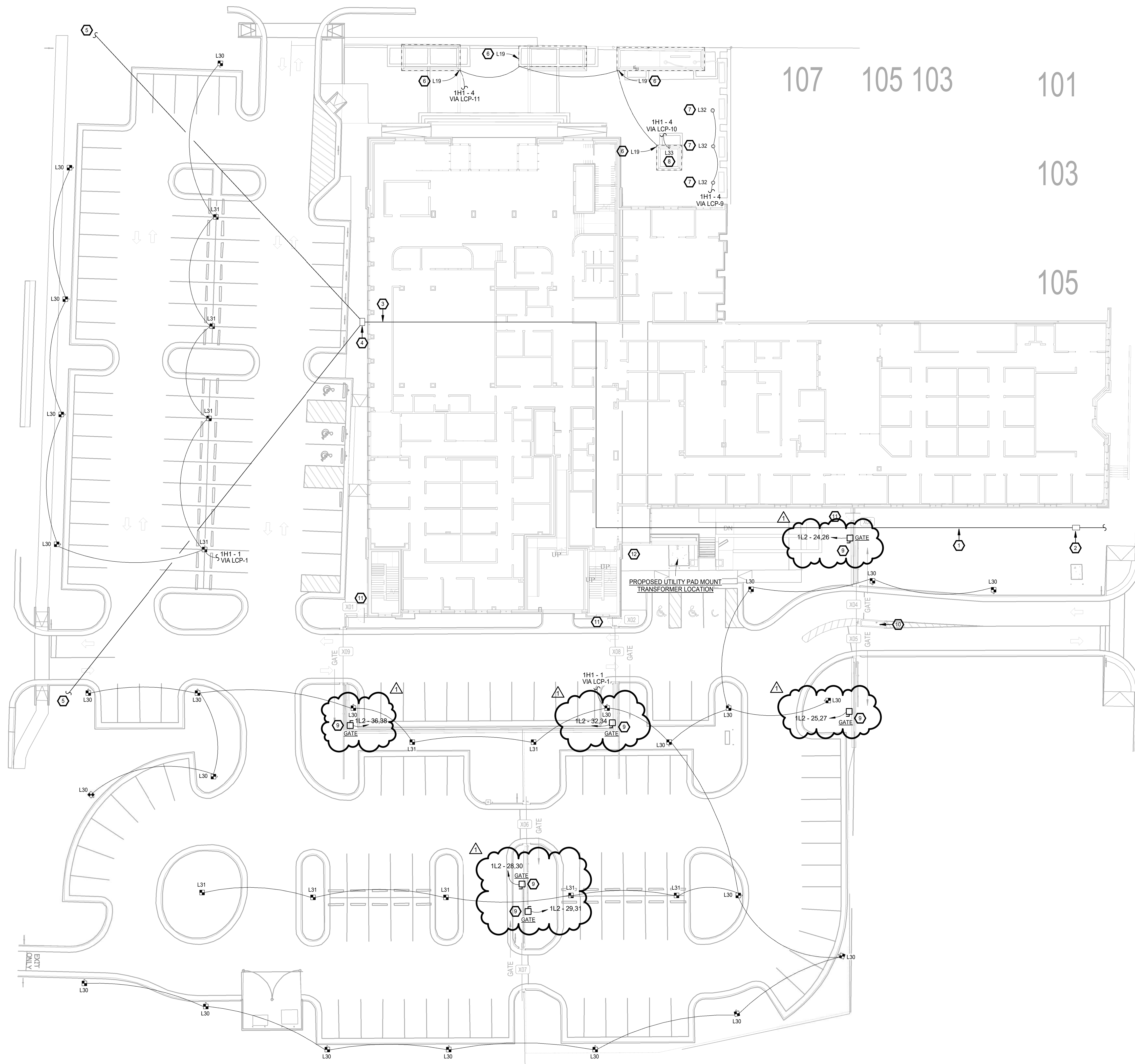
GENERAL NOTE:
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Revisions		
#	Description	Date
1	ADDENDUM #1	09/12/25

Date 09/02/25	Project No. 21054
Drawn By MCB	Sheet No.
Checked By MCB	E0.00
Sheet Title ELECTRICAL LEGEND, NOTES, DETAILS	

W. NASH STREET

S. MAIN STREET



1. ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE NEW PRIVATE FIBER CIRCUIT BETWEEN THE NEW JUDICIAL ANNEX AND THE EXISTING HISTORIC COURTHOUSE SHALL BE COORDINATED AHEAD OF TIME WITH THE RESPONSIBLE PARTIES AT FRANKLIN COUNTY INCLUDING BUT NOT LIMITED TO:

- A. TROY POWELL - CAPITAL PROJECT MANAGER: (919)-760-5763
- B. RYAN MURRAY - TOWN OF LOUISBURG ELECTRIC DEPARTMENT SUPERINTENDENT: (919)-495-7626

[illegible]

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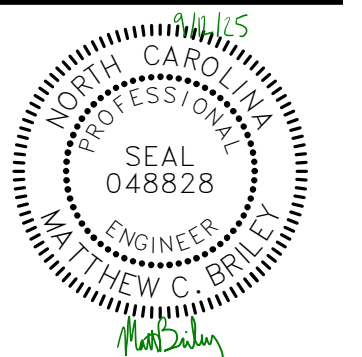
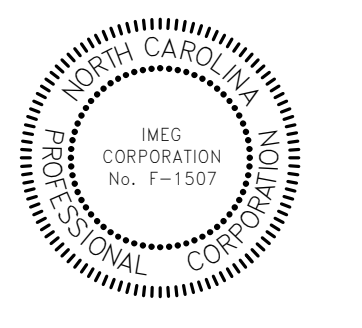
North Carolina Design Registration #E-1507

PROJECT #A0409

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#	Description	Date
1	ADDENDUM #1	09/12/25

Date	Project No.
9/02/25	21054

Drawn By MCB	Sheet No. E1.00
Checked By MCB	

Sheet Title
ELECTRICAL SITE PLAN

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E1.00

ELECTRICAL SITE PLAN

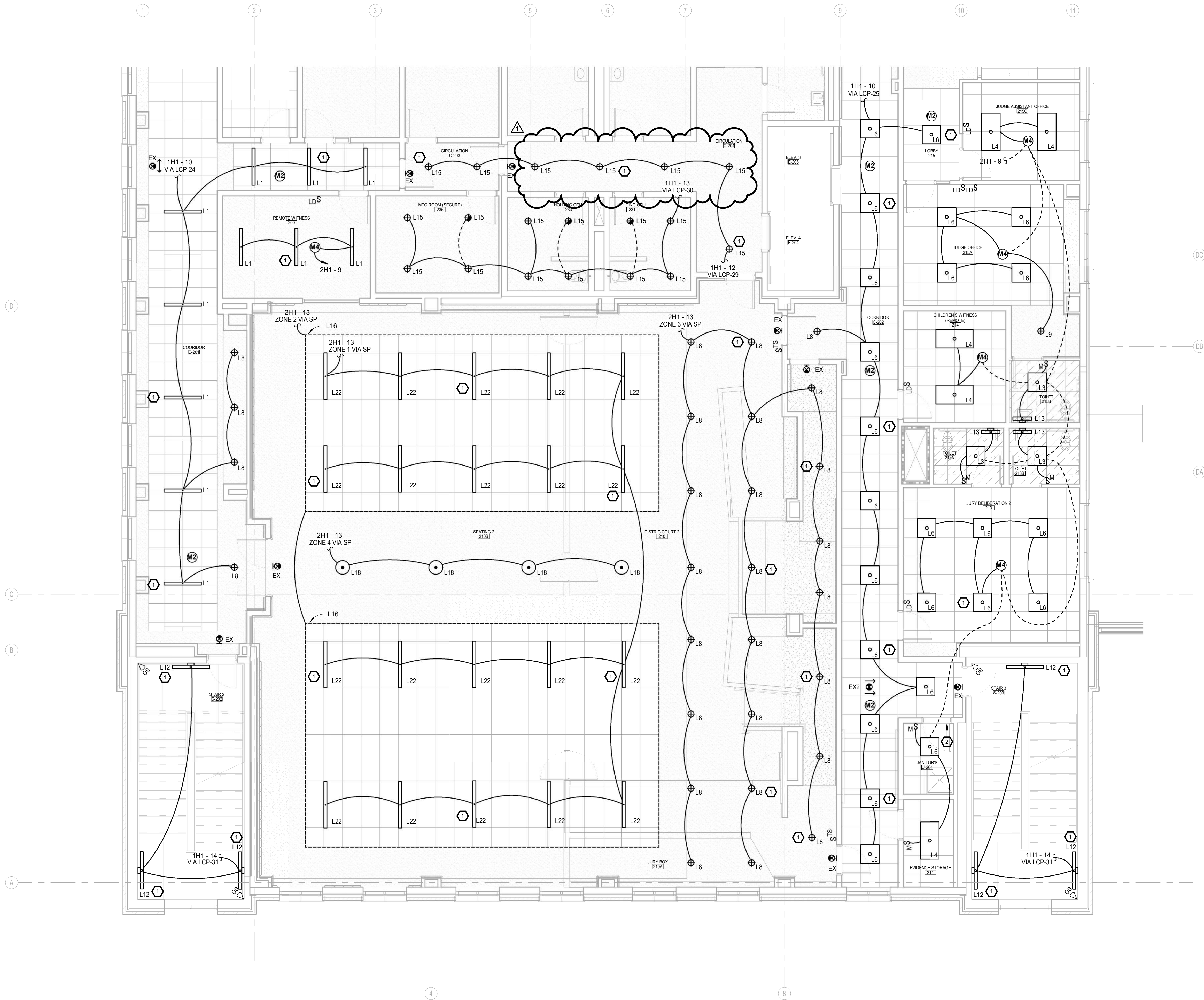
$$1'' = 20'-0''$$



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E1.11B

LEVEL 2 - ENLARGED LIGHTING PLAN - B

3/16" = 1'-0"



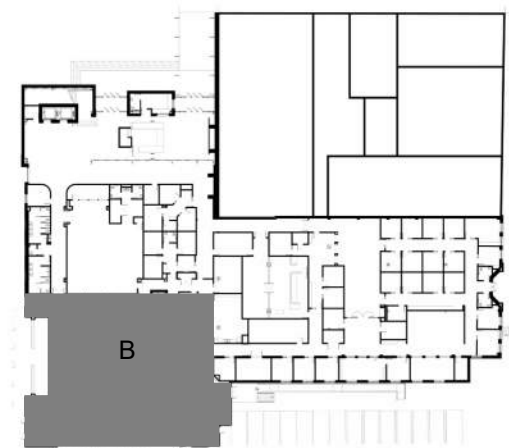
KEY NOTES E1.11B

1. FIXTURE TO BE USED AS EMERGENCY LIGHT. CONNECT BATTERY BACKUP UNSWITCHED AHEAD OF NORMAL CONTROL. FIXTURE TO RETURN TO FULL BRIGHTNESS ON LOSS OF NORMAL POWER WHERE APPLICABLE.
2. PROVIDE 0-10V SMART PACK DIMMING CONTROLLERS AND ALL ASSOCIATED DEVICES AND CABLES TO MEET SEQUENCE OF OPERATIONS FOR 2 ZONES OF CONTROL. IN DISTRICT COURT 2, LOCATE EQUIPMENT WALL MOUNTED ABOVE DOOR OR READILY ACCESSIBLE ABOVE CEILING IN THIS ROOM. SEE 310.02 FOR DETAILS.

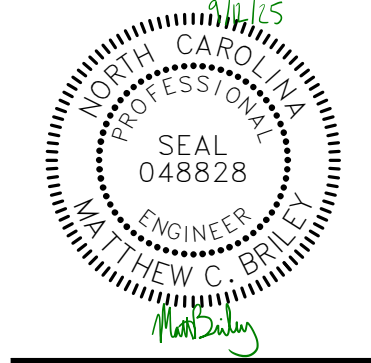
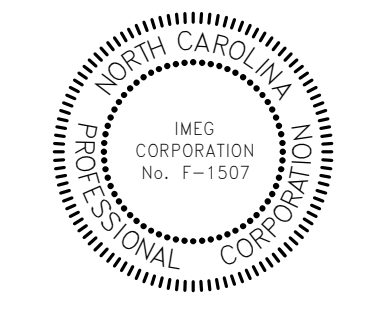
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR LIGHTING CONTROLS. SEE SYMBOL LEGEND ON E0.00 AND LIGHTING CONTROLS RISER ON E0.02 FOR DETAILS.
2. CONNECT EXIT LIGHTS TO THE LOCAL LIGHTING CIRCUIT UNSWITCHED.
3. INSTALL LIGHTING CONTROLS EQUIPMENT IN ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED. DO NOT INSTALL ABOVE HARD CEILINGS UNLESS ACCESSIBLE BY ACCESS PANEL. COORDINATE ACCESS PANEL LOCATIONS WITH ARCHITECT PRIOR TO EQUIPMENT ROUGH-IN.
4. CONTRACTOR TO SUBMIT A SITE SPECIFIC LIGHTING CONTROLS DIAGRAM FOR APPROVAL.
5. ALL FIXTURES AND ZONES CONTROLLED BY TOUCHSCREEN CONTROLS SHALL HAVE DIMMING CAPABILITIES AS INDICATED BY THE PLANS AND/OR THE SEQUENCE OF OPERATIONS.
6. SEE SEQUENCE OF OPERATIONS FOR CONTROL INTENT. PROVIDE LIGHTING CONTROLS AS REQUIRED TO IMPLEMENT DESIGN INTENT.
7. CEILING SENSORS AND POWERPACKS HAVE BEEN SHOWN FOR INTENT ONLY. ACTUAL QUANTITIES AND LOCATIONS SHALL BE VERIFIED BY THE CONTROLS MANUFACTURER/MANUFACTURER'S REPRESENTATIVE. E.C. IS RESPONSIBLE FOR ALL DEVICES REQUIRED FOR RECOMMENDED COVERAGE IN EACH SPACE. OPEN OFFICE, FILE ROOMS, AND CONFERENCE ROOM AREAS SHALL HAVE SENSOR QUANTITIES BASED ON HAND MOTION ("SMALL MOTION") WITH A 20% OVERLAP IN COVERAGE.
8. IN ROOMS CONTAINING MULTIPLE FIXTURE TYPES, ZONE BY FIXTURE TYPE UNLESS SHOWN OTHERWISE.

KEY PLAN



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Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date	Project No.
09/02/25	21054
Drawn By	Sheet No.
MCB	E1.11B
Checked By	Sheet Title
MCB	LEVEL 2 - ENLARGED LIGHTING PLAN

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North Carolina Engineering Registration #E-5307
PROJECT NUMBER
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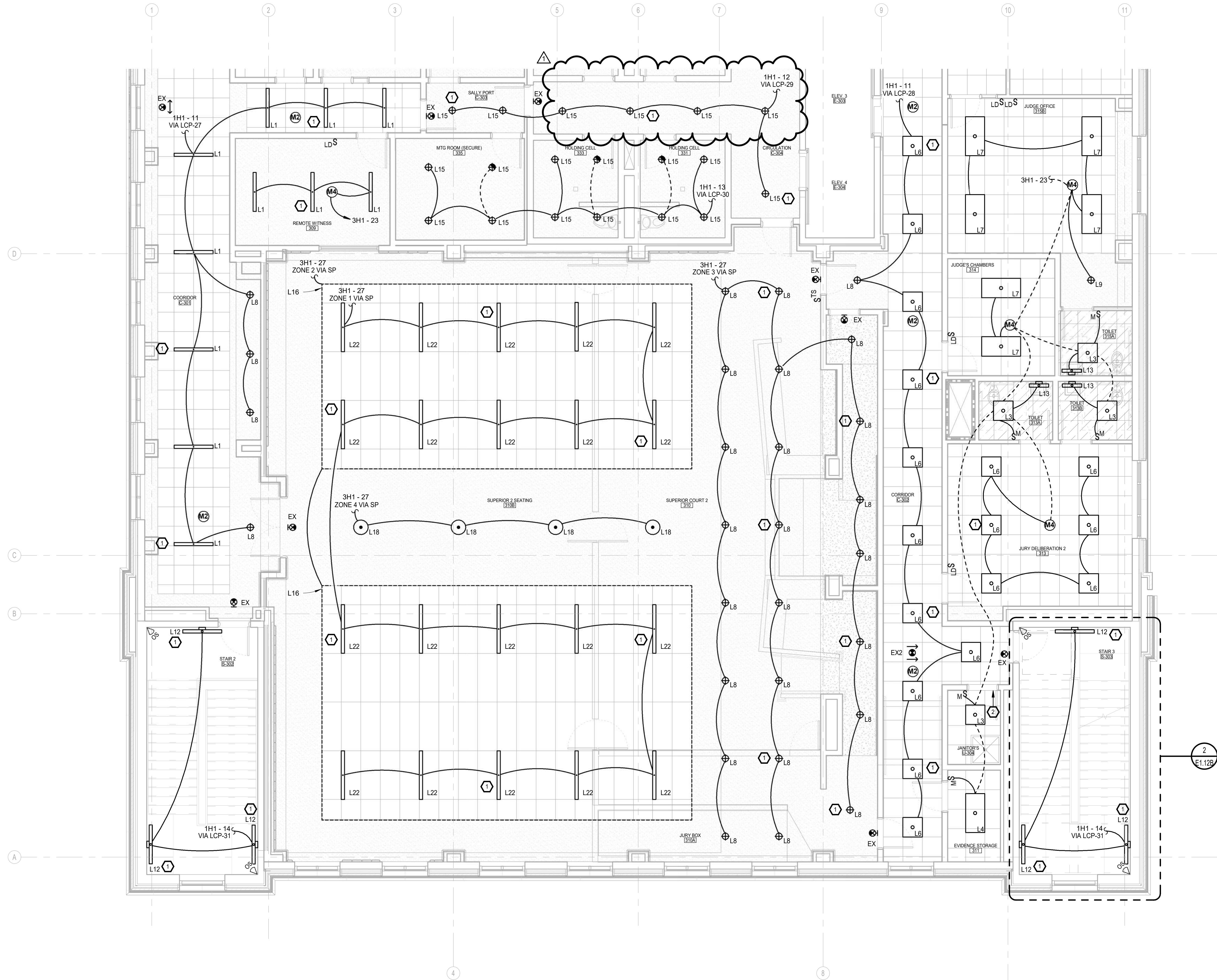
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1
E1.12B

LEVEL 3 - ENLARGED LIGHTING PLAN - B

3/16" = 1'-0"



KEY NOTES E1.12B

1. FIXTURE TO BE USED AS EMERGENCY LIGHT. CONNECT BATTERY BACKUP UNWITTHED AHEAD OF NORMAL CONTROL. FIXTURE TO RETURN TO FULL BRIGHTNESS ON LOSS OF NORMAL POWER WHERE APPLICABLE.
2. PROVIDE 0-10V SMART PACK DIMMING CONTROLLERS AND ALL ASSOCIATED DEVICES AND CABLES TO MEET SEQUENCE OF OPERATIONS FOR 4 ZONES OF CONTROL IN SUPERIOR COURT 2. LOCATE EQUIPMENT WALL MOUNTED ABOVE DOOR OR READILY ACCESSIBLE ABOVE CEILING IN THIS ROOM. SEE 3E0.02 FOR DETAILS.

