

**\*NOTE TO CONTRACTOR/OWNER\***  
 ITS OWNER/CONTRACTOR RESPONSIBILITY TO CALL THE OFFICE AT 409-741-8741 FOR ALL INSPECTIONS

# INSPECTION SHEET

THIS CONSTRUCTION SET MUST BE ON SITE AT TIME OF ALL INSPECTIONS.  
 ADDITIONAL CHARGES MAY OCCUR IF THE CONSTRUCTION SET IS NOT ON SITE AT THE TIME OF ALL INSPECTIONS.  
 INSPECTOR'S SIGNATURE AND DATE:

- FOOTING PRE-POUR - \_\_\_\_\_
- FRAMING INSPECTION - \_\_\_\_\_
- DECKING INSPECTION - \_\_\_\_\_
- SHINGLE INSPECTION - \_\_\_\_\_

RECEIPTS FOR ALL MATERIALS (DOORS, WINDOWS, CLIPS, STRAPS, NAILS, ROOFING MATERIAL, ETC.) SHALL BE PROVIDED TO SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS PRIOR TO CERTIFICATION

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WES RICHARDSON, PE  
 TIM BUCHHEIM, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERFORMING OR CONSTRUCTION UNLESS AN ENGINEERING AND INSPECTIONS IS AFFIXED TO THE DRAWING SET.  
 FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	


**SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS, LLC**  
 (OFFICE) 409-741-8741  
 (WES) 409-795-1415  
 (TIM) 409-795-1181  


8017 HARBORSIDE DRIVE,  
 GALVESTON, TX 77554  
 SOUTHEASTTEXASENGINEERING.COM

ENGINEER STAMP AND SIGNATURE

2-28-17

**NEW CARPORT**  
 GRID ADJUST  
 106 POND AND  
 GALVESTON, TEXAS

TITLE: INSPECTION SHEET

DATE: FEB. 28, 2018

SCALE: NTS

SHEET: 54 OF 8

**GENERAL STRUCTURAL NOTES:**

DESIGN CONDITIONS:  
 DEAD AND LIVE LOADS PER IRC 2012, ASCE7-10  
 WIND CONDITION 150 MPH, 3-SEC GUST (ULTIMATE)  
 EXPOSURE C, IMPORTANCE 1  
 MINIMUM - 2008 IRC, ASCE 7-05, 130 MPH EXP. (3)  
 DECK LIVE LOAD = 40 PSF, DL=10 PSF  
 FLOOR LIVE LOAD = 40 PSF, DL=10 PSF  
 ROOF LIVE LOAD = 20 PSF, DL=10 PSF  
 CEILING LIVE LOAD (LIMITED STORAGE) = 20 PSF  
 CEILING DEAD LOAD = 5 PSF

**SOUTHEAST TEXAS  
 ENGINEERING AND  
 INSPECTIONS IS NOT  
 RESPONSIBLE FOR ANY  
 ELECTRICAL OR PLUMBING  
 ENGINEERING AND  
 INSPECTIONS IS ONLY  
 RESPONSIBLE FOR THE  
 STRUCTURAL ENGINEERING  
 D.M.Y.**

**BRACING LUMBER:**  
 #2 STR OR BETTER, UNDO  
 ALL TOP PLATE AND STUD  
 ALL STUDS MUST BE TIED  
 ALL EXPOSED LUMBER SHALL BE TREATED  
 ALL LUMBER IN DIRECT CONTACT W/ GROUND TO BE TREATED (2,60CA)  
 ALL EXTERIOR STUDS TO BE DOUBLED FOR 1ST 4'-0" WITHIN ALL EXTERIOR CORNERS (2'-0 OR  
 TALLER)

