### 09 January 2025

Addendum 2

NCSPA Shipping and Receiving Morehead City, NC NCSPA #10665 SCO #24-28316-01A

The following addendum shall supersede previous information and does hereby become part of the contract documents.

- Contractor to provide Termite Control. See attached specification 02282.
- MC cable is **NOT** allowed for this project.
- Clarification: All exposed wood treated posts and railings to be unpainted.
- See <u>attached</u> revised site plans (Sheet 2 Site Plan and Sheet 3 Grading and Drainage Plan):
  - ADA signage detail added to sheet 2 site plan.
  - Disregard relocation of existing building shown on Sheet 1 Existing Conditions. See also previous Addendum 1.
  - The Contractor shall be responsible for boring the new water line under the existing road. See utility notes on Sheet 2, Site Plan.
  - The Contractor shall be responsible for any/all Tap and Impact fees from the Town of Morehead City.
  - Sheet 2 Site Plan: The <u>Alternate</u> Pervious Parking Detail has been removed. Use Pervious Parking Detail.
  - Sheet 2 Site Plan: See Notes for Clarification of all proposed parking areas and drive aisles to be pervious concrete. (Forklift drive aisles to be conventional concrete.)
- Clarification, 07610: Standing seam roof panels to be 18" maximum width. Prefinished color to be selected from manufacturer standard color chart. All metal flashings to be prefinished to match roof
- Clarification: All lap siding, soffits and trim to be painted.
- See <u>attached</u> structural drawings.
  - SCO ID# added to all pages.
  - S1.1-S1.2, Special Inspection Removed
  - S1.1, Response modification factor and seismic base shears updated in structural notes.
  - S4.1, details 1/S4.1 and 2/S4.1 updated to FFE of 9.0.

- E.1: General notes, note 2 to read all service, feeder, and branch circuit conductors to be copper.
- E.3: New electrical panel to be relocated to opposite wall.
- E.4: Riser Wiring Schedule, Note 3:
  - Add interconnect all grounding points as required per NEC 250.50
- Windows W-1, W-2, W-3, W-4 (exterior)-single sliding, to be impact resistant frames and glazing similar to Kawneer 8400TL Thermal Windows, or approved equal.
  W-4 inside Reception 100 can be similar to a drive thru service window such as Ready Access or Quick Serve or approved equal.

## End of Addendum 2

### SECTION 02282 - TERMITE CONTROL

### PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General Conditions, Amendments to General Conditions, Supplementary Conditions and Sections in Division 1 of the Specifications apply to work of this Section.

#### 1.2 DESCRIPTION

- A. Work included but not limited to:
  - 1. Furnish and install a complete "preconstruction" soils treatment under and adjacent to building to provide uniform toxic barrier in all routes of termite entry.

### 1.3 PROTECTION

A. Allow no disturbance of treated soil between application of poison and pouring of concrete, including protection against rain or snow.

#### 1.4 GUARANTEE

A. Upon completion of soil treatment and as a condition of its final acceptance, furnish Owner written guarantee against subterranean termite infestation for a period of at least five years from acceptance date of project. Treat evidence of infestation within guarantee period at no cost to Owner.

#### PART 2 - PRODUCTS

- 2.1 SOIL TREATMENT SOLUTION
  - A. Use only termiticides, which bear a Federal registration number of the U.S. Environmental Protection Agency.
  - B. Soil Treatment Solution: Use an emulsible concentrate termiticide for dilution with water, specially formulated to prevent infestation by termites. Fuel oil will not be permitted as a dilutent.

#### PART 3 - EXECUTION

3.1 Application shall be in strict accordance with manufacturer's label recommendations and as permitted by the Environmental Protection Agency and N.C. Department of Agriculture, Structural Pest Control Division.

END OF SECTION 02282





	THE "TRUCK LANES" SHOWN ON THE PLAN ARE AND WERE REFERENCED FROM AN AERIAL. THERE ARE 3 LANES APPROXIMATELY 12' IN WIL THE PROPOSED BUILDING IS 1,815 SF WITH 330 OF THAT BEING A COVERED PORCH AREA. ALL PROPOSED PARKING AREAS AND DRIVE AS PERVIOUS CONCRETE OR CONVENTIONAL CON THE BUILDING AND PARKING ADDITION DISTURE 8,767 SF OF EX. GRASSED AREA. N.C. STATE PROPERTY MUST BE LOCATED 2.0 F EFFECTIVE FLOOD ZONE. SITE IS LOCATED IN AE 6 FLOOD ZONE. AREAS WHERE PROPOSED PERVIOUS CONCRE ASPHALT AREAS SHALL TIE TO THE ELEVATION ASPHALT. ALL DISTURBED AREAS SHALL BE FINE GRADED PROJECT COMPLETION.	NOT SURVEYED OTH. SF ILES ARE TO BE CRETE. 3S APPROXIMATELY T. ABOVE THE TE MEETS EXISTING OF THE EXISITNG OF THE EXISITNG
DAD		
4.1-		
0.E.	0, E.,	
×s.		
TIE TO EX. P		
8,		
-50		
		¢.
VT		
	BEFC NC	ORE YOU DIG! ONE CALL OLL FREF)
		800 632 4040
		-000-032-4949) S THE LAW! 
	REVISIONS:No.BYDA*1HPD10/16	TE DESCRIPTION
	2 HPD 1/7	25 PER NC DOA
	GRADING AND DRAINAGE PLAN	
	SHIPPING AND RECEI	VING
	MOREHEAD TWSP, CARTERET COUNTY, NORTH CA CLIENT: NORTH CAROLINA PORTS	ROLINA SURVEYED: EGC
	ADDRESS: 113 Arendell St, #208 Morehead City, NC 28557 PHONE: (252) 808-4235	DRAWN: HPD
CRESSIC	THE CULLIPHER GROUP. P.A.	APPROVED:
SEAL 13343	ENGINEERING & SURVEYING SERVICES 151A HIGHWAY 24 MOREHEAD CITY, N.C. 28557	RDC DATE:
E BY WGINEER	RONALD D. CULLIPHER, P.E.	7/9/2024 SCALE: 1" = 10'

## NOTES

### GENERAL NOTES:

1 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL MECHANICAL ELECTRICAL PLUMBING AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL

2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD AND WITH ALL OTHER DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING (AND ACCOMPANYING FOOTINGS), GUYS OR TIEDOWNS.

