B. MISCELLANEOUS METALS INCLUDING STEEL STAIRS, HAND RAILS AND SAFETY RAILS, MECHANICAL EQUIPMENT SUPPORTS, FRAMES THAT SUPPORT MACHINES, PIPES OR OTHER STRUCTURAL METAL USED FOR SUPPORT OF MECHANICAL SYSTEMS. PRIOR TO SHOP DRAWING PREPARATION, THE GENERAL CONTRACTOR IS TO INVESTIGATE AND VERIFY ACTUAL FIELD CONDITIONS, EXPOSED OR CONCEALED AND TAKE INTO ACCOUNT ANY POSSIBLE CONSTRUCTION INTERFERENCES AND RELOCATIONS OF, BUT NOT LIMITED TO STRUCTURES, EQUIPMENT, UTILITIES, CABLES, DUCT LINES, PIPING, DRAIN LINES, ETC. ALL EXISTING CONDITIONS, DIMENSIONS, LOCATIONS AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR IN THE FIELD AND COORDINATED WITH THE NEW CONSTRUCTION PRIOR TO PREPARATION OF WORKING OR SHOP DRAWINGS OR FABRICATION AND COMMENCEM OF ANY WORK. IF DISCREPANCIES ARE DISCOVERED BETWEEN EXISTING CONDITIONS AND CONTRACT WORK, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER PRIOR TO PERFORMANCE OF ANY WORK. ALL FASTENERS DESIGNATED, AS STAINLESS STEEL STAINLESS STEEL. ANY PORTION OF EXISTING STRUCTURE ADJACENT TO THE CONSTRUCTION WHICH MAY BY DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION AS GOOD AS BEFORE THE COMMENCEMENT OF THE WORK AT NO ADDITIONAL COSTS TO THE OWNER. SHOLD INSPECTIONS SHALL BE PERFORMED DURING JING AS REQUIRED BY SECTION 110.8 OF FBC. OBTAIN DEMOLITION PERMIT BEFORE PROCEEDING WITH THE WORK. CONTACT LOCAL BUILDING AUTHORITIES TO BECOME FAMILIAR WITH LOCAL LAWS AND REGULATIONS GOVERNING THIS WORK. IN ADDITION TO THE LOADS SHOWN IN THE DESIGN LOAD SCHEDULE, THE SPECIALTY ENGINEER SHALL DESIGN FOR THE WEIGHT OF ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND FIXTURES, AS WELL AS CHANDEL FIXTURES, BAR CABINETS, AND ART WORK / MOBILES.

CONTRACTOR TO INCLUDE IN THEIR BID THE COST OF THE ABOVE NOTED SPECE. PROVIDE THE NECESSARY LABOR, MATERIAL, SCAFFOLDING AND EQUIPMENT REQUIRED TO COMPLETE DEMOLITION AS DESCRIBED IN THE DRAWINGS. JUSTOM (ONE OF A KIND) EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED BY AN APPROVED TESTING LABORATORY OR BE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES. REFER TO ARCHITECTURAL, MECHANICAL OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERTS, BOLTS SETTINGS, DRAINS, REGLETS, ETC. NATIONAL DESIGN SPECIFICATION, WOOD CONSTRUCTION NDS/LATEST EDITION. NSCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK. SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC ASD/ 9TH EDITION OR LRFD 3RD EDITION. SCONNECT ALL ELECTRICAL, PLUMBING AND AIR CONDITIONING YSTEMS WITHIN THE AREA TO BE DEMOLISHED BEFORE PROCEETIND DEMOLITION WORK. JILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY ANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, USERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION. CELLANEOUS HANGERS, CHANDELIERS, CABINETS, METAL FRAMES, LADDERS, GING, HANGING WALLS, RAILINGS, GLAZING FRAMES, CLADDING SUCH AS NE, PRECAST, ALUMINUM, METAL PANELS, CABLE BARRIER SYSTEMS, ETC. ANY OTHER MISCELLANEOUS PRODUCT REQUIRED BY ANY OF THE CONSTRUCTION CUMENTS. DUSH ONLY THE MEMBERS INDICATED IN THE DRAWINGS, DEMOLISH CRETE MEMBERS IN SMALL SECTIONS. TAKE EVERY PRECAUTION TO TECT EXISTING STRUCTURE THAT IS TO REMAIN. USE BRACING AND RING AS NECESSARY TO AVOID COLLAPSE OF STRUCTURE. DA 101/1.S. 2-97 OR TAS 202 (HVHZ SHALL COMPLY WITH ALL MECHANICAL COUPLERS SHALL DEVELOP 1.25 FY OF REBAR IN TENSION OR COMPRESSION AND COMPLY WITH ACI 318. FOR GRADE BEAMS LAP ALL TOP STEEL AT MID STEEL OVER SUPPORT. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SHORING, BRACING AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE THE STABLITY OF THE STRUCTURE DURING CONSTRUCTION. SUBMIT SIGNED AND SEALED SHOP DRAWINGS PREPARED BY A DELEGATED ENGINEER EXPERIENCED IN SUCH WORK AND LICENSED IN THE STATE OF FLORIDA. SUBMIT DRAWINGS TO THE ARCHITECT, ENGINEER, SPECIAL INSPECTOR, AND BUILDING OFFICIAL FOR RECORD ONLY. SHORING AND RESHORING DESIGN AND CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE ENGINEER IN HIS EMPLOY. 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). CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS. CENTERLINE OF FOOTINGS: SHALL COINCIDE WITH CENTERLIN COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS. BOTTOM OF FOOTINGS ASSUMED TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 2500 PSF. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING. THE BRACING DETAILS OF THE EXTERIOR WALLS OF WHICH IN SOME CASES, THE ROOF DECK DIAPHRAGM AND ROOFING MEMBERS WILL BE REMOVED LEAVING THE EXTERIOR WALLS UNBRACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIRE A SPECIALTY SHORING AND BRACING ENGINEER TO PROVIDE THE REQUIRED DOCUMENTS FOR THIS EFFORT. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK, ORDERING MATERIALS, OR MOVING FORWARD IN ANY WAY. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.