**COMPONENTS AND CLADDING PRESSURES:**  
 WITHIN 4' OF CORNERS - 55 PSF  
 OUTSIDE OF 4' FROM CORNERS - 45 PSF  
 WINDOWS/DOORS W/ GLAZINGS SHALL BE IMPACT  
 RESISTANT OR COVERED WITH AN APPROVED  
 PRODUCT THAT MEETS THE SAME RESISTANCE CRITERIA  
 FLOOR DECKING SHALL BE INSTALLED IN ACCORDANCE WITH 2008 TEXAS WIND PROVISIONS.  
 ALL EXPOSED FASTENERS AND WINDOWS/DOORS/ROOF FASTENERS SHALL BE HDG OR SS

**SEATHING REQUIREMENTS:**

ROOF DECKING SHALL BE 1/2" PLYWOOD  
 4" X 8" NAILING, 100 NAILS (131 DIA.), BLOCKING NOT REQUIRED  
 OVERHANGS  
 3" X 4" NAILING, 100 NAILS (131 DIA.) BLOCKING REQUIRED

**CLIPS AND STRAPS, UNLESS OTHERWISE NOTED:**

PART #2 RODS SHALL BE USED TO TOP PLATE W/ (3) 100 TOE-NAILS (30), THEN  
 (1) 1/2" DIA. CLIP FROM TOP PLATE TO STUD W/ (2) 100 TOE-NAILS (30) OTHER FRAMING  
 CONNECTORS AS SPECIFIED IN THIS DWG SET  
 ALL METAL FRAMING CONNECTORS IN CONTACT WITH TREATED LUMBER MUST BE "Z" TYPE  
 CONSULT MANUFACTURER'S INSTRUCTIONS FOR NAIL SIZES. FILL ALL HOLES UNDO.

**ROOFING MATERIALS:**

ROOFING SHINGLES SHALL BE USED WHICH ARE STATED BY THE MANUFACTURER AS BEING  
 COMPLIANT WITH ASTM D 3761, MODIFIED TO USE A WIND SPEED OF 110 MPH.  
 INSTALLATION SHALL BE PER THE MANUFACTURER'S INSTRUCTIONS, WITH PARTICULAR  
 ATTENTION TO STARTER  
 ATTENTION TO STARTER  
 HAND NAILED APPLICATION IS PREFERABLE

**SPECIAL NOTES:**

- CARE MUST BE TAKEN TO ENSURE NAILS ARE NOT OVER DRIVEN IN SHEATHING, DECKING, SIDING AND  
 SIMILAR APPLICATIONS.
- ALL EXPOSED LUMBER SHALL BE TREATED.
- THE ENGINEER OF RECORD MUST BE CONTACTED WHEN CONFLICTS IN STRUCTURAL REQUIREMENTS ARE  
 IDENTIFIED. THE ENGINEER OF RECORD HAS THE ULTIMATE AUTHORITY IN THE EVENT OF CONFLICTS ARE COMPLETE.
- ALL WOOD BELOW BRE MUST BE FLOOD RESISTANT.
- ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR/OWNER.

NOTE: CONTACT ENGINEER IMMEDIATELY FOR CLARIFICATIONS  
 WHEN CONFLICTING STRUCTURAL REQUIREMENTS  
 ARE DISCOVERED

WINDOW AND DOOR PRESSURE REQUIREMENTS	SIDING AND OTHER MATERIAL PRESSURE REQUIREMENTS
WITHIN 4' OF CORNERS 50 PSF	
FARTHER THAN 4' OF CORNERS 40 PSF	30 PSF