4. ADDITIONAL OBSERVATIONS AS A RESULT OF REJECTION OF WORK COMPLETED AND/OR ADDITIONAL OBSERVATIONS DUE TO THE DEFICIENCIES IN WORK OBSERVED WILL BE AT THE EXPENSE OF THE CONTRACTOR.

5. ALL STRUCTURAL SHOP DRAWINGS TO BE REVIEWED BY JOB SUPERINTENDENT IN ADDITION TO ALL PERSONNEL DEEMED NECESSARY BY CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER FOR APPROVAL

6. ALL SHOP DRAWING RESUBMITTALS SHALL INCLUDE A WRITTEN DETAILED LIST OF LOCATIONS AND DESCRIPTIONS OF ALL CHANGES MADE FROM PREVIOUS SUBMITTAL. LIST SHALL BE SPECIFIC AND GENERAL NOTES SUCH AS 'DIMENSIONS CORRECTED' ARE NOT ACCEPTABLE.

## DESIGN CODES:

2018 NORTH CAROLINA STATE BUILDING CODE.

ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN. 2015 NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION

## DESIGN LOADS:

THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED WITH THE FOLLOWING SUPERIMPOSED LOADINGS: ROOF:

GROUND SNOW LOAD, DESIGN ROOF SNOW LOAD, SNOW EXPOSURE FACTOR, SNOW LOAD IMPORTANCE FACTOR, THERMAL FACTOR, ROOF LIVE LOAD	Pg = Pf = Ce = Is = Ct = 20 psf	10 psf 10 psf 0.9 1.0 1.2
DESIGN LIVE LOADS: FLOOR	100 psf	
WIND: BASIC WIND SPEED (3 SEC GUST) EXPOSURE CATEGORY RISK CATEGORY WIND BASE SHEARS, COMPONENT & CLADDING: ALL BUILDING COMPONENTS AND CLADDING ENGINEERED BY TH ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR THE NORTH CAROLINA STATE BUILDING CODE FOR THE BASIC DE FACTOR AND EXPOSURE LISTED ABOVE.	144 mph D II Vx = Vy = E COMPO WIND LOA ESIGN WIN	9.6k 10.8k NENT MANUFACTURER ADS DETERMINED PER ID VELOCITY, IMPORTANCE
SEISMIC: IMPORTANCE FACTOR, USE GROUP MAPPED SPECTRAL RESPONSE ACCELERATIONS,	le = Ss = S1 =	1.0 I 0.119 0.06

SPECTRAL RESPONSE COEFF.,	S1 = Sds = Sd1 =	0.06 0.127 0.096
ORDINARY WOOD SHEATHED SHEAR WALLS		
DESIGN BASE SHEARS,	Vx = Vy =	1.86k 1.92k
SEISMIC RESPONSE COEFFICIENT	Cs =	N/A
RESPONSE MODIFICATION FACTOR	R =	6
ANALYSIS PROCEDURE USED:	EQUIV. L	AL FORCE
	В	
SHE CLASSIFICATION	U	

### FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 psf. ON EXISTING SOILS. BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION. A CERTIFIED TESTING LABORATORY, WHOSE REPOR SHALL INCLUDE ANALYSIS AND RECOMMENDATIONS FOR SITE PREPARATION IN ORDER TO BEAR THE FOUNDATION LOADS. ABOVE REPORT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW BEFORE FOUNDATION CONSTRUCTION BEGINS

## PLUMBING SLEEVES:

MINIMUM SLEEVE SPACING SHALL BE TWO DIAMETERS CENTER TO CENTER TO THE LARGER SLEEVE OR 6" CLEAR BETWEEN SLEEVES, WHICHEVER IS GREATER. PRIOR TO CONSTRUCTION SLEEVE LOCATIONS AND SIZES SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

## CHEMICAL ANCHORS:

SHALL BE A POLYMER INJECTION SYSTEM SUCH AS RAMSET "EPCON", MOLLY "PARAMOUNT HVC". SIKA "SIKADUR INJECTION SEL", "HILTI-HIGH STRENGTH EPOXY", OR APPROVED EQUAL, INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE.

## ANCHOR BOLTS:

SHALL BE A36 THREADED ROD. PROVIDE HOT DIP GALVANIZE FINISH ON ALL ANCHOR BOLTS PERMANENTLY EXPOSED TO EXTERIOR

CONCRETE TESTING:

1 CONCRETE TESTING SHALL BE PAID FOR BY THE OWNER TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST-IN-PLACE CONCRETE:

A) ASTM C143 - "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE." B) ASTM C39 - "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION

THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS: 1 AT 7 DAYS

## 2 AT 28 DAYS

PROVIDE ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(S) MAY BE DISCARDED.

PENETRATIONS: NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBERS OTHER THAN THOSE LOCATED ON THESE DRAWINGS WITHOUT PREVIOUS APPROVAL OF THE

# CONCRETE MIX DESIGN:

ENGINEER.

