FIRST FLOOR PLAN

SHEET | OF 4

79 PONCHARTRAIN ST.

ADDRESS

FUQUAY VARINA, NORTH CAROLINA

BUILDER: FAMILY BUILDING COMPANY

DESIGNER: DESIGNER COMPANY NAME

SPECTRA ENGINEERING AND DESIGN, PLLC
P.O. BOX 37625
RALEIGH, NORTH CAROLINA 27627
TEL:: (919) 228-2841
LICENSE NO. NC: P-0946 VA:

DATE: JUNE 17, 2022

SCALE: 1/8" = 1'-0"

DRAWN BY: JBW

ENGINEERED BY: JBW

REVIEWED BY: TSZ



2) WALL BRACING DESIGN AS PER THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION.

MONOSLAB FOUNDATION PLAN

SEAL O33754
ORINEER SOME
6/17/2022



79 PONCHARTRAIN ST. DESIGNER COMPANY NAME SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 FAX: X N.C. LICENSE NO. P-0946

DATE: JUNE 17, 2022 SCALE: 1/8" = 1'-0"

DRAWN BY: JBW ENGINEERED BY: JBW REVIEWED BY: TSZ

Jasmine Rd_Dauphine plan_6-22.dwg, 6/17/2022 10:12:10 AM, _AutoCAD PDF (General Doc

SLAB

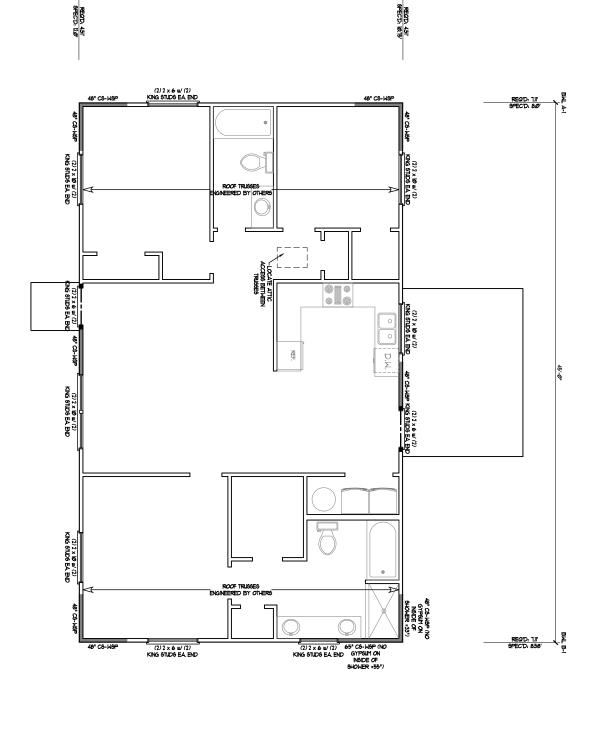
FUQUAY VARINA, NORTH CAROLINA FAMILY BUILDING COMPANY

79 PONCHARTRAIN ST. FUQUAY VARINA, NORTH CAROLINA FAMILY BUILDING COMPANY DESIGNER COMPANY NAME

SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 FAX: X N.C. LICENSE NO. P-0946

DATE: JUNE 17, 2022 SCALE: 1/8" = 1'-0"

DRAWN BY: JBW ENGINEERED BY: JBW REVIEWED BY: TSZ



2) WALL BRACING DESIGN AS PER THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION.

STRUCTURAL NOTES.

DRETER TO STANDARD STRUCTURAL NOTES AND WALL BRACING DETAILS PAGES FOR ADDITIONAL STRUCTURAL INFORMATION.

SEAL O33754

ORESSION WILLIAM O33754

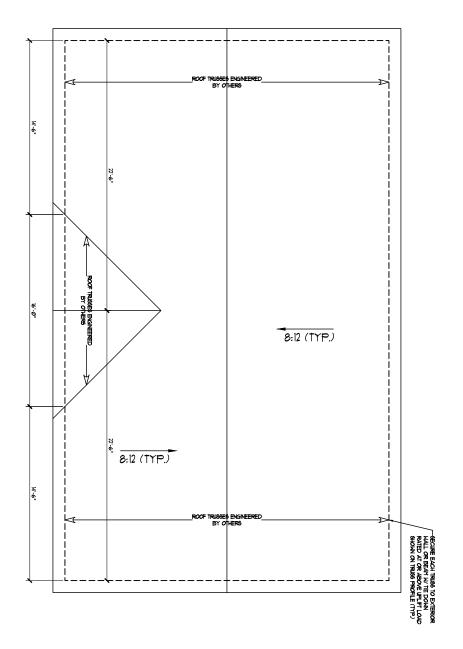
OBJECT OF STATE OF

Jasmine Rd_Dauphine plan_6-22.dwg, 6/17/2022 10:12:15 AM, _AutoCAD PDF (General Doc

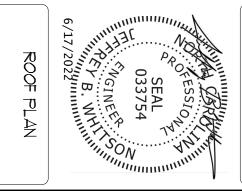
읶

STRUCTURAL NOTES.

I) REFER TO STANDARD STRUCTURAL NOTES AND MALL BRACHS DETAILS PAGES FOR ADDITIONAL STRUCTURAL NOTES AND MALL STRUCTURAL NOTES AND ADDITIONAL PROCESSORY AS PER THE INTERNATIONAL RESIDENTIAL CODE, 10% EDITION



ATTIC JERT CALCILLATION.
275 SOR FT, OF ATTIC DIVIDED BY 800
REGURES 81 SOR FT, MINHAT OF TOTAL NET
PRETE PSTILLATING AREA.
BET SECTION 198662 OF THE NORC, 2008
EDITION 1009, ALTERNATIVES AND
DICEPTIONS.



79 PONCHARTRAIN ST.
FUQUAY VARINA, NORTH CAROLINA
FAMILY BUILDING COMPANY
DESIGNER COMPANY NAME

SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 FAX: X N.C. LICENSE NO. P-0946

DATE: JUNE 17, 2022

SCALE: 1/8" = 1'-0"