**NAILING SCHEDULE, UNDO ON PLANS  
 (WHICHEVER SUPERSEDES)**

JOINT DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	NAIL SPACING
<b>WALL FRAMING</b>			
Top plate to top plate (face-nailed)	2-10d	2-10d	per 4 inches
Top plates at intersections (face-nailed)	5-10d	5-10d	joint - each side
Stud to stud (face-nailed)	2-10d	2-10d	8" o.c.
Header to header (face-nailed)	2-10d	2-10d	8" o.c. along edges
Top or bottom plate to stud (end-nailed)	3-10d	3-10d	per stud
Bottom plate to floor joist, endpoint, endpoint or blocking (face-nailed)	3-10d	3-10d	per 6"
<b>FLOOR FRAMING</b>			
Joist to sill, top plate or girder (face-nailed)	4-10d	4-10d	per joist
Blocking to joist (face-nailed)	2-10d	2-10d	each end
Blocking to sill or top plate (face-nailed)	2-10d	2-10d	each end
Blocking strip to beam (face-nailed)	3-10d	4-10d	each block
Joist to joist (face-nailed)	3-10d	3-10d	each joist
Band joist to joist (end-nailed)	5-10d	5-10d	per joist
Band joist to sill or top plate (face-nailed)	2-10d	3-10d	6" o.c.
<b>CEILING SHEATHING</b>			
Gypsum wallboard	5d coolers	5d coolers	7"edge/7"field
<b>WALL SHEATHING</b>			
PLYWOOD/OSB	10d	10d	3"edge/7"field
<b>FLOOR SHEATHING</b>			
Structural panels	1" or less greater than 1"	10d 10d	3"edge/7"field 3"edge/7"field
Diagonal board sheathing	1x6" or 1x8" 1x10" or wider	2-10d 2-10d	per support per support
<b>ROOF FRAMING</b>			
Rafter to top plate (face-nailed)	4-10d	4-10d	per rafter
Callling joist to top plate (face-nailed)	4-10d	4-10d	per joist
Callling joist to parallel rafter (face-nailed)	7-10d	7-10d	each lap
Callling joist laps over partition (face-nailed)	7-10d	7-10d	each lap
Collar tie to rafter (face-nailed)	7-10d	7-10d	per tie
Blocking to rafter (face-nailed)	2-10d	2-10d	each end
Rim board to rafter (face-nailed)	5-10d	5-10d	each end
<b>ROOF SHEATHING</b>			
PLYWOOD/OSB	10d	10d	4"edge/7"field
Diagonal board sheathing	1x6" or 1x8" 1x10" or wider	2-10d 2-10d	per support per support

**ALL MEMBERS EXPOSED TO  
 THE WEATHER SHALL BE TREATED.**

**WOOD TREATMENT**  
 WOOD LUMBER AND/OR FLOORING SHALL BE TREATED AFTER INSTALLATION. THE TREATED SURFACE  
 SHALL BE FIELD TREATED WITH COPPER NAILTIMES. THE CONCENTRATION OF WHICH SHALL  
 CONTAIN A MINIMUM OF 0.15% COPPER NAILTIMES. THE TREATMENT SHALL BE APPLIED  
 UNTIL THE WOOD REACHES THE GREEN RESISTIVITY.

**IT'S DIVERGENT CONTRACTOR RESPONSIBILITY TO CHECK WITH LOCAL MUNICIPALITIES FOR MINIMUM  
 EXPRESS REQUIREMENTS FOR WINDUW CLEAR SPAN DRINKINGS. DRINKINGS ON THE DRAWINGS ARE  
 PER DIVERGENT CONTRACTOR RESPONSIBILITY. SEE THESE AND RESPONSIBILITY EXPRESS  
 REQUIREMENTS.**

**WES BUCHHEIM, PE**  
**TIM BUCHHEIM, PE**

THIS DRAWING SET SHALL NOT BE USED FOR  
 PERMITTING OR CONSTRUCTION UNLESS AN  
 APPROVED PROFESSIONAL ENGINEER HAS  
 REVIEWED AND APPROVED AS NOTED

FORM REGISTRATION #13982

NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 ISSUE / REVISION \_\_\_\_\_  
 ORIGINAL RELEASE \_\_\_\_\_

