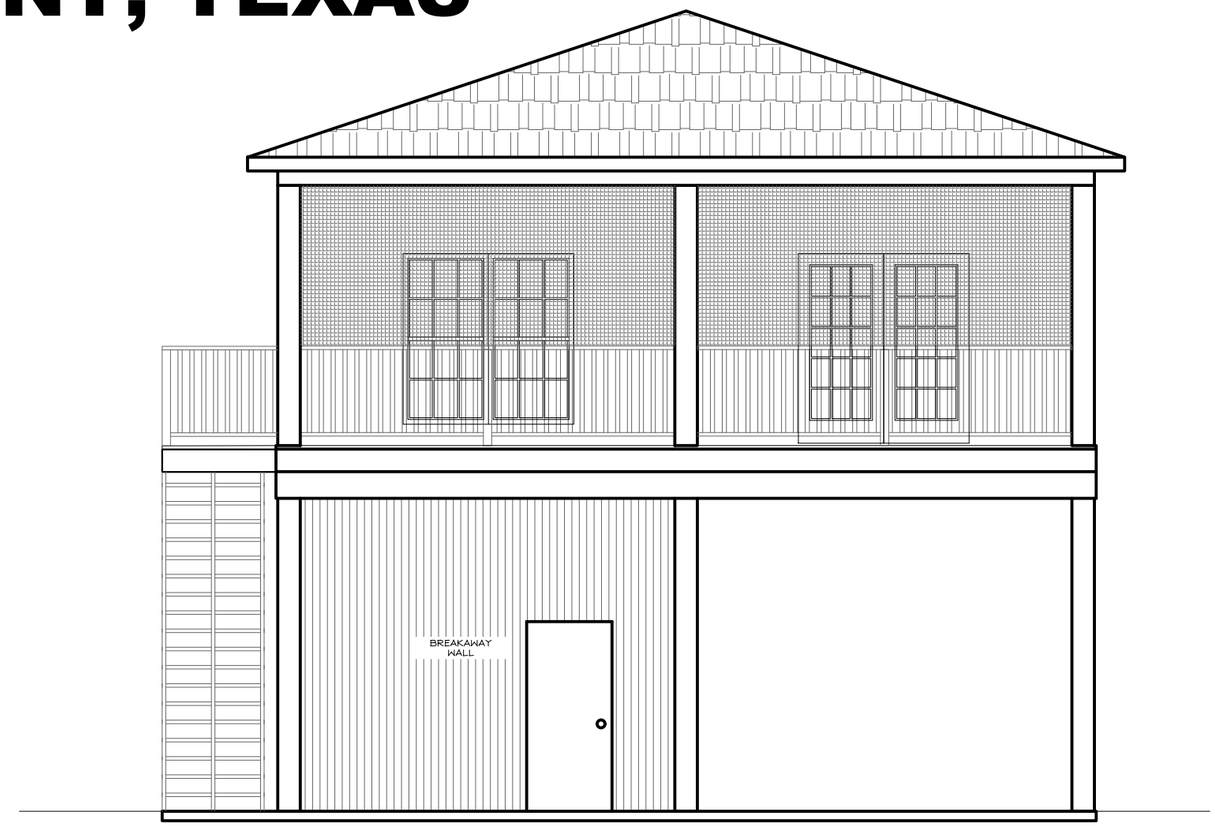
HUBSPOT LINK

VANTELLIGEN REVOCABLE TRUST
WOUT & DEBORAH VANTELLIGAN

1142 CR 230 SARGENT, TEXAS
December 13, 2022



INDEX OF SHEETS

SQUARE FOOTAGE

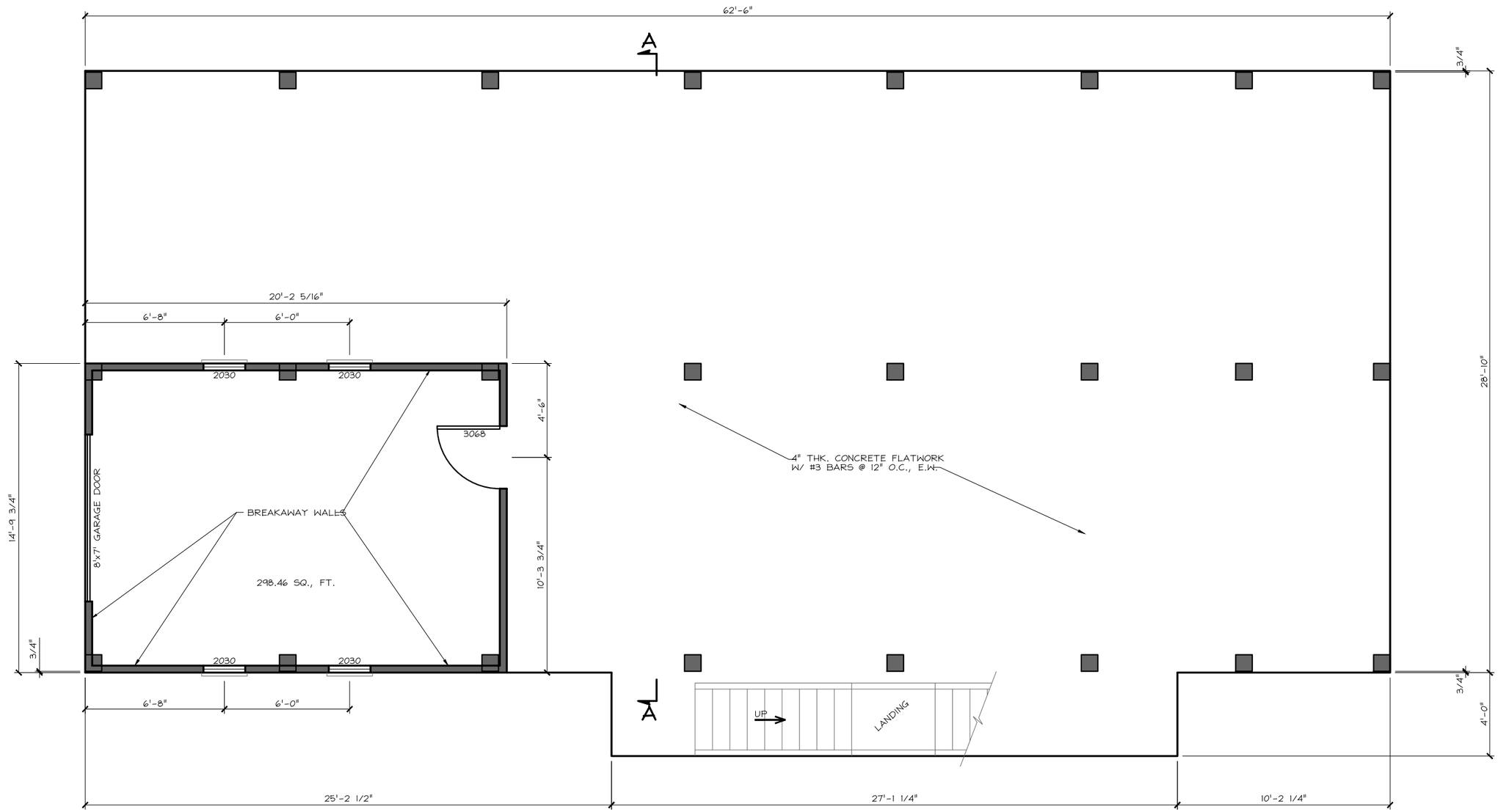
LIVING SPACE	1,398 SQ. FT.
COVERED DECK	404 SQ. FT.
GROUND STORAGE	299 SQ. FT.
TOTAL	2,101 SQ. FT.

JOB No. 41374

STATE OF TEXAS
SAMUEL EDWARD BIRD
116823
LICENSED
PROFESSIONAL ENGINEER

12/13/2022

LYNNENGINEERING
1221 Avenue F
Bay City, Texas 77414
PH: (979) 245-8900
Fax: (979) 245-5345



GROUND LEVEL PLAN

SCALE: 3/16" = 1'-0"

LYNNENGINEERING
1221 AVENUE F
BAY CITY, TEXAS 77414
PH: (979) 245-8900
FAX: (979) 245-5345

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JOB No: 41374
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1142 CR 230 SARGENT, TEXAS