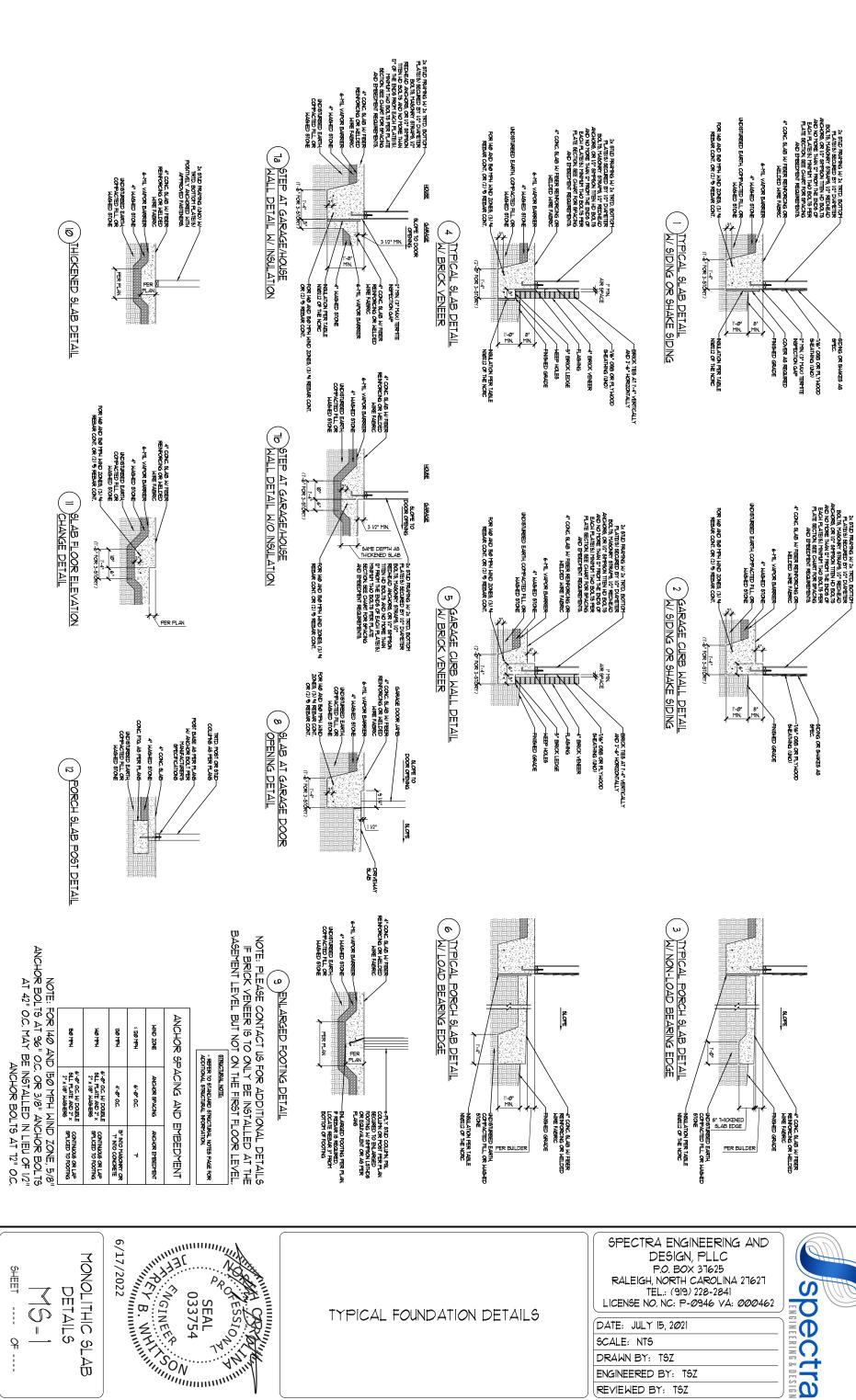
DRAWN BY: JBW

ENGINEERED BY: JBW

REVIEWED BY: TSZ



C:\Users\Jeffrey\Spectra Engineering and Design\Spectra Engineering - Documents\CAD\Builders\Family Building Company\Lot 29 Jasmine Rd\Lot 38 Jasmine Rd_Dauphine plan_6-22.dwg_6/17/2022 10:12:20 AM__AutoCAD PDF (General Doc



C:\Users\Jeffrey\Spectra Engineering and Design\Spectra Engineering ndation details_2012-2-18.dwg, 7/15/2021 11:32:03 AM, _AutoCAD PDF (General Doc

TEL.: (919) 228-2841 LICENSE NO. NC: P-0946 VA: 000462

DATE: JULY 15, 2021

DRAWN BY: TSZ

ENGINEERED BY: TSZ REVIEWED BY: TSZ

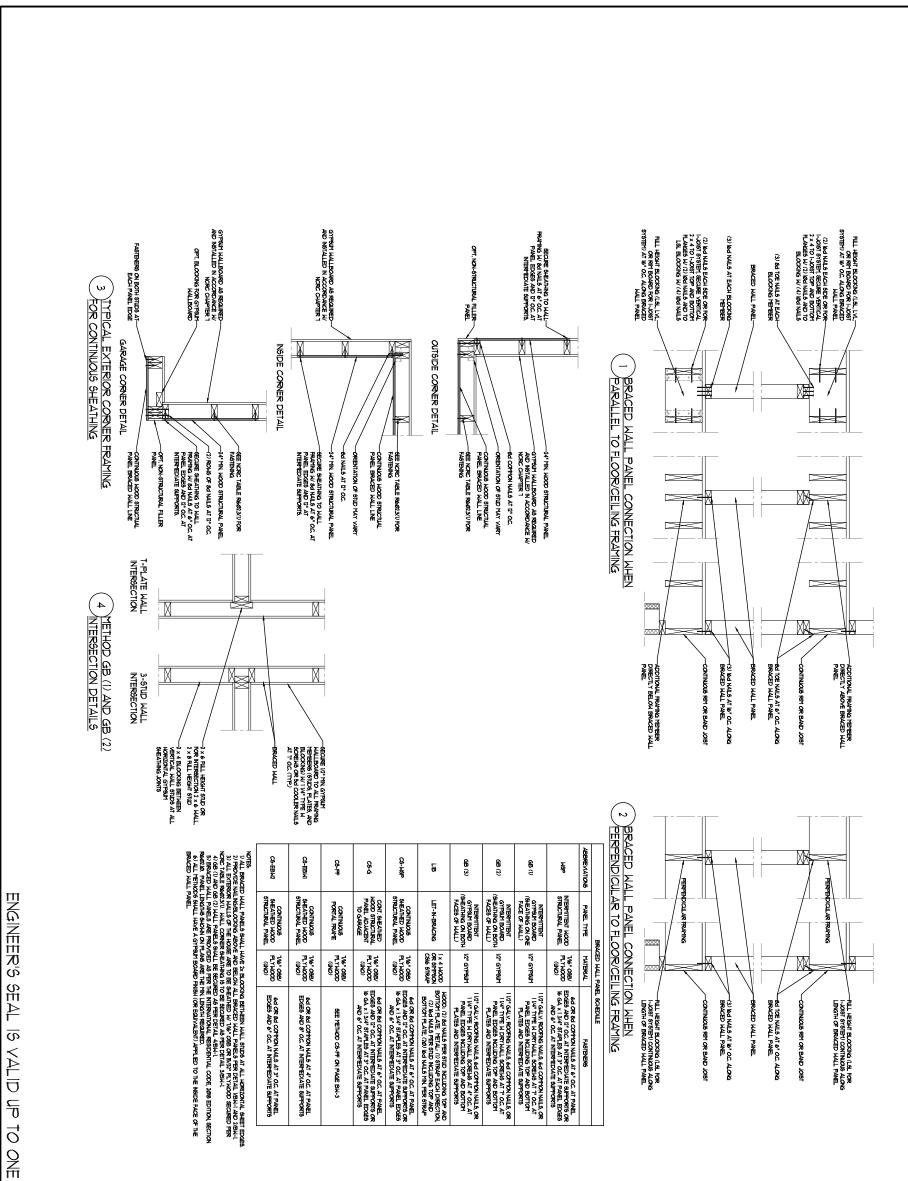
SCALE: NTS

TYPICAL FOUNDATION DETAILS

DETAILS

. W

읶



AM BLA

 $\frac{1}{2}$

DATE

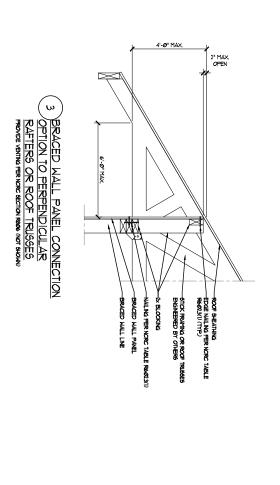
WILLIAM B WALLING WGINEER COMMINION B. WHITTHINGS IN THE COMMINION OF THE C

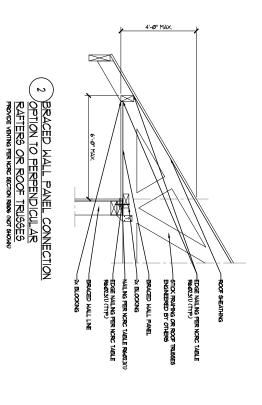
SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL:: (919) 228-2841 LICENSE NO. NC: P-0946 VA: 000462