**SOUTHEAST TEXAS  
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 (OFFICE) 409-741-8741  
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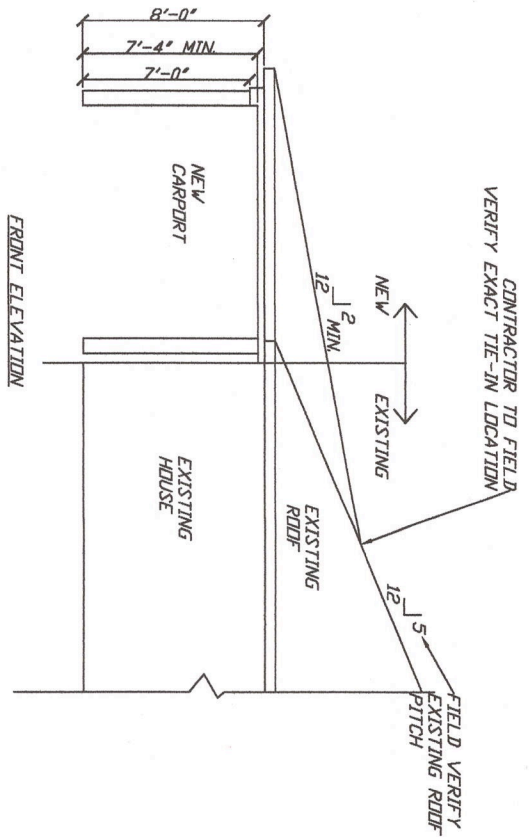
ENGINEER STAMP AND SIGNATURE

**NEW CARBORET**  
**GRAD. ENGINEER**  
**106 RONDANO**  
**GALVESTON, TEXAS**

2-28-17

GENERAL REQUIREMENTS

DATE: FEB. 28, 2018  
 SCALE: NTS  
 SHEET: 52 OF 8



VES RICHARDSON, PE  
TIM RICHARDSON, PE

THIS DRAWING SET SHALL NOT BE USED FOR  
PERMITTING OR CONSTRUCTION UNLESS AN  
ENGINEER'S SEAL AND SIGNATURE IS AFFIXED  
FIRM REGISTRATION #139982

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	3-26-14

**SOUTHEAST TEXAS  
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ENGINEER STAMP AND SIGNATURE

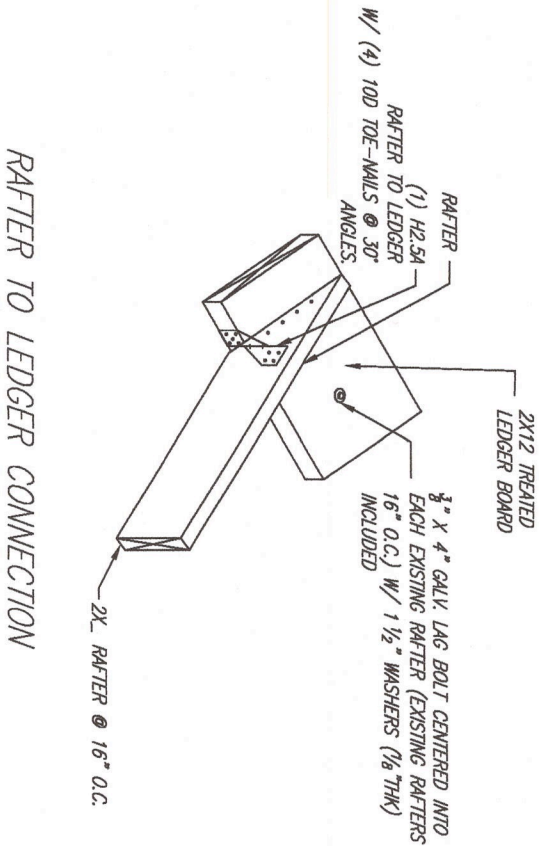
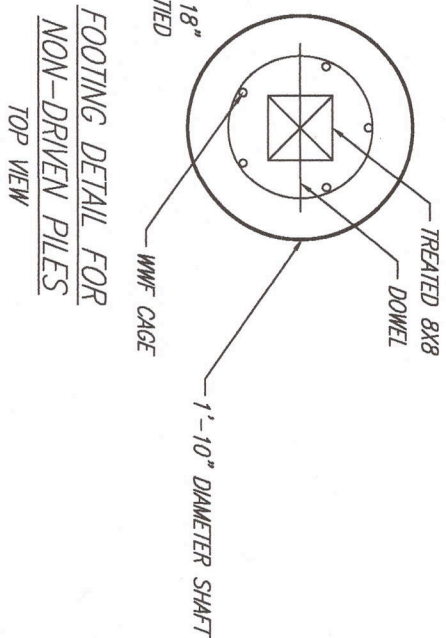
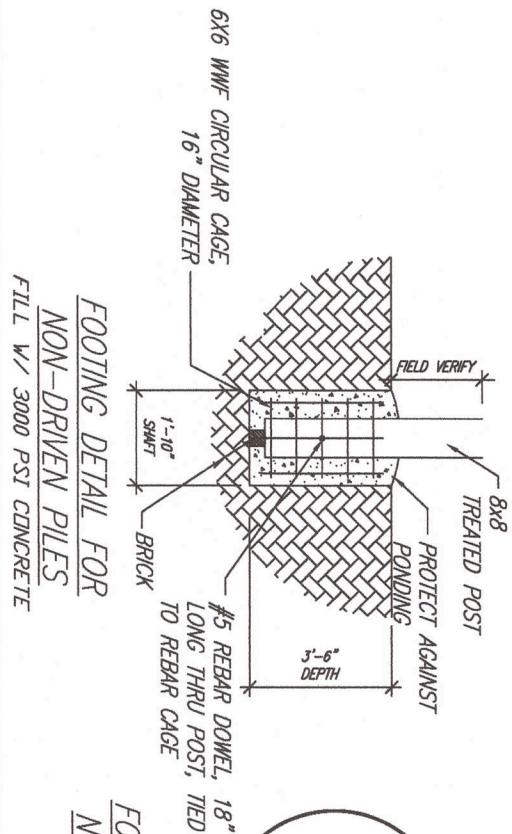
2-28-17