1. SHALL BE MIX DESIGNED BY A RECOGNIZED TESTING LABORATORY TO ACHIEVE A STRENGTH AT 28 DAYS AS LISTED BELOW WITH A PLASTIC AND

WORKABLE MIX:	
3,000 psi - 3,000 psi - 4,000 psi -	FOUNDATION WALLS AND FOOTINGS INTERIOR SLABS-ON-GRADE ALL OTHER CONCRETE
2. SUBMIT PROPOSED	MIX DESIGN WITH RECENT FIELD CYLINDER OR LAE

TESTS FOR REVIEW PRIOR TO USE. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, RANSPORTING, ETC. CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS. IF FOR ANY REASON THERE IS A LONGER DELAY THAN STATED ABOVE. THE CONCRETE SHALL BE DISCARDED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE WITH THE ABOVE. ALL SLABS SHALL BE CURED USING CURING COMPOUND MEETING ASTM STANDARD C309 TYPE 1 AND SHALL HAVE A FUGITIVE DYE. THE COMPOUND SHALL BE PLACED AS SOON AS THE FINISHING IS COMPLETED OR AS SOON AS THE WATER HAS LEFT THE UNFINISHED CONCRETE. ALL SCUFFED OR BROKEN AREAS IN THE CURING MEMBRANE SHALL BE RECOATED DAILY. CALCIUM CHLORIDES SHALL NOT BE UTILIZED; OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.

3. CONCRETE SHALL UTILIZE TYPE I/II CEMENT UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER OR GEOTECHNICAL REPORT. 4. THE CONCRETE STRENGTHS SHOWN IN THE SECTION ABOVE AND IN THE

SPECIFICATIONS ARE MINIMUM COMPRESSIVE STRENGTHS. THE ENGINEER SHALL DETERMINE IF THE CONCRETE IS ACCEPTABLE. OR TO BE REMOVED. OR TO RECEIVE SPECIAL CURING IF THE COMPRESSIVE STRENGTHS ARE LESS THAN SPECIFIED.

5. ALL CONCRETE EXPOSED TO WEATHER OR EARTH SHALL BE AIR ENTRAINED TO 5% TO 7%.

6. WATER REDUCING AGENTS MAY BE USED IN THE CONCRETE MIX. PLASTICIZERS AND SUPER-PLASTICIZERS MAY BE USED ONLY WHEN WRITTEN PERMISSION OF THE ENGINEER IS GIVEN.

7. NO SALTS OF ANY KIND MAY BE USED IN CONCRETE BEFORE OBTAINING THE ENGINEER'S WRITTEN PERMISSION FOR THEIR USE.

8. CONCRETE FOR TROWEL-FINISHED INTERIOR CONCRETE FLOORS SHALL NOT INCLUDE AN AIR-ENTRAINING ADMIXTURE; THE MAXIMUM AIR CONTENT IN THESE SLABS SHALL NOT EXCEED 3%.

CONCRETE AND REINFORCING PLACEMENT:

1. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 301 AND ACI 117 EXCEPT AS MODIFIED BELOW: ACI 117 ITEM 4.3.1.1

ELEVATIONS OF SLABS-ON-GRADE TOP OF SLAB ELEVATION SHALL BE WITHIN A 3/8" ENVELOPE EITHER SIDE OF THE THEORETICAL DESIGN SURFACE. ACI 117 ITEM 4 5 7

FLOOR FINISH TOLERANCES AS MEASURED BY PLACING A FREESTANDING (UNLEVELED) 10 FT. STRAIGHTEDGE ANYWHERE ON THE SLAB AND ALLOWING IT TO REST UPON TWO HIGH SPOTS WITHIN 28 DAYS AFTER SLAB CONCRETE PLACEMENT. THE GAP AT ANY POINT BETWEEN THE STRAIGHTEDGE AND THE FLOOR SHALL NOT EXCEED 1/4".

2 ALL REINFORCING STEEL TO BE ASTM A615 GRADE 60 (#4 AND LARGER) EXCEPT WHERE NOTED OTHERWISE. REINFORCING SHALL NOT BE WELDED

3. WELDED WIRE FABRIC TO CONFORM TO ASTM A185 AND SHALL BE FREE FROM OIL, SCALE AND RUST. PLACE WWF IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND THE SPECIFICATIONS. MINIMUM LAPS SHALL BE ONE SPACE PLUS 2".

4. ALL REINFORCING STEEL BARS TO BE DETAILED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUALS

5. LAP ALL REINFORCING SPLICES IN CONCRETE A MINIMUM OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER, UNLESS NOTE OTHERWISE ON DRAWINGS (CLASS B SPLICE)

6 PROVIDE CORNER BARS OF SAME BAR DIAMETER AS SPECIFIED FOR THE WALL, BEAM OR FOOTING. PROVIDE MINIMUM OF 40 BAR DIAMETER LAP FOR ALL CORNER BARS, UNLESS NOTED OTHERWISE

7. PROVIDE FOUNDATION DOWELS AS SHOWN. MINIMUM SIZE DOWELS TO BE # 4, UNLESS OTHERWISE NOTED. ALL VERTICAL REINFORCING STEEL IN COLUMNS AND PIERS, OR VERTICAL REINFORCING IN WALLS, SHALL BE DOWELED INTO THE FOOTINGS WITH SAME SIZE AND QUANTITY DOWEL AS THE VERTICAL REINFORCING.

8. WHERE SHOWN ON THE DRAWINGS, PROVIDE WELD PLATES, WELDMENTS, OR CONCRETE INSERTS FOR FASTENING AND SECURING OTHER COMPONENTS CONCRETE INSERTS SHALL BE FURNISHED BY THE CONTRACTOR REQUIRING THEM AND INSTALLED BY THE CONTRACTOR CASTING THE CONCRETE AROUND THEM. CLIP ANGLES SHALL BE FURNISHED BY THE CONTRACTOR REQUIRING

9. REINFORCING STEEL SHALL RECEIVE CONCRETE COVER AS FOLLOWS: DESCRIPTION CAST AGAINST AND PERMANENTLY MINIMUM COVER EXPOSED TO EARTH

EXPOSED TO EARTH OR WEATHER #6 THROUGH #18 BARS #5 BARS OR SMALLER	2" 1 1/2"
NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH THE GROUND, SLABS AND WALLS #11 BARS OR SMALLER	3/4"
#14 AND #18	1 1/2"
BEAMS AND COLUMNS	1 1/2"