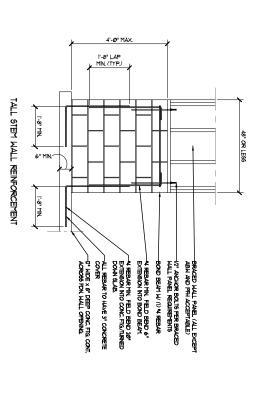
DATE: JULY 15, 2021

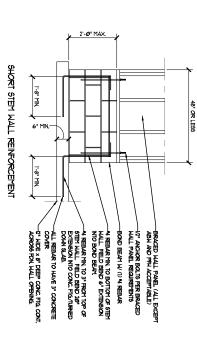
DRAWN BY: TSZ ENGINEERED BY: TSZ REVIEWED BY: TSZ

WALL BRACING DETAILS





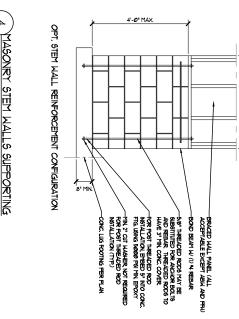




2" MAX. OPEN

-BOLID BLOCKING BETWEEN RAFTERS ATTACHED TO TOP PLATES W/ 8d NAILS AT 6" OC. ALONG LENGTH OF BRACED WALL PAVEL

BRACED WALL PANEL CONNECTION
TO PERPENDICULAR RAFTERS



48" OR LESS

4 MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS

SEAL SEAL DAY OF S

WALL BRACING DETAILS

SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 LICENSE NO. NC: P-0946 VA: 000462

DATE: JULY 15, 2021

DRAWN BY: TSZ ENGINEERED BY: TSZ REVIEWED BY: TSZ



<u>STRUCTURAL DESIGN</u> - STRUCTURAL DESIGN AS PER NCRC, INCLUDING CHAPTER 45 FOR CONSTRUCTION IN 130, 140, AND 150 MPH WIND ZONES. DESIGN LOADS ARE AS FOLLOWS.

MIND LOAD (BASED ON "WALL AND ROOF CLADE TABLE, MIND ZONE, MEAN ROOF HEIGHT AND EXPOSURE)	SNOW	STAIRS	SLEEPING ROOMS	ROOMS OTHER THAN SLEEPING ROOMS	PASSENGER VEHICLE GARAGES	GUARDRAILS AND HANDRAILS	FIRE ESCAPES	EXTERIOR BALCONIES	DECK5	ATTIC MITHOUT STORAGE	ATTIC WITH LIMITED STORAGE		5	CONSTRUCT ON IN 18, 18, 18, 18, 18, 18, 18, 18, 18, 18,
ND EXPOR	ĕ	ð	8	ð	8	9	ð	8	ð	6	ĕ	Î	LIVE LOAD	
(BASED ON "WALL AND ROOF CLADDING DESIGN LOADS" MEAN ROOF HEIGHT AND EXPOSURE)	L/36Ø	L/36Ø	L/36Ø	L/36Ø	L/36Ø	L/36Ø	L/36Ø	L/360	L/36Ø	L/36Ø	L/24 0	Ê	DEFLECTION	o. Thought tout of the to rotte

- STICK FRAMED SYSTEMS ARE DESIGNED WITH 10 PSF DEAD LOAD. - I-JOIST SYSTEMS ARE DESIGNED WITH 12 PSF DEAD LOAD. - FLOOR TRUBS SYSTEMS ARE DESIGNED WITH 15 PSF DEAD LOAD.

<u>HIGH WND ZONES</u> - CONSTRUCTION N 130, 140, AND 150 MMH WND ZONES SHALL BE N ACCORDANCE WITH CHAPTER 45 OF THE NORC, CONSTRUCTION N THE COASTAL AND FLOOD PLANS SHALL BE N ACCORDANCE WITH CHAPTER 46 OF THE NORC,

CONCRETE ROUTING AND SLAB PREPARATION - FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA MITHIN THE PREVIETER OF THE BUILDING ENVELOPE SHALL HAVE RESTATION, VIOP SOIL AND ROPEGIAN INTERNAL MEMOLED, THIL INTERNAL MEMOLE BE RESE OF RESERVATION AND POREIGN NATIONAL THE FILL SHALL BE COMPACTED TO ASSURE UNFORM SHIPPORT OF THE SLAB AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NO EXCEED 24" FOR CLEAN SHAD OR GRAVEL, OR DESCRIPTION OF CLEAN SHAP OR GRAVEL, OR CRUSHED BLAST-RUPACE SLAG PASSING A" SHE'R SHALL BE FLACED ON THE PREPARED SHEARACH HAVEN THE SLAB BELON (GRAVE). A BASE COURSE IS NOT RECUIRED WHEN A CONCRETE SLAB IS NOTALLED ON HELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSRED AS CONCRETE SLAB IS NOTALLED ON HELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSRED AS CONCRETE SLAB IS NOTALLED ON HELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSRED AS CONCRETE SLAB IS NOTALLED SOIL CLASSREDATION SYSTEM NECONOMINE SOILS CLASSRED AS CONCRETE SLAB IS NOTALLED SOIL CLASSREDATION SYSTEM NECONOMINE SOILS CLASSRED AS CONCRETE SLAB IS AT OR BELON MATER TABLE.

<u>801. BEARNIA CAPACITY</u> - THE ALLOWABLE MINIMIAY BEARNIA CAPACITY FOR 8011. 16 ASSUMED TO BE 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARNIA CAPACITY 16 NOT ACHIEVED.

CONCRETE SHALL CONFORM TO SECTION RADIZ OF THE NORC. CONCRETE RENFORCING STIELL TO DEE ASTIM AGES GRADE 662. MELLIDED MIRE PLAGRET OF EASTIM AGES, TAMATIAN A MINIMUM CONCRETE CAMER AGOUND RENFORCING STIELL OF 3" IN CONCRETE MALLS, CONCRETE COMER FOR RENFORCING STIELL REASHED FROM THE INSIDE FACE OF THE MALL SHALL NOT BE LESS THAN 3/4". CONCRETE COMER FOR RENFORCING STIEL TEASHED FROM THE MALL SHALL NOT BE LESS THAN 3/4". CONCRETE COMER FOR RENFORCING STIEL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 3/4". CONCRETE COMER FOR RENFORCING STIEL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL NOT BE LESS THAN 1/2" FOR STIELL TEASHERD FROM THE MALL SHALL SHAL

CONCRETE CONTROLLONITS - IF APPLICABLE, CONTROLLONITS ARE TO BE SAMED TO A DEPTH OF 27% OF SLAD THICKNESS MITHIN 4 TO IZ HOUSE OF CONCRETE PRISHING. CONTROLLONITS SHOULD BE SPACED NO FORE THAN IT 2" A PAPET AND SECTIONS SHOULD BE RECTANGULAR MITH SIDE RATICS NO GREATER THAN IS LONG TO I MIDE.

MABONEY - MASONEY UNITS TO CONFORM TO ACE 530/ASCE 5/M/6 402. MORTAR SHALL CONFORM TO ASTM C270. REINFORCING STEEL TO BE ASTM A615 GRADE 60.

