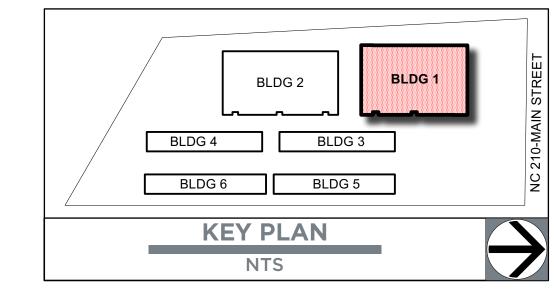
LILLINGTON STORAGE

1781 N MAIN STREET, LILLINGTON, NC 27546





SCHEDULE OF DRAWINGS

G1.0 COVER SHEET, GENERAL NOTES & LIFE SAFETY PLAN

APPENDIX B

STRUCTURAL

S000	COVERSHEET
S010	DESIGN INFORMATION
S011	SPECIAL INSPECTIONS
S100	FOUNDATION PLAN
S201	PARTITION PLAN
S202	ROOF FRAMING PLAN
S203	ROOFING PLAN
S600	ELEVATIONS
\$800	FOUNDATION AND WALL DETAILS
S810	DETAILS
S900	STEEL DETAILS
S901	ROOFING DETAILS

ARCHITECTURAL

7 (11 (0) 111 1 E	
A1.0	SLAB EDGE PLAN
A1.1	FLOOR PLAN
A1.2	ROOF PLAN, SCHEDULES & UNIT MIX
A1.3	ENLARGED OFFICE PLAN
A1.4	DESK DETAILS
A2.0	BUILDING ELEVATIONS
A3.1	WALL SECTIONS
A3.2	WALL SECTIONS

CONT. **PLUMBING**

P-001 PLUMBING SPECIFICATIONS, LEGEND LOADS AND ABBREVIATIONS PLUMBING SPECIFICATIONS, LEGEND LOADS AND ABBREVIATIONS P-002 PLUMBING SCHEDULE AND DETAILS

WASTE-VENT PLAN, DOMESTIC WATER PLAN, CONDENSATE DRAIN PLAN P-101

WEST-VENT RISER DIAGRAM

MECHANICAL

M-001	MECHANICAL, SUMMARIES LEGEND AND SPECIFICATIONS
M-002	MECHANICAL SCHEDULE AND DETAILS
MH-101	MECHANICAL HVAC PARTIAL FIRST FLOOR PLAN
MH-102	MECHANICAL HVAC PARTIAL FIRST FLOOR PLAN
MH-103	MECHANICAL HVAC PARTIAL FIRST FLOOR PLAN
MH-104	MECHANICAL HVAC PARTIAL FIRST FLOOR PLAN
MH-104	MECHANICAL HVAC ROOF PLAN

ELECTRICAL

E-001	ELECTRICAL LEGEND, ABBREVIATION AND LOAD SUMMARY
E-002	ELECTRICAL GENERAL NOTES
E-003	ELECTRICAL SPECIFICATIONS
E-004	ELECTRICAL GENERAL NOTES & LIGHT FIXTURE SCHEDULE
E-005	ELECTRICAL SPECIFICATIONS
E-100	ELECTRICAL SITE POWER PLAN
E-101	ELECTRICAL PARTIAL FIRST FLOOR POWER & LIGHTING PLAN
E-102	ELECTRICAL PARTIAL FIRST FLOOR POWER & LIGHTING PLAN
E-103	ELECTRICAL PARTIAL FIRST FLOOR POWER & LIGHTING PLAN
E-104	ELECTRICAL PARTIAL FIRST FLOOR POWER & LIGHTING PLAN
E-105	ELECTRICAL POWER PARTIAL ROOF PLAN

FIRE ALARM

FIRE ALARM, NOTES DETAILS LEGEND AND RISER DAGRAM F-001

FIRE ALARM FIRST FLOOR PLAN FIRE ALARM ENLARGED PLAN

General Notes:

Provide 2" metal frame head, typical at all doors. Hardware to comply with ICC A117.1, 404.2.6, and 404.2.7.

Hardware schedule to be provided for review. All rated doors to be provided with smoke and draft control door labeling per NCBC 2018 716.5.7.3, door closing per NCBC 2018 716.5.9, and latch requirements per NCBC 2018 716.5.9.1.

Contractor to verify tempered glass. Provide where required by code.

All rooms shall have bare concrete, corrugated metal siding at walls, and no ceiling, U.O.N. in a finish schedule. 2. All finishes shall comply with NCBC 2018 803.11.

Provide accessible signage conforming to NCBC 2018 1013, 1111, and ANSI 117.1 407, 504, 703.

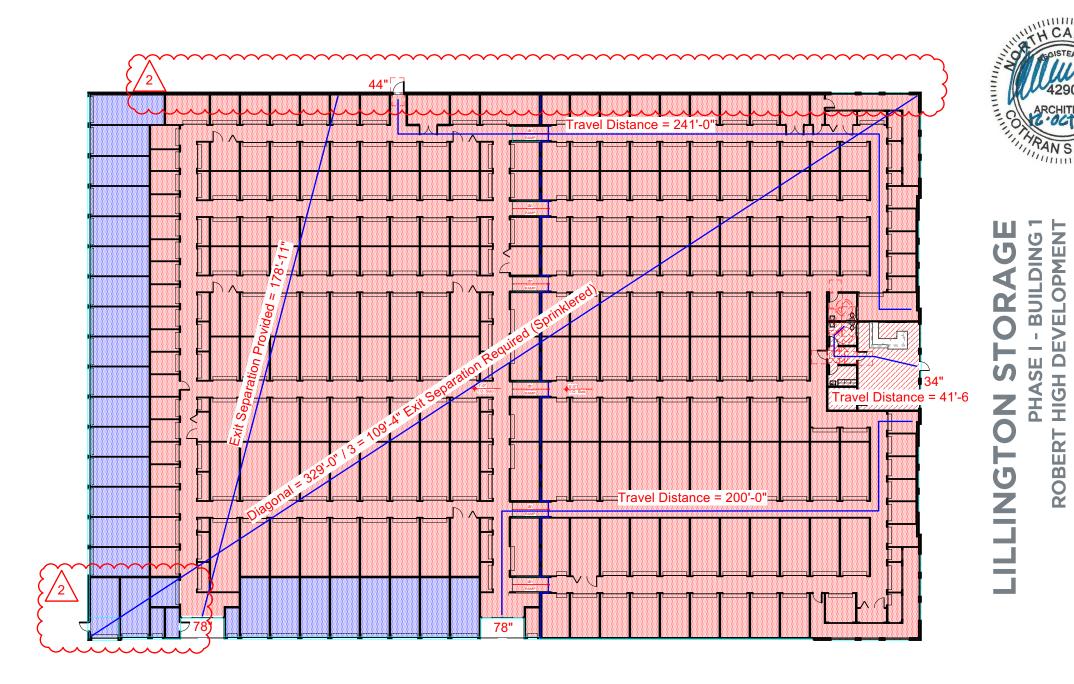
Provide "Sprinkler Riser Room" and "Fire Alarm Control Panel" or

Provide fire extinguishers and surface mounted cabinets as required by the fire marshal.

Provide a Knox Box (3200 series) in accordance with local requirements. Please contact County Departments of Fire.

GENERAL NOTES

G1.03



Floor Area: S-1: 49,012/500 = 98 Occupants B: 907/100 = 9 Occupants Egress Width:

34" (Clear) Door Provided = 170 Occupant Capacity 44" (Clear) Door Provided = 220 Occupant Capacity 78" (Clear) Door Provided = 390 Occupant Capacity

Occupant Loads per Door:
S-1: 100 occupants / 3 doors = 33 occupants per door
B: 9 occupants / 1 doors = 9 occupants per door

G1.09

1018.2.2 - Corridor Width: *Not less than 44*" (36" if occupant capacity is less than 50) 1005.2 - Door Encroachment: Door shall not reduce required width by half. 44" required width / 2 = 22" clear req'd (36" required width / 2 = 18" clear req'd) (60" provided - 22" = **38" max. allowable door**)

S-1 (interior heated): 43,277 sq. ft.

49,012 sq. ft. S-1 (sub-total):

S-1 (unconditioned): 5,735 sq. ft.

Gross Building Square Footage : 49,919 sq. ft. (inside face of stud)

LIFE SAFETY PLAN

Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project and and specifications (collectively, relating to the Project cliculding without limitation architectural and engineering drawings, plans and ecifications), and any and all of its proprietary rights embodied therein or related ereto. Except in connection with the construction, ownership, operation and anagement of the Project by Owner, this Agreement shall not grant Owner any vested tht, title or interest in or to any of the Plans and Specifications or any patents (issued o ending), trademarks, service marks, trade names, copyrights, licenses, licenses to be an proprietary, rights of PHD or any such rights granted by third parties or other. her proprietary rights of RHD or any such rights granted by third parties or othe ne Plans and Specifications and any contents of any documents or informat

00

ERSHE

LILLINGTON STORAGE

1781 N MAIN STREET, LILLINGTON, NC 27546

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

M CD '	L'III (C) DII	1 /DI T						
•	:: Lillington Storage Bldg.		7:- C	- 4- 27546				
	N Main St. Lillington, N		-	ode 27546 l robert@roberthigh	davalanament asm			
	ted Agent: Robert High	Phone # (910) 790	<u>1-9490</u> E-Mai	i <u>robert@robertinign</u>	idevelopement.com			
Owned By: Priv								
Code Enforceme	ent Jurisdiction: <u>County</u>							
CONTACT: _								
DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE #	E-MAIL			
Architectural	CHA	Cothran Harris	NC 4290	(910)793-3433	charris@cothranharris.com			
Civil	Draper Aden Assoc	Andrew Mericle	NC 41595	(<u>919</u>) 467- <u>9708</u>	americle@dda.com			
Electrical Fire Alarm	CBHF Engineers CBHF Engineers	Jason Famiglietti	NC 35230 NC 35230	(910) 791-4000 (010) 701-4000	<u>ifam@cbhfengineers.com</u> <u>ifam@cbhfengineers.com</u>			
Plumbing	CBHF Engineers	Jason Famiglietti James Benson	NC 10592	(910) 791-4000 (910) 791-4000	ibenson@cbhfengineers.com			
Mechanical	CBHF Engineers	James Benson	NC 10592	(910) 791-4000	jbenson@cbhfengineers.com			
Sprinkler-Stand		varios Bonson	<u>110 10092</u>	()	jeenson e eemengmeesseem			
Structural	Robert Warr, PE	Robert Warr	NC 32879	(678)310-9191	rwarr@framworksengineering.com			
Other				_ ()				
2018 NC BUIL	DING CODE: New Build	ding						
2018 NC EXIST	TING BUILDING COD	E: N/A						
CONSTRU	JCTED: (date)	CURRE	NT OCCUPAN	CY(S) (Ch. 3):				
RENOVAT	, ,			NCY(S) (Ch. 3):				
OCCUPANCY	CATEGORY (Table 160	04.5): Current: <u>N/A</u>	<u>A</u>]	Proposed: <u>II</u>				
DAGIC BUILD	DIC DATA							
BASIC BUILD Construction T								
Sprinklers: Yes	<u> </u>							
Standpipes: No	='							
Primary Fire D		Flood 1	Hazard Area: <u>1</u>	<u>No</u>				
Special Inspections Required: No								
		Gross Bui	lding Area Tal	ble				
FLOOR	EXISTING (sq fi		W (SQ FT)		SUB-TOTAL			
1st Floor	0 sq.ft		919 sq. ft		49,919 sq. ft			
TOTAL	•		<u>-</u>	4	49,919 sq. ft			

ALLOWABLE AREA

	Primary Occupancy Classification(s): Storage - S-1 Business Accessory Occupancy Classification(s):									
Inc	Incidental Uses (Table 509):									
Spe	Special Uses (Chapter 4 – List Code Sections):									
Spe	Special Provisions: (Chapter 5 – List Code Sections):									
Mixed Occupancy: YesNon-Separated Use (508.3)Actual Area of Occupancy A Allowable Area of Occupancy A+ Actual Area of Occupancy B Allowable Area of Occupancy B ≤ 1										
	<u> </u>									
	STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER	(B) TABLE 506.2 ⁴	(C) AREA FOR FRONTAGE	(D) ALLOWABLE AREA PER				

_						
	STORY NO.	DESCRIPTION	(A)	(B)	(C)	(D)
		AND USE	BLDG. AREA PER	TABLE 506.2^4	AREA FOR FRONTAGE	ALLOWABLE AREA PER
			STORY (ACTUAL)	AREA	INCREASE ^{1,5}	STORY OR UNLIMITED ^{2,3}
	1 St. Floor	S-1, IIB	49,012 sq. ft	70,000 sq. ft		70,000 sq. ft
	1 St. Floor	B, IIB	907 sq. ft	92,000 sq. ft		92,000 sq. ft

- ¹ Frontage area increases from Section 506.2 are computed thus: a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
- b. Total Building Perimeter c. Ratio (F/P) = _____ (F/P)
 d. W = Minimum width of public way = _____ (W)
- ² Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
 The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.

ALLOWABLE HEIGHT

⁵ Frontage increase is based on the un-sprinklered area value in Table 506.2.

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55'	21'-4"	
Building Height in Stories (Table 504.4)	2	1	

Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE	RATING		DETAIL#	DESIGN #	SHEET #	SHEET #
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDE D (W/* REDUCTI ON)	AND SHEET#	FOR RATED ASSEMBLY	FOR RATED PENETRATI ON	FOR RATED JOINTS
Structural Frame,		0					
including columns, girders,							
trusses							
Bearing Walls	N/A	0 Hr.					
Exterior	N/A	0 Hr.					
North	N/A	0 Hr.					
East	N/A	0 Hr.					
West	N/A	0 Hr.					
South	N/A	0 Hr.					
Interior	N/A	0 Hr.					
Nonbearing Walls and Partitions Exterior walls							
North	> 30 Feet	0 Hr.					
East	> 30 Feet	0 Hr.					
West	30 Feet (Assumed property line)	0 Hr.					
South	> 30 Feet						
Interior walls and partitions		0 Hr.					
Floor Construction Including supporting beams and joists		0 Hr.					
Floor Ceiling Assembly		0 Hr.					
Columns Supporting Floors		0 Hr.					
Roof Construction, including supporting beams and joists		0 Hr.					
Roof Ceiling Assembly		0 Hr.					
Columns Supporting Roof		0 Hr.					
Shaft Enclosures - Exit		0 Hr.					
Shaft Enclosures - Other		0 Hr.					
Corridor Separation		0 Hr.					
Occupancy/Fire Barrier Separation	n	0 Hr. 0 Hr.					
Party/Fire Wall Separation							
Smoke Barrier Separation		0 Hr.					
Smoke Partition		0 Hr.					
Tenant/Dwelling Unit/ Sleeping Unit Separation		0 Hr.					
Incidental Use – Fire Pump Roon	ı	0 Hr.					

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North Elevation: > 30 Feet	UP, S	No Limit	N/A
West Elevation: 30 Feet (Assumed property line).	UP, S	No Limit	N/A
South Elevation: > 30 Feet	UP, S	No Limit	N/A
East Elevation: > 30 Feet	UP, S	No Limit	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

mergency Lighting:	Ye
xit Signs:	Ye
ire Alarm:	No
moke Detection Systems:	No
arbon Monoxide Detection	No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G1.09

- 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 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 I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE PARKING (SECTION 1106) (SEE CIVIL)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WA	ATER CLOSETS	S	URINAL	AL LAVATORIES			LAVATORIES		LAVATORIES		SERVICE	DRINKING	FOUNTAINS							
	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUB	SINK	REGULAR	ACCESSIBL										
Business	9 occup	ants / 25		0	9 occupants / 40 0.225 L			N/A	<u>n/a</u>	9 occupants											
	0.4	0 T								n/a ^d											
S-1	98 occup	oants/100		0	97 occup	97 occupants/100		N/A	1SS												
	0.	98			0.97L n/a 1.2 L				N/A												
SUBTOTAL	1.3	8 T					1.2 L		1.2 L		1.2 L		1.2 L		1.2 L		1.2 L				
REQ'D	2T		0			2L	N/A	1SS	n	/a ^{a,d}											

a. Self-service mini-storage facilities are exempt per 2018 NCBC Table 2902.1 – Note M.

b. For business and mercantile occupancies with an occupant load of 25 or fewer, service sinks shall not be required per 2018 NCBC Table 2902.1 – Note 0.

c. Where only one toilet facility for each sex is required, two unisex facilities may be substituted per2018 NCBC 2902.2

d. Drinking fountains shall not be required for an occupant load of 15 or fewer per NCBC 2902.6.

NOTE: PER TABLE 403.1 IN THE 2018 NCPC STORAGE FACILITIES ARE EXEMPT FOR DRINKING FOUNTAIN

SPECIAL APPROVALS

ENERGY SUMMARY

N. C. G. S. 143-138 (B18) EXEMPTS THIS BUILDING FROM CONFORMING TO THE ENERGY CODE. PLEASE LET US KNOW IF YOU HAVE ANY QUESTIONS OR NEED ADDITIONAL INFORMATION.

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN (SEE STRUCTURAL)

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS MECHANICAL DESIGN (SEE MECHANICAL)

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN (SEE ELECTRICAL)

END APPENDIX B

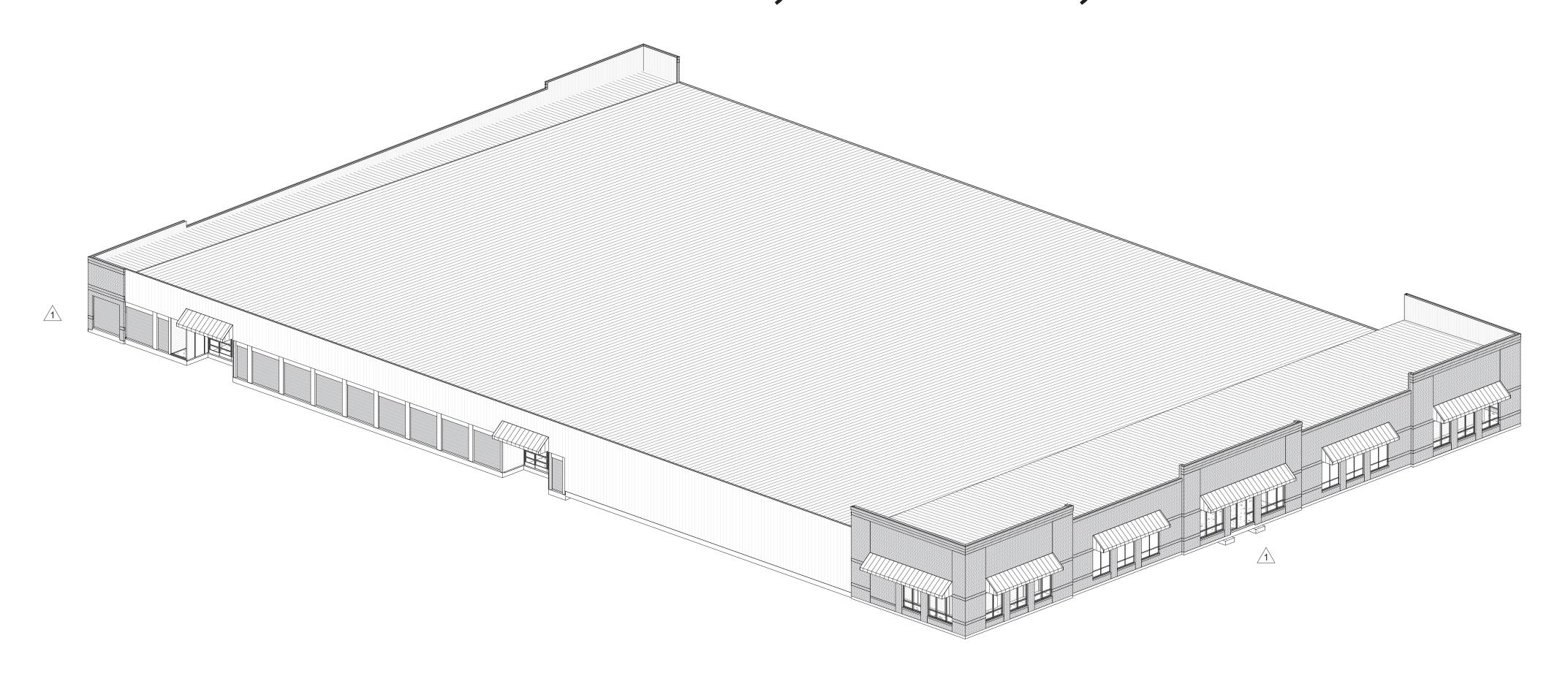




LING

LILLINGTON STORAGE PHASE I - BUILDING 1

1781 N MAIN STREET, LILLINGTON, NC 27546



	Drawing Sched	ule	
Sheet Number	Sheet Name	Current Revision	Current Revision Date
		·	
S000	Coversheet	1	10-12-2022
S010	Design Information		
S011	Special Inspections		
S100	Foundation Plan	2	03-10-3023
S201	Partition Plan	2	03-10-3023
S202	Roof Framing Plan	2	03-10-3023
S203	Roofing Plan	1	10-12-2022
S600	Elevations	2	03-10-3023
S800	Foundation and Wall Details	1	10-12-2022
S810	Details		
S840	Steel Details		
S900	Roofing Details		
			

Storage Structures Inc. expressly reserves its common law copyright and other property rights in these documents. These documents are considered proprietary information and shall not be copied or modified in any form or manner whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description
1	10-12-2022	Plan Check Response

Robert High Development LILLINGTON STORAGE

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546



Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191

(678) 310-9191 rwarr@frameworksengineering.com

Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S000

Coversheet

LILLINGTON STORAGE PHASE I - BUILDING 1 1781 N MAIN STREET LILLINGTON, NC 27546

Loads are applied in accordance with the 2018 North Carolina Building Code (2015 IBC) & ASCE 7-10

Floor Dead Load	40 psf
Basic Wind Speed	117 mp
Exposure ["] C"	·
Importance Factor = 1.00	

Floor Live Loads:
Typical Rental Unit Storage Areas......125 psf

Seismic Data: "Life Safety Only"
Seismic: Equivalent Lateral Force Analysis Procedure
Light Framed Bearing Walls with Steel Shear Panels
Steel Framed Office: R = 7.0 Cd = 4.5 Cs = 0.07
Ss = 0.180 S1 = 0.085 Sds = 0.192 Sd1 = 0.136g

Fundamental Period. Ta = 0.124

Risk Category II
Site Class D
Seismic Design Category B

Basic Structural System and Seismic Resisting Systems: Typical: Light Framed Walls with steel sheet shear panels

STRUCTURAL NOTES STRUCTURAL GENERAL NOTES AND SPECIFICATIONS: DIVISION 01 GENERAL:

- 1. The structure shown on these drawings is structurally sound only in its completed form. The contractor shall brace all earth, forms, concrete, steel, wood, masonry, to resist gravity, earth, wind and construction loads during construction.
- 2. Contractor shall exercise proper precaution to verify all existing conditions and layout or work. Immediately notify Engineer of any discrepancies. Contractor is responsible for any error resulting from failure to exercise such precaution.
- 3. Any discrepancies, errors or omissions discovered in the contract documents shall be brought to the attention of the Engineer before
- proceeding with related work.

 4. Otherwise, the correction of such items is the responsibility of the
- contractor and/or subcontractor.

 5. Where a detail, typical detail, section, typical section or a note is shown for one condition, it shall apply for all like or similar conditions
- unless otherwise noted.

 6. Should structural conflicts occur affecting fit-up of structural material,
- contractor shall notify engineer.

 7. Under no circumstances should structural material be modified to

accommodate fit-up without the engineer's approval.

Concrete

1. All concrete construction shall conform to ACI 301, Specifications for Structural Concrete for Buildings, ACI Building Code 318, ACI 322 and Guide for Concrete Floor and Slab Construction ACI 302.1 R.

2. When hot or cold weather conditions exist during placement and curing of concrete that would impair the quality and strength of concrete, special measures shall be taken as specified in ACI 305 "Hot Weather Concreting" and ACI 306 "Cold Weather Concreting".

3. Structural concrete shall be as follows, unless otherwise noted, 28 day minimum compressive strength:

a) Floor-slabs-on-grade: 3,000 PSI Slump attained shall be 4" (+ /1").

4. Unless noted otherwise, details of concrete reinforcement and accessories shall be in accordance with ACI 315, Manual of Standard Practice for Detailing Reinforced Concrete Structures and CRSI MSP-1, Manual of Standard Practice, latest edition.

5. Reinforcing steel shall conform to ASTM A615, grade 60, 15. and ASTM A616

6. Unless otherwise noted, reinforcing lap splices shall be ACI Class B Splices using the following lap lengths:

#4 Bars = 24" #5 Bars = 30"

#6 Bars = 36" #7 Bars = 42"

7. All welded reinforcing steel shall be ASTM A706 and be free of oil, scale, and rust. Welding of bars shall conform to ANSI/AWS D1 .4 "Structural Welding Code ReinforcingSteel".

8. Wire mesh shall conform to ASTM A 185; minimum lap to be 6" Inches.
9. Provide corner bars at corners of concrete walls and footings. Size and spacing of bars shall match size and spacing of longitudinal bars in walls

or footings.