10. PROVIDE TWO (2) #5'S, ONE AT EACH FACE, UNLESS NOTED OTHERWISE, AROUND ALL OPENINGS GREATER THAN 12"x12" IN CAST-IN-PLACE CONCRETE. EXTEND REINFORCING 2'-0" BEYOND OPENING IN BOTH DIRECTIONS. CONTACT ENGINEER FOR ALL OPENINGS GREATER THAN 12"x12" FOR DESIGN

11. COLD WEATHER AND HOT WEATHER PROVISIONS OF ACI 306 AND 305 (CURRENT EDITIONS), RESPECTIVELY, SHALL BE MAINTAINED

12. CONTRACTOR TO FURNISH AND INSTALL 500 LINEAR FT. EACH OF ADDITIONAL #4 & #5 REINFORCING STEEL TO BE USED AT ENGINEER'S DISCRETION.

FORMWORK AND SHORING:

NO STRUCTURAL CONCRETE SHALL BE STRIPPED UNTIL IT HAS REACHED AT LEAST TWO-THIRDS OF THE 28 DAY DESIGN STRENGTH. DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET THE REQUIREMENTS SET FORTH IN ACI STANDARDS 301 AND 347.

## MASONRY PRISM TESTING:

#### 1 PRIOR TO BEGINNING WORK THE CONTRACTOR SHALL CONSTRUCT THREE (3) TEST PRISMS FOR TESTING. THEY SHALL BE CONSTRUCTED OF TWO (2) 8"x8"x16" PRISMS FOR TESTING. ONE (1) ON TOP OF THE OTHER. JOINED WITH TYPE "S" MORTAR, AND FILLED WITH 3,000 psi CONCRETE GROUT. PRISMS SHALL BE CURED FOR 28 DAYS. NO REINFORCING SHALL BE USED IN THE CONSTRUCTION OF THE

PRISMS SHALL BE MADE OF THE SAME MATERIALS. UNDER THE SAME CONDITION AND INSOFAR AS POSSIBLE. WITH THE SAME BONDING ARRANGEMENTS AS FOR THE STRUCTURE. THE MOISTURE CONTENT OF THE UNITS AT THE TIME OF LAYING. CONSISTENCY OF MORTAR, AND WORKMANSHIP SHALL BE THE SAME AS WILL BE USED IN THE STRUCTURE. THE VALUE OF I'm SHALL BE THE AVERAGE OF ALL SPECIMENS TESTED BUT SHALL BE NOT MORE THAN 125 PERCENT OF THE MINIMUM VALUE DETERMINED BY THE TEST, WHICHEVER IS LESS.

3. TESTING SHALL INCLUDE TESTS IN ADVANCE OF BEGINNING OPERATIONS AS DESCRIBED ABOVE, AND AT LEAST ONE (1) FIELD TEST DURING CONSTRUCTION FOR FACH 5 000 SOLIARE FEET OF WALL BUT NOT LESS THAN ONE (1) FIELD TEST MINIMUM IF TOTAL SQUARE FEET OF WALL FOR ENTIRE PROJECT IS LESS THAN 5.000 SF. ONLY WALLS INDICATED ON STRUCTURAL PLANS NEED BE TESTED.

4. THE COMPRESSIVE STRENGTH, fm, SHALL BE COMPUTED BY DIVIDING THE ULTIMATE LOAD BY THE NET AREA OF THE MASONRY USED IN THE CONSTRUCTION OF THE PRISMS

5. TEST PRISMS SHALL BE STORED FOR SEVEN DAYS IN AIR. AT A TEMPERATURE OF

70 DEGREES. PLUS OR MINUS 5 DEGREES. IN A RELATIVE HUMIDITY EXCEEDING 90% AND THEN IN AIR AT A TEMPERATURE OF 70 DEGREES. PLUS OR MINUM 5 DEGREES. UNTIL TESTED. THOSE CONSTRUCTED IN THE FIELD SHALL BE STORED UNDISTURBED FOR FROM 48 TO 96 HOURS UNDER WET MATERIAL TO SIMULATE 90% HUMIDITY, THEN TRANSPORTED TO LABORATORY FOR CONTINUED CURING AS DESCRIBED ABOVE.

6. NOT LESS THAN THREE (3) PRISM SPECIMENS SHALL BE MADE FOR EACH FIELD TEST TO CONFIRM THAT THE MATERIALS ARE AS ASSUMED IN THE DESIGN. THE STANDARD AGE OF TEST SPECIMENS SHALL BE 28-DAYS. BUT 7-DAY TESTS MAY BE USED. PROVIDED THE RELATION BETWEEN THE 7-DAY AND 28-DAY STRENGTHS OF THE MASONRY IS ESTABLISHED BY ADEQUATE TEST DATA FOR THE MATERIALS

## MASONRY MATERIALS:

1. MASONRY UNITS SHALL MEET ASTM C90 TYPE I, GRADE N, FOR HOLLOW LOAD BEARING TYPE MASONRY WITH A UNIT STRENGTH OF 1,900 psi ON THE NET AREA (fm = 1.500 psi).

2. MORTAR SHALL BE TYPE "M" (BELOW GRADE) OR "S" (ABOVE GRADE) AND SHALL MEET ASTM C270. GROUT SHALL BE 3,000 psi PÉA-GRAVEL CONCRETE AND SHALL MEET ASTM C476. MORTAR MIX DESIGN SHALL BE TESTED PRIOR TO CONSTRUCTION USING MORTAR TEST CUBES, WITH 7-DAY STRENGTH OF LABORATORY MIX EXCEEDING THE 28-DAY SPECIFIED DESIGN STRENGTH. GROUT SHALL BE TESTED PRIOR TO CONSTRUCTED USING PRISMS AS DESCRIBED ABOVE.

