GENERAL NOTES AND SPECIFICAT	IONS	PARAMETERS DESIGN FBC 2020
1. WOOD FRAMING GENERAL:PROVIDE DOUBLE JOISTS UNDER AND PARALLEL TO ALL BEARIN	GS PARTITIONS.	
ALL BOLT HOLES SHALL DE DRILLED 1/32" TO 1/16" OVERSIZE	ED.	WIND DESIGN
 2x12 JOISTS SHALL BE BLOCKED AT THE SUPPORTS AND AT 8 RAFTERS GREATER THAN 10" DEPTHS AT THE SUPPORTS AND A WITH SOLID 2x BLOCKING 2" SHALLOWER THAN JOISTS OR APPF CROSS BRIDGING. WOOD FRAMING MEMBERS: SOUTHERN PINE N°2 UNLESS OTHERW THE DUANS 	FEET O.C. (AND AT 10 FEET O.C.) ROVED METAL WISE MARKED ON	 BASIC WIND SPEED (3-SECOND GUST), MILES PER HOUR = 1 WIND IMPORTANCE FACTOR, I=1.0 AND OCCUPANCY CATEGOR WIND EXPOSURE CATEGORY: C (CASE 1) THE APPLICABLE INTERNAL PRESSURE COEFFICIENT =0.18
 RAFTER TIES SPACED AT 4 FEET (MAX.) ON CENTER ARE REQU ABOVE CEILING JOISTS WHICH ARE NOT PARALLEL TO THE RAFT 	IRED IMMEDIATELY TERS.	BASIS OF DESIGN
JOIST TO SILL OR GIRDER, TOENAIL	3-8d	• DECK DEAD LOAD = 15.0 PSE
BRIDGING TO JOIST, TOENAIL EACH END 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	2-8d 2-8d 3-8d 2-16d 16d @16" o.c. 3-16d per 16"	• DECK LIVE LOAD = 60.0 PSF
TOP PLATE TO STUD, END NAIL STUD TO SOLE PLATE 4–8d, TOENAIL OR	2—16d 2—16d, END NAIL	CONCRETE NOTES
DOUBLE STUDS FACE NAIL DOUBLED TOP PLATES, TYPICAL FACE NAIL	16d @24"o.c. 16d @16"o.c.	CONCRETE FOUNDATION FLOOR SLABS
DOUBLE TOP PLATES, LAP SPLICE BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	8-16d 3-8d	CONCRETE TOONDATION, TEOOR SEADO,
RIM JOIST TO TOP PLATE, TOENAIL TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL CONTINUOUS HEADER, TWO PIECES 16d @ o.c. of CEILING JOISTS TO PLATE, TOENAIL CONTINUOUS HEADER TO STUD, TOENAIL CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL RAFTER TO PLATE, TOENAIL	8d @6" o.c. 2-16d along each edge 3-8d 4-8d 3-16d 3-16d 3-8d	 ALL CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM STRENGTH FOOTINGS AND SLAB-ON-GRADE = 2500 PSI BAR SPLICES IN CONCRETE SHALL BE LAP 40 BAR DIAMETER MAY BE WIRED TOGETHER, UNLESS OTHERWISE NOTED ON PLA
1"x BRACE TO EACH STUD AND PLATE, FACE NAIL 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d 2-8d	ADDITIONAL NOTES
WIDER THAN 1"x8" SHEATHINGS TO EACH BEARING, FACE NAIL BUILT IT-UP CORNER STUDS	3-8d 16d @24" o.c.	• CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND
BUILT-UP GIRDER & BEAMS 20d @32" o.c. AT TOP & BOTTOM &STAGGERED 2"x PLANKS WOOD SHEAR AND DIAPHRAGMS:	2—20d @ ENDS 2—16d@ EACH BEARING	FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMEN INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIE LOCAL COUNTY INSPECTORS AND THE OWNER PRIOR TO THE COM
 COMMON NAILS SHALL BE USED FOR ALL DIAPHRAGMS AND SHEAT <u>ROOF SHEATHING</u>: 1/2" THICK PLYWOOD CDX WITH INDEX 32/16. AT PANELS EDGES, AND 8d NAILS @ 12" o.c. AT PANEL FIELD, ALL 	R WALL NAILING. 8d NAILS @ 6" o.c.	 IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVEST REPORT MAY BE REQUIRED.
 PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL FLOOR SHEATHING: 3/4" THICK PLYWOOD CDX WITH INDEX 32/16. 	MANUFACTURER. USE 10d COMMON	 PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WA PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHOR
 NAILS AT 6 O.C. AND @ PANEL EDGES AND TO O.C. IN THE FIELD AT PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PAN <u>PLYWOOD DIAPHRAGMS</u>: PRODUCT STANDARD PS 1-95, SOUTHERN WATERPROOFING: STUCCO OVER PLYWOOD SHEAR WALL WILL BE W 	. ALLOW 178 SPACING NEL MANUFACTURER. I PINE. VATERPROOFED WITH A	OTHER FASTENING COMPONENTS OF THE SEISMIC FORCE RESISTING SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHER FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER
 MINIMUM OF TWO 15# (GRADE D) UNDERLAYMENTS. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. F PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL 	ACE GRAIN OF . HAVE TONGUE AND	• FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVA WOOD.
GROOVE OR BLOCKED PANELS EDGES. PLYWOOD SPANS SHALL CO 2304.7. WOOD CONSTRUCTION	NFORM WITH TABLE	 FIELD WELDING TO BE DONE BY WELDERS CERTIFIED BY THE LOCA FOR STRUCTURAL STEEL. CONTINUOUS INSPECTION BY A DEPUTY REQUIRED.
1. STRUCTURAL LUMBER SHALL BE GRADE-MARKED SOUTHERN PINE		- SHOP WELDS MUST BE DEPENDINED IN A LOCAL COUNTY LICENSE
RAFTERS 2 TO 4 WIDE UP TO 6 DEEP No 2 TO 4 WIDE, 8" OR LARGER No 2 TO 4 WIDE 6 AND DEEPER No	b. 2 b. 2	FABRICATOR'S SHOP.
BEAMS, PURLINSOVER 4 WIDENoSUB-PURLINS2 TO 4 WIDE, 4 DEEPNoLEDGERSNo	5. 2 5. 1 5. 2	LOCAL COUNTY LICENSED FABRICATOR IS REQUIRED FOR STRUCTU
STUDS2x4 OR 3x4NoSTUDS2x6NoPOSTSNo	b. 2 b. 2 b. 2	 PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. AND FU SMOOTH SHANK PORTION.
2. <u>SILLS OR PLATES BEARING ON CONCRETE OR MASONRY</u> WHIC	CH IS WITHIN 48" OF	• A COPY OF THE LOCAL STATE RESEARCH REPORT AND/OR COND LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.
EARTH SHALL BE PRESSURE TREATED, OR EQUAL, WOOD SIL BOLTED TO THE FOUNDATION WITH 5/8" DIAMETER × 10" BOLT FROM ENDS, OR 2 BOLTS MIN. PER PIECE. WHERE DIFFERENT SIZ ARE REQUIRED, THEY SHALL GOVERN. INSTALL WITH 3"×3"×1, PLATE WASHER AT EACH ANCHOR BOLT. 3 PARALLAM BEAMS MUST BE FABRICATED IN A LOCAL COUNTY LICK	L PLATES SHALL BE S 4'-0" o.c. 12" MIN. ZES AND/OR SPACING /4" (OR 2"x2"x3/16") ENSED SHOP	 HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE AF PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT ANI TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE 2305.5 OF LOCAL STATE BUILDING CODE.
 JOISTS SHALL BE BLOCKED AT SUPPORTS AND BRIDGED OR BL OF 8 FT WHERE JOISTS ARE 2x12 OR DEEPER. JOISTS UNDER NON-BEARING PARTITIONS SHALL BE DOUBLED, EXC 6. LAGBOLTS (& SCREWS) SHALL BE PRE-DRILLED TO SHANK DIAME 	CEPT AS NOTED. ETER AND FULL DEPTH	 ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FOR PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALTONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPAIL CONFORM WITH TABLE 2304.7.
AND SCREWED (NOT DRIVEN) INTO PLACE. 7. CUT WASHERS SHALL BE PLACED UNDER HEADS AND NUTS OF A HEADS OF LAGBOLTS. ONE CUT WASHER SHALL BE USED FOR	ALL BOLTS AND UNDER BOLTS CONNECTING	 ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMC GALVANIZED BOX.
WOOD LEDGERS TO CONCRETE OR MASONRY WALLS. 8. ALL HARDWARE USED FOR WOOD CONNECTION SHALL BE PRODUCTS INSTALL PER MANUEACTURERS RECOMMENDATIONS	SIMPSON STRONG-TIE	• ALL BOLT HOLES SHALL BE DRILLED $ m 1_{32}$ " to $ m 1_{6}$ " oversized.
WILL ONLY BE PERMITTED IF WRITTEN APPROVAL AND ACCEPTA ENGINEER.	ANCE IS OBTAINED BY	HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO F INSPECTION.
 9. ALL LUMBER SHALL HAVE A MUISTURE CONTENT NOT TO EXCEED FABRICATION OR CONSTRUCTION. 10. PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. AND F 	ULL DIA. FOR SMOOTH	
SHANK PORTION. 11. <u>PLACE 2" FIREBLOCKING</u> IN STUD WALLS AT CEILING AND FLOOR HEIGHT OF STUDS, AND BETWEEN STAIR STRINGERS AT SUPPORTS 12. ALL DIAPHRAGMS AND SHEAR NAILING SHALL UTILIZE COMMON	LEVELS, AT EACH 10" NAILS OR GALVANIZED	
BOX.		