GROUND LEVEL PLAN

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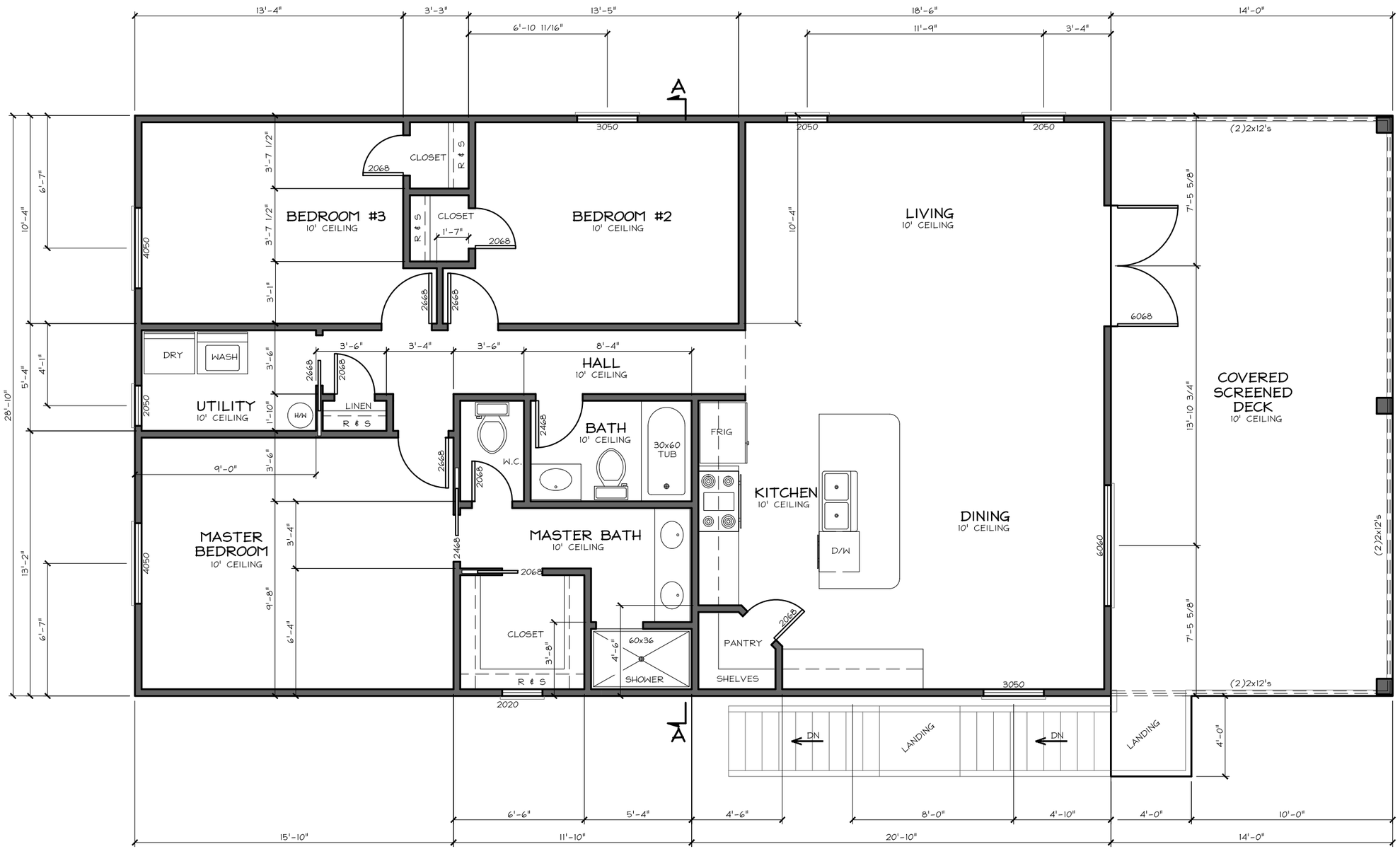

FLOOR PLAN

SCALE: 3/16" = 1'-0"

A 1.02

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FLOOR PLAN

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FRONT ELEVATION

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

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BAY CITY, TEXAS 77414
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FRONT ELEVATION

