

REVELS TURF & TRACTOR 5118 RAWLS CHURCH ROAD FUQUAY-VARINA, NORTH CAROLINA

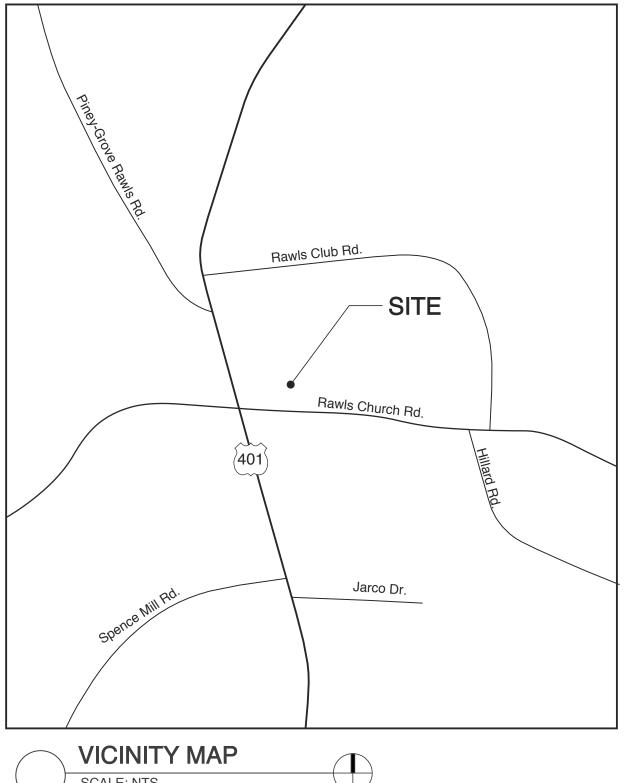
SCOPE OF WORK:

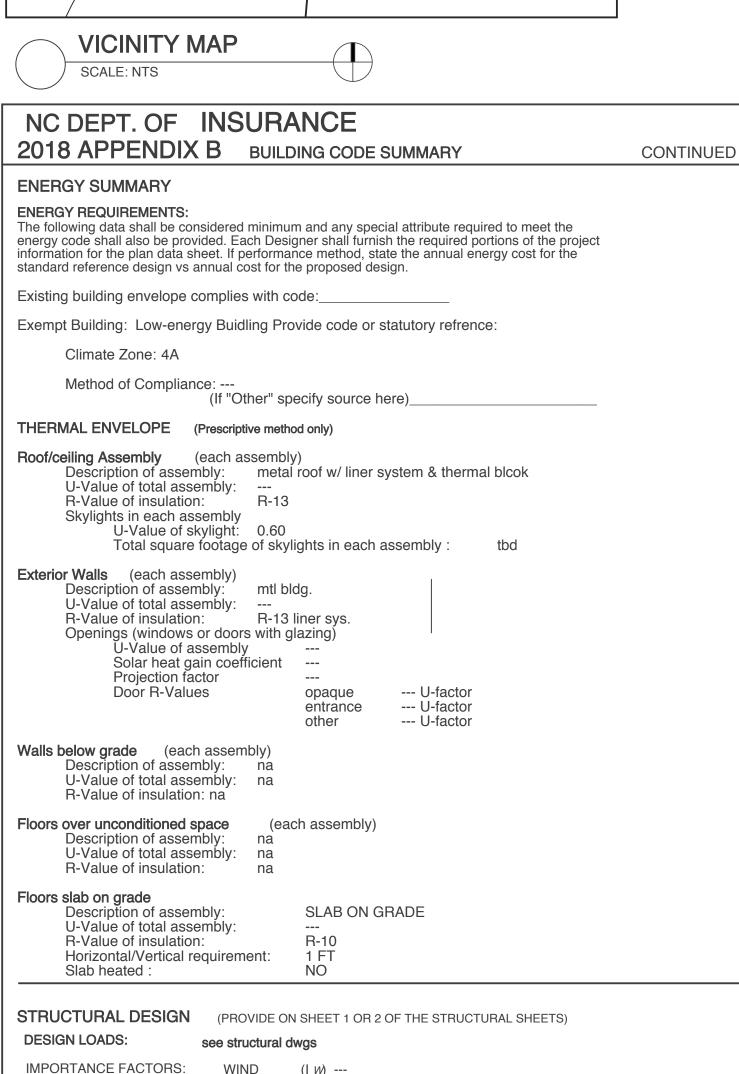
NEW PRE-ENGINEERED METAL BUILDING (5,000SF) FOR STORAGE ONLY.

NC DEPT. OF IN BUILDING CODE SUMMAR (EXCEPT 1 & 2-FAMILY DWELIN REPRODUCE THE FOLLOWING DATACE)	Y FOR ALL COMMERC	IAL PROJEC			NC
Name Of Project: Address: Zip Code: Owner Or Authorized Agent:	REVELS TURF- NEW ST 5115 RAWLS CHRUCH F FUQUAY-VARINA, NC W. S. Architects, PA	ROAD Pi	NG hone: (919) 779-9 -mail ginger@ws	9797	
Owned By: Code Enforcement Jurisdiction:	[] City/County [] Town	[X] Priva [X] Cour	ite	[] State	ı
LEAD DESIGN PROFESSION Designer FIRM Architectural: W. S. Architectivil Fire Alarm: Burke Design	ncts, PA NAME Ginger S. Summ	LIC. # T ner 11075 (9 22038 (9	ELEPHONE E 919) 779-9797 g 919) 771-1916 b 	. -	•
Plumbing: Mechanical: Burke Desigr Sprinkler-Standpipe: Structural: Retaining Walls >5' High: Other:	n Group Benjamin E Burl 	 ke 22038 (the second of the second o		 en@bdg-nc.com 	
2018 NC BUILDING CODE:	[] Addition	[] Phased Co [] Alteration [] Alteration		l Core	perty
	te) CURRENT te) PROPOSE GORY (Table 1604.5): Curr		CY(S) (Ch. 3): E	3 & S-1	
SPRINKLERS: STANDPIPES: PRIMARY FIRE DISTRICT: SPECIAL INSPECTIONS	[] -A [] -A [] -A [] -B [X] -B [] - [X]NO [] PARTIAL [X]NO CLASS [] [X]NO []YES FLOO	3 []V []NFPA 13 []II []	-B []NFPA 13F III []WET	R []NFPA []DRY [X]NO []YE	
GROSS BUILDING AREA 3RD FLOOR 2ND FLOOR MEZZANINE	EXISTING (SF)	 	SUB-TOTA 	L TENANT	
1ST FLOOR BASEMENT TOTAL	 	5,000 5,000	 		
[] BUSINESS [] EDUCATIONAL [] FACTORY [] HIGH-HAZARD [] INSTITUTIONAL [] MERCANTILE [] RESIDENTIAL [X] STORAGE []UTILITY & MISCELLANEOUS ACCESSORY OCCUPANCY CL INCIDENTAL USES (Table 509) This separation is not ex SPECIAL USES (Chapter 4 - Lis SPECIAL PROVISIONS (Chapte	ASSIFICATION(S): : empt as a Non-Separated Us t Code Sections): er 5 - List Code Sections):	F-2 Low Deflagrate []F-4 ! []3 []4 R-4 []S-2 Low DPEN []E	[] 5 [] HIGH-PILI NCLOSED	ED []REPAIR G 	
MIXED OCCUPANCY: No	Separation: Exception: _	Actual Area of C		≤1	≤ 1.00
STORY DESCR'N NO. AND USE	(A) (B) BLDG AREA TABLE PER STORY AREA (ACTUAL)	506.2₄ AREÁ A OPENS	C) ([FOR ALLOW SPACE AREA ASE 1,5 UNLIM	VÅBLE A OR	
1 STORAGE (S	51) 5,000 17,5 	00 13,1 		per flr. 	
1. Frontage Area Increases From A. Perimeter Which Fronts B. Total Building Perimeter C. Ratio (F/P) = (20/30) = -D. W= Minimum Width Of P. Unlimited area applicable under 3. Max. Building Area = Total No. 4. The Maximum Area Of Open F. Control Towers Must Comply V. 5. Frontage increase is based on	A Public Way Or Open Space =' (P) Public Way = (W) or conditions of Section 507. Of Stories In The Building X Parking Garages Must Compl With 412.3.1.f	e Having 20 Ft M D (maximum 3 s y With 406.5.4.	stories) (506.2).		

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

NC DEPT. OF INSU 018 APPENDIX B			SUMMARY			CONT	INUED	_
RE PROTECTION REQUIREM JILDING ELEMENT	FIRE SEP'N DIST. (FT)	RATING REQ'D	RATING PROV'D (W/* REDUCTION)	DETAIL # AND SHEET #	DES. # FOR RATED ASS'Y	DES. # FOR RATED PENET'N	DES. # FOR RATED JOINTS	
TRUCTURAL FRAME, INCLUDING COLUMNS GIRDERS, TRUSSES		0						
EARING WALLS EXTERIOR NORTH	30'+	0						
EAST WEST SOUTH	30'+ 30'+ 30'+	0 0 0	 					
INTÉRIOR ONBEARING WALLS AND PARTITIONS EXTERIOR NORTH								
EAST WEST SOUTH			 					
INTERIOR WALL & PARTITIONS LOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS FLOOR CEILING ASSEMBLY								Spence Mill F
COLUMNS SUPPORTING FLOOF OOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	RS							
ROOF CEILING ASSEMBLY COLUMNS SUPPORTING ROOF HAFTS ENCLOSURES-EXIT			 					VICINIT
HAFTS ENCLOSURES-LID ORRIDOR SEPARATION CCUPANCY/FIRE AREA SEPARATION	ON		 					SCALE: NTS
ARTY/FIRE WALL SEPARATION MOKE BARRIER SEPARATION	∵.•			 				NC DEPT. O
MOKE PARTITION ENANT/DWELL. UNIT/SLEEP. UNIT S CIDENTAL USE SEPARATION		 						2018 APPENI ENERGY SUMMARY
DICATE SECTION NO. PERMITTING ER FOOTNOTE 'F' ON TABLE 1020.		JN						ENERGY REQUIREMEN
PERCENTAGE OF WALL OPE	NING CA	LCULAT	TIONS					The following data shall be energy code shall also be information for the plan d
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY	OPE	REE OF NINGS ECTION	ALLOWAB AREA		JAL SHOW N PLANS	/N		standard reference desig Existing building envelo
LINES N 30'+	`	E 705.8) P, NS	(%) NO LIMIT	Γ	(%)			Exempt Building: Low-
E 30'+ S 30'+ W 30'+	UF UF	P, NS P, NS P, NS	NO LIMIT NO LIMIT	Γ Γ				Climate Zone: 4 Method of Com
** JO T	111-	. 140	N() I IV/II I	Γ				Welliod of Colf
			NO LIMIT	<u> </u>				
	EMENTS	<i>.</i>				ONIVI 2		THERMAL ENVELOPE
XIT SIGNS: [X] RE ALARM: []Y FE SAFETY PLAN REQUIREMI	EMENTS YES []N YES []N ES [X]N ENTS	O SMO	OKE DETECTIO IIC HARDWARE	ON SYSTEMS E: SHEET	S: []YE []YE	S [X]NO S [X]NO		
MERGENCY LIGHTING: [X] (IT SIGNS: [X] RE ALARM: []Y FE SAFETY PLAN REQUIREMI] FIRE AND/OR SMOKE RATED WA X] ASSUMED AND REAL PROPER] EXTERIOR WALL OPENING AREA X] OCCUPANCY USE FOR EACH A X] OCCUPANT LOADS FOR EACH A X] OCCUPANT LOADS FOR EACH A X] COMMON PATH OF TRAVEL DISTANG] COMMON PATH OF TRAVEL DISTANG] DEAD END LENGTHS (1020.4) X] CLEAR EXIT WIDTHS FOR EACH X] MAXIMUM CALCULATED OCCU EGRESS WIDTH (1005.3) X] ACTUAL OCCUPANT LOAD FOR	EMENTS YES []N YES []N ES [X]N ENTS ALL LOCAT TY LINE LOCAT TY LINE LOCAT AREA AS IT AREA CES (1017) TANCES (1 H EXIT DO IPANT LOA IR EACH DO INDICATIN	O SMO O PAN	DKE DETECTION IC HARDWARE HAPTER 7) SO (IF NOT ON SO DISTANCE TO SOCCUPANT 1006.3.2(1)) CITY EACH EXITER FIRE RATED	SHEET SHEET ITE PLAN) O ASSUMED NT LOAD CA	NUMBER O PROPER ALCULATION	A1 TY LINES (7 DN (TABLE 1	004.1.2)	THERMAL ENVELOPE Roof/ceiling Assembly Description of a U-Value of total R-Value of insu Skylights in each U-Value
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MERGENCY LIGHTING: [X] KIT SIGNS: [X] RE ALARM: []Y FE SAFETY PLAN REQUIREMI] FIRE AND/OR SMOKE RATED WAX ASSUMED AND REAL PROPER'] EXTERIOR WALL OPENING AREAX OCCUPANCY USE FOR EACH AX OCCUPANT LOADS FOR EACH X] OCCUPANT LOADS FOR EACH X] COMMON PATH OF TRAVEL DISTANG OF EACH X] COMMON PATH OF TRAVEL DISTANG OF EACH X] MAXIMUM CALCULATED OCCUEGRESS WIDTH (1005.3) X] ACTUAL OCCUPANT LOAD FOR ACTUAL OCCUPANT LOAD FOR ACTUAL OCCUPANT LOAD FOR ACTUAL OCCUPANT LOAD FOR OF DOORS WITH PAN STRUCTURE IS PROVIDED FOR OLD LOCATION OF DOORS WITH DEL LOCATION OF DOORS WITH DEL LOCATION OF DOORS WITH ELE LOCATION OF DOORS WITH ELE LOCATION OF DOORS WITH ELE LOCATION OF EMERGENCY ESC X] THE SQUARE FOOTAGE OF EAC THE ITEMS ABOVE CCESSIBLE DWELLING UNITS ACCESSIBLE ACCESS TOTAL UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS UNITS THE ITEMS ABOVE CCESSIBLE PARKING (SECT CCESSIBLE PARKING (SECT TOTAL UNITS	EMENTS YES [] N YES [] N ES [X] N ENTS ALL LOCAT TY LINE LOCAT TY LINE LOCAT AREA CES (1017) TANCES (1 H EXIT DO IPANT LOA R EACH DO INDICATIN R PURPOSI NIC HARDV LAYED EGIF ECTROMAC D WITH HO CAPE WIND CH FIRE A CH SMOKE ON TABLE (SEC' SIBLE T S''D I ION 1106) PACES OVID'D MENT	O SMO O PAN	CITY EACH EXIT E FIRE RATED CUPANCY SEF 10.1.10) CKS AND THE A GRESS LOCKS N DEVICES 30) CTMENT FOR OCHAT MAY HAVE 7) TYPE A UNITS PROV'D e plan by Stewa F ACCESSIBLE 3. WITH 5' ESS AISLE 403.1) LAVATORIES F FEMALE UN LAVATORIES F FEMALE UN	SHEET SHEET ITE PLAN) O ASSUMED TOOR CAP FLOOR/CEI PARATION AMOUNT OF (1010.1.9.9) CCUPANCY E BEEN UTIL TYPE B UNITS REQ'D SPACES P VAN SPA 32" ACCES AISLE SEP VISEX SEF VISEX SEF	NUMBER O PROPER ALCULATIO I ACCOMM LING AND THE DEL. TYPE UNIT: PROV ROVIDED ACES WITH S 8' ACCI AISL RVICE [A1 TY LINES (7 ON (TABLE 1 MODATE BA OR ROOF AY (1010.1.9 CATION I-2 GARDING B S CATION I-2 GARDING B S CATION I-2 GARDING	OO4.1.2) SED ON O.7) TOTAL CESSIBLE TS PROV'D OTAL # EESSIBLE OVIDED	THERMAL ENVELOPE Roof/ceiling Assembly Description of a U-Value of total R-Value of insu Skylights in each U-Value Total sq Exterior Walls (each Description of a U-Value of total R-Value of insu Openings (wind U-Value Solar he Projectic Door R- Walls below grade Description of a U-Value of total R-Value of insu Floors over uncondition Description of a U-Value of total R-Value of insu Floors slab on grade Description of a U-Value of insu R-Value of insu Horizontal/Verti Slab heated: STRUCTURAL DESI DESIGN LOADS: IMPORTANCE FACTO LIVE LOADS: GROUND SNOW LOAD WIND LOAD: SEISMIC DESIGN PROVIDE THE FOLLO OCCUPANCY (SPECTRAL RE





SNOW

FLOOR

ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED

FIELD TEST (PROVIDE COPY OF TEST REPORT) ---- psf

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY (TABLE 1604.5)

SPECTRAL RESPONSE ACCELERATION

SEISMIC DESIGN CATEGORY

SITE CLASSIFICATION (ASCE 7)

BASIC STRUCTURAL SYSTEM

BEARING WALL

1 MOMENT FRAME

ANALYSIS PROCEDURE

BUILDING FRAME

PRESUMPTIVE BEARING CAPACITY

PILE SIZE, TYPE, AND CAPACITY

(l s) ---

ULTIMATE WIND SPEED --- mph (ASCE-7)

EARTHQUAKE[]

WIND BASE SHEARS (FOR MWFRS) Vx = --- K

[]A []B []C

INVERTED PENDULUM

Ss 0.166%g Sr 0.081%g [] **B** [] **C** [] **D**

DUAL W/INTERMEDIATE R/C OR SPECIAL STEEL

[] SIMPLIFIED [] EQUIVALENT LATERAL FORCE [] DYNAMIC

WIND []

[]YES []NO

Field Test [] Presumptive [] Historical Data

1 DÚAL W/SPECIAL MOMENT FRAME

Vy = --- K

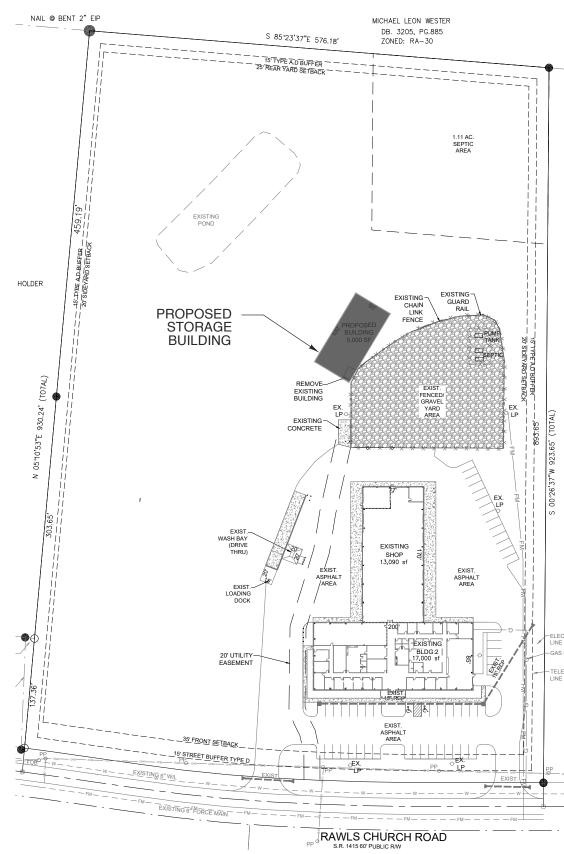
[] **IV**

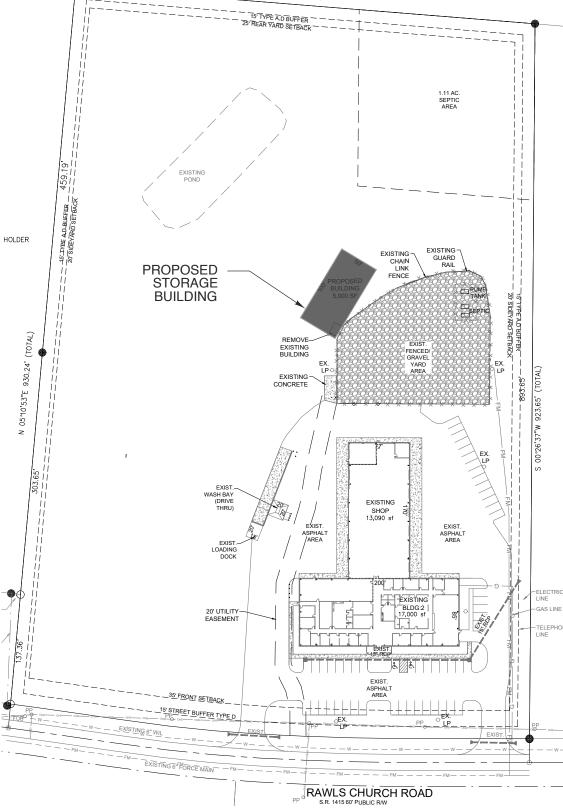
SEISMIC (I *E*) ---

MEZZANINE na psf

EXPOSURE CATEGORY ---

(check one)







GENERAL NOTES

I: FOR THIS PROJECT:

A) A PROJECT EXPEDITOR WILL BE DESIGNATED BY THE OWNER TO PROVIDE GENERAL ADMINISTRATION OF THESE DOCUMENTS FOR THE OWNER. THE OWNER SHALL BE THE PROJECT EXPEDITOR UNLESS OTHERWISE STIPULATED BY WRITTEN AGREEMENT WITH ANOTHER PARTY.

B) THESE DOCUMENTS ARE SCHEMATIC IN NATURE AND ARE INTENDED TO CONVEY THE DESIGN DIMENSIONS. EXISTING CONDITIONS, ETC. FOR THE PROPER IMPLEMENTATION OF THESE DRAWINGS. DO NOT SCALE THE DRAWINGS.

C) THE ARCHITECTS SCOPE OF WORK DOES NOT INCLUDE CONSTRUCTION OBSERVATION UNLESS OTHERWISE DESIGNATED IN WRITING BY THE OWNER.

THE CONTRACTOR IS IN CHARGE OF THE WORK AND COMPLIANCE WITH THESE DOCUMENTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ARCHITECT WILL BEAR NO RESPONSIBILITY FOR FAILURE OF THE CONTRACTOR TO FULLY COMPLY WITH ALL INCLUSIVE

USE OF THESE DOCUMENTS WILL CONSTITUTE AGREEMENT BY THE CONTRACTOR TO THESE

D) "THE GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTION OF THE BUILDINGS" OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A-201, LATEST EDITION, ARE HEREBY MADE PART OF THE DOCUMENTS. IN THE EVENT OF A CONFLICT, THESE GENERAL NOTES AND CONTRACT SUPERSEDE "AIA DOCUMENT A-201".

II: ALL WORK UNDER THIS CONTRACT SHALL:

PREPARE THE BUILDING FOR USE BY THE OWNER.

A) CONFORM TO STATE, LOCAL AND NATIONAL CODES AND ORDINANCES AS ARE APPLICABLE TO THE WORK INCLUDING BUT NOT LIMITED TO THE NORTH CAROLINA STATE BUILDING CODE, THE AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL ELECTRIC CODES, ASTM SPECIFICATIONS, AND OSHA SAFETY REGULATIONS.

B) COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION (EPA). THE COST OF ALL REQUIRED INSPECTIONS AND PERMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

III: UNLESS OTHERWISE DIRECTED BY THE ARCHITECT, THE CONTRACTOR SHALL:

A) SUPPLY AND PAY FOR ALL LABOR, TRANSPORTATION, MATERIALS, TOOLS, APPARATUS, LIGHTS, POWER, HEAT, SANITARY FACILITIES, WATER, SCAFFOLDING, AND INCIDENTALS NECESSARY FOR THE COMPLETION OF HIS WORK.

B) INSTALL, MAINTAIN AND REMOVE ALL EQUIPMENT, OTHER UTENSILS OR THINGS USED FOR THE CONSTRUCTION PRIOR TO TURNING OVER THE PROJECT.. IF SUCH ITEMS ARE LEFT AFTER COMPLETION OF THE PROJECT. THEY SHALL BECOME PROPERTY OF THE OWNER. THE OWNER MAY PROMPTLY DISPOSE OF SUCH ITEMS, AND WILL NOT BE SUBJECT TO CLAIMS OF THE CONTRACTOR RESULTING FROM SUCH DISPOSITION.

C) CONSTRUCT IN THE BEST AND PROFESSIONAL MANNER. A COMPLETE JOB AND EVERYTHING INCIDENTAL THERETO. AS SHOWN OR REASONABLY IMPLIED FROM THE PLANS, ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE DOCUMENTS.

D) VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES DISCOVERED OR LACK OF REQUIRED INFORMATION TO REQUEST CLARIFICATION. IF THE CONTRACTOR OBSERVES THE DOCUMENTS TO BE CONTRARY TO GOVERNING LAWS, ORDINANCES, CODES, RULES AND REGULATIONS OR OTHERWISE QUESTIONABLE CONDITIONS, HE SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH THE WORK.

E) KEEP THE BUILDING AND SURROUNDING AREA REASONABLY FREE FROM RUBBISH AT ALL TIMES. AT A MINIMUM, DEBRIS SHALL BE REMOVED FROM THE SITE ON A WEEKLY BASIS OR AS DIRECTED BY PROJECT EXPEDITOR.

F) LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR MAY NOT INTERFERE WITH ADJACENT UTILITIES UNLESS PRIOR NOTICE AND PERMISSION IS RECEIVED FROM THOSE WHO MAY AS A RESULT OF THIS INTERFERENCE BE AFFECTED.

G) PRIOR TO ANY WORK, CALL "NC ONE CALL CENTER" @ 800-632-4949 AND OTHER LOCATING SÉRVICES AS TO CONFIRM LOCATION OF UTILITIES.

H) PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF THE BUILDING, EACH CONTRACTOR SHALL CLEAN HIS PORTION OF THE WORK, INCLUDING GLASS, HARDWARE FIXTURES, MASONRY, TILE

AND MARBLE (USING NO ACID), CLEAN AND WAX ALL FLOORS AS SPECIFIED, AND COMPLETELY

I) FILE WITH THE OWNER CURRENT INSURANCE CERTIFICATIONS IN THE AMOUNTS REQUESTED BY THE OWNER FOR BUILDER'S RISK, WORKMEN'S COMPENSATION, COMPREHENSIVE GENERAL LIABILITY, BODILY INJURY AND PROPERTY DAMAGE. THIS INSURANCE SHALL INDEMNIFY THE OWNER AND THE ARCHITECT OF ANY AND ALL COSTS. CLAIMS. SUITS AND JUDGEMENTS FOR PROPERTY DAMAGE AND PERSONAL INJURY (INCLUDING GENERAL) ARISING OUT OF THE

CONTRACTOR'S ACTIONS. J) PROVIDE ALL NECESSARY SAFETY MEASURES FOR THE PROTECTION OF ALL PERSONS OF THE WORK, INCLUDING THE REQUIREMENTS OF THE A.G.C. ACCIDENT PREVENTION MANUAL IN CONSTRUCTION AS AMENDED, AND SHALL FULLY COMPLY WITH ALL STATE LAWS OR REGULATIONS AND NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS TO PREVENT

K) CLEARLY MARK OR POST SIGNS WARNING OF HAZARDS EXISTING, AND BARRICADE EXCAVATIONS, ELEVATOR SHAFTS, STAIRWELLS AND SIMILAR HAZARDS. PROTECT AGAINST DAMAGE OR INJURY RESULTING FROM FALLING MATERIALS AND MAINTAIN ALL PROTECTIVE DEVICES AND SIGNS THROUGHOUT THE PROGRESS OF THE WORK

ACCIDENT OR INJURY TO PERSONS ON OR ABOUT THE LOCATION OF THE WORK.



W. S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com





PROJECT TITLE **REVELS** STORAGE BLDG. 5118 RAWLS CHURCH ROAD FUQUAY-VARINA, NC

PROJECT NO. 2525

DRAWING TITLE **COVER SHEET**



PLOT DATE REVISION

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EGRESS REQ. & CODE REF.