MASONRY AND REINFORCED MASONRY PLACEMENT:

1. ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE. MATERIALS TO BE LAID AND MATERIALS TO BE BUILT UPON SHALL BE FREE FROM SNOW AND ICE.

2 PROVIDE HOOKED DOWELS INTO FOOTINGS FOR ALL VERTICAL REINFORCING ABOVE AS SHOWN IN THE DRAWINGS. LAP SPLICES A MINIMUM OF 48 BAR DIAMETERS. AT THE OPTION OF THE CONTRACTOR, DOWELS MAY BE DRILLED AND EPOXIED INTO FOOTING IN LIEU OF HOOKS. EPOXY SHALL BE AS NOTED ON THIS SHEET UNDER 'CHEMICAL ANCHORS,' 6" MIN. EMBEDMENT FOR #5 OR SMALLER DOWELS, 8" MIN. EMBEDMENT FOR #6 DOWELS.

3. PROVIDE DUR-O-WALL (OR EQUAL PER SPECIFICATIONS) LADDER OR TRUSS HORIZONTAL JOINT REINFORCEMENT AT EACH SECOND COURSE IN RUNNING BOND. AND FACH COURSE IN STACKED BOND, UNLESS NOTED OTHERWISE, DISCONTINUE HORIZONTAL JOINT REINFORCEMENT AT CONTROL JOINTS

4. PROVIDE BOND BEAMS REINFORCED WITH (2) #5 BARS EVERY 6'-0" OF VERTICAL WALL, AT TOPS OF ALL MASONRY WALLS, AND WHERE SHOWN ON DRAWINGS. A BOND BEAM CORNERS AND TEE JOINTS, PROVIDE BENT BARS TO MATCH QUANTITY AND BAR SIZE IN THE BOND BEAM. LAPS IN BOND BEAMS SHALL BE 48 BAR DIAMETERS OR A MINIMUM OF 2'-0", WHICHEVER IS GREATER.

5 WHERE SHOWN ON THE DRAWINGS, CORES IN CONCRETE BLOCK UNITS SHALL BE FILLED WITH 3.000 psi CONCRETE GROUT FROM TOP OF FOOTING TO BOTTOM OF BEARING, OR TO THE TOP OF WALL, DEPENDING ON THE CONDITION. INSPECTION OF **OPENING AT BOTTOM IS REQURIED** 

6. WHERE REINFORCING STEEL IS CALLED FOR IN FILLED CORES, IT SHALL EXTEND FROM TOP OF FOOTING TO BOTTOM OF BEARING, OR TOP OF WALL, DEPENDING ON CONDITION 7. WHERE REINFORCING STEEL IS INTERRUPTED BY AN OPENING IN THE WALL, THE

QUANTITY OF BARS INTERRUPTED ARE TO BE MOVED TO EACH SIDE OF THE OPENING, HALF OF REINFORCING TO ONE SIDE AND REMAINING HALF TO THE OTHER SIDE. REINFORCING SHALL BE FROM TOP OF FOOTING TO TOP OF WALL. PROVIDE A MINIMUM OF (2) #5 VERTICAL REINFORCING BARS AT EACH JAMB. SEE PLAN NOTES AND/OR DETAILS FOR VERTICAL REINFORCING SPACING.

8. WHERE VERTICAL REINFORCING STEEL IS SPLICED IN MASONRY, PROVIDE A MINIMUM OF 48 BAR DIAMETERS, LAP SPLICE, UNLESS NOTED OTHERWISE

9. THE MINIMUM DISTANCE BETWEEN PARALLEL BARS, EXCEPT IN COLUMNS, SHALL BE NOT LESS THAN THE DIAMETER OF THE BAR EXCEPT THAT LAPPED SPLICES MAY BE WIRED TOGETHER. THE CENTER TO CENTER SPACING OF BARS WITHIN A COLUMN SHALL BE NOT LESS THAN 2 AND ONE-HALF TIMES THE BAR DIAMETER.

10 ALL BARS SHALL BE COMPLETELY EMBEDDED IN MORTAR OR CONCRETE REINFORCEMENT EMBEDDED IN HORIZONTAL MORTAR JOINTS SHALL HAVE NOT LESS THAN 5/8" MORTAR COVERAGE FROM THE EXPOSED FACE. ALL OTHER REINFORCING SHALL HAVE A MINIMUM COVERAGE OF ONE BAR DIAMETER OVER ALL BARS, BUT NOT LESS THAN 3/4", EXCEPT WHERE EXPOSED TO WEATHER OR SOIL IN WHICH CASE THE MINIMUM COVERAGE SHALL BE 2".

11. WHERE REINFORCING IS SHOWN TO BE LOCATED ALONG TWO FACES OF A CONCRETE BLOCK WALL, THE CONTRACTOR SHALL BREAK OUT THE SHELL OF THE LOWEST CONCRETE BLOCK TO GAIN ACCESS TO THE REINFORCING STEEL. THE REINFORCED STEEL SHALL THEN BE WIRED INTO ITS CORRECT POSITION, AND THE ACCESS HOLE COVERED. THE CONCRETE GROUT FILL SHALL BE PUDDLED OR VIBRATED TO ASSURE COMPLETE FILLING OF THE CORE

12. REINFORCED MASONRY PIERS AND COLUMNS SHALL HAVE THE REINFORCING STEEL ACCURATELY LOCATED BY WIRING THE TOP AND BOTTOM OF ALL VERTICAL STEEL INTO ITS CORRECT POSITION. PROVIDE AN ACCESS HOLE AT THE BOTTOM OF ALL COLUMNS OR PIERS.

13. ALL REINFORCED HOLLOW UNIT MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. WALLS AND CROSS WEBS FORMING SUCH CELLS TO BE FILLED SHALL BE FULLBEDDED IN MORTAR TO PREVENT LEAKAGE OF CONCRETE GROUT. ALL HEAD (OR END) JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES OR BY EQUIVALENT MECHNICAL ANCHORAGE.

A) VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2"x3".

B) CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS TO BE FILLED AT EACH POUR OF CONCRETE WHERE SUCH CONCRETE POUR IS IN EXCESS OF 6' IN HEIGHT, ANY OVERHANGING MORTAR, OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED AND/OR CLEANED AT TIME OF INSPECTION AND PRIOR TO CORE FILLING. INSPECT AND SEAL ALL OPENINGS BEFORE CONCRETING.

C) VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 DIAMETERS OF THE REINFORCEMENT. D) ALL CELLS CONTAINING REINFORCEMENT SHALL BE FILLED SOLIDLY WITH CONCRETE. CONCRETE SHALL BE POURED IN LIFTS OF 8' MAXIMUM HEIGHT. ALI

CONCRETE SHALL BE CONSOLIDATED AT THE TIME OF POURING BY PUDDLING FOR LIETS OF 4' OR LESS, OR BY VIBRATING FOR LIETS GREATER THAN 4' CONCRETE SHOULD LATER BE CONSOLIDATED AGAIN BY PUDDLING, BEFORE PLASTICITY IS 1.05 E) WHEN TOTAL CONCRETE POUR EXCEEDS 8' IN HEIGHT, THE CONCRETE SHALL BE

PLACED IN 4' MAXIMUM LIFTS. MINIMUM CELL DIMENSION SHALL BE 3". F) WHEN CONCRETING IS STOPPED FOR ONE HOUR OR LONGER. HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF CONCRETE 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.

14. PROVIDE A MINIMUM OF 8" BEARING FOR ALL MASONRY LINTELS. 15. WHERE LINTEL BLOCKS ARE USED IN LIEU OF HOLLOW CONCRETE BLOCKS, THE REINFORCING STEEL SHALL BE ANCHORED TO THE LOWER STEEL OR DOWELS AND

THE LINTEL BLOCKS LAID AROUND THE STEEL. THE CONCRETE FILL SHALL BE INSTALLED IN LIFTS NOT TO EXCEED 2' IN HEIGHT. THE REINFORCING STEEL SHALL BE MAINTAINED IN THE SAME POSITION AS THE DOWELS. STOP THE POUR OF THE CONCRETE 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT

16. SPECIFICATION REQUIREMENTS FOR COLD WEATHER AND HOT WEATHER MASONRY CONSTRUCTION SHALL BE MAINTAINED.

WOOD:

STRUCTURAL 2x WOOD COMPONENTS HAVE BEEN DESIGNED AS SOUTHERN YFI I OW PINE (SYP) OR HEM-FIR (HF) NO. 2 OR BETTER AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES AND PROPERTIES: MODULAS OF ELASTICITY (E) 1.300.000 PSI

STRUCTURAL ABBREVIATIONS:

ANCHOR BOLTS

ABOVE FINISHED FLOOR

BOTTOM CHORD EXTENSION

BELOW FINISHED FLOOR

CONCRETE MASONRY UNIT

COMPLETE PENETRATION

DEFORMED BAR ANCHOR

NAIL PENNY WEIGHT

ADJACENT

ALTERNATE

ARCHITECT

BOTTOM

BUILDING

BEARING

CANTILEVER

CENTERI INF

CONTROL JOINT

BEAM

CI FAR

COLUMN

DOUBLE

DEGREE

DIAMETER

DIMENSION

DRAWINGS

EACH FACE

ELEVATION

ENGINEER

EQUIPMENT

EACH WAY

EXPANSION

FLOOR DRAIN

FOUNDATION

FACE OF WALL

FIELD VERIFY

GALVANIZED

HORIZONTAL

INSIDE FACE

KIPS = 1000 I BS

KNEE BRACE

POUNDS

LOCATIONS

LONG WAY

MASONRY

MAXIMUM

MIDDI F

MINIMUM

NUMBER

NOT TO SCALE

OUTSIDE FACE

**OPPOSITE HAND** 

PRE-ENGINEERED

ON CENTER

OPENING

PRECAST

PI ATF

NOMINAI

MECHANICAL

MANUFACTURER

MISCELLANEOUS

MASONRY PILASTER

NORMAL WEIGHT CONCRETE

POUNDS PER LINEAR FOOT

POUNDS PER SQUARE INCH

PARRALEL STRAND LUMBER

PRESSURE TREATED

SELF DRILLING SCREW

REFERENCE

REQUIRED

SLIP CRITICAL

SLAB ON GRADE

SPECIAL JOIST

SPECIFICATION

STANDARD

SHORT WAY

SYMMETRICAL

TOP OF STEEL

TOP OF WALL

TOP OF xx

THICKNESS

TIE JOIST

VERTICAL VERIFY IN FIELD

TYPICAL

TOP AND BOTTOM

TOP OF CONCRETE

TOP CHORD EXTENSION

UNLESS NOTED OTHERWISE

WELDED WIRE FABRIC

WELDED WIRE MESH

SCHEDULE

SECTION

SIMILAR

SQUARE

STEEL

SI AB

REVISION

REINFORCEMENT

POUNDS PER SQUARE FOO

POWDER ACTUATED FASTENER

INTERIOR

GRADE BEAM

HIGH STRENGTH EPOXY

KIPS PER SQUARE INCH

KIPS PER LINEAR FOOT

LONG LEG HORIZONTAL

LAMINATED STRAND LUMBER

LAMINATED VENEER LUMBER

LIGHT WEIGHT CONCRETE

MOMENT CONNECTION

LONG LEG VERTICAL

HOLLOW STRUCTURAL SECTION

FOOTING

GAUGE

HIGH

JOINT

FOOTING STEP

FACE OF MASONRY

EXTERIOR

FINISH

FLOOR

EXISTING

FOUAL

EDGE OF DECK

EDGE OF STEEL

EXPANSION JOINT

EMBEDDED / EMBEDMENT

DIAGONAL

DETAIL

DECK

DOWN

DOWEL

EACH

CONCRETE

CONSTRUCTION

CONTINUOUS

BOTTOM OF xx

BOTTOM OF STEEL

ABBREV DEFINITION

AD.