REDAR LAP SPLICES - RENFORCEMENT SHALL BE THE LOXGEST LEXGTHS PRACTICAL OR BE LAP SPLICED 30" MINIMAN FOR "4 REBAR, 38" MINIMAN FOR "5 REBAR, 48" MINIMAN FOR "6 REBAR, OR THE STALLER BAR 48 FER FIGURE R60854(!) OF THE STALLER BAR 48 FER FIGURE R60854(!) OF THE

CONCRETE AND MASCARY FOUNDATION MALLS - ALL CONCRETE AND MASCARY FOUNDATION MALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH JITE PROVISIONS OF SECTION, MACAPA OF THE NICKO OR IN ACCORDANCE MITH ACI 38, ACI 33, NOTA TRESS A OR ACE 53/0/ACE SITTIS 402, MASCARY FOUNDATION MALLS ARE TO BE REINFORCED FER TABLE ARMALITY DISCUSH RAWALLY) OF THE NICKO. CONCRETE FOUNDATION MALLS ARE TO BE REINFORCED FER TABLE RAWALLY) THROUGH RAWALLYS OF THE NICKO. SIETH CONCRETE FOUNDATION MALLS ARE TO CONCRETE FOUNDATION MALLS ARE TO CONCRETE FOUNDATION MALLS ARE TO CONCRETE FOUNDATION MALLS TO 2 X 6 FRAMED MALLS AT 16° OC. WHERE GRADE FERMITS (MIO).

PERSON, LIHEN STRUCTURAL CLAY TILE HOLLOW CONCRETE MASONEY NITES AFER LEAST DIPENSION, LIHEN STRUCTURAL CLAY TILE HOLLOW CONCRETE MASONEY NITES ARE LIBED FOR 1804. IED PIERS TO SUPPORT BEARS AND GIRDERS, THE CELLLULAR SPACES SHALL BE FILLED SOLIDLY MITH CONCRETE OR TIPE MY OR S THORTAR EXCEPT URILLED HOLLOW PIERS MY BE USED IF THEIR USUPPORTED HEIGHT IS NOT MYORE THAN BOUR THES THEIR LEAST DIPENSION, HOLLOW PIERS SHALL BE CLAPPED MITH 4" OF SOLID MASONEY OR CONCRETE FOR OR STORY AND 8" OF SOLID MASONEY OR CONCRETE FOR THAN 8" OF SOLID MASONEY OR CONCRETE FOR OR SHEAL HAVE CANTES OF THE TOP CONCRETE INTO STORY AND THO AND ONE-HALF STORY OR SHALL HAVE CANTES OF THE TOP CONCRETE INTO STORY AND THO AND ONE-HALF STORY OR SHALL HAVE SHADED OR NOTICE PIERS ARE TO BE FILLED SOLID MITH CONCRETE OR GROUT OR OTHER APPROVED METHOD.

PERIGINDER LOCATION - THE CENTER OF EACH PIER \$HALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF EACH PIER.

EXIDENDATION ANCHORAGE - FOR 15, 126, AND 150 MPH WIND 2045, THE WOOD SOLE PLATE AT EXTEROR WALLS ON PROVIDING SULPS, WOOD SOLE PLATES OF BRACED WALL PARELS AT BUILDING INTEROSE ON PROVIDING SULPS, WOOD SOLE PLATES OF BRACED WALL PARELS AT BUILDING INTEROSE ON PROVIDING SULPS, AND ALL WOOD SILL PLATES SHALL BE ACCORRED TO THE FOLKED AND WALL PARELS AT BUILDING SULPS SHACED A FAXAMIN OF 6-6° FOLK AND SOLE OF THE WOOD TO THE WALL BE ATTEMPT OF THE CORNER THERE SHALL BE AT INMITINF OF THE WOOD SHALL BE ATTEMPT OF THE WOOD SHALL SHALL BE ACCADED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE. INTERIOR BELANG WALL SOLE PLATES ON PROVIDING SLAB FOUNDATIONS NOT PART OF A BRACED WALL PAREL SHALL BE ASSISTED AND SHAPE SH

BY SAMERSED LIMBER - LAMINATED VENERE LIMBER (1.Y.) SHALL HAVE THE FOLLOWING MINIMAY PROPERTIES. BY 1800 PSI, BY 1805 PSI, E 18000000 PSI, LAMINATED STRAND LIMBER (18.) SHALL HAVE THE POLLOWING MINIMAY PROPERTIES. BY 1275 PSI, BY 1875 PSI, E 1800000 PSI, PARALLEL STRAND LIMBER (PSI,) UP TO TY DEPTH SHALL HAVE THE FOLLOWING MINIMAY PROPERTIES. BY 1874 DILMBER (PSI,) THORE THAN TY PROPERTIES. BY 1800 PSI, E 18000000 PSI, PARALLEL STRAND LIMBER (PSI,) THORE THAN TY DEPTH SHALL HAVE THE FOLLOWING THINMAY PROPERTIES. BY 1900 PSI, E 100000000 PSI, DEPTH SHALL HAVE THE POLLOWING THINMAY PROPERTIES. BY 1900 PSI, E 100000000 PSI, DEPTH SHALL HAVE THE POLLOWING THINMAY PROPERTIES. BY 1900 PSI, E 100000000 PSI, DEPTH SHALL HAVE THE POLLOWING THE MANUFACTURER'S SPECIFICATIONS.

STEEL BEAMS - ALL STRUCTURAL STEEL SHALL DE ASTM ASS. STEEL BEAMS SHALL DE SUPPORTED AT EACH DO WITH A MINIMAM BEARNS LENGTH OF 3 10" AND BLL FLAWSE WIDTH (NAV). PROVIDE SOLID BEARNS ARROY DEAM SHAPORT TO PROMOATION. DEAMS SHALL BE ATTACHED TO BEAM SHAPORT WITH THO LAS SOREMS (10" DIAMETER X 4" LOAS). LATERAL SUPPORT 16 CONSIDERED ADEQUATE PROVIDED THE JOSIS ARE TOE MILED TO THE EX-MULER ON TOP OF THE STEEL BEAM, AND THE X MALLER G SECARDED OTHE BEAM FLAWSE OR THE TOP OF THE STEEL BEAM IS NOTATION OF THE TOP OF THE JOSIS.

PONT LOADS - SQUARES DENOTE FOINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE FOINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.

MAIL BRACING - BRACED WALL PAYELS SHALL BE CONSTRUCTED ACCORDING TO SECTION R602.0
OF THE INTERNATIONAL RESIDENTIAL CODE, 2005 EDITION. THE LENGTH OF BRACING IN EACH BRACED WALL LINE SHALL COPTETY WITH TABLE R602.003(1) OR R602.003(2) OF THE INTERNATIONAL RESIDENTIAL CODE, 2005 EDITION, WHICHEVER IS GREATER, RETER TO WALL BRACING DETAILS WHEN PROVIDED.

ERACED WALL PARELS LOCATED AT EXTERIOR WALLS SUPPORTING RAFTERS OR ROOF TRUSSES, NCLUDING STORIES BELION TOP STORY, SHALL BE CONSTRUCTED TO RESIST IPLIENT FORCES CONTINUOUS FROM ROOF TO FOUNDATION. ENTERIOR SHEATHING SHALD EXCENTERIOR SHEATHING SHALD RECOVER BADY BY LAPPING ONTO OR ACROSS BAND, WHERE EXTERIOR SHEATHING IS NOTATIONAL JOINT SPLICE AT THE TOP AND/OR BOTTOM OF THE FLOOR BANDS, SECURE EXTERIOR SHEATHING AND/OR BAND ACROSS SPLICE AT THE BRACED WALL PARELS WITH SIPPSON LITPA FRAMING FLATES AT 24" OC MAX OR SIMPSON CSIS COIL STRAFES AT 49" OC MAX (TWO STRAFES MIN FER BRACED WALL PANEL) LAPPING THE WALL FRAMING HAVE NOT THE MAY IN MINISTRAFES AT MINI

ROOF MEMBER SUPPORT - FOR STICK TRAYED ROOFS: CIRCLES DENOTE (3) 2×4 POSTS FOR ROOF MEMBER SUPPORT.