10. Concrete slab and design criteria shall be as noted on the structural

11. Place 6 mil (nom.) polyethylene vapor barrier under all building slabs on grade, lap 12" minimum. Material shall conform to ASTM E 1745 Class B & include manufacturer's recommended adhesive or pressure-sensitive tape for joints.

12. Slabs on grade shall be placed using strip placement. Sawed joints (noted as S.J. foundation plan) shall be cut as soon as possible after slab is able to support weight of saw and be cut without raveling. Sawing shall be performed within 4 to 12 hours and absolutely before 24 hours has passed from time after first placement. Saw joint nearest midpoint of strip first and then half-way

between cuts next.

13. Unless noted otherwise, minimum clear cover for reinforcement shall be as follows:

a. Concrete cast against earth-3"

b. Formed concrete exposed to earth or weather 1/2" for #5 bars and smaller, 2" for #6 bars and larger.
14. Immediately upon final troweling of slabs, coat with curing compound which meets or exceeds ASTM C-309 "Liquid Membrane-Forming Compounds for Curing Concrete." Coverage shall not be less than 1 gallon per 160 square feet of slab area or more if recommended by curing compound manufacturer (minimum of 8 to 10 mils thick).

15. Floors shall be finished to FF 35 and FL 25, minimum.

16. Do not add calcium chloride or other salty compounds to concrete without specific authorization by Structural Engineer. In no case shall calcium chloride exceed 1 percent.

17. Use Portland Cement Type I or II conforming to ASTM C150-92. Aggregates shall be normal weight conforming to ASTM C33.

18. For every vertical or horizontal bar discontinued by an opening, one bar (min. of two bars) shall be added at the side of the openings. Slabs at corners of openings, cutouts and penetrations shall be reinforced with 2-t/4 (3-0" long diagonals unless otherwise noted.

19. Pipes, ducts, conduits, etc. shall not be placed in slabs unless approved by the engineer. (Place all pipes below slab).

20. Concrete exposed to weather shall be air-entrained 3.0% to 5.0% Interior slabs shall have air content of 0% to 3% maximum.

DIVISION 05 METALS Steel Floor & Roof Deck:

- Steel Roof Deck shall be formed of 24 Gage Steel conforming to ASTM A-446, with a protective coating of zinc conforming to ASTM A-525.
- Deck Units shall be erected & anchored in accordance with the manufacturer's specifications & as indicated on these drawings. Steel Deck Institute's recommended specifications shall also be followed.
- Roof Deck for High Roof over the Office Area shall be 3" x 20 gage galvanized G-60 type N deck conforming to ASTM A653 with a minimum yield strength of 33 ksi.

Light Gage Metal:

1. All members shall conform to the AISI "Specification for the Design of Cold-Formed Steel Structural Members," NAS-01 and shall be of the type and size as indicated on the plans. All structural members shall meet the requirements of 2010 A.I.S.I. general provisions, 50 KSI for 12 and 16 ga. members and 33 KSI for 18 ga. members. all members shall be zinc coated meeting ASTM A1003, G-60 or equal.

2. The physical and structural properties as listed by SSMA shall be the minimum permitted for framing members. Any substitutions must be approved prior to construction by the Engineer.

3. Fastening of components shall be with self-drilling screws or welding in compliance with C1513. Screws and welds shall be of sufficient size to ensure the strength of the connection. All screws shall not be less than 3/4" o.c. or from edge. All welds shall be touched-up with zinc-rich paint.

4. All power-actuated fasteners (PAF) shall be 0.157" dia., U.N.O. Studs may be punched; headers shall not be punched.

5. Top and bottom tracks shall be the same depth and gage, minimum. Fanges should not be less than 2".

6. Splices in framing components, other than runner track, shall not be permitted.

7. Temporary bracing, where required, shall be provided until erection is complete.8. All framing components shall be cut squarely for attachment to perpendicular

members or, as required, for an angular fit against abutting members.

9. Provide additional studs, when necessary, to resist vertical components of loads.

10. The quantity of studs at header openings shall be minimum amount of studs displaced due to opening with half on each side of opening.

11. Multiple studs at stud packs shall be attached at (2) rows, staggered of #10 teks screws at 24" o.c., in a back-to-back configuration. When flange-to-flange is required gusset plates or tracks shall be installed at the above mentioned spacing.

12. Studs shall be installed so the ends are positioned against the inside of the runner track web prior to fastening and shall be attached to both flanges of the upper and lower runner tracks.

13. Provide stiffeners in headers at each point load and at bearing locations, as designated on plans.

14. Attach all ties as detailed and noted in manufacturer technical manuals, provide screw or paf attachments as specified.

15. Materials: All members shall be cold formed from red oxide painted structural quality sheet steel meeting the requirements of ASTM A-446 Grade A, minimum yield of 33 KSI for 18 gage & lighter, & meeting the requirements of ASTM A-446 Grade D, minimum yield of 55 KSI for 16 gage & heavier. All members shall be marked so that supplied materials can be field verified. (ICBO #ER-5409).

16. Installation: a) Wall Studs & Posts: Install studs in continuous tracks, sized to match studs top & bottom, & secure studs to tracks with approved connections, install bridging as indicated on the drawings or with the approval of the Architect/Engineer. b) Do not splice any framing member except as shown on drawings.

17. Connections: a) Welds: Welding shall be in conformance with AWS D1.3-80 utilizing E60XX or E70XX electrodes. Engineer of Record may request non-destructive testing to verify weld quality. b) Screws: Self-drilling & self-tapping, cadmium plated for all exterior uses, of the size required for loadings. Per ICBO #ER-5202. c) Minimum connection shall be with clip L's 4"x4"x12 gage x 0'-4" long with 3-#12 TEKS each leg unless noted or shown otherwise. d) Minimum spacing all screws 1", minimum edge distance is 1/2" unless manufacturer's instructions are more stringent. e) Power Driven Shots: Size & spacing as required to properly anchor the framing members. Use charge as appropriate for actual use (ICBO #2388).

Miscellaneous Structural Steel:

1. Anchor bolts shall conform to F1554 Headed Bolts: Minimum anchor bolt embedment 12 bolt diameters; W-shape members to ASTM A992, Fy = 50 KSI, HSS columns or beams to ASTM A500, Grade B, Fy = 46 KSI; miscellaneous plates, angles, channels, etc. to ASTM A36, Fy = 36 KSI, high strength bolts shall conform to ASTM A325, Type N unless otherwise noted.

2. Unless specifically noted otherwise, fabrication & erection of structural steel shall be in accordance with AISC Specifications, latest edition.

3. Where field & shop welds are indicated on the drawings, they shall be size & type noted. All welding of structural steel shall be done in accordance with latest edition of AWS D1.1-10, Structural Welding Code by AWS corresponding to the AISC Specification used, & all welds including field welds shall be made by certified welders using E70XX electrodes. Proof of certified welders shall be available at job site during times of inspection.

4. Paint all structural steel with one coat of red oxide rust-inhibitive primer 2.5 mils in thickness. the compatibility of primer and any top coat shall be verified before any painting is performed. Touch-up all exposed metal after field installation. all structural steel which is exposed to the elements shall receive two coats of exterior enamel which is compatible to the primed surface.

5. Bolted connections shall be assembled & inspected in accordance with RSC-2009 (Specification for Structural Joints using High-Strength Bolts).

SPECIAL INSPECTION:

1. Owner is responsible for providing an approved inspection & testing agency in the State of the project to provide all inspections & furnish reports for the project as per International and State Building Code.



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

www.storagestructuresinc.com

Rev.	Revision Date	Revision Description

Robert High Development LILLINGTON STORAGE

PHASE I - BUILDING 1

1781 N MAIN STREET

1781 N MAIN STREET LILLINGTON, NC 27546



NC PE# 32879

Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191 rwarr@frameworksengineering.com

Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	ΔD

S010

Design Information

Storage Structures Inc. expressly reserves its common law copyright and other property rights in these documents. These documents are considered proprietary information and shall not be copied or modified in any form or manner whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.

SHOP DRAWING REVIEW AND SUBMITTAL NOTES

1. REFER TO PROJECT SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.

SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS.

SUBMITTAL REVIEW WILL NOT BE CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILED INFORMATION SUCH AS DIMENSIONS AND QUANTITIES, OR FOR SUBSTANTIATING INSTRUCTIONS FOR INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS DESIGNED BY THE CONTRACTOR. ALL OF THIS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.

MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.

REVIEW SHALL NOT CONSTITUTE APPROVAL OF SAFETY PRECAUTIONS OR OF ANY CONSTRUCTION

APPROVAL OF A SPECIFIC ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY OF WHICH THE

2. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW AND

- REINFORCING STEEL (REBAR)
- CONCRETE MIXES
- STRUCTURAL STEEL
- METAL DECKING COLD-FORMED METAL FRAMING

SHOP DRAWINGS ARE TO BE DISTRIBUTED ONLY FROM RETURNED SUBMITTALS BEARING AN INITIALED REVIEW STAMP AND WORK ON THESE ITEMS SHALL NOT PROCEED UNLESS THE STAMP CLEARLY INDICATES THE DRAWINGS ARE "APPROVED", "APPROVED AS NOTED", "REVIEWED", OR "REVIEWED. SEE COMMENTS".

4. CONCRETE IS A PRE-ENGINEERED MATERIAL DESIGNED BY THE SUPPLIER TO MEET THE STRENGTH AND PERFORMANCE CRITERIA SPECIFIED IN THE CONTRACT DOCUMENTS. CONCRETE MIX DESIGNS SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 5, AND SHALL BE SUBMITTED TO THE INDEPENDENT TESTING LAB WITH APPROPRIATE HISTORICAL TEST DATA AND ANALYSIS FOR REVIEW AND APPROVAL. SUBMIT MIX DESIGNS AND THE TESTING LAB REVIEW TO THE ARCHITECT/ENGINEER FOR REVIEW.

MANY VARIABLES, INCLUDING MIX COMPONENTS AND ENVIRONMENTAL CONDITIONS AFFECT THE QUALITY OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING VARIABLES AND REQUESTING MIX MODIFICATIONS AND SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY OF CONCRETE DELIVERED AND PLACED ON THE SITE.

5. GENERAL CONTRACTOR SHALL PRE-CHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE ENGINEER FOR REVIEW. ALL SUBMITTAL MATERIALS MUST BEAR AN INITIALED REVIEW STAMP OF THE GENERAL CONTRACTOR. SUBMITTALS WITHOUT THE REVIEW STAMP OF THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW AND SHALL NOT BE CAUSE FOR CLAIMS OF

6. GENERAL CONTRACTOR SHALL SCHEDULE SUBMITTALS SUFFICIENTLY IN ADVANCE OF THE DATE REQUIRED TO ALLOW REASONABLE TIME FOR DELIVERY, PROCESSING AND REVIEW BY THE DESIGN TEAM. THIS SHALL INCLUDE A MINIMUM OF TEN WORKING DAYS, EXCLUDING DELIVERY TIME, FOR ENGINEER'S PROCESSING AND REVIEW OF SHOP DRAWINGS. INCLUDE TIME FOR CONTRACTOR'S RESUBMISSION AND SUBSEQUENT REVIEW IF NECESSARY.

SHORTER REVIEW PERIODS WILL ONLY BE HONORED WITH PRIOR WRITTEN CONSENT FROM THE ENGINEER. THESE ACCELERATED SERVICES, AND APPROPRIATE COMPENSATION, MUST BE NEGOTIATED WITH THE ENGINEER AND ARCHITECT IN ADVANCE.

TEN DAY REVIEW PERIODS CAN NOT BE HONORED WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED AT ONE TIME. WHEN THIS HAPPENS, THE CONTRACTOR SHALL SUBMIT AN ITEMIZED LIST INDICATING PRIORITIES AND REASONABLE RETURN DATES.

7. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS, INCLUDING THE USE OF ELECTRONIC FILES, BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF THE INDEPENDENT PREPARATION OF SHOP DRAWINGS. SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON. SUCH USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS WILL NOT BE ALLOWED WITHOUT PRIOR CONSENT FROM THE ENGINEER.

8. WHEN USING ELECTRONIC FORMAT FOR SUBMITTALS. THE CONTRACTOR SHALL PROVIDE ONE PRINTED HARD COPY FOR ENGINEER REVIEW OR EXECUTE AN AGREEMENT FOR REIMBURSING THE ENGINEER FOR PRINTING COSTS FOR ONE COPY.

9. STRUCTURAL FRAMING WAS BASED ON PRELIMINARY CRITERIA FROM ONE ELEVATOR MANUFACTURER AS NOTED ON PLAN. ALTERATIONS MAY BE NECESSARY IF A DIFFERENT ELEVATOR MANUFACTURER IS SELECTED OR IF DIFFERENT REQUIREMENTS ARE PROVIDED IN THE ELEVATOR SUBMITTAL. BASED ON THE EXTENT OF THE CHANGES, ADDITIONAL SERVICES FOR STRUCTURAL REDESIGN AND COSTS OF ADDITIONAL OR MODIFIED FRAMING MAY BE REQUIRED. DURING SELECTION OF ELEVATOR SYSTEMS, GENERAL CONTRACTOR SHALL INCLUDE A CONTINGENCY TO COVER THESE FEES AND COSTS. COSTS OF THE DESIGN AND CONSTRUCTION REVISIONS SHALL BE BORNE BY THE CONTRACTOR.

10. STRUCTURAL FRAMING WAS BASED ON PRELIMINARY MEP EQUIPMENT AS NOTED ON PLAN. IT IS ANTICIPATED THAT COMPETITIVE BIDS ON MEP EQUIPMENT WILL BE TAKEN AND THAT STRUCTURAL MODIFICATIONS MAY BE NECESSARY IF ALTERNATE MEP EQUIPMENT IS SELECTED, OR IF EQUIPMENT IS RELOCATED, SHAFT SIZES ARE CHANGED, OR DIFFERENT REQUIREMENTS ARE PROVIDED IN THE EQUIPMENT SUBMITTAL. BASED ON THE EXTENT OF THE CHANGES, ADDITIONAL SERVICES FOR STRUCTURAL REDESIGN AND COSTS OF ADDITIONAL OR MODIFIED FRAMING MAY BE REQUIRED. DURING SELECTION OF MEP SYSTEMS, GENERAL CONTRACTOR SHALL INCLUDE A CONTINGENCY FOR THIS REVISED DESIGN AND CONSTRUCTION WORK. COSTS OF THE DESIGN AND CONSTRUCTION REVISIONS SHALL BE BORNE BY THE CONTRACTOR.

THIRD PARTY SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE IBC BUILDING CODE CHAPTER 17 AND AS MODIFIED HEREIN.

2. DESIGNATIONS

PERFORMED, RETESTS.

SI: SPECIAL INSPECTOR QUALIFIED WITH DEMONSTRATED COMPETENCE DOCUMENTED BY CERTIFICATIONS FROM RECOGNIZED AGENCIES SUCH AS AWS, ACI, AISC, AISI, ETC., AS SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTOR MAY BE A FIRM WITH MULTIPLE SPECIALISTS AND A PROJECT MANAGER PROVIDING REPORTS.

TA: TESTING AGENCY QUALIFIED TO TEST AND INSPECT MATERIALS AND ASSEMBLIES. TESTING AGENCY SHALL BE UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR.

GE: GEOTECHNICAL ENGINEER WHO PROVIDED THE ORIGINAL PROJECT GEOTECHNICAL SOILS INVESTIGATION REPORT.

SE: SPECIALTY ENGINEER RESPONSIBLE FOR DESIGNING ASSEMBLIES SUCH AS PRECAST CONCRETE, STEEL JOISTS, COLD FORMED FRAMING ASSEMBLIES, ETC.

SPECIALTY ENGINEER SHALL PROVIDE OBSERVATION OF FABRICATED AND INSTALLED ITEMS OF THEIR DESIGN, IN ADDITION TO THE SPECIAL INSPECTION.

3. TA, GE AND SE SHALL SUBMIT RECORDS OF THE INSPECTION RESULTS TO THE SI. THE SI SHALL COMPILE AND SUBMIT INSPECTION RECORDS TO THE ARCHITECT/ENGINEER AND BUILDING OFFICIAL. RECORDS SHALL INCLUDE STATEMENTS OF TESTS, VERIFICATION OF INSTALLED/FABRICATED ITEM COMPLIES WITH CONTRACT DOCUMENTS, REMEDIAL WORK

4. SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF COMPLIANCE CAN FOLLOW BY A MAXIMUM OF 2 WEEKS. SI SHALL PROVIDE AND SIGN A FINAL REPORT WITH A SUMMARY OF ALL TESTS PERFORMED AND IN COMPLIANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE GOVERNING BUILDING CODE TO THE ENGINEER OF RECORD AND BUILDING OFFICIAL.

5. SI, TA & GE SHALL BE PAID BY THE OWNER IN COMPLIANCE WITH THE (INTERNATIONAL) BUILDING

6. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

TAOK	INSPECTION I	REQUENCY	REFERENCED	REFERENCE	RESPONSIB
TASK	CONTINUOUS	PERIODIC	STANDARD	NEFERENCE	AGENT
INSPECTION OF STEEL FABRICATOR:			AISC QUALITY	4704.0	01
A. VERIFY Q.C. PROCEDURES ARE AISC COMPLIANT AND CURRENT.	-	X	CERTIFICATION	1704.2	SI
MATERIAL VERIFICATION OF HIGH-STRENGTH			_	_	
LTS, NUTS, AND WASHERS:					_
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	Х	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3.3	-	SI
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	-	Χ	-	-	
. INSPECTION OF HIGH-STRENGTH BOLTING:			4100.000		
A. BEARING TYPE CONNECTIONS.	-	X	AISC 360 SECTION M2.5	1704.3.3	SI/TA
B. SLIP CRITICAL TYPE CONNECTIONS.	-	X	OLOTION M2.0		
. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			ASTM A6		
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	AOTWAO	1708.4	SI
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	-	Χ	ASTM A568		
MATERIAL VERIFICATION OF WELD FILLER MATERIALS:			-	<u>-</u>	
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X	AISC 360 SECTION A3.5	-	SI/TA
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE.	-	Х	-	-	-
. INSPECTION OF WELDING:			-	<u> </u>	
A. STRUCTURAL STEEL:					
i. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	-			
ii. MULTI PASS FILLET WELDS.	X	-	AWS D1.1	1704.3.1	
iii. SINGLE-PASS FILLET WELDS > 5/16".	Х	-			
iv. SINGLE-PASS FILLET WELDS = 5/16".</td <td>-</td> <td>Х</td> <td></td> <td></td> <td></td>	-	Х			
v. FLOOR AND DECK WELDS.	-	X			-
vi. STAIR AND RAILING WELDS.	-	X	AWS D1.3	-	
vii. SHEAR STUD WELDS.	-	Х	AWS D1.1	-	SI/TA
B. REINFORCING STEEL:			-	-	-
I. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A-706	5	-			-
II. REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	-	-	ACI 318:	-	
III. SHEAR REINFORCEMENT.	-	-	ACI 318: 3.5.2		
IV. OTHER REINFORCING STEEL.	-	X			
INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:					
A. DETAILS SUCH AS BRACING AND STIFFENING.	-	Х		4704.0.0	
B. MEMBER LOCATIONS.	-	X	-	1704.3.2	SI
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	_	X			

IL QUITED VE	RIFICATION AND	INSPECTION	N OF METAL DE	ECK CONSTRUCTION	<u>JN</u>	
1. SPECIAL INSPECTIONS FOR METAL	DECK SHALL BE	AS REQUIR	ED IN THE FOL	LOWING TABLE.		
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD		PROJECT SPECIFICATION SECTION
1. MATERIAL VERIFICATION OF METAL DECK:						
a. IDENTIFICATION MARKINGS TO CONFORM TO SDI STANDARDS AND THE APPROVED SHOP DRAWINGS.		X N	 ANUFACTURE 	R'S APPROVED SH	OP DRAWING	S
2. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		Х		REFER TO TABLE 1704.3, STRUCTURAL STEEL		
5. INSPECTION OF WELDING:		X				
a. STRUCTURAL STEEL:						
1) FLOOR AND DECK WELDS, SPACING AND PATTERN.		X		REFER TO TABLE 1704.3, STRUCTURAL STEEL		

SPECIAL INSPECT	ION REQUIREM	ENTS - CONCR	ETE CONSTRUCTION	١	
TASK	INSPECTION	FREQUENCY	REFERENCED	REFERENCE	RESPONSIBLE AGENT
IASK	CONTINUOUS	PERIODIC	STANDARD	INCI LINCINOL	
INSPECTION OF REINFORCING STEEL AND PLACEMENT.	-	Х	ACI 318: 3.5, 7.1-7.7	1913.4	SI
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	-	X	AWS D1.4 ACI 318: 3.5.2	-	SI
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO PLACEMENT OF CONCRETE.	X	-	-	1911.5	SI/TA
4. VERIFYING USE OF REQUIRED DESIGN MIX.	-	Χ	ACI 318: CHAPT 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3	SI/TA
5. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT, AND DETERMINING THE TEMPERATURE OF CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.	×	-	ASTM C 172, C 31	1913.10	SI/TA
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.6, 5.8 ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8	SI
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	Х	ACI 318: 5.11-5.13	1913.9	SI
8. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	Х	ACI 318: 6.1.1	1906.1	SI/SE/TA

	T401/	INSPECTION FREQUENCY		REFERENCED		RESPONSIBLE
	TASK	CONTINUOUS	PERIODIC	STANDARD	REFERENCE	AGENT
	SITE PREPARATION:			GEOTECHNICAL		
	A. SITE PREPARED IN ACCORDANCE WITH APPROVED GEOTECHNICAL REPORT.	-	Х	REPORT	1704.7, 1803	SI/GE
2.	EXCAVATION:			GEOTECHNICAL		
	A. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	Х	REPORT	1704.7	SI/GE
3.	FILL PLACEMENT:					
	A. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-	Х		1704.7, 1803.5	SI/GE/TA
	B. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	Х	-	GEOTECHNICAL REPORT		
	C. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	Х			
4.	SHALLOW FOUNDATIONS:					
	A. IDENTIFICATION OF SOILS AT AND BELOW FOUNDATION BEARING LEVEL.	-	Х	GEOTECHNICAL	1704.7	SI/GE
	B. ALLOWABLE BEARING CAPACITY OF FOUNDATION BEARING SOILS.	-	Х	REPORT		



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

www.storagestructuresinc.com

Rev.	Revision Date	Revision Description

Robert High Development LILLINGTON **STORAGE**

1781 N MAIN STREET LILLINGTON, NC 27546

PHASE I - BUILDING 1



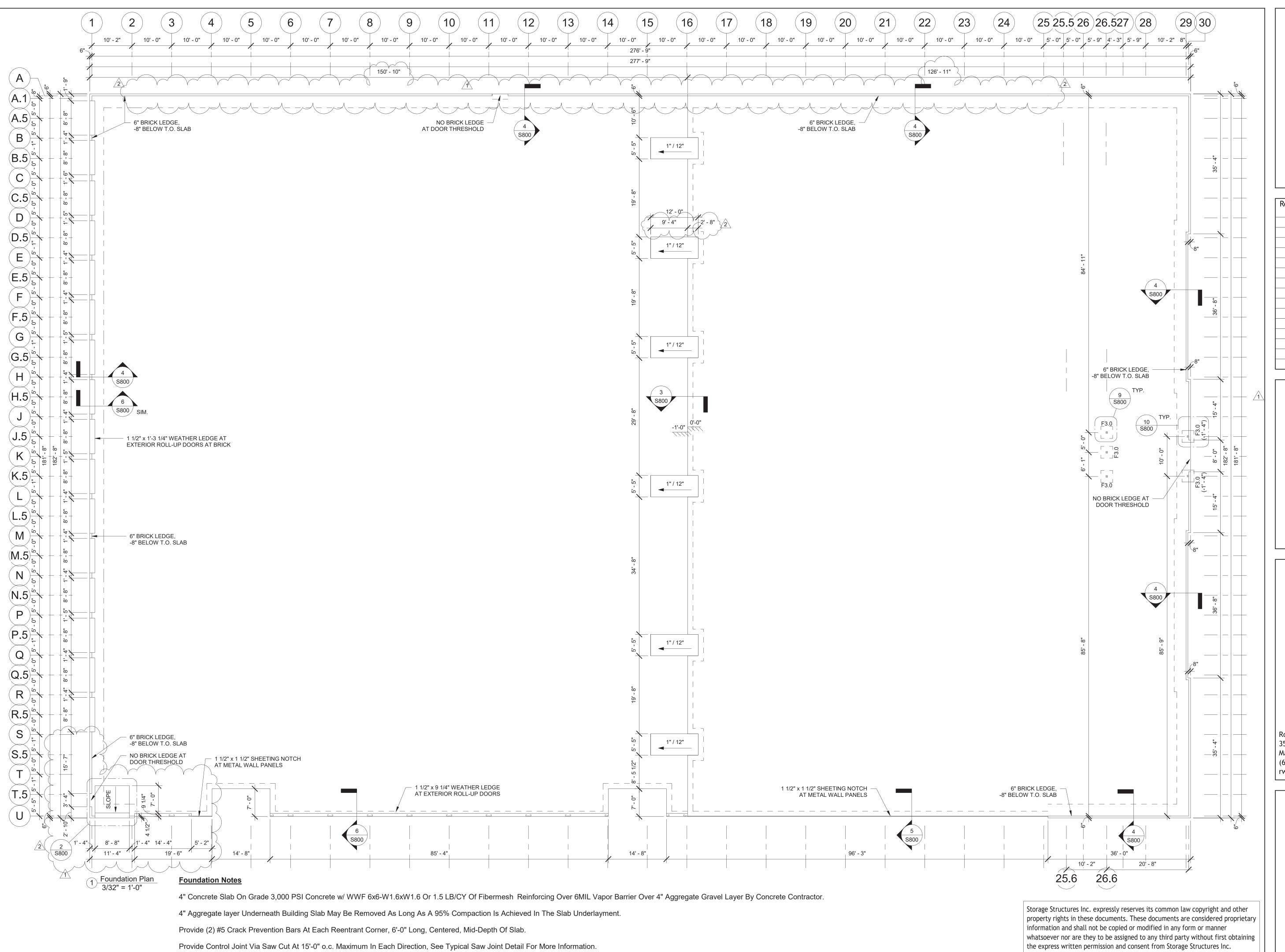
Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191 rwarr@frameworksengineering.com

FE2203556-0
07-14-2022
EM
RW
AD

Special Inspections

<u>REQUIRED VE</u>	RIFICATION AND	INSPECTION	N OF METAL DI	ECK CONSTRUCTION	
1. SPECIAL INSPECTIONS FOR METAL	DECK SHALL BE	AS REQUIR	ED IN THE FOL	LOWING TABLE.	
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	NOT APPLICABLE	REFERENCED STANDARD	PROJECT SPECIFICATION SECTION
1. MATERIAL VERIFICATION OF METAL DECK:					
a. IDENTIFICATION MARKINGS TO CONFORM TO SDI STANDARDS AND THE APPROVED SHOP DRAWINGS.		X M	 IANUFACTURE 	R'S APPROVED SHOP DRA	WINGS
2. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		X		REFER TO TABLE 1704.3, STRUCTURAL STEEL	
5. INSPECTION OF WELDING:		Х			
a. STRUCTURAL STEEL:					
1) FLOOR AND DECK WELDS, SPACING AND PATTERN.		X		REFER TO TABLE 1704.3, STRUCTURAL STEEL	

Storage Structures Inc. expressly reserves its common law copyright and other property rights in these documents. These documents are considered proprietary information and shall not be copied or modified in any form or manner whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.





> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

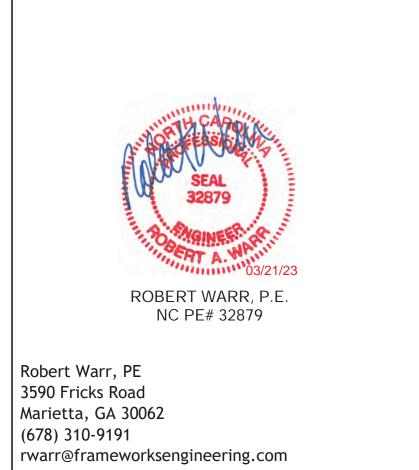
www.storagestructuresinc.com

Rev.	Revision Date	Revision Description
1	10-12-2022	Plan Check Response
2	03-10-3023	ELEVATION AND PLAN REV.

Robert High Development LILLINGTON STORAGE

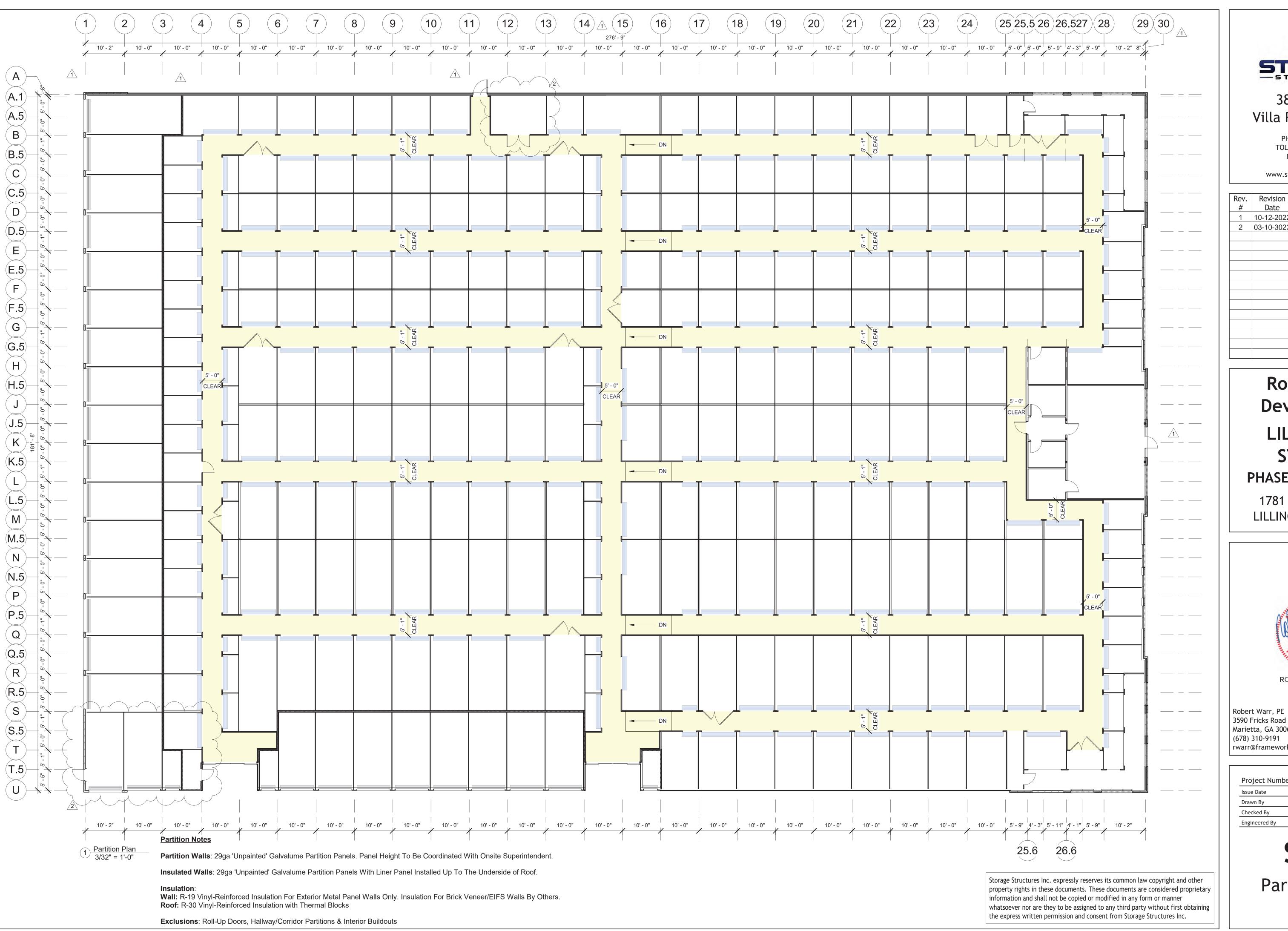
PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546



Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S100Foundation Plan





> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description
1	10-12-2022	Plan Check Response
2	03-10-3023	ELEVATION AND PLAN REV.

Robert High Development LILLINGTON STORAGE

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546

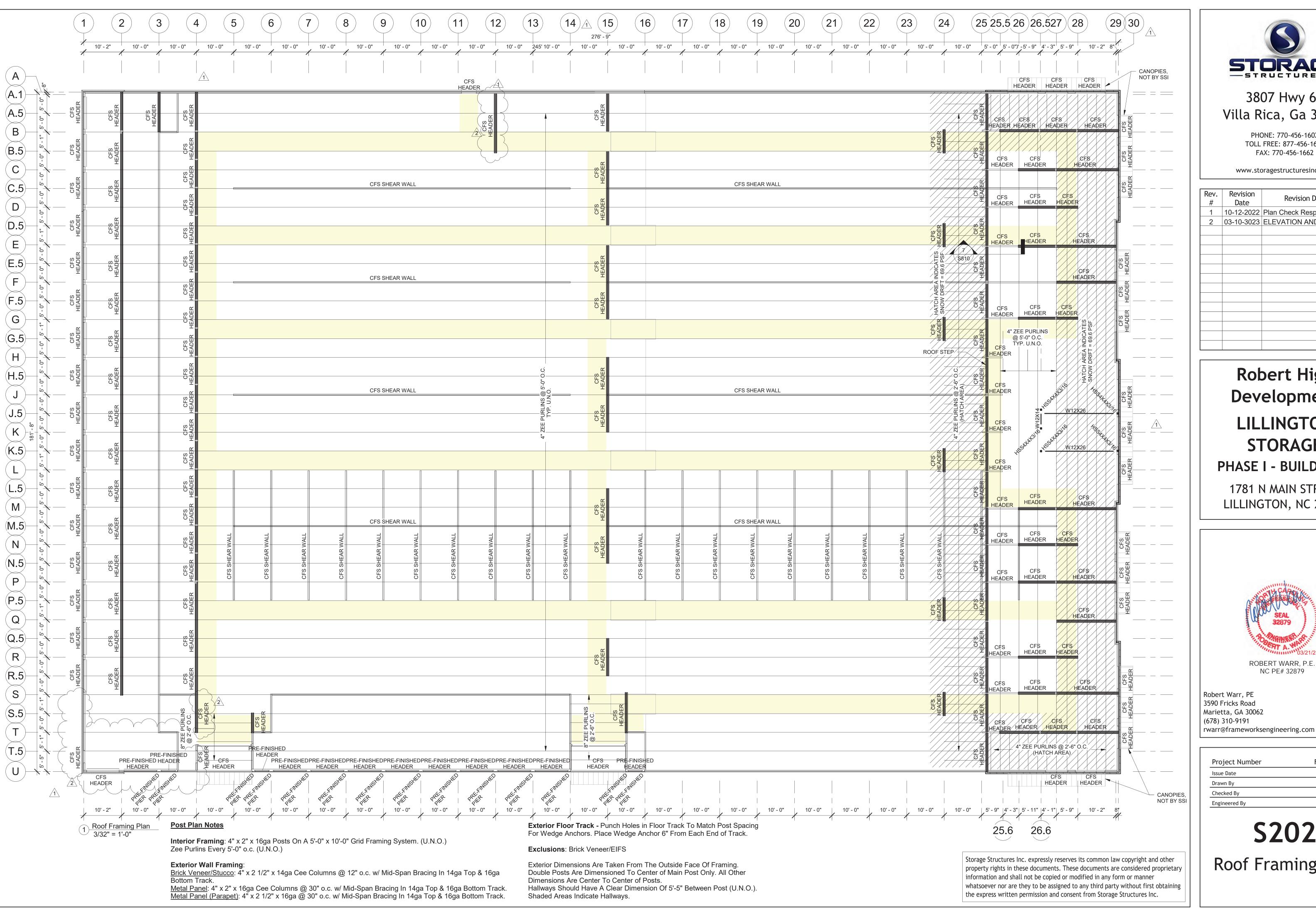


NC PE# 32879

3590 Fricks Road Marietta, GA 30062 (678) 310-9191 rwarr@frameworksengineering.com

Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S201Partition Plan





> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

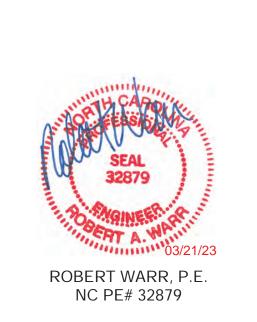
www.storagestructuresinc.com

Rev.	Revision Date	Revision Description
1		Plan Check Response
2		ELEVATION AND PLAN REV.

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

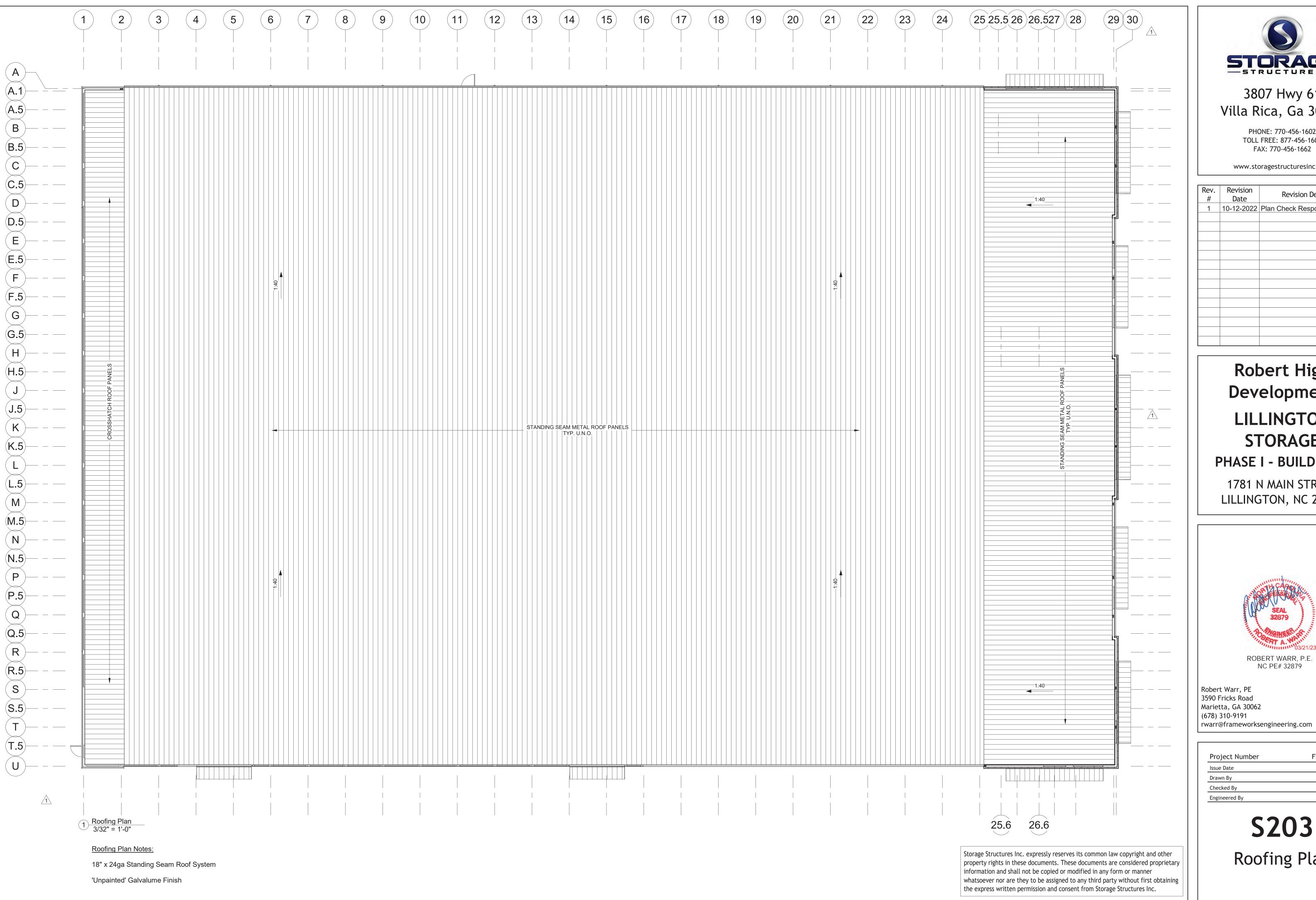
1781 N MAIN STREET LILLINGTON, NC 27546



Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191

> Project Number FE2203556-0 Issue Date 07-14-2022 Drawn By ΕM Checked By RW

S202 Roof Framing Plan





> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

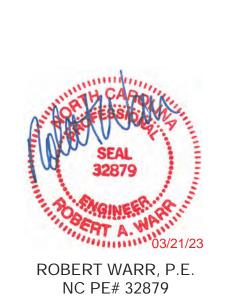
www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description
1	10-12-2022	Plan Check Response

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546

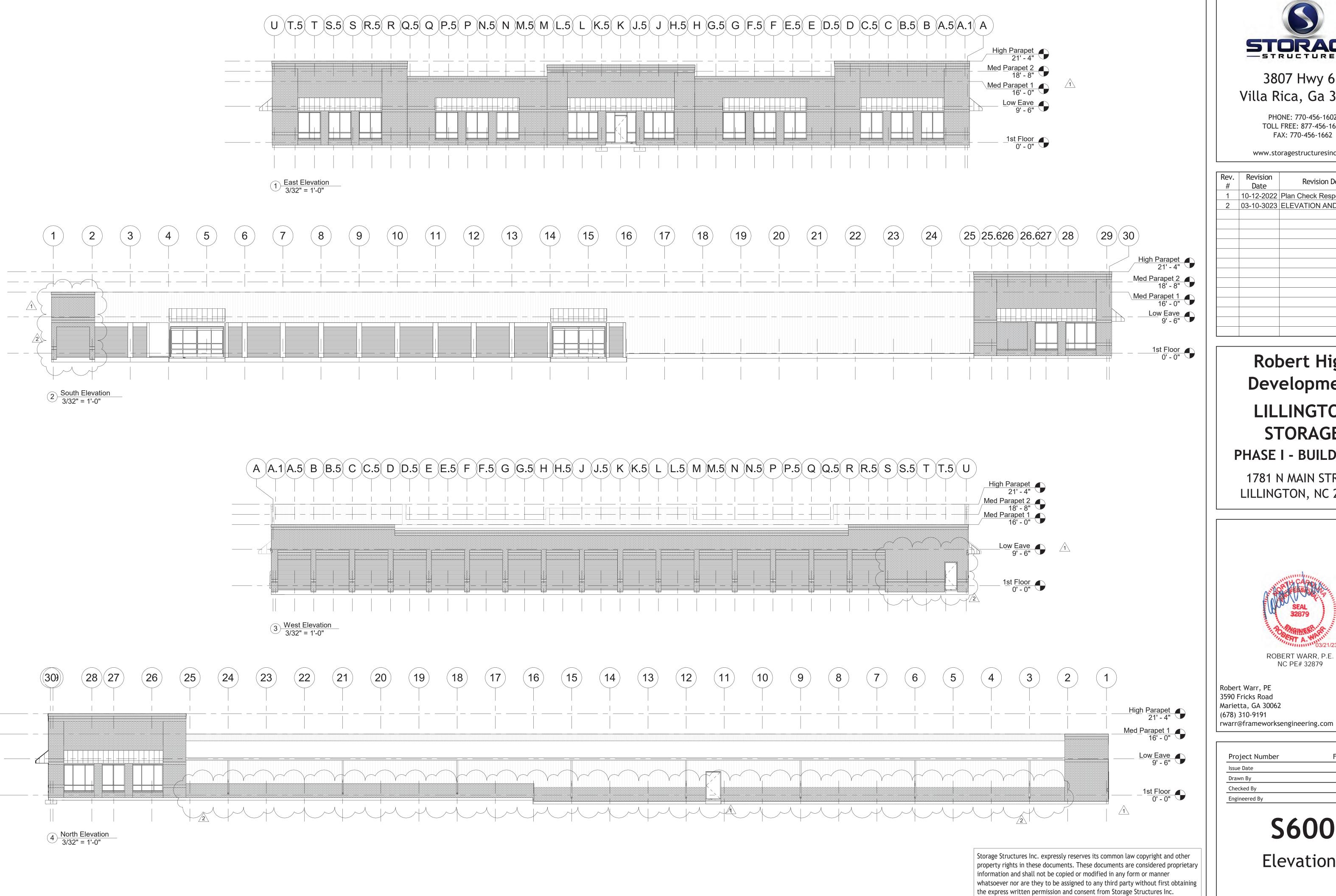


Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191

Project Number FE2203556-0 07-14-2022 Issue Date Drawn By ΕM Checked By RW Engineered By

S203

Roofing Plan





> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

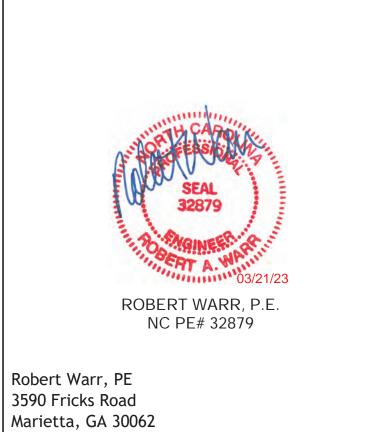
www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description
1	10-12-2022	Plan Check Response
2	03-10-3023	ELEVATION AND PLAN REV.

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

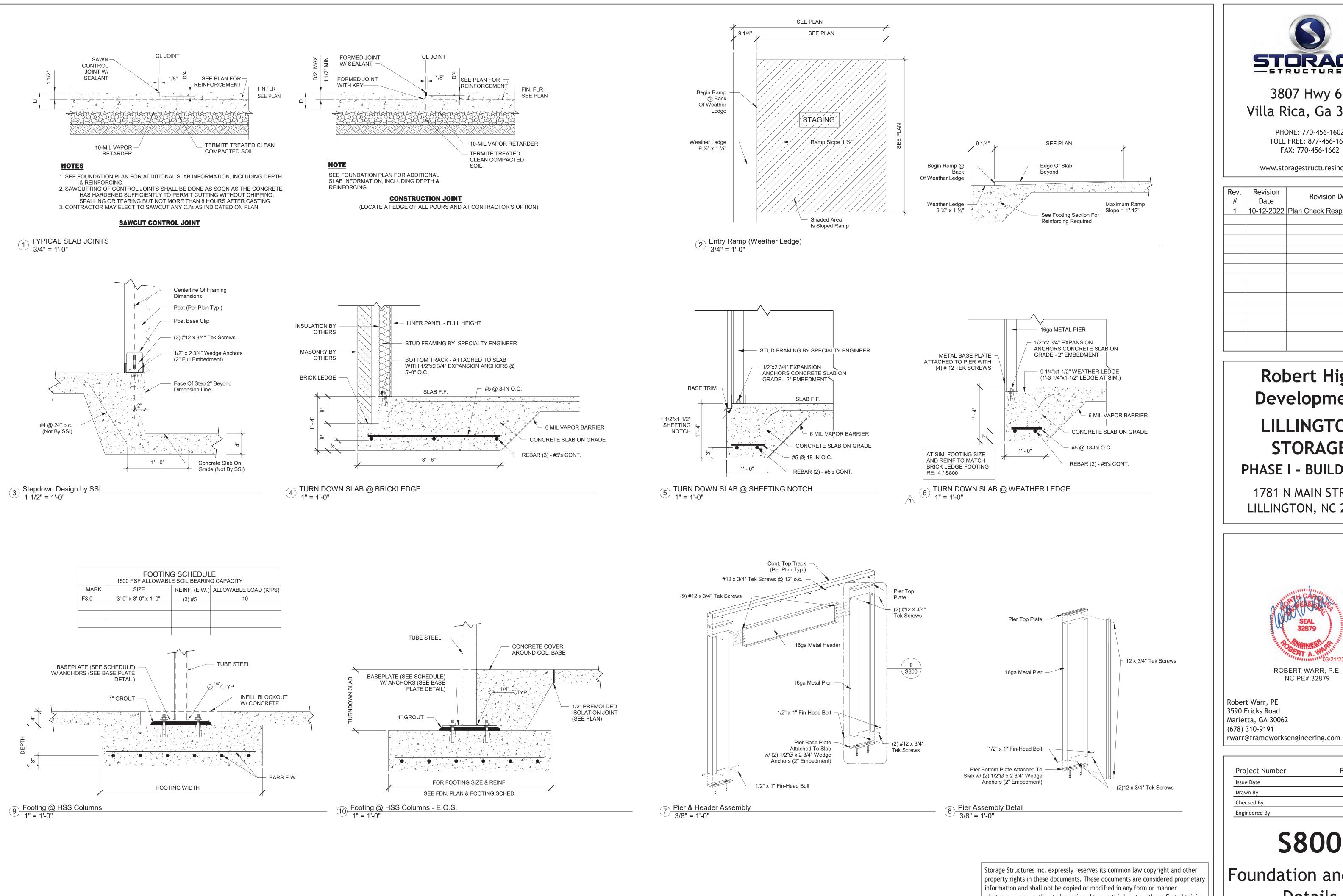
1781 N MAIN STREET LILLINGTON, NC 27546



Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S600

Elevations



whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

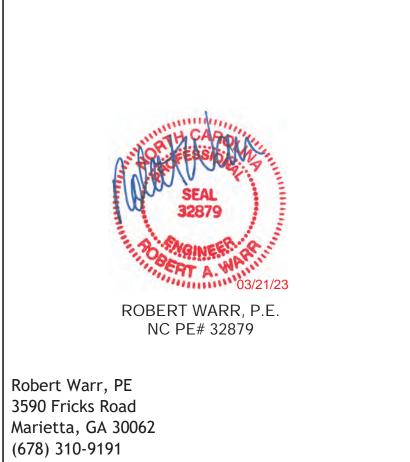
www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description
1	10-12-2022	Plan Check Response