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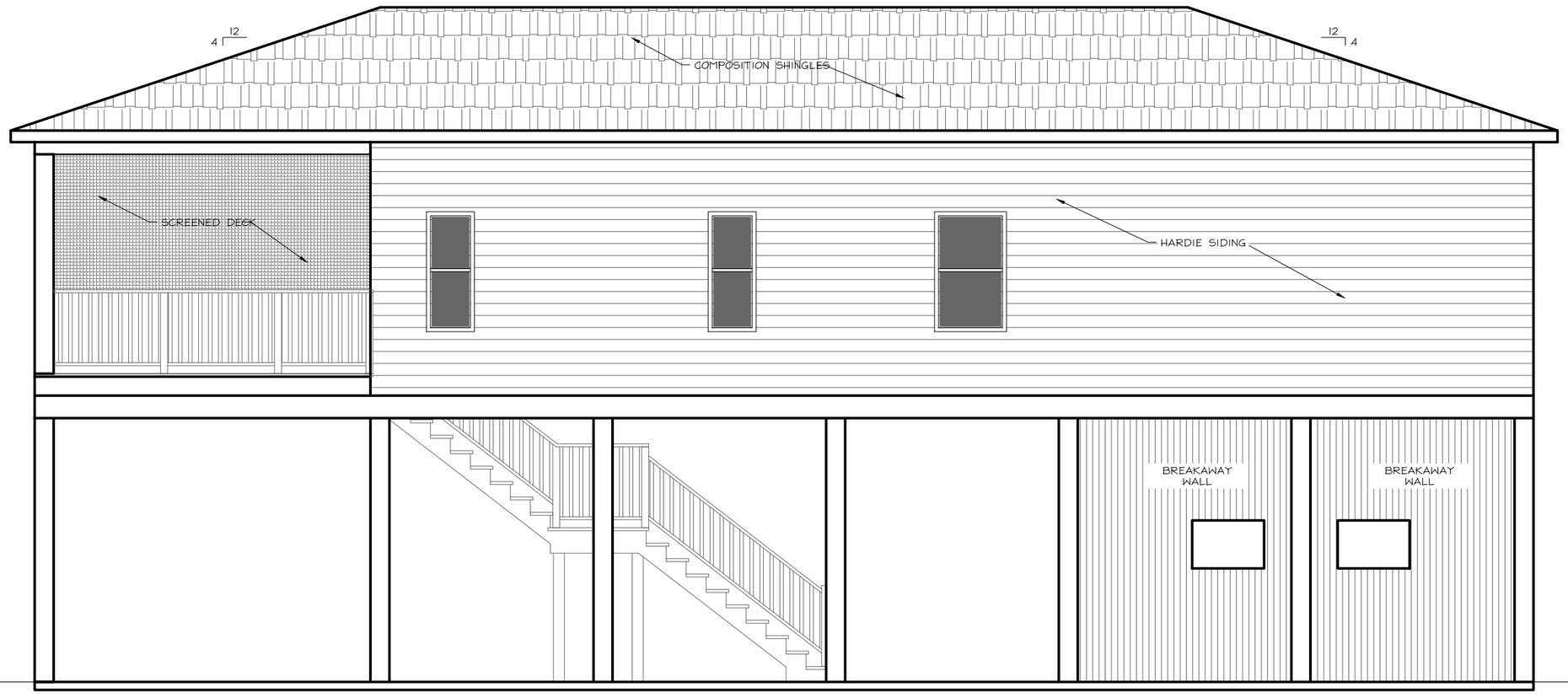

RIGHT ELEVATION

SCALE: 3/16" = 1'-0"