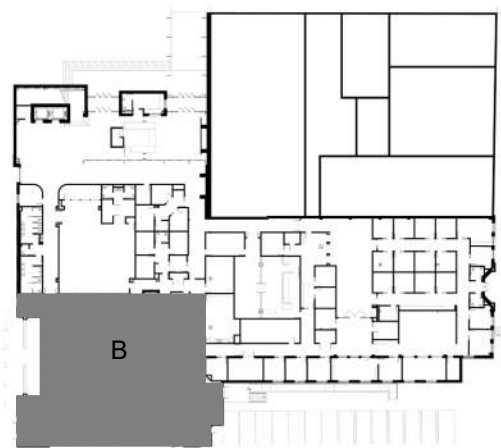
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR LIGHTING CONTROLS. SEE SYMBOL LEGEND ON E0.00 AND LIGHTING CONTROLS RISER ON E0.02 FOR DETAILS.
2. CONNECT EXIT LIGHTS TO THE LOCAL LIGHTING CIRCUIT UNWITTHED.
3. INSTALL LIGHTING CONTROLS EQUIPMENT IN ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED. DO NOT INSTALL ABOVE HARD CEILING UNLESS ACCESSIBLE BY ACCESS PANEL. COORDINATE ACCESS PANEL LOCATIONS WITH ARCHITECT PRIOR TO EQUIPMENT ROUGH-IN.
4. CONTRACTOR TO SUBMIT A SITE SPECIFIC LIGHTING CONTROLS DIAGRAM FOR APPROVAL.
5. ALL FIXTURES AND ZONES CONTROLLED BY TOUCHSCREEN CONTROLS SHALL HAVE DIMMING CAPABILITIES AS INDICATED BY THE PLANS AND/OR THE SEQUENCE OF OPERATIONS.
6. SEE SEQUENCE OF OPERATIONS FOR CONTROL INTENT. PROVIDE LIGHTING CONTROLS AS REQUIRED TO IMPLEMENT DESIGN INTENT.
7. CEILING SENSORS AND POWERPACKS HAVE BEEN SHOWN FOR INTENT ONLY. ACTUAL QUANTITIES AND LOCATIONS SHALL BE VERIFIED BY THE CONTROLS MANUFACTURER/MANUFACTURERS REPRESENTATIVE. E.C. IS RESPONSIBLE FOR ALL DEVICES REQUIRED FOR RECOMMENDED COVERAGE IN EACH SPACE. OPEN OFFICE, FILE ROOMS, AND CONFERENCE ROOM AREAS SHALL HAVE SENSOR QUANTITIES BASED ON HAND MOTION ("SMALL MOTION") WITH A 20% OVERLAP IN COVERAGE.
8. IN ROOMS CONTAINING MULTIPLE FIXTURE TYPES, ZONE BY FIXTURE TYPE UNLESS SHOWN OTHERWISE.

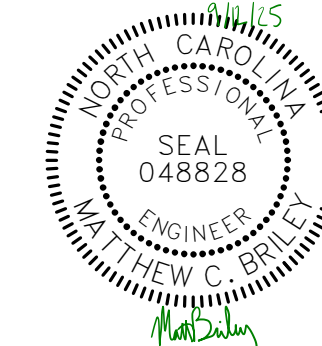
2 ROOF LIGHTING PLAN - STAIR 3

3/16" = 1'-0"

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date
09/02/25

Project No.
21054

Drawn By
MCB

Sheet No.
E1.12B

Checked By
MCB

Sheet Title
LEVEL 3 - ENLARGED LIGHTING PLAN

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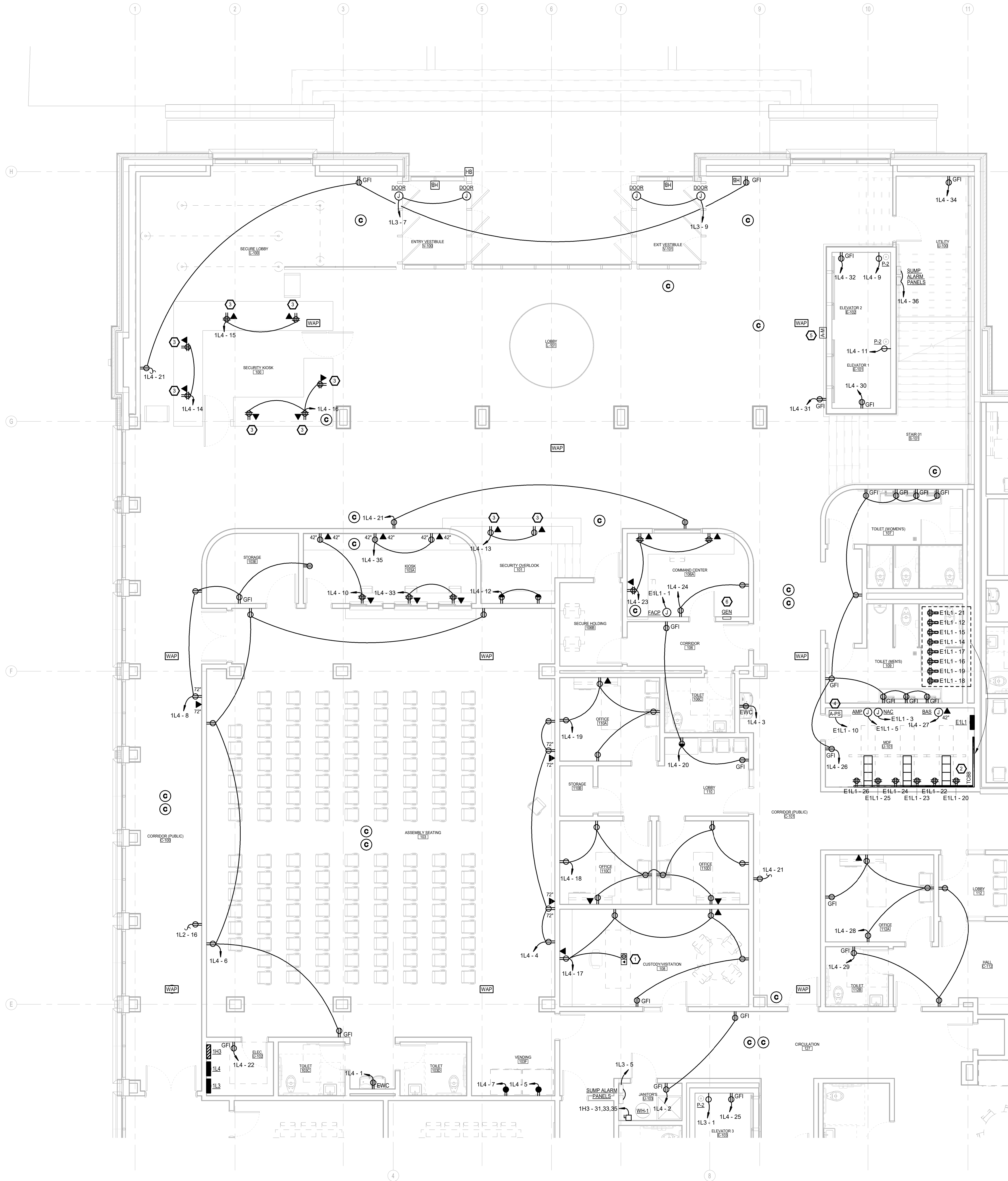
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North Carolina State Registration #E-1507
PROJECT NUMBER
24049
REF. SCALE IN INCHES
1" = 1'-0"



1
E1.20A

LEVEL 1 - ENLARGED POWER PLAN - A

3/16" = 1'-0"



ADDENDUM 1 CHANGES:

1. ADDED CAMERA LOCATIONS THROUGHOUT.
2. ADDED NOTE 6 UNDER NOTES.
3. ADDED DISPLAY HEIGHT RECEPTACLE AND DATA OUTLET IN CORRIDOR C-100 OUTSIDE OF ASSEMBLY SEATING 103.

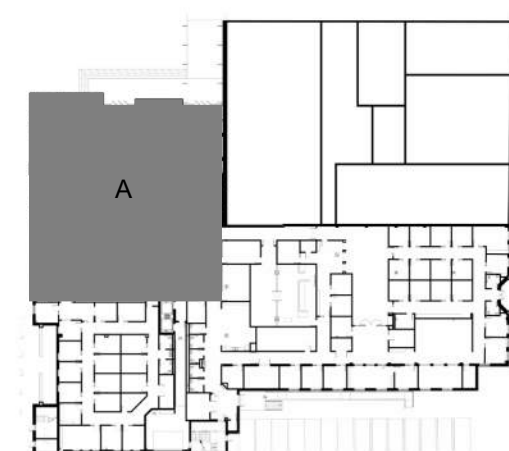
KEY NOTES E1.20A

1. FLUSH TO FLOOR BOX WITH RECEPTACLE(S) AND/OR DATA OUTLET(S). ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/IDF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
2. PROVIDE 8' TALL FIREPROOFED PLYWOOD TELECOMMUNICATION BACKBOARD AS INDICATED ON PLANS. PROVIDE (4) 1/4" EMPTY CONDUITS WITH PULL WIRE TO PROPERTY LINES FOR NEW TELECOMMUNICATION SERVICES. FIELD COORDINATE EXACT STUB OUT LOCATIONS, TERMINATION POINTS, AND CONDUIT ROUTING WITH SERVICE PROVIDER, OWNER, ARCHITECT, AND OTHER TRADES PRIOR TO ROUGH-IN. SEE 11E2.03 FOR COMMUNICATION RISER. SEE 11E3.01 FOR SERVICE GROUND DETAIL AND PROVIDE GROUND BAR AND CONDUCTORS AS DIRECTED. SEE 11E1.00 FOR ELECTRICAL SITE PLAN FOR PROPOSED CONDUIT ROUTING. INSTALL RECEPTACLES ON BOARD AS DIRECTED BY OWNER AND OWNER'S VENDORS TO POWER EQUIPMENT.
3. RECEPTACLE AND/OR DATA OUTLET TO BE INSTALLED AT CASEWORK. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. ROUTE CONDUITS UNDER SLAB TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE.
4. SEE 5E0.01 FOR DETAILS. LOCATE RELAY AND POWER SUPPLY CABINETS FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM IN ACCESSIBLE CEILING SPACE IN THIS AREA.
5. SEE 5E0.01 FOR DETAILS. MASTER STATION FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM. FIELD COORDINATE INSTALLATION WITH FIRE MARSHAL AND ARCHITECT PRIOR TO ROUGH-IN.
6. INSTALL GENERATOR REMOTE ANNUNCIATOR FLUSH MOUNTED IN THIS AREA. FIELD COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ANNUNCIATOR WIRING AS REQUIRED.

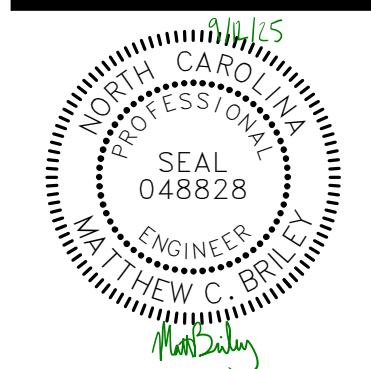
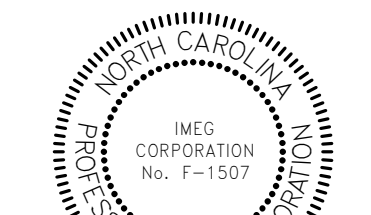
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.03 FOR ADDITIONAL DETAILS.
2. ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6' BACK TO PATCH PANEL IN NEAREST MDF/IDF ROOM. IN AREAS WITH EXPOSED CEILING, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNER'S THIRD PARTY VENDORS PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED, SHALL SUPERSEDE THESE PLANS.
4. DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 11E3.00 FOR TYPICAL WIRING DETAIL.
5. THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOXES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)&(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date	09/02/25	Project No.	21054
Drawn By	MCB	Sheet No.	E1.20A
Checked By	MCB	Sheet Title	LEVEL 1 - ENLARGED POWER PLAN

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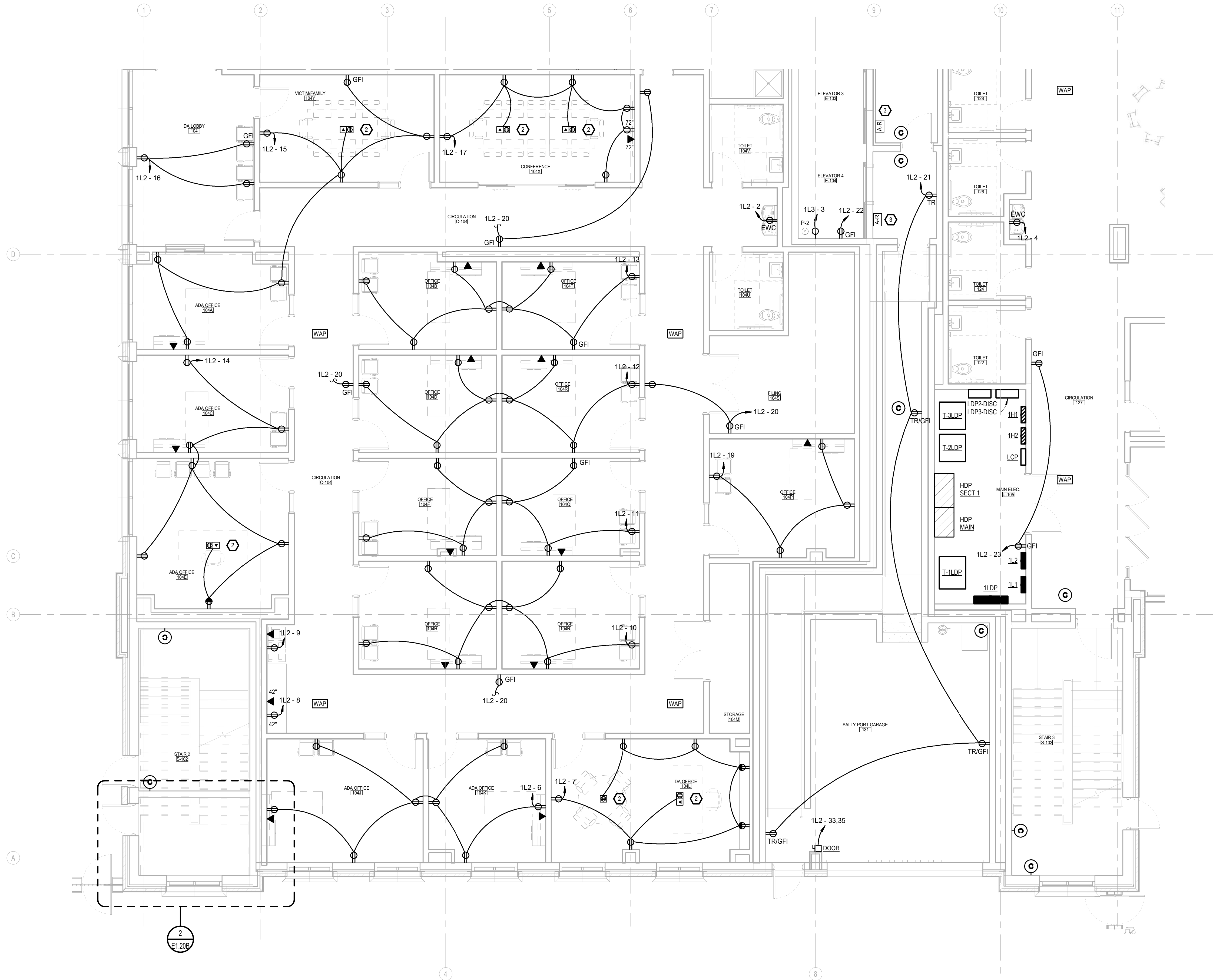
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North Carolina Engineering Registration #E-5307
PROJECT NUMBER
1
REF. SCALE IN INCHES
1" = 1'-0"