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

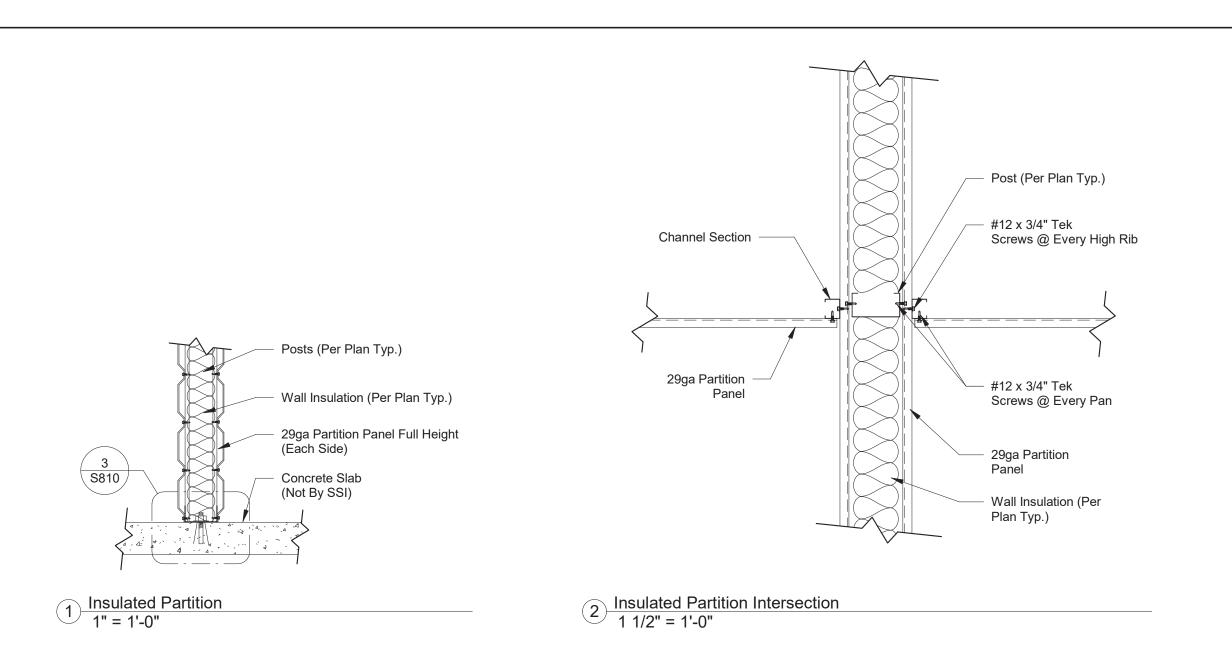
1781 N MAIN STREET LILLINGTON, NC 27546

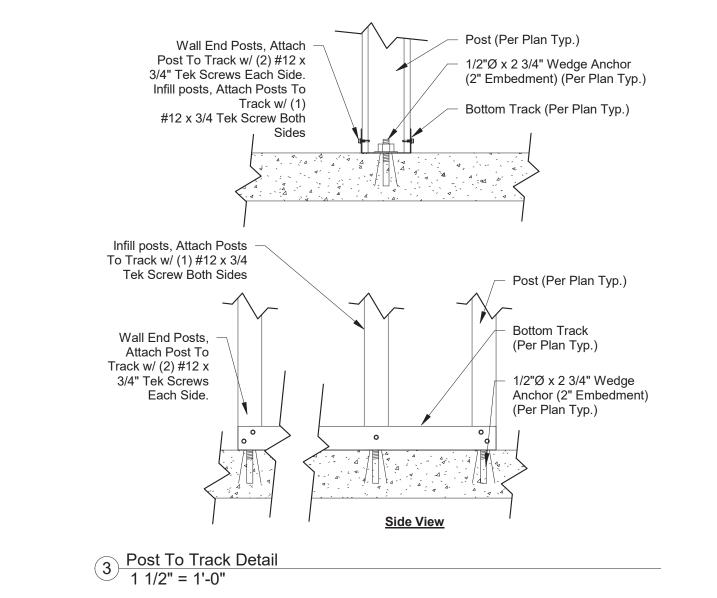


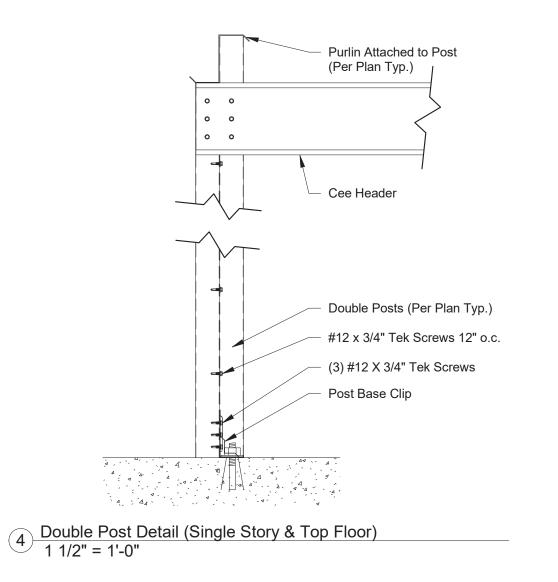
Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

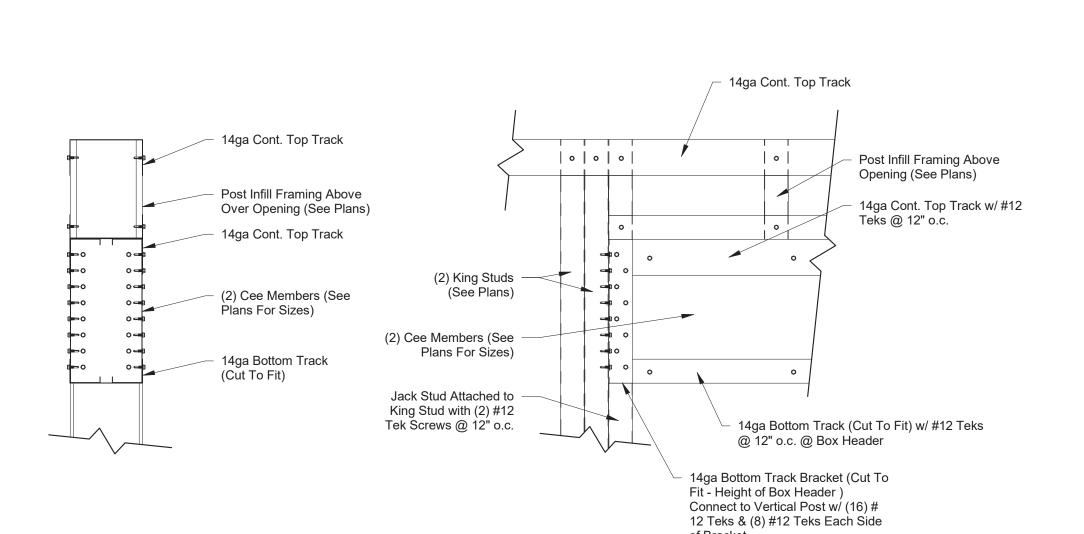
S800

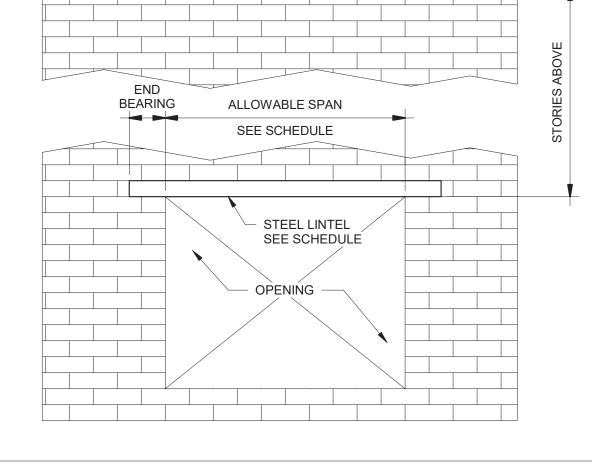
Foundation and Wall Details



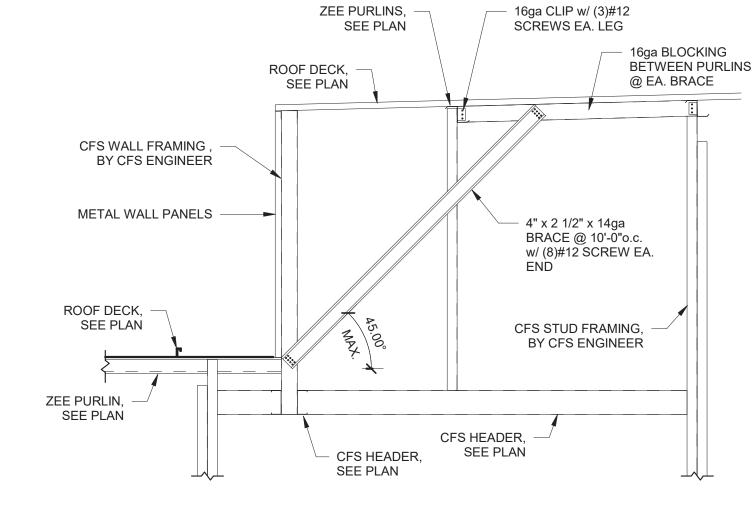








	LOOSE LINTEL SCHEDULE					
	SIZE	ALLOWABLE SPAN				
	SIZE	UP TO 5'-0" ABOVE	ONE STORY ABOVE	TWO STORIES ABOVE		
	3x3x1/4	6'-0"	4'-6"	3'-0"		
	4x3x1/4	8'-0"	6'-0"	4'-6"		
	5x3.5x5/16	10'-0"	8'-0"	6'-0"		
	6x3.5x5/16	14'-0"	9'-6"	7'-0"		
	8x4x1/2	18'-0"	15'-0"	12'-6"		
NOTE: LONG LEG SHALL BE PLACED VERTICAL. MINIMUM END BEARING = 6-I						

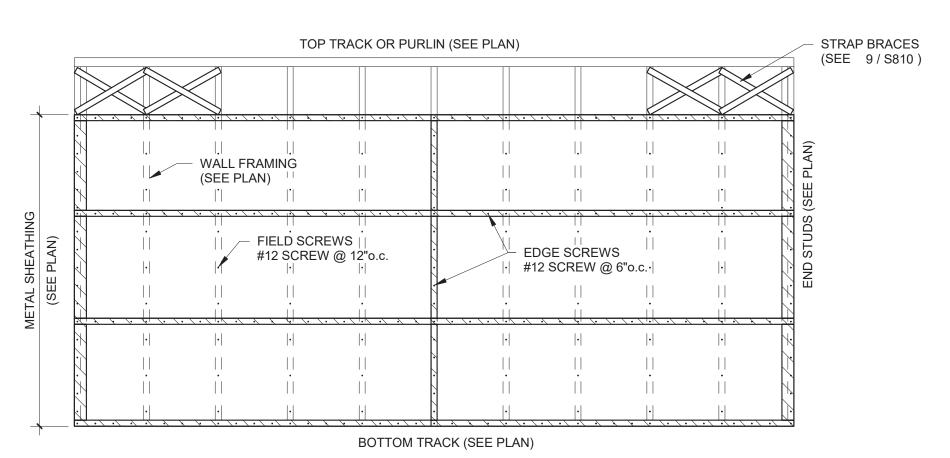


ZEE PURLINS,

6 LOOSE LINTEL SCHEDULE 1 1/2" = 1'-0"	
1 1/2" = 1'-0"	

7	High Roof Brace to Low Roof 1/2" = 1'-0"
1	1/2" = 1'-0"

Section A-A



		Posts w/ (4) #12 x 3/4" Tek Screws
		Post (Per Plan Typ.)
		2" x 16ga Strap Braces
Attach 29ga Partition Panel To Angle w/ (1) #		Wall Length. Lap Splice Where Required At
12 x 3/4" Tek Screws @ 6" o.c. 29ga Partition Panel		Attach Angle To Each Post w/ (2) ———————————————————————————————————
	Ā	

9 Shear Wall X-Strap Above Metal Panel (Top Floor)
3/4" = 1'-0"

Storage Structures Inc. expressly reserves its common law copyright and other property rights in these documents. These documents are considered proprietary information and shall not be copied or modified in any form or manner whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

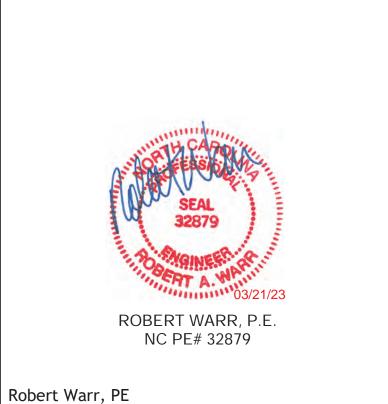
www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546



rwarr@frameworksengineering.com

3590 Fricks Road Marietta, GA 30062

(678) 310-9191

Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S810 Details

8 Shear Wall Attachment 3/8" = 1'-0"

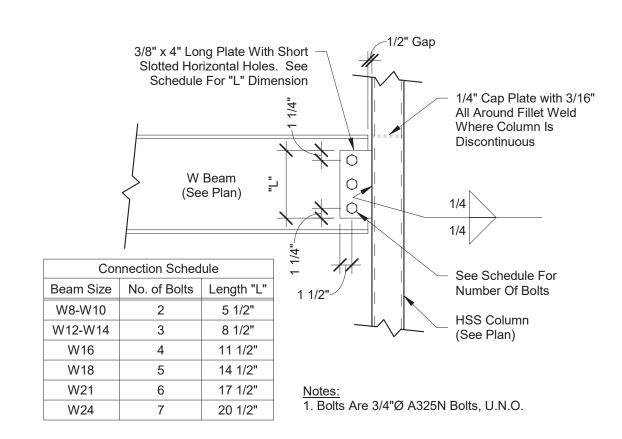
5 Box Header Detail 1 1/2" = 1'-0"

── Roof Purlin *─* (Per Plan Typ.)

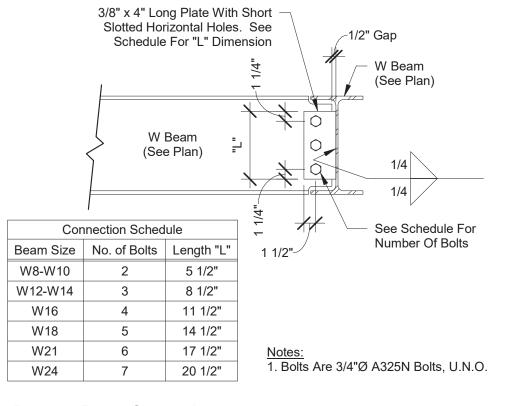
Attach Post To Purlin w/ (3)

#12 x 3/4" Tek Screws

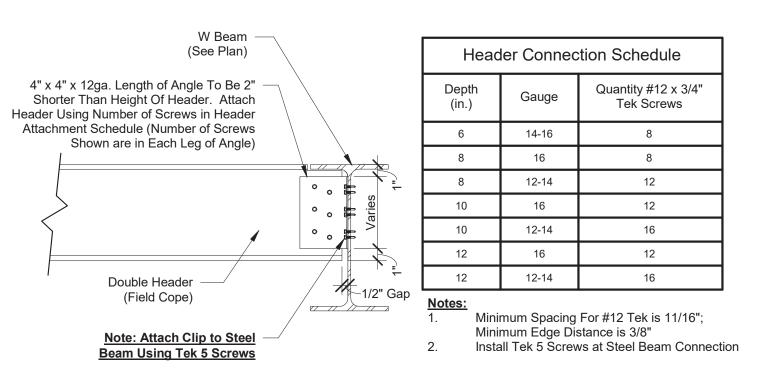
Attach Each End of Brace To



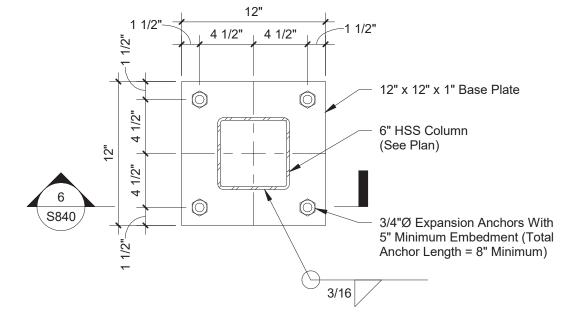
1 Beam to HSS Column Connection
1" = 1'-0"



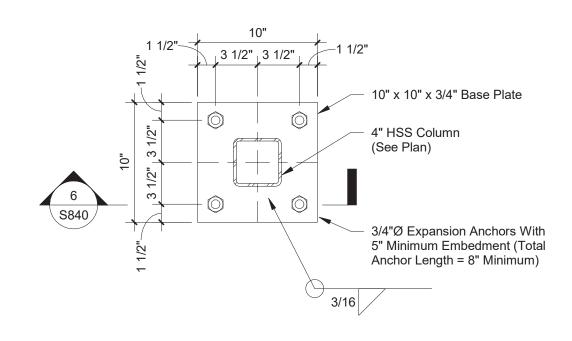
Beam to Beam Connection
1" = 1'-0"



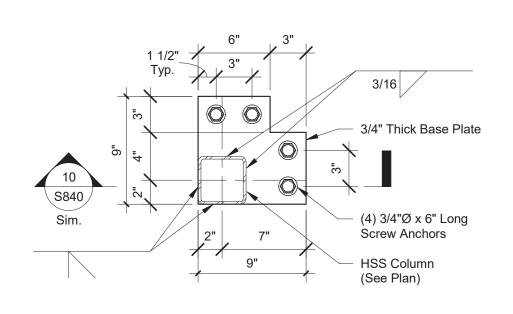
3 Header To Beam Connection
1 1/2" = 1'-0"



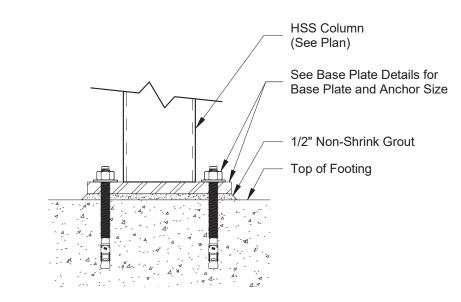
4 12" x 12" Base Plate 1 1/2" = 1'-0"



5 10" x 10" Base Plate 1 1/2" = 1'-0"



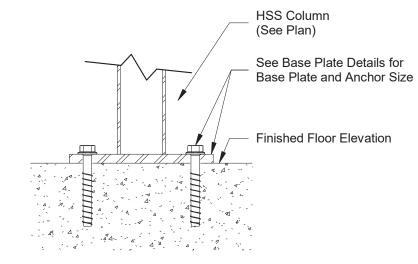
9 Base Plate Corner 4-Hole Offset 1 1/2" = 1'-0"



Provide Anchor Rod Holes Conforming to Table 14-2 in AISC Steel Construction Manual

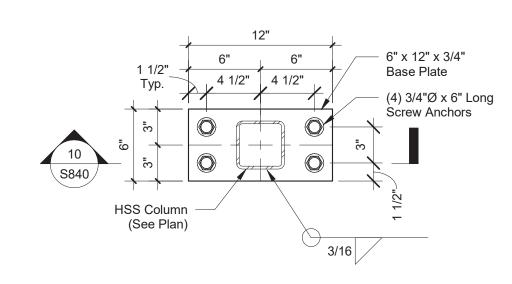


6 Grouted Base Plate Assembly 1 1/2" = 1'-0"

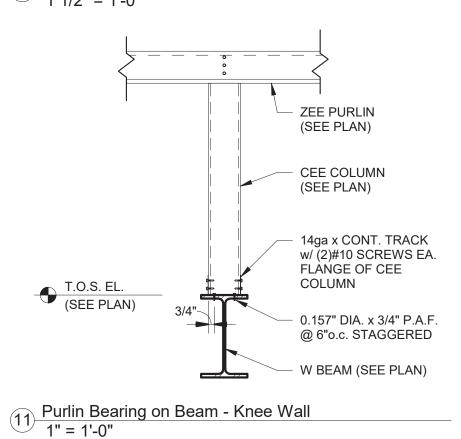


Provide Anchor Rod Holes Conforming to Table 14-2 in AISC Steel Construction Manual

10 F.F.E. Base Plate
1 1/2" = 1'-0"

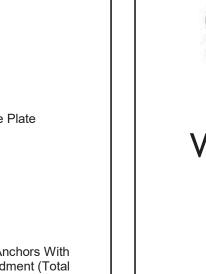


7 6" x 12" Base Plate (HSS Centered) 1 1/2" = 1'-0"



____ 6" x 12" x 3/4" Base Plate (4) 3/4"Ø x 6" Long Screw Anchors HSS Column (See Plan)

8 6" x 12" Base Plate (HSS Offset) 1 1/2" = 1'-0"



Villa Rica, Ga 30180 PHONE: 770-456-1602

TOLL FREE: 877-456-1602

FAX: 770-456-1662

3807 Hwy 61

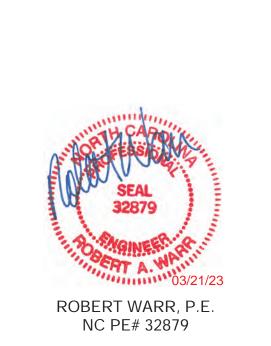
www.storagestructuresinc.com

Rev.	Revision Date	Revision Description

Robert High Development LILLINGTON **STORAGE**

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546

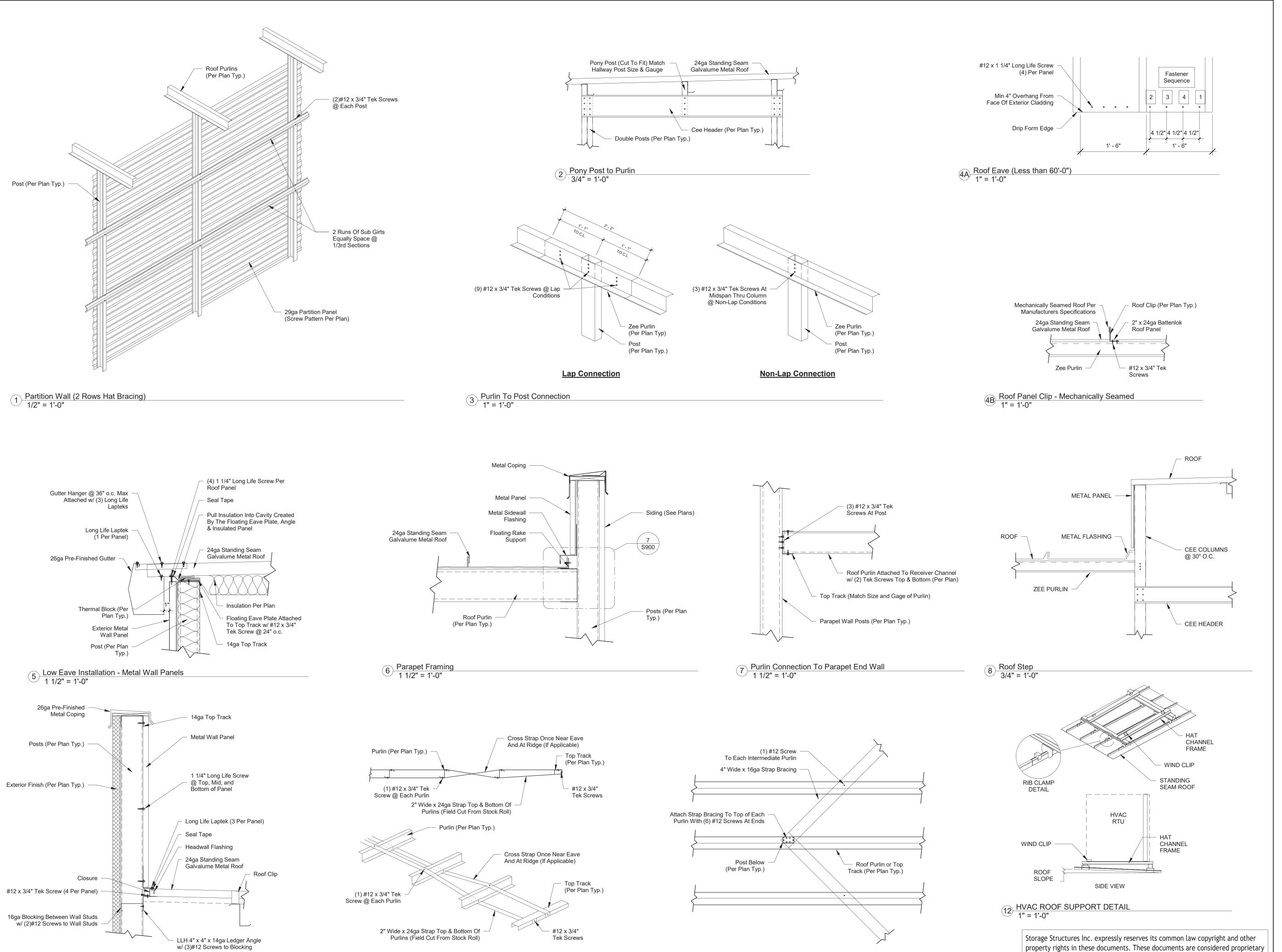


Robert Warr, PE 3590 Fricks Road Marietta, GA 30062 (678) 310-9191 rwarr@frameworksengineering.com

Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S840 Steel Details

Storage Structures Inc. expressly reserves its common law copyright and other property rights in these documents. These documents are considered proprietary information and shall not be copied or modified in any form or manner whatsoever nor are they to be assigned to any third party without first obtaining the express written permission and consent from Storage Structures Inc.