COMMON PATH OF TRAVEL = 75' MAX. MAX. TRAVEL DIST. = 200' DOORS TO HAVE 32" MIN. CLR. PER 404.2.2 OF ANSI A117.1

THE CLEAR WIDTH OF INTERIOR ACCESSIBLE ROUTE IS 36" MIN. PER 403.5 OF ANSI A117.1

LEGEND

----> EGRESS PATH

ABC FIRE EXTINGUISHER SURFACE MOUNTED HANDLE OF EXT. 48" AFF MAX VERIFY LOC. W/ FIRE MARSHALL FE

DOOR SCHEDULE											
	DOOR			FRA	ME	LIDIAID					
MARK	SIZE	TYPE	TYPE	DETAILS	HDWR SET NO.	REMARKS					
1	3'-0" x 7'-0" x 1-3/4"	INSUL. HM.				1					
2	12'-0" x 12'-0"	INSUL. STL.					OH DOOR W/ LITES				
3	3'-0" x 7'-0" x 1-3/4"	INSUL. HM.				1					

NOTES:

HARDWARE SETS

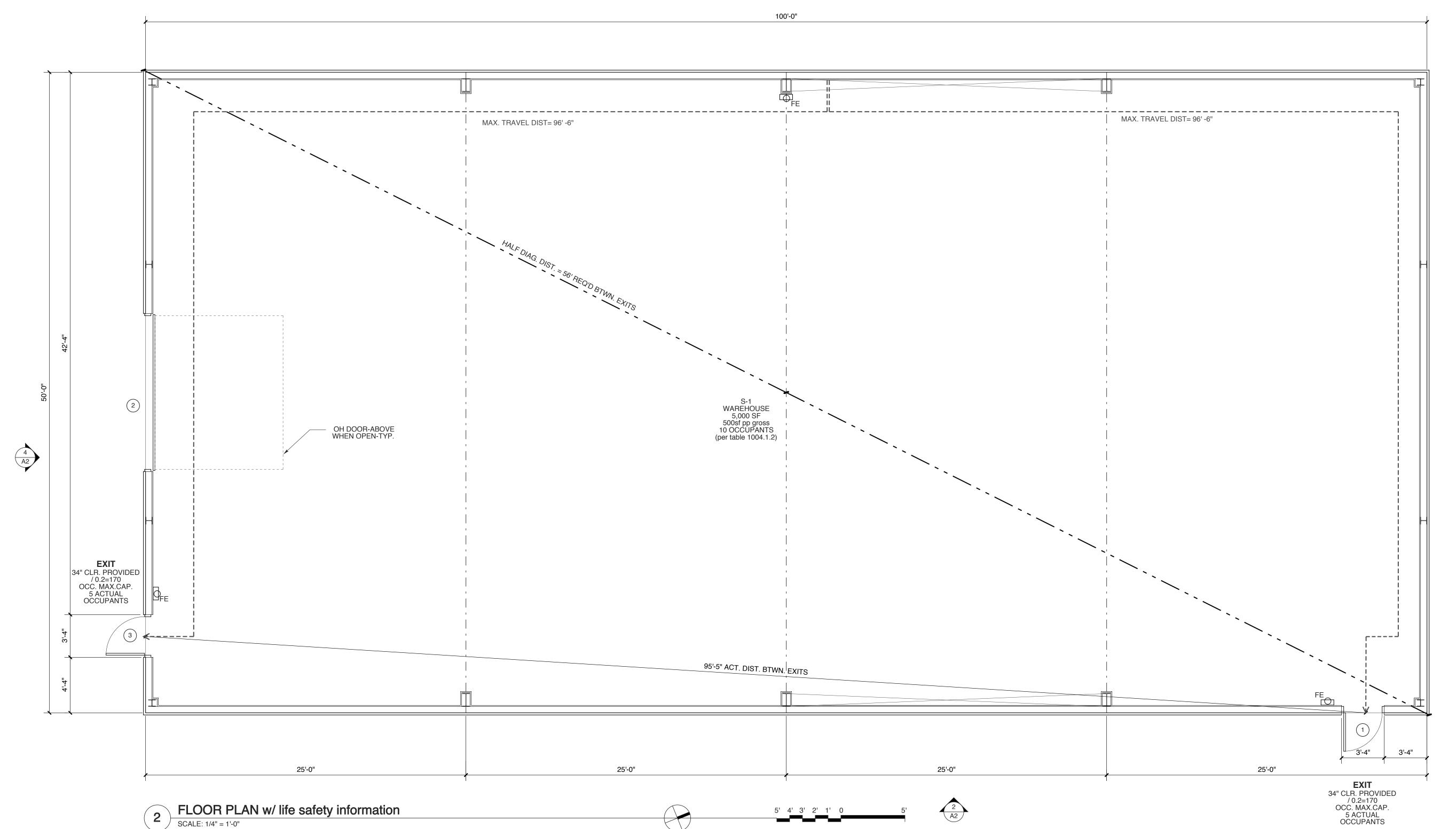
- COORDINATE KEYING OF HARDWARE WITH OWNER - DOOR HANDLES TO BE LEVER HANDLE - ALL DOORS TO MEET NCSBC SECTION 1609.1.2

ENTRY LOCKSET WITH CLOSER



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PROJECT TITLE REVELS STORAGE BLDG. 5118 RAWLS CHURCH ROAD FUQUAY-VARINA, NC

PROJECT NO. 2525 DRAWING TITLE

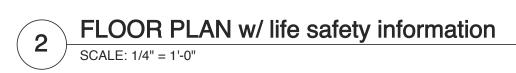
PLANS

SHEET 2

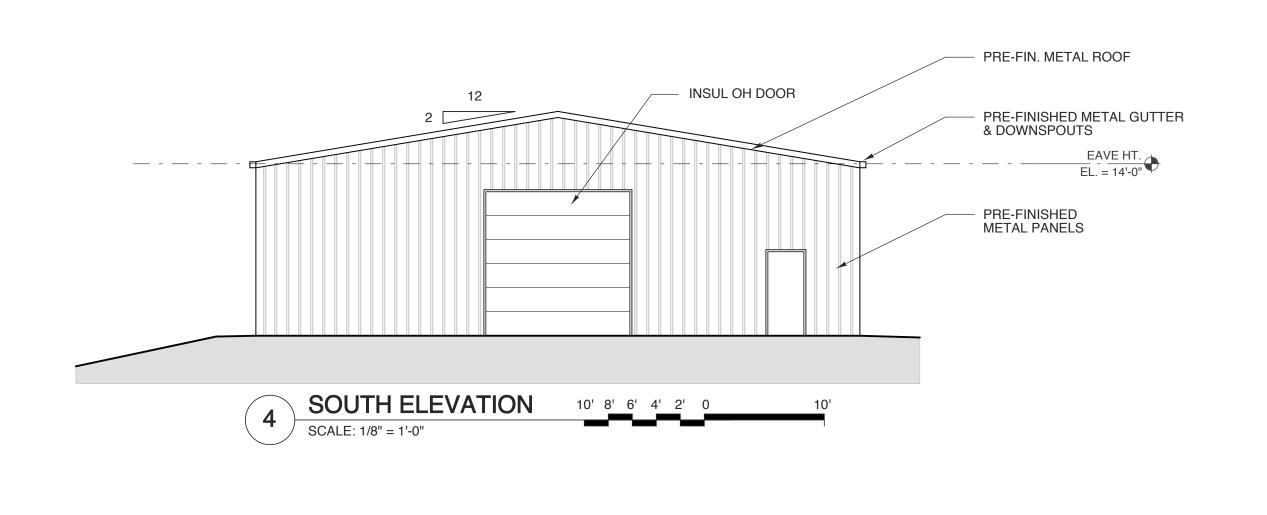


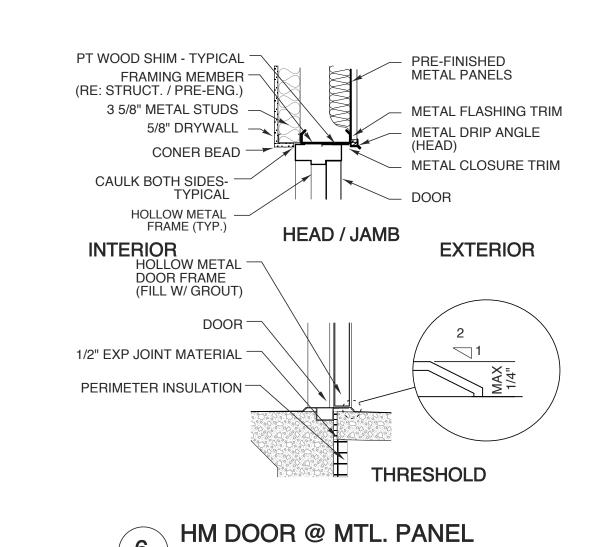
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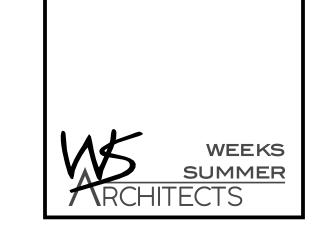






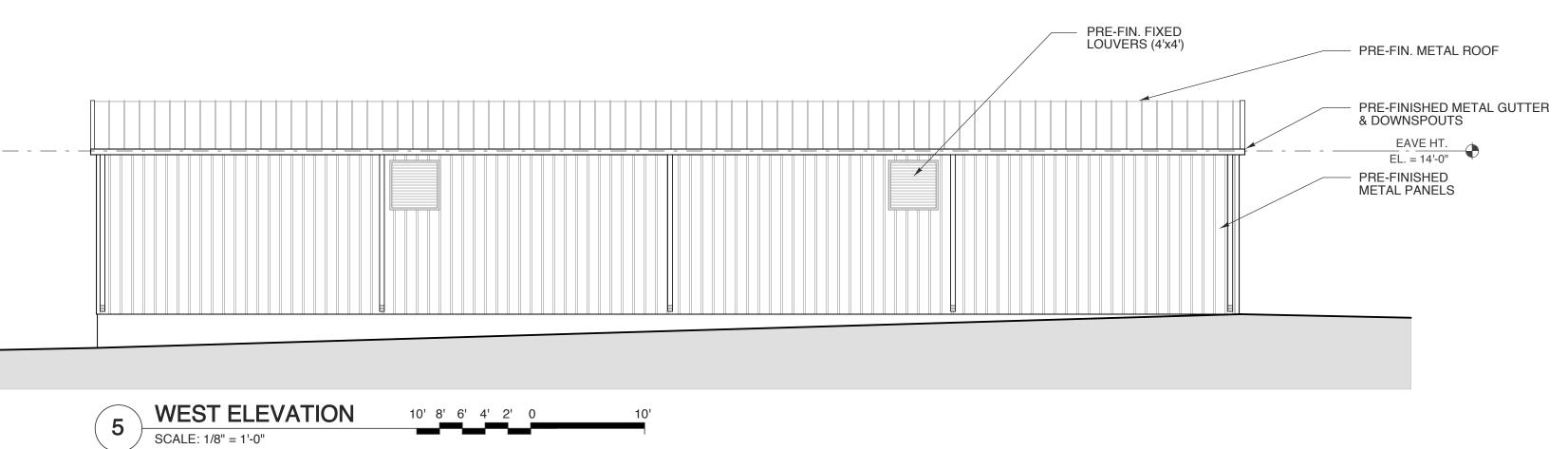


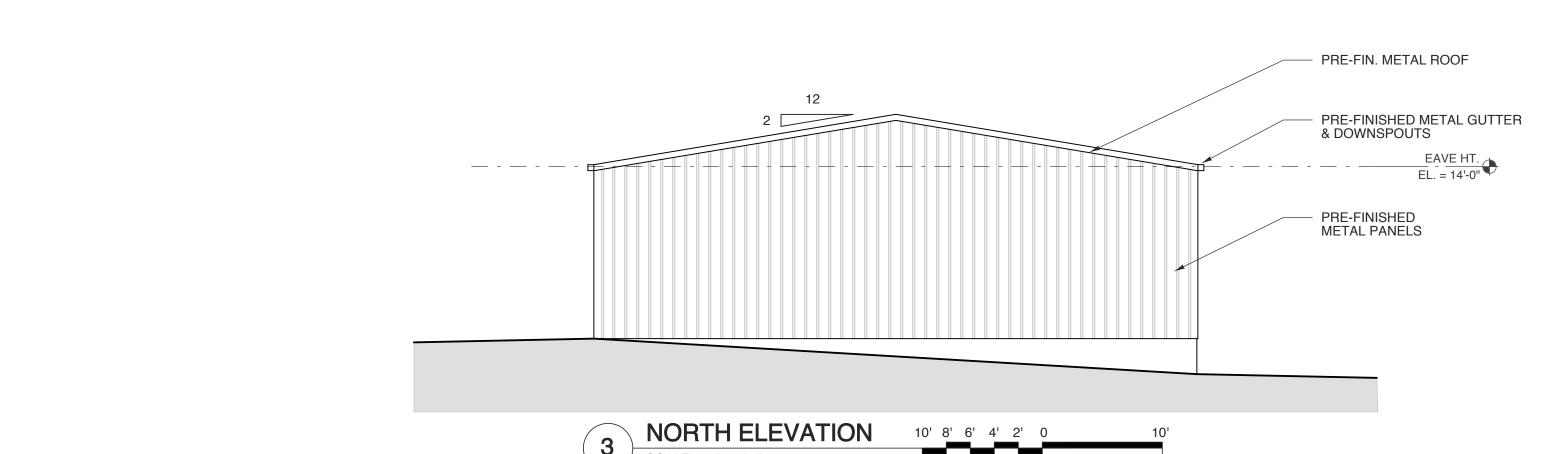
SCALE: 3/4" = 1'-0"

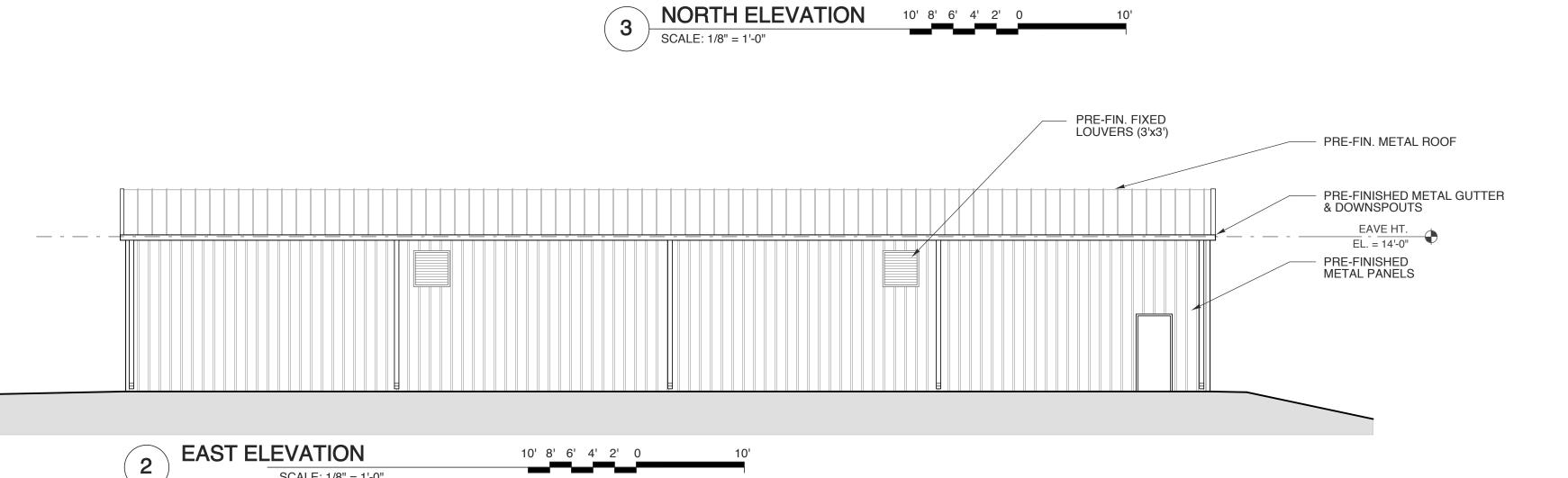


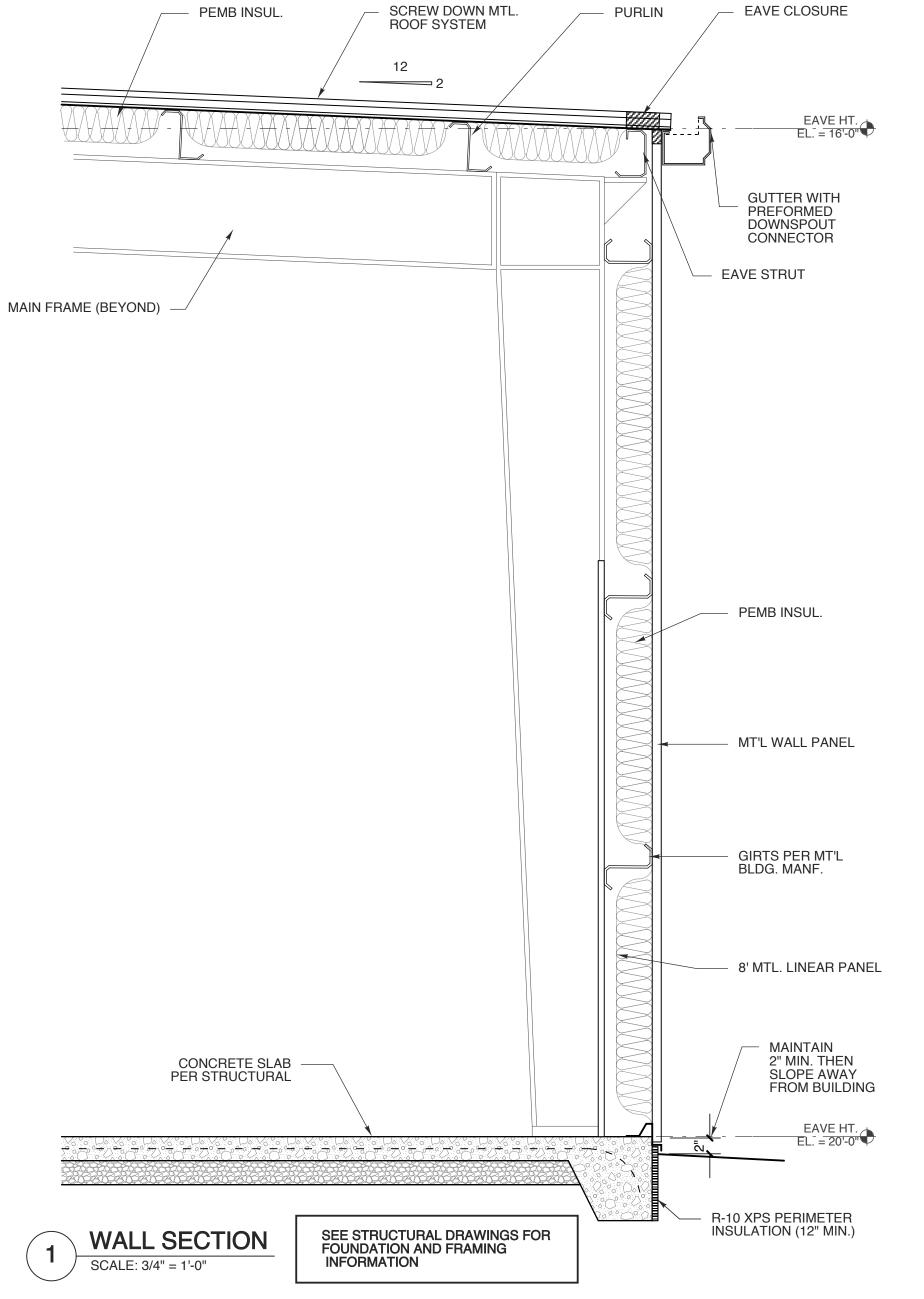
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PROJECT TITLE
REVELS
STORAGE BLDG.
5118 RAWLS CHURCH ROAD
FUQUAY-VARINA, NC

PROJECT NO.
2525

DRAWING TITLE

ELEV & SECTION

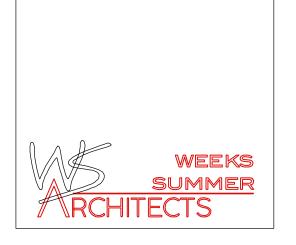
A2

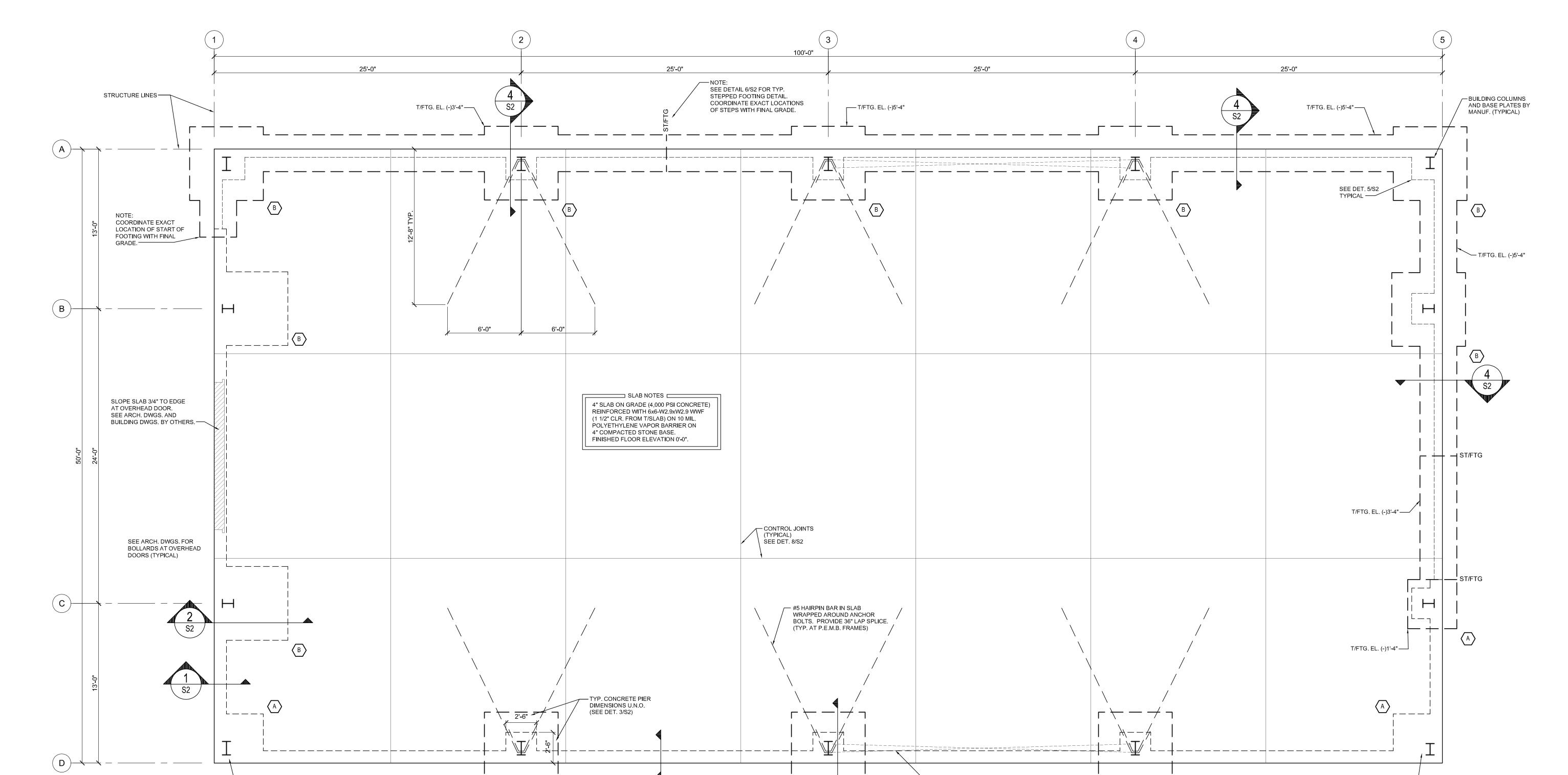
11/13/25

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FOOTING SCHEDULE										
MARK		SIZE		REINFOR	RCEMENT					
\bigcirc	N-S	E-W	THK.	N-S	E-W					
Α	4'-0"	4'-0"	1'-4"	#5 AT 12"	#5 AT 12"					
В	6'-0"	6'-0"	1'-6"	#5 AT 12"	#5 AT 12"					

T/FTG. EL. (-)1'-4"-----

NOTE:
FOOTINGS AT COLUMNS B1, C1,
AND D1 ARE THICKENED SLABS

POURED MONOLITHICALLY WITH

CONCRETE FOR SLAB ON GRADE.



T/FTG. EL. (-)1'-4" —



T/FTG. EL. (-)1'-4" ——

— SEE SCHEDULE FOR

COL. FTG. THICKNESS AND REINF. TYPICAL

- X-BRACING BY BUILDING

SUPPLIER. SEE ARCH. DWGS.

AND BUILDING DRAWINGS FOR SIZE AND LOCATION. W.S. ARCHITECTS, PA 3305-109 Durham Drive Raleigh, North Carolina 27603 919.779.9797 www.wsarchitectspa.com

ROSS LINDEN
ENGINEERS PC
709 W. JONES STREET RALEIGH, NC 27603
TEL 919.832.5680 WWW.ROSSLINDEN.COM
NC LICENSE NO. C-2364



PROJECT TITLE

REVELS

STORAGE BLDG.

5118 RAWLS CHURCH RD.
FUQUAY-VARINA, NC

PROJECT NO.

C251005

DRAWING TITLE

FOOTINGS AT COLUMN D5 IS A THICKENED SLAB POURED

FOR SLAB ON GRADE.

MONOLITHICALLY WITH CONCRETE

FOUNDATION PLAN

SHEET 0 OF 0

SI

PLOT DATE 11/12/2025 REVISION

STRUCTURAL NOTES

I. GENERAL

1. DESIGN CODES

NORTH CAROLINA BUILDING CODE, 2018 EDITION (AMENDED 2015 INTERNATIONAL BUILDING CODE)

ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)

AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN

ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER

STRUCTURES

2. DESIGN LOADS

LIVE LOADS: FLOOR: 100 PSF ROOF: 20 PSF

ULTIMATE DESIGN WIND SPEED: 105 MPH (RISK CATEGORY I)

GROUND SNOW LOAD: 15 PSF

SITE CLASS D

Ss = 0.173 S1 = 0.083 SEISMIC DESIGN CATEGORY B

OFF DDF ENGINEEDING METAL DUILDING DD

SEE PRE-ENGINEERING METAL BUILDING DRAWINGS BY OTHERS FOR FULL STRUCTURAL DESIGN LOAD SUMMARY USED FOR BUILDING DESIGN.

3. ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR ELEVATION OF 0'-0".

4. BUILDING DESIGN AND MAXIMUM FOUNDATION REACTIONS PROVIDED BY VP BUILDINGS, JOB NUMBER 25-026052-01, DATED 30 OCTOBER 2025. FOUNDATION DESIGN IS BASED ON MAXIMUM AND MINIMUM LOADING CONDITIONS PROVIDED BY THE BUILDING DESIGNER.

5. SEE BUILDING DRAWINGS FOR COLUMN AND BASE PLATE SIZES AND LOCATIONS.

6. ANCHOR BOLT DESIGN PROVIDED BY BUILDING DESIGNER. ANCHOR BOLT EMBEDMENT ONLY IS PROVIDED ON DRAWING S2.

7. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.

8. ROSS LINDEN ENGINEERS PC ASSUMES NO LIABILITY FOR CHANGES OR MODIFICATIONS MADE TO THESE DRAWINGS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THESE DRAWINGS.

II. CONCRETE

1. UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL HAVE THE FOLLOWING STRENGTH AND SLUMP REQUIREMENTS: 4,000 PSI 28-DAY COMPRESSIVE STRENGTH, MAX. 5" SLUMP.

2. ALL CONCRETE SHALL BE MOIST CURED PER ACI 301 OR CURED WITH AN APPROVED CURING COMPOUND. CONTRACTOR SHALL VERIFY THAT THE CURING COMPOUND IS COMPATIBLE WITH FLOOR COVERING ADHESIVES, COATINGS, OR

TOPPINGS TO BE USED. CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS.

3. UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL, CONFORMING TO ASTM A-615, GRADE 60, DEFORMED.

4. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES. (ACI 315)

5. ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES PER ACI 318-08, UNLESS OTHERWISE SHOWN.

6. ANCHOR BOLTS TO BE ASTM A36 OR A307.

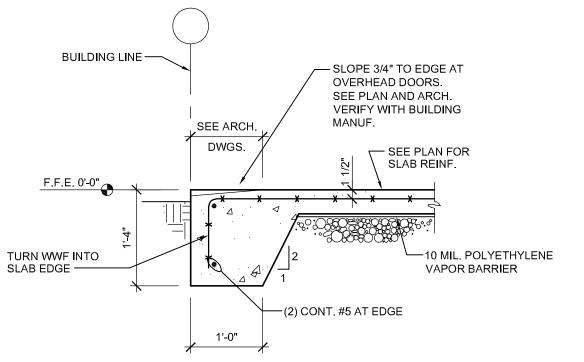
7. CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS.

8. ALL SPREAD FOOTINGS BEARING ON NATIVE SOIL OR STRUCTURAL FILL ARE DESIGNED FOR AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2,500 PSF. A GEOTECHNICAL REPRESENTATIVE SHALL INSPECT ALL FOOTING EXCAVATIONS TO CONFIRM ALLOWABLE BEARING PRESSURES.

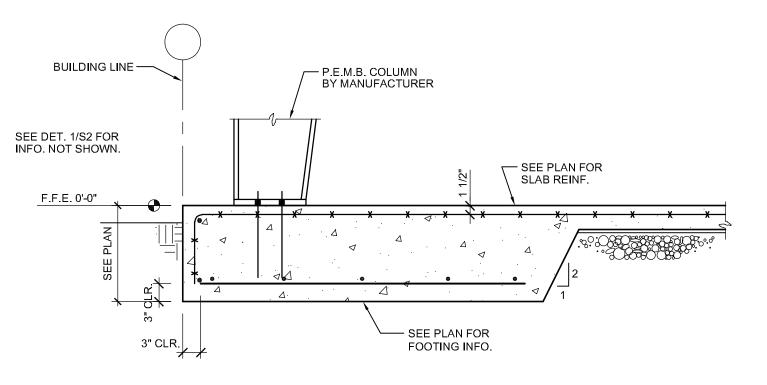
9. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE.

10. CONTRACTOR SHALL VERIFY ALL SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL OPENINGS AND EQUIPMENT PADS WITH THE MECHANICAL AND ELECTRICAL DETAILS AND SHOP DRAWINGS BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION FOR ALL UTILITIES THROUGHOUT THE BUILDING.

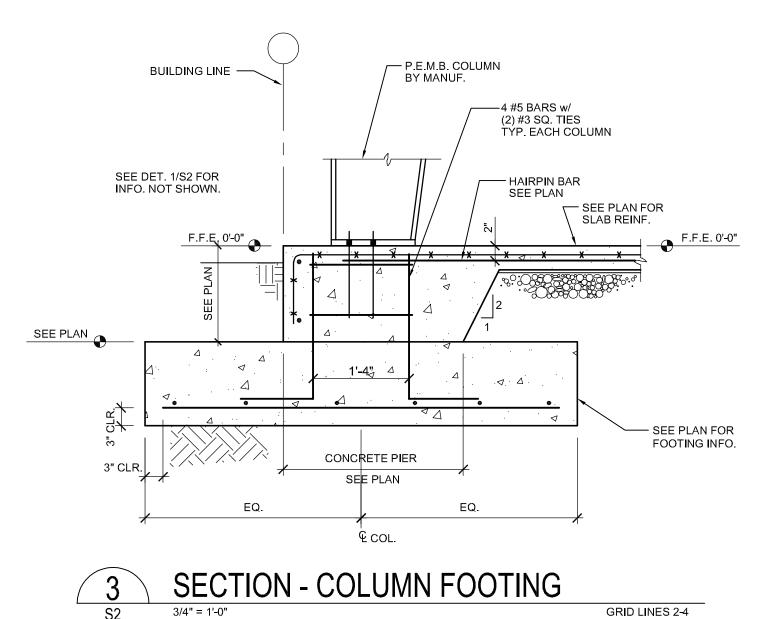
11. ALL DOWELS WHICH ARE TO BE DRILLED AND GROUTED INTO EXISTING CONCRETE SHALL BE DONE WITH AN EPOXY GROUT. DRILL HOLE WITH DIAMETER 1/8" LARGER THAN DOWEL OR AS RECOMMENDED BY GROUT SUPPLIER. USE HIT-RE 500 V3 BY HILTI OR APPROVED EQUAL.