**NEW CARPORT**  
 GRAND JONES  
 JOB NO. 106  
 ROMPANO  
 GALVESTON, TEXAS

DATE: FEB. 28, 2018  
 SCALE: 3/8" = 1'  
 SHEET: S3 OF 8

THICK: FRONT ELEVATION





RAFTER TO LEDGER CONNECTION

WES RUCHSHORN, PE  
TIM RUCHSHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN APPROVED AND MODIFICATIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	2-28-17

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ENGINEER STAMP AND SIGNATURE

2-28-17

NEW CARBORET  
CERD RIVARS

106 POMPAHO  
GALVESTON, TEXAS

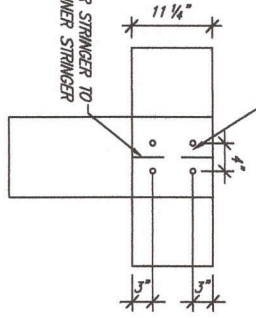
TITLE  
FOOTING/LEDGER  
DETAIL

DATE  
FEB. 28 2018

SCALE  
1/2" = 1'-0"

SHEET  
S4 OF 8

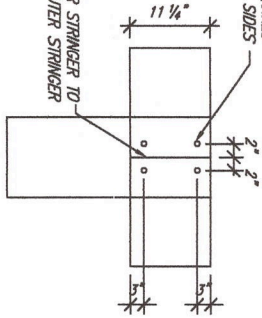
(4) 1/2" GALVANIZED BOLTS, NUTS AND WASHERS REQUIRED ON BOTH SIDES