Roof Strap Bracing
3/4" = 1'-0"

Purlin Midbay Strapping @ Non-Structural Pier Condition 1/2" = 1'-0"

9 Parapet @ High Roof 1" = 1'-0"



3807 Hwy 61 Villa Rica, Ga 30180

> PHONE: 770-456-1602 TOLL FREE: 877-456-1602 FAX: 770-456-1662

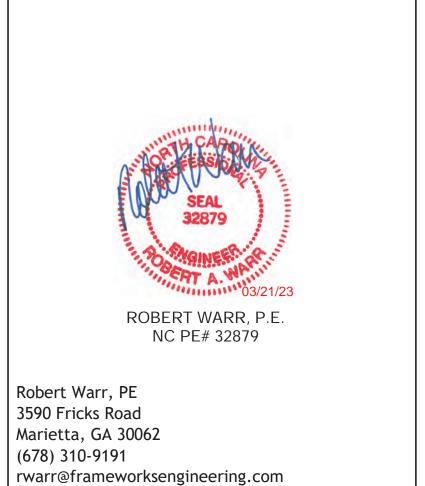
www.storagestructuresinc.com

Rev. #	Revision Date	Revision Description

Robert High Development LILLINGTON STORAGE

PHASE I - BUILDING 1

1781 N MAIN STREET LILLINGTON, NC 27546



Project Number	FE2203556-0
Issue Date	07-14-2022
Drawn By	EM
Checked By	RW
Engineered By	AD

S900
Roofing Details

information and shall not be copied or modified in any form or manner

the express written permission and consent from Storage Structures Inc.

whatsoever nor are they to be assigned to any third party without first obtaining





LILLINGTON STORAGE
PHASE I - BUILDING 1
ROBERT HIGH DEVELOPMENT
1781 N MAIN STREET,
LILLINGTON, NC 27546

A N PL, EDGE **SLAB**(1) 09/19/2022
(2) 03/07/2023

A1.0

© 2022 CHA ALL RIGHTS RESERVED

Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project (including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or related thereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vested right, title or interest in or to any of the Plans and Specifications or any patents (issued or pending), trademarks, service marks, trade names, copyrights, licenses, licensed or other proprietary rights of RHD or any such rights granted by third parties or other

her proprietary rights of RHD or any such rights granted by third parties or other ofessionals to RHD.

The Plans and Specifications and any contents of any documents or information embodied therein or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

SLAB EDGE PLAN A1.08 3/32"

PROJECT NORTH

A R R I I E C T U R E

MILMINGTON, NC 28403

910.793.3433



NGTON STORAGE
PHASE I - BUILDING 1
ROBERT HIGH DEVELOPMENT

LILLINGTON STO
PHASE I - B
ROBERT HIGH DEVE

FLOOR PLAN

1 09/19/2022 Plan Check Response
2 03/07/2023 Plan Check Response

© 2022 CHA ALL RIGHTS RESERVED

FLOOR P

(1) 09/19/2022 Plan C

(2) 03/07/2023 Plan C

4" metal stud wall

4" metal stud wall with batt insulation

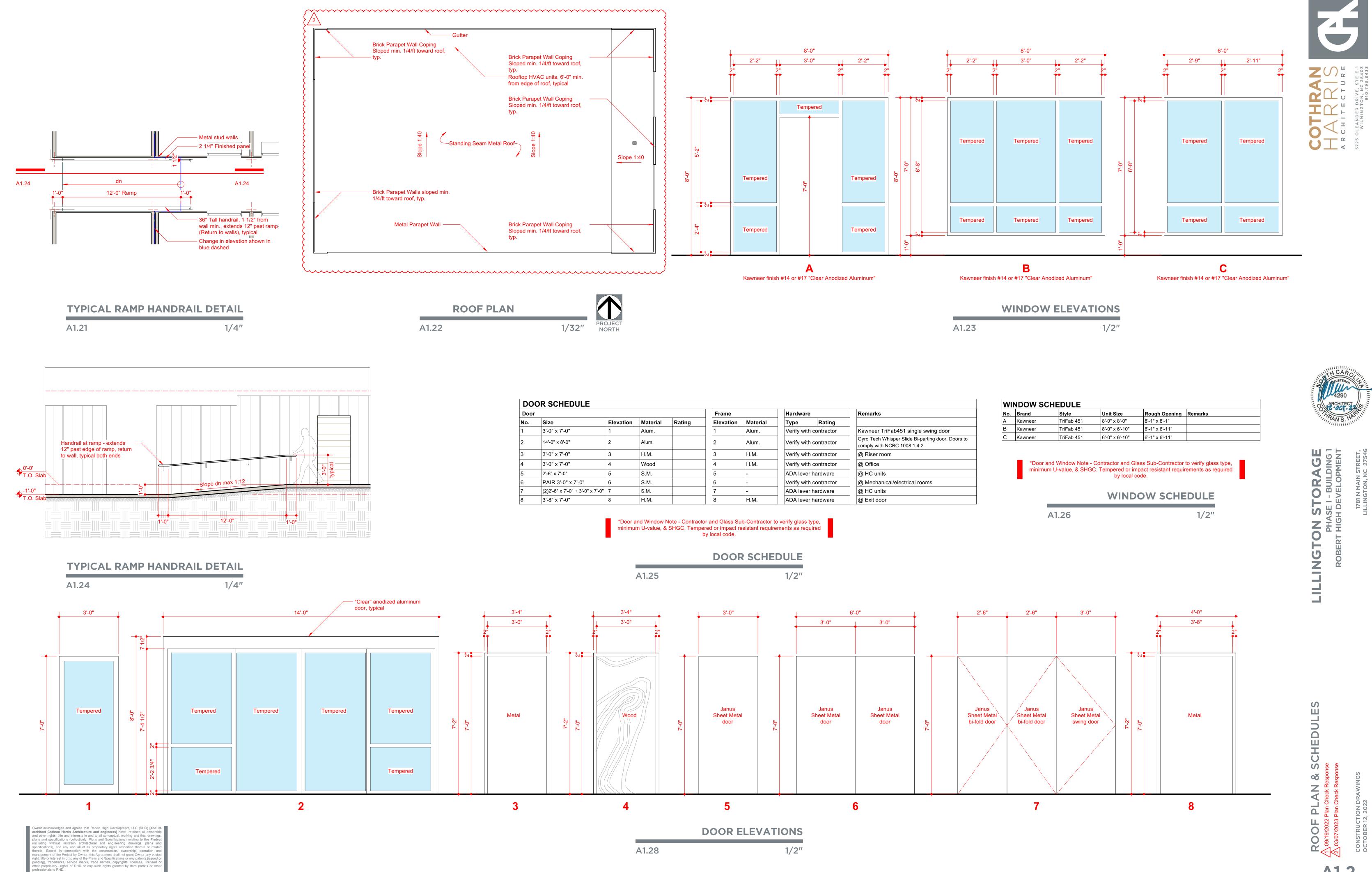
4" metal stud wall with brick veneer

NOTE: All exterior walls to be insulated R-13 Min. U.O.N.

A1.18

plans and specifications (collectively, Plans and Specifications) relating to the Project including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or relative hereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vesteright, title or interest in or to any of the Plans and Specifications or any patents (issued oberding), trademarks, service marks, trade names, copyrights, licenses, licensed of other proprietary rights of RHD or any such rights granted by third parties or other professionals to RHD.

The Plans and Specifications and any contents of any documents or information embodied therein or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.



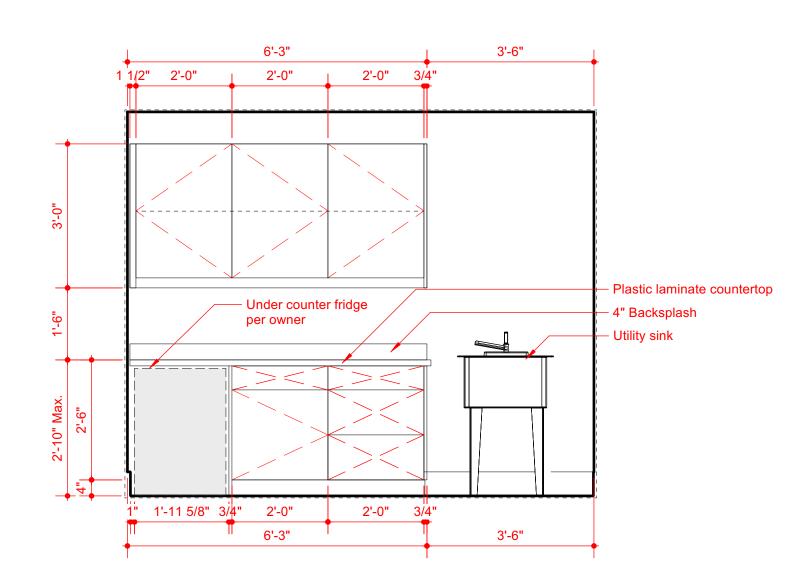
The Plans and Specifications and any contents of any documents or information in the Plans and Specifications and any contents of any documents or information or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

A1.2

© 2022 CHA ALL RIGHTS RESERVED

FINISH SCHEDULE

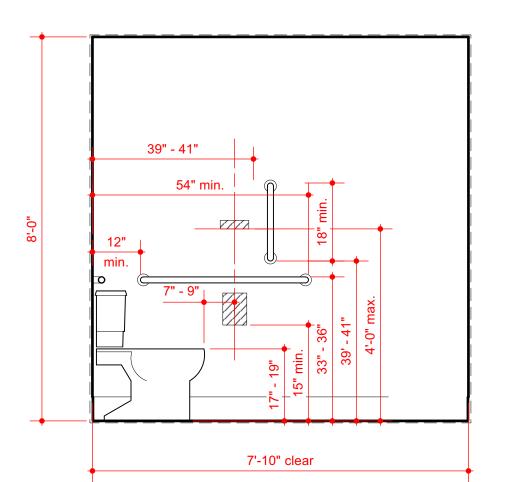
A1.33 N/A

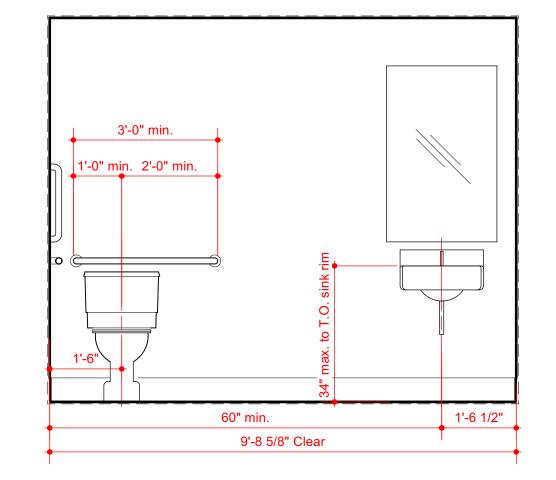


INT.ELEVATIONS - JANITORIAL

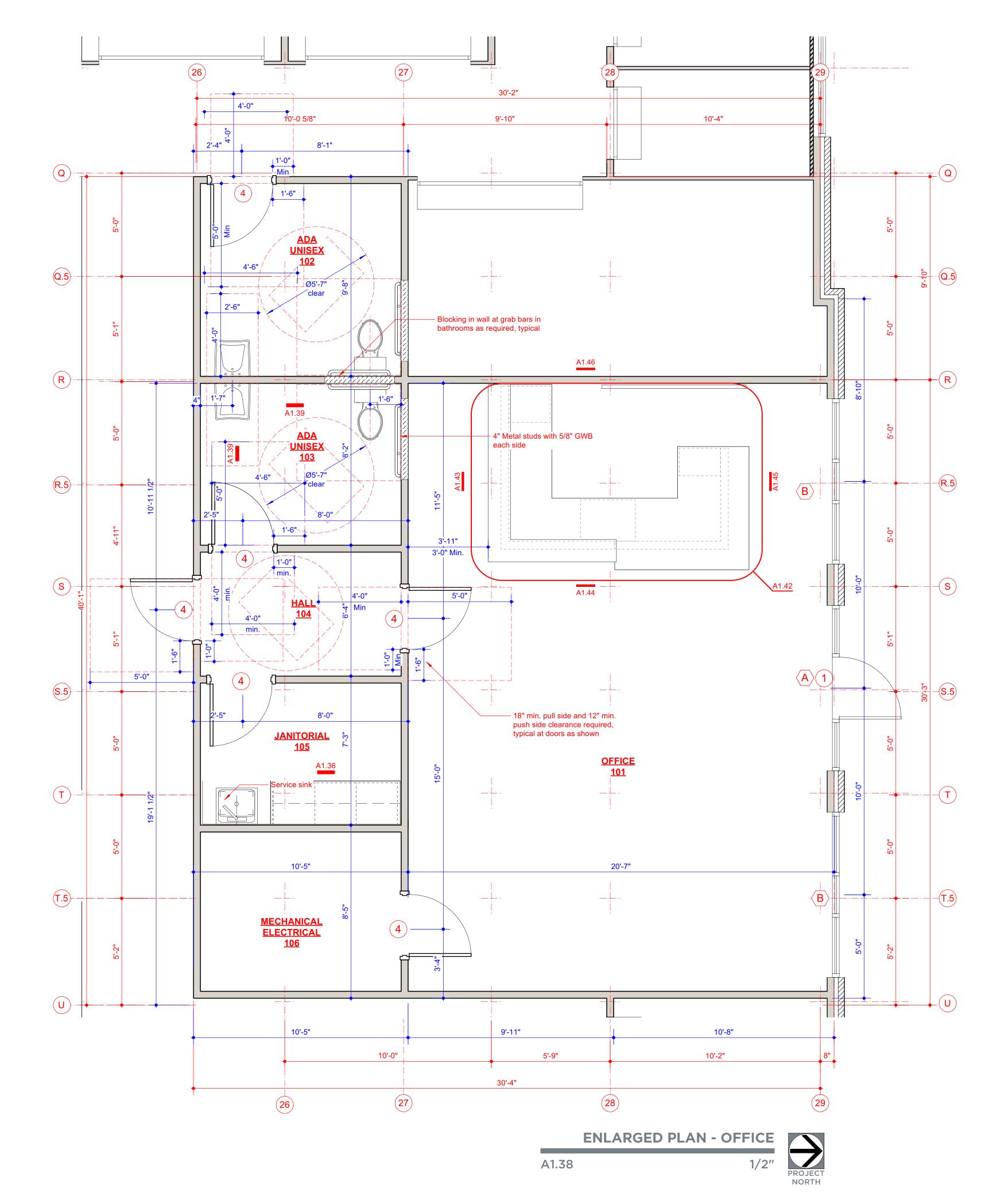
1/2"

A1.36





INT.ELEVATIONS - UNISEX A1.39



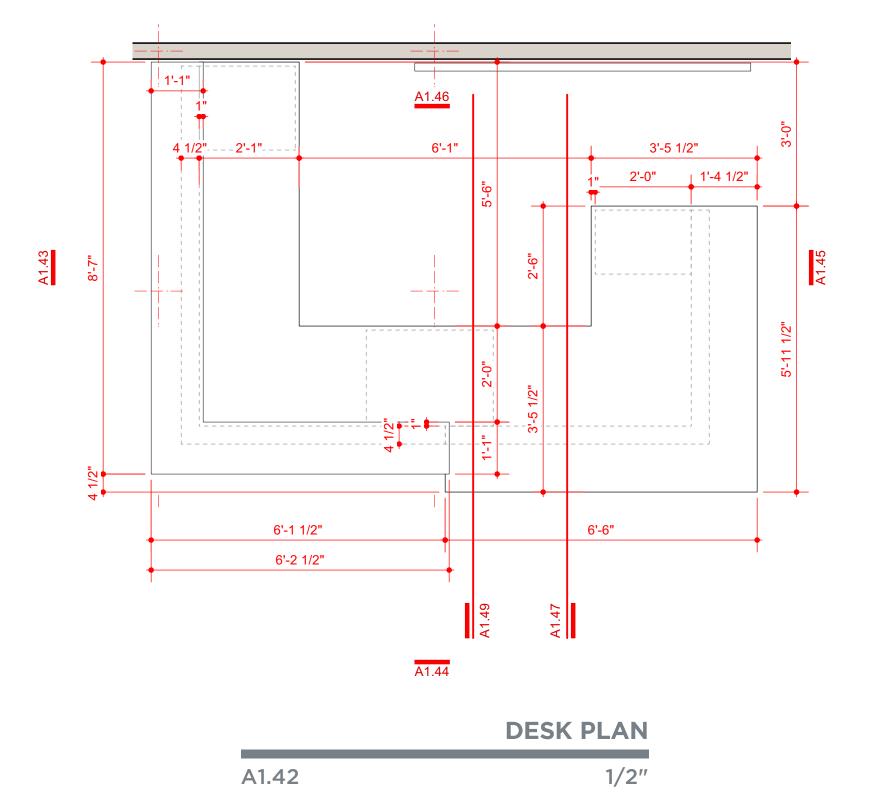
Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project (including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or related thereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vested right, title or interest in or to any of the Plans and Specifications or any patents (issued or pending), trademarks, service marks, trade names, copyrights, licenses, licensed or other proprietary rights of RHD or any such rights granted by third parties or other professionals to RHD. The Plans and Specifications and any contents of any documents or information in the produced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

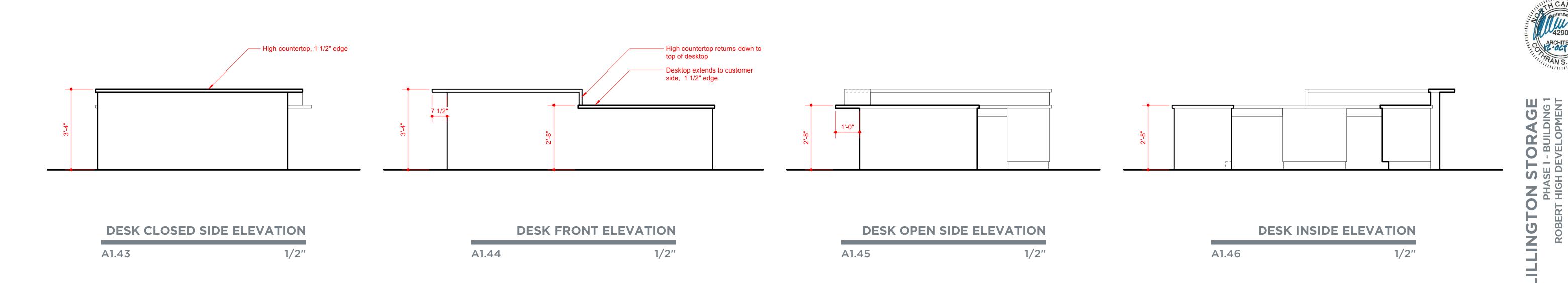
A1.3 © 2022 CHA ALL RIGHTS RESERVED

PHASE I - BUILDING 1
ROBERT HIGH DEVELOPMENT
1781 N MAIN STREET,
LILLINGTON, NC 27546

ENLARGED OFFICE



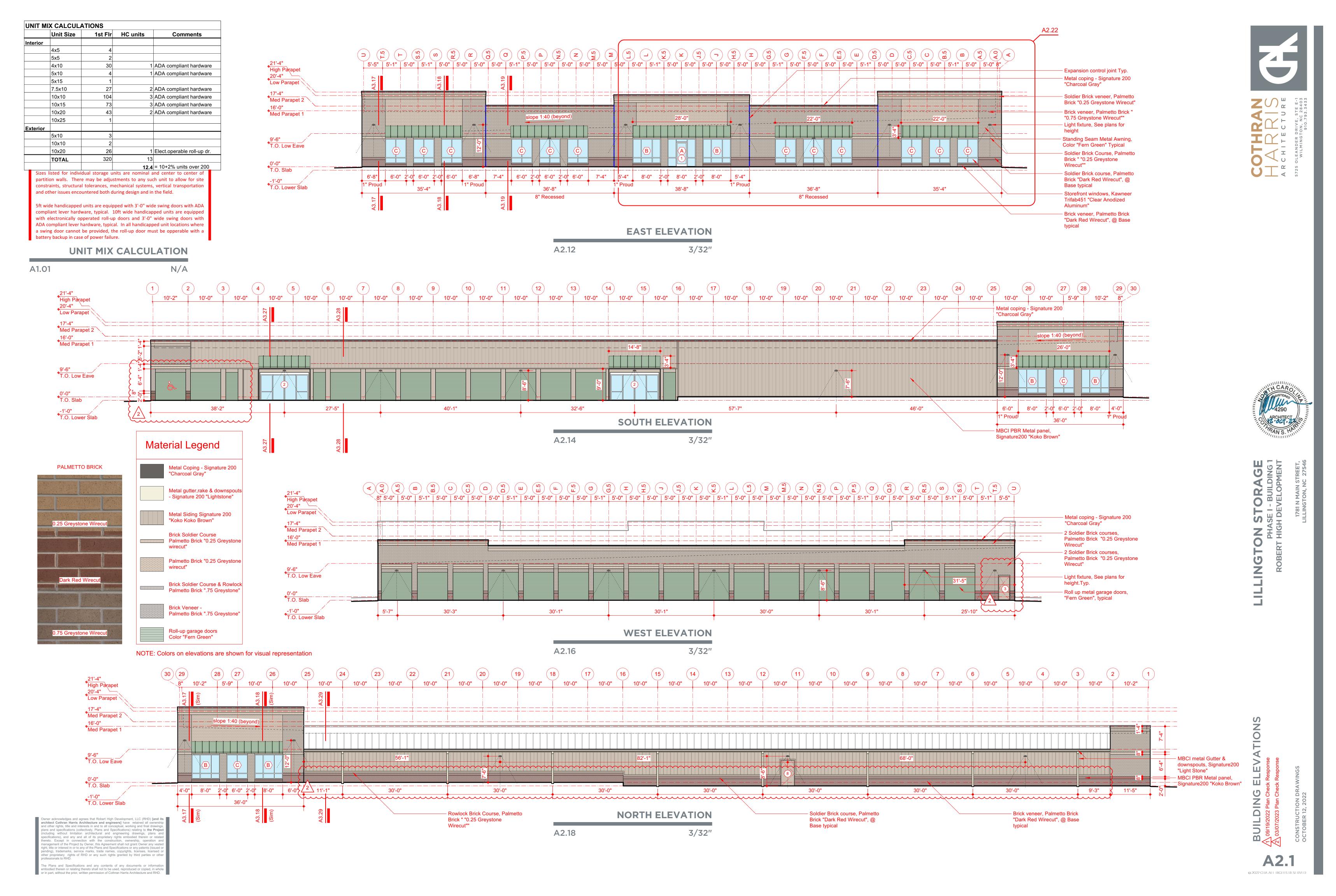


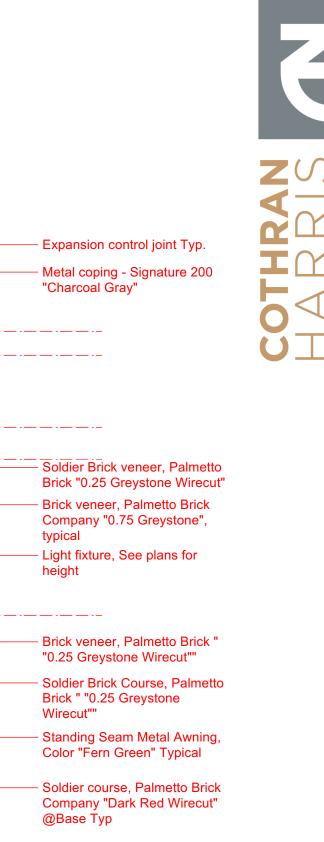




Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project (including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or related thereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vested right, title or interest in or to any of the Plans and Specifications or any patents (issued or pending), trademarks, service marks, trade names, copyrights, licenses, licensed or other proprietary rights of RHD or any such rights granted by third parties or other professionals to RHD. The Plans and Specifications and any contents of any documents or information embodied therein or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