1
E1.20B

LEVEL 1 - ENLARGED POWER PLAN - B

3/16" = 1'-0"



ADDENDUM 1 CHANGES:

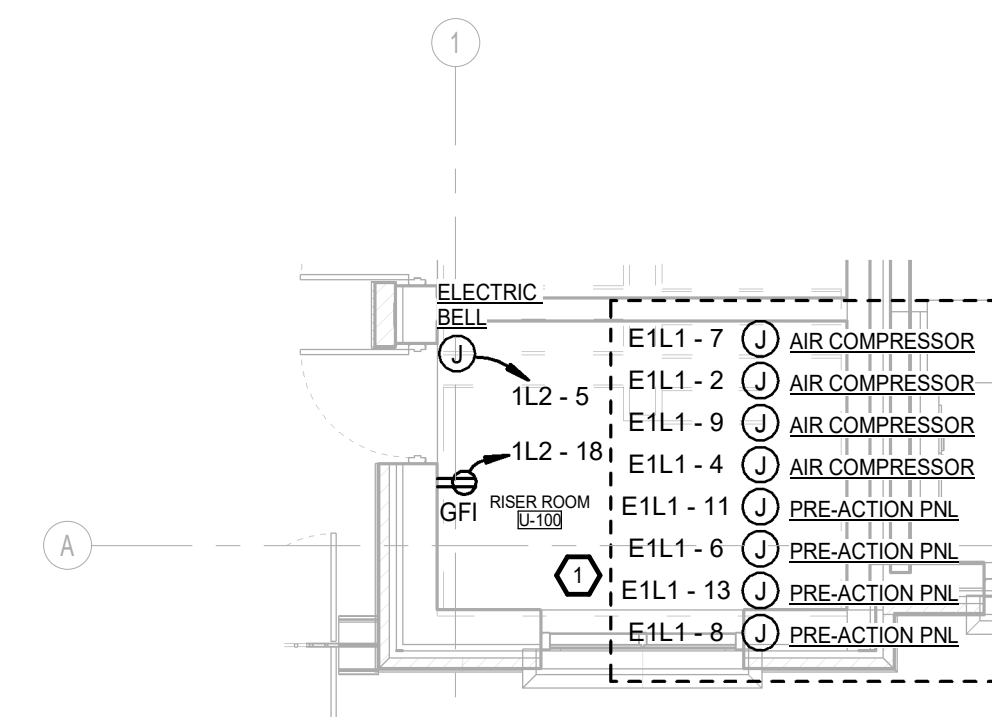
1. ADDED CAMERA LOCATIONS THROUGHOUT.
2. ADDED NOTE 8 UNDER NOTES.
3. ADDED POWER FOR OVERHEAD DOOR AT SALLY PORT GARAGE 131.
4. REMOVED CAMERA SHOWN IN RISER ROOM IN 2/E1.20B.

KEY NOTES E1.20B

1. FIELD COORDINATE EXACT LOCATION OF ALL EQUIPMENT IN RISER ROOM WITH SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
2. FLUSH TO FLOOR BOX WITH RECEPTACLE(S) AND/OR DATA OUTLET(S). ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/IDF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
3. SEE 9/E0.01 FOR DETAILS. REMOTE STATION FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM. FIELD COORDINATE INSTALLATION WITH FIRE MARSHAL AND ARCHITECT PRIOR TO ROUGH-IN.

NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.00 FOR ADDITIONAL DETAILS.
2. ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6' BACK TO PATCH PANEL IN NEAREST MDF/IDF ROOM. IN AREAS WITH EXPOSED CEILING, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNER'S THIRD PARTY VENDOR(S) PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED. SHALL SUPERSEDE THESE PLANS.
4. DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 1/E0.00 FOR TYPICAL WIRING DETAIL.
5. THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOXES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)&(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.



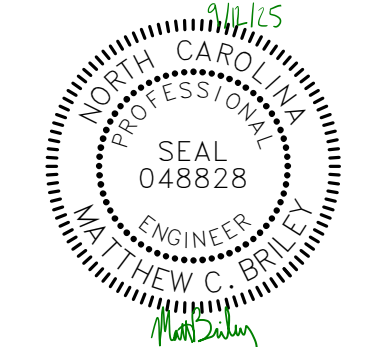
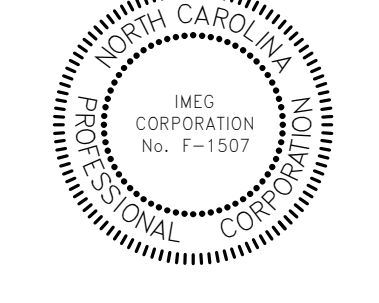
LEVEL 0 - POWER PLAN - RISER RM

3/16" = 1'-0"

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
1	ADDCN01M #1		09/12/25

Date	09/02/25	Project No.	21054
Drawn By	MCB	Sheet No.	E1.20B
Checked By	MCB	Sheet Title	LEVEL 1 - ENLARGED POWER PLAN

OAKLEY COLLIER ARCHITECTS
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North Carolina Engineering Registration #E-1507
PROJECT NUMBER

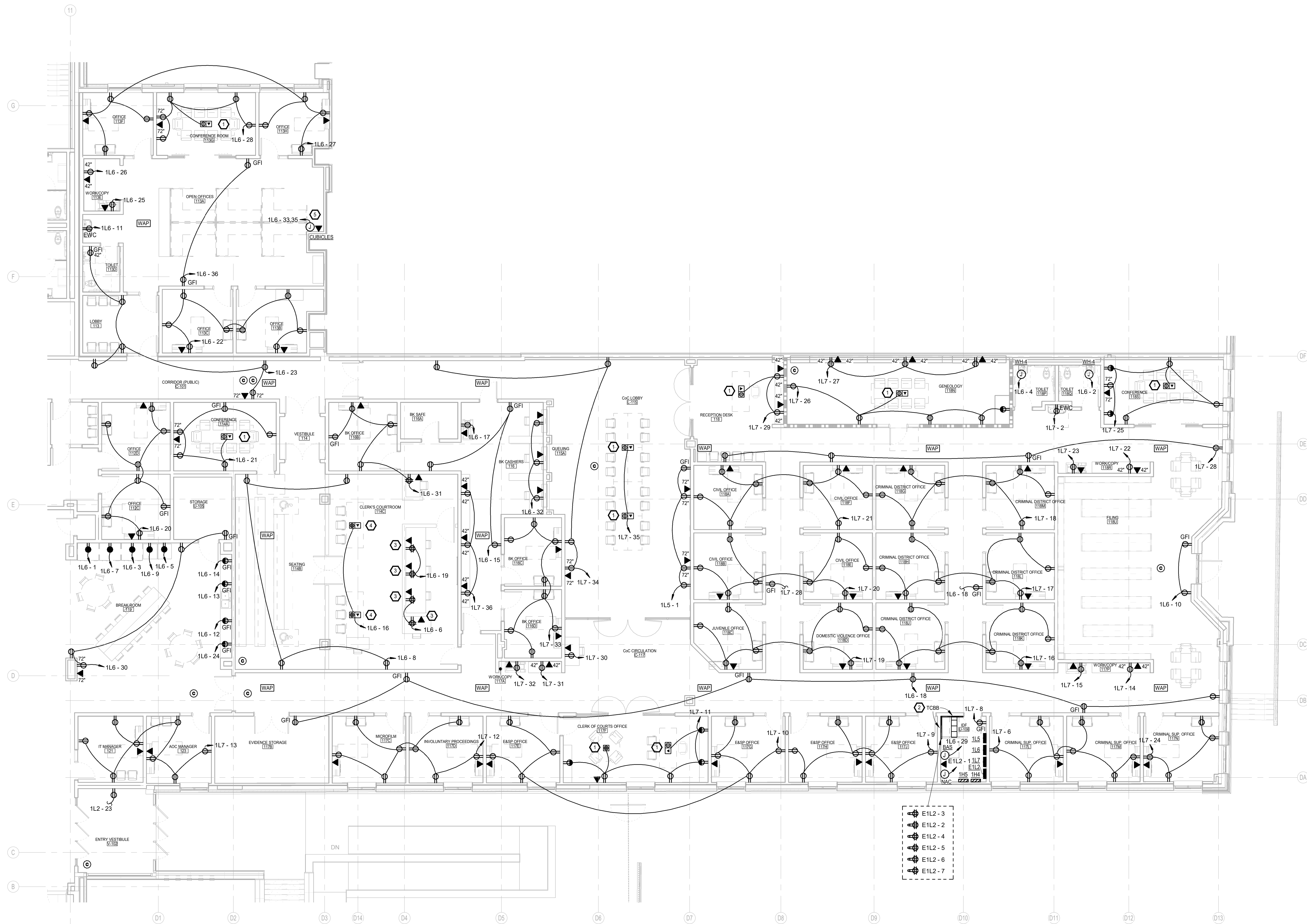
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1
E1.20C

LEVEL 1 - ENLARGED POWER PLAN - C

1/8" = 1'-0"



ADDENDUM 1 CHANGES:

1. ADDED CAMERA LOCATIONS THROUGHOUT.
2. ADDED NOTE UNDER NOTES.
3. ADDED DISPLAY HEIGHT RECEPTACLES AND DATA OUTLETS IN CORRIDOR C-101 OUTSIDE OF CLERK'S COURTROOM 114C, IN C/G LOBBY L-115, AND IN BREAKROOM 119.
4. CHANGED STANDARD RECEPTACLE TO GFI RECEPTACLE IN STORAGE U-105.

KEY NOTES E1.20C

1. FLUSH TO FLOOR BOX WITH RECEPTACLE(S) AND/OR DATA OUTLET(S). ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CUT AND PATCH SLAB AS REQUIRED. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/IDF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
2. PROVIDE 6' TALL PRE-PROTECTED FLYWOOD TELECOMMUNICATION BACKBOARD AS INDICATED ON PLANS. PROVIDE NEW FIBER CABLE OVERHEAD TO MDF U-101. SEE COMMUNICATIONS RISER 1/E2.03 FOR DETAILS. INSTALL RECEPTACLES ON BOARD AS DIRECTED BY OWNER AND OWNERS' VENDORS TO POWER EQUIPMENT. PROVIDE GROUND BAR AND GROUNDING ELECTRODE CONDUCTOR AS DIRECTED ON 1/E0.01.
3. RECEPTACLE AND/OR DATA OUTLET TO BE INSTALLED AT CASEWORK. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. ROUTE CONDUITS UNDER SLAB TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CUT AND PATCH EXISTING SLAB AS REQUIRED.
4. FLUSH TO FLOOR BOX WITH RECEPTACLE(S), DATA OUTLET(S), AND/OR AV DEVICES. ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CUT AND PATCH SLAB AS REQUIRED. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/IDF ROOM. ROUTE AV CABLES TO CRANE SYSTEM IT RACK PER OWNER INSTRUCTION. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
5. E.C. TO MAKE FINAL CONNECTIONS TO CUBICLES PER MANUFACTURER INSTRUCTION. PROVIDE FURNITURE FEED BOX COVERS AND WHIPS AS REQUIRED TO CONNECT TO CUBICLES.

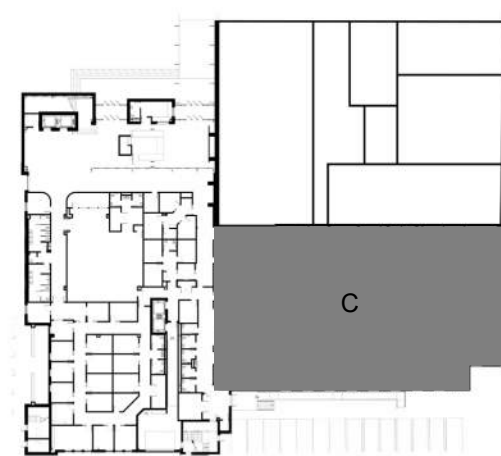
DEMOLITION NOTES:

1. THE EXISTING SINGLE STORY ANNEX ELECTRICAL SERVICE IS TO REMAIN ONLINE AND OPERATIONAL UNTIL THE 3-STORY ADDITION IS COMPLETE AND OPERATIONS ARE RELOCATED TO THE ADDITION. ONCE THE EXISTING SINGLE STORY BUILDING HAS BEEN VACATED, THE ELECTRICAL CONTRACTOR SHALL DEMOLISH THE EXISTING SINGLE STORY ANNEX ELECTRICAL SYSTEM IN ITS ENTIRETY. THE EXISTING SINGLE STORY ANNEX WILL THEN BE RENOVATED AND ALL NEW EQUIPMENT TIED INTO THE 3-STORY ADDITION'S ELECTRICAL SERVICE. REFER TO ARCHITECTURAL PLANS FOR PHASING DIAGRAMS AND GENERAL NOTES ON E0.00 FOR PHASING AND DEMOLITION NOTES AND DETAILS. COORDINATE DEMOLITION WITH THE OWNER, ARCHITECT, GENERAL CONTRACTOR, AND OTHER TRADES.

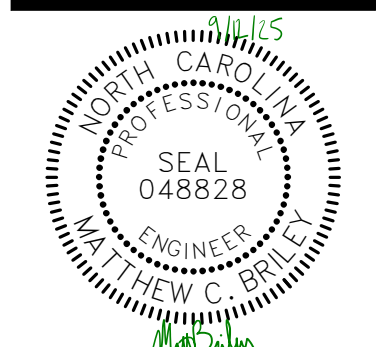
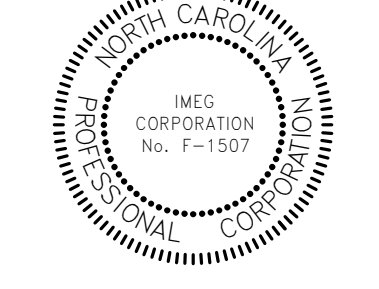
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.03 FOR ADDITIONAL DETAILS.
2. ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6' BACK TO PATCH PANEL IN NEAREST MDF/IDF ROOM. IN AREAS WITH EXPOSED CEILING, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNERS' THIRD PARTY VENDORS PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED. SHALL SUPERSEDE THESE PLANS.
4. DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 1/E0.00 FOR TYPICAL WIRING DETAIL.
5. THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOXES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)&(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date: 09/02/25
Project No: 21054

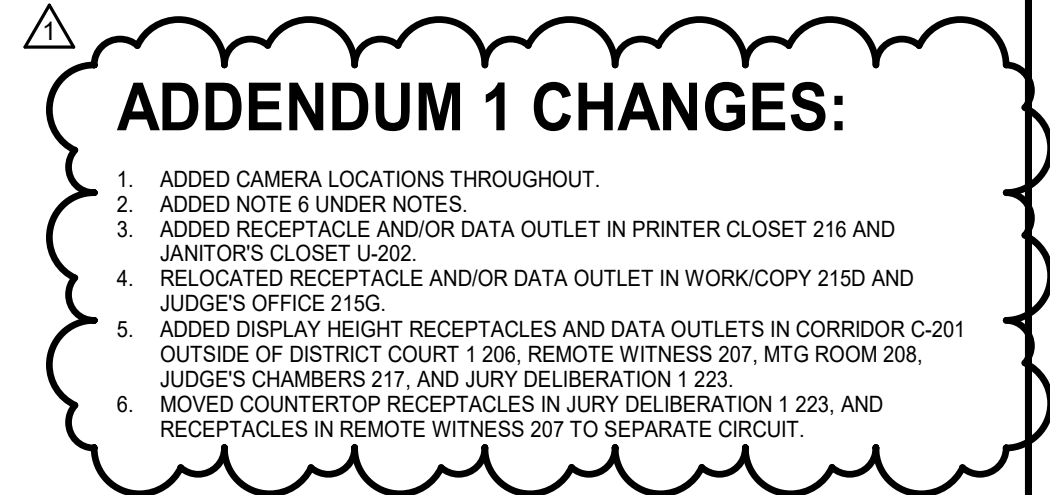
Drawn By: MCB
Checked By: MCB
Sheet No: E1.20C

Sheet Title:
LEVEL 1 - ENLARGED POWER PLAN

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27884 (P) 252.937.2530
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ATLANTEC
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North Carolina Engineering Registration #E-5307
PROJECT NUMBER
REF. SCALE IN INCHES
1" = 1'-0"