TOP OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM 1'-4" BELOW A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS
A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI @ 28 DAYS
SLUMPS SHALL BE 3" MINIMUM AND 5" MAXIMUM.

ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.40
JOBSITE WATER SHALL NOT BE ADDED. IDED WIRE FABRIC SHALL COMPLY WITH ASTM A 185, UNLESS THERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN AB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3"-0" O.C. IF THE MASONRY OPENING HAS AN END ADJACENT TO A CONCRETE COLUMN PROVIDE (2) #5 OR #6 DOWELS, AS THE CASE MAY BE, IN CONCRETE COLUMN WITH SHEAR KEY 1-1/2 INCH DEEP BY LINTEL'S DEPTH AND WIDTH FOR ITS SUBSEQUENT CONSTRUCTION. LINTELS TO HAVE 8" MINIMUM BEARING AT EACH END ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60. DROP BOTTOM OF BEAM OR SLAB AT WINDOWS, DOORS AND MASONRY OPENINGS AS REQUIRED TO PROVIDE A CONCRETE CLOSURE BETWEEN THE BOTTOM OF THE BEAM AND WINDOW AND/OR DOOR HEADER OR PROVIDE A PRECAST CONCRETE LINTEL BY CASTCRETE IF NOT NEXT TO A POURED CONCRETE COLUMN. ALL REBARS THAT ARE TO BE DRILLED AND FASTENED WITH ADHESIVE ANCH (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. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1. SLAG, ASTM C989 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. PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES. OAD BEARING ASTM C90
YPE II NON-MOISTURE CONTROLLED
IORMAL WEIGHT
U.N.O.). AT CORNERS OF CONCRETE WALLS, BEAMS AND CONTINUOUS WALL FOOTINGS, PROVIDE MATCHING HORIZONTAL BARS X 5'-O"
BENT BAR FOR EACH HORIZONTAL BAR SCHEDULED AT EACH FACE.
WHERE COLUMNS ARE AN INTEGRAL PART OF CONCRETE WALLS, WALL REINFORCEMENT SHALL BE CONTINUOUS THRU THE COLUMNS. ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES PIPING, ETC. AXMUM DROP SHALL BE 16" (TWO BLOCK COURSES) AND SPAN EQUAL TO MASONRY OPENING WIDTH. PROVIDE 2 #5 AT BOTTOM OF DROP NCLUDING #3 TIES @ 24" O.C. EXTENDING TO TOP OF BEAM REINFORCING. THE LINTEL EXCEEDS THE ABOVE LIMIT OF DROP, A SEPARATED LINTEL HALL BE PROVIDED AS FOLLOWS: ONITACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF N1 TONS OF NDITIONAL REINFORCING STEEL, INCLUDING DETAILING, FABRICATION, SEDITIONAL REINFORCING STEEL, INCLUDING DETAILING, FABRICATION, SEDING, FURNISHED, AND PLACING. THIS EXTRA STOCK SHALL BE FURNISHED IND USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S CCOUNT. MPRESSIVE STRENGTH OF MASORDANCE WITH ASTM C1314. OPENING LESS THAN 6'0" WIDE 8" \times 8" W/2 #5 BOTTOM BARS. OPENING BETWEEN 6'0" AND 12'0" WIDE 8" \times 12" W/2 #6 BOTTOM BARS. FOUNDATION INVESTIGATION PREPARED BY N1 WORK IS TO BE PERFORMED IN EPOXY GROUT SH.
HAVE THE FOLLO'
TENSILE STI
FLEXURAL S ALL STRUCTURAL S
WITH THE LATEST
A. ASTM SPECIF
B. SQUARE OR I
500 GRADE I ALL JOISTS SHALL PAINT. JOIST MANUFACTURER MUST DESIGN BRIDGING GIVEN BY THE ROOF DECK. STAINLESS STEEL STEEL ROD MATER 304), STAINLESS EDITION, TYPE A I MEET ASTM F594 ALL BRICK MASON STRENGTH OF 8,0 EXTEND AND CONNECT BOTTOM CH WHERE NOTED ON DRAWINGS. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES. SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION. PROVIDE CONTROL JOINTS IN MASONRY WALLS AT A SPACING OF 30' \pm 0.C. AND ALIGN WITH ARCHITECTURAL CONTROL JOINTS. JOIST FABRICATOR SHALL HAVE A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA SIGN AND SEAL ALL STEEL JOIST SHOP DRAWINGS. THAT THESE SHOP DRAWINGS SHALL CONTAIN A STATEMENT CERTIFYING THAT THE STEEL JOISTS CAN SAFELY RESIST THE WIND UPLIFT FORCES AS NOTED. SHEAR CONNECTORS TO BE HEADED STUD TYPE, ASTM A/108, GRADE 1015 OR 1020, COLD FINISHED CARBON STEEL, WITH DIMENSIONS COMPLYING WITH AISC SPECIFICATIONS. "ULL DEPTH DOUBLE ANGLE END CONNECTIONS ARE TO BE USED ON ALL COMPOSITE BEAMS AND GIRDERS WITH SHEAR STUDS. CONNECTIONS ARE TO BE DESIGNED FOR 150% OF AISC TABLE VALUES. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A-325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS). PROVIDE HOT DIP REINFORCEMENT WALLS. PROVIDE TEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED TO THE REQUIREMENTS OF THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE TOR: PROVIDE 1/4" BENT PLATES AT ALL HIPS, VALLEYS, SKEWED BEAMS AND OTHER AREAS FOR DECK SUPPORT. ANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. ROVIDE BRIDGING IN ACCORDANCE WITH SJI STANDARDS UNLESS NOTED THERWISE ON THE DRAWINGS. 30' SPAN 30' SPAN 60' SPAN SERIES K JOISTS STEEL BEAN ALL CONNECTIONS TO HOLLOW STRUCTURAL SECTION (HSS) COLUMNS ARE TO BE THRU-PLATE UNLESS NOTED OTHERWISE.

ALL CONNECTIONS SHALL BE DOUBLE ANGLES UNLESS NOTED OTHERW 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. ROUND HSS SHALL CONFORM TO ASTM SPECIFICATION A500, GRADE B (FY=42 KSI). ROUND HSS WITH A WALL THICKNESS GREATER THAN 5/8", SHALL CONFORM TO ASTM A53, GRADE B (FY=35 KSI).

ALL STEEL TO HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.

DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FIREPROOFING OR CONCRETE ENCASEMENT. A PRECAST MASONRY LAP SPLICES THAT OCCUR AT CANTILEVERED WALLS SUCH AS: PARAPETS, RETAINING WALLS, ETC. SHALL HAVE LAP SPLICE LENGTHS INCREASED BY 50% TO 72 BAR DIAMETERS. LAP SPLICES SHALL OCCUR DIRECTLY ABOVE FOOTINGS AND NO SPLICES ARE ALLOWED AT MID—HEIGHT OF WALL. THE LOADS SHOWN IN THE DESIGN LOAD SCHEDULE, THE NEER SHALL DESIGN FOR THE WEIGHT OF ALL MECHANICAL, ELECTRICAL EQUIPMENT AND FIXTURES, AS WELL AS CHANDE CABINETS, AND ART WORK / MOBILES. MS INSTALLED IN PARALLEL WITH STEEL BAR JOISTS MUST BER EQUAL TO BAR JOISTS. HALL BE NON-SHRINK HIGH CREEP RESISTANT, AND SHALL OWNIG MINIMUM ALLOWABLE PROPERTIES:
TRENGTH, ASTM C 30: 1,500 PSI
STRENGTH, ASTM C 580: 4,000 PSI
IVE STRENGTH, ASTM C 579: 1,600 PSI/7 DAYS. PPED GALVANIZED LADDER TYPE HORIZONTAL JOINT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY DOVE TAIL SLOT ANCHORS AT CONCRETE COLUMNS. STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE ASSC CODE. STRUCTURAL STEEL SHALL CONFORM TO: SHALL CONFORM TO THE LATEST AISC CODE. STAINLESS RIAL SHALL MEET THE REQUIREMENTS OF ASTM F593 (AISI STEEL WASHERS SHALL MEET ANSI B18.22.1/LATEST PLAIN, REQUIREMENTS. STAINLESS STEEL NUTS SHALL REQUIREMENTS. NRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE 000 PSI AND BONDED TOGETHER WITH TYPE S MORTAR. FICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION
B (FY=46 KSI). CONCRETE LINTEL BY CASTCRETE SHALL BE PROVIDED OVER VALL OPENINGS. THE LINTEL SHALL BE FULLY GROUTED. HAVE A SHOP COAT OF RUST INHIBITIVE NON BITUMINOUS MASONRY BEAM WITH 2 #5 CONT. AT EVERY WINDOW SILL. BEYOND EDGE OF OPENING. CONNECTIONS: WITH L N1 CLIP ANGLES TOP AND BOTTOM USED ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS RS. BOLTS TO BE AT 3-INCH O/C VERT. FOR REINFORCED CMU AS FOLLOWS:

BAR SIZE

#4 #5 #6 #7

24" 30" 36" 42" ORD OF EACH JOIST GIRDER FOR A COM ASSUMING NO BRACING IS OPENING SIZE

UP 10 4' -0" (2) 2" X 6"

4'-0" 10 6'-0" (2) 2" X 8"

6'-0" 10 9'-0" (2) 2" X 8"

6'-0" 10 9'-0" (2) 2" X 10"

PROVIDE SP ACQ PRESSURE TREATED LUMBER IN ACCORDANCE WITH AWPA STANDARDS TO A MINIMUM 0.40 PCF RETENTION WHERE LUMBER IS IN CONTACT WITH PRESSURE TREADED LUMBER SHALL BE GALVANIZED WITH A RATING OF G-185 AND CONFORM TO ASTM A653. ALL NAILS AND SCREWS USED WITH PRESSURE TREATED LUMBER ARE TO BE HOT-DIPPED GALVANIZED AND TO CONFORM TO ASTM A153 CLASS D. ELECTROGALVANIZED FASTENERS SHALL HAVE A CLASS RATING PER ASTM B695 NO LESS THAN 55. ALUMINUM NOT TO BE USED IN DIRECT CONTACT WITH ACQ TREATED LUMBER. PRE—ENGINEERED ITEMS SHALL BE SUBMITTED SIGNED ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AS SPECIFIED BY TRUSS SPECIALTY ENGINEER WITH AN 8'-0" MAXIMUM (224 MIN)ON CENTER WITH A CEILING ATTACHED TO BOTTOM OF TRUSSES. IF NO CEILING IS ATTACHED TO BOTTOM OF TRUSSES, BRACING SHALL BE MINIMUM 224 @ 36" ON CENTER NAILED TO THE TOP OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45 DEGREES TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS. SECURE CONTINUOUS AND DIAGONAL BRACING WITH A MINIMUM OF (2) 10D X 3" NAILS FOR 2X4'S AND (3) 10DX 3" FOR 2X6'S. TRUSSES SHALL BE MANUFACTURED & DESIGNED IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATION(S) FOR WOOD CONSTRUCTION, AF & PA, AND NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI 1-1995, AND THE LOCAL CODE JURISDICTIONS. DO NOT CUT, DRILL OR NOTCH ROOF OR FLOOR TRUSSES WITHOUT WRITTEN APPROVAL FROM TRUSS ENGINEER. COORDINATE MECHANICAL, ELECTRICAL, PLUMBING, ETC. SIZES AND LOCATIONS WITH TRUSS LAYOUT PRIOR TO ERECTION. I-1/2" METAL ROOF DECK IS TO BE ATTACHED TO STRUCTURAL STEEL SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS (MINIMUM OF 5 WELDS PER SHEET PER JOIST). SIDE JOINTS SHALL BE FASTENED TOGETHER WITH #10 SELF DRILLING SCREWS AT MID SPAN BETWEEN SUPPORTS (MINIMUM OF 3 PER SPAN), UNLESS INDICATED OTHERWISE ON THE DRAWNIGS. ROOF DECK WITH LIGHTWEIGHT INSULATING CONCRETE SHALL BE VENTED. G.C. SHALL VERIFY AND COORDINATE DECK FASTENING WITH ROOFING AND INSULATION NOA'S. WOOD TRUSS MANUFACTURER TO DESIGN BOTTOM CHORDS OF WOOD ROOF TRUSSES FOR A MINIMUM 10 PSF LIVE LOAD. BOTTOM CHORDS OF WOOD ATTIC TRUSSES TO BE DESIGNED FOR 30 PSF MINIMUM LIVE LOAD. CONNECTOR PLATES SHALL BE MANUFACTURED BY A WTCA MEMBER PLATE SUPPLIER AND SHALL MEET OR EXCEED ASTM A653/A653M REQUIREMENTS FOR STRUCTURAL STEEL. WOOD CONNECTIONS — ALL NAILS USED FOR STRUCTURAL FRAMING MEMBERS SHALL BE COMMON WIRE, U.N.O. ALL NAILS, TRUSS HANGERS, TRUSS ANCHORS AND STRAPS SHALL BE GALVANIZED FOR CORROSIVE RESISTANCE. ALL METAL STRAPS MUST BE INSTALLED WITH EQUAL LENGTHS ABOUT THE JOINT LINE. USE SIMPSON STRONG—TIE CONNECTOR PRODUCTS OR APPROVED EQUAL. TOE NAILING WILL NOT BE PERMITTED. ALL GLUED LAMINATED BEAMS SHALL BE VIS ALL LUMBER SHALL BE SOUTHERN PINE SPECIES #2 GRADE OR APP EQUAL. ALLOWABLE DESIGN STRESSES SHALL FOLLOW NATIONAL DESIGN SPECIFICATION (NDS) (LATEST EDITION). ALL STRUCTURAL WOOD MEMBERS ARE DESIGNED AS "DRY-USE". MOISTURE CONTENT MUST BE 19% OR LESS. STORE WOOD FRAMING ABOVE GROUND AND UNDER TARPS WITH PROPER AIR CIRCULATION. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC CONCRETE MASONRY UNIT SUBMITTALS AND OTHER MASON STRUCTURAL STEEL AREAS OF WARPED ROOF DECK, SELF DRILLING SCREWS ARE TO BE DON CONNECTIONS OF STEEL ROOF DECK TO STRUCTURAL STEEL PORTS. SCREW SIZES TO COMPLY WITH MANUFACTURER'S AND STORY MUTUAL REQUIREMENTS. ATTACH DECK TO ALL SUPPORTING OF JOISTS. IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20-FOOT INTERVALS. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS. LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (MIN. 2" THICK NOMINAL LUMBER). THIS BRACING IS TO BE CONT THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING FOR EACH TRUSS WEB MEMBER AS REQUIRED. SES SYSTEM F PLYWOOD DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND NAILED TO DEVELOP DIAPHRAGM ACTION, BRACING IS NOT REQUIRED. GLUE LAMINATED BEAM ADHESIVES TO CONFORM WITH ASTM D2559-92.
THE MINIMUM ALLOWABLE PROPERTIES FOR GLUED LAMINATED BEAMS $Fb = 2,400 \ PSI \qquad Fv = 240 \ PSI \qquad E = 1.7 \ X \ 106 \ PSI \\ BE PRESSURE TREATED WITH A WATER BORNE PRESERVATIVE FOR EXTERIOR USE OR WHEN IN CONTACT WITH CONCRETE OR MASONRY PER AITC 109–98 AND AMERICAN WOOD PRESERVERS C-28 STANDARDS.$ FLOOR SHEATHING TO BE SCREWED WITH #10 WOOD SCREWS AT 6" O.C. AND GLUED FOR PARTIAL COMPOSITE ACTION. SELECT ADHESIVE WITH APA AFG-01 SPECIFICATION AND FOLLOW APA RECOMMENDATIONS. ROOF: Use 19/32" OR 23/32" 40/20 RATED, STRUCTURAL 1, EXP. 1, PLYWOOD SHEATHING. WALL: Use 19/32" APA 32/16 RATED, STRUCTURAL 1, EXP. 1, PLYWOOD SHEATHING. FLOOR: USE 3/4" T&G APA 24°C STURD-I-FLOOR, EXP. 1, PLYWOOD SUB-FLOOR SHEATHING. HRAGM NAILING TYPE, SIZE, SPACING AND O'Donnell, Naccarato, Mig PERMITS E 772.092 Jackson

PERMIT SET

CHECKED BY

LORIDA LICENSURE AA26002219

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