ALT

BC>

BOxx

BLDG

BOS

BRG

CML

CONS

CONT

DBA

DEG

DIM

DWGS

DWL

EL, ELEV

EMBED

ENGR

EOD

EOS

EQUIF

EXIST

EQ

EW

EXF

EXT

FIN

FLR

FD

FND FOM

FOW

FTG

GALV

HORZ

HSS

KB

KSI

KLF

LBS

LLH

LLV

LO LOC

LSL

LVL

LW

LWC

MAX

MECH

MFR

MID

MIN

MISC

MTL

No / #

NOM

NTS

NWC

OPNG

P/F

PLF

PSF

PSI

REINE

REQD REV

SCHD

SDS SECT SHT

SIM

SOG

SPEC

SQ STE

STL

SYM

тсх

TOC TOS

THM

UNO

VERT

WWM

VIF WWF

TOW

T.O.xx

MAS

GB

FS

FA

DET,DTL

BENDING (Fb) 850 PSI 75 PSI WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PROTECTED OR

PRESSURE TREATED IN ACCORDANCE WITH AITC-109. MEMBER SIZES SHOWN ARE NOMINAL UNLESS NOTED OTHERWISE.

BOLTS IN WOOD ARE MACHINE BOLTS, UNLESS OTHERWISE NOTED. MACHINE BOLTS SHALL HAVE A SHANK DIAMETER WITHIN 1/64" OF THAT SPECIFIED. BOLTS ARE ASTM 307 STEEL. BOLT HOLES IN WOOD SHALL BE 1/32" OVERSIZE. WHERE STEEL IS CONNECTED TO WOOD, HOLES IN STEEL SHALL BE 1/16" OVERSIZE. PROVIDE STANDARD CUT WASHERS UNDER HEAD AND NUT WHERE BEARING IS AGAINST WOOD. WHERE STEEL SIDE PLATES ARE USED FOR CONNECTION, THE PLATE SHALL BE USED AS A TEMPLATE

ALL WOOD ELEMENTS SHALL BE ATTACHED PER THE FASTENING SCHEDULE OF THE 2018 NCSBC (TABLE 2304.9.1) UNLESS OTHERWISE NOTED. 6. SEE ARCHITECTURAL DRAWINGS FOR WEATHER PROTECTION OF ALL EXPOSED WOOD MEMBERS.

WOOD SHEATHING:

A)

SHEAR (Fv)

PLYWOOD ROOF, FLOOR AND WALL SHEATHING ARE DESIGNED AS APHRAGMS AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 23 OF THE 2018 NCSBC

SHEATHING SHALL BE FASTENED IN ACCORDANCE WITH PLANS SHOWN SPECIAL NAILING REQUIREMENTS AND WITH THE APPROPRIATE SCHEDULE IN CHAPTER 23, UNLESS NOTED OTHERWISE

IN GENERAL, SHEETS SHALL BE 4'-0"x8'-0" AND SHALL BE LAID WITH FACE PLIES ACROSS FRAMING MEMBERS AND WITH END JOINTS STAGGERED 4'-0". NO PANEL SHALL BE USED WHICH IS LESS THAN 24" IN WIDTH ON FLOORS AND ROOFS. SHEATHING SHALL BE CONTINUOUS ACROSS 2 SPANS, MINIMUM.

PRE-ENGINEERED WOOD ROOF TRUSSES:

1. ENGINEERED WOOD TRUSS SYSTEMS SHALL BE DESIGNED BY SUPPLIER TO THE CONFIGURATION AND LOAD-CARRYING CAPACITY SHOWN ON THE DRAWINGS AND SPECIFICATIONS. TRUSSES SHALL BE DESIGNED TO SUSTAIN SELF WEIGHT OF THE TRUSSES AND UNIFORM LOADS AS INDICATED ON THIS SHEET AND AS FOLLOWS:

> DEAD LOAD = 10 psf LIVE LOAD = 20 psf SNOW LOAD = 10 ps WIND LOAD = SEE DESIGN LOADS

DEAD LOAD = 5 psf BOTTOM CHORD: B) LIVE LOAD = 10 psf

TOP CHORD:

2. WIND LOAD: WHEN CALCULATING NET UPLIFT REACTIONS, USE MAXIMUM RESISTING DEAD LOAD EQUAL TO 6 PSF ON THE TOP CHORD AND 0 PSF ON THE BOTTOM CHORD.

3. ROOF TRUSSES SHALL BE DESIGNED FOR A MAXIMUM VERTICAL DEFLECTION OF L/360 LIVE LOAD AND L/240 TOTAL LOAD.

4. ALTERNATE TRUSS LAYOUTS ARE ACCEPTABLE ONLY AS A CHANGE ORDER WHICH WILL INCLUDE ENGINEERING CHARGES TO THE CONTRACTOR FOR REDESIGN FOR REVIEW PRIOR TO FABRICATION.

5. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW AND SPECIFY ALL CONNECTOR TYPES UTILIZED WITHIN TRUSSES, AS WELL AS CONNECTORS UTILIZED IN ALL OTHER CONNECTIONS AND ATTACHMENTS BETWEEN TRUSSES OR COMPONENTS SUPPLIED AS PART OF THE ENGINEERED TRUSS SYSTEM. AN ERECTION DRAWING SHALL BE INCLUDED. IDENTIFYING ALL TRUSS SYSTEM COMPONENTS. AS WELL AS ALL PERMANENT BRACING REQUIRED FOR TRUSS DESIGN. SHOP DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEERED REGISTERED IN THE STATE OF THE PROJECT LOCATION.

## WOOD FRAMING CONNECTORS:

BENDING (Fb)

SHEAR (Fv)

CONNECTOR MODEL NUMBERS SHOWN ARE "Strong-Tie" CONNECTORS AS MANUFACTURERED BY "SIMPSON Strong-Tie Co.", 1450 DOOLITTLE DR., PO BOX 1568, SAN LEANDRO, CA 94577. SUBSTITUTIONS ARE ACCEPTABLE ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER.