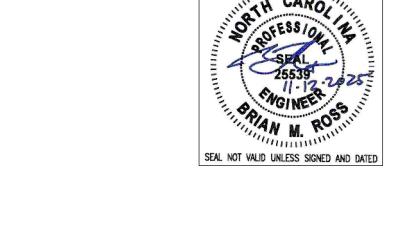












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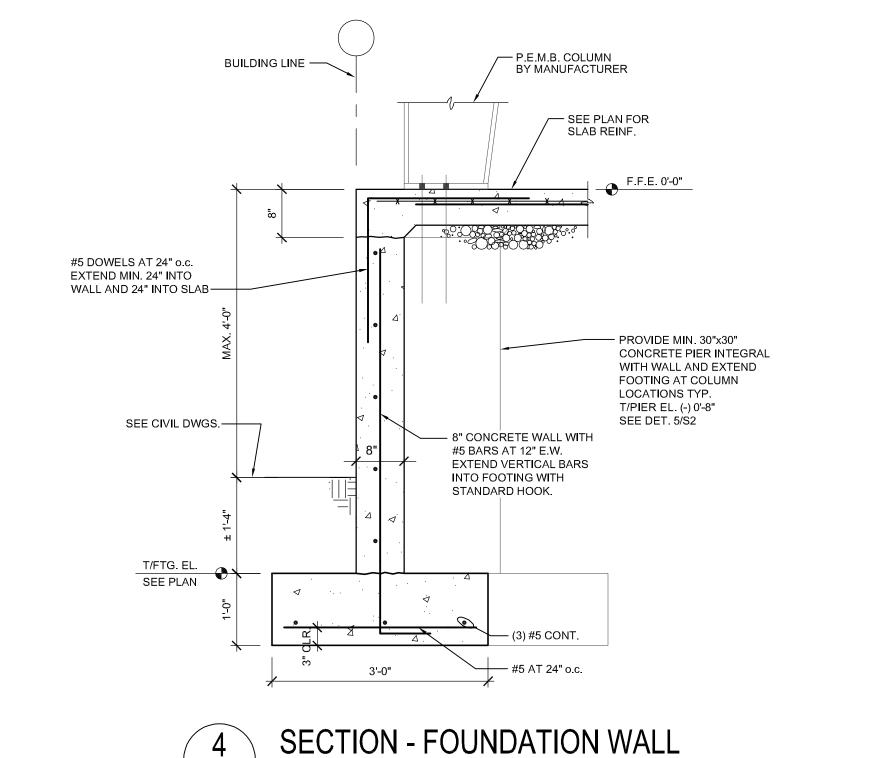
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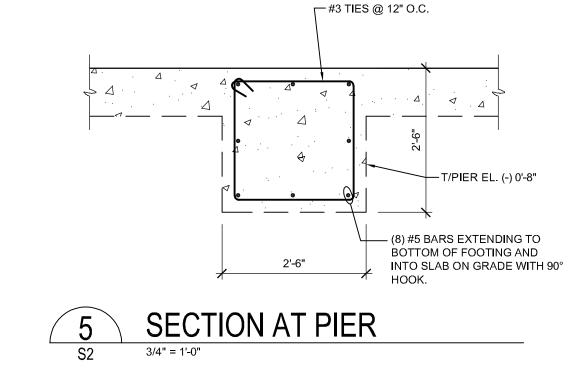
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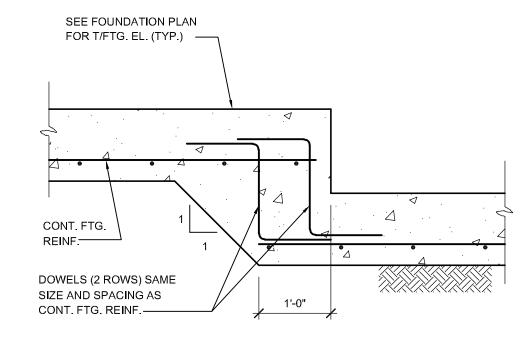
Raleigh, North Carolina 27603 919.779.9797

709 W. JONES STREET RALEIGH, NC 27603

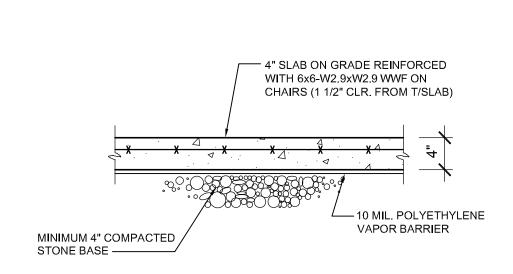
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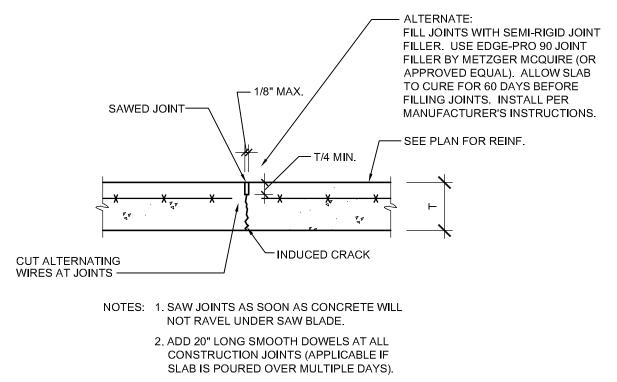




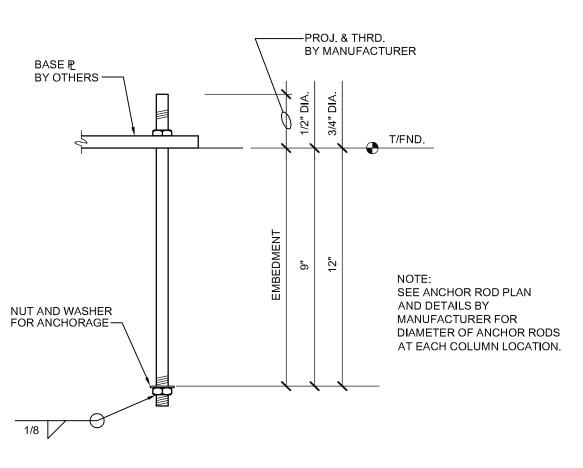




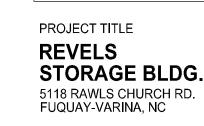








9 TYP. ANCHOR ROD DETAIL
NO SCALE



PROJECT NO.
C251005

DRAWING TITLE

STRUCTURAL NOTES
AND DETAILS



S2

PLOT DATE REVISION

11/12/2025

DIVISION 16 - ELECTRICAL

- PART 1 GENERAL
- 1.1 DESCRIPTION OF THE WORK A. Work under this section includes, but is not necessarily
- limited to, furnishing and installing the following:
- 1. Electrical service and service equipment. 2. Lighting and power distribution system.
- 3. Provide lighting fixtures selected by owner with lamps to match.
- 4. Wiring devices, boxes, cover plates, etc. 5. Source of power for all items of equipment.
- 6. Grounding. 7. Other requirements and/or systems where shown.
- B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct
- C. All work under this contract shall be installed in accordance with the latest edition of the following codes and
- standards insofar as they apply:
- 1. The 2020 National Electrical Code. 2. The National Electrical Safety Code.
- 3. Underwriter's Laboratories, Inc., Standards and approved listings.
- 4. Electrical Testing Labatories standards. 5. North Carolina Building Code, Latest Edition and Revisions.
- 6. All local codes and ordinances. D. The Electrical Contractor shall be licensed in the State of
- North Carolina and have all local licenses required for the work. E. Obtain all permits, licenses, inspections, etc., required for the work and pay for the same. Furnish final
- certificate of inspection and approval from the electrical inspector having jurisdiction prior to acceptance of the work.
- F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.
- 1.2 INTENT
- A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost

1.3 COORDINATION

- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming
- B. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.

1.4 SHOP DRAWINGS

A. Shop drawings shall be submitted for panels and service equipment, lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

PART 2 - PRODUCTS AND MATERIALS 2.1 GENERAL

- A. All material shall be new and shall bear the manufacturer's name, trade name, and UL label where such standard has been established for the particular material. Materials shall be the standard products of manufacturer's regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest
- approved design. 1. Boxes installed in concealed locations shall be set flush with
- the finished surfaces. 2. Provide rated boxes in all fire barriers & walls installed per code.

LAY-IN CEILING

- 2.2 NOT USED
- 2.3 CONDUCTORS
- A. Conductors shall be color coded, sizes #8 and larger may be color taped on the job. Color coding shall be: Standard Practice.
- B. Conductors shall be manufactured by Dodge, Southwire or approved equal. Conductors shall meet the latest requirements of NEMA and IPCEA and shall be UL approved.
- C. Metallic sheathed "MC" cable may be used where allowed by N.E.C. D. Conductors shall be spliced and taped as follows:
- 1. Size #10 and #12, use Ideal "Wing Nuts" or T&B "Piggy" connectors. Connectors shall be rated for 150 degrees C for use in recessed lighting fixtures.
- 2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shaped with rubber gum type with final cover vinyl plastic electrical type. In lieu of rubber gum and vinyl plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall
- be UL approved. 3. No split-bolt type connectors may be used.
- E. All branch wire and connections shall be copper and sized per National Electric Code.
- F. All conductors shall be continuous without splice between junction, outlet, device boxes, etc. No splicing will be permitted in panelboard cabinets, safety switches, etc.
- G. All wiring in mechanical spaces shall be plenum rated.
- H. Provide GFI protection within 6'-0" of any sink.
- I. All multi-wire branch circuits shall comply with 2020 NEC, 210.4(B).
- J. All wiring at medical facilities shall comply with 2020 NEC, 517.1.
- 2.4 PANELBOARDS, SAFETY SWITCHES
- A. Panelboards shall comply with NEMA Standard PB 1 Latest Edition and as manufactured by Square D or ITE—Siemens. B. The contractor shall be responsible for correctly phasing the
- circuits in the panelboards. Safety switches shall be general duty type, size and rating as required for lead service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be horsepower rated for load served.
- 2.5 NOT USED
- 2.6 WIRING DEVICES
- A. Wiring devices shall be commercial grade by Bryant, Leviton, or
- approved equal. With matching cover. Color by Architect. B. Wiring devices installed under a Kitchen Hood shall have stainless steel covers.
- C. Wiring devices installed over counters shall comply with ANSI A117.1.

2.7 NOT USED

- 2.8 CONDUIT
- A. PVC conduit will be allowed where N.E.C. approved. B. All service conduit shall be rigid where exposed below 8'-0" AFF or exposed to the elements or hazardous conditions.

- PART 3 EXECUTION
- 3.1 CIRCUIT GROUNDING A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-95 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the
- device or enclosure at the other end. 3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES
- A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the hex nut on the convenience outlet or switch.
- A. All motors shall be connected to conduit system with short length (minimum length 24" and maximum length 36") of flexible liquidtight

-NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION

ELECTRICAL EQUIPMENT SPACE SHALL

BE NOT LESS THAN THE WIDTH AND DEPTH OF THE EQUIPMENT.

SHALL PENETRATE THIS ZONE.

-SPACE CONTINUES THRU SUSPENDED CEILING.

DEDICATED ELECTRICAL

FLOOR

ELECTRICAL EQUIPMENT DEDICATED SPACE

PER ARTICLE 110.26.F.1 OF N.E.C.

DEDICATED SPACE

SPACE-ABOVE AND BELOW

3.4 NOT USED

3.5 EQUIPMENT LABELING

- A. Provide permanent name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel screws. Nameplates shall include the name of the equipment and where it is fed from. B. All switch plates, receptacle plates and outlet covers shall be labeled
- with machine printed vinyl labels identifying the circuit(s) within. C. All empty conduit runs shall be identified and indicated
- D. Provide typewritten directory in each panelboard to clearly identify each circuit, service, etc.

3.6 NOT USED

3.7 NOT USED 3.8 JUNCTION AND/OR PULL BOXES

where they terminate.

- A. Boxes shall be installed where necessary to avoid excessive runs and/or too many bends between outlets.
- 3.9 PULL WIRE A. Leave pull wire in each empty conduit run.
- 3.10 NOT USED
- 3.11 GROUNDING
- A. All grounding shall be in accordance with Article 250 of the NEC. In addition, the following requirements shall be met: 1. Grounding conductors shall be installed as to permit the
- shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible. 2. Equipment ground continuity shall be maintained through flexible metal conduit.
- 3. All wiring devices equipped with grounding connection shall be solidly grounded to ground system with grounding conductors.
- 4. The frame of all lighting fixtures shall be securely grounded to the equipment ground system with grounding conductors. 5. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be
- effectively and adequately bonded to ground. 6. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.

3.12 ELECTRICAL WORK IN CONNECTION WITH OTHER WORK

- A. PLUMBING WORK: The Electrical Contractor shall furnish and install switches and devices as shown and electrically connect electric water heaters, etc. All other electrical work required will be performed by the PLUMBING CONTRACTOR.
- B. HEATING AND AIR CONDITIONING WORK: The Electrical Contractor shall provide all disconnect switches, starters, and associated hardware for the equipment furnished including all line and load side wiring and conduit. Final connections to the equipment will be by the HVAC contractor. All control wiring will be accomplished by the HVAC contractor. Coordinate all work associated with the HVAC

contractor. 3.13 CLEAN UP

A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.

3.14 GUARANTEE

A. Guarantee all materials and labor included in the electrical work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no

GENERAL NOTES

- 1 ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES HAVING JURISDICTION.
- 2 ALL BRANCH CIRCUIT CONDUCTORS TO BE COPPER (SERVICE CONDUCTORS MAY BE ALUMINUM WITH SAME AMPACITY AS COPPER CONDUCTORS. RE-SIZE CONDUCTERS AND CONDUIT PER NEC.)
- 3 ALL CIRCUITS TO BE 2 #12, 1 #12 GND IN 1/2" EMT CONDUIT AS A MINIMUM. PROVIDE WIRING FOR LARGER CIRCUITS AS REQUIRED BY NEC. RIGID CONDUIT IS REQUIRED WHERE EXPOSED BELOW 8'-0" A.F.F.
- 4 ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE/CORD.
- 5 CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.
- 6 ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 120 FEET ON 120V AND 208V CIRCUITS.
- 7 THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OR NOT.
- 8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS
- 9 THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR TO INSURE THAT ALL LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.
- 10 ELECTRICAL REQUIREMENTS INDICATED ON DRAWINGS MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
- 11 IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT BREAKER REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO ORDERING PANEL. ADJUST BREAKER AND WIRE SIZES AS REQUIRED.
- 12 PROVIDE BOXES, JACKS, WIRING AND CONDUIT FROM LOCATIONS SHOWN TO MTP LOCATION. VERIFY EXACT REQUIREMENTS WITH OWNER.
- 13 ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS FOR MECHANICAL & PLUMBING EQUIPMENT. DISCONNECTS SHALL BE PER MANUFACTURES RECOMMENDATIONS AND FUSED PER NAME PLATE. PROVIDE NEMA 3R ENCLOSURES ON EXTERIOR. COORDINATE FUSE SIZES.
- 14 THE EC SHALL MEET WITH THE ARCHITECT AND TENANT PRIOR TO INSTALLING OUTLET BOXES TO VERIFY LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES AND TELEPHONE

ELECTRICAL LEGEND

LIGHT FIXTURE: LETTER DENOTES FIXTURE TYPE (REFER TO LIGHTING PLAN AND FIXTURE SCHEDULE). O_{x} NL = NIGHT LIGHT (NOT SWITCHED/ALWAYS ON)

DUPLEX RECEPTACLE - 120V; MOUNT 18" TO CENTER AFF UNLESS NOTED OTHERWISE; 'WP' INDICATES WEATHER PROOF, 'GFI' INDICATES GROUND FAULT CURRENT INTERRUPT PROTECTED. 'U' INDICATES RECEPTACLE WITH (2) USB PORTS.

QUADRAPLEX RECEPTACLE - 120V

FLOOR OR CEILING OUTLET (AS NOTED) - 120V SPECIAL PURPOSE RECEPTACLE - REFER TO

LIGHT SWITCH

SWITCH WITH INTEGRAL PIR/US MOTION SENSOR FOR AUTOMATIC

DIMMABLE LIGHT SWITCH

JUNCTION BOX

TELE/DATA OUTLET - PROVIDE JUNCTION BOX WITH CONDUIT

SINGLE-POLE HOMERUN TO PANELBOARD

EXIT EXIT LIGHT

PHOTOCELL (LED COMPLIANT)

BRANCH CIRCUIT WIRING

GROUND CONNECTION

DISCONNECTING MEANS AS REQUIRED BY CODE

APPENDIX B

FOR ALL COMMERCIAL PROJECTS

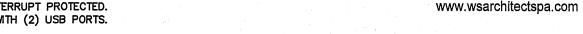
ELECTRICAL SYSTEM AND EQUIPMENT

Lighting Schedule

lamp type required in fixture number of lamps in fixture ballast type used in fixture number of ballasts in fixture total wattage in fixture total interior wattage specified vs. allowed total exterior wattage specified vs. allowed

Additional Prescriptive Compliance

506.2.2 Reduced Lighting Power Density 506.2.5 On-Site Supply of Renewable Energy 506.2.6 automatic Daylighting Control System



POWER PLAN AND PANEL SCHEDULE

SHUT-OFF WITH UP TO 2 HOUR ADJUSTABLE DELAY.

MOTOR RATED SWITCH

BACK TO MTP. PROVIDE (1) TELEPHONE JACK AND (1) CAT 5 DATA JACK

TWO-POLE OR 3-POLE HOMERUN TO PANELBOARD

EMERGENCY EGRESS FIXTURE

---- SWITCH LEG

DISTRIBUTION PANELBOARD PANEL A

2018 BUILDING CODE SUMMARY

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SUMMARY

Method of Compliance

Energy Cost Budget ASHRAE 90.1: Energy Cost Budget

506.2.1 More Efficient Mechanical Equipment 506.2.3 Energy Recovery Ventilation Systems 506.2.4 Higher Efficiency Service Water Heater



- STRUCTURAL CEILING

- SUSPENDED CEILING

- ELECTRICAL EQUIPMENT

EVEN WITH FRONT EDGE

DEDICATED ELECTRICAL

THIS FIGURE ILLUSTRATES THE WORKING

EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR

INSULATED BUSBARS OPERATING AT NOT OVER 300V

2 EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED

5 EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1)

SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110-16

WHERE THE CONDITIONS ARE AS FOLLOWS:

SHALL NOT BE CONSIDERED LIVE PARTS.

OF THE N.E.C.

PARTS ON THE OTHER SIDE.

OF EQUIPMENT

30" MINIMUM OR WIDTH OF EQUIP.

ELECTRICAL EQUIPMENT WORKING CLEARANCE

PER ARTICLE 110-26 OF N.E.C.

WORKING CLEARANCES

ONDITION: 1

MIN. CLEAR DISTANCE IN FEET

3-1/2

PROJECT TITLE REVELS STORAGE BUILDING 5118 RAWLS CHURCH ROAD

FUQUAY VARINA, NORTH CAROLINA

WEEKS

SUMMER

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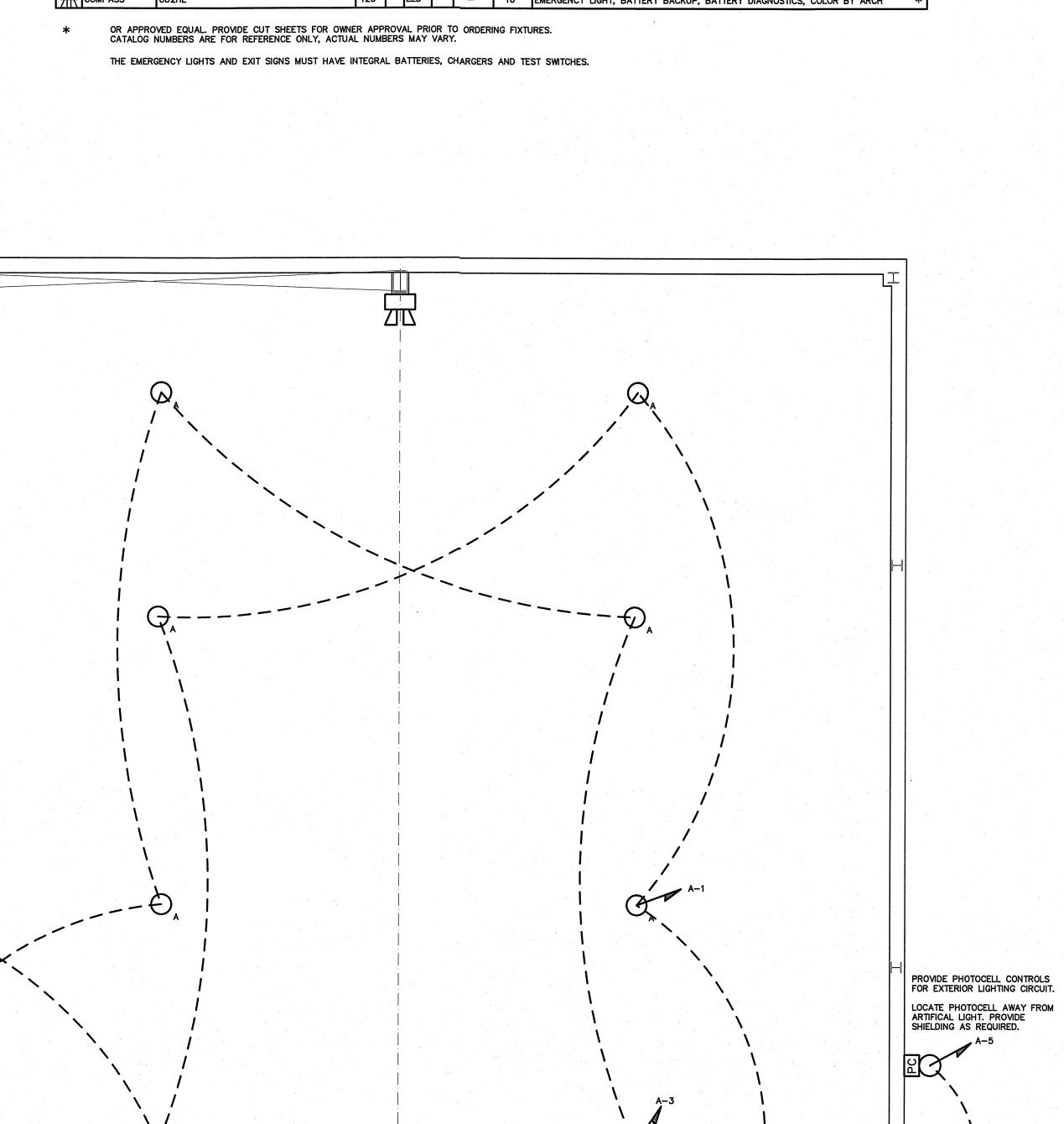
PROJECT NO. 23-018589-01 DRAWING TITLE ELECTRICAL SPECS

11/05/2025

PLOT DATE

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Pavela	Storage Shelter F2							25 2.50		
Reveis	Storage Shelter E2	IGHTING SCHEDULE *								
MARK	MANUFACTURER	CATALOG NO.	VOLT.	NO.	LAMPS TYPE	W	BALLAST TYPE	W/ FIXTURE	REMARKS	
Α	SUNCO	HB_UF0-150W-5K-1PK		1	LED	-	_		UFO STYLE HIGH BAY LED	*
E	COMPASS	cuso	120	-	LED	-	-	17	EXTERIOR NORMAL/EMERGENCY LIGHT FIXTURE- COLOR BY ARCH	*
煕	COMPASS	CCR	120		LED	-	-	4	COMBINATION EMERGENCY (TUNGSTEN)/ EXIT (LED) LIGHT	*
显	COMPASS	CU2HL	120	<u> -</u>	LED		_	10	EMERGENCY LIGHT, BATTERY BACKUP, BATTERY DIAGNOSTICS, COLOR BY ARCH	*

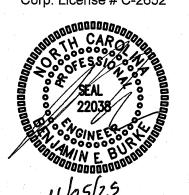


WEEKS SUMMER

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PROJECT TITLE REVELS STORAGE BUILDING

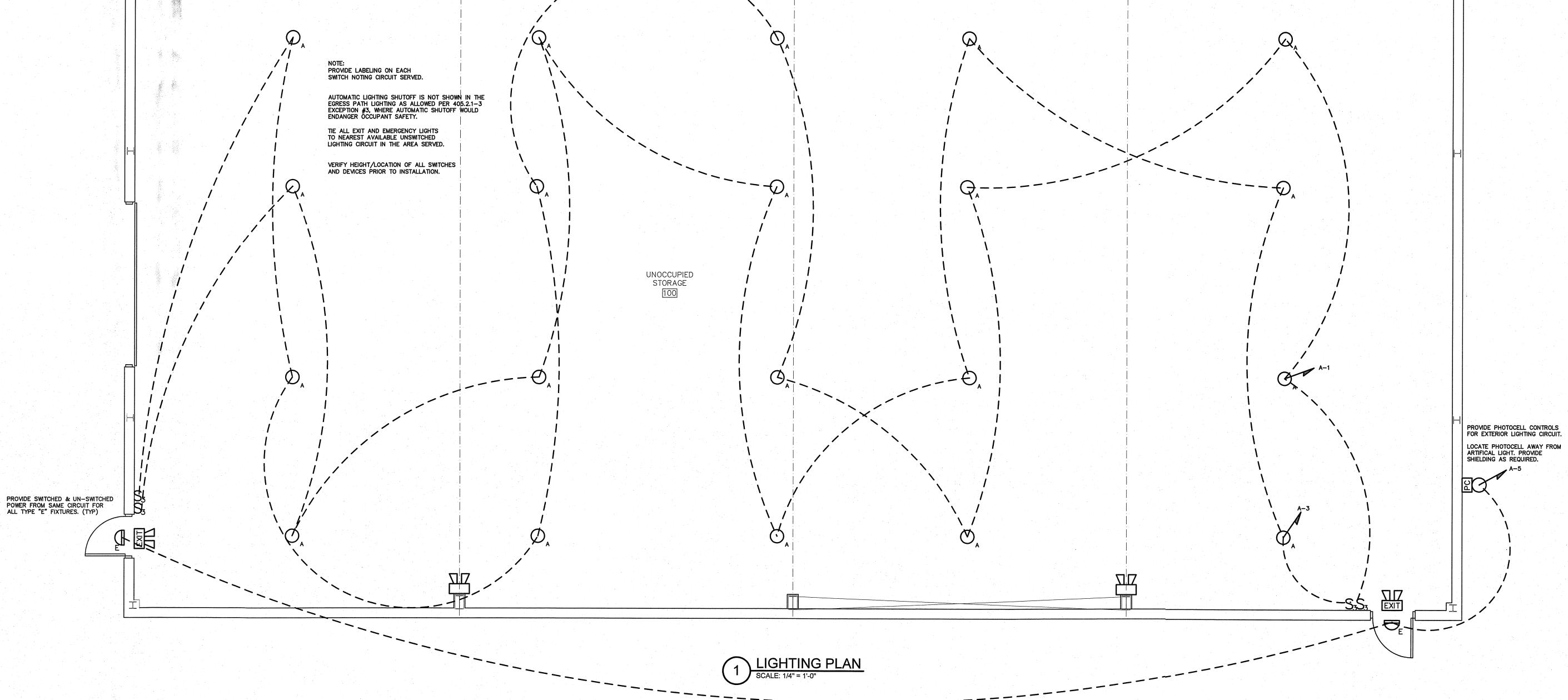
5118 RAWLS CHURCH ROAD FUQUAY VARINA, NORTH CAROLINA

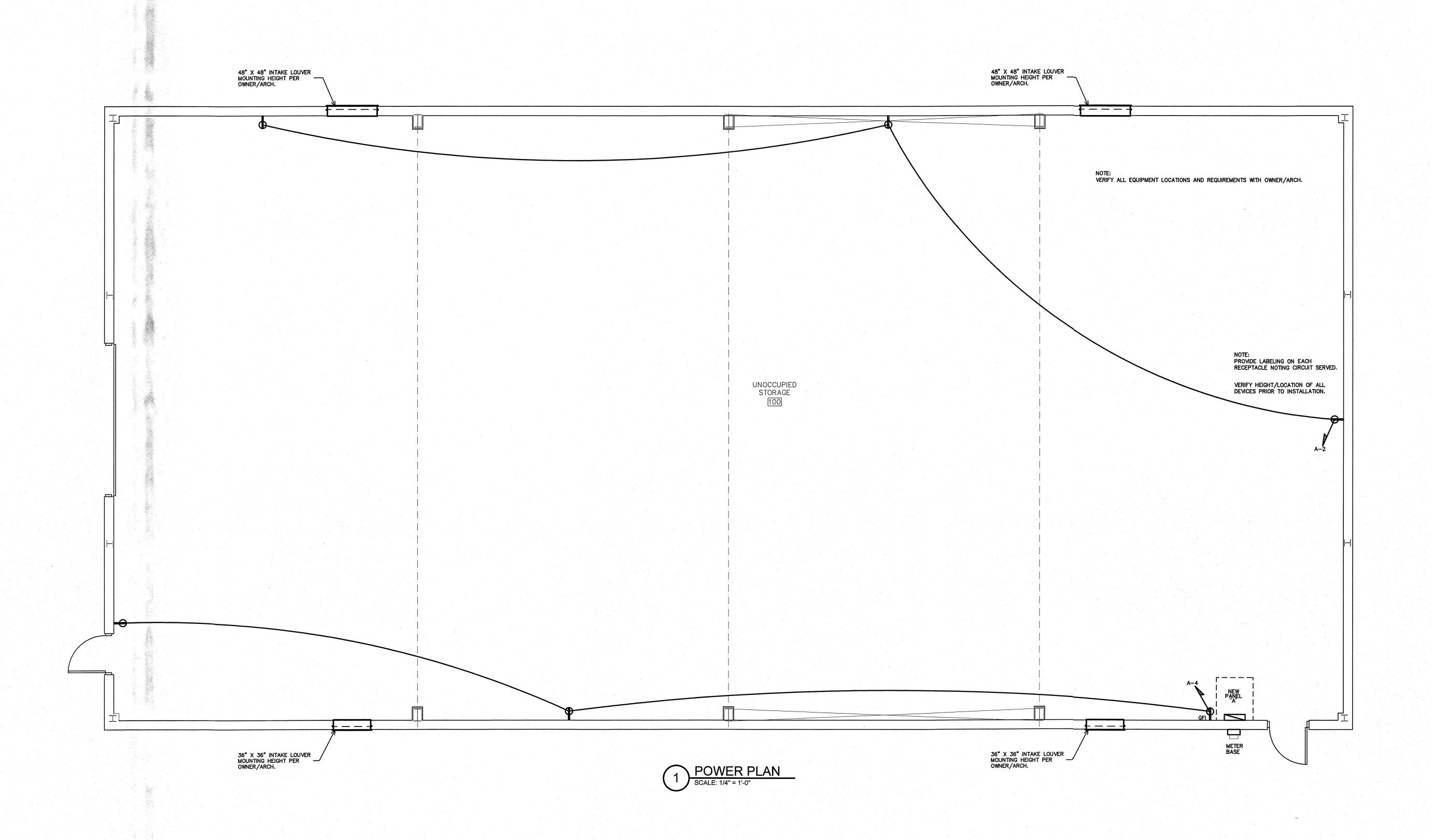
PROJECT NO. 23-018589-01 DRAWING TITLE LIGHTING PLAN