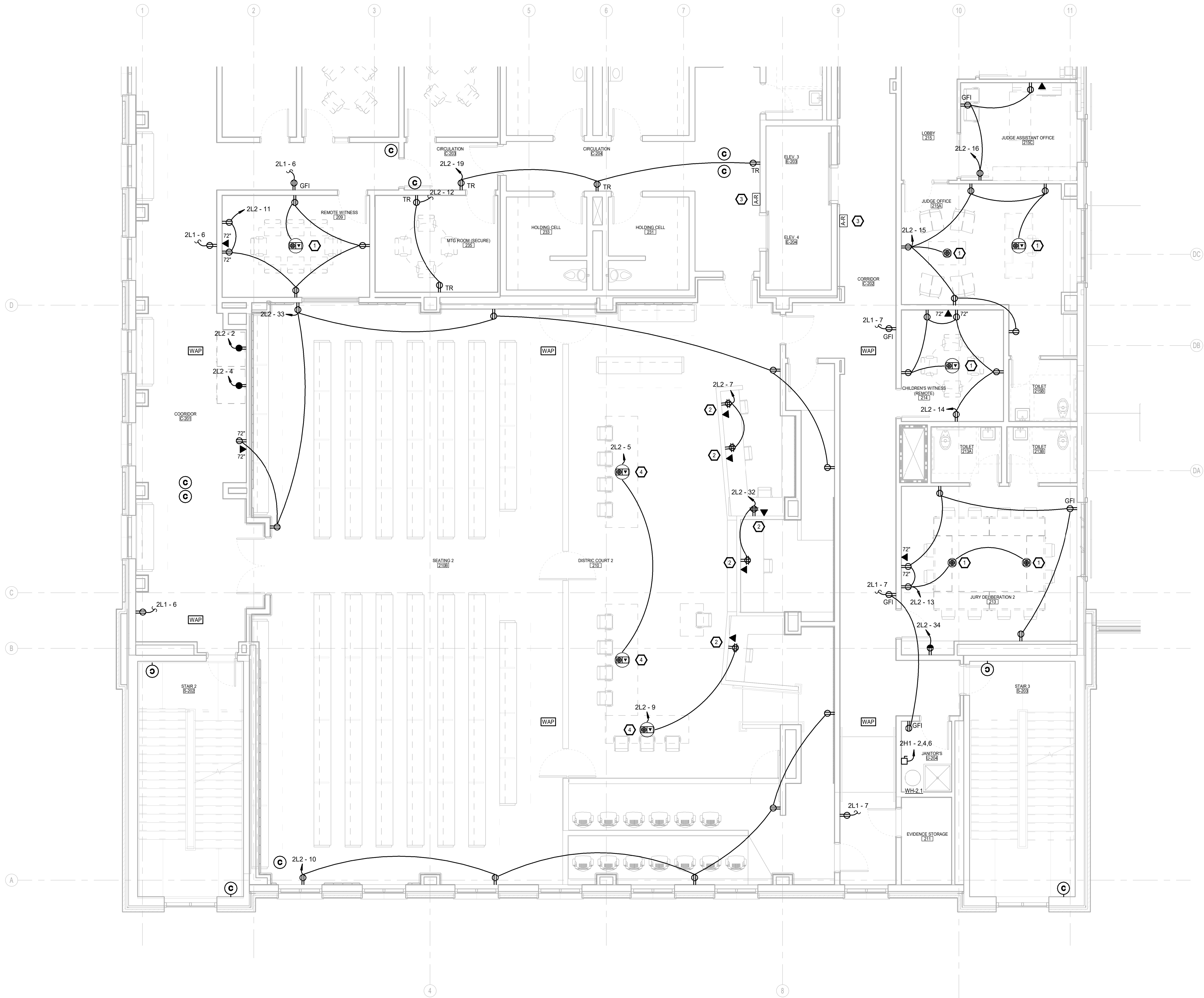
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROP, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.0 AND COMMUNICATION AND SECURITY RISERS ON E2.0 FOR ADDITIONAL DETAILS.
2. ROUTE DATA CABLE OVERHEAD ON HOOKS EVERY 8' BACK TO PATCH PANEL IN NEAREST MD/IFD ROOM. IN AREAS WITH EXPOSED CEILING, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. PROVIDE ACCESS CONTROL DEVICE AND ACCESS CONTROL DEVICE MOUNTING WITH THE OWNER, ARCHITECT AND OWNERS' THIRD PARTY VENDORS (S) PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS. IF PROVIDED, SHALL SUPERSEDE THESE PLANS.
4. DISCONNECT SHOWN FOR PLUMBING EQUIPMENT. THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 10.0.0 FOR TYPICAL WIRING DETAIL.
5. ALL SHALL BE FIELD COORDINATE EXACT LOCATION OF ALL FLOORBOARDS WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. IN ADDITION TO OTHER THAN DEDICATED ELECTRICAL ROOMS AND IDF ROOMS, THE ELECTRICAL CONTRACTOR SHALL PART OR TAKE THE MINIMUM REQUIRED NEC 110.26(A)(1)&(2) WORKING SPACE ON FLOOR. COORDINATE WITH ARCHITECT.

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date
1	ADDENDUM #1	09/12/25

Date	Project No.
09/02/25	21054
Drawn By	Sheet No.
MCB	E1.21A
Checked By	Sheet Title
MCB	LEVEL 2 - ENLARGED POWER PLAN



ADDENDUM 1 CHANGES:

1. ADDED CAMERA LOCATIONS THROUGHOUT.
2. ADDED NOTE 8 UNDER NOTES.
3. ADDED GFCI RECEPTACLE IN JANITOR'S U-204.
4. ADDED DISPLAY HEIGHT RECEPTABLES AND DATA OUTLETS IN REMOTE WITNESS 206, CORRIDOR C-201 OUTSIDE OF DISTRICT COURT 2 210, CHILDREN'S WITNESS (REMOTE) 214, AND JURY DELIBERATION 2 213 TO SEPARATE CIRCUIT.
5. MOVED COUNTERTOP RECEPTACLE IN JURY DELIBERATION 2 213 TO SEPARATE CIRCUIT.

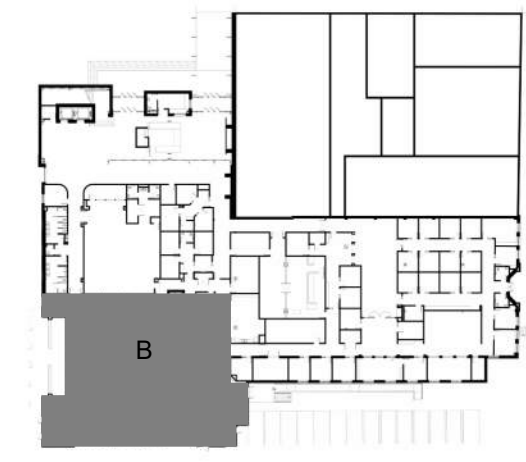
KEY NOTES E1.21B

1. FLUSH TO FLOOR POKE THROUGH WITH RECEPTABLE(S) AND/OR DATA OUTLET(S). CORE DRILL FLOOR AS REQUIRED. ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
2. RECEPTACLE AND/OR DATA OUTLET TO BE INSTALLED AT CASEWORK. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. ROUTE CONDUITS UNDER FLOOR IN LOWER FLOORS ACCESSIBLE CEILING SPACE TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE.
3. SEE 501 FOR DETAILS. REMOTE STATION FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM. FIELD COORDINATE INSTALLATION WITH FIRE MARSHAL AND ARCHITECT PRIOR TO ROUGH-IN.
4. FLUSH TO FLOOR POKE THROUGH WITH RECEPTABLE(S), DATA OUTLET(S), AND/OR AV DEVICE(S). ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CORE DRILL FLOOR AS REQUIRED. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. ROUTE AV CABLES TO CRANE SYSTEM IT RACK PER OWNER INSTRUCTION. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.

NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.00 FOR ADDITIONAL DETAILS.
2. ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6' BACK TO PATCH PANEL IN NEAREST MDF/DF ROOM. IN AREAS WITH EXPOSED CEILINGS, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNER'S THIRD PARTY VENDOR(S) PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED, SHALL SUPERSEDE THESE PLANS.
4. DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 180.00 FOR TYPICAL WIRING DETAIL.
5. THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOARDS WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)&(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.

KEY PLAN



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1
E1.21B

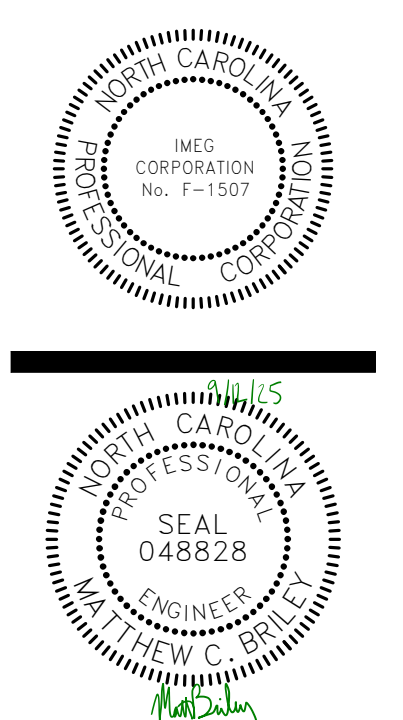
LEVEL 2 - ENLARGED POWER PLAN - B

3/16" = 1'-0"

OAKLEY COLLIER ARCHITECTS
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24049
North Carolina Engineering Registration #E-5207
North Carolina Surveying Registration #S-5207
PROJECT NUMBER
REF. SCALE IN INCHES
1" = 10'-0"

BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions	#	Description Date
	1	ADDENDUM #1 09/12/25
Date	09/02/25	Project No. 21054
Drawn By	MCB	Sheet No.
Checked By	MCB	E1.21B
Sheet Title: LEVEL 2 - ENLARGED POWER PLAN		

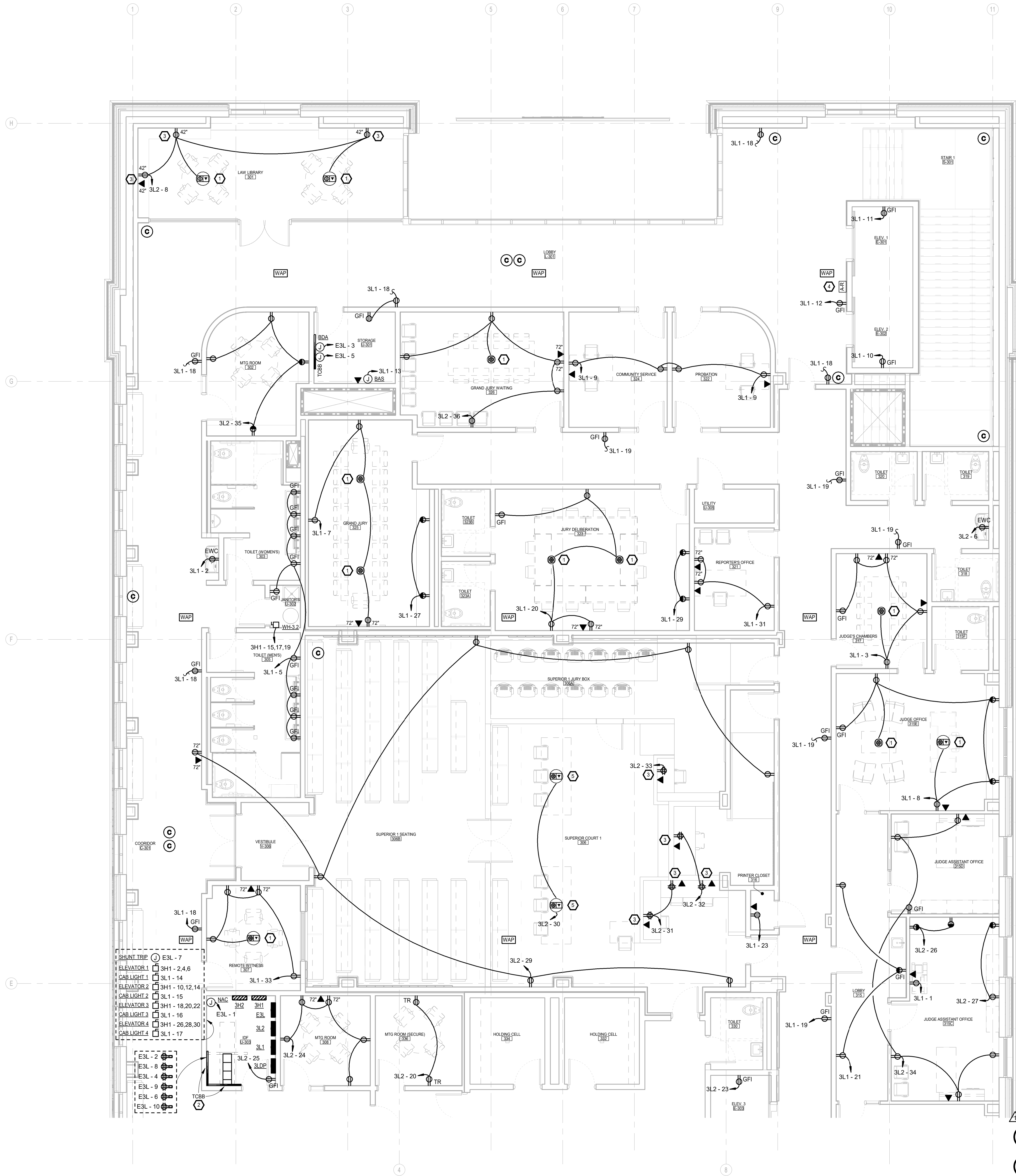
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1
E1.22A

LEVEL 3 - ENLARGED POWER PLAN - A

3/16" = 1'-0"



ADDENDUM 1 CHANGES:

1. ADDED CAMERA LOCATIONS THROUGHOUT.
2. ADDED NOTE 6 UNDER NOTES.
3. ADDED RECEPTACLES AND/OR DATA OUTLETS IN PRINTER CLOSET 316, LOBBY 315, JUDGE'S OFFICE 318B, JURY DELIBERATION 323, AND JANITORS CLOSET U-302.
4. ADDED DISPLAY HEIGHT RECEPTACLES AND DATA OUTLETS IN CORRIDOR C-301 OUTSIDE OF SUPERIOR COURT 306, REMOTE WITNESS 307, MTO ROOM 308, JUDGE'S CHAMBERS 317, JURY DELIBERATION 323, GRAND JURY 325, AND GRAND JURY WAITING 326.
5. MOVED COUNTERTOP RECEPTACLES IN JURY DELIBERATION 323 AND GRAND JURY 325 TO SEPARATE CIRCUIT.

KEY NOTES E1.22A

1. FLUSH TO FLOOR POKE THROUGH WITH RECEPTACLE(S) AND/OR DATA OUTLET(S). CORE DRILL FLOOR AS REQUIRED. ROUTE CONDUITS TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
2. PROVIDE 6" TALL FIREPROOFED PYROWOOD TELECOMMUNICATION BACKBOARD AS INDICATED ON PLANS. PROVIDE NEW FIBER CABLE TO IDF U-203. SEE COMMUNICATIONS RISER 1/02.03 FOR DETAILS. INSTALL RECEPTACLES ON BOARD AS DIRECTED BY OWNER AND OWNER'S VENDORS TO POWER EQUIPMENT. PROVIDE GROUND BAR AND GROUNDING ELECTRODE CONDUCTOR AS DIRECTED ON 1/02.01.
3. RECEPTACLE AND/OR DATA OUTLET TO BE INSTALLED AT CASEWORK. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. ROUTE CONDUITS UNDER FLOOR IN LOWER FLOORS ACCESSIBLE CEILING SPACE TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE.
4. SEE SELLU1 FOR DETAILS. REMOTE STATION FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM. FIELD COORDINATE INSTALLATION WITH FIRE MARSHAL AND ARCHITECT PRIOR TO ROUGH-IN.
5. FLUSH TO FLOOR POKE THROUGH WITH RECEPTACLE(S), DATA OUTLET(S), AND/OR AV DEVICE(S). ROUTE CONDUITS TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CORE DRILL FLOOR AS REQUIRED. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. ROUTE AV CABLES TO CRAVE SYSTEM IT RACK PER OWNER INSTRUCTION. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.

