

## CONTRACTOR NOTE

## CODES AND STANDARDS

1. WIND LOADS AS PER:
  - A. SECTION 1609 OF THE FLORIDA BUILDING CODE 7TH EDITION (2020) WITH AN ULTIMATE WIND SPEED VULT = 170 MPH (NOMINAL WIND SPEED VASD = 132 MPH), FOR RISK CATEGORY II, EXPOSURE C, AND INTERNAL PRESSURE COEFFICIENT +/- 0.18.
  - B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.
  - C. HIGH VELOCITY HURRICANE ZONE DESIGN REQUIREMENTS PER FBC (2020) SECTION 1616 ARE APPLICABLE AT THIS SITE LOCATION.
2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH:
  - A. FLORIDA BUILDING CODE 7TH EDITION (2020).
  - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 / LATEST EDITION).
  - C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315 / LATEST EDITION).
  - D. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS, AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION. AWS D14 / LATEST EDITION
  - E. SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC ASD / 9TH EDITION OR LRFD 3RD EDITION.
  - F. SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301 / LATEST EDITION
3. ARCHITECTURAL AND MECHANICAL DRAWINGS:

- A. THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY COMPLETE THE PROJECT STRUCTURE. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND COORDINATE THE INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
- B. REFER TO ARCHITECTURAL, MECHANICAL, OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERTS, BOLT SETTINGS, DRAINS, REGLETS, ETC.
- C. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
- D. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- E. ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY ON COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURES ARE COMPLETED AND ALL CONCRETE HAS REACHED ITS DESIGN STRENGTH. THE GENERAL CONTRACTOR SHALL ALSO ENSURE THAT ITS OPERATIONS AND PROCEDURES PROVIDE NO LOADING GREATER THAN THE DESIGN LOADS LISTED ON ANY MEMBER.

4. SECTIONS AND DETAILS:
- ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.
5. MATERIALS AND ASSEMBLY TEST AS FOLLOWS:

- A. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH AN APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS, AND APPROVED PRODUCT CERTIFICATION AGENCY. TESTING LABORATORY, EVALUATION CAPACITY, OR PRODUCT TYPE, PRODUCT APPROVAL NUMBER TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:  
  
ANSI / AAMA / NWWDA 101 / IS - 2-97 OR TAS 202 (HVHZ SHALL COMPLY WITH TAS 202).
- B. SECTIONAL GARAGE DOORS SHALL BE TESTED FOR DETERMINATION OF STRUCTURAL PERFORMANCE UNDER UNIFORM STATIC AIR PRESSURE DIFFERENCE IN ACCORDANCE WITH ANSI / AAMA 108 OR TAS 202 (HVHZ SHALL COMPLY WITH TAS 202).
- C. CUSTOM (ONE OF A KIND) EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED BY AN APPROVED TESTING LABORATORY OR BE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.
- D. WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURE SPECIFIED. SUBSTITUTE ANCHORING SYSTEM USED FOR SUBSTRATES NOT SPECIFIED BY THE PENETRATION MANUFACTURER SHALL PROVIDE EQUAL OR GREATER ANCHORING PERFORMANCE AS DEMONSTRATED BY ACCEPTED ENGINEERING PRACTICE.

SPECIALTY ENGINEERED PRODUCTS

- GENERAL CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF THE ABOVE NOTED SPECIALTY ENGINEERING AT NO COST TO THE OWNER.

## SHORING AND RESHORING

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. SUBMIT SIGNED AND SEALED SHOP DRAWINGS PREPARED BY A DELEGATED SPECIALTY ENGINEER EXPERIENCED IN SUCH WORK AND LICENSED IN THE STATE OF FLORIDA. SUBMIT DRAWINGS TO THE ARCHITECT, ENGINEER, SPECIAL INSPECTOR, AND BUILDING OFFICIAL FOR REVIEW ONLY. SHORING AND RESHORING DESIGN AND CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE ENGINEER IN HIS EMPLOY.
- THE DELEGATED ENGINEER WHO PREPARES THE SHORING AND RESHORING DRAWINGS SHALL INSPECT THE SHORING AND RESHORING AND SHALL PROVIDE A FIELD REPORT OF EACH INSPECTION TO THE CONTRACTOR AND ARCHITECT.