 \underline{HP} SPLICES - HP SPLICES ARE TO BE SPACED A MINIMAL OF 8"-0". FASTEN MEMBERS WITH THREE ROWS OF IZA NALLS AT 16" O.C.

ENERGY ETFICIENCY - ENERGY ETFICIENCY COMPLIANCE TO BE IN ACCORDANCE WITH CHAPTER II OF THE NORC. THE BUILDING THERMAL ENVELOPE SHALL MEET THE REQUIREMENTS OF TABLE NIMBLE BASED ON THE CLIMATE ZONE SPECIFIED.

NIND ZONE AND CLIMATE ZONE BY COUNTY

notes_2018 NCRC.dwg, 7/15/2021 1:47:22 PM, _AutoCAD PDF (General Doc

BEAM BEARNA: ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO BEARNAG WALL ARE TO BEAR RALLY ON (1) JACK OR (2) SINDS MINIMAY OR THE NUMBER OF JACKS OR SINDS MOTED. ALL BEAMS OR GIRDER TRUSSES FREPENDIOLLAR TO WALL AND SUPPORTED BY (1) SINDS OR BEAR RALLY ON JALL BEAMS (1) MAIL BEAMS (1) MAIL BEAMS (1) MAIL BEAMS OR GIRDER TRUSSES FREPENDIOLLAR TO WALL AND SUPPORTED BY MORE THAN (3) SINDS OR OTHER NOTED COLLINN ARE TO BEAR RALLY ON SUPPORT COLLINN NOR BINNER WALL DETH (1) MO). BEAM BUT NO ONE ANOTHER ARE TO EACH BEAR BOALL LENGTHS (NO).

SITEL FUICH PLAITE BEAY - STEEL FUTCH PLAITE BEAYS SHALL BE BOLTED TOGETHER USING 1/2"
DAYTETER BOLTS (ASIM ASOT) HITH ANSHERS PLACED AT THEOLOED BUD OF BOLT. BOLTS SHALL
BE SPACED AT 3" CENTERS (HAWATHY), AND STAGGERED AT TOF AND BOTTOM OF BEAY (2" EDGE
DISTANCE), HITH (2) BOLTS LOCATED 6" FROM EACH BND (NAO).

L<u>NOST/TRUSS LAYOUTS</u> - ALL I-NOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENSINEER OF RECORD PRIOR TO INSTALLATION.

IPLET CONECTIONS - SECURE ALL RAFTERS TO EXTERIOR WALL OR SUPPORTING BEAM WITH SIPPSON 1425A HARRICANE THE EQUIVALENT CONECTION CONFORMING TO THE NORCE, SECURE EACH ROY FIRESO TO EXTERIOR WALL OR SUPPORTING BEAM WITH LIFT CONNECTOR RATED AT OR ABOVE UPLIFT LOAD SHOWN ON TRUSS PROFILE. NOTALL ALL RAFTERROXY TRUSS-TO-HALL CONNECTORS DIRECTLY TO WALL FRAMING HARCH EXTERIOR SHEATHING. HARCE CONNECTORS ARE NOTALLED TO NOBDE FACE OF TOOP ELATES NOTALL UPLIFT CONNECTOR SECURNG FACE TO THE MALL STUD.

SECURE ALL BEAYS SUPPORTING ROOF TRUSSES OR RAFTERS TO THEIR RESPECTIVE BEARING SUPPORT MEMBERS WITH (1) SIMPSON CSIG STRAIP FER CONNECTION LAPPING IA" MIN ONTO EACH FRAMING MEMBER OR (2) SIMPSON MISS TIMES STRAIPS (TYP. UNLESS NOTED OTHERWISE.)

-SHR DESIGNATES "SPECIAL MONTAIN REGION"
--JHC DESIGNATES "MARTHLHID COUNT"

1. IZO THAL ZONE LIEST OF HIMY TI, ISO PHAL ZONE EAST OF HIMY TI,

1. IZO THAL ZONE LIEST OF HIMY TI, ISO PHAL ZONE EAST OF HIMY TI,

1. IZO THAL ZONE LIEST OF HIMY TI, ISO PHAL ZONE EAST OF HIMY TI, ISO

THAL ZONE ON BALD HEAD ISLAND.

1. IZO THAL ZONE LIEST OF HIMY TI, ISO PHAL ZONE EAST OF HIS

2. IZO THAL ZONE LIEST OF HIS ROUTE 264, MO THAL ZONE EAST OF HIS

2. IZO THAL ZONE LIEST OF HIS ROUTE 264, MO THAL ZONE EAST OF HIS

ROUTE 264.

MALLS PARALLEL TO MOSTS - PROVIDE DOUBLE JOIST NODER ALL MALLS PARALLEL TO FLOOR JOISTS. DOUBLE JOISTS SEPARATED TO FERRIT THE RISTALLATION OF PRINS OF WISHS SHALL BE RILL DEFTH SOLID BLOCKED, INTIL LINEBER NOT LESS THAY "SPACED NOT HORE THAN 4"-6" DC. PROVIDE SUPPORT INDER ALL MALLS PARALLEL TO FLOOR TRUSSES OR 1-JOISTS FER MALFACTIRERS SPECIFICATIONS. INSTALL BOACKING BETHERN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.

MATERMAY.

"I MO MPH ZONE IN THE TOWNSHIP OF TOPSAIL MEST OF THE INTRACOASTAL MATERMAY, ISO MPH ZONE EAST OF THE INTRACOASTAL MATERMAY, ISO MPH ZONE IN THE REMANDER OF THE COUNTY.

3, 100 MPH ZONE MEST OF HAY 17, 180 MPH ZONE EAST OF HAY 17, 170 THE 180 MPH ZONE EAST OF HAY 17 170 THE MTRACOASTAL MATERIALY. BO MPH ZONE EAST OF THE NTRACOASTAL MATERIALY.

ERICK SUPPORT: - FOR ALL HEADERS SUPPORTING BRICK VIDIEER THAT ARE LESS THAN 8"-0" N
LENGTH, REST A 6" x 4" x 50" STEEL, AYGLE WITH 4" "NIM"M PREDIMENT AT SUBJE FOR BRICK
SUPPORT: FOR ALL HEADERS & 0" AND GREATER N LENGTH, DQ1 T A 6" x 4" x 50" STEEL, AYGLE
TO HEADER WITH 10" LAG SOREMS AT 1" O.C. STAGGERED FOR BRICK SUPPORT: FOR ALL BRICK
SUPPORT AT ROOF, LINES, BOLT A 6" x 4" x 50" STEEL, AYGLE TO 2" x 00 BLOCKING INSTALLED
BETHERN MALL STUDIOS WITH 10" LAG SOREMS AT 1" O.C. STAGGERED AND IN ACCORDANCE WITH
SECTION RT03822 OF THE 2008 KCRC.

DORTER PRAINE - FRAME DORMER MALLS ON TOP OF DOUBLE OR TRIPLE RAFIERS AS SHOWN (MC). RAME DORMER MALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" OC. BETWEEN ADJACENT ROOF RUSSES. SITCK FRAME DORTER-FRAMED ROOF SECTIONS MITH 2 x 8 RIDGES, 2 x 6 RAFIERS AT 16" OC. AND FLAT 2 x 16 VALLETS (INO.)

DECAS - ALL DECK FRAMMS, LATERAL BRACING GUARDRAIL CONTROLTION, ATTACHTEN TO THE HOUSE STRUCTURE AND THE CONNECTIONS WITHIN THE DECK FRAMING ARE TO COPPLY WITH APPEIDIX HT OF THE KURG.