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FOUNDATION

PROPOSED FRONT & BACK DECK ADDITION

1723 Boulevard Jacksonville, FL 32206

CODE DATA

PROJECT NAME: PROPOSED FRONT & BACK DECK ADDITION

PROPERTY ADDRESS: 4061 Marianna Rd Jacksonville, FL 32217

32206

CITY:

ZIP CODE:

LOCAL JURISDICTION:

CODE UTILIZED:

2018 INTERNATIONAL **RESIDENCE CODE** 2020 FLORIDA BUILDING CODE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION 2018 (NDS)

SHEET INDEX		REVISION LOG		
S-00 COVER SHEET & GENERAL NOTES		REV NO	DESCRIPTION	DATE
S-01 FOUNDATION & FRAMING PLAN - BACK DECK				
S-02 FOUNDATION & FRAMING PLAN -FRONT DECK				
S-03 TYPICAL DETAILS SHEET 01				



SITE MAP

CONTACT

TWA ENGINEERING & CONSULTING, PLLC 41 Centimeters Dr, Mauldin, SC 29662, USA E-Mail: toufic.awad@twaengineers.com Phone:7867778727

STRUCTURAL ENGINEER

TWA ENGINEERING & CONSULTING, PLLC 41 Centimeters Dr, Mauldin, SC 29662, USA

TWA ENGINEERING 8 CONSULTING, PLLC 41 Centimeters Dr, Mauldin SC 29662

ADDITION 32217 ц ville, DECK Jacks Rd, PROPOSED Marianna 4061 STAMP PROJECT #: DRAWN BY: Project Issue Date **Revision Schedule** Number Description Date SHEET NAME COVER PAGE SHEET NUMBER **S-00**



		
PIER SCHEDULE		
	PIER SIZE PIER DEPTH	
P1 (PIER)	Ø 12"	2' TO 3'
TIMBER POST SCHEDULE		
POST MARK	COLUMN SIZE	
C1	4X4 POST	
	·	
BEAM SCHEDULE		
BEAM MARK SIZE		
B1	(2) 1 3/4" x 9 1/2" LVL	
B2	(2) 2 x 10 DF	
FLOOR JOIST SCHEDULE		
JOIST MARK	SIZE	
BEAM MARK B1 B2 FLOOF JOIST MARK	BEAM SCHEDULE EAM MARK SIZE 1 (2) 1 3/4" x 9 1/2" LVL 2 (2) 2 x 10 DF FLOOR JOIST SCHEDULE DIST MARK SIZE	

GENERAL NOTES

- CONTRACTOR SHALL INSPECT ALL EXISTING VS. PROPOSED CONDITIONS PRIOR TO AND DURING CONSTRUCTION AND NOTIFY DESIGNER OF ANY DISCREPANCIES AND / OR CHANGES THAT MAY BE ENCOUNTERED.
- 2. CONTRACTOR SHALL NOTIFY DESIGNER, IF AT ANY TIME THROUGHOUT CONSTRUCTION ANY EXISTING CONDITIONS ARE FOUND THAT MAY PREVENT THE SUCCESSFUL COMPLETION OF ANY PORTION OF THE PROPOSED BUILDING.
- CONTRACTOR SHALL NOTIFY THE DESIGNER OF SUCH PRIOR TO MAKING ANY ADJUSTMENTS OR ALTERATION TO THE PROPOSED BUILDING AS PRESENTED IN THE FINAL CONSTRUCTION DOCUMENTS.
- 4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY MISSING OR INCORRECT DIMENSIONS OR INCORRECT DIMENSIONS NOT BROUGHT TO THE DESIGNERS ATTENTION.
- STRUCTURAL ENGINEER/ DESIGNER TO PERFORM FRAMING INSPECTION WHEN FRAMING IS COMPLETE AND PRIOR TO ENCLOSURE BY INTERIOR WALL PLASTER BOARD OR FINISH

FRAMINING NOTES

- 1. 2X10 LEDGER BOARD TO BE FLASHED AND (2) 1/2" SDS SCREWS AT EACH STUD (16" O.C.).
- 2. JOISTS TO BE 2X10 PRESSURE TREATED SPURCE PINE FIR. INSTALLED 16" ON CENTER.
- GUARD RAILS TO BE 42" HIGH WITH LESS THAN 4" OPENINGS 3 PER IRC CODE.
- 4. STAIRS TO BE BUILT MAX RISE 7-3/4" MIN RISE 4" IN RUN 10" PER IRC CODE.
- 5. ALL HARDWARE TO BE CORROSION RESISTANT AND INSTALLED PER MANUFACTURERS' INSTRUCTIONS.



ADDITION Ц Jacksoı DECK SED C ROP

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PROJECT #:

DRAWN BY:

Project Issue Date

Revision Schedule Number Description Date

SHEET NAME



SHEET NUMBER









TIMBER POST SCHEDULE		
POST MARK	COLUMN SIZE	
C1 4X4 POST		

BEAM SCHEDULE		
BEAM MARK	SIZE	
B1	(2) 1 3/4" x 9 1/2" LVL	
B2	(2) 2 x 10 DF	

FLOOR JOIST SCHEDULE		
JOIST MARK SIZE		
J2	2 x 8 DF DECK JOISTS @ 16" O.C.	

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PROPOSED DECK ADDITION 4061 Marianna Rd, Jacksonville, FL 32217

STAMP

PROJECT #:

DRAWN BY:

Project Issue Date

Revision ScheduleNumberDescriptionDate

SHEET NAME



SHEET NUMBER

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