## FOUNDATION

1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT CONFORMANCE WITH THE:
  - A. RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY NVS, REPORT NO. 14695, DATED JUNE 24TH, 2015.
2. BOTTOM OF FOOTINGS ASSUMED TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 2,500 PSF.
3. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A LICENSED SOILS ENGINEER BEFORE COMMENCING WORK, ORDERING MATERIALS, OR MOVING FORWARD IN ANY WAY. APPROVAL, IN WRITING MUST INDICATE THAT THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
4. EXCAVATION AND BACKFILL:
  - A. ALL EXCAVATION SHALL BE KEPT DRY. DE-WATERING WILL BE REQUIRED AND SHALL BE PROVIDED BY THE CONTRACTOR. THE DE-WATERING SHALL BE PROVIDED SO ALL EXCAVATIONS ARE DRY AND THE TESTING AGENCY CAN TAKE THE APPROPRIATE DENSITY TESTS AND ALL OTHER REQUIREMENTS OF THE GEOTECHNICAL REPORT AND PROJECT CONSTRUCTION DOCUMENTS ARE MET. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
  - B. PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES.
5. CENTERLINE OF FOOTINGS: SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS.
6. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IN WRITING BEFORE PROCEEDING WITH ANY WORK.

## CONCRETE

- CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRNGTHS:
- |    |                       |           |
|----|-----------------------|-----------|
| A. | SLAB-ON-GRADE/FOOTING | 6,000 PSI |
| B. | PUSH WALLS            | 4,000 PSI |
- ALL OTHER CONCRETE SHALL BE 4,000 PSI (UNLESS NOTED OTHERWISE).
2. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
- A. A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS NOTED ABOVE.
- B. SLUMPS SHALL BE 3" MINIMUM AND 5" MAXIMUM.
- C. CONCRETE SHALL HAVE 3 +/- 1.5 PERCENT OF AIR ENTRAINMENT.
- D. ALL CONCRETE TO HAVE A MAXIMUM WATER / CEMENT RATIO OF 0.55.
- E. JOBSITE WATER SHALL NOT BE ADDED.
- F. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1. SLAG, ASTM C989 SHALL BE LIMITED TO 50% (BY WEIGHT) OF CEMENTITIOUS MATERIAL AND FLY ASH, ASTM C618, CLASS F, SHALL BE LIMITED TO 25% (BY WEIGHT) OF CEMENTITIOUS MATERIAL.
3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318 / LATEST EDITION), THE ACI DETAILING MANUAL (ACI 315 / 1994 EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301 / LATEST EDITION).
4. SUBMIT FOR REVIEW ALL REINFORCING STEEL SHOP DRAWINGS PRIOR TO ANY FABRICATION.
5. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS.
6. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A 185 UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3'-0" O.C.E.W.
7. REQUIREMENTS:
- A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
- B. WWF SHALL COMPLY WITH ASTM A 185.
- C. PROVIDE 10 MIL VAPOR BARRIO COMPLIANT WITH ASTM E1745 BELOW ALL SLAB ON GRADE.
8. LAP ALL BARS WITH CLASS B TENSION LAP SPLICE UNLESS OTHERWISE NOTED ON DRAWINGS. LAP ALL WWF A MINIMUM OF 12 INCHES (UNLESS OTHERWISE NOTED).
9. REINFORCING BARS:

- A. AT CORNERS OF CONCRETE WALLS, BEAMS, AND CONTINUOUS WALL FOOTINGS, PROVIDE MATCHING HORIZONTAL BARS X 5'-0" LONG BENT BAR FOR EACH HORIZONTAL BAR SCHEDULED AT EACH FACE.
- B. WHERE COLUMNS ARE AN INTEGRAL PART OF LONG CONCRETE WALLS, WALL REINFORCEMENT SHALL BE CONTINUOUS THRU THE COLUMNS.
- C. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE PER ACI REQUIREMENTS UNLESS OTHERWISE NOTED.
- D. ALL REBARS THAT ARE TO BE DRILLED AND FASTENED WITH ADHESIVE ANCHORS (ONLY IN AN OVERHEAD, INCLINED UPWARD, OR HORIZONTAL POSITION) INTO CONCRETE, REQUIRE THE INSTALLER BE ACI CERTIFIED PER ACI 318-11. THE ALTERNATIVE IS TO PERFORM A PULL TEST ON EVERY REBAR.

## STEEL

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO:
    - C. ASTM SPECIFICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
    - D. ASTM SPECIFICATION A 36 FOR MISCELLANEOUS STEEL SHAPES (ANGLES, PLATES, ETC.).
    - E. SQUARE OR RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION A 500 GRADE B (FY=46 KSI).
    - F. ALL STEEL TO HAVE A SHOP COAT OF RUST-INHIBITIVE PAINT.
    - G. DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FIREPROOFING OR CONCRETE ENCASEMENT.
    - H. ALL MILL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.
    - I. STEEL BEAMS INSTALLED IN PARALLEL WITH STEEL BAR JOISTS MUST HAVE CAMBER EQUAL TO BAR JOISTS.
  2. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
  3. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A-325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
    - A. FULL DEPTH DOUBLE CLIP ANGLE CONNECTIONS ARE TO BE USED ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS. BOLTS TO BE AT 3-INCH O.C. VERTICAL.
    - B. FULL DEPTH CONNECTIONS: WITH L N1 CLIP ANGLES TOP AND BOTTOM ARE TO BE USED ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS AT N2 FLOORS. BOLTS TO BE AT 3-INCH O.C. VERTICAL.
    - C. CONNECTIONS TO FOLLOW STRUCTURAL SECTION (HSS) COLUMNS ARE TO BE BY THRU-PLATE UNLESS NOTED OTHERWISE.
    - D. ALL CONNECTIONS SHALL BE DOUBLE ANGLES (J.N.O.).
    - E. THE STEEL FABRICATOR SHALL BE RESPONSIBLE FOR DESIGNING THE CONNECTIONS AND PROVIDING SIGNED AND SEALED CALCULATIONS BY A FLORIDA PE.
  4. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY ISOLATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
  5. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES.
  6. SUBMIT ALL STEEL SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ANY FABRICATION.
  7. EQUIPMENT SUPPORTS.

PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS, INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT ANY EQUIPMENT OR PIPING FROM METAL DECKING.