LAP BREAKPOINT OF OUTER STRINGER TO INNER STRINGER

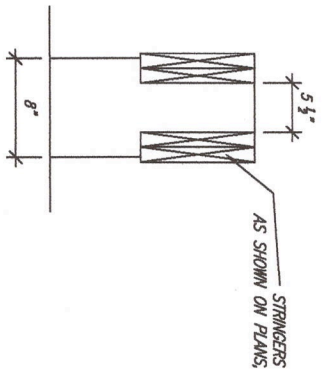
WITHOUT BUTT JOINT

(4) 1/2" GALVANIZED BOLTS, NUTS AND WASHERS REQUIRED ON BOTH SIDES



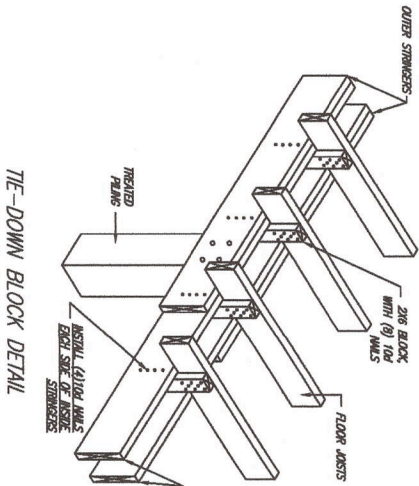
LAP BREAKPOINT OF OUTER STRINGER TO INNER STRINGER

WITH BUTT JOINT  
DO NOT LOCATE MULTIPLE JOINTS AT SAME SIDE OF PILE



AS SHOWN ON PLANS

PILE NOTCH DETAIL



TI-E-DOWN BLOCK DETAIL

STRINGERS INSTALL PROCEDURE:  
INSTALL FIRST THE INSIDE SET OF STRINGERS. INSTALL BLOCKS IN-PLACE, THEN INSTALL SECOND SET OF OUTSIDE STRINGERS.

FOR ANTI-RUNT/PREVENTER: STRINGERS.  
INSTALL (2) 2x6 SPS WOOD SCREWS TO EACH SIDE OF STRINGERS. PENETRATION INTO EACH BLOCK.

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	2-28-17

WEST BUCHHEIM, PE  
TIM BUCHHEIM, PE  
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FIRM REGISTRATION #13882

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ENGINEER STAMP AND SIGNATURE

2-28-17

NEW CARROQUET  
CIVIL ENGINEER

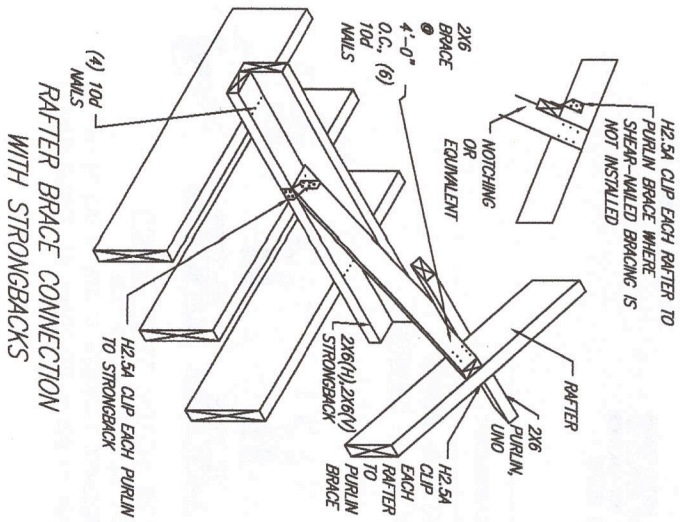
106 PONDIANO  
GALVESTON, TEXAS

TITLE: PILE/STRINGER DETAILS

DATE: FEB. 28, 2018

SCALE: 1/4" = 1'-0"

SHEET: 55 OF 8



TNS DRAWING SET SHALL NOT BE USED FOR  
 CONSTRUCTION UNLESS ALL NOTES AND  
 ENGINEERING SEAL FROM SOUTHWEST TEXAS  
 ENGINEERING AND INSPECTIONS IS ATTACHED  
 FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	3/8/18

**SOUTHEAST TEXAS  
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 GALVESTON, TX 77554  
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ENGINEER'S STAMP AND SIGNATURE

3-28-17

**NEW CARPORT**  
 CHAD JONES  
 106 POMPANO  
 GALVESTON, TEXAS

DATE: FEB. 28, 2018

SCALE: NTS

STRONGBACK DETAIL

38 OF 8