A1.4 © 2022 CHA ALL RIGHTS RESERVED



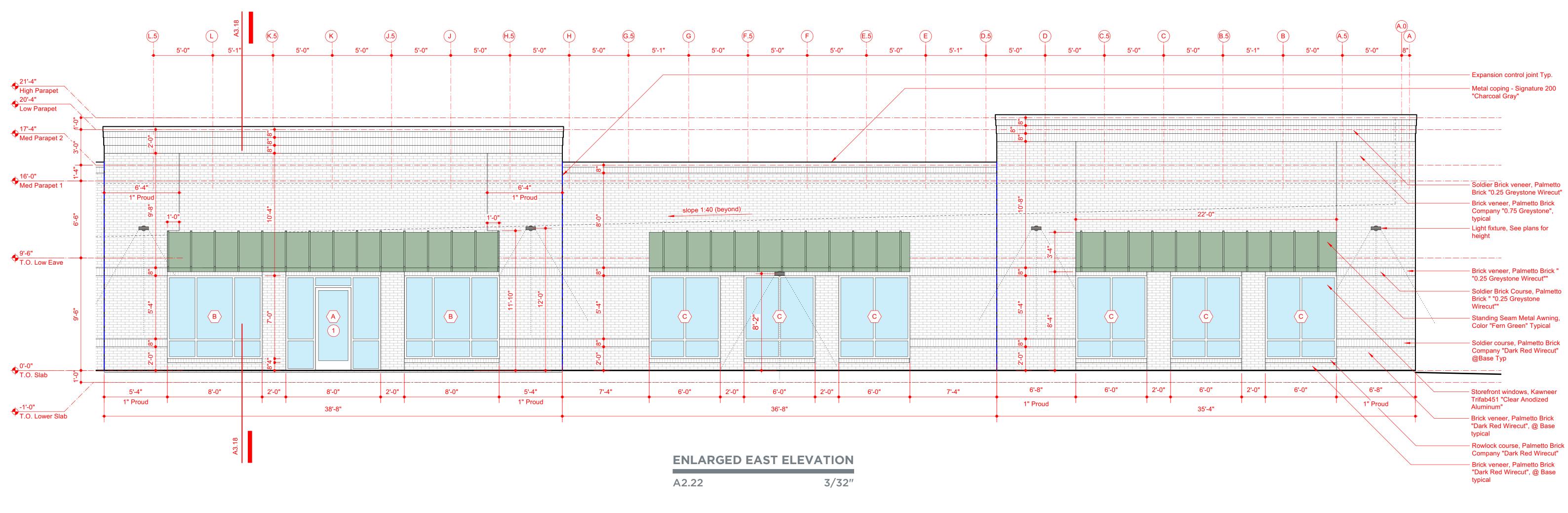


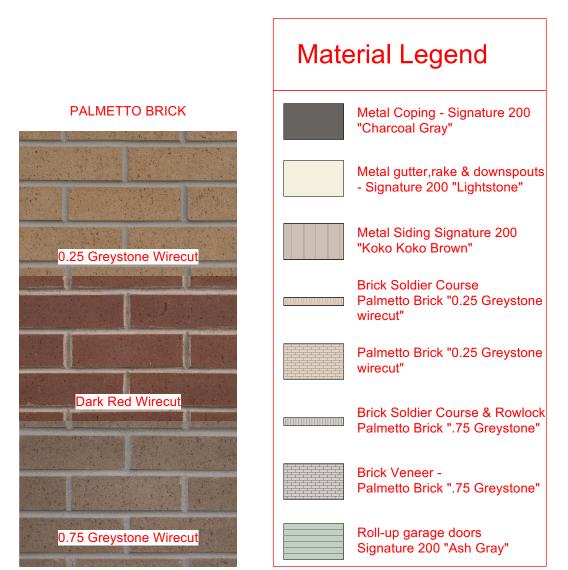


DN STORAGE
PHASE I - BUILDING 1
I HIGH DEVELOPMENT
1781 N MAIN STREET,
LILLINGTON, NC 27546

LINGTON =

ELEVATION ENLARGED I

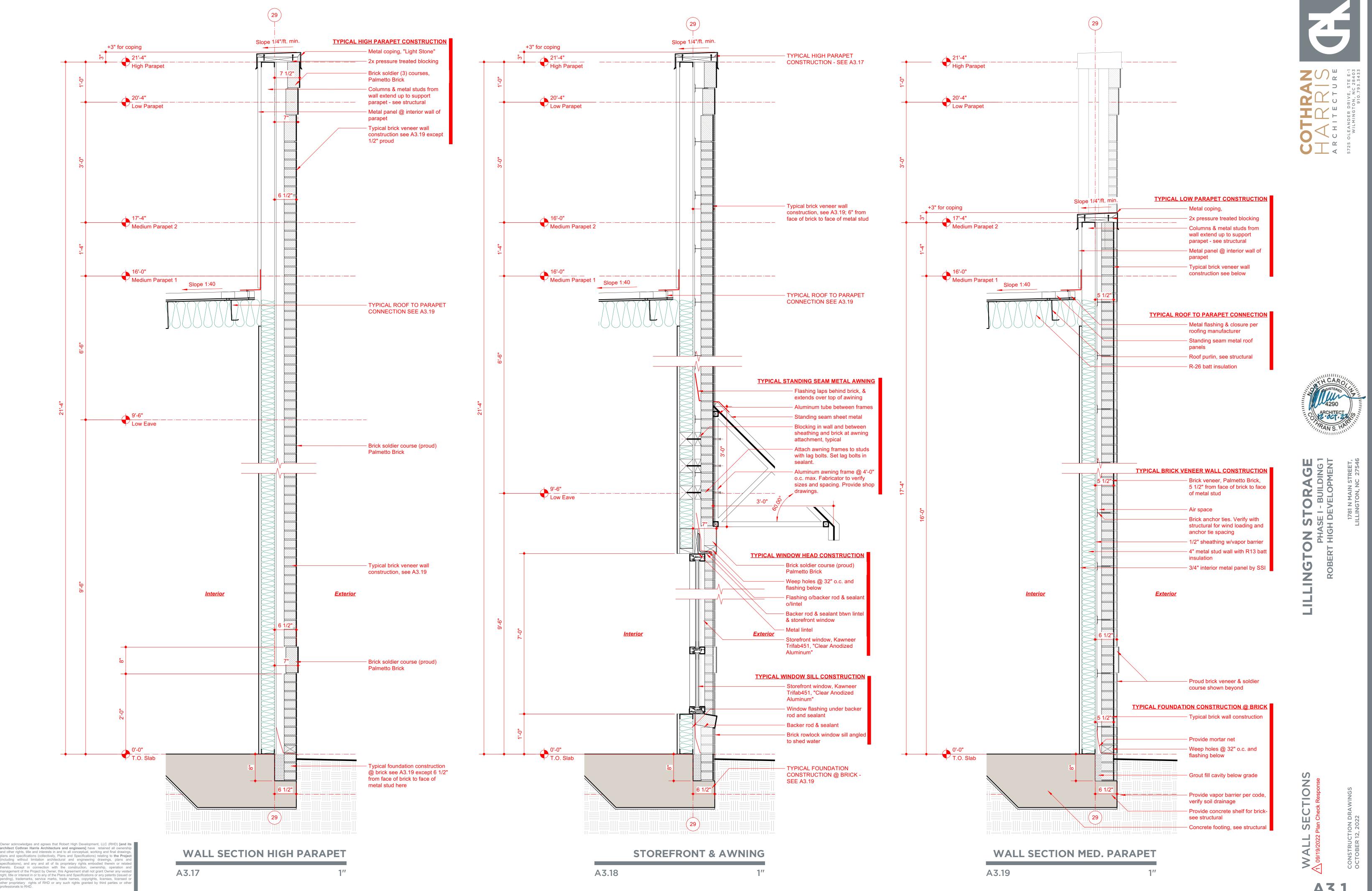




NOTE: Colors on elevations are shown for visual representation

Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project (including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or related thereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vested right, title or interest in or to any of the Plans and Specifications or any patents (issued or pending), trademarks, service marks, trade names, copyrights, licenses, licensed or other proprietary rights of RHD or any such rights granted by third parties or other professionals to RHD.

The Plans and Specifications and any contents of any documents or information embodied therein or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

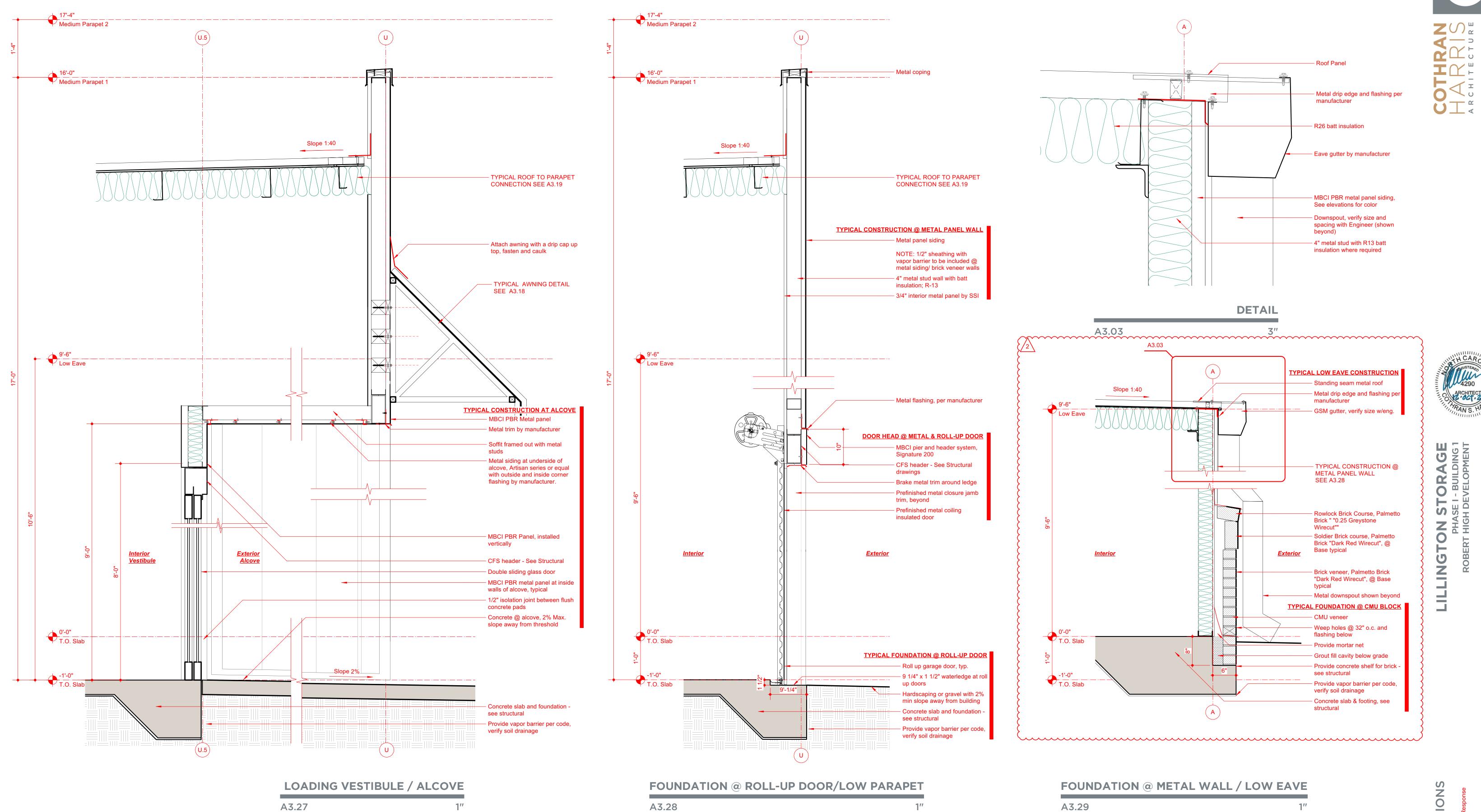


ding), trademarks, service marks, trade names, copyrights, licenses, licensed or er proprietary rights of RHD or any such rights granted by third parties or other

ne Plans and Specifications and any contents of any documents or information abodied therein or relating thereto shall not to be used, reproduced or copied, in whole in part, without the prior, written permission of Cothran Harris Architecture and RHD.

A3.1

© 2022 CHA ALL RIGHTS RESERVED



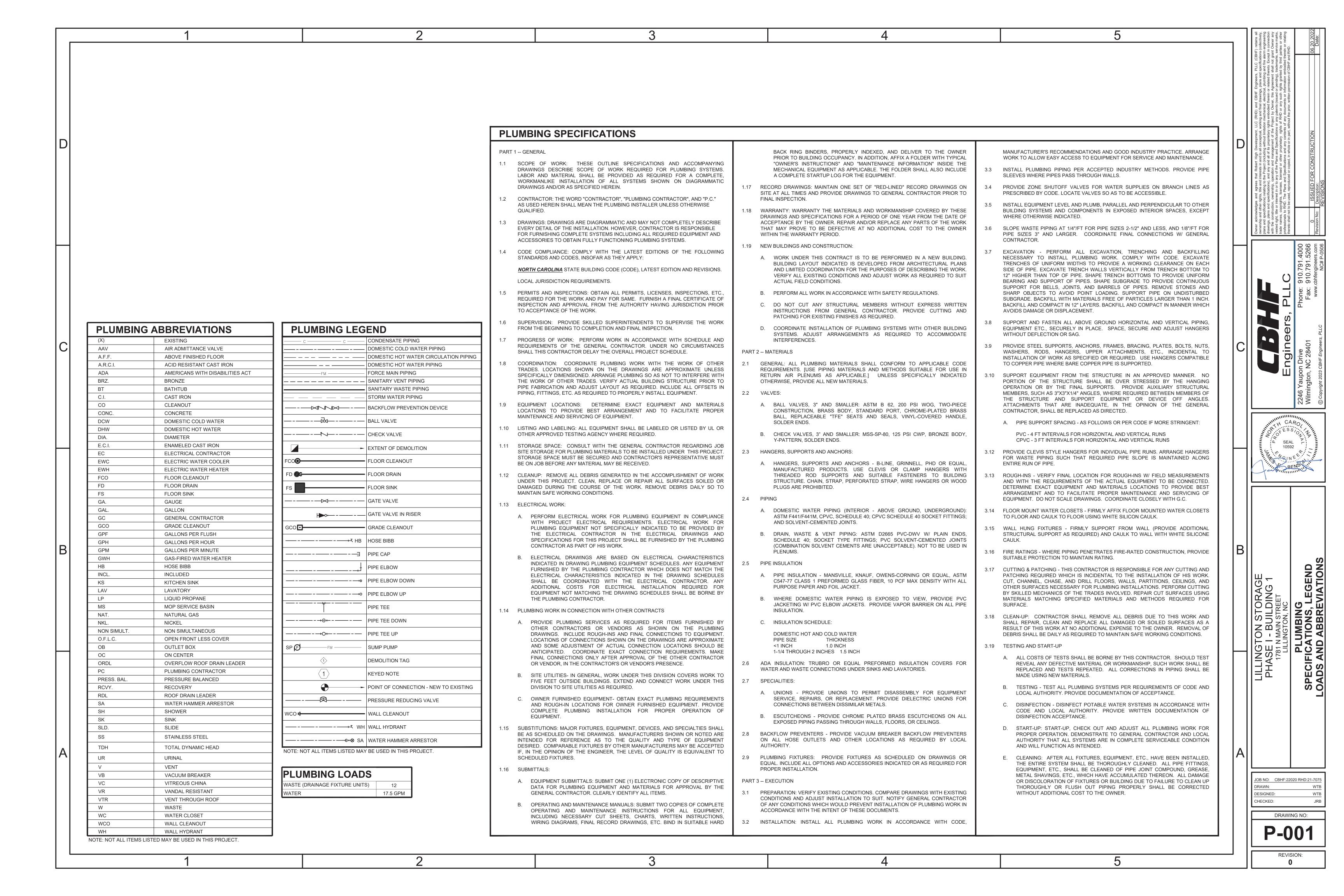
WALL SECTIONS

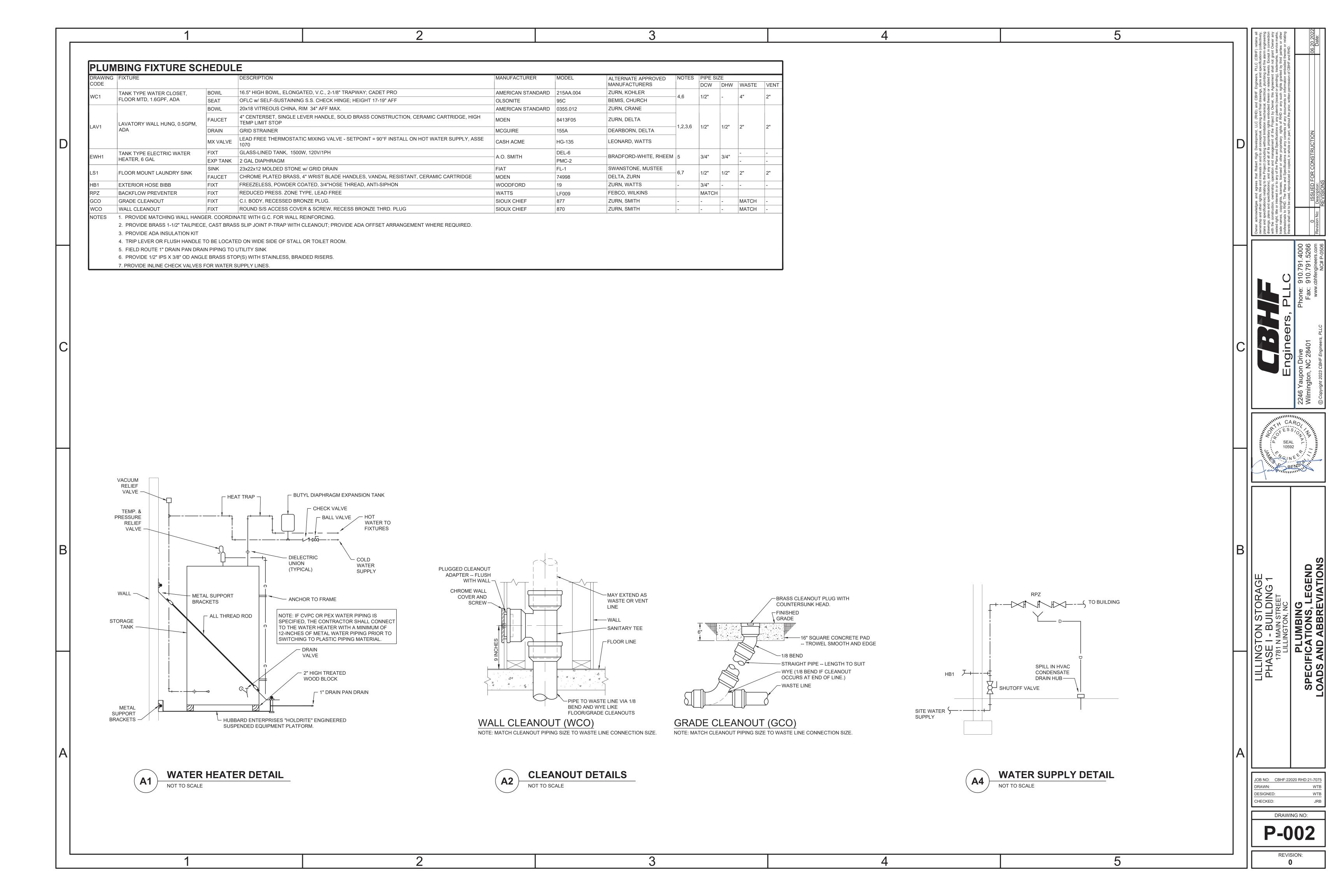
2 03/07/2023 Plan Check Response

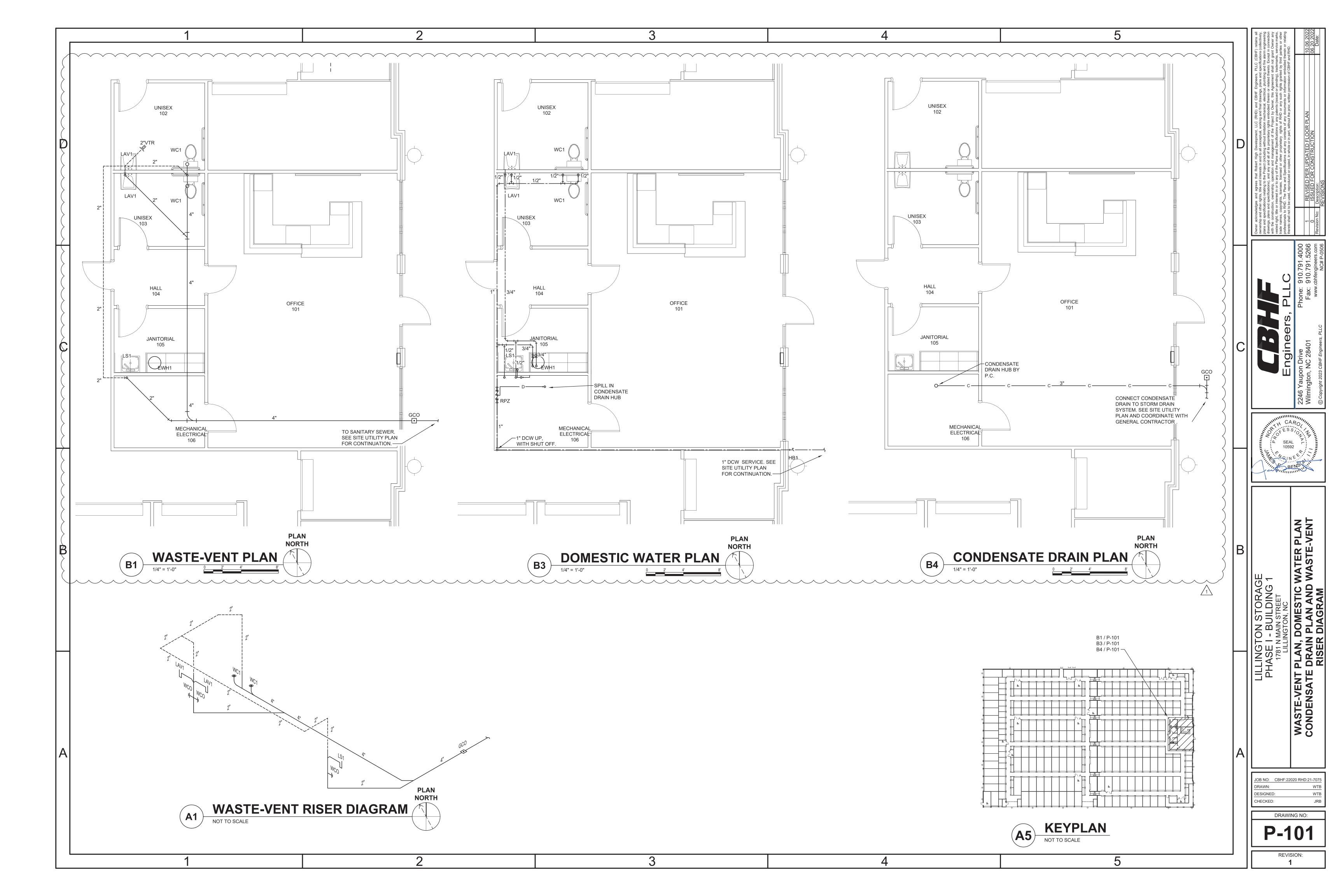
CONSTRUCTION DRAWINGS

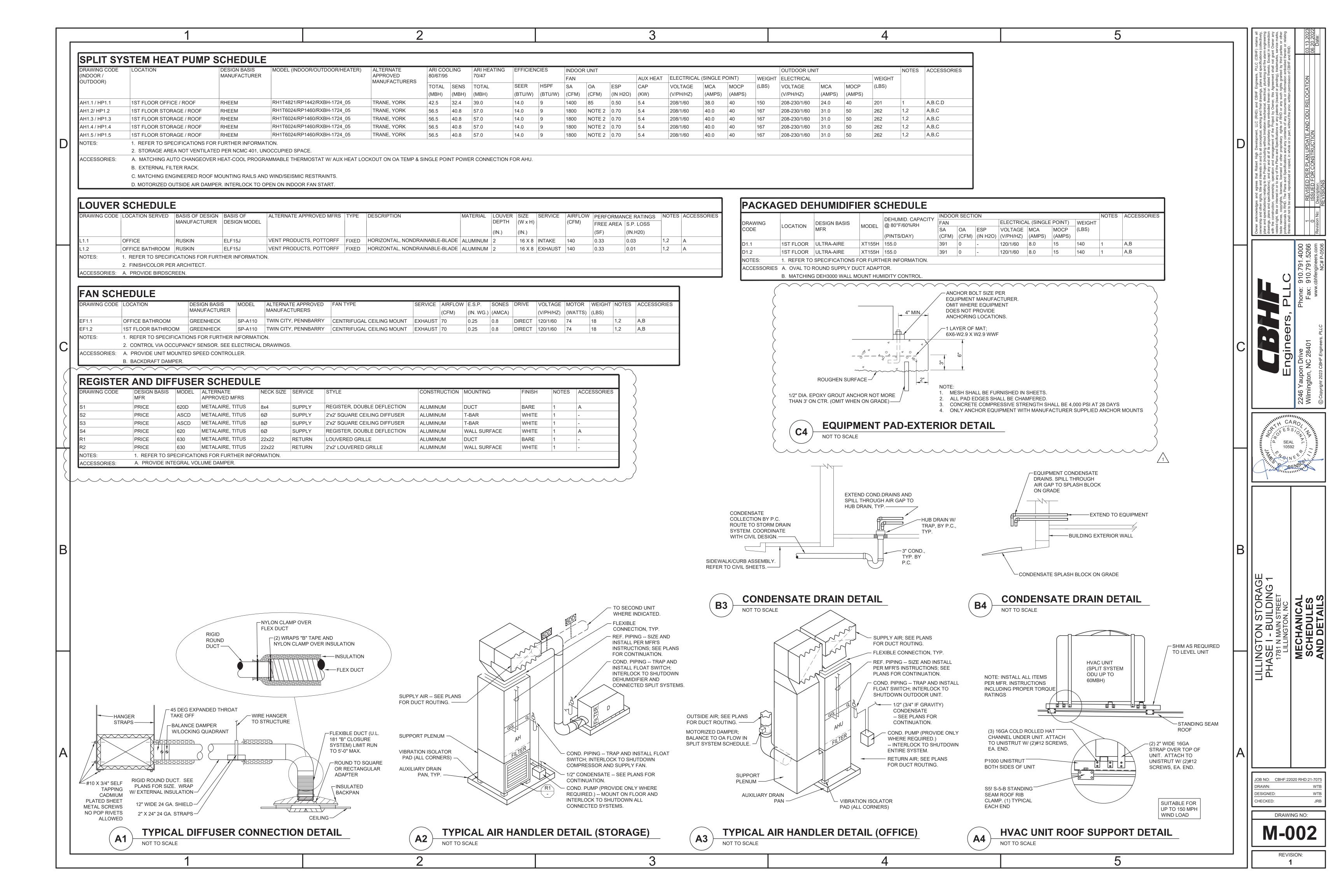
Owner acknowledges and agrees that Robert High Development, LLC (RHD) [and its architect Cothran Harris Architecture and engineers] have retained all ownership and other rights, title and interests in and to all conceptual, working and final drawings, plans and specifications (collectively, Plans and Specifications) relating to the Project (including without limitation architectural and engineering drawings, plans and specifications), and any and all of its proprietary rights embodied therein or related thereto. Except in connection with the construction, ownership, operation and management of the Project by Owner, this Agreement shall not grant Owner any vested right, title or interest in or to any of the Plans and Specifications or any patents (issued or pending), trademarks, service marks, trade names, copyrights, licenses, licensed or other proprietary rights of RHD or any such rights granted by third parties or other professionals to RHD.