A R-VALLES ARE MINIMAYS, U-FACTORS AND SHACE ARE MAXIMAS, UHEALTION IS NESTALLED IN A CANTIT WHICH IS LESS THAN THE LAPEL OF THE INSULLATION HIS NESTALLED RALLED FALLES FOR THE INSULATION HIS NESTALLED RALLED FALLES FOR THE INSULATION HIS RESIDENTIAL HE RECEIVED IN THE INSULATION HAPTLES TO ALL CALATED HEASTHATION.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATED SHEATHING ON THE INTERIOR OF THE EASTHEN MALL OR CRAIM SPACE MALL.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATED SHEATHING ON THE INTERIOR OF THE EASTHEN MALL OR CRAIM SPACE MALL.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATED SHEATHING AN THE INTERIOR OF THE EASTHEN MALL OR CRAIM SPACE MALL.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATED SHEATHING AN THE INTERIOR OF THE EASTHEN MALL OR CRAIM SPACE MALL.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATED SHEATHING AN THE ROTTING OF THE EASTHEN MALL OR CRAIM SPACE MALL.

C. 100/B1 PEANS R. AD CONTINUOUS INSULATION SHALL DES CONTINUOUS INSULATION SHALL DE CALATIN SHEATHING CONTINUOUS INSULATION SHALL DE CALATIN SHEATHING SHALL BE ADENDED TO THE EXTENCE SHEATHING SHALL BE ADENDED TO THE CONTINUOUS INSULATION SHALL DE CALATIN SHEATHING SHALL BE SHEATHING SHALL BE SHEATHING SHALL BE SHEATHING SHALL BE SHEATHING CONTINUOUS INSULATION SHALL BE SHEATHING SHALL BE SHEATHING CONTINUOUS INSULATION SHALL BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING CONTINUOUS INSULATION SHALL BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATHING SHALL BE SHEATHING BOOK BE SHEATH

HENESTRATION SKYLIGHT HENESTRATION CEILING RATE WALL

HENCTOR® 1 HACTOR SHGC R.VALUE® R.VALUE® R.VALUE®

MASS BASEMENT SLAB WALL R-VALUE R-VALUE AND DEPTH

5/13^f

0

NOULATION AND PENESTRATION REQUIREMENTS BY COMPONENTS

035

055

<u>035</u> 055 939 看 10/13 10/13 12/ é é <u>@</u>/9 5/3 5/3

WHEN I THE SECOND R-VALUE APPLIES WHEN YORE THAN HALF THE NISLATION OR IS ON THE INTEROR OF THE YASS MALL.

RESIDING TO THE ENEMPTION IN SECTION NIBO23, A MAXIMAN OF THO SEALEST HANNIS A ULFACTOR NO GREATER THAN 825 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN OF THAN 625 SHALL BE PERFOTTION IN SECTION NIBO23, A MAXIMAN CODE COMPILIANT REDESTRATION PRODUCT ASSETTABLES WITHOUT FEALTH.

COPPLIANT REDESTRATION PRODUCT ASSETTABLES WITHOUT FEALTH.

OR IRAN 925 SHALL BE PERFOT TO SATIST THE CELLING NIBULATION OF THAN 100 SHALL BE PERFOT TO SATIST THE CRUMMAN OF THAN 100 SHALL BE PERFOT TO SATIST THE CRUMMAN OF THAN 100 SHALL THO PLATE AT THE FACION OF THE NIBULATION DETECTOR OF THE NILL TOP PLATE AT THE FACION BATHE OR NIBULATION UNITED BOX THE THAN 110 PHACE THE SPACE IS LIMITED BY THE PITCH OF THE ROOT FERSON THERE THE SALL ATION HATHE FILL THE SPACE IN THE PITCH OF THE ROOT FERSON THERE ARE MALL ATION DETHE OR NITHER THE SHALL S 3, A MAXIMIM OF THO SI ALLIFACTOR NO SITURED FOR MINIMIN ES MITHOUT PENALTY.
3, A MAXIMIM OF THO A SAFEC NO GREATER FOR MINIMIM CODE FOR MINIMIM CODE NOUT PENALTY.
NSULATION
NSULATION
NSULATION
NSULATION BAFILE OR NEURAL OR SAFE SAFES.

MATHER A SOLUTION OF THE PROPERTY OF THE PROPE

		1300 / 33	SAMPSON	4
#6 ^		15/4		9/3
5		15/3	NAMON AND AND AND AND AND AND AND AND AND AN	14
35 ^	Ş	15/4	ROCKINGHAM	ن
300	\$		ROBESON S	0/140/3
		120/3	RICHOND	9/3
٤>		16 / 3	RANDOLPH	0/1300 / 3
4 0 ^		15/4	尽	9/3
3		1300 / 3	3	0 / 3-MHC
ر د کود	ŧ	15/4	PERSON	4
% -	;	1300 / 3	PERQUIMANS	14
(130/140/150 / 3-WHC	PENDER	9/3
		1300 / 3	PASQUOTANK	14
\$		140/3	PAMLICO	4
200		15/4	ORANGE	14
25.	8	130/140/150 / 3-WHC	ONSLOW!	14
- -	;	15/4	NORTHAMPTON	0/3-MHC
í		140/150 / 3-WHC	NEW HANOVER'S	0/3
		15/4	NASH	14
÷ 4		_	TOOR H	- - - - -
35 < h			MONIGOMERY	4
	8	SYTR / 5	子 日 日 日 日	対/4
3 2		16 / 3	MECKLENBURG	9/150 / 3-WHC
ŝ		15/4	MCDOMETT MCDOMETT	0/140/3
4 0		120/130 / 3	TARTNO	9/130/4
35 ^			TACON	70/5
8	ਰਾਂ	15/4	LINCOLN	₹ 0
<u>\$</u>		1300 / 3	FENOR	- 'w
â		16/4	Ħ	₹ 7 / 5*
1	3	140/3	ONTES	14
18	Ž		OTISTON	/4
픎	₽ E	CLIMATE ZONE	COUNTY COUNTY	MATE ZONE
			•	

ACTUAL IS / 6	HAM IB/		RANDOLPH II5 / 3	POLK	PERSON 115 / 4	ANS 130/3	PASCUOTANK 130 / 3 PASCUOTANK 130 / 3	PAMLICO 140/3		ONGLOW.		HANOVER	MOORE 15/3	MONTGOMERY 115 / 3	MICHELL SM	ন ল	F 	MADISON SMR / 4		LNCOLN 15/4		140	ONE COUNTY CHMATE ZONE JOHNSTON 120 / 3	
		Š				<u> </u>				130					120							Î	ZONE U]
40 ^ h ^ 4	35 < h < 4	30 ^ h ^ 3	ŝø	40 ^ h ^ 4	35 < h < 4	3Ø < h < 3	ŝ	40 ^ h ^ 4	30 \ n \ 4	25 / 6 / 4/	30 ^ h ^ 34	ŝ	40 ^ h ^ 4	35 ^ n ^ 4	1	30 (2.	ŝ	40 < h < 4	35 < h < 44	3Ø < h < 3	ŝ	HEIGHI (F	70 A	1