PLOT DATE

11/05/2025

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ENGINEER



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PROJECT TITLE REVELS STORAGE BUILDING

5118 RAWLS CHURCH ROAD FUQUAY VARINA, NORTH CAROLINA

PROJECT NO. 23-018589-01 DRAWING TITLE POWER PLAN

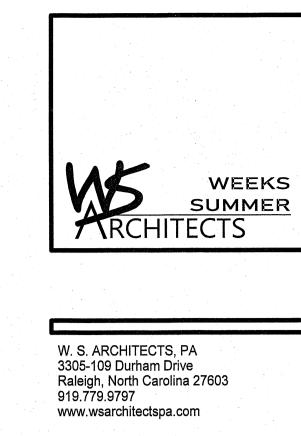


PLOT DATE

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Revels Storage Shelter E4 NEW PANEL— 'A'	MAKE: _				120/240_		3 WIRE			UIT BREAKE	
INCM PAINTE A	TYPE: _	CH LOAD	CENTER M	OUNTIN	G: SURFACE	<u> </u>	·			ID BUS	* 1
			М	INIMUM	AIC: VERI	FY		SERVICE EN	NTRY R	ated	`XYES □NO
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TS- HIGH BAYS	20A	1500		1	\sim	2	540		20A	REC- GENE	RAL
TS- HIGH BAYS	20A		1500	3		4		540	20A	REC- GENE	RAL
TS- EXTERIOR	20A	34		5		6			20A	SPARE	
SPARE	20A		T	7		8			20A	SPARE	
SPARE	20A			9		10			20A	SPARE	
SPARE	20A			11		12			20A	SPARE	
SPARE	20A			13		14			20A	SPARE	
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					200A 200A	FEED	2074	2040		D TOTAL	TOTAL CONNECTED
					VERIFY	SIZE	17A	17A		/PHASE	
NEC ALLOWABLE DEMA	AND FACTO	PC .	DIVERS	IFIFD	LOAD SUN			1	1 7 am C	/ 1 1 I/ CL	
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(2) LARGEST OF: NEC TAB						FACTOR ①	A	B	IUIA		D LOAD
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3 NEC TABLE 220.56			GENERAL U	JSE	4	10KVA@100%	540	540		1080	
(4) NEC 220.51			RECEPTACI			10KVA 0 50%					
(5) NEC 220.43A, 200 VA/	INFAR FT		MOTORS A EQUIPMENT	_	ARGEST	125% 100%			ļ		
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OF THE TWO LOADS IS	SOUTIED		FIX. ELEC.			100%		 			
			SHOW WIND	DOW LIG		125%					
			SIGN			125%					
			MISC		641464	100%	0450			4077	
					PHASE (TO	TAL VA)	2458	2415	100	4873	TATAL
						TOTAL AMPS	20A	20A		LT AMPS VOLTS	= 20A TOTAL AMPS



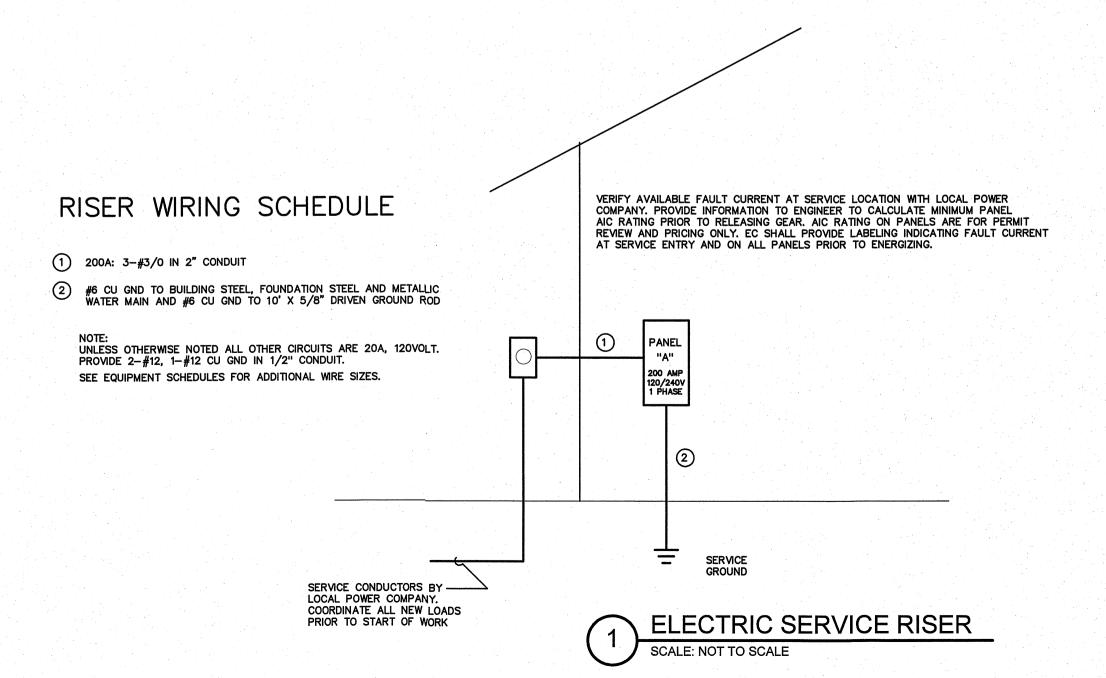
ENGINEER

BURIKE DESIGN GROUP, Pa
CONSULTING ENGINEERS



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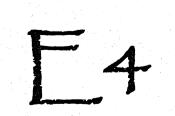
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PROJECT TITLE
REVELS STORAGE BUILDING

5118 RAWLS CHURCH ROAD FUQUAY VARINA, NORTH CAROLINA

PROJECT NO.
23-018589-01
DRAWING TITLE
PANEL AND RISER



PLOT DATE

11/05/2025

This original sheet is 24" x 36"; other dimensions indicate it has been altered.

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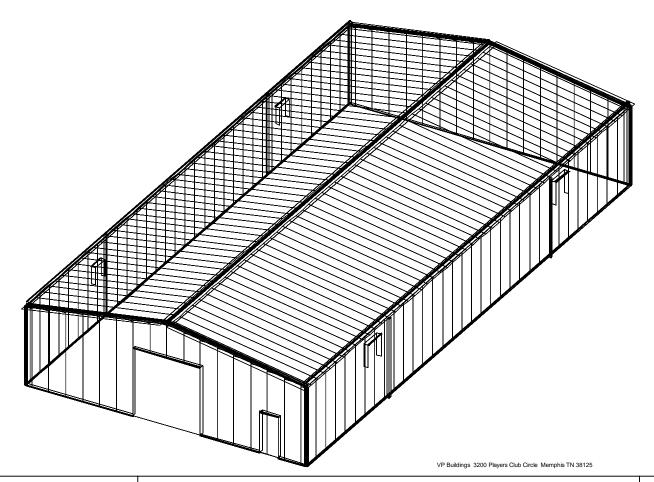
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Drawing Index		Drawing	Release Histo	ory
Drawing Title	Pages	Туре	Date	Description
Cover Sheet	1	Anchor Rod Drawings Rev 0	10/29/2025	FOR CONSTRUCTION
Codes and Loads	2	Erection Drawings Rev 0	11/07/2025	FOR CONSTRUCTION
Notes	3			
Anchor Rod Plan	4			
Primary Structural	5-11			
Secondary Structural	12-20			
Covering	21-32			
Special Drawings				
Standard Erection Details				
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BASIC ERECTION GUIDE 4001

SSR ROOF PANEL ERECTION GUIDE 4005

BASIC PANELS AND ACCESSORIES ERECTION GUIDE 4003



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The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

Materials

als ASTM Designation

3 Plate Welded Sections A529, A572, A1011, A1018
Cold Formed Light Gage Shapes A653, A1011

Cold Formed Light Gage Shapes Brace Rods Hot Rolled Mill Shapes Hot Rolled Angles Hollow Structural Section (HSS) Cladding A529, A572, A1011, A1018 Grac A653, A1011 Grac A572, A510 Grac A36, A529, A572, A588, A992 Grac A529, A572, A588, A992 Grac A500 Grac A653, A792 Grac

Grade 55 Grade 60 Grade 50 Grade 36 or 50 Grade 50 Grade B Grade 50 or Grade 80

High Strength Bolt Tightening Requirements

It is the responsibility of the erector to ensure proper bolt tightness in accordance with applicable regulations. See RCSC specification for structural joints using high strength bolts for more information. See erection guide for bolt tightneing instructions. The following criteria may be used to determine the bolt tightness (i.e.-snug tight or pre-tension) unless required otherwise by local jurisdiction or contract.

All A490 bolts shall be "pre-tensioned". A325 bolts in primary framing and bracing connections may be "snug-tight" except as follows;

General Notes

Pre-tension A325 bolts if building supports a crane greater than 5 ton capacity.

Pre-tension A325 bolts if building supports machinery that creates vibration, impact, or stress reversals on connections.

Pre-tension A325 bolts if located in high seismic areas. For IBC based codes; high seismic is design category D, E or F. See codes and loads section below for details.

Pre-tension any connection with designation A325-SC. Slip critical (SC) connections must be free of paint, oil or other materials that reduce friction at contact surfaces. Galvanized or lightly rusted surfaces are acceptable.

In Canada, all A325 and A490 bolts shall be "pre-tensioned", except for secondary members and flange braces.

Secondary members and flange brace connections are always "snug tight", unless indicated otherwise in erection drawing details.

Inspection and Testing

Special inspections and testing required by Authority Having Jurisdiction (AHJ) during construction and/or steel fabrication is the responsibility of the owner or owners authorized agent. When required, the owner shall employ a Quality Assurance Agency (QAA) approved by the AHJ. The builder is responsible to coordinate between the QAA firm and BBNA Fabrication Facilities. The type and extent of special inspections and NDT weld testing must be specifically stipulated in contract documents or BBNA will assume special inspections and/or NDT testing are waived as permitted by the building code based on BBNA facilities IAS AC472 accreditation.

NOTES:

THIS BUILDING WAS DESIGNED WITH AN ENCLOSED WIND ENCLOSURE CONDITION. OPEN WALLS, APERTURES OR HOLES HAVE TO BE CLOSED DURING HIGH WIND EVENTS.

COLLATERAL LOADS SHOULD BE UNIFORMLY DISTRIBUTED ON PRIMARY AND SECONDARY MEMBERS. THE RECOMMENDED METHOD OF LOAD ATTACHMENT TO A PURLIN'S WEB OR FLANGE CAN BE FOUND ON B-081465 PLANOGRAPH.

THIS BUILDING IS NOT DESIGNED FOR ANY CONCENTRATED ROOF LOADS BIGGER THAN 250 LB OR SPRINKLER PIPES WITH DIAMETER BIGGER THAN 4" (UNLESS THEY ARE CALLED OUT IN THE ROOF SECONDARY PLAN). VP ENGINEERING APPROVAL WILL BE REQUIRED IF THESE PARAMETERS ARE EXCEEDED.



11/6/2025 RV REVIEWED PAGES 1-20

Builder GREGORY DEVELOPMENT, LLC

Customer Matt Johnson

Location Fuquay Varina, North Carolina

Project Revels Tractor Storage Shed

Builders PO#

Builders

11/3/2025 13:06:21

Filename: 2176-26-0239_Revels Tractor Storage Shed-F

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Codes and Loads WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS, HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE. COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.

County: Wake

Building Code

City: Fuguay Varina

Building Code: 2024 North Carolina State Building Code Based on Building Code: 2021 International Building Code

Building Risk/Occupancy Category: I (Low Hazard: Agricultural)

- SPECIFIED MINIMUM ROOF SNOW (SMS) WILL BE APPLIED AS A SEPARATED ROOF LOAD

Description

1. The Snow Buildup loading shown is in addition to the flat or sloped roof snow. 2. The X and Y Location dimensions are from the point of origin of each surface.

- SMS IS CONSIDERED THE NET SLOPED ROOF LOAD, i.e., NONE OF THE OTHER SNOW LOAD RELATED FACTORS SUCH AS IMPORTANCE, THERMAL, UNOBSTRUCTED SLIPPERY.

- SMS IS NOT CONSIDERED IN CONJUNCTION WITH THE BRACING SECOND ORDER

Surface

Roof: A

Roof: B

Dead and Collateral Loads Collateral Gravity: 5.00 psf Collateral Uplift: 0.00 psf

Wind Load

SMS NOTE:

EFFECTS.

Shape

Snow Buildup

Storage Shed

Storage Shed

Wind Speed: Vult: 108.00 (Vasd: 83.66) mph

The 'Envelope Procedure' is Used Primaries Wind Exposure: C - Kz: 0.849 Parts Wind Exposure Factor: 0.849 Wind Enclosure: Enclosed

Topographic Factor: Kzt: 1.0000 Ground Elevation Factor: Ke: 0.9864

CHECK, COMBINED WITH DEAD LOADS ONLY.

EXPOSURE, ETC., WILL APPLY.

NOT Windborne Debris Region Base Elevation: 0/0/0 Site Elevation: 377.6 ft

Primary Zone Strip Width: 2a: 10/0/0 Parts / Portions Zone Strip Width: a: 5/0/0 Velocity Pressure: qz: 21.25, (C&C) 21.25 psf Material Dead Weight

Roof Covering + Second. Dead Load: 2.27 psf Frame Weight (assumed for seismic)2.50 psf

State: North Carolina

Snow Load

Ground Snow Load: pg: 15.00 psf Flat Roof Snow: pf: 9.24 psf Design Snow (Sloped): ps: 9.24 psf Rain Surcharge: 0.00 psf

Specified Minimum Roof Snow: 12.00 psf (Code) Exposure Factor: 2 Partially Exposed - Ce: 1.00 Design Acceleration Parameter: Sds: 0.1365

Snow Importance: Is: 0.800

Thermal Factor: Kept just above freezing - Ct: 1Seismic Design Category: B Ground / Roof Conversion: 0.70

Unobstructed, Slippery

Roof Live Load

Roof Live Load: 20.00 psf Reducible

Structural: 16AISC - ASD Rainfall: I: 8.00 inches per hour

Cold Form: 16AISI - ASD f'c: 3000.00 psi Concrete

Seismic Load

Lateral Force Resisting Systems using Equivalent Force Procedure

Country: United States

Mapped MCE Acceleration: Ss: 12.80 %g Mapped MCE Acceleration: S1: 6.40 %g Site Class: Stiff soil (D) - Default Seismic Importance: Ie: 1.0000

Design Acceleration Parameter: Sd1: 0.1024

Seismic Snow Load: 0.00 psf % Snow Used in Seismic: 0.00 Diaphragm Condition: Flexible

Fundamental Period Height Used: 16/1/0

Transverse Direction Parameters System NOT detailed for Seismic Redundancy Factor: Rho: 1.00

Fundamental Period: Ta: 0.2584

R-Factor: 3.00

Overstrength Factor: Omega: 2.50

Deflection Amplification Factor: Cd: 3.00

Base Shear: V: 0.0455 x W

Longitudinal Direction Parameters System NOT detailed for Seismic Redundancy Factor: Rho: 1.00 Fundamental Period: Ta: 0.1606

R-Factor: 3.00

Overstrength Factor: Omega: 2.50

Deflection Amplification Factor: Cd: 3.00

Base Shear: V: 0.0455 x W

X Loc	ation	Y Lo	cation	Magr	itude
0.0 f	t	7.7	ft	7.6	psf
0.0 f	t	0.0	ft	7.6	psf
100.0	ft	0.0	ft	7.6	psf
100.0	ft	7.7	ft	7.6	psf
0.0 f	t	7.7	ft	7.6	psf
0.0 f	t	0.0	ft	7.6	psf
100.0	ft	0.0	ft	7.6	psf
100.0	ft	7.7	ft	7.6	psf

Storage Shed Roof: B Storage Shed Roof: A

11/10/2025

25-026052-01

10/14/2025

RV

FOR CONSTRUCTION

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Unbalanced Snow Load 1, Shifted Left : Roof: A

Unbalanced Snow Load 1, Shifted Right : Roof: B

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3	VP Buildings 3200 Players Club Circle Memphis TN 38125				CODES AND LOADS					
v	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC	∇				
				Customer	Matt Johnson	\ <i>\</i> //				
				Location	Fuquay Varina, North Carolina	1 ┌४∨				
				Project	Revels Tractor Storage Shed	VA				
	NTS				O#	VPC V				

BUILDER/CONTRACTOR RESPONSIBILITIES

VP Buildings follows the guidelines as outlined in the AISC and MBMA Codes of Standard Practice VP Buildings standard product specifications, design, fabrication, quality criteria shall govern all work unless stipulated otherwise in the contract documents. In case of discrepancies between VP Buildings structural plans and plans for other trades, VP Buildings structural plans shall govern

It is the responsibility of the Builder to obtain approvals and permits from all governing agencies and jurisdictions as required. Approval of VP Buildings drawings constitutes the builders acceptance of VP interpretation of the contract purchase order. Unless specific design criteria concerning interface design and details are furnished as part of the contract, VP Buildings design assumptions shall govern.

VP engineers are not Project Engineers or Engineer of Record for the overall project. VP engineering supply sealed engineering design data and drawings for VP supplied material as part of the overall project for use by others to obtain permits, approvals, and coordinate with other trades. All interface and/or compatibility of any materials not furnished by VP are to be considered and coordinated by

CONSTRUCTION & ERECTION RESPONSIBILITY

The Builder is responsible for construction in strict accordance with VP Buildings "FOR CONSTRUCTION" drawings and all applicable product installation guides. VP is not responsible for work done from any other VP drawings that are not marked "FOR CONSTRUCTION", nor any drawings prepared by others.

As erected field assemblies of members shall be as specified in MBMA Code of Standard Practice (in Canada - CSA S16), which require L/500 tolerance of installed members. Occasional field work including shimming, cutting, coping, and drilling for final fit-up are considered part of erection. Specified field work and field welding conditions indicated on these drawings shall also be included in the erectors scope of work. See Erection Guide for shimming procedure. For building with top riding bridge cranes see Crane Data drawing for column plumb tolerance.

The building erector shall be properly licensed and experienced in erecting metal building systems. The Builder is responsible for having knowledge of, and shall comply with, all OSHA requirements and all other governing site safety criteria. The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. VP bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. See Erection Guide.

Shimming of steel buildings during erection may be required to accomodate allowable tolerances during fabrication and erection. Special care should be taken by the building erector to shim connections where key dimensions must be maintained for building performance as even small tolerances can have a significant impact on critical dimensions such as height, clearances and plumbness, especially as the size of the member or building increases. Conditions where shimming should be expected can include but are not limited to large door openings, critical clear height requirements, cranes, buildings greater than 45 feet in height, clear spans greater than 125 feet and adjacent frames with different characteristics (like clear span frames adjacent to an endwal or modular frame). Shims are normally provided by the erector, but may be ordered upon request by contacting your Project Manager.

EXISTING STRUCTURES

VP must be advised of any structure that is within 20 ft. of VP's building. Load effects from snow drifting, wind effects, and seismic separation must be considered for both the new and existing structures. VP has designed the new VP building for these effects. The owner/builder are responsible for employing a Professional Engineer to review and verify the existing structure for all load effects from the adjacent VP building.

Tension brace rods work in pairs to balance forces caused by initial tensioning. Care must be taken while tightening brace rods so as not to cause accidental or misalignment of components All rods must be installed loose and then tightened. Rods should not exhibit excessive sag. For long or heavy rods, or angles it may be necessary to support the rods at mid-bay by suspen them from secondary members

Bracing for seismic or wind loading of objects or equipment that are not a part of the VP structure must be designed by a qualified professional to deliver lateral loads to primary frames and rod bracing struts. Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any VP components. VP accepts no responsibility for design or installation of bracing systems not furnished by VP.

FIELD WELDING

All field welding shall be done at the direction of a design professional, and done in accordance with governing requirements (AWS in USA, CWB in Canada) by welders qualified to perform the welding as directed by the applicable welding procedure specification (WPS). A WPS shall be prepared by the contractor for each welding variation specified. The contractor is responsible for any special welding inspection as required by local jurisdiction. Filler metal shall be 70 ksi (480 MPa) tensile strength. For welds in high seismic force resisting system (Seismic Cat D, E or F), minimum Charpy V-Notch toughness shall meet AISC-341 criteria (20 ft-lbs min @ 0Deg F). Interpass temperatures shall not exceed 550Deg F (300Deg C).

DELIVERIES

It is the responsibility of the builder to have adequate equipment available at the job site to unload trucks in a safe and timely manner. The Builder will be responsible for all retention charges from carriers as a result of job site unloading delays.

SIGNAGE

The Builder is responsible for furnishing signs as required by Code and the Building Department, including but not limited to, exits, occupancy limits, floor loading limits, and bulk storage limits. Floor loading signs shall clearly indicate maximum floor live load permitted. Bulk storage facilities shall have signs clearly posted on all loaded walls indicating the type of commodity stored and the maximum storage height. Signs shall be clearly visible when building is fully loaded to design level. Overloading of floors or walls may result in failure.

Claims for damage or shorts MUST be noted on the Bill-of-Lading or delivery receipt and filed against the carrier by the consignee as per VP's Terms of Sales (F.O.B. Plant) under the Uniform Commercial Code. It is critical that damages or shorts be noted on the Bill-of-Lading or you have little recourse with the carrier. Immediately upon delivery of material, material quantities are verified by the Builder against quantities billed on the shipping document. Neither the Manufacturer nor the carrier is responsible for material shortages against quantities billed on the shipping document if such shortages are not noted on the shipping documents upon delivery of material and acknowledged by the carriers agent. For materials concealed in bundles, boxes, or crates, shortages must be reported immediately upon unpacking. Should products get wet, bundled and crated materials must be unpacked and unbundled immediately to provide drainage of trapped moisture. See Erection Guide for proper job site storage procedure.

SEAL ANTS

Sealants shall be applied in strict accordance with VP details or weather tightness will be compromised. Sealant must be applied in temperatures and weather conditions consistent with labeling

INDEPENDENT MEZZANINES

Independent mezzanines must be designed by a professional engineer. The engineer must ensure that proper isolation from the VP building has been provided to avoid structural damage due to differential movements, or inadvertently apply loads to the VP structure. VP accepts no responsibility for the design of the independent mezzanine

FIRE CODE COMPLIANCE

It is the responsibility of the project design professional and builder to comply with local fire code regulations including consideration of, but not limited to, building use and occupancy, all building construction materials, separation requirements, egress requirements, fire protection systems, etc. Builder shall advise VP of any special requirements to be furnished by VP.

FIELD MODIFICATIONS

Modifications to this building from details and instructions contained on these drawings must be approved in writing by VP Buildings engineers, or other licensed structural engineer. This includes, but is not limited to, removal of roof or wall cladding, removing or moving any flange braces or rod braces, cutting of openings for doors, windows or RTU's, correction of fabrication errors, etc. The owner shall not impose loads to this structure beyond what is specified for this building in the contract documents. VP Buildings accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

If the builder intends to invoice VP Buildings for modifications in excess of \$1000, The builder must notify VP Buildings immediately, and obtain a Work Authorization from VP Buildings prior to proceeding. All final claims must be submitted to VP Buildings with all supporting documentation within 30 days of the building completion. Claims submitted without work author 30 days will not be accepted. Correction of minor misfits, shimming and plumbing, moderate amount of reaming, drilling, chipping / cutting and minor welding are considered by Code of Standard Practice to be part of erection are not subject to claim reimbursement

CONCRETE/MASONRY/CONVENTIONAL STUD WALLS

The engineer responsible for the design of the wall system is responsible for coordinating with, or specifying to VP Buildings, any wall to steel compatibility issues such as drift and deflection compatibility, special base details, and wall to VP steel connections. All fasteners, sealant and counter flashing of wall systems are to be provided by contractor. The engineer responsible for the wall shall design the anchorage to VP supporting elements consistent with Code required forces.

The VP Engineer's seal applies only to the

Oil canning is an inherent characteristic of cold formed steel panels. It is the result of several factors that include induced stresses in the raw material delivered to VP, fabrication methods, installation procedures, and post installation thermal forces. Thru fastened panels will exhibit some dimpling when installed, especially when insulation is installed between panels and secondary supports. Dimpling can be minimized by careful installation, taking care not to over drive fasteners.

Roof rumble is a phenomenon that is caused by wind gusts lifting up on the roof panels and then springing back into place. All panels experience this action to some degree, especially with concealed clip Standing Seam panels. Roof rumble noise may be minimized by providing a layer of blanket insulation between the panels and any hard support surface such as steel secondary members, substrates such as plywood, steel decking, or rigid board insulation. A minimum of 3 inch thick blanket is recommended over steel secondary members, or 2 inch over substrates.

Oil canning, dimpling, and roof rumble do not affect the structural integrity or weather tightness of the panels and is not grounds for rejection of panels.

The Standing Seam joint detail is designed with an interlocking feature for ease of installation. However, it is imperative that installed Standing Seam panels be secured to the secondary structural members and properly seamed prior to departure from the job site each day.

SKYLIGHTS

Local building departments may require added fall restraint due to conditions that may affect the skylight structural integrity. It is the responsibility of the builder to determine and provide any added fall restraint under the skylight as may be required by your building department.

RAIN WATER RUNOFF

Drainage systems must be designed by the project professional to comply with code requirements. VP is not responsible for drainage designs, overflow scuppers, down piping, etc. The project professional and contractor are responsible to ensure that primary drains and overflow devices such as scuppers and auxiliary drains are provided as required for the required rain intensity at the building perimeter and at valley conditions to prevent ponding.

The purpose of VP's shop coat is to provide protection for the steel members during transportation, during temporary job site storage and during erection. Standard shop formulation is not designed to perform as a finish coat when exposed to environmental conditions. Members shall be kept free of the ground and properly drained during job site storage. It is the Builder's responsibility to ensure that if a finish coat is being applied over VP shop coat that the painting contractor verifies compatibility between his finish coat and VP's shop coat.

VP BUILDINGS ACCREDITATIONS AND APPROVALS

Fabricator Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal-building-inspection) Listed under BlueScope Buildings North America, Inc. City of Los Angeles, CA #FB00031; City of Houston, TX 767 & 429; City of Phoenix, AZ C19-02008; Clark County, NV 43 & 833, San Bernardino County, CA 289 State of Utah, City of Richmond, CA.

Design Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal-building-inspection) Listed under Varco Pruden Buildings, a Division of BlueScope Buildings North America, Inc.

Canadian CSA A660 Certifications

(www.cwbgroup.org) Listed under BlueScope Buildings North America, Inc.

Engineering Certifications of Authorization

USA--AL#CA-5589-E; AZ#22225-0; AR#576; FL#30427; GA#PEF007551; ID#C-2470; IL#184-002649; KS#E-29; KY#4490; LA#EF6722; MS#E-0592; MO#E-2010007736; NC#F-0998; ND#1579PE; NJ#24GA28318800; NV#20437; OH#05898; OK#CA4170PE; RI#8838; SC#6206; SD#C-1787; TX#F4828; VA#0411001520: VA#0411001518: WA#4119: WV#C03059-00 CAN--AB#P08900; NB#F0951; NL#D0044; NS#30123; NT#P062; ON#100148796; and YT#PP134

ICC Evaluation Reports (www.icc-es.org)

SSR Roof System - #ESR-2527

State of Florida Product Approvals (www.floridabuilding.org)

Approved Products Listed Under VP Buildings, Inc. VP TextureClad - See Transamerican Structuroc, Inc.

Dade Co. Product Approval (www.miamidade.gov/buildingcode)

Approved Products Listed Under Varco Pruden Buildings, Inc.

VP TextureClad - See Transamerican Structuroc, Inc.

Underwriter's Laboratory Approvals (Available only when specified in contract)

SSR Roof-UL#TGKX-113: SSR Composite Roof Class 90-UL#TGKX-113A:

SSR Roof w/Super Block; Class 90-UL#TGKX-328;

Panel Rib Roof UL Class 60-UL#TGKX-60: Panel Rib Roof UL Class 90-UL#TGKX-64:

VP SLR II Roof Class 90-UL#TGKX-90, -180, -435, -435A, -176, -238, -238A, -238B

Factory Mutual Approved Assemblies (Available only when specified in contract)

SSR Roof Systems are approved in various type applications and listed in FM Approval Guide.

24 Ga SSR (0.0227" Nominal), is available in Class 1-60, 1-75, 1-90. 22Ga SSR (0.0277" Nominal), is available in Class 1-75, 1-90-, 1-120,

SLR II Roof Systems are approved in various type applications and listed in FM Approval Guide.