8. DECK SUPPORTS:
- PROVIDE 1/4" BENT PLATES AT ALL HIPS, VALLEYS, SKEWED BEAMS, AND OTHER AREAS FOR DECK SUPPORT.

### PRE-ENGINEERED METAL BUILDING (PEMB)

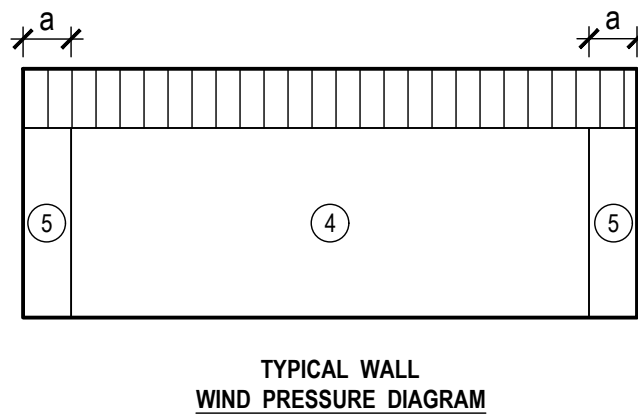
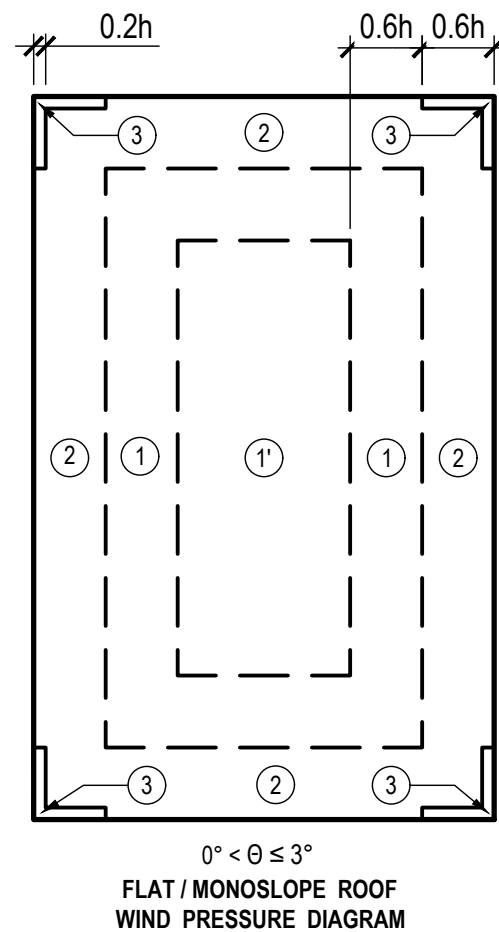
1. PRE-ENGINEERED METAL BUILDING DESIGNED AND CONSTRUCTED BY NUCOR BUILDING SYSTEMS WILL BE ERRECTED ON THE FOUNDATION SPECIFIED IN THIS SET OF STRUCTURAL PLANS.
2. PEMB MANUFACTURER SHALL DESIGN AND SPECIFY THE ANCHOR BOLTS AND BOLT PATTERN FOR ALL COLUMN BASE PLATES.
3. SEE ADDITIONAL NOTES 1 AND 2 ON DRAWING S-4.0 REGARDING THE LATERAL DESIGN CRITERIA FOR THE MOMENT FRAMES AND WIND BRACES.

## SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES, WITH THE GENERAL CONTRACTOR'S REVIEW STAMP FOR THE FOLLOWING:
  - A. CONCRETE MIX DESIGNS
  - B. STRUCTURAL STEEL
  - C. PRE-ENGINEERED METAL BUILDING
  - D. PRE-ENGINEERED STEEL JOISTS AND JOIST GIRDERS
  - E. STEEL DECK
  - F. PRE-ENGINEERED LIGHT-GAGE METAL TRUSSES
2. PRE-ENGINEERED ITEMS SHALL BE SUBMITTED, SIGNED, AND SEALED BY A SPECIALTY ENGINEER LICENSED IN THE STATE OF FLORIDA.

ADDITIONAL WELDING AND BOLTING REQUIREMENTS:

1. WELDING SHALL COMPLY WITH FBC 2204.1. BOLTING SHALL COMPLY WITH FBC 2204.2.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE WELDING PROCEDURE SPECIFICATIONS, AND WELDER OPERATOR PERFORMANCE QUALIFICATION RECORDS IN ACCORDANCE WITH THE REFERENCED STANDARDS AT THE TIME OF INSPECTION FOR FIELD WELDING AND ON THE JOB-SITE WELDING. THIRD PARTY CERTIFICATION WILL BE REQUIRED.



Architecture  
Planning  
Interior Architecture

901  
Northpoint Parkway  
Suite 101  
West Palm Beach  
Florida 33407

02/24/2023

## New Kitchen Facility for



701 Boutwell Road  
Lake Worth, FL. 33461



Project No. 22.046  
24 February 2023  
Bidding, Permit and  
Construction

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1.0

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