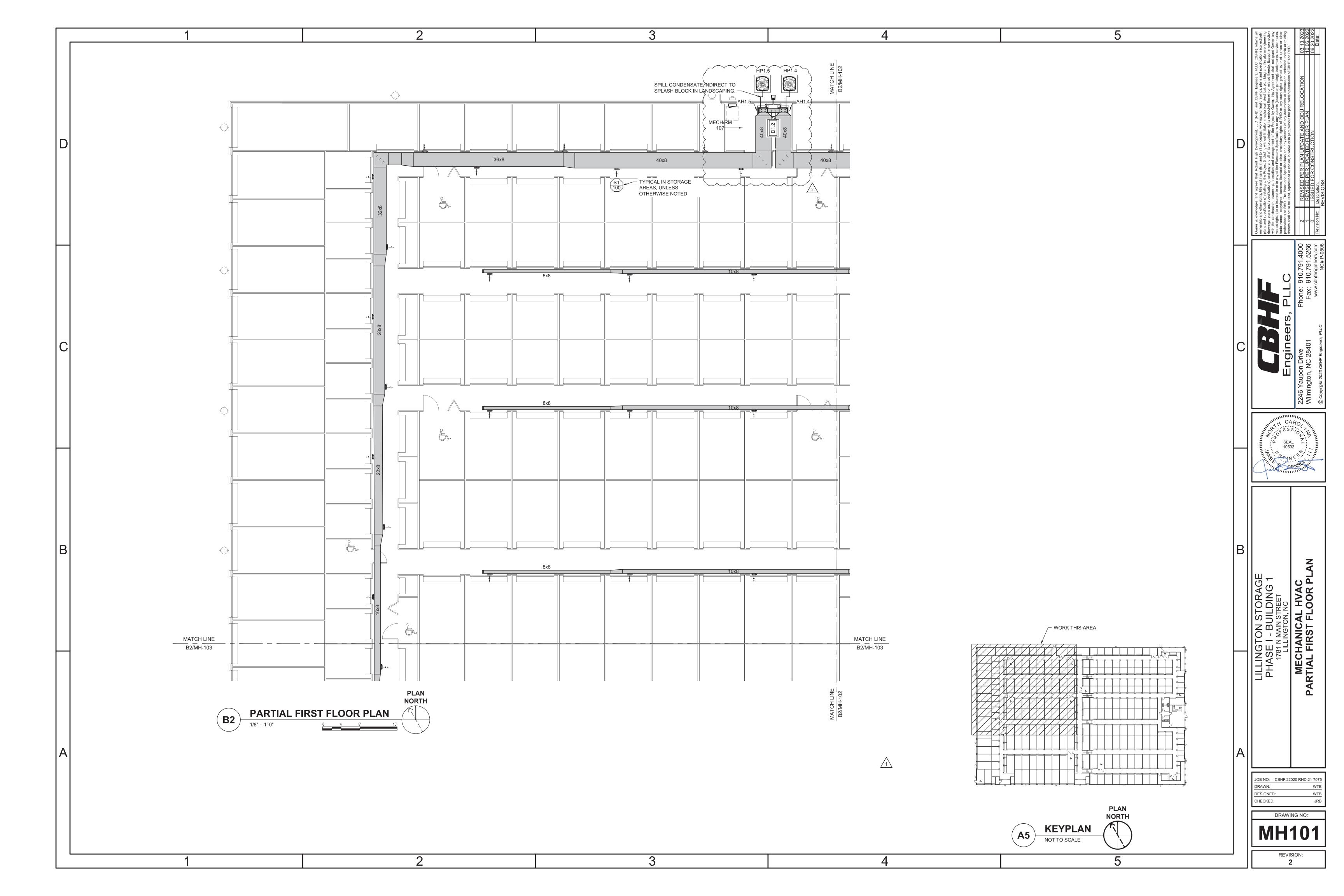
The Plans and Specifications and any contents of any documents or information embodied therein or relating thereto shall not to be used, reproduced or copied, in whole or in part, without the prior, written permission of Cothran Harris Architecture and RHD.