24 Ga SLR II (0.0227" Nominal), is available in Class 1-75 and 1-120.



P BUILDINGS

25-026052-01

10/14/2025

LC

RV RV

FOR CONSTRUCTION

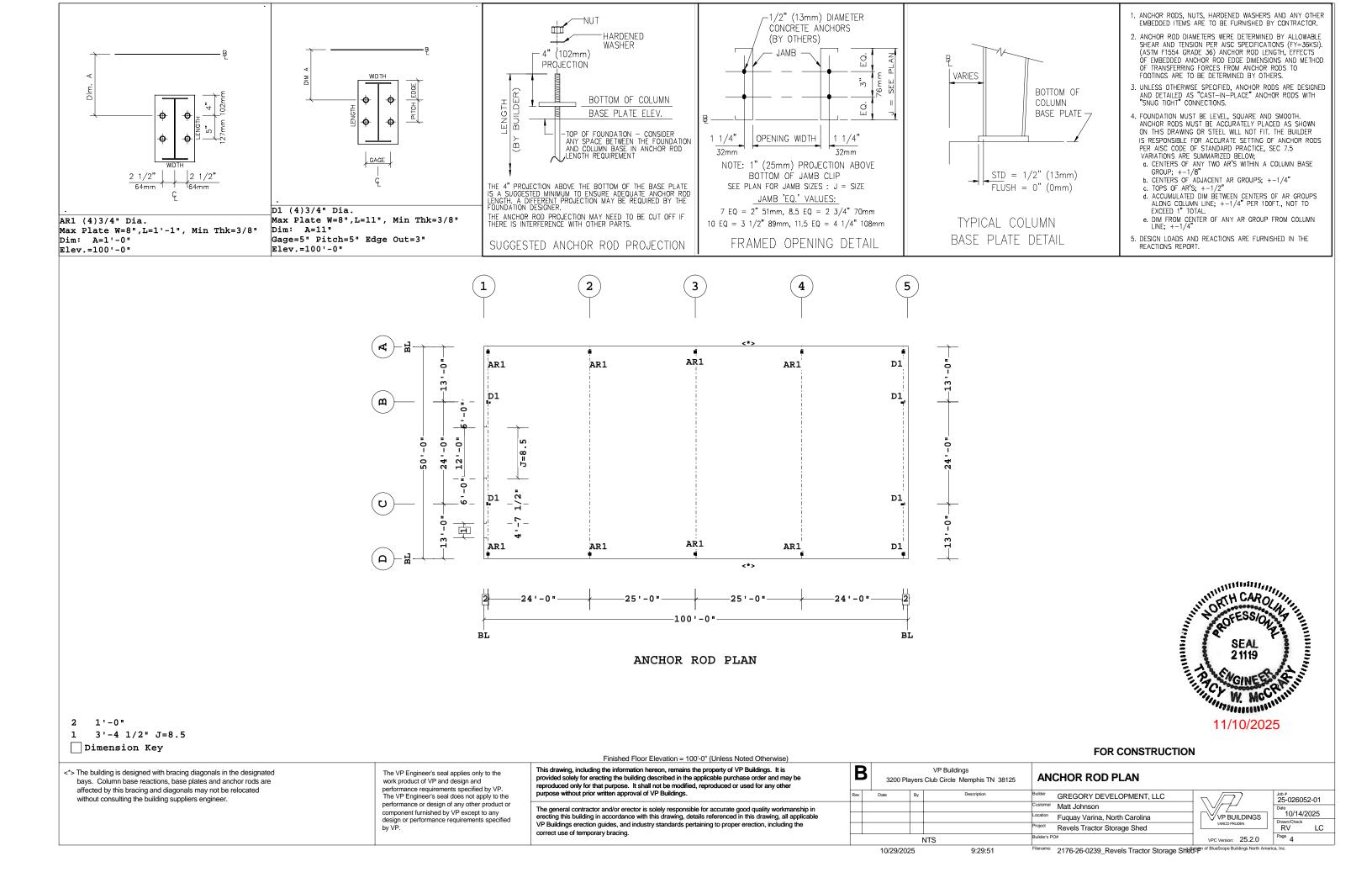
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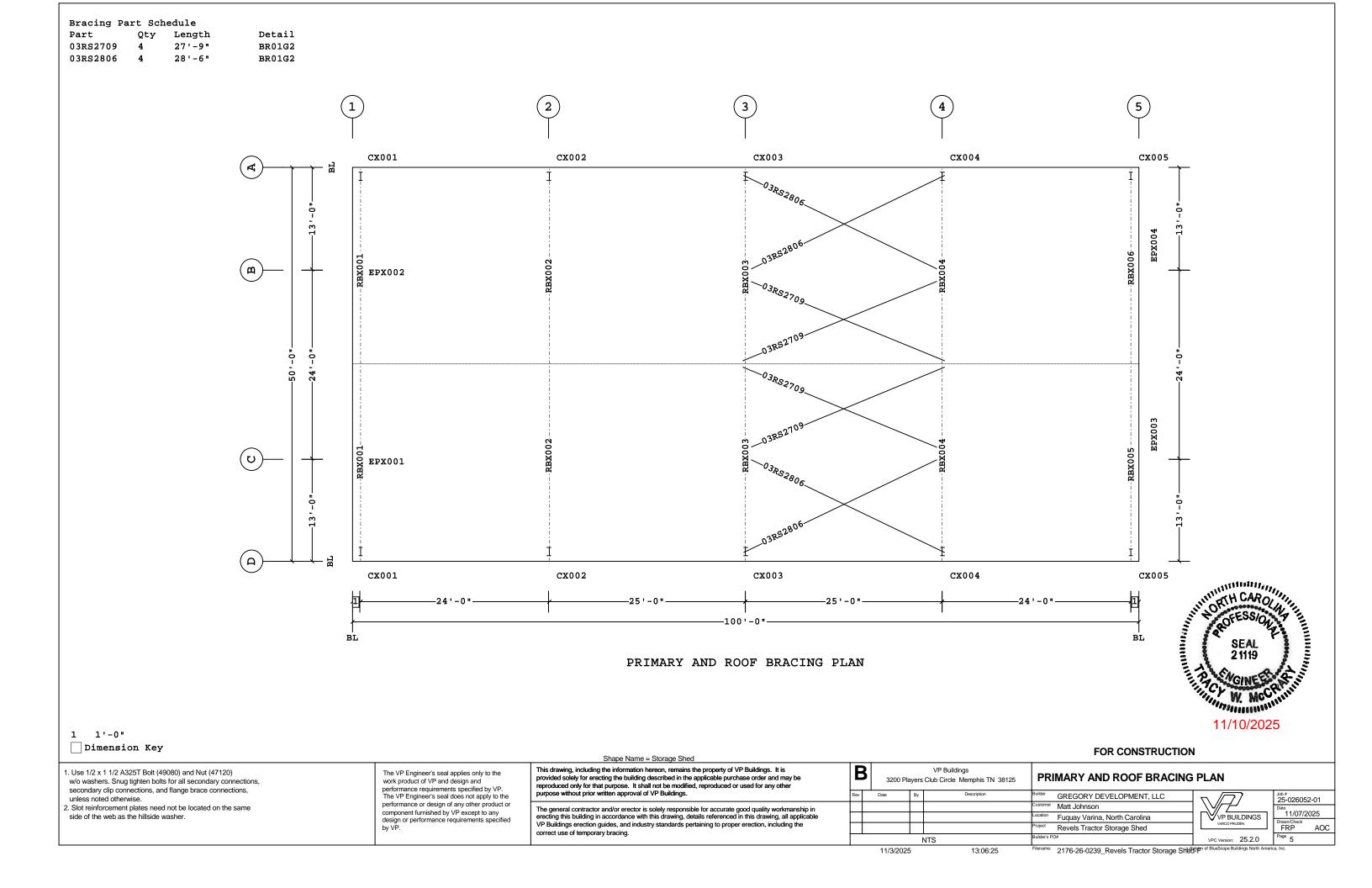
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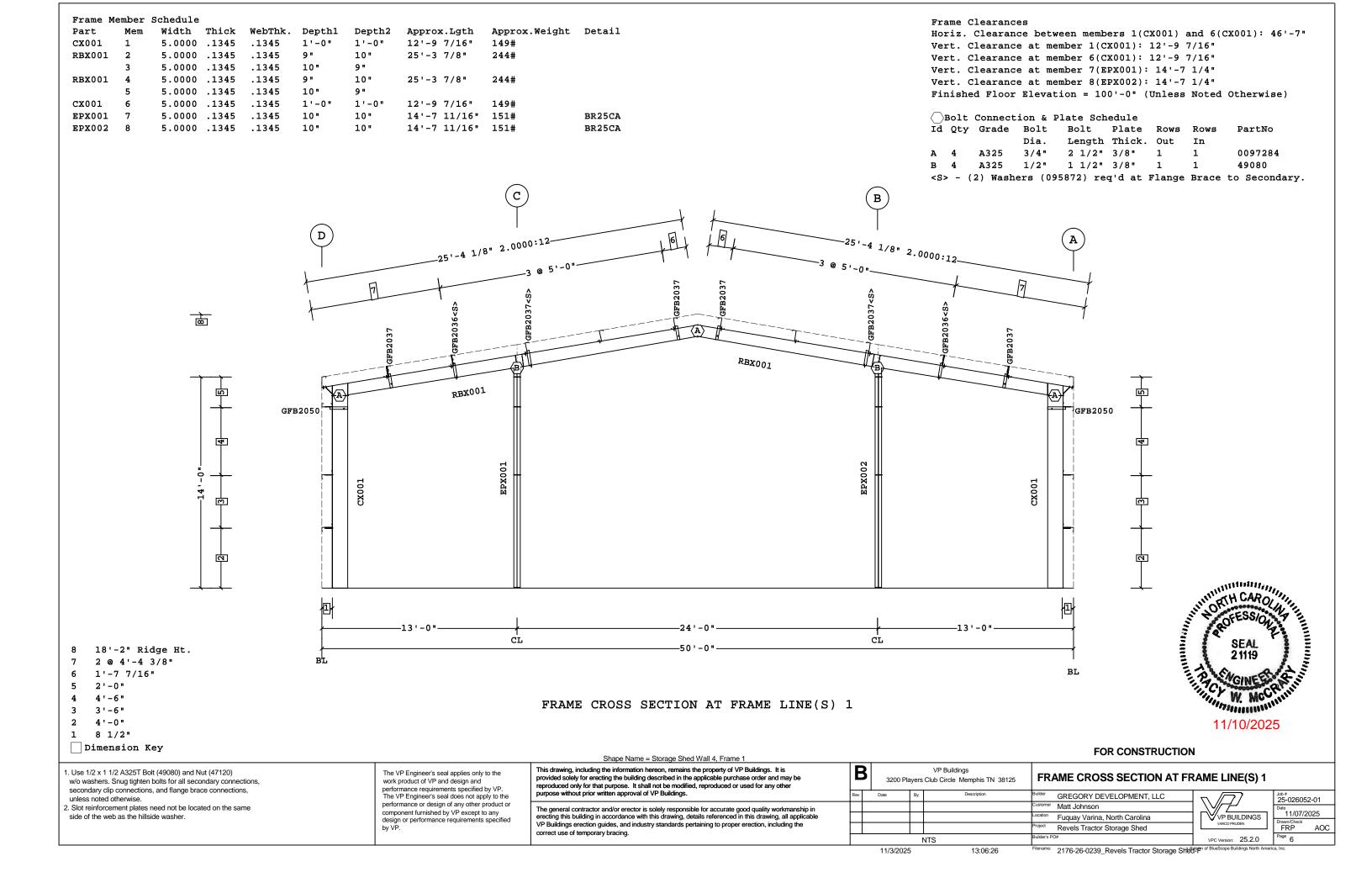
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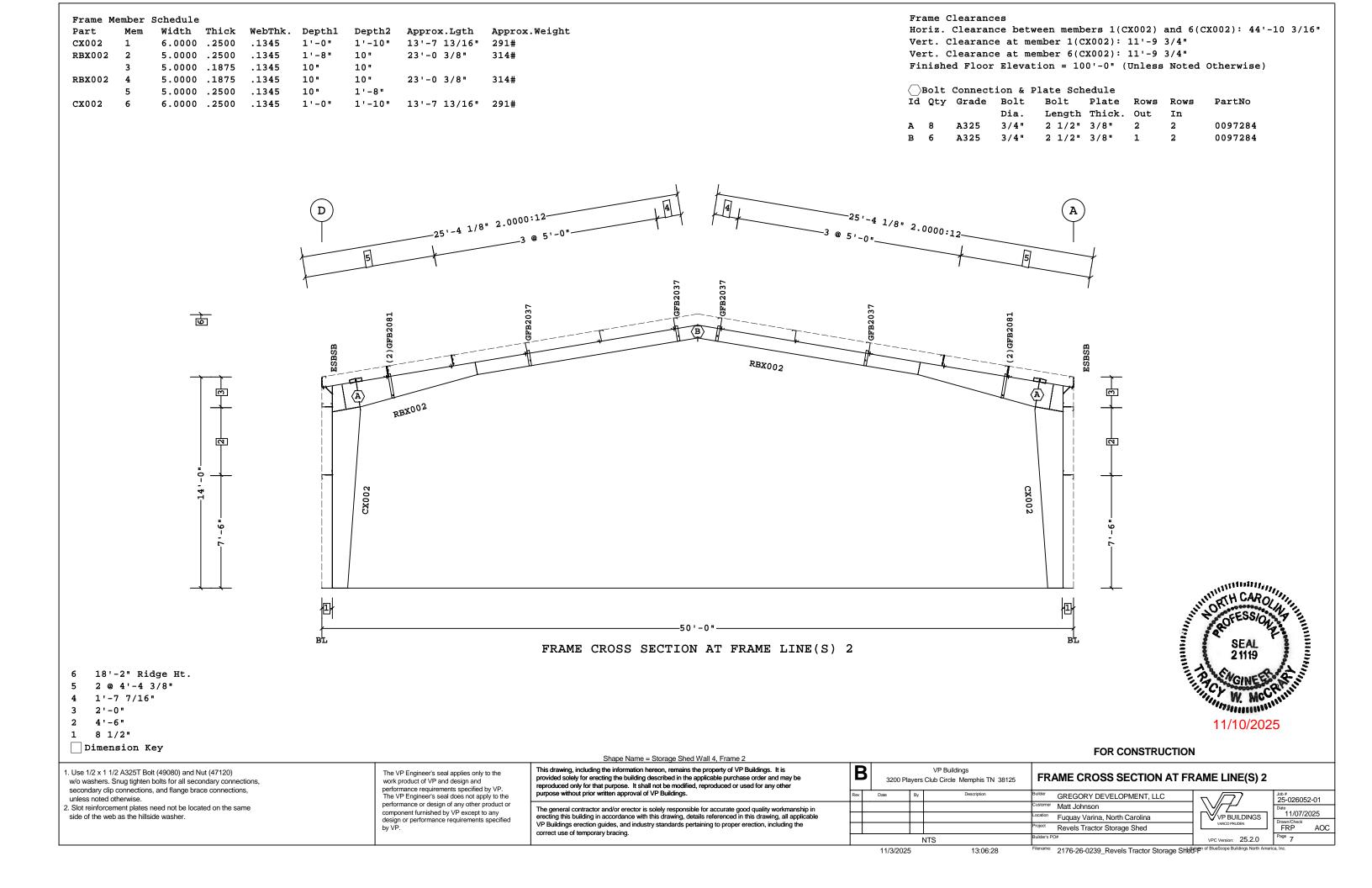
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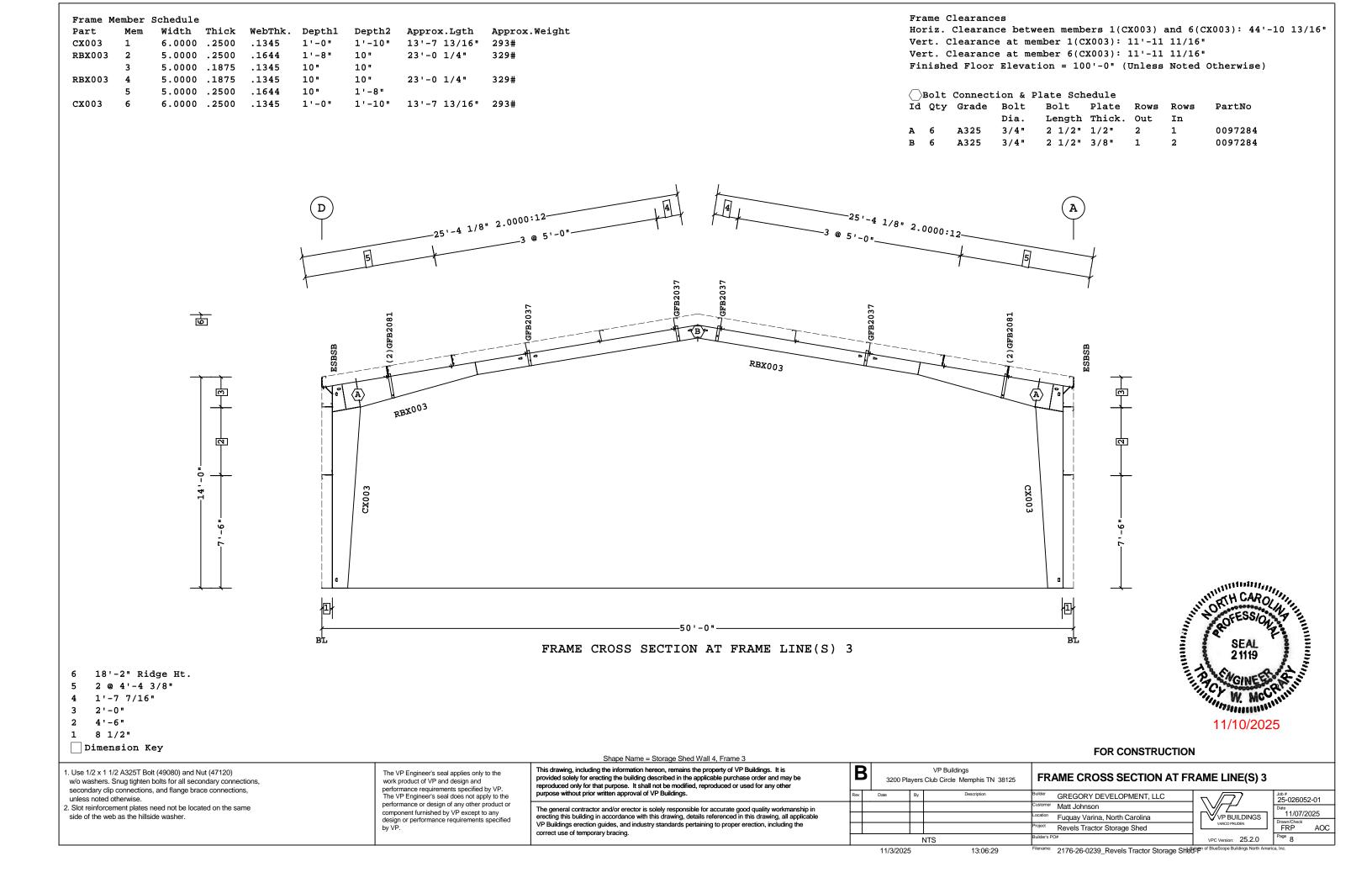
В	3200 Pla	ayers	VP Buildings Club Circle Memphis TN 38125							
Rev	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC	7				
				Customer	Matt Johnson	1 \\				
				Location	Fuquay Varina, North Carolina	1 ┌❤				
				Project	Revels Tractor Storage Shed]				
			NTS	Builder's PO	D#	VPC				

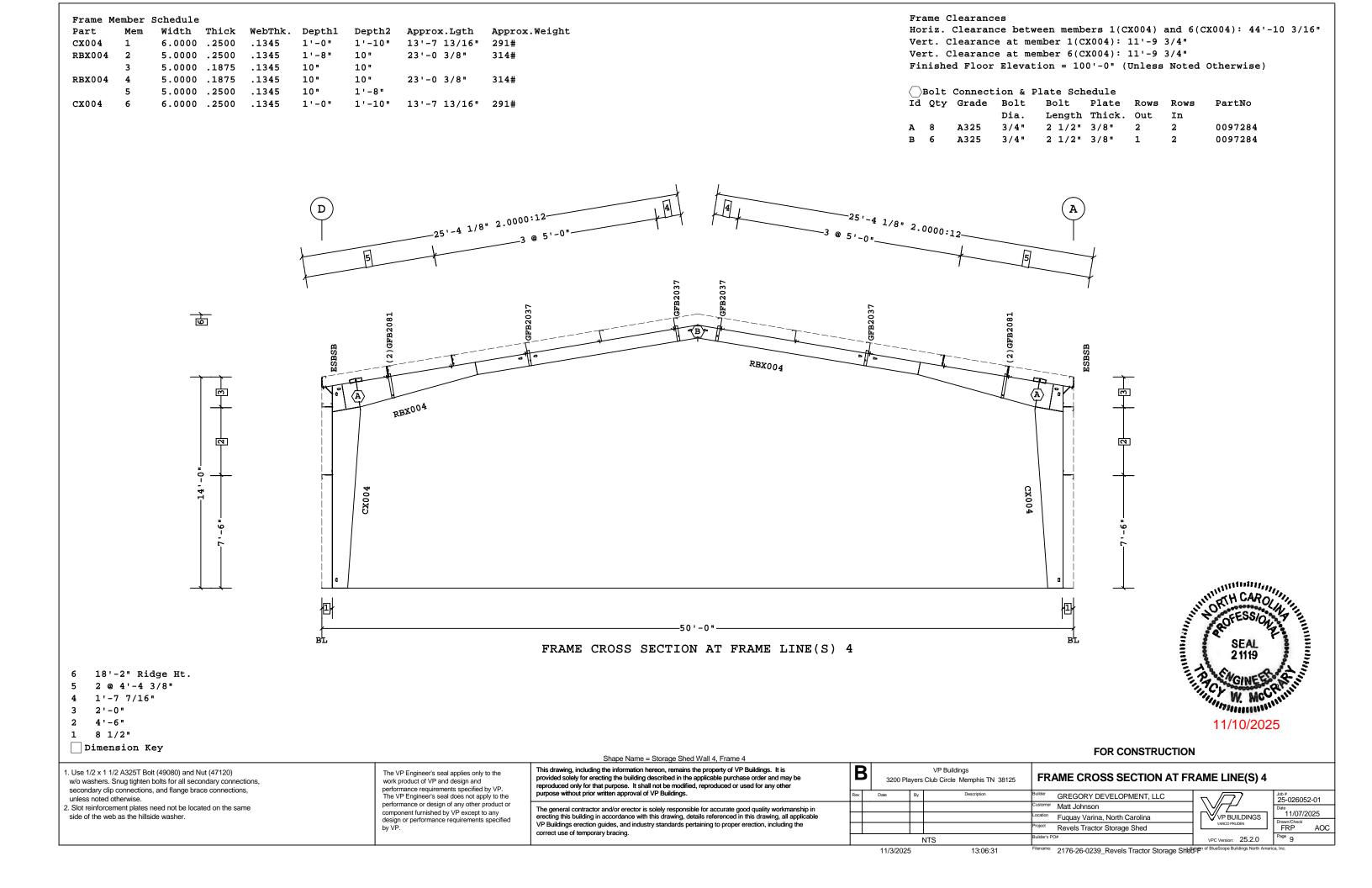


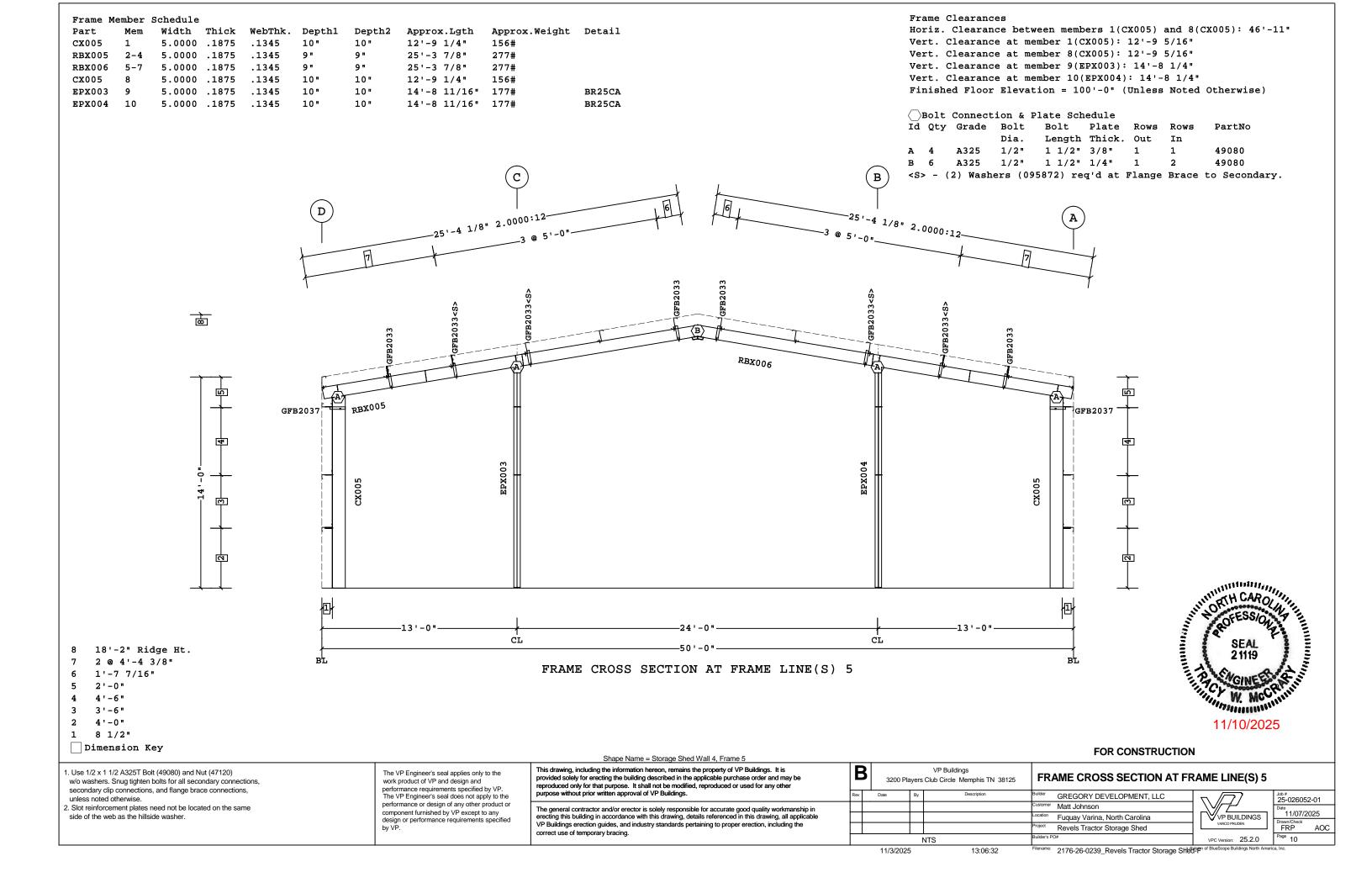


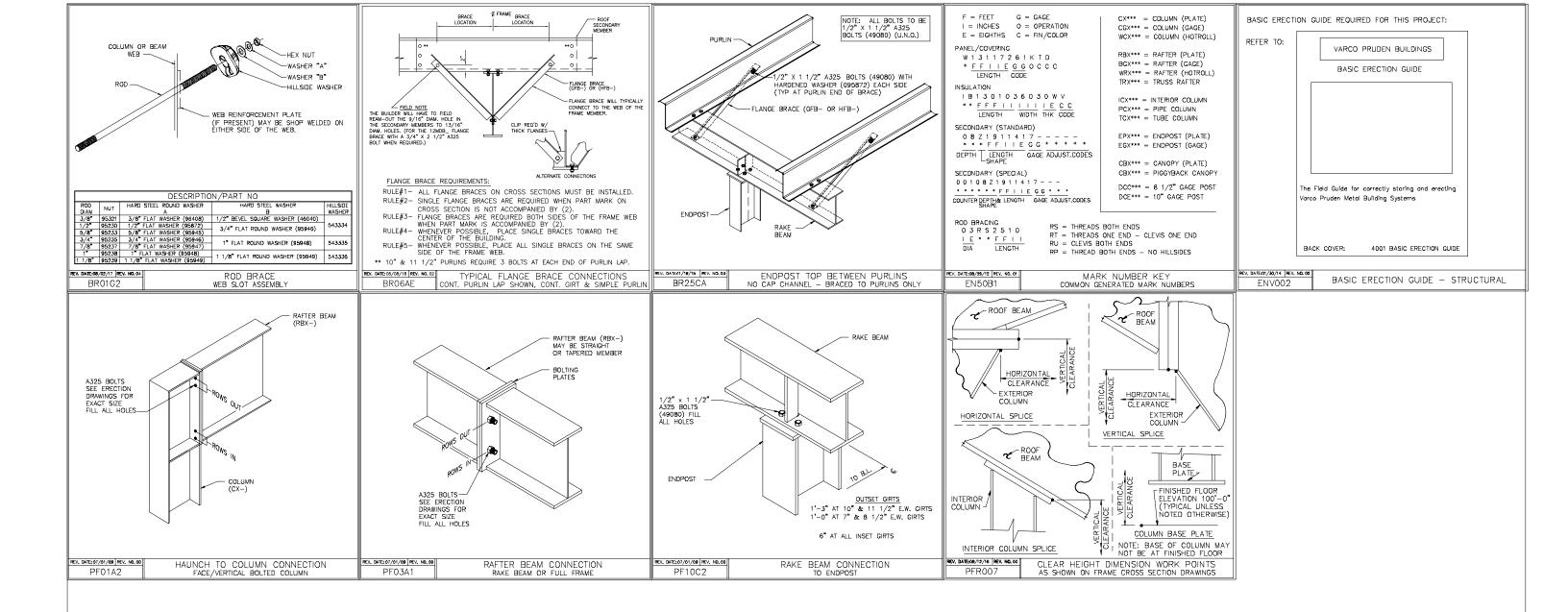














11/10/2025

25-026052-01

11/07/2025

AOC

FRP

FOR CONSTRUCTION

- Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
- 2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

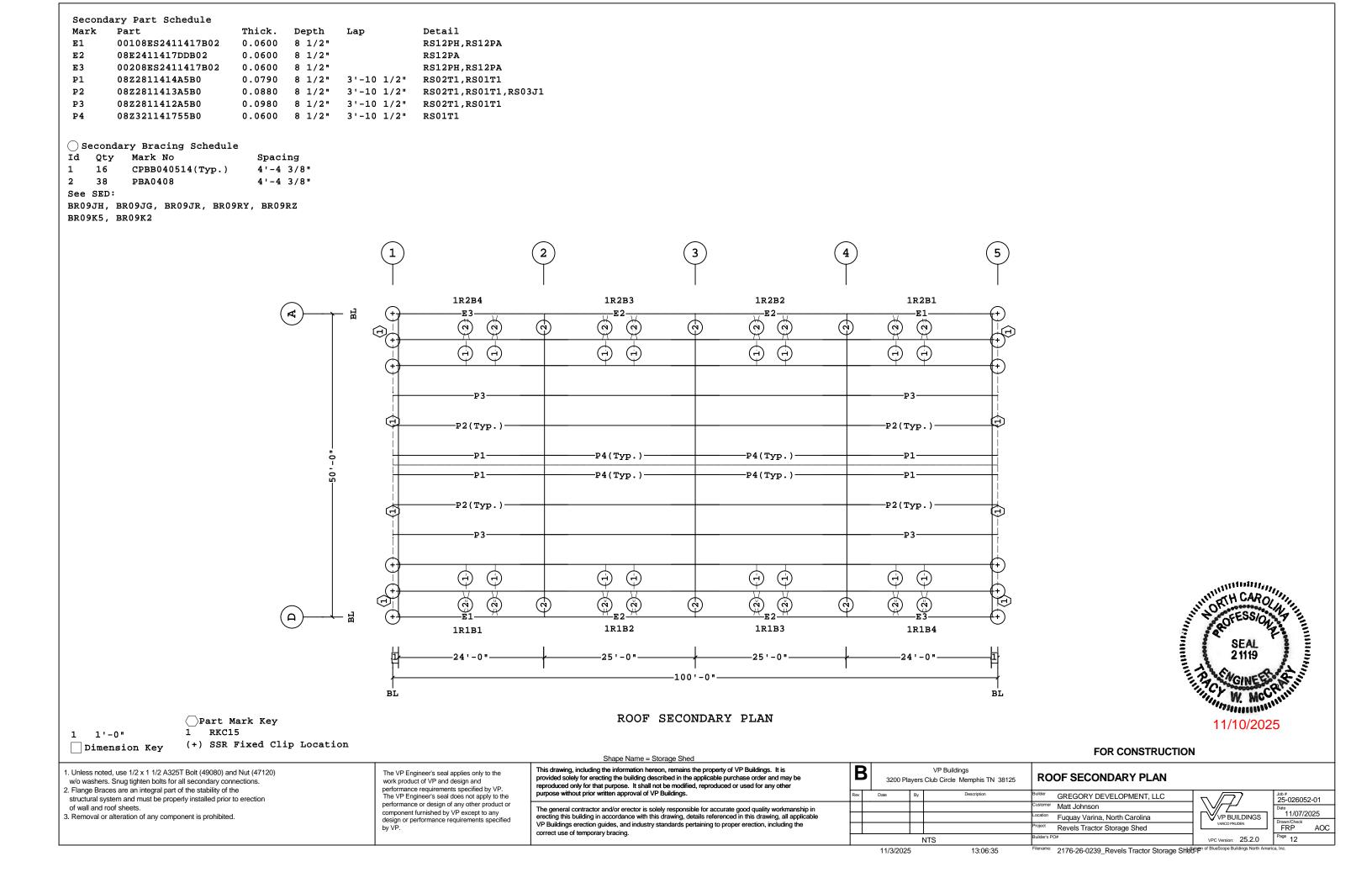
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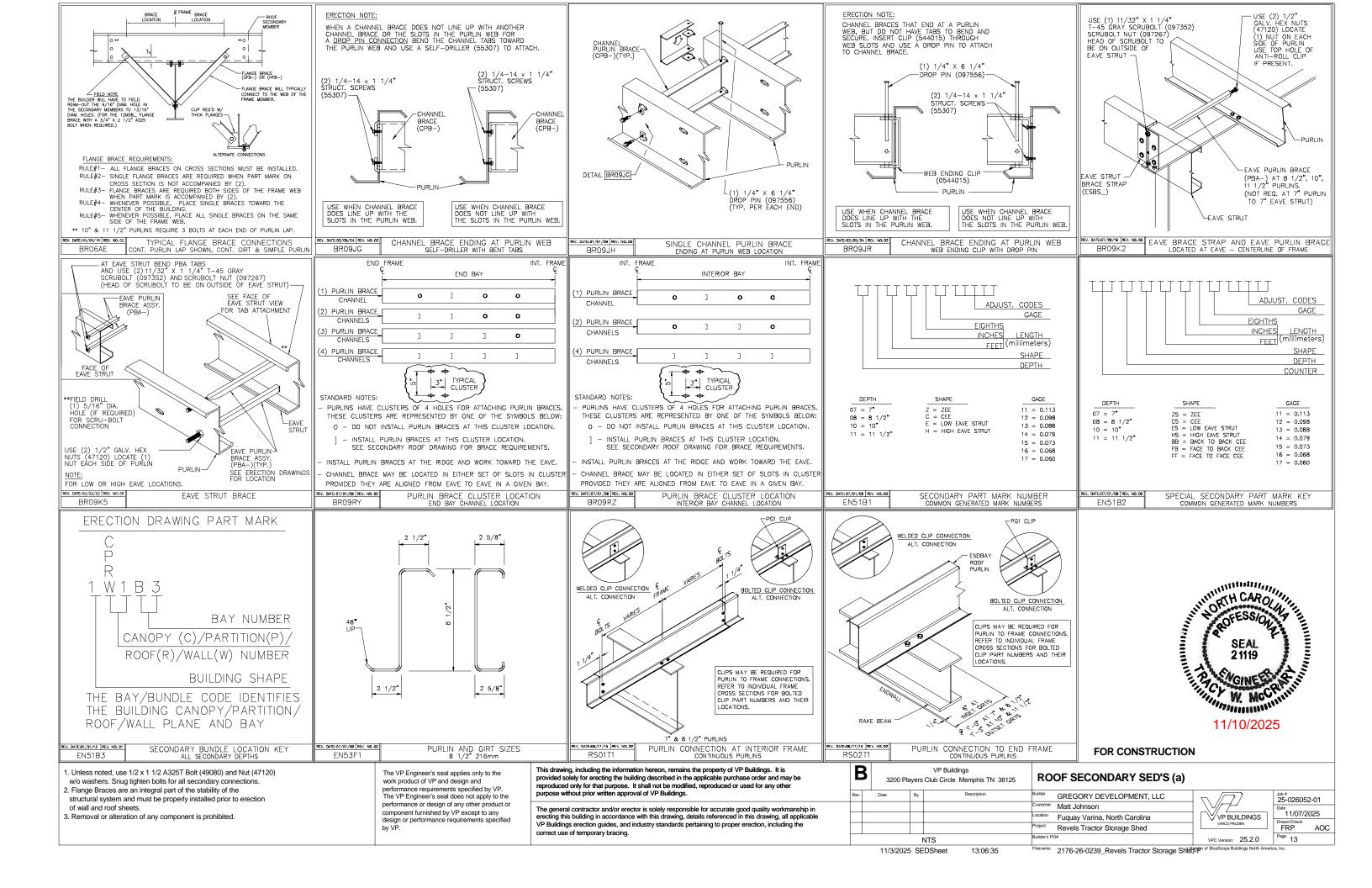
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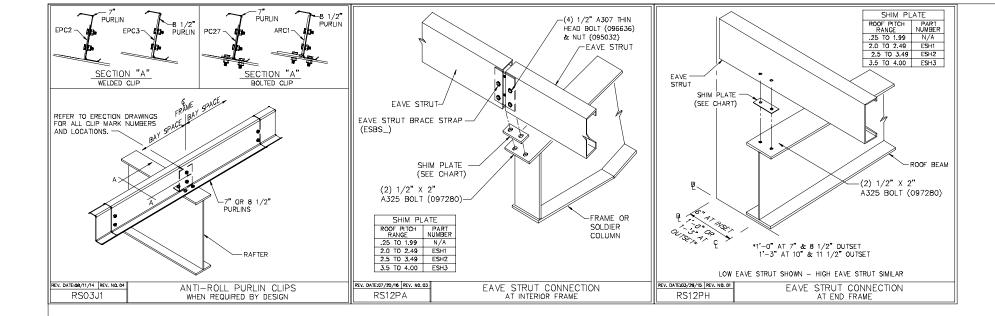
The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

В	3200 PI	ayers	VP Buildings Club Circle Memphis TN 38125	PRI	MARY BRACING SED'S	
v	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC	∇
				Customer	Matt Johnson	\\//
				Location	Fuquay Varina, North Carolina	VP BUILDINGS
T				Project	Revels Tractor Storage Shed	VARCO PRUDEN
_		NTS			D#	VPC Version: 25.2.0

11/3/2025 SEDSheet









^{Job #} 25-026052-01

11/07/2025

AOC

Drawn/Check FRP

FOR CONSTRUCTION

- 1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
- 2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
- 3. Removal or alteration of any component is prohibited.

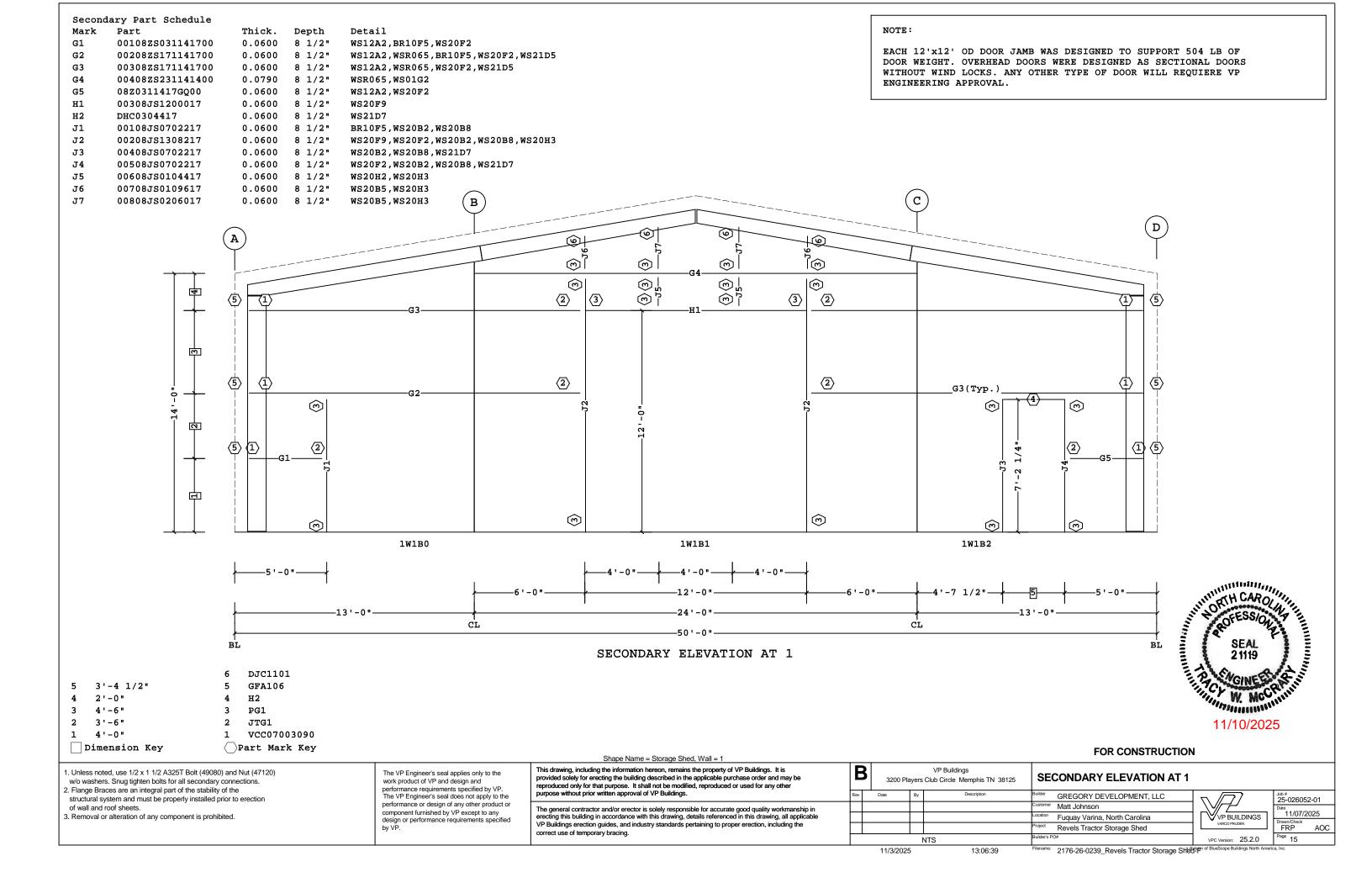
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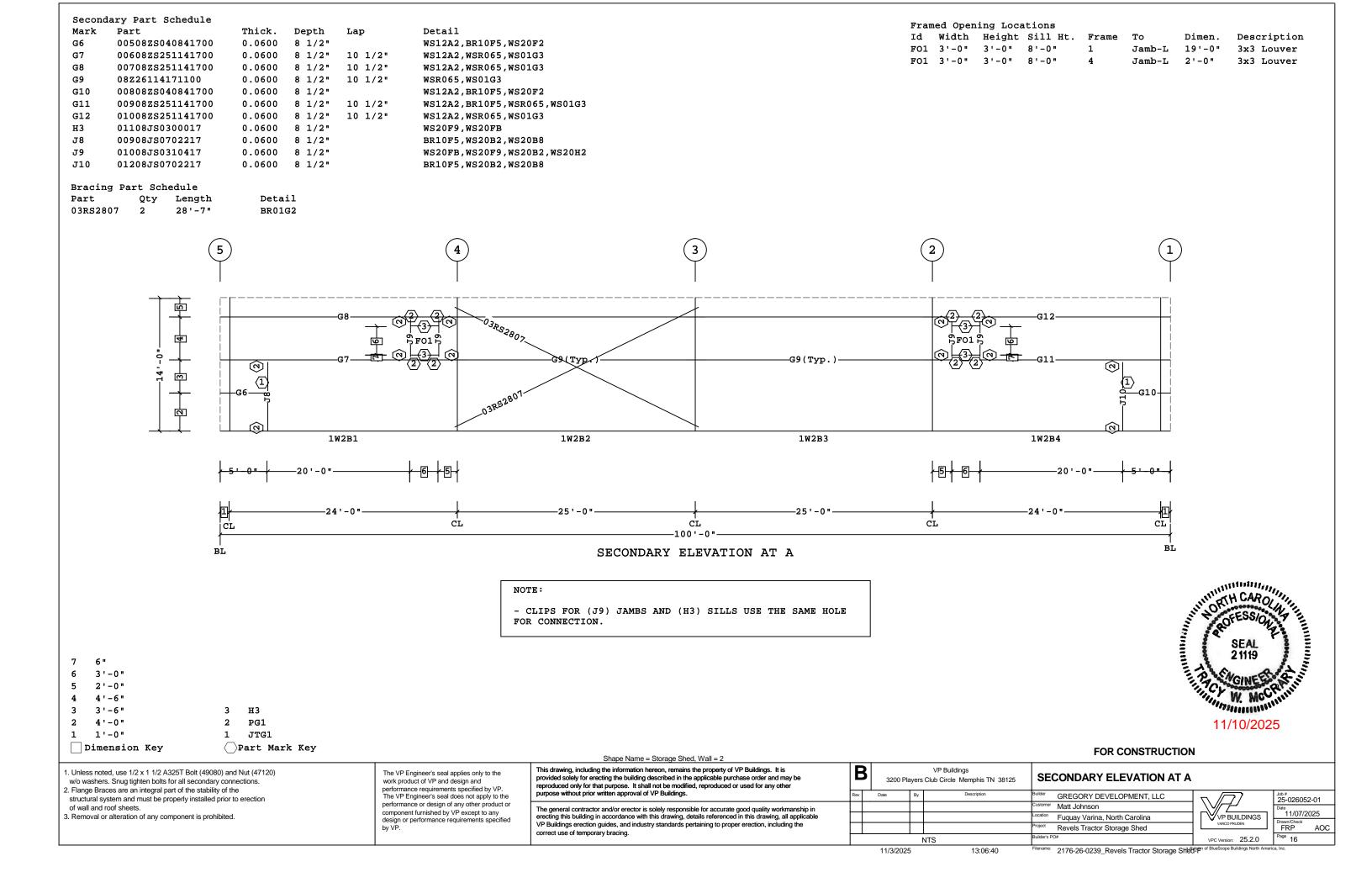
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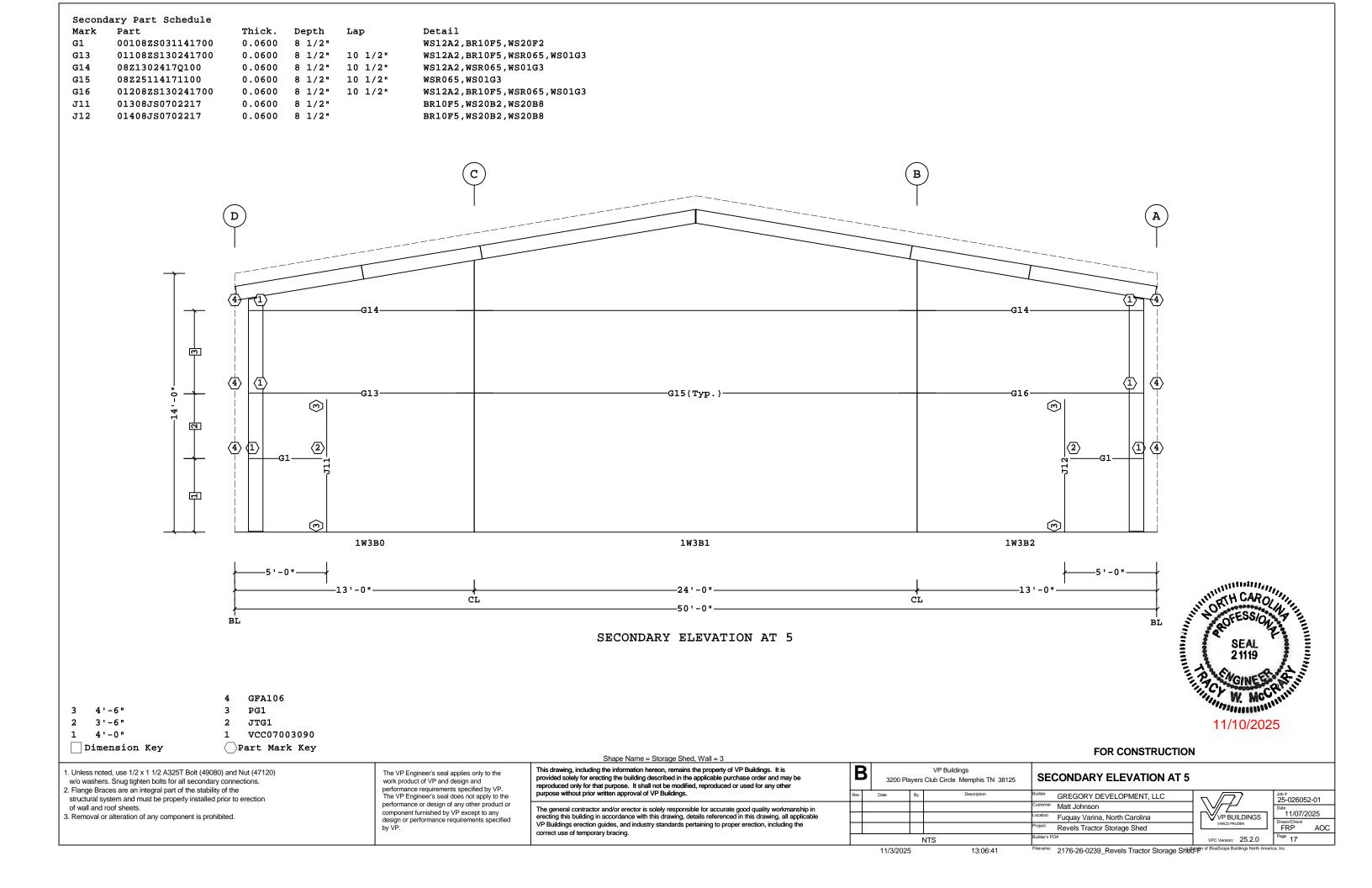
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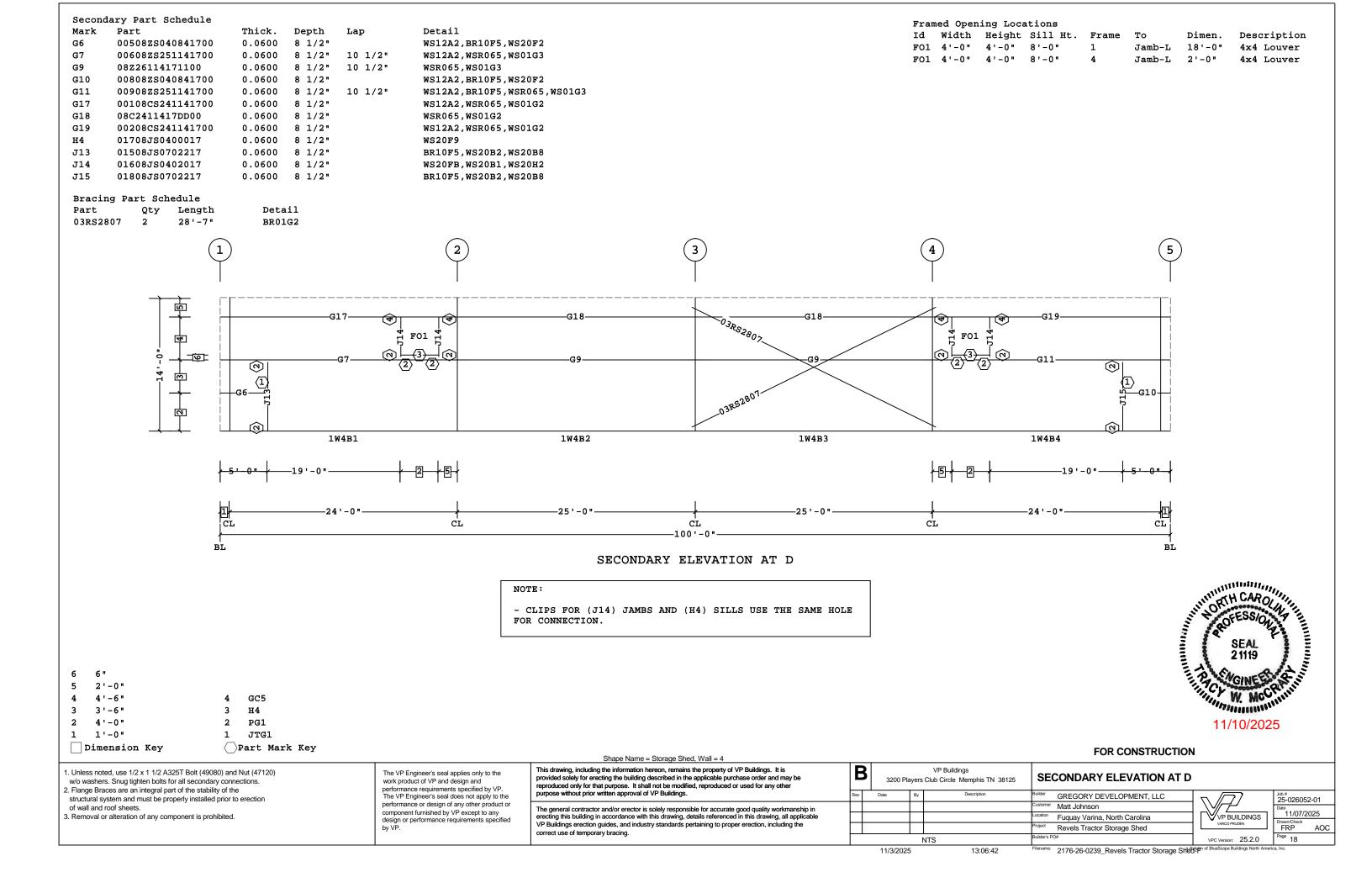
В	3200 Pla	ayers	VP Buildings Club Circle Memphis TN 38125	RO	OF SECONDARY SED'S (b)	
Rev	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC	∇
				Customer	Matt Johnson	\\// -/- /
				Location	Fuquay Varina, North Carolina	VP BUILDINGS
				Project	Revels Tractor Storage Shed	VARCO PRUDEN
			NTS	Builder's Po	- "	VPC Version: 25.2.0
	11/3/2025 SEDSheet 13:06:37				2176-26-0239_Revels Tractor Storage Shed	vision of BlueScope Buildings North Am

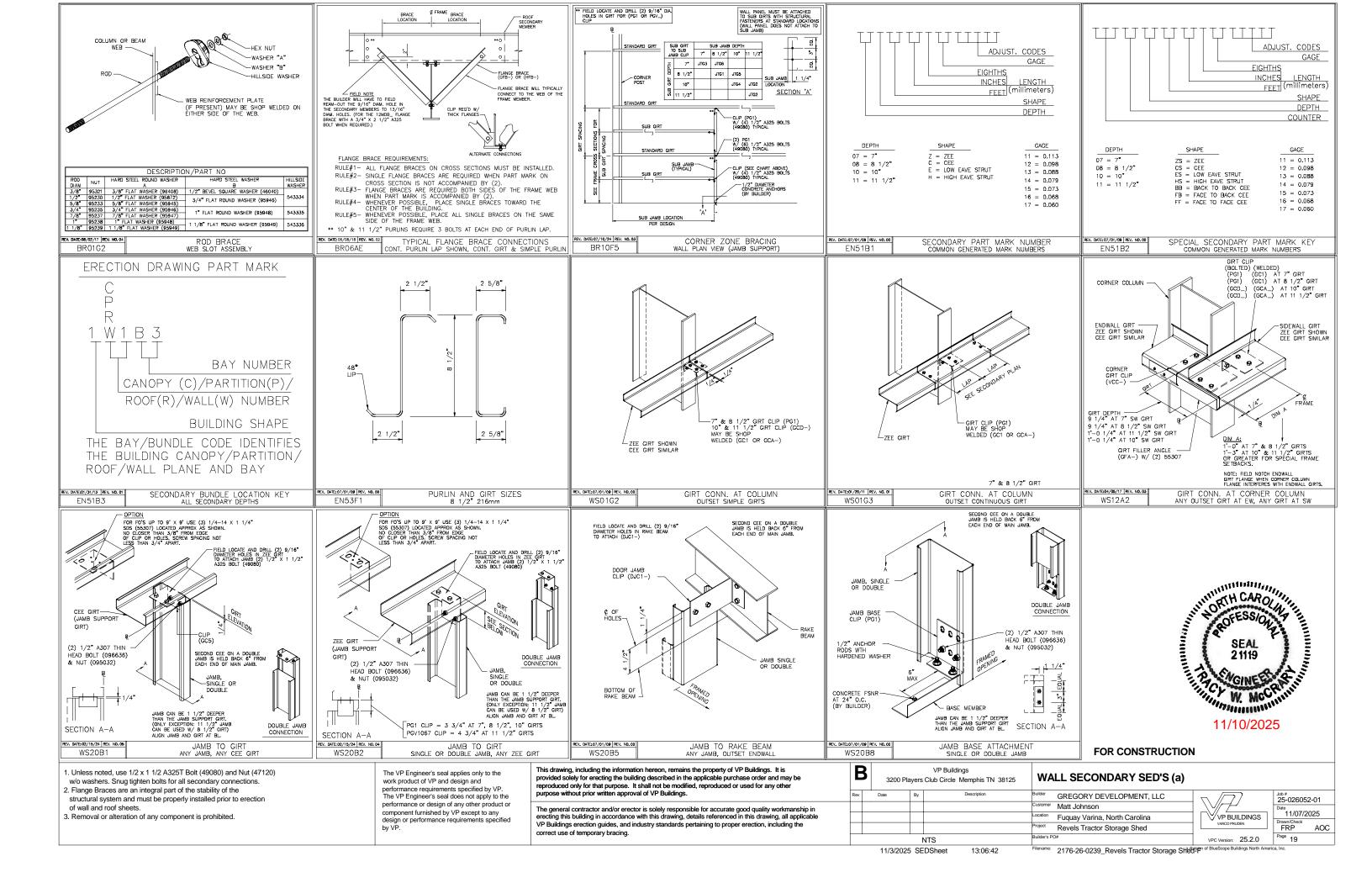
Page 14 Filename: 2176-26-0239_Revels Tractor Storage Shedistan of BlueScope Buildings North America, Inc

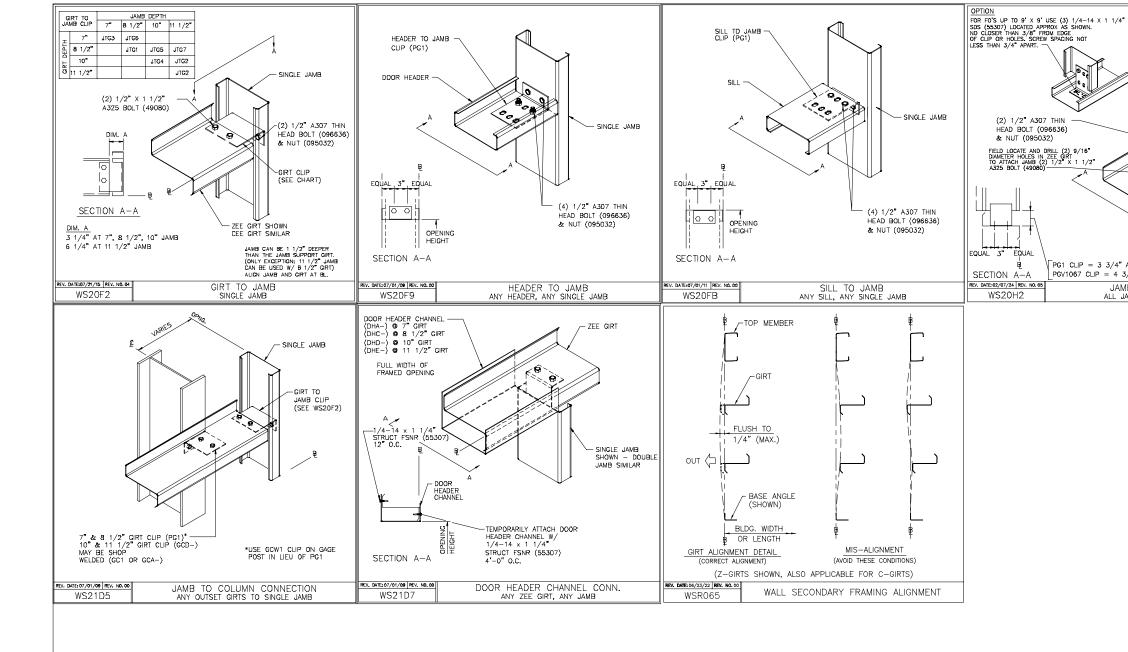














FOR CONSTRUCTION

FIELD LOCATE AND DRILL (2) 9/16" DIAMETER HOLES IN ZEE GIRT TO ATTACH JAMB

(2) 1/2" A307 THIN -

HEAD BOLT (096636)

& NUT (095032)

(2) 1/2" X 1 1/2"

ZEE GIRT

EQUAL 3

SECTION A-A

REV. DATE:08/03/17 REV. NO. 00

WS20H3

A325 BOLT (49080)

SINGLE JAMB

JAMB BASE

PG1 CLIP = 3 3/4" AT 7", 8 1/2", 10" GIRTS

JAMB BASE TO GIRT ALL JAMB AND GIRT DEPTHS

PGV1067 CLIP = 4 3/4" AT 11 1/2" GIRTS

-SINGLE JAMB

SEE SECTION BELOW

SEE SECTION BFI OW

FLEVATION

SINGLE JAMB

– GIRT

FG1 CLIP = $3 \ 3/4$ " AT 7", $8 \ 1/2$ ", 10" GIRTS

JAMB BASE TO GIRT ALL JAMB AND GIRT DEPTHS

PGV1067 CLIP = 4 3/4" AT 11 1/2" GIRTS

- 1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
- 2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
- 3. Removal or alteration of any component is prohibited

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E	3200 P	VP Buildings 3200 Players Club Circle Memphis TN 38125			WALL SECONDARY SED'S (b)		
Rev	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC		
	·			Customer	Matt Johnson] \Y	
				Location	Fuquay Varina, North Carolina		
				Project	Payels Tractor Storage Shed	1 '	

13:06:44

NTS

11/3/2025 SEDSheet

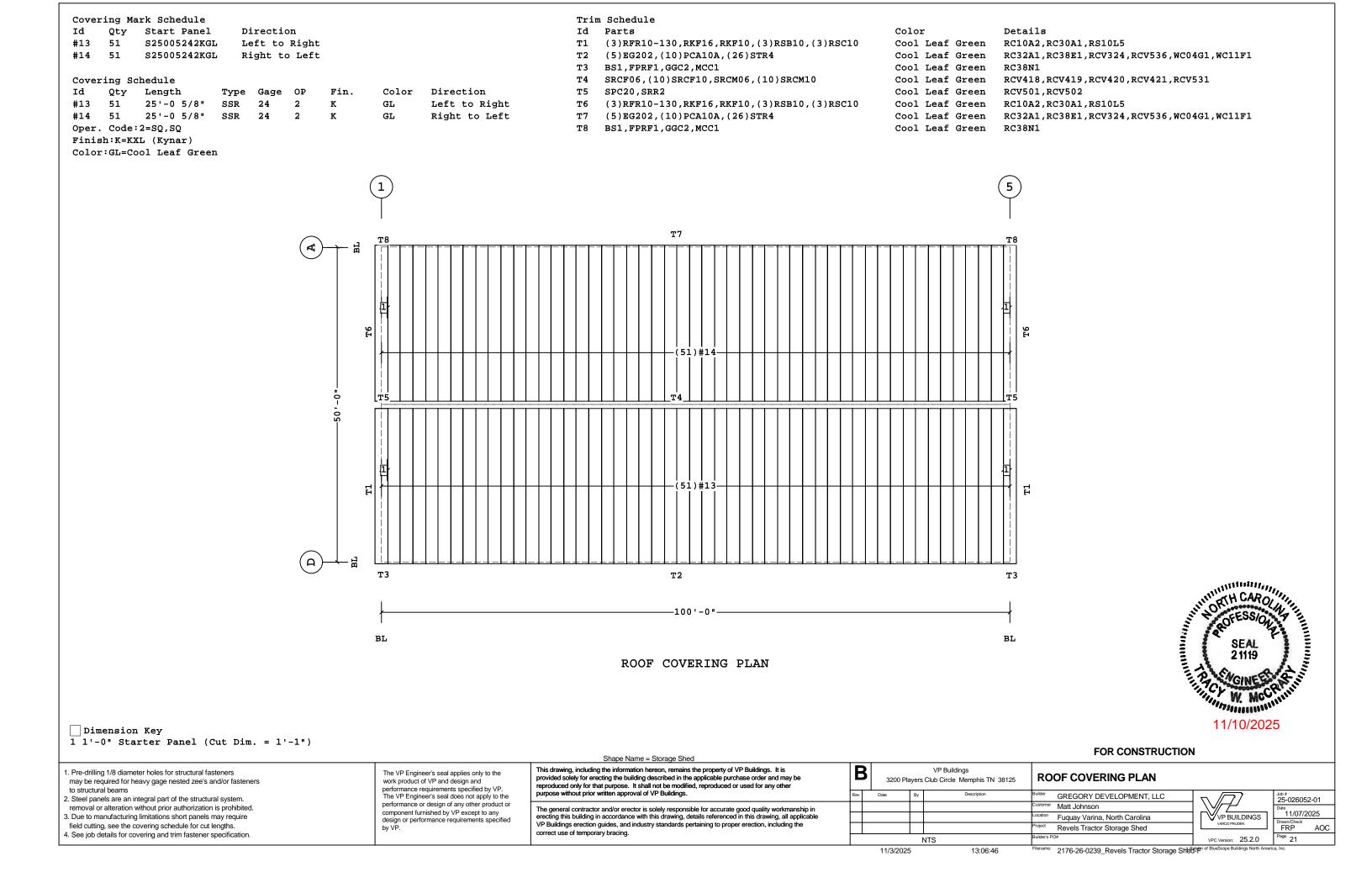
Job # 25-026052-01 VP BUILDINGS Page 20 VPC Version: 25.2.0

11/07/2025

AOC

FRP

2176-26-0239_Revels Tractor Storage Shadinsten of BlueScope Buildings North America



Covering Mark Schedule Trim Schedule Id Qty Start Panel Last Panel Increment Direction Start Dim. Id Parts Color Details #1 W05100261KWA W05040261KWA -6" 0'-0" 2 Left to Right from Peak T1 DFT12,JT12 Cool Arctic White WC24A1 #2 7 W16104261KWA W13104261KWA -6" 6'-0" Left to Right from Peak Т2 DFT12,HTS12 Cool Arctic White WC24A2 #3 2 W05100261KWA W05040261KWA -6" Right to Left from Peak 0'-0" Cool Arctic White WC24A1 Т3 DFT10,JT07 #5 7 W16104261KWA W13104261KWA -6" Right to Left from Peak 6'-0" Т4 DFT05,HTS05 Cool Arctic White WC24A2 (1.3)BG2415,(2)BT10 Cool Arctic White EN52A1, ENV003, RC00A1, WC01AB, WC04G1, WS27B2, WS27D2, WSR065 Т5 Covering Schedule (0.7)BG2415,(2)BT10 EN52A1, ENV003, RC00A1, WC01AB, WC04G1, WS27B2, WS27D2, WSR065 Cool Arctic White тб Ιd Qty Type Start Length Gage OP Fin. Color Increment Direction (0.3)BG2415,BT10 Cool Arctic White EN52A1, ENV003, RC00A1, WC01AB, WC04G1, WS27B2, WS27D2, WSR065 т7 5'-10" #1 2 PR 26 1 -6" Left to Right from Peak K WC20A1 CT16 Cool Arctic White Т8 #2 7 16'-10 1/2" K -6" Left to Right from Peak PR 26 1 WA #3 2 5'-10" 26 1 K WA -6" Right to Left from Peak PR

Oper. Code:1=SQ,SQ Finish: K=KXL (Kynar) Color: WA=Cool Arctic White

PR

16'-10 1/2"

26

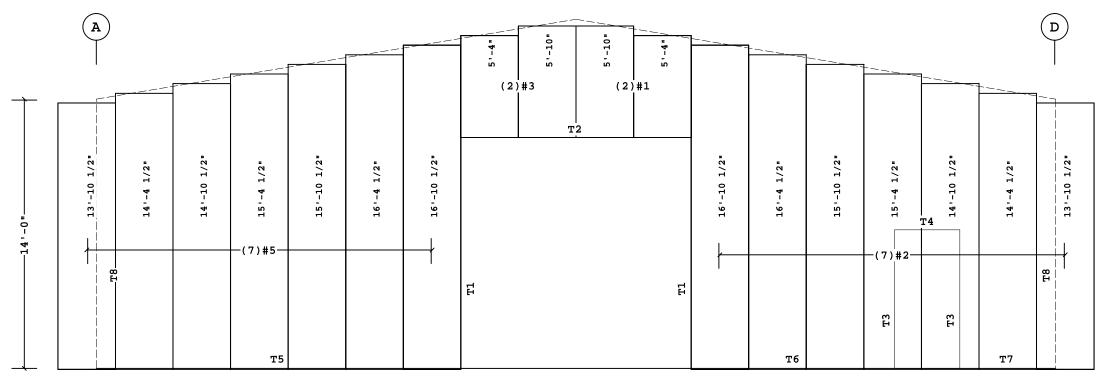
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K

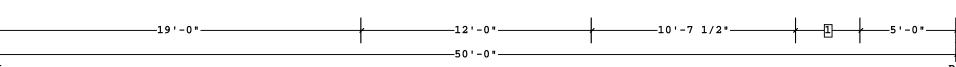
WA

#5

7



1 3'-4 1/2" Dimension Key



COVERING ELEVATION AT 1

Fastener Schedule

Part Color Description

0097584-100 (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural) Cool Arctic White

-6"

Right to Left from Peak

0097581-100 Cool Arctic White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel)

Shape Name = Storage Shed, Wall = 1

Pre-drilling 1/8 diameter holes for structural fasteners	
may be required for heavy gage nested zee's and/or fasteners	
to structural beams	

2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.

3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths. 4. See job details for covering and trim fastener specification.

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Onape Name - Otorage Oned, Wall - 1						
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numose without prior written approval of VP Ruildings						

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FOR CONSTRUCTION

B VP Buildings **COVERING ELEVATION AT 1** 3200 Players Club Circle Memphis TN 38125 GREGORY DEVELOPMENT, LLC Matt Johnson Fuguay Varina, North Carolina Revels Tractor Storage Shed NTS VPC Version: 25.2.0 13:06:48

VP BUILDINGS

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W. WCC

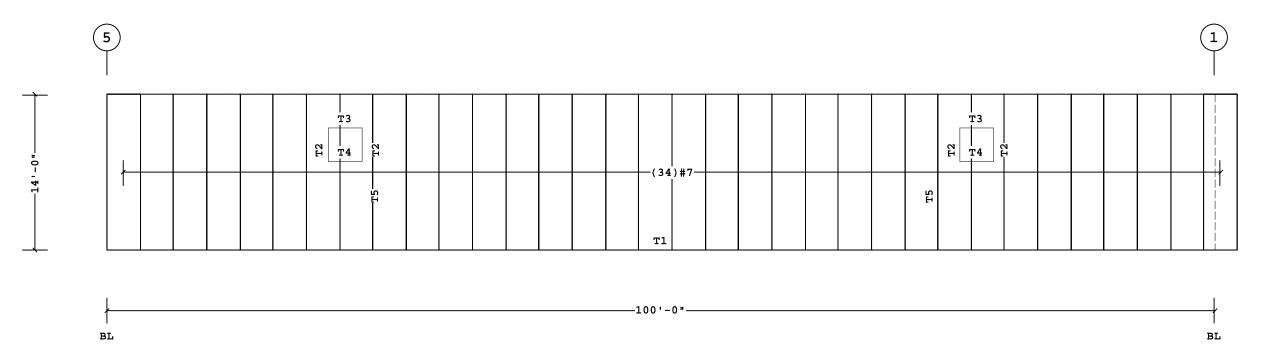
11/10/2025

25-026052-01 11/07/2025 FRP AOC Page 22

11/3/2025

2176-26-0239_Revels Tractor Storage Shadings of BlueScope Buildings North

Trim Schedule Covering Mark Schedule Details Id Parts Color Id Qty Start Panel Direction Start Dim. (6.7)BG2415,(10)BT10 EN52A1, ENV003, RC00A1, WC01AB, WC04G1, WS27B2, WS27D2, WSR065 T1 Cool Arctic White #7 34 W14006261KWA Left to Right 0'-0" Т2 DFT05,JT05 Cool Arctic White Т3 DFT05,HTS03 Cool Arctic White WC24A2 TDFH03 Cool Arctic White WC24A4 Т4 Covering Schedule 5CE75,(1.5)CP510,DN1,(3)DST1 Cool Arctic White RC38P1 Start Length Gage OP Fin. Color Direction Id Qty Type 14'-0 3/4" 26



COVERING ELEVATION AT A

WINDSHIP CARO W. WCC.

11/10/2025

VP BUILDINGS

25-026052-01

11/07/2025

AOC

Drawn/Chec FRP

Fastener Schedule

#7 34 PR

Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar) Color:WA=Cool Arctic White 1

K

WA

Left to Right

Part Color Description 0097584-100 Cool Arctic White

(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural)

0097581-100 (T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel) Cool Arctic White

Shape Name = Storage Shed, Wall = 2

FOR CONSTRUCTION

Revels Tractor Storage Shed

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The VP Engineer's seal does not apply to the to structural beams purpose without prior written approval of VP Buildings. Date GREGORY DEVELOPMENT, LLC 2. Steel panels are an integral part of the structural system. performance or design of any other product or Matt Johnson removal or alteration without prior authorization is prohibited. The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the component furnished by VP except to any design or performance requirements specified 3. Due to manufacturing limitations short panels may require Fuguay Varina, North Carolina field cutting, see the covering schedule for cut lengths.

correct use of temporary bracing.

NTS 11/3/2025 13:06:50

Page 23 VPC Version: 25.2.0 Filename: 2176-26-0239_Revels Tractor Storage Shadivision of BlueScope Buildings North A

4. See job details for covering and trim fastener specification.

Covering Mark Schedule Id Qty Start Panel Last Panel Increment Direction Start Dim. W17104261KWA

W13104261KWA -6" Left to Right from Peak 0'-0" W13104261KWA Right to Left from Peak 0'-0" -6"

Id Parts T1 (3.3)BG2415,(5)BT10 CT16

Trim Schedule

Color Cool Arctic White Cool Arctic White Details EN52A1, ENV003, RC00A1, WC01AB, WC04G1, WS27B2, WS27D2, WSR065

Covering Schedule

9

#10 9

Id Qty Type Start Length Gage OP Fin. Color Increment Direction #8 9 PR 17'-10 1/2" 26 1 K WA -6" Left to Right from Peak 17'-10 1/2" #10 9 PR 26 1 K WA -6" Right to Left from Peak

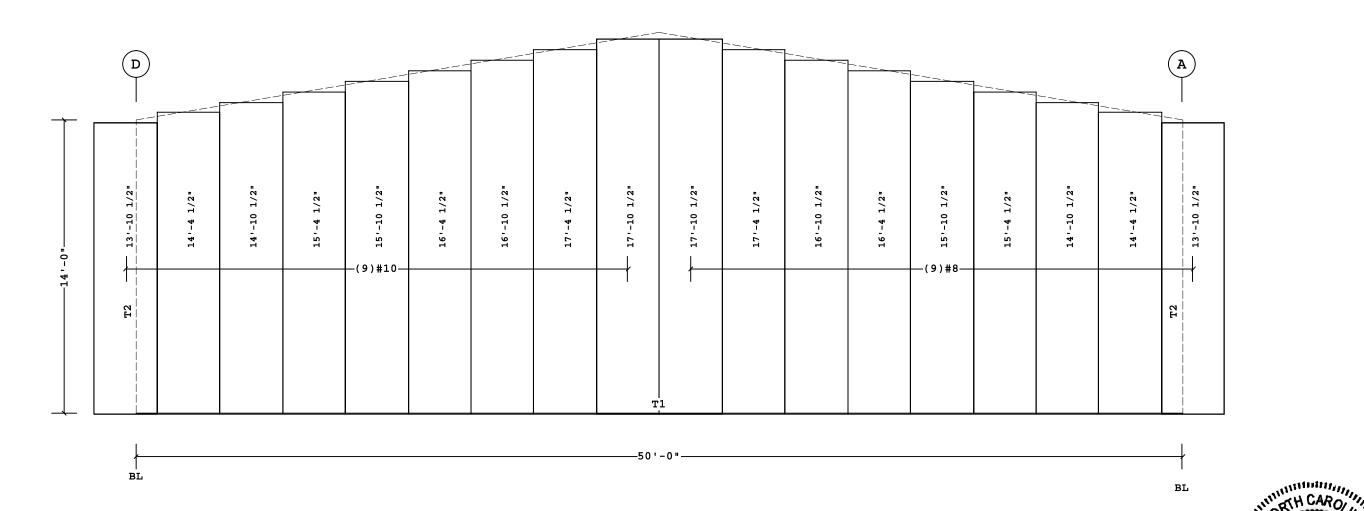
Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar) Color:WA=Cool Arctic White

W17104261KWA

NOTE:

THIS ENDWALL HAS BEEN DESIGNED UTILIZING SHEAR DIAPHRAGM ACTION OF PANEL RIB SHEETING AS BRACING. REMOVAL OF WALL SHEETING OR SEGMENTS THEREOF (I.E. FIELD LOCATED OPENINGS, ETC.) IS PROHIBITED .

WC20A1



COVERING ELEVATION AT 5

Fastener Schedule

Part Color Description 0097584-100 (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural) Cool Arctic White

0097581-100 Cool Arctic White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel)

Shape Name = Storage Shed, Wall = 3

FOR CONSTRUCTION

Revels Tractor Storage Shed

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The VP Engineer's seal does not apply to the to structural beams purpose without prior written approval of VP Buildings. Date GREGORY DEVELOPMENT, LLC 2. Steel panels are an integral part of the structural system. performance or design of any other product or Matt Johnson removal or alteration without prior authorization is prohibited. component furnished by VP except to any design or performance requirements specified 3. Due to manufacturing limitations short panels may require Fuguay Varina, North Carolina field cutting, see the covering schedule for cut lengths.

> NTS 11/3/2025

13:06:51

Page 24 VPC Version: 25.2.0 2176-26-0239_Revels Tractor Storage Shedisten of BlueScope Buildings North A

W. WCC.

11/10/2025

VP BUILDINGS

25-026052-01

11/07/2025

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4. See job details for covering and trim fastener specification.

by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

Trim Schedule Covering Mark Schedule Id Parts Color Details Id Qty Start Panel Direction Start Dim. EN52A1,ENV003,RC00A1,WC01AB,WC04G1,WS27B2,WS27D2,WSR065 T1 (6.7)BG2415,(10)BT10 Cool Arctic White #12 34 W14006261KWA Left to Right 0'-0" Т2 DFT05,JT05 WC24A1 Cool Arctic White Т3 DFT05,HTS05 WC24A2 Cool Arctic White Т4 TDFH05 Cool Arctic White WC24A4 Covering Schedule 5CE75,(1.5)CP510,DN1,(3)DST1 Cool Arctic White RC38P1 Id Qty Type Start Length Gage OP Fin. Color Direction

〔5〕 Т3 12 T4(34) #12T1 -100'-0"

COVERING ELEVATION AT D

MINITH CARO W. WCC.

11/10/2025

25-026052-01

11/07/2025

AOC

Drawn/Chec FRP

Fastener Schedule Part Color Description

BL

0097584-100 Cool Arctic White (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural)

0097581-100 (T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel) Cool Arctic White

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners

to structural beams 2. Steel panels are an integral part of the structural system.

removal or alteration without prior authorization is prohibited. 3. Due to manufacturing limitations short panels may require

field cutting, see the covering schedule for cut lengths. 4. See job details for covering and trim fastener specification.

#12 34 PR

Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar)

Color:WA=Cool Arctic White

14'-0 3/4"

26 1 K

WA

Left to Right

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Shape Name = Storage Shed, Wall = 4 This drawing, including the information hereon, remains the property of VP Buildings. It is provided solely for erecting the building described in the applicable purchase order and may be reproduced only for that purpose. It shall not be modified, reproduced or used for any other purpose without prior written approval of VP Buildings.

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FOR CONSTRUCTION

BL

B VP Buildings **COVERING ELEVATION AT D** 3200 Players Club Circle Memphis TN 38125 GREGORY DEVELOPMENT, LLC Date Matt Johnson Fuquay Varina, North Carolina VP BUILDINGS Revels Tractor Storage Shed NTS VPC Version: 25.2.0 11/3/2025 13:06:52

Page 25 Filename: 2176-26-0239_Revels Tractor Storage Shadivision of BlueScope Buildings North A

Wall Liner Mark Schedule Trim Schedule Qty Start Panel Id Parts Direction Details Ιd Start Dim. Color W08000261KOW 0'-0",30'-0" #4 Left to Right T1 (2)LTA10 WC61A7, WCV060 14 Cool Cotton White WC24A1,WCV060 Т2 JT10 Cool Cotton White Т3 **JT**07 WC24A1,WCV060 Cool Cotton White Wall Liner Schedule Т4 HT05 Cool Cotton White WCV060,WLV029 Qty Type Length Gage OP Finish Color Direction Т5 (2)JT10 Cool Cotton White WC61A9 #4 14 PR 8'-0" OW Left to Right (2)JT10 Cool Cotton White WC61A9 Т6 Oper. Code:1=SQ,SQ Finish: K=KXL (Kynar) Color:OW=Cool Cotton White A Open T1 T1 Т4 (7)#4 -(7)#4 3''-4 1/2"---ROFESS! 10'-7 1/2" -5'-0" -12'-0" -50'-0" WALL LINER ELEVATION AT 1 (View from inside Building) W. Mc Fastener Schedule Description Part Color 11/10/2025

0097584-102 Cool Cotton White (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural)

0097581-102 Cool Cotton White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel)

Shape Name = Storage Shed, Wall = 1

FOR CONSTRUCTION

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The VP Engineer's seal does not apply to the to structural beams purpose without prior written approval of VP Buildings. GREGORY DEVELOPMENT, LLC 2. Steel panels are an integral part of the structural system. performance or design of any other product or The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the Matt Johnson removal or alteration without prior authorization is prohibited. component furnished by VP except to any design or performance requirements specified 3. Due to manufacturing limitations short panels may require Fuquay Varina, North Carolina field cutting, see the covering schedule for cut lengths. Revels Tractor Storage Shed correct use of temporary bracing.

VP BUILDINGS

25-026052-01 11/07/2025 FRP AOC Page 26 VPC Version: 25.2.0

NTS 13:06:53

2176-26-0239_Revels Tractor Storage Shedyisten of BlueScope Buildings North

4. See job details for covering and trim fastener specification.

11/3/2025

Wall Liner Mark Schedule Qty Start Panel Direction Start Dim. Ιd W08000261KOW #6 Left to Right 0'-0" 34

26

1

Finish Gage OP Color Direction

OW

Left to Right

K

Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar) Color:OW=Cool Cotton White

PR

Type Length

8'-0"

Wall Liner Schedule

Qty

34

Id

#6

Trim Schedule

HT05

(2)JT10

Т3

T4

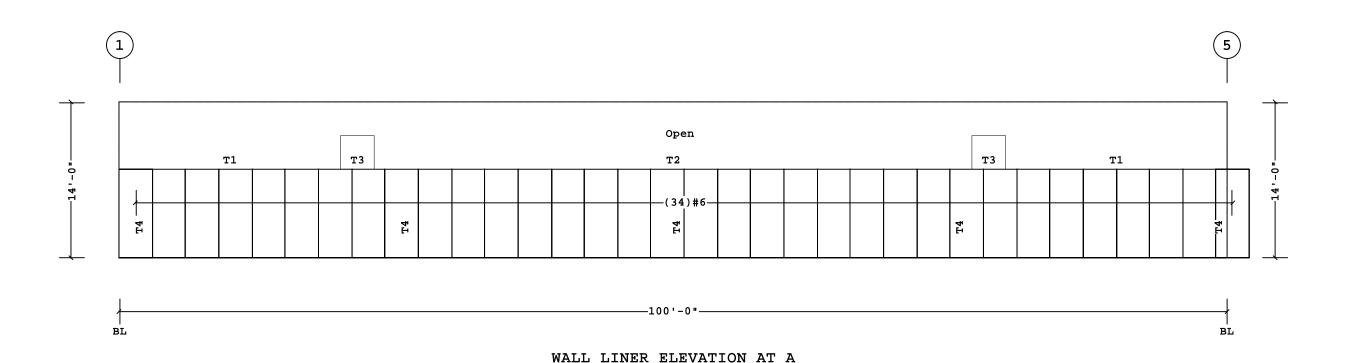
Id Parts T1 (2)LTA10 (5)LTA10,LTA05 Т2

Cool Cotton White Cool Cotton White

Color

Details WC61A7, WCV060 WC61A7,WCV060

WC31A3 Cool Cotton White Cool Cotton White WC61A9



NOTE:

- FITTING WORK WILL BE NEEDED BETWEEN THE TOP LINER TRIM AND SILL TRIM.

(View from inside Building)

W. W. W.

WINDSHIP CARO

11/10/2025

Fastener Schedule

1. Pre-drilling 1/8 diameter holes for structural fasteners

2. Steel panels are an integral part of the structural system.

removal or alteration without prior authorization is prohibited.

3. Due to manufacturing limitations short panels may require

may be required for heavy gage nested zee's and/or fasteners

Description Part Color

0097584-102 Cool Cotton White (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural)

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performance or design of any other product or

component furnished by VP except to any design or performance requirements specified

work product of VP and design and performance requirements specified by VP.
The VP Engineer's seal does not apply to the

0097581-102 Cool Cotton White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel)

Shape Name = Storage Shed, Wall = 2

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B WALL LINER ELEVATION AT A 3200 Players Club Circle Memphis TN 38125 GREGORY DEVELOPMENT, LLC Matt Johnson Fuquay Varina, North Carolina Revels Tractor Storage Shed NTS

25-026052-01 11/07/2025 VP BUILDINGS Drawn/Chec FRP Page 27 VPC Version: 25.2.0

AOC

field cutting, see the covering schedule for cut lengths. 4. See job details for covering and trim fastener specification.

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VP Buildings

2176-26-0239_Revels Tractor Storage Shedyisten of BlueScope Buildings North

FOR CONSTRUCTION

Wall Liner Mark Schedule Trim Schedule Qty Start Panel Direction Id Parts Details Start Dim. Color Ιd W08000261KOW WC61A7, WCV060 #9 17 Left to Right 0'-0" T1 (5)LTA10 Cool Cotton White Т2 (2)JT10 WC61A9 Cool Cotton White Т3 (2)JT10 Cool Cotton White WC61A9 Wall Liner Schedule Qty Type Length Gage OP Finish Color Direction Ιd #9 17 PR 8'-0" 26 OW 1 K Left to Right Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar) Color:OW=Cool Cotton White D Open T1 -(17)#9· -50'-0" WHITH CAR WALL LINER ELEVATION AT 5 (View from inside Building) W. Mc Fastener Schedule Description Part Color 11/10/2025 0097584-102 Cool Cotton White (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural) 0097581-102 Cool Cotton White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel) FOR CONSTRUCTION Shape Name = Storage Shed, Wall = 3 This drawing, including the information hereon, remains the property of VP Buildings. It is B VP Buildings 1. Pre-drilling 1/8 diameter holes for structural fasteners The VP Engineer's seal applies only to the **WALL LINER ELEVATION AT 5** provided solely for erecting the building described in the applicable purchase order and may be reproduced only for that purpose. It shall not be modified, reproduced or used for any other 3200 Players Club Circle Memphis TN 38125 may be required for heavy gage nested zee's and/or fasteners work product of VP and design and performance requirements specified by VP.
The VP Engineer's seal does not apply to the purpose without prior written approval of VP Buildings. GREGORY DEVELOPMENT, LLC 25-026052-01 2. Steel panels are an integral part of the structural system. performance or design of any other product or The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the Matt Johnson removal or alteration without prior authorization is prohibited. component furnished by VP except to any design or performance requirements specified 11/07/2025 3. Due to manufacturing limitations short panels may require Fuquay Varina, North Carolina VP BUILDINGS Drawn/Chec FRP field cutting, see the covering schedule for cut lengths.

correct use of temporary bracing.

4. See job details for covering and trim fastener specification.

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Revels Tractor Storage Shed

Filename: 2176-26-0239_Revels Tractor Storage Shadivision of BlueScope Buildings North.

NTS

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11/3/2025

Wall Liner Mark Schedule Qty Start Panel Direction Start Dim. Ιd W08000261KOW Left to Right #11 34 0'-0"

26

1

Gage OP Finish Color Direction

K

OW

#11 34 PR 8'-0" Oper. Code:1=SQ,SQ Finish:K=KXL (Kynar)

Wall Liner Schedule

Qty

Id

Color:OW=Cool Cotton White

Type Length

Trim Schedule

Т2

Т3

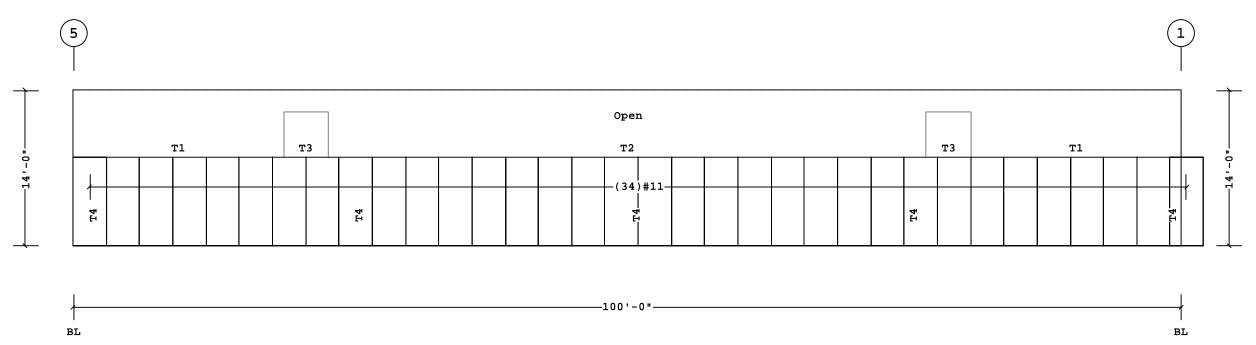
T4

Id Parts T1 (2)LTA10 Color Cool Cotton White Cool Cotton White

WC61A7, WCV060 WC61A7, WCV060

Details

(5)LTA10,LTA05 HT05 Cool Cotton White WC31A3 (2)JT10 Cool Cotton White WC61A9



WALL LINER ELEVATION AT D (View from inside Building)

NOTE:

Left to Right

- FITTING WORK WILL BE NEEDED BETWEEN THE TOP LINER TRIM AND SILL TRIM.

WHITH CAR W. McCin 11/10/2025

Fastener Schedule

Description Part Color

0097584-102 Cool Cotton White (T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer (Panel to Structural)

0097581-102 Cool Cotton White $(T-1) 1/4-14 \times 7/8$ ", 5/16" Hex Hd, SS Cap w/Washer (Panel to Panel)

Shape Name = Storage Shed, Wall = 4

FOR CONSTRUCTION

Pre-drilling 1/8 diameter holes for structural fasteners							
may be required for heavy gage nested zee's and/or fasteners							
to structural beams							
2. Steel panels are an integral part of the structural system.							

removal or alteration without prior authorization is prohibited.

3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths. 4. See job details for covering and trim fastener specification.