5	CLIMATE ZONE BY COUNTY	Þ		WALL AN	WALL AND ROOF CLADDING DESIGN I (POSITIVE AND NEGATIVE PSF)	DDING DESI	€ 5
		IE ZONE	A E	RO AT SA RO	7 E	ROOF CLADDING (PSF) B	3
	JONES OFFICE OFFICE OFFICE OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFF	140/3	(MPH)	HEIGHT (FT)	Ø < X < 2.5		۱,
	Ħ,	15/4		ŝ	100360	100. 330	ള
	E CENT	130/3		30 ^h ^ 35	105, -37 <i>8</i>	105, -34.T	띯
	TACOL LINGS	4 4	ਰ	35 ^ h ^ 40	10.9, -39.2	10.9, -36.0	푷
	MADISON	STR / 4		40 ^ h ^ 45	112, -403	112, -370	吾
	ACDOMET I	15/4		ŝø	Ø.E- ,@@I	100. 360	4.2
ਨੋ	MECKLENBURG		3	30 ^h ^ 35	105, -410	105, -365	49
	MONIGONERY	デオン で イン	20	35 < h < 40	109, -425	109, -3T.9	<u>25</u>
	HOOR!	B / 3		40 ^ h ^ 45	112, -43.7	112, -39,0	5.9
	NEW HANOVER'S	140/500 / 3- WHC		ŝ	100, -460	105, -430	2
	NORTHAMPTON			30° h < 35	105, -483	11.0, -45.2	귾
	ONSLOW.	130/140/150 / 3-WHC	90	35 < h < 40	109501	11.4, -46.9	8
	PAMLICO	140/3		40 ^h ^ 45	112, -515	118, -482	2
	PASQUOTANK	130 / 3 130 / 3		^ 3Ø	100, 530	122, -49,0	. 75
	PERQUIMANS		5	30 ^ h ^ 35	1,55-	12.8, -51.5	20.4
	PERSON		₹	35 < h < 40	815- '6'M	133, -53.4	211,
	70 E	哥/4·		40 < h < 45	11.2, -59.4	13.1, 54.9	1.12
	RANDOLPH	15/3		ŝ	Ø19- ,el	140, -570	222
		130 / S		30 ^h ^ 35	10.4, -64.1	14.7, -59.9	23.3
	ROCKINGHAM		8	35 ^ h ^ 40	108, -665	B3, -62.I	24.2
	ROWAN			40 ^ h ^ 45	iii -683	5 1 -638	24
	PARTIE PORD	15 / 4 		10 11 17	101, 000		;
	5A 150	30/3					

<u>S</u>	8		TOCH TICH		CLABBIA
₹ ¥	HEIGHT (FT)	£2 > × > Ø	25 < X < T	1 ^ X ^ 12	(PSF)
	œ `	Ø95- 'ØOI	100330	131, -160	14.3, -19.0
i	96 > 4 > 06	81E- '901	105, -34.T	8ગા- 'જદા	150, -200
ē	35 < h < 40	126- '6'M	109, -360	14.3, -∏.4	15.6, -20.T
	40 < h < 45	112, -403	112, -37,0	14.1, -11.9	16, -213
	Ø£ >	Ø66- 'ØGI	Ø95- 'Ø0I	142, -18,0	155, -200
3	9E > 4 > 0E	Ø14- 'GOI	£96- '40	14.9, -18.9	163, -210
ē	35 < h < 40	10.9, -42.5	10.9, -31.9	155, -136	16.9, -21.8
	40 < h < 45	11.2, -43.1	112, -39,0	15.9, -202	114, -22.4
	^ 30	100,-460	105, -430	16.T, -21.Ø	182, -240
Š	3Ø < h < 35	105, -483	11.00, -45.2	115, -22.1	19.1, -25.2
ē	35 < h < 40	1.09- '6:01	11.4, -46.9	182, -22.9	19.8, -26.2
	40 < h < 45	112, -515	11.8, -48.2	18.7, -23.5	20.4, -26.9
	< 3Ø	IØØ, 53Ø	122, -49,0	19.4, -24.0	21.2, -28.Ø
Š	300 < h < 35	ю5, -55.1	12.8, -51.5	20.4, -25.2	223, -29.4
ŧ	35 < h < 40	813- '6'M	13.3, -53.4	2U, -262	231, -305
	40 < h < 45	112, -59.4	13.1, -54.9	21.7, -26.9	23.7, -31.4
	< 3Ø	99, -61Ø	14,0,-51,0	222, -28Ø	243, -32Ø
Š	300 < h < 35	10.4, -64.1	14.1, -59.9	23.3, -29.4	25.5, -33.6
8	35 < h < 40	108, -665	15.3, -62.I	242, -305	26.5, -34.9
	40 ^h ^ 45	III, -683	15.1, -63.8	24.9, -31.4 27.2, -35.8	272, -:

STANDARD STRUCTURAL NOTES

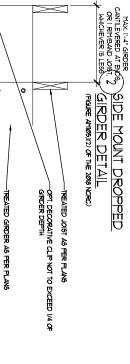
SPECTRA ENGINEERING AND DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 LICENSE NO. NC: P-0946 VA: 000462

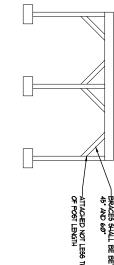
DATE: JULY 15, 2021 SCALE: DRAWN BY: TSZ ENGINEERED BY: TSZ REVIEWED BY: TSZ

17/2022 NDAR TRUCTURAL NOTES



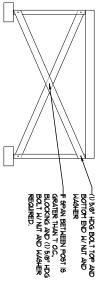






MOOD KNEE BRACING DETAIL (FIGURE AMORALO) OF THE 2008 KCRC)

1) FREE STANDING DECKS REQUIRING BRACING SHALL BE INSTALLED IN BOTH DIRECTIONS OF EACH POST.



CANTILEVERED DROPPED

GIRDER DETAIL

(FIGURE AMI05.(4) OF THE 20/6 NORC)
-CANTILEVERED GIRDER LIMITED TO FLOOR LOADS
ONLY. ROOF LOADS PROMIBITED ON

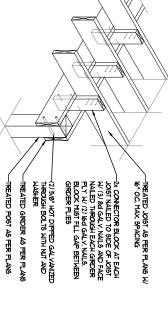
<u>\$14\text{RTALAD\$, AND RISER\$</u> - PER R3117.51 (8 1/4" MAX RISER) AND R3117.52 (9" MIN ITECAD DEFTH). \$14\text{RMAY\$ 36" MIN MIDTH PER R3117.1 (RAIL PROJECTIONS ALLOWED).

<u>QUARDS</u> - AT A 36" MIN HEIGHT REQUIRED IN ACCORDANCE W R3121 W 30" DROP AND OPENING LIMITS PER R31213, TOP RAIL AND POST TO SUPPORT 200 LBS W INFILL TO MEET 50 LBS IN ACCORDANCE W TABLE R3015 AND ROOTNOTES.

6 DIAGONAL VERTICAL CROSS 6 BRACING DETAIL

<u>STAIR HANDRAIL</u> - HEIGHT BETWEEN 34*-38* N ACCORDANCE W/ RBILTAI AND RBIZI. OPENINGS ON SIDE OF STAIRS REGUIRING GHARDS SHALL NOT ALLOW A SPHERE W/ 4 3/8* DIAMETER TO PASS N ACCORDANCE W/ RBIZI3, EXCEPTION 2.

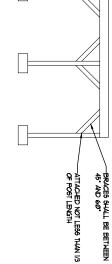
RIGER OPENINGS - 51AIRS W/ A 30" OR MORE VERTICAL RISE MUST HAVE SOLID RISERS OR OPENING RESTRICTED TO PREVENT A 4" DIAMETER SPHERE FROM PASSING PER



4 SPLIT GIRDER DETAIL

HEARE AMOSES OF THE 2008 KCRC)

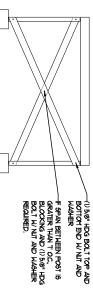
-SPLIT GIRDER LIMITED TO FLOOR LOADS ONLY AND CAMPILLEYER GIRDER BNDS ALLOWED PER FIGURE



2) DECKS ATTACHED TO STRUCTURE REQUIRE DIAGONAL BRACING ONLY AT OUTSIDE GIRDER LINE PARALLEL WITH STRUCTURE.