ALL CONNECTORS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM-A653. CONNECTORS IN CONTACT WITH PRESSURE TREATED MATERIALS SHALL HAVE G-185 COATING. CONNECTORS NOT IN CONTACT WITH TREATED MATERIALS SHALL HAVE STANDARD G-60 COATING

## MANUFACTURED WOOD STRUCTURAL COMPONENTS:

1. MEMBERS DESIGNATED "LVL" SHALL BE LAMINATED VENEER LUMBER AS MANUFACTURED BY BOISE CASCADE CORPORATION (VERSA-LAM), TRUS JOIST CORPORATION (MICRO-LAM), ALPINE ENGINEERED PRODUCTS (AŚI-LVL), MITEK WOOD PRODUCTS (GANG-LAM LVL), OR APPROVED EQUAL, AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES AND PROPERTIES MODULAS OF ELASTICITY (E)

1,900,000 PSI 2.600 PSI 285 PSI

2. MEMBERS DESIGNATED AS "GLU-LAM" SHALL BE STRUCTURAL GLUED LAMINATED TIMBER. MATERIAL, MANUFACTURE AND QUALITY CONTROL SHALL BE IN CONFORMANCE WITH ANSI/AITC-A190.1. "STRUCTURAL GLUED LAMINATED TIMBER " MEMBERS SHALL BE MARKED WITH A QUALITY CONTROL MARKING INDICATING CONFORMANCE WITH AITC-A190.1. ADHESIVE AND LAMINATIONS SHALL MEET THE REQUIREMENTS OF DRY CONDITION OF SERVICE, UNLESS OTHERWISE NOTED. A COAT OF END SEALER SHALL BE APPLIED TO ENDS OF MEMBERS IMMEDIATELY AFTER END MMING. LAMINATING COMBINATIONS SHALL PROVIDE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES AND PROPERTIES:

MODULAS OF ELASTICITY (E) **BENDING** (Fb) SHEAR (Fv) TENSION (Ft) COMP. PERP. (Fc I)

1.800.000 PSI 2.400 PSI 165 PSI 850 PSI 470 PSI





FOR BIDDING ONLY







NOTES:

								S
	CN	U WALL REINFO	DRCING SCHEDUL	E				
		THICKNESS		REMARKS				
D AT ALL CELLS	EXTERIOR WALLS	8" CMU	(1) #5 @ 32" O.C.				$\sim$	
01110	NOTES: 1. ALL MASONRY SH	IALL BE LAID IN RUN	NING BOND UNLESS NO	TED OTHERWISE.				
	2. LAP SPLICES A M	INIMUM OF 48 BAR D	AMETERS.					
	3. PROVIDE DUR-O- REINFORCEMENT COURSE IN STAC HORIZONTAL JOIN	WALL (OR EQUAL) LA AT EACH SECOND ( KED BOND, UNLESS NT REINFORCEMENT	DDER OR TRUSS HORIZ OURSE IN RUNNING BC NOTED OTHERWISE. DI AT CONTROL JOINTS.	CONTAL JOINT OND, AND EACH SCONTINUE				Z
Ι Δ1	4. PROVIDE BOND B WALL, AT TOPS C	EAMS REINFORCED F ALL MASONRY WA	WITH (2) #5 BARS EVER LLS, AND WHERE SHOW	Y 6'-0" OF VERTICAL /N ON DRAWINGS.				
U	BOND BEAM COR	M MAY BE PLACED A NERS AND TEE JOIN AR SIZE IN THE BONI	I TOP OF DOOR OPENIN TS, PROVIDE BENT BAR D BEAM, LAPS IN BOND B	IGS, 8'-0" MAX. AT S TO MATCH BEAMS SHALL BE 48			13200 STRICKLA SUITE 114, B(	ND ROAD OX 332
	BAR DIAMETERS	OR A MINIMUM OF 2'-	0", WHICHEVER IS GREA	ATER.		р. 9	RALEIGH, NC 919.957.5100 - f. 9 www.fdr-eng	27613 919.957.5101
							jfejfar@fdr-en	ig.com
								110.
REINF	ORCING SCH	IEDULE	SCAL	: 2/4" - 1' 0"			CAR SESSI	OLIN NAVE
			SUALE	3/4 – 1-0			4 SEAL 035655	R. C.
						-	GINE	
							MHE	Man
								Www.
							INOFESS/	ON
							P-1418	F. N
							PAOR A	
				/			NEE NEE	iiiiii.
			6X6 P.1	. POST - V		SC	O ID#: 24-28	8316-01A
							DN NG	
			SIMPSON ABA66 BASE w/ (1) SI	Z POST - MPSON			$\geq$	
	Δ		ANCHOR (3" MIN.	EMED)	) I		U U U	NC
· · · · · · · · · · · · · · · · · · ·		F			<u> </u>		R C	<u>ک</u>
· · ·							AND	CI
			<u>د</u>				19	AD
			3" CL	Δ	· · · ·		AIN	Щ.
				• •			ЧIР	RE
	/			3" CLR			A S	M N
	(	8	Scale: 1 1	/2" = 1'-0"			SP,	
							NC	
						Vame		
						roject I		
							S	
							AIL	
							)ET	
							Z	
							TIO	
							DA	
							NU	
						Title	ЕC	
						Sheet		
						DES	GNED BY:	AJI
						DRA	WN BY:	AJI
						APP		HMH
						PRC	IJЕСТ #:  Έ:	23-436
						No.	Revision	Date
							SCO #24-28316-0	1A 09/30/2024
						2 5	SCO #24-28316-0	1A 01/03/2025
						Shee		1
				רטט טעט			33.	.
				FOR BIDD	ING ONLY			



TYP. WALL SECTION 1