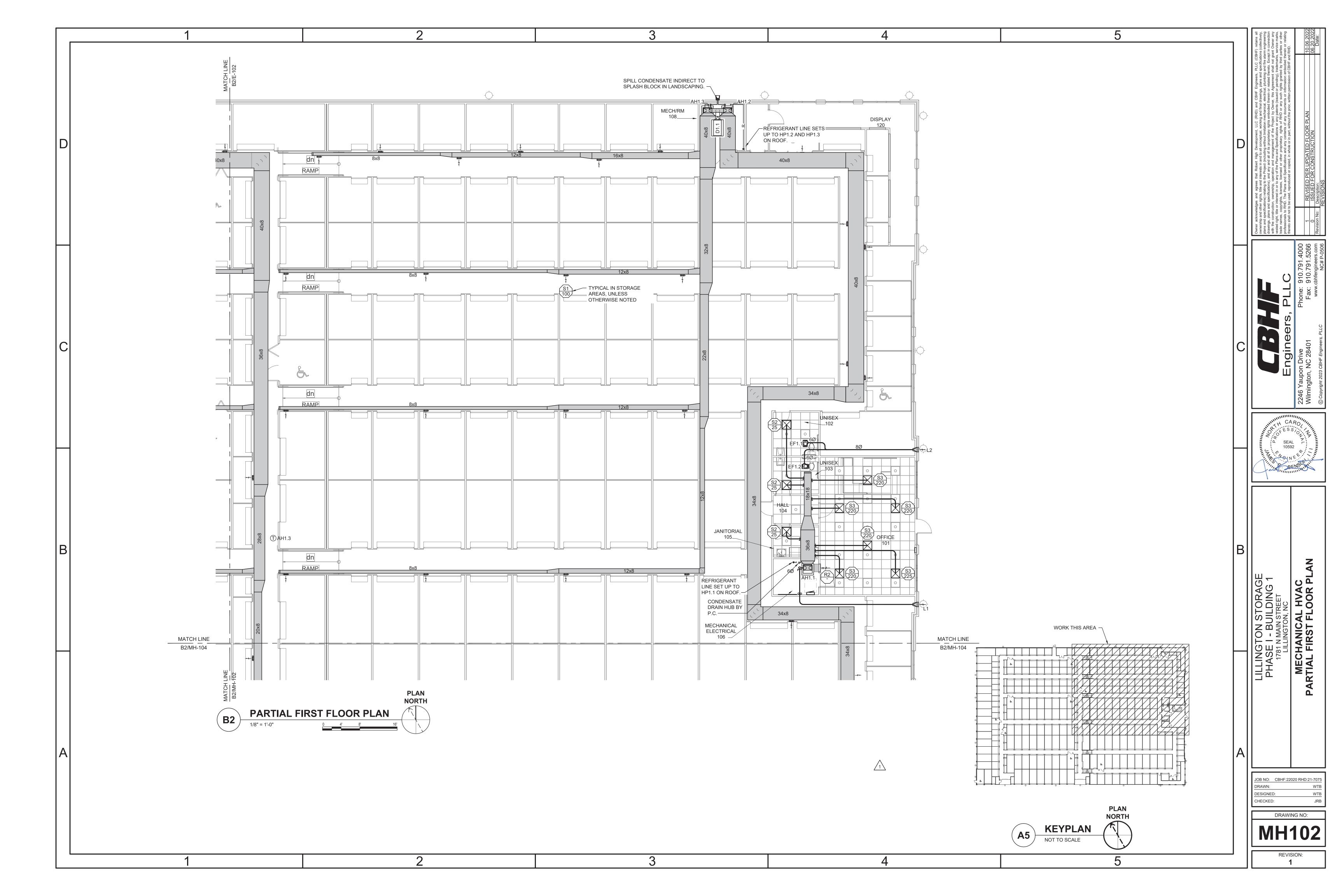


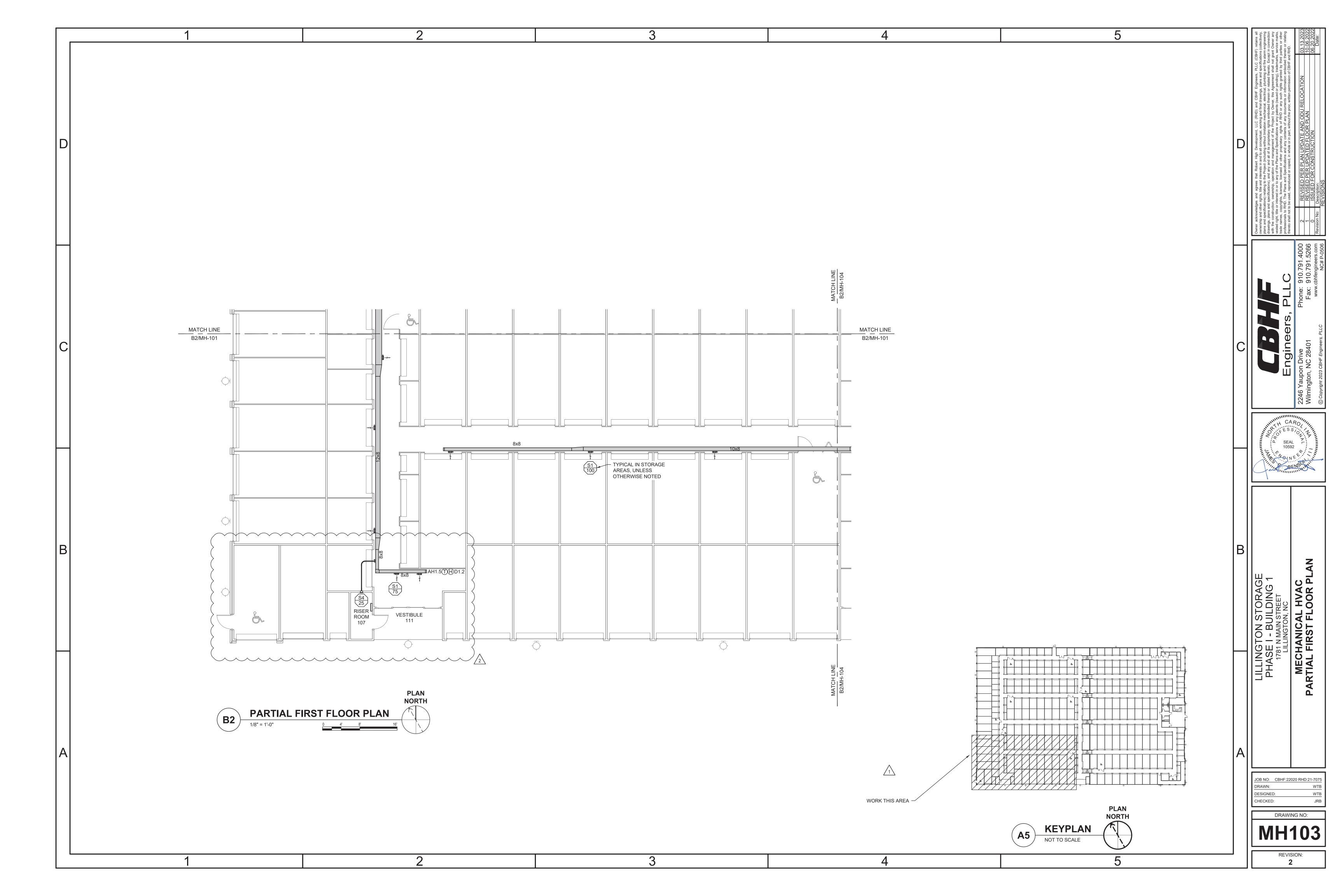


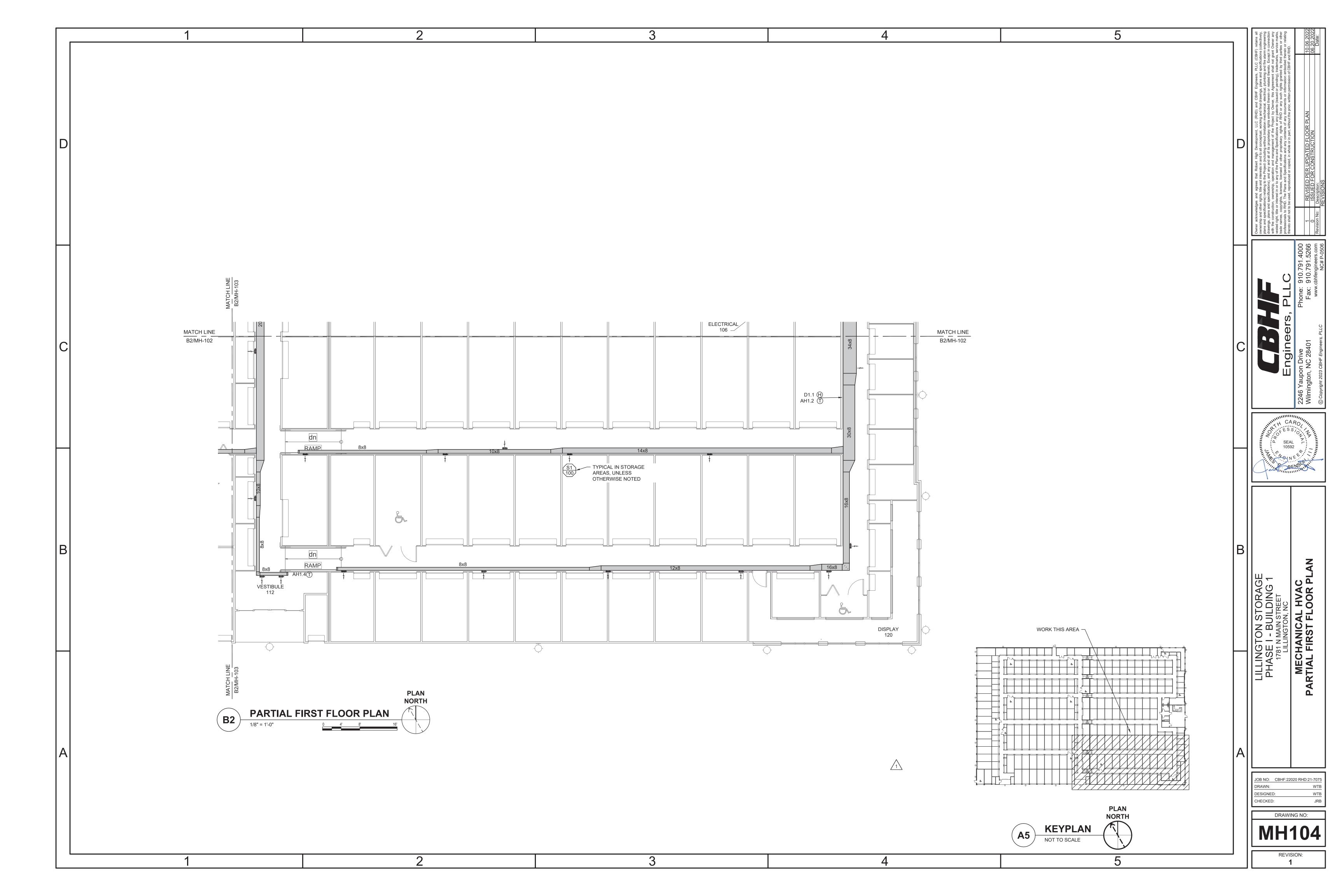


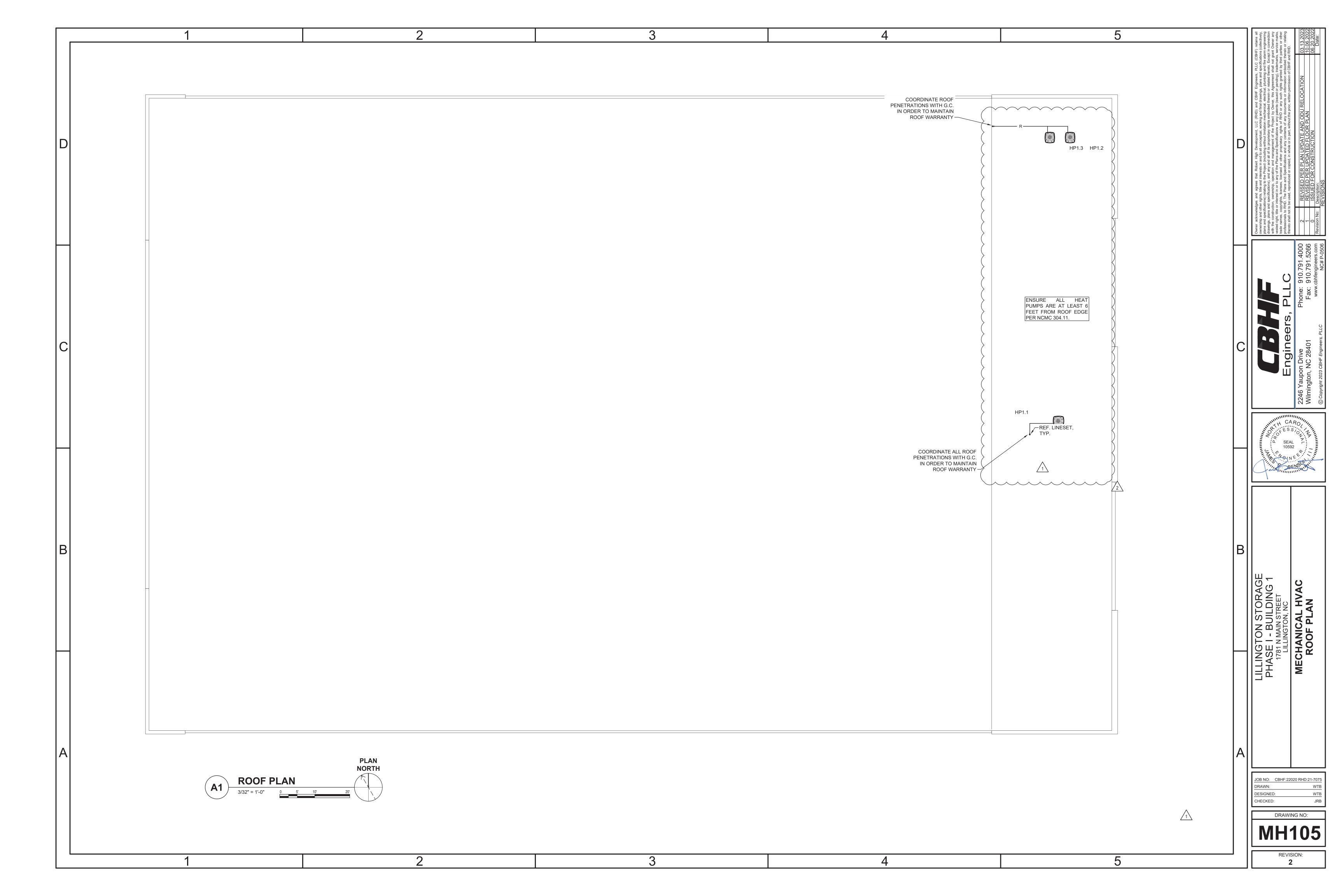


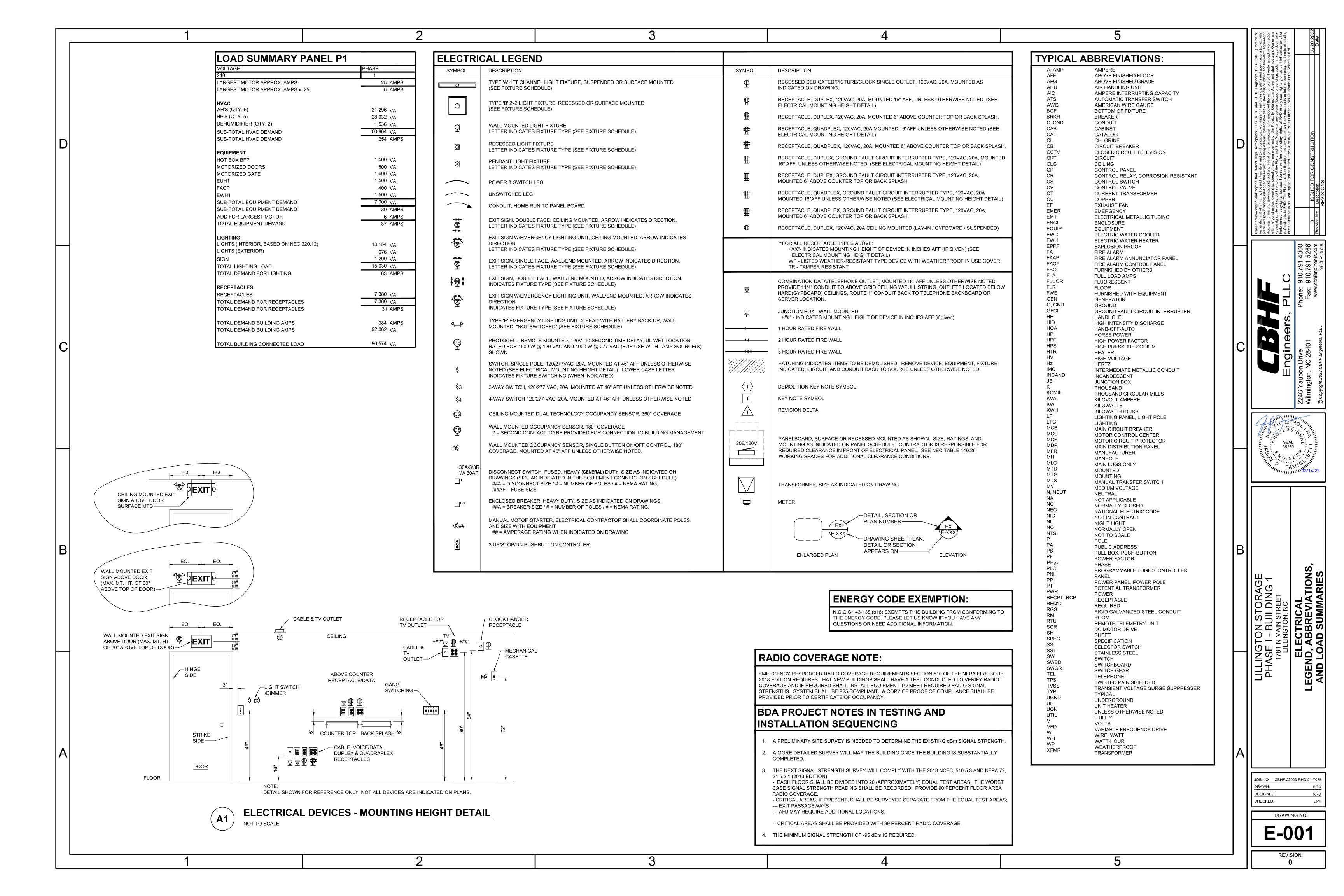


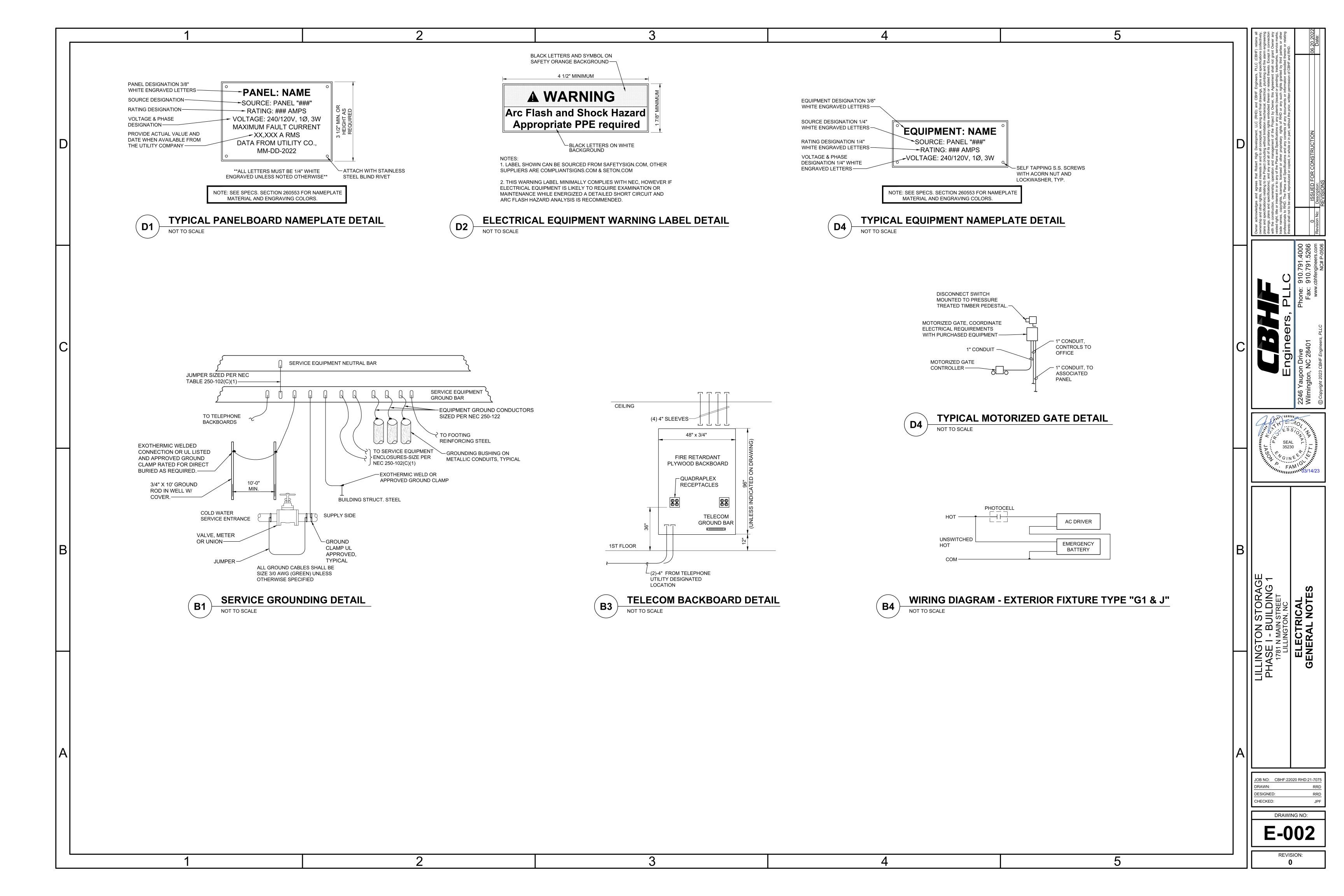


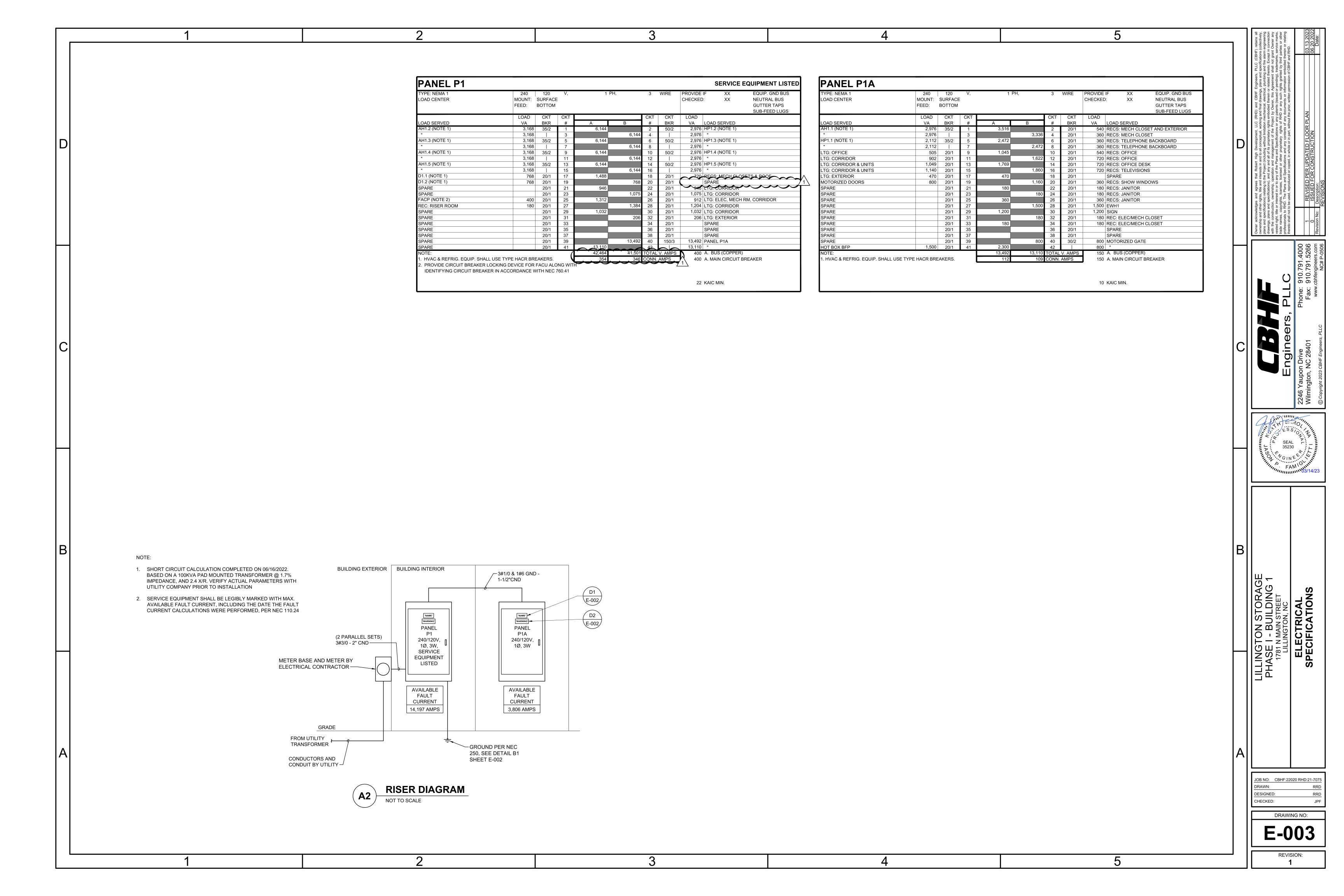












	1				2							3	4	5		tains all ectively, ineering nection any a marks, or other relating
	LICHTING EIVTUDE	CCHEDIII E											ELECTRICAL GENERAL NOTES:			LC (CBHF) ret ecifications (colls of the alarm engl of the alarm engl of the Except in cord of the alarm engl of the colls of the colls of the engl of
	LIGHTING FIXTURE MARK DESCRIPTION	MANUFACTURER/SERIES	NOM. SIZE	TEMP(oK	K) LAMPS	VOLTS	DELIVERED	WATTS	COLOR	MOUNTING	BALLAST	-/ REMARKS		22. FINAL TYPED PANELBOARD DIRECTORIES INSTALLED IN THE PANELBOARD DOOR POCKET SHALL		gineers, PL ans and spu lumbing an lated theret sement sha anding), trad s granted the ration embo ission of CE
	A LED STRIP FIXTURE 4'	METALUX SLSTP SERIES	4'	4000K	-, -, -, -,	120	4760	43	N/A	APPROX 8'-6"	LED DRIVE	REWARKS	 THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THOROUGHLY FAMILIARIZING HIMSELF WITH ANY CONTRACTUAL REQUIREMENTS AS MAY BE SET FORTH IN THE OTHER DIVISIONS OF THE PROJECT SPECIFICATIONS. 	INCLUDE FINAL ACTUAL ROOM NAMES AND NUMBERS IN ADDITION TO THE GENERAL DESCRIPTION SHOWN ON THE PANEL SCHEDULES ON THE DRAWINGS. 23. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER NEC RATINGS, UNLESS NOTED		nd CBHF Eng all drawings, plk all drawings, plk ditherein or rel therein or rel therein or such rights in such rights ents or inform r, written permi
	B LAY-IN FLAT PANEL FIXTURE 2'X2' SELECTABLE LUMEN AND KELVIN	OR APPROVED EQUAL LITHONIA LIGHTING CPANL SERIES OR APPROVED EQUAL	2'x2'	4000	LEDs	120	2750	21	N/A	RECESSED	LED DRIVE	ER 5	2. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF	OTHERWISE. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR CONDUIT FEEDING ANY EQUIPMENT, THE ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75 DEGREE C. WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C. CONDUCTORS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY FOR		., LLC (RHD) a working and fin tetition mechanic v rights embodie project by project by or so rany patent this of any docunits
D	C SELF CONTAINED SURFACE MOUNTED FIXTURE WITH INTEGRAL OCCUPANCY SENSOR	LEVITON 9864-LED OR APPROVED EQUAL	N/A	4000		120	800	9	WHITE	APPROX 8'-0"	LED DRIVE		THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. ADDITIONAL CIRCUITS SHALL BE INSTALLED WHEREVER NEEDED TO CONFORM TO THE SPECIFIC	EVALUATION/CORRECTION. 24. DO NOT PULL CONDUCTORS UNTIL THE CONDUIT SYSTEM IS COMPLETE IN EVERY DETAIL. IN THE CASE OF CONCEALED WORK, "COMPLETE" MEANS UNTIL ALL ROUGH PLASTERING OR MASONRY	D	h Development o all conceptual ding without lim of its proprietar mof Specification proprietary rig and any conter whole or in part
	E EMERGENCY LIGHTING FIXTURE, 2 HEAD, WHITE THERMOPLASTIC HOUSING, 90 MIN BATTERY BACKUP F1 WALL MOUNTED EXTERIOR LED	LITHONIA LIGHTING ELM4L SERIES OR APPROVED EQUAL HUBBELL	N/A N/A	N/A 4000	LEDs 3W EA. HEAD LEDs	120	536 	21	DARK	APPROX 8'-0" REFER TO	LED DRIVE		3. TEMPORARY POWER CONNECTIONS AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL TEMPORARY EQUIPMENT WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS INCLUDING CONTROL EQUIPMENT, MOTOR STARTERS, BRANCH AND FEEDER	HAS BEEN COMPLETED. 25. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, BRANCH CIRCUITS SHALL CONSIST OF #12 OR #10 AWG MINIMUM PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS IN 1/2" MINIMUM		that Robert Hig nerests in and the Project (inclused and any and all seration and any of the Plans, consed or other of Specifications and or copied, in
	G1 WALL MOUNTED EXTERIOR LED	SG SERIES OR APPROVED EQUAL HUBBELL COMPASS	N/A	4000		120	1600 AC	17	BRONZE DARK	ARCH. PLANS	LED DRIVE	,	CIRCUIT BREAKERS, PANELBOARDS, ETC. FOR TEMPORARY POWER. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AS REQUIRED. 4. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE	RACEWAY. 26. USE #10 AWG CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS WITH A TOTAL INSTALLED LENGTH GREATER THAN 75 FEET AND/OR BRANCH CIRCUIT HOMERUNS LONGER THAN		s and agrees rights, title and in ms) relating to the specifications), specifications), relating to the specifications, relating to the specification of the
	FIXTURE WITH EMERGENCY 90 MINUTE BATTERY J 6" LED DOWNLIGHT FIXTURE WITH BATTERY BACKUP	CUSO OR APPROVED EQUAL LITHONIA LIGHTING LDN6 1500 EL-ELR	N/A	4000	LEDs	120	600 EM 1,500	26	BRONZE WHITE	ARCH. PLANS RECESSED		ER 3, 5, 6		50 FEET, I.E.; #12 AWG INCREASED TO #10 AWG FOR RECEPTACLE BRANCH CIRCUITS OVER 75 FEET TOTAL LENGTH (INCLUDING THE HOMERUN SEGMENT) AND HOMERUNS OVER 50 FEET. 27. PROVIDE GROUND FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL IN ACCORDANCE		er acknowledge arship and other and specification ings, plans and tings, plans and dright, title or in names, copyrissionals to RHI to shall not to b
	X EXIT SIGN - RED LETTERS WHITE THERMOPLASTIC HOUSING, 90 MINUTE BATTERY BACKUP	OR APPROVED EQUAL LITHONIA LIGHTING LQM SERIES OR APPROVED EQUAL	N/A	N/A	LED	120		5	WHITE	REFER TO DETAIL A1/E-001	LED DRIVE	ER	PROTECTED AGAINST MECHANICAL INJURY, OR DAMAGE BY WATER AND/OR THE ELEMENTS. ELECTRICAL EQUIPMENT SHALL NOT BE STORED OUT OF DOORS, BUT SHALL BE STORED IN DRY PERMANENT SHELTERS. IF AN APPARATUS HAS BEEN DAMAGED, OR HAS BEEN SUBJECT TO POSSIBLE INJURY BY WATER OR THE ELEMENTS, SUCH DAMAGE SHALL BE REPLACED AT NO	WITH THE NEC INCLUDING ALL ELECTRIC WATER COOLERS, EXTERIOR RECEPTACLES AND RECEPTACLES IN AREAS SUBJECT TO POSSIBLE WET CONDITIONS. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF A SINK SHALL BE GFI PROTECTED.		Owne plans draw with vester trade profer trade profer there are there are the profer the profession of
	X1 COMBINATION EXIT SIGN/ EMERGENCY LIGHT, RED LETTERS, THERMOPLASTIC HOUSING, 2 HEAD	LITHONIA LIGHTING LHQM SERIES OR APPROVED EQUAL	N/A	N/A	LED	120		5	WHITE	REFER TO DETAIL A1/E-001	LED DRIVE	ER 3	6. CIRCUIT LAYOUTS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND	28. CONNECT BATTERY PACK TYPE EMERGENCY AND EXIT LIGHTING FIXTURES TO THE UNSWITCHED LIGHTING CIRCUIT SERVING THE SPACE LIGHTED BY THE EMERGENCY AND EXIT FIXTURES. THESE CONNECTIONS ARE INTENTIONALLY NOT SHOWN TO MAINTAIN DRAWING FOR CLARITY.		0.791.40
	FIXTURE WITH 90 MINUTE BATTERY REMARKS: 1. BI-LEVEL SWITCHING 2. DAMP LOCATION	5. LED REQUIRED SURGE PROTEC 6. VERIFY FINAL MOUNTING HEIGH		TECT.									AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/DIAGRAMMATICALLY ONLY.	29. ADJACENT SWITCHES SHALL BE GANGED.30. COORDINATE LOCATIONS OF PLUMBING, MECHANICAL, ELEVATOR, AND OF OWNER-PROVIDED EQUIPMENT WITH THE RESPECTIVE CONTRACTORS AND VENDORS AND THE OWNER BEFORE		LLC one: 910 -ax: 910
	3. WET LOCATION4. WIREGUARD	7. FINAL COLOR SELECTION BY AR 8. EMERGENCY FIXTURE SHALL P AVERAGE/0.1 FC MIN WITH AT I	RCHITECT PROVIDE AT LEAS	AST 1 FC	WEEN UNITS.									ROUGH-IN. ADJUST LIGHTING FIXTURES, RECEPTACLES AND ELECTRICAL EQUIPMENT TO ACCOMMODATE THIS EQUIPMENT. 31. BEFORE COMMENCING WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL COORDINATE		S, P
	GENERAL NOTES: A. THE CONTRACTOR SHALL VERIFY THE LE B. DURING THE BID PROCESS, THE CONTRAI C. NO SUBSTITUTIONS WILL BE ALLOWED DU	CTOR SHALL NOTIFY THE ARCHITECT	CT/ENGINEER OF	ANY DELIVE	VERY/SCHEDUL	LING ISSUES	S.						8. SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.	WITH OTHER TRADES AND VERIFY THE NAMEPLATE RATINGS OF ALL EQUIPMENT (MOTORS, HEATERS, COMPRESSORS, ETC.) AND ADJUST THE RATINGS OF THE ELECTRICAL EQUIPMENT (SWITCHES, FUSES, CIRCUIT BREAKERS, FEEDERS, ETC.) AS APPROPRIATE TO SERVE THIS EQUIPMENT.		Deer 10
	D. ALL EXPEDITED EXPENSES SHALL BE THE E. FIXTURES TO BE INSTALLED IN CEILINGS SURFACE SHALL BE IC RATED BY MANUFA	E RESPONSIBILITY OF THE CONTRAC INDICATED ON THE ARCHITECTURAL ACTURER.	CTORS. L PLANS AS HAVI	/ING INSULA	ATION IN CONT	TACT WITH T	HE CEILING						10. RACEWAYS PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED	32. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE CONTRACTOR PROVIDING THE EQUIPMENT.33. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL		ingir n Drive NC 284
	F. LIGHTING FIXTURES SHALL MEET THE AES G. LIGHTING FIXTURES, AS SPECIFIED, HAVE HENCE SPECIFIC FIXTURE CHARACTERIS SPECIFIED FIXTURES SHALL DEEM THE SI	EBEEN SO SELECTED TO ACHIEVE RETICS WHICH MAY CREATE PARTICULA	REQUIRED/DESIRE LAR ILLUMINATIO	RED FOOTCA ON RESULTS	CANDLE LEVELS S ARE ESSENT	S IN THEIR R TIAL. ANY DE	ESPECTIVE A	REA. DM					11. RACEWAYS PENETRATING RATED FLOOR, CEILING OR WALL ASSEMBLIES SHALL BE PROPERLY SEALED IN ACCORDANCE WITH THE CORRESPONDING UNDERWRITERS LABORATORIES (OR OTHER APPROVED THIRD PARTY TESTING AGENCY) APPROVED AND LISTED FIRESTOPPING	CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL, PLUMBING AND GENERAL CONTRACTORS, PRIOR TO ORDERING OR INSTALLATION OF ANY EQUIPMENT, TO VERIFY		E Yaupo mington,
	ENGINEER AND OWNER TO MAKE AN INFO H. SUBSTITUTIONS APPROVED BY THE ENGI UNLESS OTHERWISE NOTED. THIS INCLU	NEER PRIOR TO BID ARE ACCEPTABI DES LENS, COLORS, REFLECTORS, F	PHOTOMETRICS,	S, HOUSING I	MATERIAL, FIN	NISHES, ETC	. ALL						MATERIALS AND MANUFACTURER APPROVED INSTALLATION TECHNIQUES COMPLYING WITH ALL APPLICABLE CODES. SEE ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF RATED WALLS AND CEILINGS.	MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS ARE PROVIDED IN THE ELECTRICAL DESIGN. THE CONTRACTOR WILL NOT BE COMPENSATED FOR COSTS ASSOCIATED WITH CHANGING THE ELECTRICAL SYSTEMS TO MATCH UTILIZATION EQUIPMENT, EVEN IF THE ELECTRICAL WORK IS INSTALLED PER THE ELECTRICAL DRAWINGS.		Will. W
	SUBSTITUTIONS SHALL BE SUBMITTED TO SPECIFIED FIXTURE AND LISTED SEPARA' I. ANY FIXTURE WITH THE TEXT "NL" ADJAC CONNECTED TO THE UNSWITCHED HOT L	TELY SO THE ARCHITECT, ENGINEER ENT TO IT SHALL INDICATE THAT THA	R AND OWNER CA	CAN MAKE AN	AN INFORMED I	DECISION							 12. ALL RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE. 13. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO 	34. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL FURNISH ALL STARTERS AND CONTROLS FOR THEIR EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL MOUNT STARTERS FURNISHED BY THE MECHANICAL AND PLUMBING CONTRACTORS. THE ELECTRICAL CONTRACTOR PROVIDE ALL		ESSION NESSION
H	J. ALL EXIT AND EMERGENCY FIXTURES SHAK. LED MODULES SHALL BE REPLACEABLE.L. SEE SPECIFICATIONS SECTIONS 265100 A			JTOMATIC 7	TESTING DEVI	ICES.							DIAGONAL RUNS WILL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.	SAFETY SWITCHES, WIRING AND CONNECTIONS TO LINE SIDE AND LOAD SIDE OF STARTERS AND SAFETY SWITCHES COMPLETE TO MECHANICAL EQUIPMENT. FOR RESISTANCE TYPE LOADS WHERE STARTERS OR CONTACTORS ARE NOT REQUIRED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING AND CONNECTIONS COMPLETE TO EQUIPMENT. THE MECHANICAL		35230 - A STAN GINER
													14. PROVIDE AND PLACE ALL SLEEVES FOR CONDUITS PENETRATING WALLS, FLOORS, PARTITIONS, ETC. LOCATE ALL NECESSARY SLOTS FOR ELECTRICAL WORK AND FORM BEFORE CONCRETE IS POURED.	AND PLUMBING CONTRACTORS SHALL PROVIDE ALL CONTROL WIRING AND CONNECTIONS AND DEVICES FOR THEIR EQUIPMENT. 35. LAYOUT AND PLACEMENT OF ELECTRICAL DISTRIBUTION EQUIPMENT IN ELECTRICAL AND		7777 FAN 13/14/
													 15. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOF. 16. ALL MOTORS AND OTHER VIBRATING EQUIPMENT SHALL BE CONNECTED TO THE CONDUIT 	MECHANICAL EQUIPMENT ROOMS IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, IF ARRANGEMENT DIFERS FROM THAT SHOWN ON THE DRAWINGS. PROVIDE NATIONAL ELECTRICAL CODE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT, PANELBOARDS, TRANSFORMERS, SAFETY SWITCHES, SWITCHBOARDS, ETC. COORDINATE RESOLUTION OF		
													SYSTEM BY MEANS OF A SHORT SECTION (18 INCH MINIMUM) OF FLEXIBLE CONDUIT UNLESS OTHERWISE INDICATED. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED INSIDE THE FLEXIBLE CONDUIT AND TERMINATE AT THE LOAD END WITH AN APPROVED GROUNDING CLAMP OR LUG.	CONFLICTS WITH OTHER TRADES. 36. COORDINATION WITH THE UTILITY COMPANY IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL DISTRIBUTION EQUIPMENT (PANELBOARDS, CIRCUIT BREAKERS,		
В													17. SURFACE MOUNTED PANELBOARDS, JUNCTION, OUTLET AND PULL BOXES, RACEWAYS, ETC., INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.	SAFETY SWITCHES, ETC.) SHALL, AS A MINIMUM, BE PROVIDED WITH SHORT CIRCUIT WITHSTAND AND INTERRUPTING RATINGS AS SHOWN IN THE DRAWINGS. COORDINATE ACTUAL FAULT CURRENT AVAILABLE WITH THE SERVING UTILITY COMPANY AND ADJUST RATINGS AS APPROPRIATE. PROVIDE DEVICES WITH CURRENT LIMITING CHARACTERISTICS AS REQUIRED TO	В	SCHE
													VERTICAL MOVEMENT OF THE OUTLET BOX. BRIDGES ALONE ARE NOT ADEQUATE UNLESS	SAFELY FUNCTION AND PROTECT THE DISTRIBUTION SYSTEM. 37. TELECOMMUNICATIONS AND DATA CABLES WILL BE PROVIDED AND INSTALLED BY THE OWNER. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.		AGE G 1
													19. EXCAVATION AND TRENCHING REQUIRED FOR THE INSTALLATION OF ELECTRICAL POWER AND	38. PROVIDE TELEPHONE, CABLE TELEVISION, FIBER AND DATA SERVICE ENTRANCE CONDUIT IN SIZES AND LOCATIONS AS REQUIRED BY THE OWNER AND THE SERVICE UTILITIES. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.		OR OR OF STATE OF STA
													20. PRIOR TO TRENCHING IN ANY AREA, THE CONTRACTOR SHALL CONTACT ELECTRICAL,	39. DO NOT INSTALL SMOKE DETECTORS WITHIN 3 FEET OF SUPPLY AIR DIFFUSERS OR RETURN GRILLES. PROVIDE FLEX CONDUIT CONNECTION TO SMOKE AND HEAT DETECTORS OF ADEQUATE LENGTH TO ALLOW HORIZONTAL ADJUSTMENT OF FOUR FEET FROM POSITION INDICATED ON		ON ST ON ST BUIL MAIN STR INGTON, N CTRIC,
Н													PROJECT.	DRAWINGS. 40. SAFETY: COMPLY WITH OSHA AND NEC ARC FLASH PROTECTION REQUIREMENTS.		ASE I - 1781 N M LILLING ELEC
													21. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE	41. MC CABLE ONLY ALLOWED WHERE IT CAN BE CONCEALED.42. JUNCTION BOXES INSTALLED IN STORAGE UNIT WALLS SHALL BE RECESSED. SURFACE MOUNTED NOT ALLOWED WHERE MEANS OF CONCEALING EXISTS.		LILLII PHA TES /
																.ON J
																ERA
																GE
																JOR NO. CPUE.22222 DUD C.
																DRAWN: F DESIGNED: F CHECKED:
																DRAWING NO:
																E-004
	1				2							3	4	5		REVISION:

