ZONE 12.5 / -34.7 11.4 / -31.9 10.0 / -28.2 12.5 / -51.3 11.4 /-47.9 10.0 / -43.5 21.8 / -23.6 20.8 / -22.6 19.5 / -21.3 BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 300; EXPOSURE "B" ROOF ANGLE 1" TO 21" -5|.6 -5|.6 -5|.6 -26.9 -11.6 -61.0 -60.8 -33.0 -31.6

NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED 'HIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

NOTE! THIS PROJECT IS TYPE 5 UNPROTECTED CONSTRUCTION PER 2011 FBC TABLE 503 AND TABLE 600 NOTH!
ADDED FILL 6
EA. LIFT SHALL
COMPACTION F NOTH!
THE DESIGN
PROJECT IS
AND LOCAL NOTH!
ALL ANCHOR BOLTS ARE ASTM GRADE A36
STEEL ROD, THREADED 3 1/2", BLACK AND
FREE FROM RUST AND SCALE WIND SPEED FOR THIS
140 MPH PER 2017 FBC 1609
JURISDICTION REQUIREMENTS

I FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS:
SUPERIMPOSED LIVE LOADS:
COMMERCIAL
SALCONIES/CORDINATES

WIND NET UPLIFT:

CATED ON PLANS

50 PSF 80 PSF

25 PSF

SED ON ANSI/ASCE 7-10. 2017

WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE

THE DESIGN COMPLIES WITH THE REQUIREMENTS OF .
DING CODE - SECTION 1609 AND OTHER REFERENCED CIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL TIME OF PERMIT.

THE 2017 FLORIDA
D CODES AND
LL BE LATEST EDITION

NOTH!

REFER TO THE METAL BUILDING SHOP
DRAWINGS PREPARED BY MESCO METAL
BUILDINGS, INC., FOR EXACT LOCATION
OF ALL EMBEDDED ANCHOR BOLTS.

ALMA Z

NPACTED TO 95% DRY

MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT VINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET-DER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4

FLOOR FOR SUBSEQUENT INSTALLATION IN WITH PERMANENT METAL OR PLASTIC BE OF A SIZE AND DEPTH THAT WILL SOIL AFTER THE INITIAL TREATMENT.

II. AN EXTERIOR VERTICAL CHEMICA CONSTRUCTION IS COMPLETE INCLUDI ANY SOIL DISTURBED AFTER THE VE BE RETREATED. FBC 1816.1.6 CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER UST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5 SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6 ALL BUILDINGS ARE REQUIRI 1816.1.7 IANCE MUST BE ISSUED TO THE BUILDING DEPARTONITIOL COMPANY BEFORE A CERTIFICATE OF
THE CERTIFICATE OF COMPLIANCE SHALL STATE:
A COMPLETE TREATMENT FOR THE PREVENTION
THE TREATMENT IS IN ACCORDANCE WITH THE
RIDA DEPARTMENT OF AGRICULTURE AND CONS-ETED, LOOSE WOOD AND FILL MUST BE REMOVED THE BUILDING, THIS INCLUDES ALL GRADE TS, SHORING OR OTHER CELLULOSE CONTAINING MICAL BARRIER MUST BE INSTALLED AFTER JUDING LANDSCAPING AND IRRIGATION.
VERTICAL BARRIER IS APPLIED, SHALL ED TO HAVE PER-CONSTRUCTION TREATMENT.

I. ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCHITECT'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ENGINEER AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS. 3. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN. 5. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. 2. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE AND APPLICABLE LOCAL, STATE AND FEDERAL LAWS. PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR AFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE DRK. REMOVE WHEN WORK IS COMPLETED. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE MAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHARMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S PENSE. CONTRACTOR SHALL SUBMIT TO THE ARCHITECT TWO SETS OF BLUE INTS OF THE STRUCTURAL SHOP DRAWINGS FOR ARCHITECT REVIEW, FORE STARTING FABRICATION. THE ARCHITECT WILL RETURN ONE MARKED AND STAMPED COPY TO THE CONTRACTOR. THE MARKED-UP COPY SHALL USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION
THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERI
DDUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED
DRIVATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECTRECORD AND APPROVED BY THE BUILDING DEPARTMENT. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL CING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE PONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE? ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND CING AND THE PERFORMANCE OF THE CONTRACTOR. PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, INGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL NCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS. ARCHITECT WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED ED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING COORDINATION WITH THE STRUCTURAL DESIGN. 4. PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.). SLABS ON GRADE: 3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT LOC. INDICATED ON THE PLANS DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12"
COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557) WITHIN A
ANCE OF 3 FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE
SITY TEST FOR EACH 1,600 SQ.FT. OF AREA AND 12" BELOW SURFACE.
JLTS OF THE TEST TO OWNER, ARCHITECT AND ENGINEER.

7. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEMALKS AND TO STREETS OR OTHER PUBLIC PROPERTY PUBLIC UTILITIES. 7. ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE REBARS). 2. ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (A.C.I. 305R - LATEST EDITION). 4. ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST A.S.T.M. A-615 GRADE 60, FABRICATED IN ACCORDANCE WITH C.R.S.I. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH A.C.I. 315 AND C.R.S.I. MANUAL OF STANDARD PRACTICE. CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH UILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 NTEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE EINFORCEMENT" - (A.C.I. 315 - LATEST EDITION). ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH 3,000 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5". SEE PLAN FOR MINIMUM SIZE (BOTTOM).... (TOP & SIDES). DETAILED ON DRAWINGS: . ~<u>\_</u> ~<u>\_</u> B. LINTEL MAY BE INTEGRAL WITH THE STRUCTURAL OR TIE BEAM WHEN HEAD OF THE OPENING IS 16 INCHES OR LESS BELOW. CONTINUE BEAM'S TYPICAL BOTTOM REBARS THROUGH AND ADD 2-#5 BOTTOM TRUSS BARS AT DROPS AND 2-#3 STIRRUPS AT 6 INCHES O.C. EACH END AT DROP. C. MINIMUM BEARING FOR PROVIDE DOWELS AND POCKETS I ALL LINTELS 8 INCHES EACH SIDE OR IN ADJACENT CONCRETE COLUMNS.

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2 4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6 3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4 I. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6 INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND ACKFILL IS COMPLETE. FBC 1816.1.1 CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" VAY FROM BUILDING SIDE WALLS. FBC 1503.4.4 OF 8 INCHES DEEP WITH 2-#4 TOP AND THAN 6 FEET, 12 INCHES DEEP WITH 2-#5 TOP AT 6 INCHES O.C. EACH END, FOR SPANS FEET). CALL ENGINEER FOR SPANS LARGER BEAMS OR LINTELS OVER.

2. ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST A.C.I - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A.C.I. - 302.IR) 4. BOTTOM OF ALL FOOTINGS TO BE A MINIMUM 1'-6" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-6" BELOW TOP OF THE LOWER SLAB. I. ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 X 6 - WI.4 X WI.4 WELDED WIRE FABR (UNLESS OTHERWISE NOTED). 6. ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS,
SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48
BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS,
EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT. 3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS). B. WHEN GEO-TECHNICAL REPORTS ARE PROVIDED, ALL RECOMENDATIONS OF THE SOILS ENGINEER SHALL BE FOLLOWED AND THE DESIGN SOIL BEARING PRESSURE SHALL BE AS RECOMMENDED IN SUCH REPORTS, AND SUPERCEEDS PRESSURES INDICATED HEREIN. REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC NON-MONOLITHIC) SHALL BE SPLICED 40 BAR DIAMETERS MINIMUM AND LEXTEND CONTINUOUSLY THRU ALL FOOTING PADS. (B) WHEN A FOUNDATION DOI CORE IT SHALL NOT BE SLOPED MO INCHES VERTICAL FOR ALIGNMENT, TO THE VERTICAL WALL REINFORCIN 9. PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR ALL MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS. (D) VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL, AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL BUT NEVER LESS THAN A #5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GROUTED LINE UP PROPERLY AND ARE CLEAN OF EXCESS MORTAR. (C) VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR-DIAMETERS. PROVIDE BAR SPACERS AS REQUIRED TO MAINTAIN REINFORCING SECURED IN POSITION. 3. MORTAR SHALL CONFORM TO ASTM C-270, TYPE "M" OR "S". 4. LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE SHELL MORTAR BEDDING. 2. SPECIAL INSPECTOR SERVICES ARE REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION. THE SPECIAL INSPECTOR SHALL INSPECT THE PLACING OF THE REBARS IN THE CELLS, VERIFY CLEANLINESS OF THE CELLS TO BE GROUTED, AND OBSERVE THE PLACING OF THE GROUT OR CONCRETE INTO THE CELLS. A. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE OR CAST-IN-SITE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY WALLS NOT EXCEEDING SIX (6) FEET IN WIDTH WHERE BEAMS HAVE NOT BEEN SPECIFIED. FOR OPENING ADJACENT TO CONCRETE COLUMNS - THE LINTEL SHALL BE CAST-IN-PLACE WITH THE COLUMN. PROVIDE GALVANIZED #9 GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) LAPPED 7-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "T" AND "L" INTERSECTION. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF POUR. (E) ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BOND BEAMS AT THE NON-CONTINUOUS END OF THE REBARS. (F) PROVIDE INSPECTION HOLES AT THE BOTTOM OF EACH REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN 5 FT. LINTELS: MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS. VERTICAL REINFORCING:
(A) ASTM A-615 PER REINFO CELL FILLING CONCRETE SHALL BE "PEA DOCK" CONCRETE MIX (8" 9" SLUMP) OR GROUT WITH  $f^{\prime}c$ =3,500 PSI MIN. AT 28 DAYS. THE USE OF ADMIXTURES SHAIDR REVIEW OF THE ENGINEER. NOWEL DOES NOT LINE UP WITH A VERTICAL MORE THAN ONE HORIZONTAL INCH TO SIX , EVEN THOUGH IT IS IN A CELL ADJACENT JING. NOT BE PERMITTED WITHOUT

PLYWOOD ROOF DIAPHRAGM

GENERAL STRUCTURAL NOTES

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODI

LL STRUCTURAL STEEL TO BE DOMESTIC A.S.TM. A-36 (Fy=36 K.S.I.)
DESIGNED IN ACCORDANCE WITH THE LATEST A.I.S.C. "SPECIFICATION FOR
DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR
DINGS" AND THE A.I.S.C. CODE OF STANDARD PRACTICE.

AND PIPE COLUMNS TO BE CONCRETE FILLED WITH VENT HOLES TOP, E AND BOTTOM.

ING TO ASIM.

L COLUMN BASE AND CAP PLATES SHALL BE 3/4" THICK (UNLESS WISE NOTED). WIDTH AND LENGTH AS REQUIRED FOR PROPER BOLTING S INDICATED ON THE PLANS AND DETAILS.

L WELDING TO BE IN ACCORDANCE WITH AWS. LATEST TURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF ALL FIELD WITH HEAVY DUTY RUSTPROOFING PAINT.

CTURAL STEEL: (SHOP DRAWINGS REQUIRED)

CONCRETE SLABS ON GRADE:

5. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL OTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE REHITECT IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING ITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE ONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE ELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS IN THE COST OF RECTIFYING THE SAME.

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DET OR SECTION IS SHOWN.

3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.

I. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.

I. FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1,000 PSF MINTUM. FOR REQUIRED SOIL BEARING CAPASITIES GREATER THAN 1,000 PSF, A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.

NRY UNITS SHALL CONFORM TO QUARE END, WITH A MINIMUM AVERAGE AREA OF fm=2,000 (PSI). CONSTRUCTION ACI 530.1 SPECIFICATIONS.

2. NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL COMPACTED TO 95 % MODIFIED PROCTOR (ASTM D-1557).

GENERAL STRUCTURAL NOTES

OR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOUS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SHIFICIENTLY TO STAY IN PLACE. ISE AND CAP FLASHINGS:

ISE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S

STALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION

SISTANT METAL OF MINIMUM NOMINAL THICKNESS ØØIS INCH OR MINERAL

STACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER IØØ SQUARE

ET, CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM

MINAL THICKNESS OF ØØIS INCH. TACHMENT:

PHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN UR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL INGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 100 MPH OR EATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS HERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM HERWISE NOTED. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS IS INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE. ERLATMENT APPLICATION:

ROOF SLOPES FORM 2:12 TO 4:12, UNDERLATMENT SHALL BE A MINIMUM
TWO LAYERS APPLIED AS FOLLOWS:

STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLATMENT SHALL BE
APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO
STAY IN PLACE. ATMENT SHALL BE A MINIMUM

3. CONNECT PLYWOOD DIAPHRAGM TO STRUCTURE WITH IØd GALY. NAILS, SPACED AT 6" O.C. MAX. AT SUPPORTED EDGES AND AT 6" O.C. ALONG THE INTERMEDIATE SUPPORTS.

PLYWOOD ROOF DECKING SHALL BE 19/32" MINIMUM THICKNESS, CDX TYPE ID SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, WITH FACE GRAIN RPENDICULAR TO THE SUPPORTS.

ROOF DIAPHRAGM SHALL COMPLY WITH THE DESIGN RECOMMENDATIONS "A.P.A. DESIGN/CONSTRUCTION GUIDE - DIAPHRAGMS" AND THE LOCAL ILDING CODE.

. INSPECTIONS: COMPLY WITH THE LOCAL BUILDING CODE AND OTHER EQUIREMENTS FOR INSPECTIONS (BY THE COUNTY, CITY, ARCHITECT OR NGINEER) OF SPECIFIED COMPONENTS OF THE ROOF STRUCTURE REQUIRING ISPECTIONS.

OTE! FER TO SHEET F.! FOR GENERAL STRUCTURA! FORMATIONAL NOTES AND DESIGN CRITERIA

STEEL BEARING ON STEEL TO BE WELDED THERETO.

YPLICE LOCATIONS TO BE REVIEWED BY ARCHITECT/ENGINEER

ILL CONNECTIONS TO BE FIELD AND SHOP WELDED AND

VALLEYS:

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S
INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY
LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

I. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE
AT LEAST IS WIDE AND OF ANY OF THE CORROSION RESISTANT METALS
IN FBC TABLE ISOT3.9.2.

2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE IS
INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.

3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
I. BOTH TYPES I AND 2 ABOVE, COMBINED.

2. OME PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND
COMPLYING WITH ASTM D 224.

3. SPECIALTY UNDERLATMENT AT LEAST 36 INCHES WIDE 4 COMPLYING
WITH ASTM D 1970.

General Roofing NOTES:

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS. ELF-ADHERING POLYMER MODIFIED BITUMEN SHEET: ELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1910. OFT: PHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 ? GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT REQUIRED. PHALT SHINGLES; PHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTER D COMPLY WITH ASTM D 225 OR ASTM D 3462. TAMKO ROOFING
PRODUCTS

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 50 AR
HERITAGE 50 AR NOTE !!! WEATHER MAX
SLATELINE
GRAND CANYON
GRAND SEQUOIA
COUNTRY MANSION
COUNTRY ESTALES
TIMBERLINE SELECT 4
TIMBERLINE SELECT 4
SENTINEL MANUFACURERS AND MODELS:

GAF REQUIRED
NAILS/SHINGLE = 4 ELK REQUIRED
NAILS/SHINGLE = 4

\* = 5 NAILS

• = 6 NAILS

RAISED PROFILE \*
PRESTIQUE 135 °
PRESTIQUE 1 35 °
PRESTIQUE 1 0 °
PRESTIQUE 6 GALLERY COLLECT CAPSTONE °

ISS DESIGNER ENGINEER SHALL INDICATE THE NET WIND
REACTIONS FOR EACH TRUSS AND GIRDER TRUSS, EACH TRUSS SHALL
RAPPED TO THE SUPPORT WITH A HURRICANE STRAP (AS PER DETAIL ON
THE SIZE OF STRAP AND AMOUNT OF NAILS SHALL BE SELECTED BASED
WPLIFT DATA OF THE STRAP AND THE TRUSS SHOP DRAWINGS.

29 MAY 2020 SHEET NUMBER DATE