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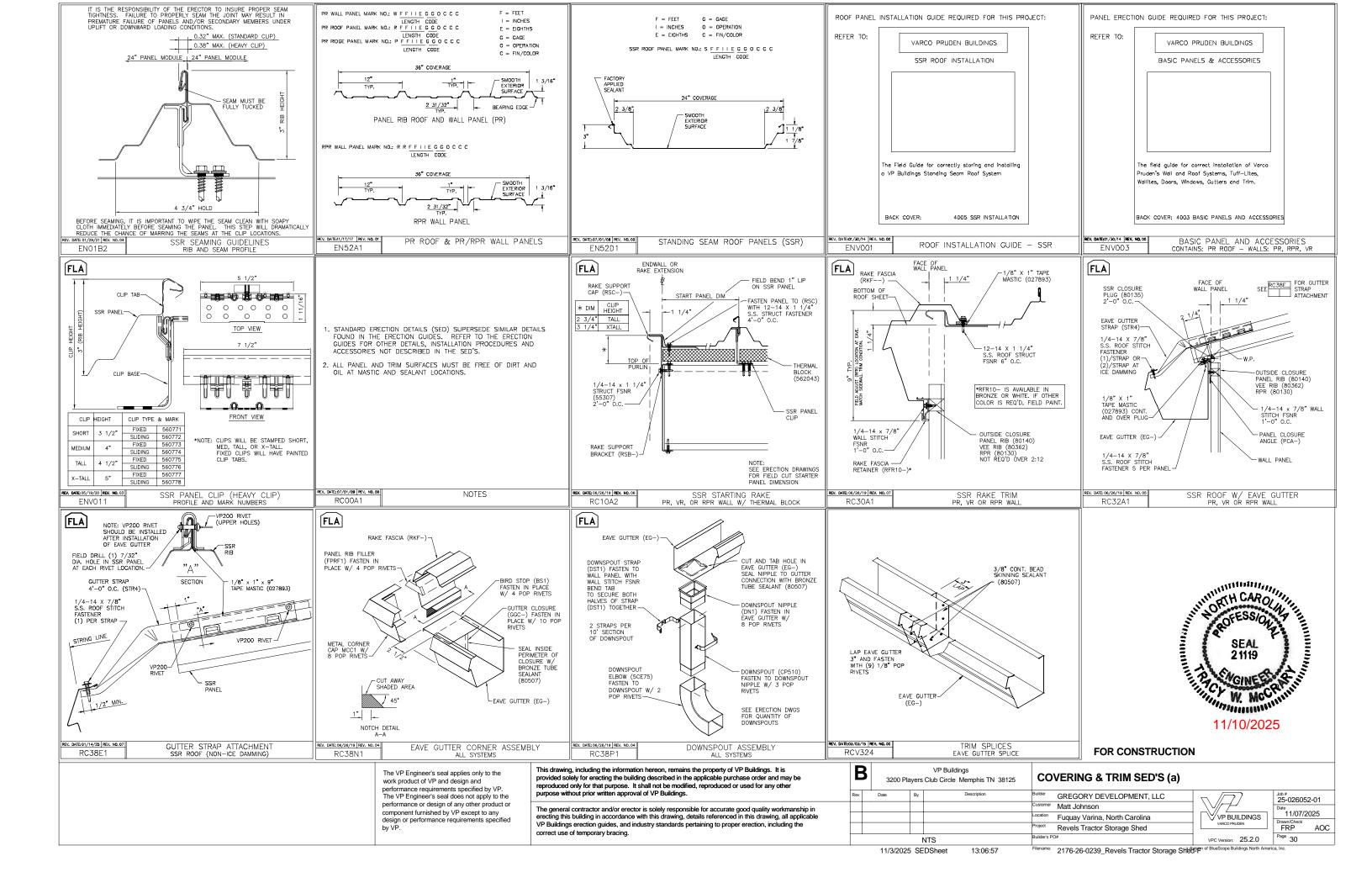
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	Rev	Date	Ву	Description	Builder GREGORY DEVELOPMENT, LLC	$\overline{}$	
		•			Customer Matt Johnson	V	
					Location Fuquay Varina, North Carolina	$\lceil \vee \rceil$	
					Project Revels Tractor Storage Shed		
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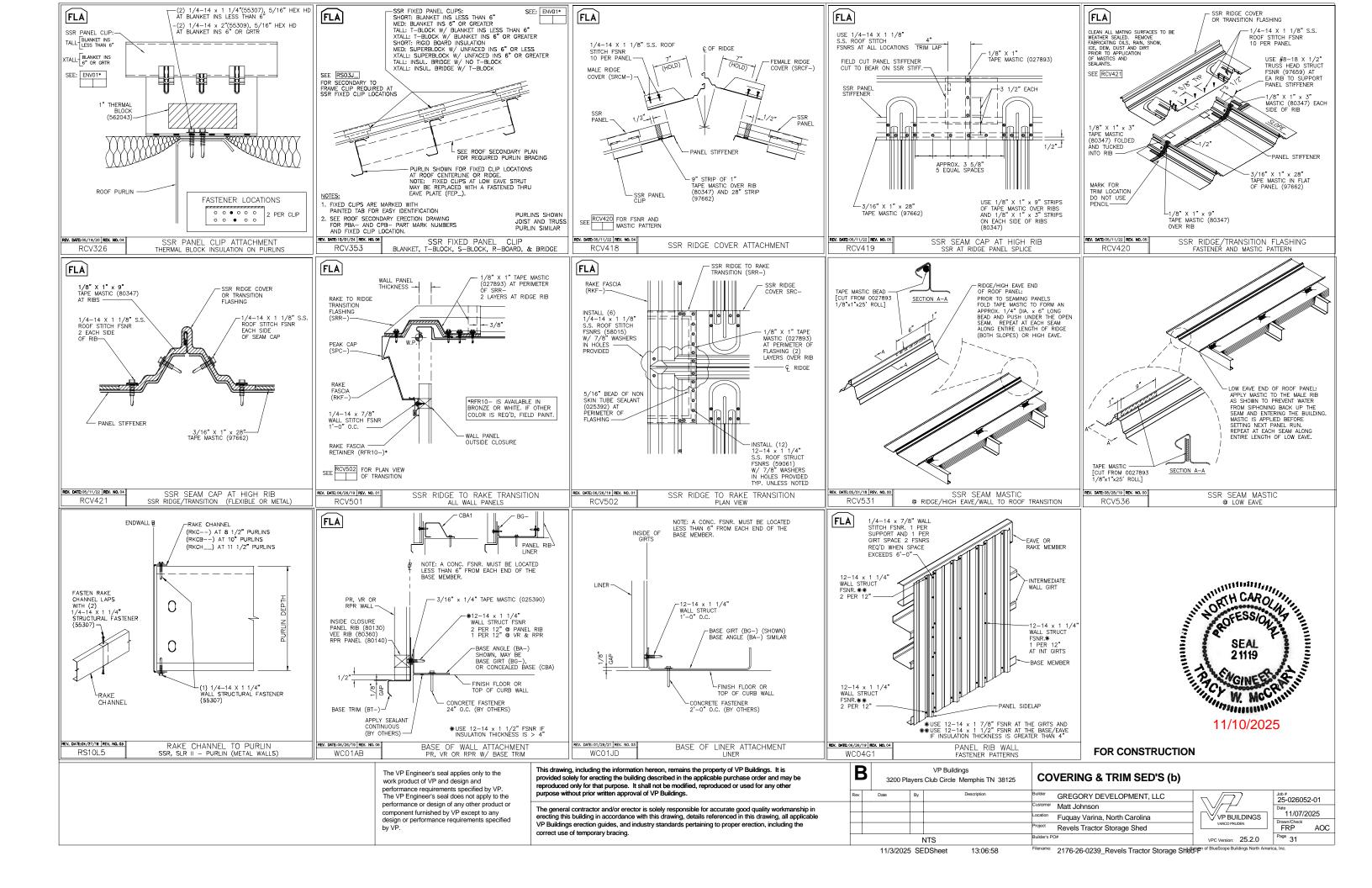
11/07/2025 Drawn/Check FRP Page 29 Version: 25.2.0

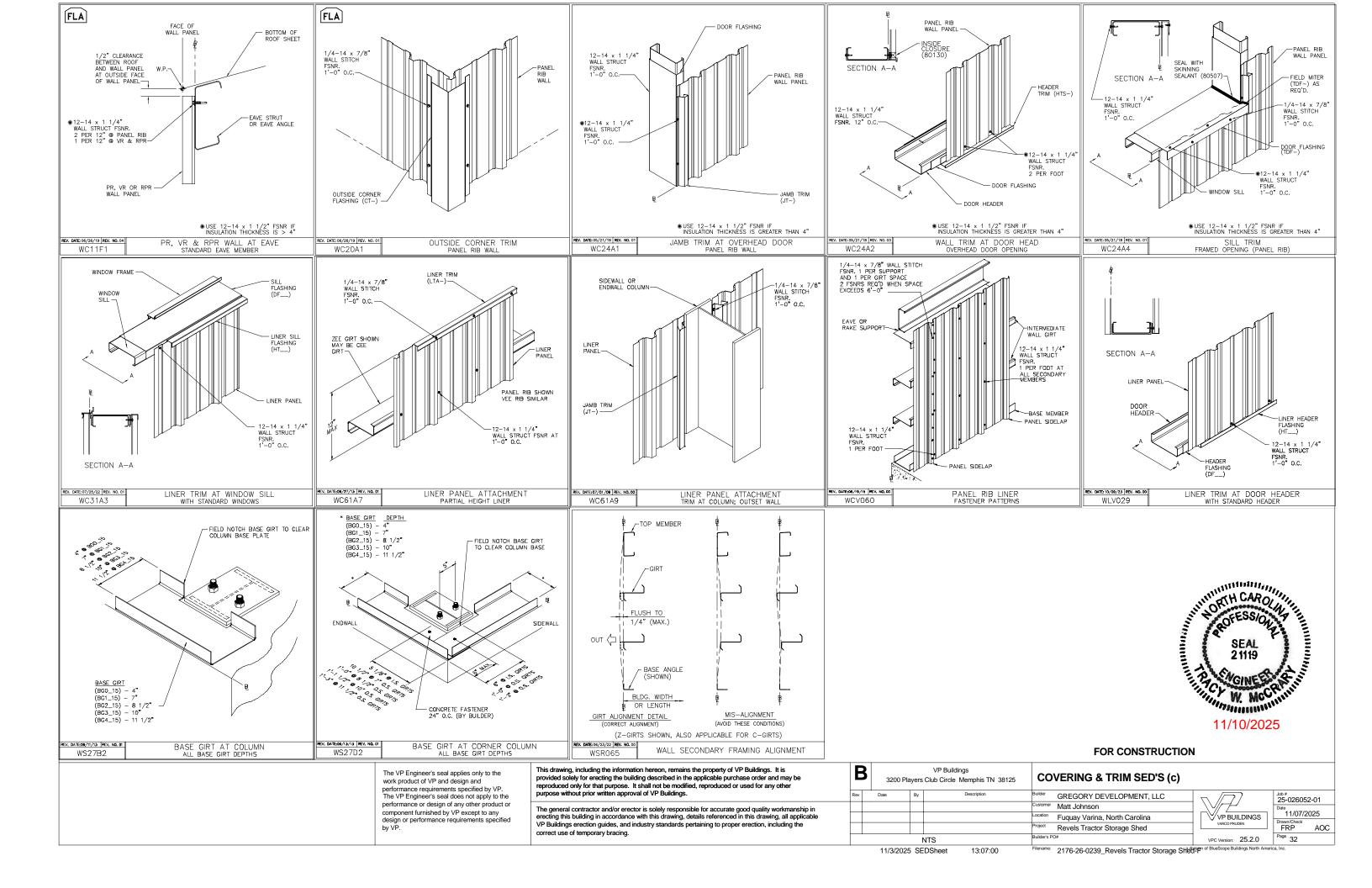
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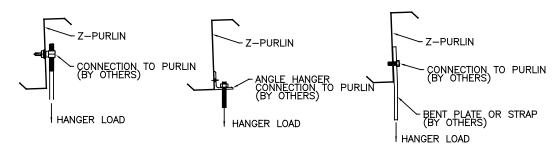
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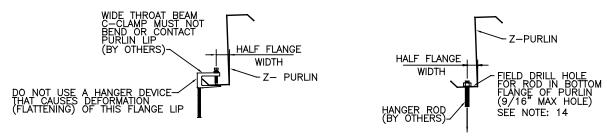






WEB HANGERS

FOR 1/2" DIAM. BOLT TO PURLIN CONNECTION -- MAX HANGER LOAD=1500lbs PURLIN MUST BE SPECIFICALLY DESIGNED FOR LOADS GREATER THAN 500 LB. SEE NOTE: 2.



VERIFY OVERALL PURLIN DESIGN CAN TAKE APPLIED LOADS. SEE NOTE: 2

MAXIMU	MAXIMUM LOAD SUSPENDED FROM BOTTOM FLANGE (LOCATED AT HALF—FLANGE WIDTH)							
THICKNESS	MAX LOAD	THICKNESS	MAX LOAD					
0.060"	110lbs	0.088"	200lbs					
0.068"	120lbs	0.098"	250lbs					
0.073"	140lbs	0.000	200100					
0.079"	180lbs	0.113"	250lbs					

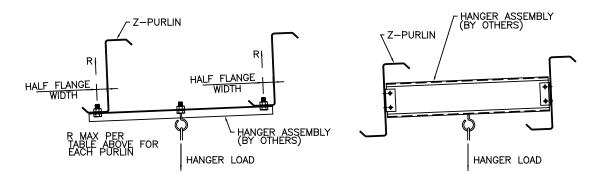
FOR LOADS LOCATED MORE THAN HALF FLANGE WIDTH FROM WEB. USE HALF OF THE LOADS SHOWN ABOVE.

BOTTOM FLANGE CLAMP HANGER

(TOP FLANGE SIMILAR)

BOTTOM FLANGE ROD HANGER (TOP FLANGE SIMILAR)

DO NOT USE ANY OF THE DETAILS ABOVE IF ROOF SLOPE IS GREATER THAN 4:12



DOUBLE PURLIN HANGERS VERIFY OVERALL PURLIN DESIGN CAN SUPPORT APPLIED LOADS.

GENERAL NOTES

- 1. CONCENTRATED LOADS GREATER THAN 500lbs ON ANY SINGLE PURLIN MUST BE EXPLICITLY LOCATED AND DESIGNED FOR DURING DESIGN OF BUILDING SYSTEM.
- 2. SPECIFIED COLLATERAL LOADS MAY BE CONVERTED TO SAFE CONCENTRATED LOADS AS FOLLOWS, WHERE P = MAX CONCENTRATED LOAD(lbs); W = UNIFORM COLLATERAL LOAD (PSF) x PURLIN SPACING (ft) = lbs/ft; L = PURLIN SPAN (ft). HANGERS SHOULD BE SPACED APPROX. EQUAL.

P MAX= 0.5wl

P MAX = 0.4wI

P MAX= 0.25wl

IP IP IP IP P MAX= 0.2wl

OR MORE HANGERS PER PURLIN MAX= W x HANGER SPACING

EXAMPLE: A PIPE IS SUSPENDED FROM A PURLIN AT 3 LOCATIONS EQUALLY SPACED BAY SPACING = 24'-0"PURLIN SPACING = 5'-0"SPECIFIED COLLATERAL LOAD = 5 PSF $W = 5 PSF \times 5' = 25 PLF$ L = 24' - 0" $PMAX = 0.25 \times 25 PLF \times 24'-0" = 150 LBS AT EACH LOCATION$ THE PURLIN CAN SUPPORT 3 LOADS UP TO 150 LBS EACH. PICK A HANGER CONNECTION CAPABLE OF SUPPORTING ACTUAL APPLIED LOADS.

- 3. FOR LOADS GREATER THAN 250 lbs, PURLINS MUST BE "BLOCKED" AT LOCATION OF LOAD TO PREVENT PURLIN ROTATION.
- 4. EQUIPMENT LOADS SHOULD BE OBTAINED FROM CERTIFIED EQUIPMENT DRAWINGS AND MANUFACTURER'S DATA.
- 5. Z-PURLINS WILL DEFLECT UNDER SNOW AND WIND LOADS. ITEMS THAT MAY BE DAMAGED DUE TO DEFLECTIONS, (EX. GAS VERIFY THAT PIPES OR SUSPENDED EQUIPMENT ARE COMPATIBLE WITH EXPECTED DEFLECTION RANGES (±L/180).
- 6. THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) REQUIRES SPRINKLER HANGERS TO BE DESIGNED FOR A MINIMUM LOAD OF FIVE TIMES THE WEIGHT OF THE WATER—FILLED PIPE PLUS 250 POUNDS. THE HANGER ITSELF MUST BE ABLE TO SUPPORT THIS LOADING, IT IS NOT NECESSARY TO DESIGN THE SUPPORTING MEMBER FOR THIS LOAD IN COMBINATION WITH THE DESIGN LOADS.
- 7. SUSPENDED LOADS WILL NEED TO BE BRACED (TO THE PRIMARY FORCE RESISTING SYSTEM) FOR LATERAL STABILITY DUE TO EARTHQUAKES.
- 8. HANGER DESIGN IS NOT THE RESPONSIBILITY OF BLUESCOPE.
- 9. TOP FLANGE HANGERS SHOULD BE AVOIDED ON BUILDINGS WITHOUT INSULATION SPACER BLOCKS ON TOP OF THE TOP FLANGE. IF TOP FLANGE HANGERS ARE REQUIRED, PLACE THE HANGERS AT THE ROOF PANEL MAJOR CORRUGATION LOCATION TO AVOID DAMAGING THE ROOF PANEL WITH THE HANGER WHEN THE ROOF PANEL IS LOADED OR WALKED ON.
- 10. WHEN BEAM C-CLAMPS OR OTHER ROD HANGERS ARE USED ON THE TOP FLANGE, THE ROD SHOULD NOT EXTEND ABOVE THE TOP OF THE CLAMP TO AVOID DAMAGING THE ROOF PANEL WITH THE ROD WHEN THE ROOF PANEL IS LOADED OR WALKED ON.
- 11. DO NOT HANG ANY TYPE OF CRANE, HOIST, CONVEYOR OR ANY MOVING LOADS FROM THE Z-PURLINS.
- 12. DO NOT HANG ANY LOAD FROM BBNA SUPPLIED PURLIN BRACES OR BRIDGING.
- 13. DO NOT WELD ANY PART OF THE Z-PURLIN.
- 14. HOLES MUST NOT EXCEED 9/16" DIAMETER UNLESS AUTHORIZED BY BBNA ENGINEER. DRILL OR REAM HOLES WHEN REQUIRED— DO NOT FLAME CUT



CONCENTRATED LOADS ON ROOF Z-PURLIN HANGER DETAILS GROUP NUMBER: 80-054-01 REVERITT RBENTON FIRST RELEASE DATE REVISION DATE

02/26/10 02/26/20 В B-081465

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	3200 Players Club Circle Memphis TN 38125			B-081465			
٧	Date	Ву	Description	Builder	GREGORY DEVELOPMENT, LLC	Z //->	
				Customer	Matt Johnson		
				Location	Fuquay Varina, North Carolina	VP BUILDINGS	
				Project	Revels Tractor Storage Shed	VARCO PRUDEN	
NTS				Builder's Po	O#	VPC Version: 25.2.0	

VP Buildings

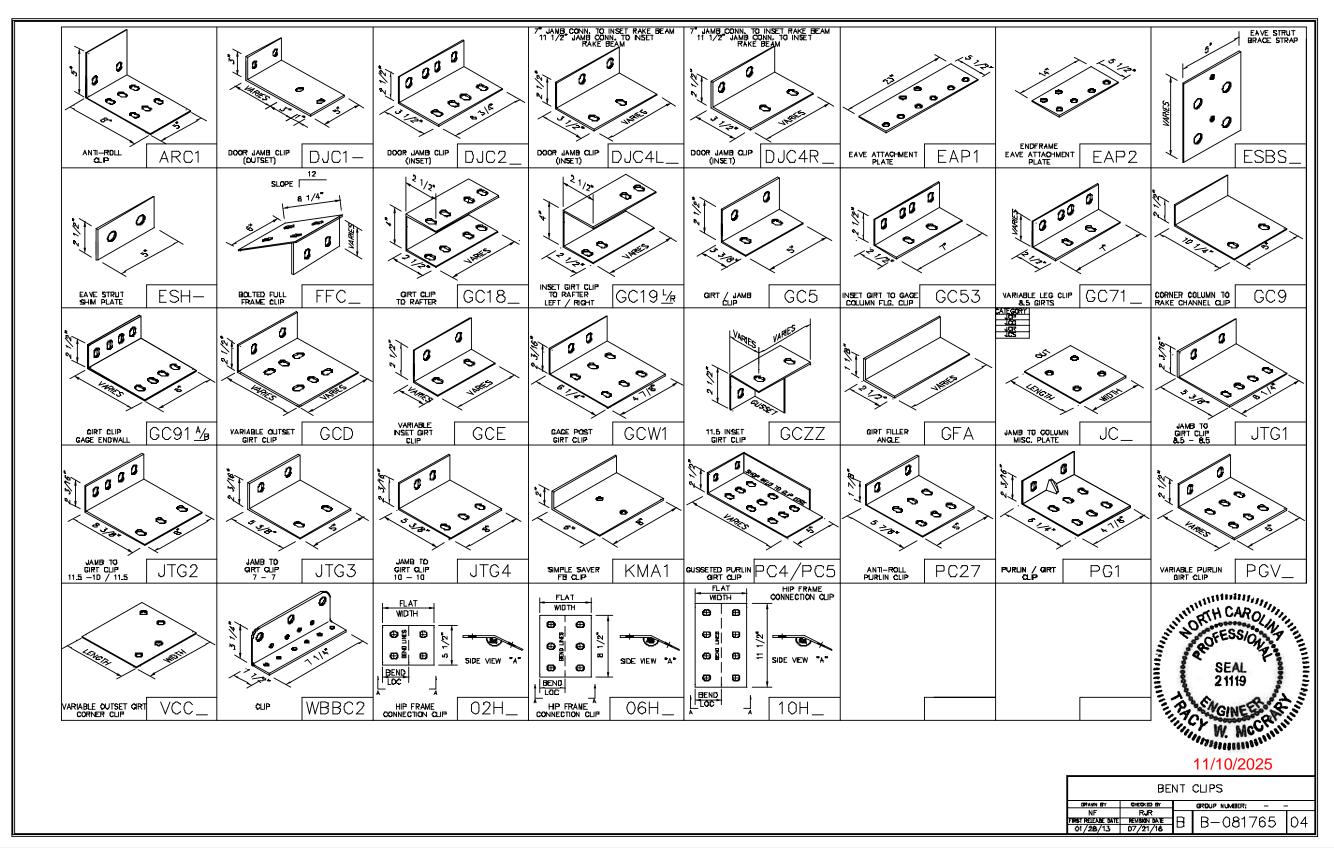
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VP Buildings 3200 Players Club Circle Memphis TN 38125			3 -	B-0	B-081765			
ev	Date	Ву		Description	Builder	GREGORY DEVELOPMENT, LLC	\ \(\sigma \)	
					Customer	Matt Johnson	<i>\\</i> //-/-/	
					Location	Fuquay Varina, North Carolina	VP BUILDINGS	
					Project	Revels Tractor Storage Shed	VARCO PRUDEN	
	NTS				Builder's P		VPC Version: 25.2.0	
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MISC. STRUCTURAL FASTENERS (T-2) #12-14 x 1 1/4", 5/16" HEX HD, SS CAP W/WASHER MARK MARK MARK NUMBER DESCRIPTION NUMBER (T-3) 1/4-14 x 1 1/4", 5/16" HEX HD (T-3) 1/4-14 x 2", 5/16" HEX HD (T-3) 1/4-14 x 3", 3/8" HEX HD (T-3) 1/4-14 x 4", 3/8" HEX HD (T-5) #12-24 x 1 1/2", 5/16" HEX HD (T-5) 1/4-28 x 3", 5/16" HEX HD (T-5) 1/4-28 x 4", 5/16" HEX HD (T-AB) #17-14 x 1", 5/16" HEX HD, SS CAP W/WASHER (BAG of 50) (T-1) 1/4-14 x 1 1/8", 5/16" HEX HD, SS CAP W/ 7/8" WASHER NUMBER COLOR PANEL RIB 3' INSIDE CLOSURE PANEL RIB 3' OUTSIDE CLOSURE 80130 55307 097584___ SEE COLOR SUFFIX CHART BELOW 80140 55309 55310 80360 VEE RIB 3' INSIDE CLOSURE VEE RIB 3' OUTSIDE CLOSURE 80362 ROOF/WALL STRUCTURAL FASTENER 55311 80140 RPR 3' INSIDE PANEL CLOSURE 56104 (T-2) #12-14 x 1 1/2", 5/16" HEX HD, SS CAP W/WASHER RPR 3' OUTSIDE PANEL CLOSURE 80130 59227 MARK 80135 SSR FOAM INSIDE CLOSURE 59228 NUMBER COLOR 80136 SSR HARD RUBBER INSIDE CLOSURE 55308 097585___ SEE COLOR SUFFIX CHART BELOW WALL STRUCTURAL FASTENER (T-2) #17/#12-14 x 1 7/8", STAND OFF 5/16" HEX HD, SS CAP W/WASHER POP RIVETS **RIVETS** MARK NUMBER BULB TITE STRUCTURAL BLIND RIVET POP RIVET 1/8 x 3/8" 097597___ SEE COLOR SUFFIX CHART BELOW MARK MARK NUMBER DESCRIPTION COLOR NUMBER COLOR ROOF STITCH FASTENER 097580___ SEE COLOR SUFFIX CHART BELOW 55160 VP200 RIVET (RV6604-6-8W OLYMPIC BULB TITE) ALUMINUM VP205 RIVET (RV6604-6-4W OLYMPIC BULB TITE) COOL ARCTIC WHITE (T-1) 1/4-14 x 1 1/8", 5/16" HEX HD, SS CAP W/WASHER 55185 VP205 RIVET (RV6604-6-4W OLYMPIC BULB TITE) COOL DARK BRONZE MARK NUMBER COLOR 097582___ SEE COLOR SUFFIX CHART BELOW **SEALANT** ROOF/WALL STITCH FASTENER MARK DESCRIPTION NUMBER (T-1) 1/4-14 x 7/8", 5/16" HEX HD, SS CAP W/WASHER 016688 GRAY SKINNING MARK 025392 GRAY NON-SKINNING NUMBER COLOR 80507 BRONZE SKINNING 097581___ SEE COLOR SUFFIX CHART BELOW 80531 FLEXIBLE FLASHING SILICONE ADHESIVE (GRAY) TAPE MASTIC MARK COLOR SUFFIX CHART NUMBER DESCRIPTION SUFFIX COLOR SUFFIX COLOR 97663 3/16" X 1 1/2" X 40' ROLL 100 = COOL ARCTIC WHITE 112 = COOL GRANITE GRAY 3/16" X 1" X 28" BOX OF 100 113 = COOL SIERRA TAN 101 = COOL EGYPTIAN WHITE 200 LINEAL FEET OF COVERAGE PER BOX 102 = COOL COTTON WHITE 115 = COOL COLBALT BLUE 1/8" X 1" X 9" (50) AND 3" (150) BOX 100 LINEAR FEET OF COVERAGE PER BOX 80347 103 = COOL COLONIAL RED 116 = COOL ZINC GRAY 104 = COOL STRAW GOLD 117 = COOL COPPER PENNY 105 = COOL DARK BRONZE 118 = COOL METALLIC SILVER 1/8" X 1" X 25' ROLL 027893 MINISTH CARO, 1/2 106 = COOL WEATHERED COPPER 119 = COOL JADE GREEN 3/16" X 1/4" X 40' ROLL 025390 120 = COOL BRIGHT RED 107 = COOL BERMUDA GREEN ORTH CAROLIN 108 = COOL HEMLOCK GREEN 121 = COOL PARCHMENT 122 = COOL OLD TOWN GRAY 109 = COOL LEAF GREEN 110 = COOL EBONYUNPNTD = UN PAINTED111 = COOL IMPERIAL BLUE SPR = SPECIAL REQUEST SEAL 21119 W. McCRini 11/10/2025 VP COMMON WAREHOUSE PARTS

FOR CONSTRUCTION

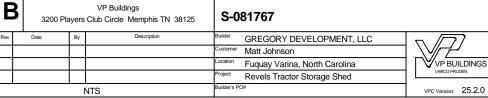
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ROOF/WALL STRUCTURAL FASTENER

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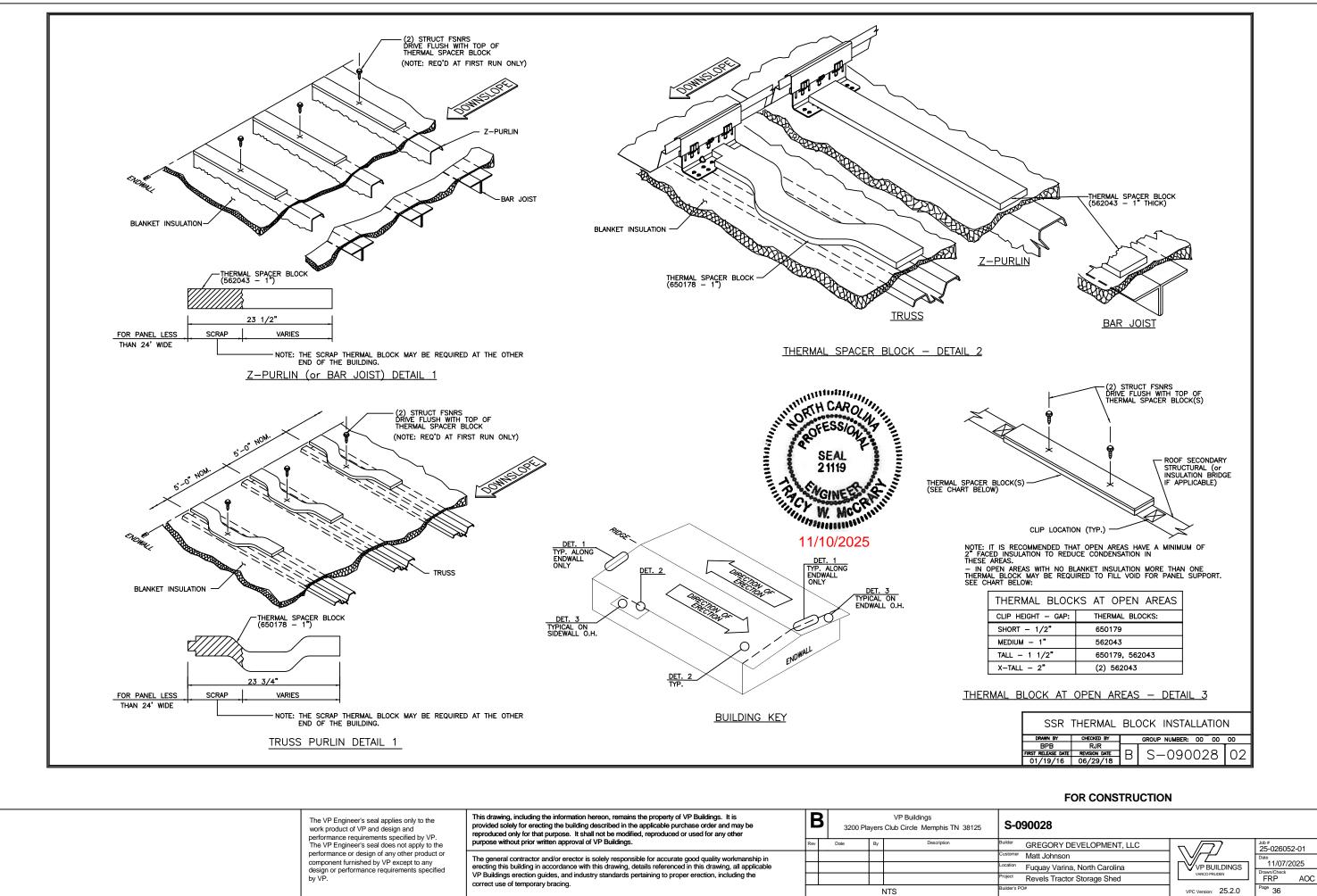
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