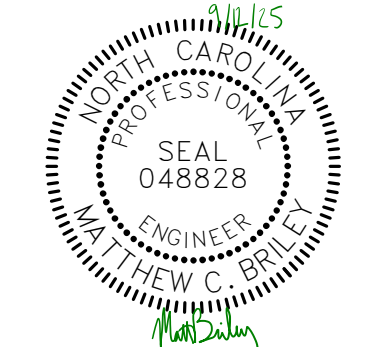
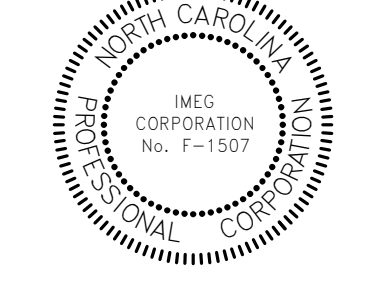
NOTES:

1. PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.03 FOR ADDITIONAL DETAILS.
2. ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6" BACK TO PATCH PANEL IN NEAREST MDF/DF ROOM. IN AREAS WITH EXPOSED CEILING, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
3. FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNER'S THIRD PARTY VENDORS PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED, SHALL SUPERSEDE THESE PLANS.
4. DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 1/02.00 FOR TYPICAL WIRING DETAIL.
5. THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOXES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
6. WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date: 09/02/25
Project No: 21054

Drawn By: MCB
Checked By: MCB
Sheet No: E1.22A

Sheet Title:
LEVEL 3 - ENLARGED POWER PLAN

OAKLEY COLLIER ARCHITECTS
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North Carolina Engineering Registration #E-1507
PROJECT NUMBER
REF. SCALE IN INCHES
1" = 1'-0"

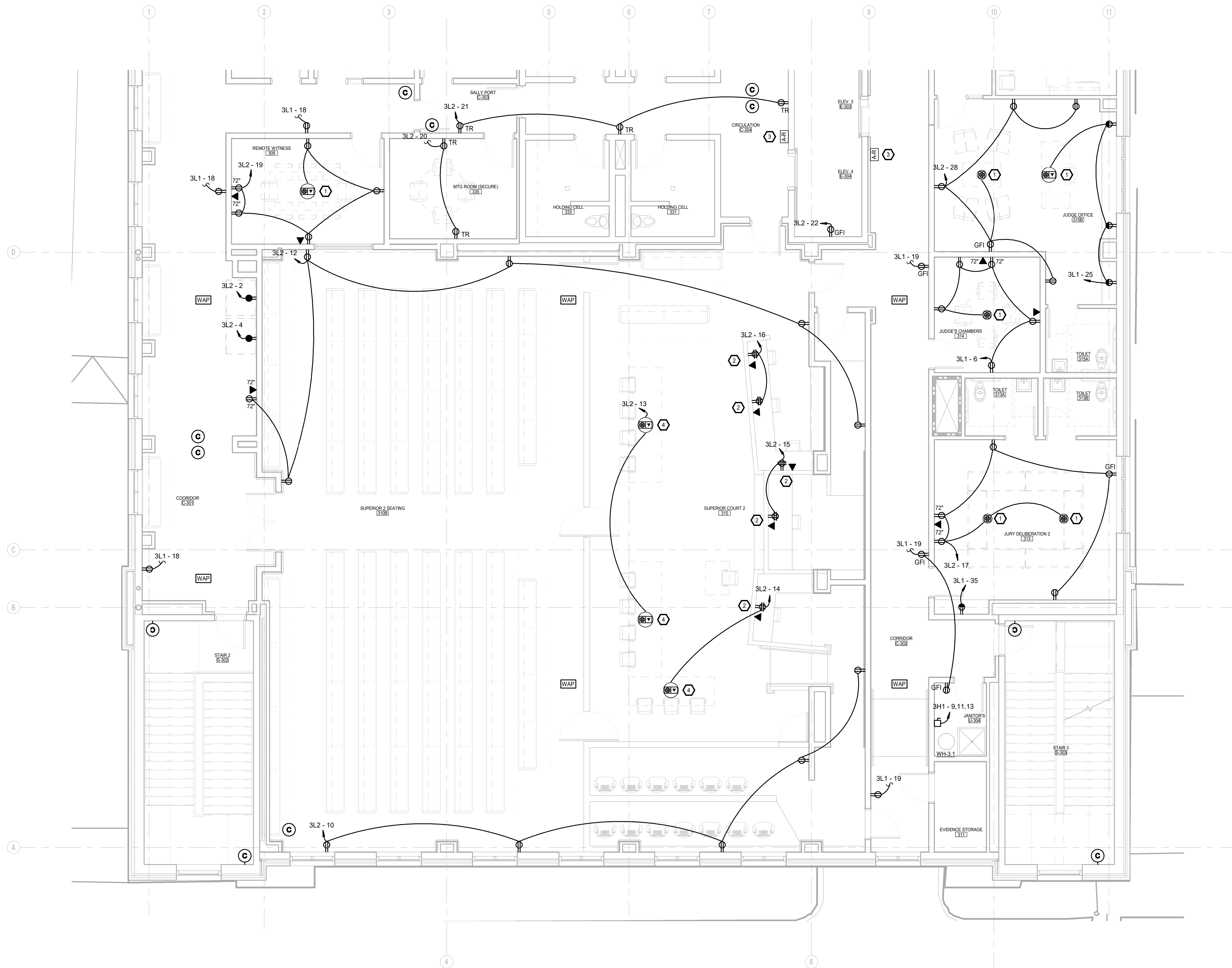
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1
E1.22B

LEVEL 3 - ENLARGED POWER PLAN - B

3/16" = 1'-0"



ADDENDUM 1 CHANGES:

- ADDED CAMERA LOCATIONS THROUGHOUT.
- ADDED NOTE 6 UNDER NOTES.
- ADDED GFCI RECEPTACLE IN JANITOR'S U-304.
- ADDED DISPLAY HEIGHT RECEPTACLES AND DATA OUTLETS IN REMOTE WITNESS 309, CORRIDOR C-301 OUTSIDE OF SUPERIOR COURT 2 310, JURY DELIBERATION 2 313, AND JUDGE'S CHAMBERS 314.
- MOVED COUNTERTOP RECEPTACLE IN JUDGE'S OFFICE 315B TO SEPARATE CIRCUIT.
- SPLIT RECEPTACLE CIRCUIT IN JUDGE'S OFFICE 315B INTO TWO CIRCUITS.

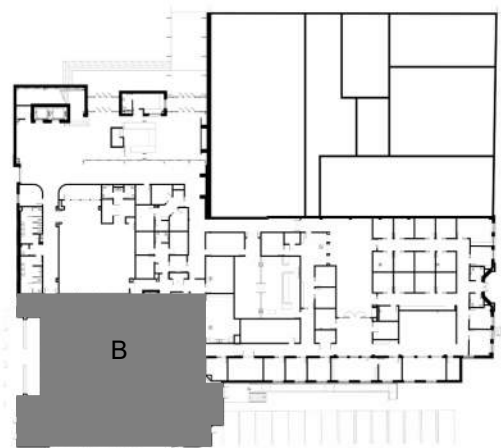
KEY NOTES E1.22B

- FLUSH TO FLOOR POKE-THROUGH WITH RECEPTACLE(S) AND/OR DATA OUTLET(S). CORE DRILL FLOOR AS REQUIRED. ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.
- RECEPTACLE AND/OR DATA OUTLET TO BE INSTALLED AT CASEWORK. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. ROUTE CONDUITS UNDER FLOOR IN LOWER FLOOR'S ACCESSIBLE CEILING SPACE TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE.
- SEE 96.01 FOR DETAILS. REMOTE STATION FOR TWO-WAY EMERGENCY COMMUNICATION SYSTEM. FIELD COORDINATE INSTALLATION WITH FIRE MARSHAL AND ARCHITECT PRIOR TO ROUGH-IN.
- FLUSH TO FLOOR POKE-THROUGH WITH RECEPTACLE(S), DATA OUTLET(S), AND/OR AV DEVICE(S). ROUTE CONDUIT(S) TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE. CORE DRILL FLOOR AS REQUIRED. ROUTE CAT6 CABLES TO PATCH PANEL IN NEAREST MDF/DF ROOM. ROUTE AV CABLES TO CRAVE SYSTEM IT RACK PER OWNER INSTRUCTION. SEE SYMBOL LEGEND FOR ADDITIONAL DETAILS.

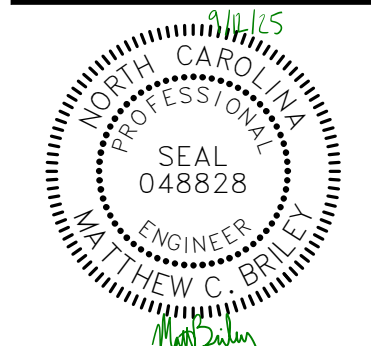
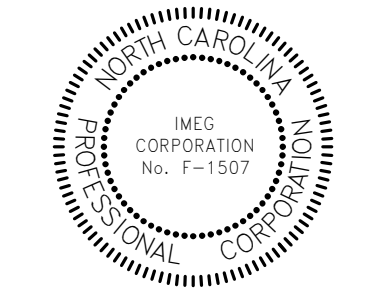
NOTES:

- PROVIDE LOW VOLTAGE CABLE AND CONTROL WIRE AS REQUIRED FOR ALL DATA DROPS, AV EQUIPMENT, SECURITY AND ACCESS CONTROL EQUIPMENT INDICATED OR IMPLIED BY THESE PLANS. SEE SYMBOL LEGEND ON E0.00 AND COMMUNICATION AND SECURITY RISERS ON E2.00 FOR ADDITIONAL DETAILS.
- ROUTE CAT6 CABLE OVERHEAD ON J-HOOKS EVERY 6' BACK TO PATCH PANEL IN NEAREST MDF/DF ROOM. IN AREAS WITH EXPOSED CEILINGS, PROVIDE CONDUIT AS REQUIRED FOR LOW VOLTAGE CABLE.
- FIELD COORDINATE THE INSTALLATION OF AV, SECURITY, AND ACCESS CONTROL DEVICE ROUGH-INS WITH THE OWNER, ARCHITECT, AND OWNER'S THIRD PARTY VENDOR(S) PRIOR TO ROUGH-IN. LOCATIONS AND DETAILS INDICATED ON VENDOR SHOP DRAWINGS, IF PROVIDED, SHALL SUPERSEDE THESE PLANS.
- DISCONNECTS SHOWN FOR PLUMBING EQUIPMENT ON THESE PLANS ARE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE 110.00 FOR TYPICAL WIRING DETAIL.
- THE E.C. SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL FLOORBOXES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DO NOT INSTALL OR DIMENSION PER THESE PLANS.
- WHERE ELECTRICAL PANELS ARE LOCATED IN OTHER THAN DEDICATED ELECTRICAL ROOMS (MDF AND IDF ROOMS), THE ELECTRICAL CONTRACTOR SHALL PAINT OR TAPE THE MINIMUM REQUIRED NEC 110.26(A)(1)(2) WORKING SPACE ON THE FLOOR. COORDINATE WITH ARCHITECT.

KEY PLAN



BID SET
FRANKLIN JUDICIAL CENTER
FRANKLIN COUNTY
W. NASH ST.
LOUISBURG, NC 27549



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
1	ADDENDUM #1		09/12/25

Date	Project No.
09/02/25	21054
Drawn By	Sheet No.
MCB	E1.22B
Checked By	Sheet Title
MCB	LEVEL 3 - ENLARGED POWER PLAN

OAKLEY COLLIER ARCHITECTS
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North Carolina Engineering Registration #E-1507
PROJECT NUMBER
REF. SCALE IN INCHES
1" = 1'-0"

PANEL 1H1

277/480V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT			
1	AREA LTS VA LCP	20	1	2.2	0.9		1	20	EXTERIOR BUILDING MT LTS VA LCP	2			
3	EXTERIOR CANOPY & BUILDING MT LTS VA LCP	20	1		1.0	0.8	1	20	EXTERIOR COURT/YARD LTS VA LCP	4			
5	1ST FLOOR LYS VA LCP	20	1			2.2	1.5	1	STAIR 1 COVE LTS VA LCP	6			
7	1ST FL CIRCULATION AREA 1A&1B LYS VA LCP	20	1	1.9	1.6		1	20	1ST FL CIRCULATION AREA 1C LTS VA LCP	8			
9	2ND FL LOBBY LYS VA LCP	20	1		2.9	1.2			2ND FL CIRCULATION AREA 2A&2B LTS VA LCP	10			
11	3RD FL LOBBY, AREA 3A&3B LTS VA LCP	20	1			1.5	0.8	1	SALLYPORT & SECURE CORRIDOR LTS VA LCP	12			
13	2ND & 3RD FL CELL & SECURE RM LTS VA LCP	20	1	0.8	0.9		1	20	STAIRS 2 & 3 FL CIRC. RISER RM LTS*	14			
15	SPARE	--	1		--	1.5			1ST FL AREA A LTS*	16			
17	SPARE	--	1			--	1.9	1	1ST FL AREA B LTS*	18			
19	SPARE	--	1	--	0.1		1	20	ELEVATOR LTS E-101	20			
21	SPARE	--	1		--	0.1	1	20	ELEVATOR LTS E-102	22			
23	SPARE	--	1			--	--	--	SPARE	24			
25	SPARE	--	1	--	--		1	--	SPARE	26			
27	SPARE	--	1		--	--		1	SPARE	28			
29	SPARE	--	1			--	--	--	SPARE	30			
31	SPARE	--	1		--	--	1	--	SPARE	32			
33	SPARE	--	1		--	--		1	SPARE	34			
35	SPARE	--	1			--	--	--	SPARE	36			
37	SPARE	20	1	0.0	0.0		1	20	SPARE	38			
39	SPARE	20	1		0.0	0.0		1	SPARE	40			
41	SPARE	20	1			0.0	0.0	1	20	SPARE	42		
TOTAL LOAD:				8.3 kVA		7.5 kVA		7.8 kVA					
TOTAL AMPS:				30 A		27 A		28 A					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	DEMAND	TOTAL LOAD				PANEL INFORMATION				
LIGHTING		23604 VA	125.00%	29505 VA	CONNECTED LOAD:		24 kVA		LOCATION:		MAIN ELEC. U-105	BUS SIZE:	250 A
					DEMAND LOAD:		30 kVA		MOUNTING:		HDP1	MTL	MLO
									ENCLOSURE:		Surface	A	
					DEMAND:		35 A		FEED-THRU:		TYPE 1	AIC RATING:	35KA
									ISOLATED GND:			UL SERVICE	
NOTES:													
1. *- INDICATES BRANCH CIRCUIT SERVES EMERGENCY LIGHTS.													

PANEL 1H4

277/480V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	E-F-5	15	1	1.1	--	--	1	--	SPACE	2
3	E-F-8	15	1	--	0.5	--	--	1	SPACE	4
5	HST FL AREA C LTS*	20	1	--	--	3.4	--	1	SPACE	6
7	CLERK'S COURTROOM 114 LTS*	20	1	1.4	--	--	--	1	SPACE	8
9	SPACE	--	1	--	--	--	--	1	SPACE	10
11	SPACE	--	1	--	--	--	--	1	SPACE	12
13	SPACE	--	1	--	--	--	--	1	SPACE	14
15	SPACE	--	1	--	--	--	--	1	SPACE	16
17	SPACE	--	1	--	--	--	--	1	SPACE	18
19	SPACE	--	1	--	--	--	--	1	SPACE	20
21	SPACE	--	1	--	--	--	--	1	SPACE	22
23	SPACE	--	1	--	--	--	--	1	SPACE	24
25	SPACE	--	1	--	--	--	--	1	SPACE	26
27	SPACE	--	1	--	--	--	--	1	SPACE	28
29	SPACE	--	1	--	--	--	--	1	SPACE	30
31	SPACE	--	1	--	--	--	--	1	SPACE	32
33	SPACE	--	1	--	--	--	--	1	SPACE	34
35	SPACE	--	1	--	--	--	--	1	SPACE	36
37	SPARE	20	1	0.0	0.0	--	--	1	20 SPARE	38
39	SPARE	20	1	--	--	0.0	0.0	1	20 SPARE	40
41	SPARE	20	1	--	--	--	--	1	20 SPARE	42

TOTAL LOAD:

10 A

2.4 kVA

0.5 kVA

3.4 kVA

TOTAL AMP:

2 A

13 A

LOAD CLASSIFICATION				CONNECTED LOAD	DEMAND FACTOR	DEMAND	TOTAL LOAD		PANEL INFORMATION						
MOTOR/COOLING		1620 VA		117.26%	1900 VA		CONNECTED LOAD:	6 kVA	LOCATION: IDF U-106	SUPPLY FROM: HD P1	MAIN TYPE: MOUNTING SURFACE ENCLOSURE TYPE 1	BUS SIZE: 250 A	NLO	AIC RATING: 10KA	UL SERVICE
LIGHTING		4745 VA		126.09%	5931 VA										
							DEMAND LOAD:	8 kVA	FEED-THRU: ISOLATED GND:						
							DEMAND:	9 A							

NOTES:
1. * - INDICATES BRANCH CIRCUIT SERVES EMERGENCY LTS.

[illegible]

PANEL 1S1

777/480V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION		TRIP	POLE	A		B		C		POLE	TRIP	CIRCUIT DESCRIPTION		CKT						
1	VAV-1.2E		20	3	2.0	2.0	2.0	3.5	2.0	4.0	1	20	VAV-1.2A		2						
3					3.2	2.5					1	20	VAV-1.2B		4						
5											1	20	VAV-1.2C		6						
7	VAV-1.2I		20	3.2			1.5	3.2		2.5	1	20	VAV-1.2D		8						
9											1	20	VAV-1.2F		10						
11											1	20	VAV-1.2G		12						
13	VAV-1.2J		20	3	1.8	1.5	1.8	3.0	1.8	3.5	1	20	VAV-1.2H		14						
15					1	20					VAV-1.2I		16								
17					1	20					VAV-1.2J		18								
19	VAV-1.2K		20	3	2.0	2.0	2.0	2.0	2.0	2.0	3	20	EDH-1		20						
21						22															
23						24															
25	VAV-1.2N		20	3	2.0	2.8	2.0	2.8	2.0	2.8	3	20	VAV-1.2P		26						
27						28															
29						30															
31	VAV-1.2M		20	3	2.2	2.0	2.2	2.0	2.2	2.0	3	20	VAV-1.2R		32						
33						34															
35						36															
37	VAV-1.2O		20	3	2.7	2.3	2.7	2.3	2.7	2.3	3	20	VAV-1.2S		38						
39						40															
41						42															
TOTAL LOAD:					31.0 kVA		33.0 kVA		35.0 kVA												
TOTAL AMPS:					112 A		119 A		127 A												

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND	TOTAL LOAD	PANEL INFORMATION			
MOTOR/COOLING	99023 VA	102.40%	101399 VA	CONNECTED LOAD: 99 kVA	LOCATION:	IDF U-106	BUS SIZE:	250 A
				DEMAND LOAD: 101 kVA	SUPPLY FROM:	H0P1	MAIN TYPE:	HLO
					MOUNTING:	Surface	AIC RATING:	18kA
					ENCLOSURE	TYPE 1	UL SERVICE	
				DEMAND: 122 A	FEED-THRU:			
					ISOLATED GND:			
NOTES:								

[illegible]

3221 BLUE RIDGE ROAD
SUITE 110, NC 27812
RALEIGH, NC 27612
P: 919.771.1111

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ATLANTIC
ENGINEERS, PA
INCORPORATED

3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

24049

109 Candlewood Road, Rocky Mount, NC 27884 (P: 252.937.2520)
305 W. Main Street, Raleigh, NC 27601

BID SET

FRANKLIN JUDICIAL CENTER

FRANKLIN COUNTY

W. NASH ST.

LOUISBURG, NC 27549

GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
1	AS PERCUM #1	09/12/25

Date: **09/02/25**

Drawn by: **MCB**

Checked by: **MCB**

Project No.: **21054**

Sheet No.: **E2.04**

Sheet Title

PANEL SCHEDULES

PANEL 1L3

120/208V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	P-2 ELEVATOR 3 - NOTE 1	20	1	1.2	--			1	-- SPACE	2
3	P-2 ELEVATOR 4 - NOTE 1	20	1		1.2	--		1	-- SPACE	4
5	ELEVATOR 3 & 4 SUMP ALARM PANEL	20	1			0.4	--	1	-- SPACE	6
7	V-100 DOOR ACTUATORS	20	1	1.0	--			1	-- SPACE	8
9	V-101 DOOR ACTUATORS	20	1		1.0	--		1	-- SPACE	10
11	SPACE	--	1	--	--	--	--	1	-- SPACE	12
13	SPACE	--	1	--	--	--	--	1	-- SPACE	14
15	SPACE	--	1	--	--	--	--	1	-- SPACE	16
17	SPACE	--	1	--	--	--	--	1	-- SPACE	18
19	SPACE	--	1	--	--	--	--	1	-- SPACE	20
21	SPACE	--	1	--	--	--	--	1	-- SPACE	22
23	SPACE	--	1	--	--	--	--	1	-- SPACE	24
25	SPACE	--	1	--	--	--	--	1	-- SPACE	26
27	SPACE	--	1	--	--	--	--	1	-- SPACE	28
29	SPACE	--	1	--	--	--	--	1	-- SPACE	30
31	SPACE	--	1	--	--	--	--	1	-- SPACE	32
33	SPACE	--	1	--	--	--	--	1	-- SPACE	34
35	SPACE	--	1	--	--	--	--	1	-- SPACE	36
37	SPACE	20	1	0.0	0.0			1	20 SPARE	38
39	SPACE	20	1		0.0	0.0		1	20 SPARE	40
41	SPACE	20	1			0.0	0.0	1	20 SPARE	42
TOTAL LOAD:				2.1 kVA	2.1 kVA	0.4 kVA				
TOTAL AMPS:				20 A	20 A	3 A				

NOTES:
1. E.C. TO PROVIDE GFCI BREAKER

PANEL 1L4

120/208V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	REC EWC - NOTE 1	20	1	0.5	0.4			1	20 REC 104W, 127	2
3	REC EWC - NOTE 1	20	1		0.5	0.7		1	20 REC 103	4
5	VENDING MACHINE - NOTE 1	20	1			1.0	0.9	1	20 REC 103	6
7	VENDING MACHINE - NOTE 1	20	1	1.0	0.7			1	20 REC 103A, 103E	8
9	P-2 ELEVATOR 1 - NOTE 1	20	1		1.2	0.5		1	20 REC 103A	10
11	P-2 ELEVATOR 2 - NOTE 1	20	1			1.2	0.4	1	20 REC 101	12
13	REC 101	20	1	0.4	0.7			1	20 REC 100	14
15	REC 100	20	1		0.7	1.1		1	20 REC 100	16
17	REC 400	20	1			1.3	1.4	1	20 REC 110C, 110D	18
19	REC 110A	20	1	0.7	0.5			1	20 REC 106, 110	20
21	REC L-100	20	1		1.1	0.2		1	20 REC 117	22
23	REC 106A	20	1			1.1	0.4	1	20 REC 106A	24
25	REC E-103	20	1	0.2	1.8			1	20 REC 107, 109, 111	26
27	BAS	20	1		0.5	0.7		1	20 REC 112A	28
29	REC 112, C-112, 112B	20	1			0.5	0.1	1	20 REC E-101	30
31	REC 115	20	1	0.1	0.1			1	20 REC E-102	32
33	REC 103A	20	1		0.7	0.1		1	20 REC 105	34
35	REC 103A	20	1			0.4	0.4	1	20 SUMP PUMP ALARM PANEL	36
37	SPACE	20	1	0.0	0.0			1	20 SPARE	38
39	SPACE	20	1		0.0	0.0		1	20 SPARE	40
41	SPACE	20	1			0.0	0.0	1	20 SPARE	42
TOTAL LOAD:				7.1 kVA	8.0 kVA	9.0 kVA				
TOTAL AMPS:				59 A	68 A	76 A				

NOTES:
1. E.C. TO PROVIDE GFCI BREAKER

PANEL 1L5

120/208V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	REC L-115	20	1	0.7	--			1	-- SPACE	2
3	SPACE	--	1	--	--	--	--	1	-- SPACE	4
5	SPACE	--	1	--	--	--	--	1	-- SPACE	6
7	SPACE	--	1	--	--	--	--	1	-- SPACE	8
9	SPACE	--	1	--	--	--	--	1	-- SPACE	10
11	SPACE	--	1	--	--	--	--	1	-- SPACE	12
13	SPACE	--	1	--	--	--	--	1	-- SPACE	14
15	SPACE	--	1	--	--	--	--	1	-- SPACE	16
17	SPACE	--	1	--	--	--	--	1	-- SPACE	18
19	SPACE	--	1	--	--	--	--	1	-- SPACE	20
21	SPACE	--	1	--	--	--	--	1	-- SPACE	22
23	SPACE	--	1	--	--	--	--	1	-- SPACE	24
25	SPACE	--	1	--	--	--	--	1	-- SPACE	26
27	SPACE	--	1	--	--	--	--	1	-- SPACE	28
29	SPACE	--	1	--	--	--	--	1	-- SPACE	30
31	SPACE	--	1	--	--	--	--	1	-- SPACE	32
33	SPACE	--	1	--	--	--	--	1	-- SPACE	34
35	SPACE	--	1	--	--	--	--	1	-- SPACE	36
37	SPACE	20	1	0.0	0.0			1	20 SPARE	38
39	SPACE	20	1		0.0	0.0		1	20 SPARE	40
41	SPACE	20	1			0.0	0.0	1	20 SPARE	42
TOTAL LOAD:				0.7 kVA	0.0 kVA	0.0 kVA				
TOTAL AMPS:				6 A	0 A	0 A				

NOTES:
1. E.C. TO PROVIDE GFCI BREAKER

PANEL 1L6

120/208V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	VENDING MACHINE - NOTE 1	20	1	1.0	2.4			1	30 WH-4 - NOTE 2	2
3	VENDING MACHINE - NOTE 1	20	1		1.0	2.4		1	30 WH-4 - NOTE 2	4
5	VENDING MACHINE - NOTE 1	20	1			1.0	0.7	1	20 REC 114C	6
7	VENDING MACHINE - NOTE 1	20	1	1.0	0.7			1	20 REC 114B, 114C	8
9	VENDING MACHINE - NOTE 1	20	1		1.0	0.2		1	20 REC 118U	10
11	REC EWC - NOTE 1	20	1			0.5	0.2	1	20 REC 119	12
13	REC 119	20	1	0.2	0.2			1	20 REC 119	14
15	REC 116	20	1		0.5	0.7		1	20 REC 114C	16
17	REC 116	20	1			0.2	1.3	1	20 REC C-117	18
19	REC 114C	20	1	0.7	1.4			1	20 REC 112C, 112D	20
21	REC 114A	20	1		1.3	1.4		1	20 REC 113B, 113C	22
23	REC 113, 113D	20	1			1.1	0.2	1	20 REC 119	24
25	PRINTER 113E	20	1	1.0	0.2			1	20 REC 113E	26
27	REC 113F, 113H	20	1		1.4	1.3		1	20 REC 113G	28
29	BAS	20	1			0.5	0.4	1	20 REC 119	30
31	REC 114C, 116B	20	1	1.1	0.5			1	20 REC 116	32
33	CUBICLES 113A	20	2		1.6	0.4		1	20 ROOFTOP REC	34
35	SPACE	20	1			1.6	0.4	1	20 REC 110A	36
37	SPACE	20	1	0.0	0.0			1	20 SPARE	38
39	SPACE	20	1		0.0	0.0		1	20 SPARE	40
41	SPACE	20	1			0.0	0.0	1	20 SPARE	42
TOTAL LOAD:				10.4 kVA	13.2 kVA	7.9 kVA				
TOTAL AMPS:				90 A	113 A	66 A				

NOTES:
1. E.C. TO PROVIDE GFCI BREAKER
2. E.C. TO PROVIDE LOCK-OFF PROVISION

PANEL 1L7

120/208V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	DOAS-1	15	2	0.5	0.5			1	20 REC EWC - NOTE 1	2
3	HP DOAS	25	2		0.5	--		1	-- SPACE	4
5	REC 117H, 117J	20	1	1.5	0.2			1	20 REC 117L, 117M	6
7	REC 117F	20	1		1.4	1.4		1	20 REC 117K	8
9	REC 117F	20	1			1.6	1.4	1	20 REC 117E, 117G	10
11	REC 121, 123	20	1	1.4	0.2			1	20 REC 117C, 117D	12
13	PRINTER 117P	20	1		1.0	1.4		1	20 REC 117P	14
15	REC 118I, 118J	20	1			1.4	1.4	1	20 REC 118J, 118K	16
17	REC 118C, 118D	20	1	1.4	1.4			1	20 REC 116B, 118M	18
19	REC 118A, 118F	20	1		1.4	0.2		1	20 REC 118B, 118E	20
21	PRINTER 118R	20	1			1.0	0.2	1	20 REC 118R	22
23	REC 118S	20	1	1.4	1.3			1	20 REC 117M	24
25	REC 118N	20	1		0.5	0.9		1	20 REC 118N	26
27	REC 118N	20	1			0.7	0.2	1	20 REC 118	28
29	REC 118	20	1					1	20 REC C-117	30
31	REC 117A	20	1	0.2	1.0			1	20 PRINTER 117A	32
33	REC 116C, 116D	20	1		1.4	0.7		1	20 REC L-115	34
35	REC L-115	20	1			0.7	0.5	1	20 REC 116	36
37	SPACE	20	1	0.0	0.0			1	20 SPARE	38
39	SPACE	20	1		0.0	0.0		1	20 SPARE	40
41	SPACE	20	1			0.0	0.0	1	20 SPARE	42
TOTAL LOAD:				11.0 kVA	11.0 kVA	12.2 kVA				
TOTAL AMPS:				92 A	92 A	101 A				

NOTES:
1. E.C. TO PROVIDE GFCI BREAKER

PANEL 2H1

277/480V, 3Ø, 4W

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A		B		C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1		20	3	2.5	1.3					3	20	WH-2.1	2
3	VAV-20	20	1			2.5	1.3						4
5	2ND FL AREA A LITS*	20	1	1.7	4.1			2.5	1.3				6
7	2ND FL AREA B LITS*	20	1			0.8	4.1			3	20	WH-2.2	8
9	DISTRICT COURT 1 206 LITS*	20	1	3.0	--	--	--	1.6	4.1				10
11	DISTRICT COURT 2 210 LITS*	20	1	--	--	--	--			1	--	SPACE	12
13	SPACE	--	1	--	--	--	--			1	--	SPACE	14
15	SPACE	--	1	--	--	--	--			1	--	SPACE	16
17	SPACE	--	1	--	--	--	--			1	--	SPACE	18
19	SPACE	--	1	--	--	--	--			1	--	SPACE	20
21	SPACE	--	1	--	--	--	--			1	--	SPACE	22
23	SPACE	--	1	--	--	--	--			1	--	SPACE	24
25	SPACE	--	1	--	--	--	--			1	--	SPACE	26
27	SPACE	--	1	--	--	--	--			1	--	SPACE	28
29	SPACE	--	1	--	--	--	--			1	--	SPACE	30
31	SPACE	--	1	--	--	--	--			1	--	SPACE	32
33	SPACE	--	1	--	--	--	--			1	--	SPACE	34
35	SPACE	--	1	--	--	--	--			1	--	SPACE	36
37	SPACE	20	1	0.0	0.0			0.0	0.0	1	20	SPARE	38
39	SPACE	20	1			0.0	0.0			1	20	SPARE	40
41	SPACE	20	1					0.0	0.0	1	20	SPARE	42
TOTAL LOAD:				12.3 kVA		8.7 kVA		9.4 kVA					
TOTAL AMP:				45 A		31 A		34 A					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	DEMAND		TOTAL LOAD			PANEL INFORMATION				
MOTOR/COOLING		7489 VA	125.00%	8374 VA		CONNECTED:			30 kVA	LOCATION:	IDF U-203	BUS SIZE:	250 A
LIGHTING		7890 VA	125.00%	8938 VA		DEMAND:			34 kVA	SUPPLY FROM:	MAIN TYPE: MLO	AC RATING:	18kA
WATER HEATER		16033 VA	100.00%			DEMAND:			41 A	ENCLOSURE	TYPE I	UL SERVICE	
						DEMAND:			41 A	FEED THRU:			
						DEMAND:			41 A	ISOLATED GND:			

SYMBOL	DESCRIPTION	REMARKS
	SMOKE DETECTOR, PHOTOELECTRIC ADDRESSABLE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	SMOKE DETECTOR, PHOTOELECTRIC CONVENTIONAL.	NOTIFIER, EST, SIEMENS, SIMPLEX
	SMOKE DETECTOR, PHOTOELECTRIC CONVENTIONAL, PROVIDE WITH WIRE GUARD.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM PULL STATION, MOUNT 42" A.F.F. ADDRESSABLE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH SAMPLING TUBE AND REMOTE TEST SWITCH, ADDRESSABLE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM STROBE/SPEAKER, MOUNT 80" A.F.F. 'XX' INDICATES CANDELA RATING. DEVICE LABELED WITH 'ALERT'.	NOTIFIER, EST, SIEMENS, SIMPLEX
	WEATHERPROOF FIRE ALARM STROBE/SPEAKER, MOUNT 80" A.F.F. 'XX' INDICATES CANDELA RATING. DEVICE LABELED WITH 'ALERT'.	NOTIFIER, EST, SIEMENS, SIMPLEX
	WEATHERPROOF FIRE ALARM STROBE/SPEAKER, MOUNT 80" A.F.F. 'XX' INDICATES CANDELA RATING. PROVIDE WITH WIREGUARD INSTALLED WITH TAMPERPROOF SCREWS.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM CEILING STROBE/SPEAKER, DEVICE LABELED WITH 'ALERT'. 'XX' INDICATES CANDELA RATING.	NOTIFIER, EST, SIEMENS, SIMPLEX
	WEATHERPROOF FIRE ALARM CEILING STROBE/SPEAKER, DEVICE LABELED WITH 'ALERT'. 'XX' INDICATES CANDELA RATING.	NOTIFIER, EST, SIEMENS, SIMPLEX
	WEATHERPROOF FIRE ALARM CEILING STROBE/SPEAKER, DEVICE LABELED WITH 'ALERT'. 'XX' INDICATES CANDELA RATING. PROVIDE WITH WIREGUARD INSTALLED WITH TAMPERPROOF SCREWS.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM CEILING STROBE/SPEAKER, DEVICE LABELED WITH 'ALERT'. 'XX' INDICATES CANDELA RATING. PROVIDE WITH WIREGUARD INSTALLED WITH TAMPERPROOF SCREWS.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM SPEAKER ONLY, CEILING MOUNT. DEVICE LABELED WITH 'ALERT'.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM SPEAKER ONLY, HIGH OUTPUT UP TO 8 WATTS. CEILING MOUNT. DEVICE LABELED WITH 'ALERT'.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM SPEAKER ONLY, WALL MOUNT, MOUNT 80" A.F.F. DEVICE LABELED WITH 'ALERT'.	NOTIFIER, EST, SIEMENS, SIMPLEX
	MONITOR MODULE ADDRESSABLE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	RELAY MODULE ADDRESSABLE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	'AHU SHUTDOWN DEFEAT' KEY SWITCH, CONVENTIONAL, MOUNT 42" A.F.F.	NOTIFIER, EST, SIEMENS, SIMPLEX

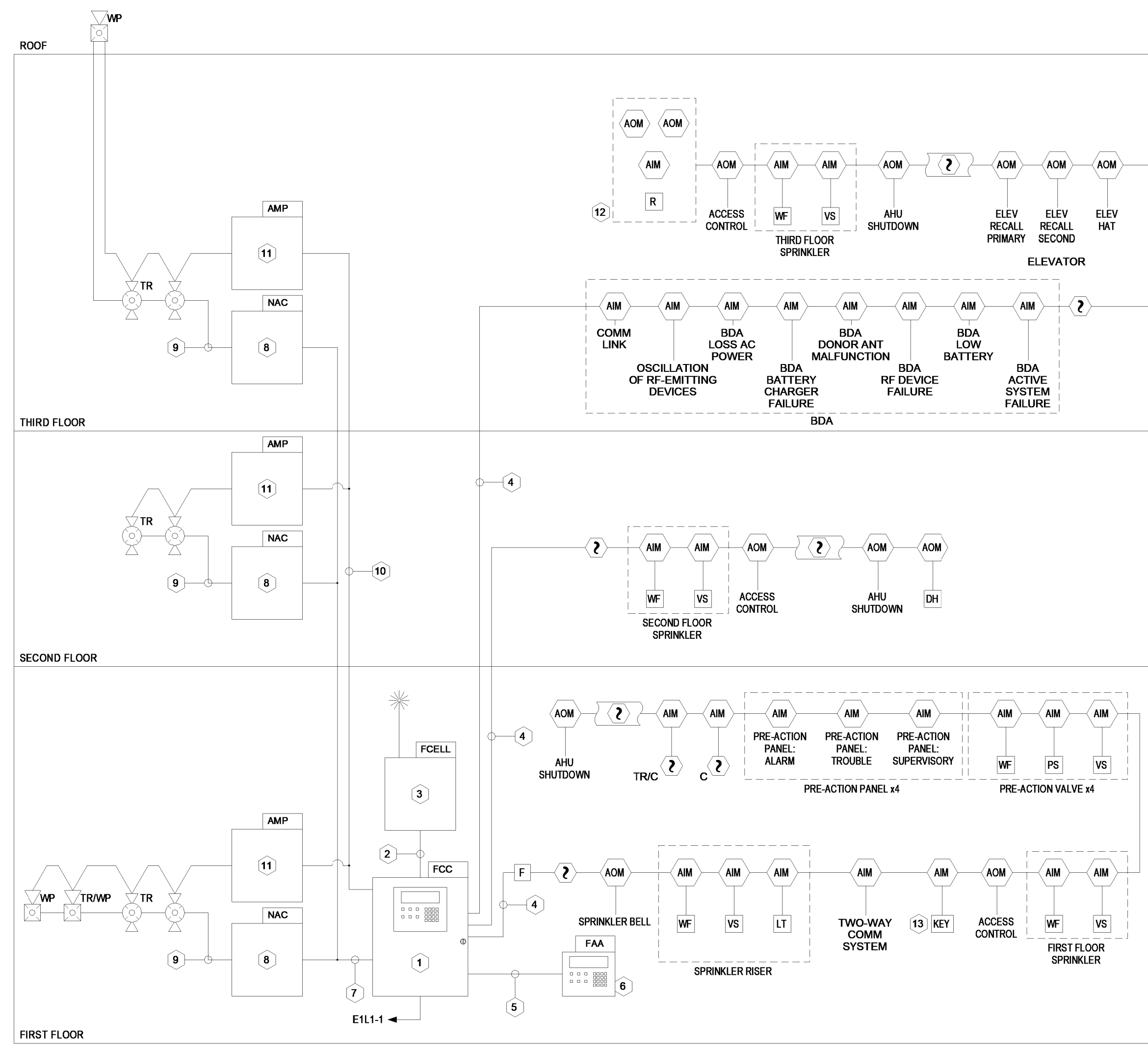
SYMBOL	DESCRIPTION	REMARKS
	FIRE ALARM COMMAND CENTER WITH INTEGRAL LOCAL OPERATING CONSOLE, ADDRESSABLE WITH DACT, SURFACE MOUNTED. ALSO REFERRED TO AS FACP.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM NOTIFICATION APPLIANCE CABINET SURFACE MOUNTED.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM VOICE EVACUATION NOTIFICATION AMPLIFIER CABINET SURFACE MOUNTED.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM REMOTE ANNUNCIATOR, FLUSH MOUNTED, ADDRESSABLE, MOUNT 42" A.F.F.	NOTIFIER, EST, SIEMENS, SIMPLEX
	FIRE ALARM CELLULAR COMMUNICATOR WITH BATTERY BACKUP 2 PATH COMMUNICATIONS: CELLULAR AND IP (INTERNET) SURFACE MOUNTED.	HONEYWELL: HWF2-2" COM OR EQUAL
	BI-DIRECTIONAL AMPLIFIER SYSTEM, SURFACE MOUNTED. SEE 3FA0.00 FOR DETAILS.	HONEYWELL OR EQUAL
	FIRE SPRINKLER WATER FLOW SWITCH.	BY SPRINKLER CONTRACTOR.
	FIRE SPRINKLER VALVE SUPERVISORY SWITCH (TAMPER SWITCH).	BY SPRINKLER CONTRACTOR.
	LOW TEMP SENSOR.	POTTER OR EQUAL
	PRESSURE SENSOR.	BY SPRINKLER CONTRACTOR.
	RELAY FOR POWER MONITORING.	EATON OR EQUAL
	MAGNETIC DOOR HOLDER TO MATCH DOOR HARDWARE.	NOTIFIER, EST, SIEMENS, SIMPLEX
	A.F.F. ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX.	
	A.F.C. ABOVE FINISHED CEILING	
	B.F.G. BELOW FINISHED GRADE	

ADDENDUM 1 CHANGES:

- FIRE ALARM RISER AND LEGEND UPDATED TO REMOVE ISOLATION MODULES. SEPARATE SLC LOOPS SHALL BE PROVIDED INSTEAD.
- FIRE ALARM RISER UPDATED TO ADD RELAY MODULE FOR FIRE SPRINKLER ELECTRIC BELL.
- FIRE ALARM RISER, MATRIX, AND LEGEND UPDATED TO INCLUDE DOOR HOLD OPENS AND ASSOCIATED RELAY MODULE.
- CIRCUIT NUMBER ADDED TO FIRE ALARM RISER.
- DELETED COORDINATION DRAWING NOTE AND ADDED FIRE ALARM NOTE #19.

NOTES:

- SUBMIT CATALOG TO ARCHITECT FOR APPROVAL OF COLORS, MATERIALS, AND FINISHES FOR ALL DEVICES, COVER PLATES, AND ENCLOSURES PRIOR TO PURCHASE.



KEY NOTES

- ADDRESSABLE FIRE COMMAND CENTER WITH INTEGRAL LOCAL OPERATING CONSOLE, VOICE EVACUATION ENABLED WITH EMERGENCY COMMUNICATION SYSTEM COMPONENTS. PROVIDE WITH A MINIMUM OF 12 ZONES OF PAGING.
- COMMUNICATION CABLE IN CONDUIT.
- CELLULAR DIGITAL ALARM COMMUNICATOR. SEE FIRE ALARM NOTES AND LEGEND FOR REQUIREMENTS.
- SIGNALING LINE CIRCUIT.
- REMOTE ANNUNCIATOR CIRCUIT.
- REMOTE FIRE ALARM ANNUNCIATOR.
- SYNC CIRCUIT.
- NOTIFICATION APPLIANCE CIRCUIT. PROVIDE ADDITIONAL NAC PANELS AS REQUIRED.
- NOTIFICATION APPLIANCE CIRCUITS AS REQUIRED.
- FIBER CABLE AS REQUIRED FOR VOICE MESSAGES.
- AMPLIFIER CABINET. PROVIDE ADDITIONAL AMPLIFIERS AS REQUIRED.
- PROVIDE SHUNT TRIP CIRCUITRY AND MONITOR FOR POWER INTEGRITY AS REQUIRED TO SHUNT TRIP ELEVATOR MAIN DISCONNECT CIRCUITS.
 - SHUNT TRIP ELEVATOR MAIN DISCONNECT CIRKTS # 3H1-2,4,6 & 3H1-10,12,14
 - SHUNT TRIP ELEVATOR MAIN DISCONNECT CIRKTS # 3H1-18,20,22 & 3H1-26,28,30
 - CONNECT SHUNT TRIP POWER TO CKT # 1, ECL-7
- PROVIDE KEY OPERATED SWITCH FOR 'AHU SHUTDOWN DEFEAT':
 - LABEL 'AHU SHUTDOWN'
 - LABEL ON POSITION 'NORMAL'
 - LABEL OFF POSITION 'DEFEAT'

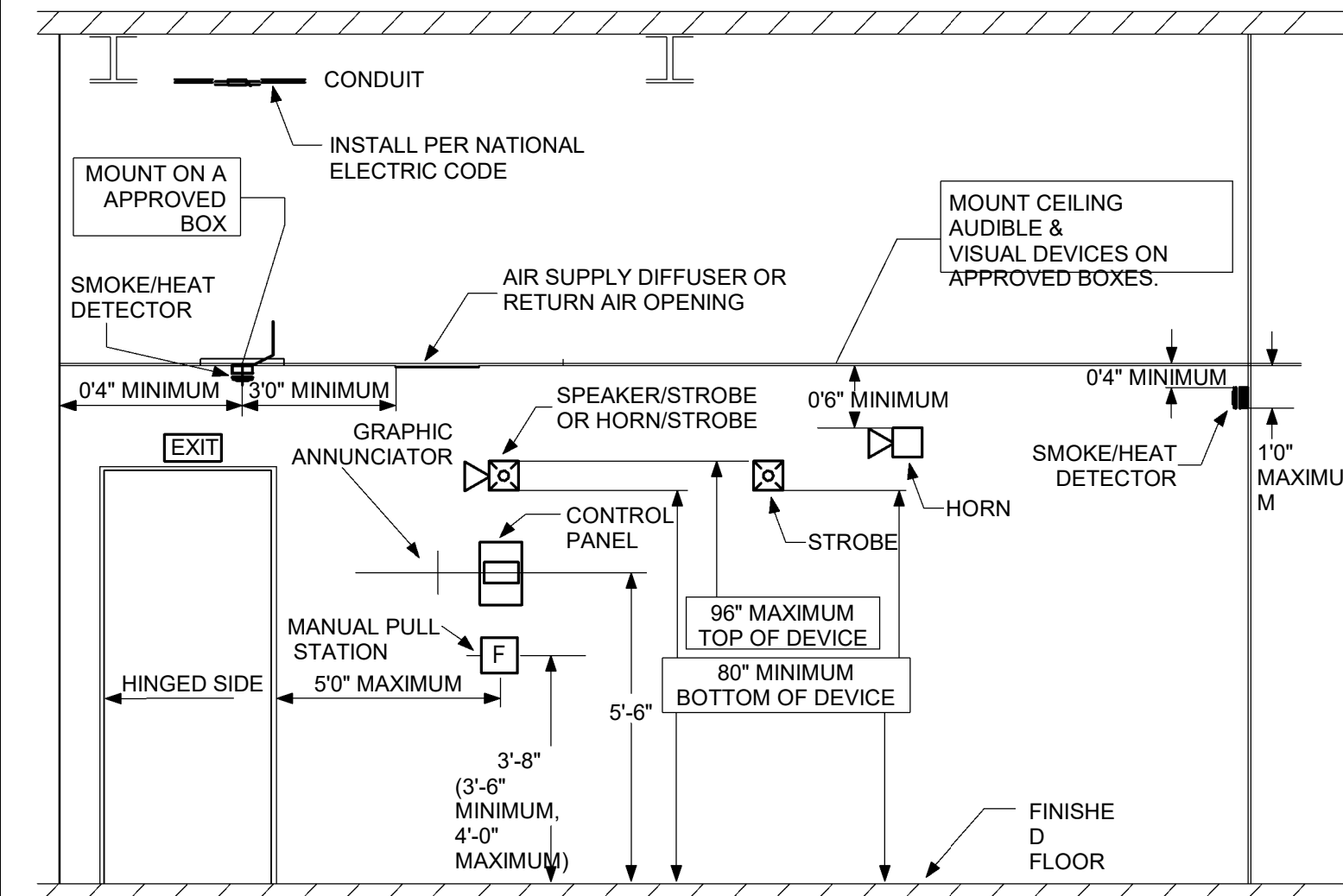
PAGING ZONES:

- | | |
|----------|-----------------------------|
| ZONE 1: | FIRST FLOOR FRONT OF HOUSE |
| ZONE 2: | FIRST FLOOR BACK OF HOUSE |
| ZONE 3: | SECOND FLOOR FRONT OF HOUSE |
| ZONE 4: | SECOND FLOOR BACK OF HOUSE |
| ZONE 5: | THIRD FLOOR FRONT OF HOUSE |
| ZONE 6: | THIRD FLOOR BACK OF HOUSE |
| ZONE 7: | INTERIOR EXIT STAIRWAYS |
| ZONE 8: | ELEVATOR GROUP 1 |
| ZONE 9: | ELEVATOR GROUP 2 |
| ZONE 10: | ELEVATOR GROUP 3 |
| ZONE 11: | EXTERIOR |
| ZONE 12: | SPARE |