(2) 5/8" HOT DIPPED GALVANIZED THROUGH BOLT6 WITH NUT AND WASHER

REATED POST AS PER PLANS



(FIGURE AMIØ9.I(4) OF THE 2018 NCRC)

RAIL POSTS - CANNOT EXCEED 8' O.C. SPACING AND SHALL BE ATTACHED W/ (2) 3/8" GALY. BOLTS W/ NIT AND WASHER TO OUTER BANDS.

DECKING - FER AMOI FOR 73 STP AND ATTACHED M/ (2) 8d GALV, NAILS AT EACH JOST OR AMPROVED SCREAS, OFFER MATERIALS FER MANEACTURER'S NISTALLATION BASED UPON JOSTS OR SPACIOL ALTERNATE MATERIAL ATTACHED FER MANEACTURER'S NISTALLATION NISTRUCTIONS.

SCREW FASTENER^d STAGGERED 6" O.C. STAGGERED

<u>(ABLE AMIØ4.K2)</u> BRICK VENEER STRUCTURES

FASTENERS	8' MAX JOIST SPAN ^a	16" MAX, JOIST SPAN®
5/8" HDG BOLTS W/ NUT AND WASHER ⁶	1 e 2'-4" O.C.	@ '-4" O.C.

TETIMOS 3) IF THE DECK BAND IS SUPPORTED BY A TIN OF IZ" MASCARY, LEDGE ALONG THE FOADDATION WALL, SECURE DECK TO STRUCTURE W 5/8" HDG BOLTS W MASHERS SPACED AT 48" O.C. a. ATTACHMENT INTERPOLATION BETWEEN 8' AND 16' JOISTS SPAN IS ALLOWED b. MIN. EDGE DISTANCE FOR BOLTS IS 2 12°

TETHOD 4) JOST HANGERS OR OTHER YEARS OR ATTACHTENT MAY BE CONNECTED TO HOUSE BAND AND SHALL BE PROPERLY FLASHED.

DECK BRACING - AS FER SECTION AFIRDS OF THE 2008 NCRC, THE DECK SHALL BE LATERALLY BRACED AS FER ONE OF THE FOLLOWING:

I) WHEN THE DISTANCE FROM THE TOP OF THE DECK BLOOK TO THE FINISHED GRADE IS LESS THAN 4"-0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION AND ALISTED ABOVE, LATERAL BRACING IS NOT REQUIRED. LATERAL BRACING IS NOT REQUIRED.

BRACING IS NOT REQUIRED FOR PREE STANDING DECKS WITH A DECK FLOOR HEIGHT OF 30" OR LESS ABOVE FINISHED GRADE.

2) 4 x 4 TREATED MOOD INHEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 13 OF THE POST ENTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 5" AND 16" FROM THE HORIZONTAL. INHEE BRACES SHALL BE BRACES THAN 15" OF THE POST AND THE GRODE SHALL BE BRACES THAN 15" OF THE POST AND THE GRODE SHALL BE BRACES THAN 15" AND THE ORDS THAN 15" OF THE POST, AND THE BRACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES THAN 15" OF THE POST AND THE SHACES SHALL BE BRACES SHALL BE BRACES THAN 15" OF THE SHACES SHALL BE BRACES SHALL B

3) FOR FIREE STAIDING DECKS MITHOUT (MEE BRACES OR DIAGONAL BRACHS, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE FOST IN ACCORDANCE MITH TABLE AVIORALS, DECKS ATTACHED TO STRUCTURE CAN ALSO BE BRACED ON EXTERIOR GIRDER LINE AVI ENDEDYENT OPTION.

e v	4 × 4	POST SIZE
120 80 FI	48 5Q FT.	MAX. TRIBUTARY AREA
6 6	4'-@"	MAX. POST HEIGHT [®]
3-6	2'-6"	EMBEDMENT DEPTH
<u>~</u>	ľ- Ø "	CONCRETE DIAMETER

TABLE AMIØ913

a. FROM TOP OF FOOTING TO TOP OF DECKING

4) 2 x 6 DIAGONAL VERTICAL CROSS BRACING MAY BE PROVIDED IN TWO PERPENDICILLAR DIRECTIONS FOR REEE STAMDING DECKS OR FARALLEL TO STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. THE 2 x 6 BE ATTACHED TO THE POSTS W (0) 50° HOG BOLT W NIT AND MASHER AT 6 FEACH BRACING METISER FER DETAIL 6.

5) FOR EMBEDMENT OF PILES IN COASTAL REGIONS, SEE CHAPTER 46.

DECKS ARE TO BE CONSTRUCTED AS PER APPENDIX M OF THE 2018 NORTH RESIDENTIAL CODE (NCRC)

C:\Users\Jeffrey\Spectra Engineering and Design\Spectra Eng

notes_2018 NCRC.dwg, 7/15/2021 1:47:27 PM, _AutoCAD PDF (General

DECK ATTACHMENT . 49 FER RECTION AMBA OF THE 208 NORC, WHEN A DEC BE SHPFORED AT THE STRUCTURE BY ATTACHMENTHE DECK TO THE STRUCTURE SECURE DECK TO STRUCTURE AS FER TABLE AMBA(N), TABLE AMBA(N), THE TETHOD 4 BELOW.

12d COMMON HDG NAILS ^c	AND	5/8" HDG BOLTS W/ NUT AND WASHER ⁶	FASTENERS
2 • 8" O.C.	¥	1 e 3'-6" O.C.	8' MAX JOIST SPAN ⁸
3 9 6" O.C .	₽ U	1 e l'-8" O.C.	16' MAX, JOIST SPAN ^a

A ATTACHENT INTERPOLATION BETWEEN 8' AND 16' LOSITS SPAN 15' ALLOWED, b. MIN EDGE DISTANCE FOR BOJ'S 15' 21'2".

C. MILE SHAP TEMERIJAL THE SUPPORTING STRUCTURE BAND A MIN OF 1 12'.

C. MILE SHAP TEMERIJAL THE SUPPORTING STRUCTURE BAND THE STRUCTURE BAND THE STRUCTURE BAND SHALL HAVE A MINITAL DEFIN OF 11'8". SOREM SHALL BE EN MILLOWS BYOLAN 10' THE STRUCTURE THAD STRUCTURE BAND. THE STRUCTURE BAND SHALL HAVE A MINITAL DEFIN OF 11'8". SOREM SHALL BE POMILLOWS BYOLAND TO TEMER BAND SHALL HAVE A MINITAL DEFIN OF 11'8". SOREM SHALL BE POMILLOWS BYOLAND THE STRUCTURE BAND THE STRUCTURE BAND SHALL BY SOREM SHALL SHAPE LOAD FOR SOTE 10' THE MISTER SHAPE A CORPOSON-RESISTANT FINISH EQUIVALENT TO HOT DIP GALVANIZED. MINITAL STORE DISTANCE FOR SOREMS IS 11'8'. A MANTANTO OF 12" MICK MOOD STRUCTURE DAND.

DESIGN, PLLC P.O. BOX 37625 RALEIGH, NORTH CAROLINA 27627 TEL.: (919) 228-2841 LICENSE NO. NC: P-0946 VA: 000462

SPECTRA ENGINEERING AND

DATE: JULY 15, 2021 SCALE: DRAWN BY: TSZ ENGINEERED BY: TSZ REVIEWED BY: TSZ

JAL JASTA STATE OF THE STATE OF A STANTING

STANDARD STRUCTURAL NOTES