FIRE ALARM NOTES

- SEE PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT.
- CONTRACTOR SHALL PROVIDE COMPLETE DOCUMENT PER 2018 FIRE CODE SECTION 907.1.1 AND 907.1.2 TO ENGINEER FOR APPROVAL PRIOR TO SUBMIT TO AND TESTING BY LOCAL FIRE MARSHAL'S OFFICE.
- PLACARD THE ENTIRE FIRE ALARM SYSTEM. PROVIDE PANEL AND CIRCUIT NUMBERS ON A NAME PLATE AFFIXED TO THE FACE OF THE FIRE ALARM CONTROL PANEL.
- CONTRACTOR SHALL PROVIDE ZONE MAPS COMPLETE WITH ADDRESSES FOR EACH FIRE ALARM DEVICE IN WOODEN FRAME ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL.
- ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM TO ENGINEER FOR APPROVAL.
- ALL WIRING SHALL BE SUPERVISED.
- ALL WIRING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- ALL WIRING SHALL BE IN CONDUIT.
- ADDRESSABLE SLC CIRCUIT REQUIREMENTS:
 - WIRING SHALL BE CLASS A
 - MINIMUM CAPACITY OF ANALOG SENSORS PER LOOP SHALL BE 48
 - MINIMUM CAPACITY OF ADDRESSABLE MONITORING DEVICES PER LOOP SHALL BE 48
 - MINIMUM CAPACITY OF ADDRESSABLE CONTROL RELAY MODULES PER LOOP SHALL BE 48
- NOTIFICATION CIRCUIT REQUIREMENTS:
 - WIRING SHALL BE CLASS B
 - PROVIDE WITH SYNC MODULE AS REQUIRED PER NFPA 72
 - FURNISH NOTIFICATION CIRCUITS AS REQUIRED TO ACCOMMODATE CIRCUIT LOADING. NO NOTIFICATION CIRCUIT SHALL BE LOADED TO MORE THAN 80% CAPACITY
- NOTIFICATION APPLIANCE RATINGS:
 - PROVIDE SOUND (8B) AND CANDELA (C0) RATINGS FOR ALL SPEAKER/STROBE DEVICES PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, 18.5.5.3.7 AND 18.5.3.6
 - A DECIBEL LEVEL OF 15 (8) ABOVE AMBIENT ON NFPA 72, TABLE A.18.4.3 SHALL BE MAINTAINED IN ALL GENERAL AREAS AND 100 (8) (15) (8) ABOVE AMBIENT OF 85 (8) IN NFPA 72, 18.4.3.1) SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS PER NFPA 72 AND THE 2018 NORTH CAROLINA STATE BUILDING CODE, 907.1.1.1
 - C. PER NFPA 18.4.1.5, WHERE THE FIRE ALARM SYSTEM IS VOICE EVACUATION ENABLED, VOICE MESSAGES SHALL NOT BE REQUIRED TO MEET THE AUDIBILITY REQUIREMENTS OF 18.4.3 BUT SHALL MEET THE INTELLIGIBILITY REQUIREMENTS OF 18.4.16 WHERE VOICE INTELLIGIBILITY IS REQUIRED.
 - D. FACP SHALL BROADCAST EMERGENCY COMMUNICATION VOICE MESSAGES THROUGH VOICE EVACUATION SPEAKERS.
- DIGITAL ALARM COMMUNICATOR:
 - FIRE ALARM SYSTEM SHALL BE PROVIDED WITH A DIGITAL ALARM COMMUNICATOR (DACT).
 - WHERE SINGLE COMMUNICATION PATH WITH CELLULAR NETWORK IS ACCEPTABLE BY THE LOCAL FIRE MARSHAL, PROVIDE WITH A CELLULAR COMMUNICATOR IN LIEU OF A LINE TELEPHONE IN COMPLIANCE WITH NFPA 72 28.6.3.1.5.
 - WHERE DUAL COMMUNICATION PATHS ARE REQUIRED BY THE LOCAL FIRE MARSHAL, PROVIDE WITH COMMUNICATION AS DIRECTED.
 - FIELD COORDINATE TYPE TO MATCH MONITORING COMPANY REQUIREMENTS.
- FOR ALL AIR HANDLING UNITS REQUIRING DUCT DETECTORS PER MECHANICAL PLANS:
 - THE FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT MOUNTED SMOKE DETECTORS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR WITHIN THE DUCT.
 - A MASTER SHUTDOWN DEFEAT SWITCH SHALL BE PROVIDED AT THE FACP TO OVERRIDE ALL AIR HANDLING UNIT SHUTDOWNS AND INITIATE 'PURGE'.
 - SHUTDOWN SHALL BE ACHIEVED VIA FACP CONTROLLED RELAY (WITHIN FACP OR ADDRESSABLE RELAY), SHUTDOWN VIA THE DUCT SMOKE DETECTOR CONTROLLED RELAY IS NOT ACCEPTABLE.
 - FIRE ALARM CONTRACTOR SHALL PROVIDE WIRING AND TESTS AS REQUIRED FOR AIR HANDLING SHUTDOWN. FIELD COORDINATE AIR HANDLING UNIT SHUTDOWN WITH MECHANICAL CONTROL SYSTEM. FINAL CONNECTIONS OF WIRING FOR HVAC SYSTEM SHALL BE BY THE ELECTRICAL CONTRACTOR.
 - CONTRACTOR SHALL PROVIDE A SMOKE MACHINE TO TEST THE DUCT DETECTION PORTION OF THE FIRE ALARM SYSTEM. SMOKE BOMBS AND/OR MAGNETS FOR TESTING OF THE DUCT DETECTION SYSTEM IS PROHIBITED.
- SPRINKLER SYSTEM:
 - FIELD COORDINATE QUANTITY AND LOCATION OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER CONTRACTOR'S FINAL SHOP DRAWINGS.
 - PROVIDE MONITOR MODULES AS REQUIRED FOR SPRINKLER SYSTEM.
 - PROVIDE MONITOR MODULES AND WIRING AS REQUIRED FOR POST INDICATOR VALVE.
- ELEVATOR SYSTEM:
 - PROVIDE ELEVATOR CAPTURE SIGNALS PER N.C. DEPARTMENT OF LABOR REQUIREMENTS.
 - WHERE SPRINKLER HEADS ARE LOCATED IN THE ELEVATOR MACHINE SPACE OR ELEVATOR PIT, PROVIDE ELEVATOR SHUNT TRIP ACTIVATION PER N.C. DEPARTMENT OF LABOR REQUIREMENTS. PROVIDE RELAYS AND MODULES AS REQUIRED TO OPERATE SHUNT TRIP BREAKER.
 - NO OTHER DEVICES SHALL AFFECT ELEVATOR OPERATIONS.
- BI-DIRECTIONAL AMPLIFIER SYSTEM:
 - IF SYSTEM IS INSTALLED, PROVIDE MODULES AS REQUIRED PER NFPA 72 AND AS DIRECTED BY LOCAL FIRE MARSHAL'S OFFICE.
- SEE SPECIFICATIONS FOR ADDITIONAL DETAIL.
- DESIGN INTENT:
 - THE INTENT OF THIS DESIGN IS TO PROVIDE A VOICE EVACUATION ENABLED, ADDRESSABLE FIRE ALARM SYSTEM WITH INTEGRATED EMERGENCY COMMUNICATION COMPONENTS IN COMPLIANCE AND IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72 AND THE 2018 NC FIRE CODE.
 - PRIOR TO START OF CONSTRUCTION, THE FIRE ALARM SUBCONTRACTOR SHALL SCHEDULE A MEETING WITH THE EOR, ARCHITECT, OWNER, AND LOCAL FIRE MARSHAL TO COMPLETE A RISK ASSESSMENT TO DEVELOP AN EMERGENCY RESPONSE PLAN AS REQUIRED BY NFPA 72. IN ADDITION TO PRE-RECORDED MESSAGES, THE FIRE ALARM SYSTEM SHALL HAVE THE CAPABILITY OF BROADCASTING LIVE VOICE MESSAGES BY TRAINED PERSONNEL.
 - NOTIFICATION DEVICES AND ADDRESSABLE DEVICES SHALL BE PROVIDED AS REQUIRED TO MEET THE DESIGN INTENT.
 - THE EXISTING JUDICIAL ANNEX'S FIRE ALARM SYSTEM SHALL BE KEPT OPERATIONAL UNTIL THE JUDICIAL ANNEX RENOVATION PHASE OF THE PROJECT. IF THE FIRE ALARM SYSTEM CANNOT BE KEPT OPERATIONAL, THE FIRE ALARM CONTRACTOR SHALL PROVIDE A FIRE WATCH.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW OF THE CONSTRUCTION DOCUMENTS TO IDENTIFY AND RESOLVE ANY CONFLICTS WITH THE INSTALLATION OF ALL PIPE, DUCT, EQUIPMENT, CONDUIT, HANGARS, ETC. NECESSARY FOR COMPLETE AND OPERATIONAL PLUMBING, MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND FIRE ALARM SYSTEMS SHOWN ON THESE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. THE GC SHALL NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY CONFLICTS AND FACILITATE MEETINGS WITH SUBCONTRACTORS OR VENDORS AS REQUIRED TO RESOLVE ISSUES.

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



FIRE ALARM PRE-RECORDED MESSAGE SCHEDULE

MESSAGE TYPE	NAC AREA	PRECEDENCE TONE	MESSAGE
FIRE ALARM	ALL AREAS	THREE CHIMES	MAY I HAVE YOUR ATTENTION PLEASE? A FIRE EMERGENCY HAS BEEN REPORTED IN THE BUILDING. PROCEED CALMLY TO THE NEAREST EXIT AND LEAVE THE BUILDING IMMEDIATELY. DO NOT USE THE ELEVATORS. USE STAIRWELLS WHERE NECESSARY. OCCUPANTS THAT ARE UNABLE TO USE STAIRWAYS SHALL REPORT TO DESIGNATED AREAS OF RESCUE ASSISTANCE.
TEST	ALL AREAS	ONE CHIME	MAY I HAVE YOUR ATTENTION PLEASE? MAY I HAVE YOUR ATTENTION PLEASE? THIS IS A TEST OF THE BUILDING EMERGENCY ALARM SYSTEM. THIS IS ONLY A TEST.
ALL CLEAR	ALL AREAS	ONE CHIME	MAY I HAVE YOUR ATTENTION PLEASE? MAY I HAVE YOUR ATTENTION PLEASE? THE REPORTED EMERGENCY HAS BEEN INVESTIGATED AND NORMAL CONDITIONS HAVE BEEN RESTORED. YOU MAY RETURN TO ALL AREAS OF THE BUILDING.
LOCKDOWN	ALL AREAS	WAIL	MAY I HAVE YOUR ATTENTION PLEASE? MAY I HAVE YOUR ATTENTION PLEASE? THE BUILDING HAS BEEN PLACED IN LOCKDOWN. PLEASE FOLLOW LOCKDOWN PROCEDURES. SHELTER IN PLACE AND AWAIT FURTHER INSTRUCTION.

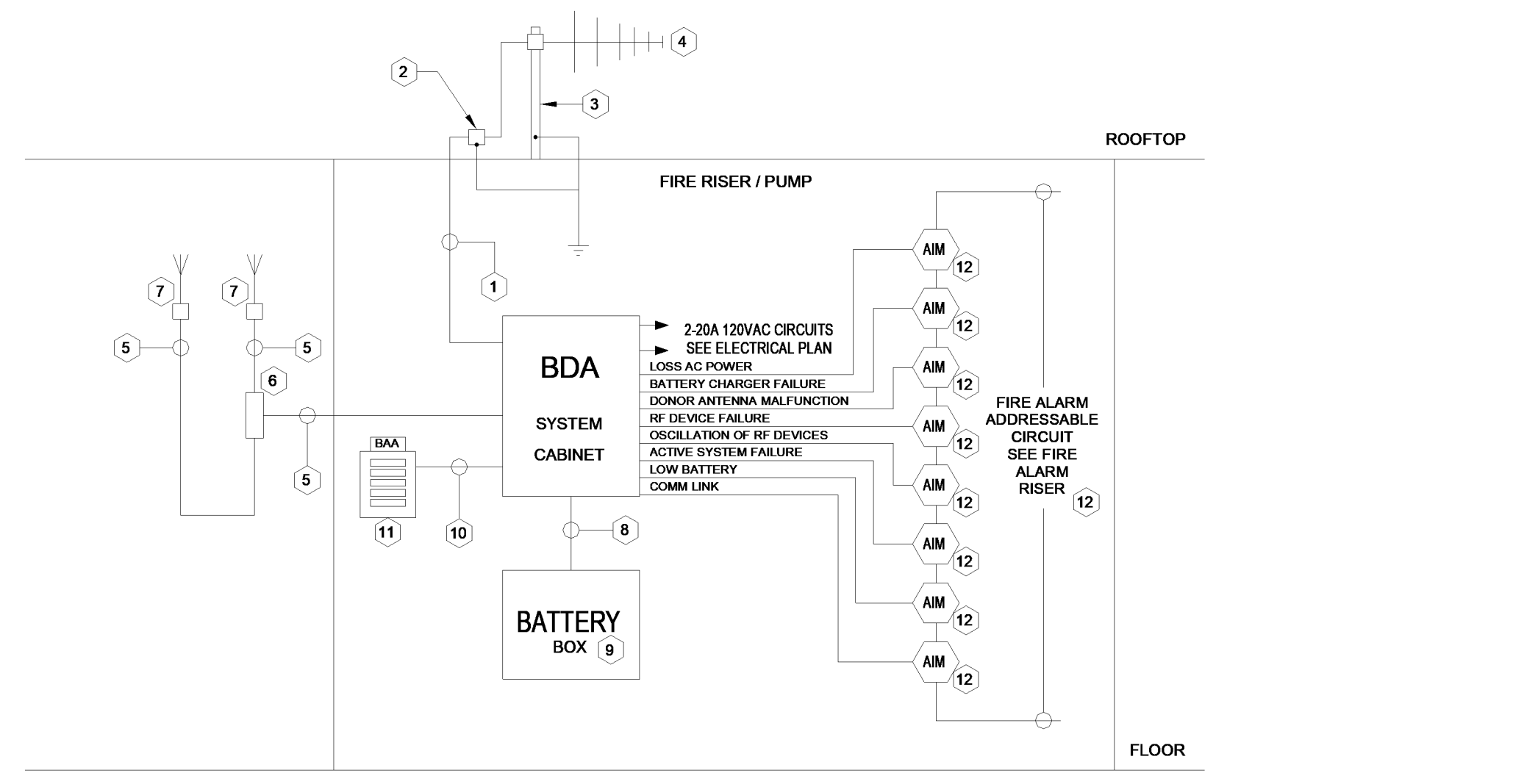
THE AHU AND BUILDING OWNER MAY REQUIRE ADDITIONAL PRE-RECORDED VOICE MESSAGES. THE FIRE ALARM SYSTEM SHALL ALSO HAVE THE CAPABILITY TO BROADCAST LIVE MESSAGES FROM THE LOCAL OPERATING CONSOLE AT THE FIRE ALARM CONTROL PANEL TO PAGING ZONES AS SELECTED BY TRAINED PERSONNEL. LIVE MESSAGES SHALL ONLY BE BROADCAST BY TRAINED PERSONNEL BASED ON THE OWNER'S EMERGENCY ACTION PLAN. LIVE VOICE MESSAGES SHALL BE PRECEDED BY A WAIL TONE.

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM INPUTS		SYSTEM OUTPUTS																									
		FACP ANNUNCIATION													NOTIFICATION												
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
1	FIRE ALARM SYSTEM AC POWER FAILURE																										1
2	FIRE ALARM SYSTEM LOW BATTERY																										2
3	OPEN CIRCUIT																										3
4	GROUND FAULT																										4
5	NOTIFICATION APPLIANCE CIRCUIT SHORT																										5
6	BUILDING MANUAL PULL STATIONS																										6
7	AREA SMOKE DETECTORS																										7
8	HVAC DUCT SMOKE DETECTORS																										8
	AHU SHUTDOWN DEFEAT SWITCH - ON (NORMAL)																										
9	HVAC DUCT SMOKE DETECTORS																										9
	AHU SHUTDOWN DEFEAT SWITCH - OFF (DEFEAT)																										
10	SPRINKLER TAMPER SWITCH																										10
11	SPRINKLER WATER FLOW IN BUILDING																										11
12	SPRINKLER WATER FLOW IN ELEV EQUIP RM OR SHAFT																										12
13	ELEV EQUIP RM AREA SMOKE DETECTOR																										13
14	ELEV SHAFT AND ELEV EQUIP RM AREA HEAT DETECTOR																										14
15	ELEV LOBBY SMOKE DETECTORS - UPPER FLOORS																										15
16	ELEV LOBBY SMOKE DETECTORS - RECALL FLOOR																										16
17	ELEV CONTROLLER POWER SHUNT TRIP STATUS																										17
18	BDA: OSCILLATION OF RF-EMITTING DEVICES																										18
19	BDA: COMMUNICATION LINK																										19
20	BDA: LOSS OF AC POWER																										20
21	BDA: BATTERY CHARGER FAILURE																										21
22	BDA: DONOR ANTENNA MALFUNCTION																										22
23	BDA: RF DEVICE FAILURE																										23
24	BDA: LOW BATTERY																										24
25	BDA: ACTIVE SYSTEM FAILURE																										25
26	PRE-ACTION PANEL: ALARM																										26
27	PRE-ACTION PANEL: SUPERVISORY																										27
28	PRE-ACTION PANEL: TROUBLE																										28
29	-																										29
30	-																										30
31	-																										31
32	-																										32
33	-																										33
34	-																										34
35	-																										35

FIRE ALARM MATRIX

NOT TO SCALE



KEY NOTES

- DONOR ANTENNAS CABLE IN 2" CONDUIT.
- PROVIDE LIGHTNING ARRESTOR, GROUNDED AS REQUIRED.
- DONOR ANTENNA MAST. TO BE BONDED TO BUILDING STEEL.
- DONOR ANTENNA.
- DISTRIBUTED ANTENNA SYSTEM (DAS) CABLE.
- PROVIDE SIGNAL SPLITTER AS REQUIRED.
- PROVIDE DAS ANTENNA(S) AS REQUIRED FOR COVERAGE. FIELD VERIFY LOCATION AND INSTALLATION OUTSIDE FIRE RISER ROOM WITH ARCHITECT PRIOR TO ROUGH-IN.
- BATTERY CABLE IN CONDUIT.
- BATTERY BOX: 24VDC
- REMOTE ANNUNCIATOR CIRCUIT IN CONDUIT.
- REMOTE ANNUNCIATOR. LOCATE ADJACENT TO FACP ANNUNCIATOR IN RECEPTION.
- FIRE ALARM DEVICE AND WIRING. SEE FIRE ALARM RISER DIAGRAM.

NOTES

- CONTRACTOR SHALL PROVIDE PRICES FOR THE BI-DIRECTIONAL ANTENNA SYSTEM (BDA) REQUIREMENT EVALUATION IN THE BASE BID AND THE SYSTEM INSTALLATION AS AN ALTERNATE PRICE.
 - A. SYSTEM REQUIREMENT EVALUATION:
 - PROVIDE RF SURVEY AND MAP THE EMERGENCY RESPONDER RADIO SIGNAL STRENGTH AT APPROXIMATELY 80% COMPLETION OF CONSTRUCTION. BUILDING ENVELOPE SHOULD BE COMPLETE AND INTERIOR WALLS FRAMED WITH DRYWALL. THE EXACT TIMING SHALL BE COORDINATED WITH THE GC, ARCHITECT, EOR, AND LOCAL FIRE MARSHAL.
 - A REGISTERED DESIGN PROFESSIONAL SHALL REVIEW THE RESULTS OF THE EMERGENCY RESPONDER RADIO SIGNAL STRENGTH (ER-RSS) SURVEY AND BUILDING CONSTRUCTION PLANS WITH THE LOCAL FIRE MARSHAL TO DETERMINE IF THE SYSTEM SHALL BE INSTALLED.
 - WHEN THE DESIGN PROFESSIONAL AND LOCAL FIRE MARSHAL DETERMINE THAT A BDA OR RCS SYSTEM WILL NOT BE REQUIRED, NOT INSTALL THE BDA SYSTEM PER PLAN.
 - WHEN THE DESIGN PROFESSIONAL AND LOCAL FIRE MARSHAL DETERMINE THAT A BDA OR RCS SYSTEM WILL NOT BE REQUIRED, SYSTEM INSTALLATION.
 - B. SYSTEM INSTALLATION:
 - FURNISH SHOP DRAWINGS INCLUDING THE RADIO WAVE PROPAGATION PLAN TO THE LOCAL FIRE MARSHAL OFFICE AND THE ENGINEER OF RECORD FOR APPROVAL.
 - PROVIDE INSTALLATION PLAN AND DETAILS.
 - PRIOR TO FINAL INSPECTION, AN ADDITIONAL ER-RSS SURVEY SHALL BE PERFORMED AND MAPPED. THIS SHALL BE SUBMITTED TO THE ENGINEER AND THE LOCAL FIRE MARSHAL OFFICE FOR VERIFICATION OF THE BDA SYSTEM INSTALLATION.
- SHOWN DIAGRAM IS A GUIDE LINE. IF THE INSTALLATION IS REQUIRED BASED UPON THE RESULTS OF THE RF SURVEY, THE CONTRACTOR SHALL PROVIDE INSTALLATION PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTION.
- INSTALLATION AND TESTING PROCEDURES SHALL COMPLY WITH 2018 NC FIRE CODE, 2013 NFPA 72 AND 2022 NFPA 1225.



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Sheet Title
LEVEL 2 - ENLARGED FIRE
ALARM PLAN