A 2.02

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RIGHT ELEVATION

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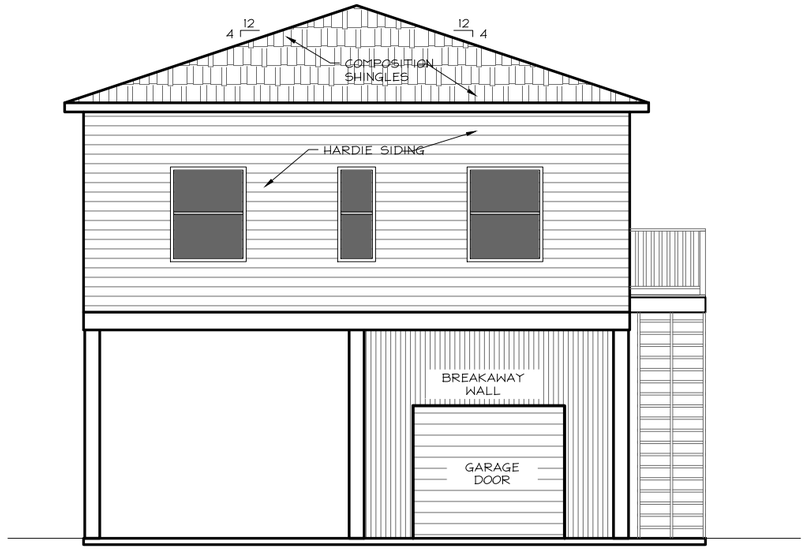
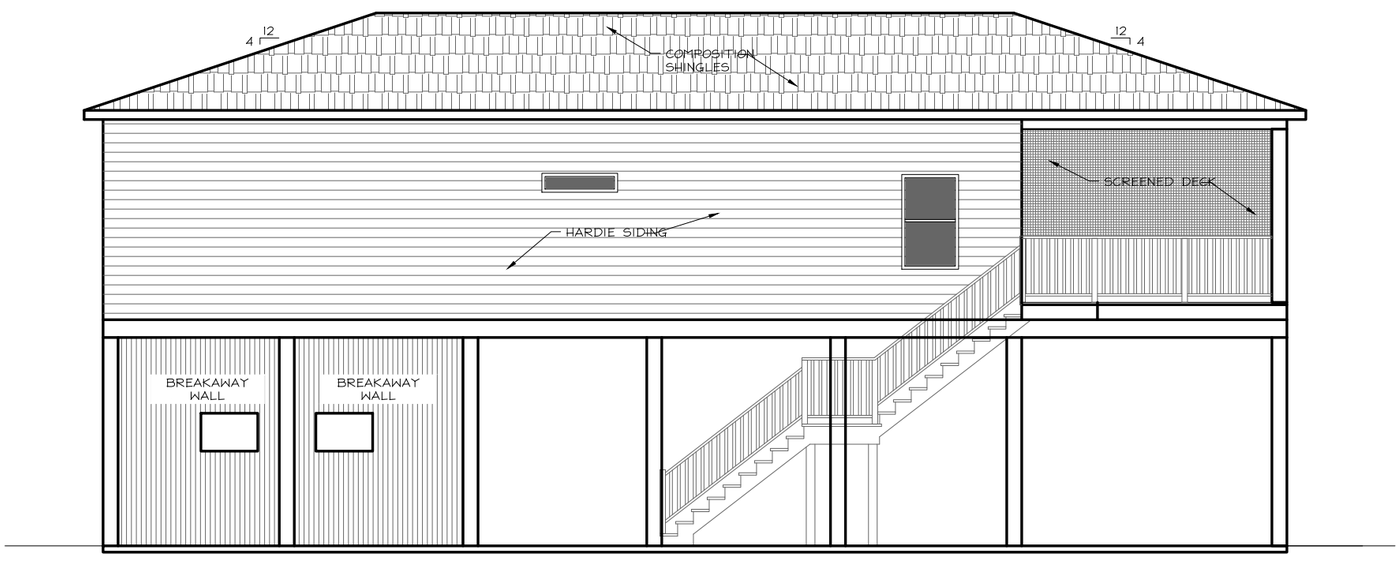


REAR ELEVATION

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



LEFT ELEVATION

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

A 2.03

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BAY CITY, TEXAS 77414
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VANTELLIGEN REVOCABLE TRUST

1142 CR 230 SARGENT, TEXAS

REAR & LEFT ELEVATIONS

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GENERAL NOTES:
1. DESIGN IS PER ASCE 7-16 & IBC 2018

DESIGN LOADS:
1. ROOF LIVE LOAD 20 PSF
2. ROOF DEAD LOAD 10 PSF
3. FLOOR LIVE LOAD 40 PSF
4. FLOOR DEAD LOAD 20 PSF
5. WIND LOAD
 5.1. 150 MPH (3 SECOND GUST)
 5.2. EXPOSURE D
 5.3. BUILDING CATEGORY: II
 5.4. COMPONENTS AND CLADDING
  5.4.1. ZONE 1 -30.09 PSF
  5.4.2. ZONE 2 -66.31 PSF
  5.4.3. ZONE 3 -108.10 PSF
  5.4.4. ZONE 4 -42.46 PSF
  5.4.5. ZONE 5 -52.40 PSF

POST INSTALLED ANCHORS:
1. EXCEPT OTHERWISE NOTED THE FOLLOWING SIMPSON PRODUCTS MAY BE USED.
 1.1. ALL DRILLED AND EPOXIED ANCHOR BOLTS PLACED IN CRACKED OR UNCRACKED CONCRETE SHALL BE THREADED RODS WITH SIMPSON SET-XP EPOXY OR EQUIVALENT.
 1.2. ALL DRILLED AND EPOXIED REBAR PLACED IN CRACKED OR UNCRACKED CONCRETE SHALL BE THREADED RODS WITH SIMPSON SET-XP EPOXY OR EQUIVALENT.

2. INSTALL ANCHORS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO THE EDGE OF CONCRETE. LOCATE ALL ANCHOR BOLTS IN ACCORDANCE WITH DRAWINGS

WOOD FRAMING NOTES:
1. WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.

2. WOOD FRAMING MEMBERS NOMINAL 2X4 AND LARGER SHALL BE MINIMUM SOUTHERN PINE No. 2, DOUGLAS FIR LARCH No. 2 OR EQUIVALENT.

3. WOOD COLUMNS NOMINAL 6X6 AND LARGER SHALL BE MINIMUM SOUTHERN PINE No. 2, DOUGLAS FIR LARCH No. 2 OR EQUIVALENT.

4. ALL FRAMING MEMBERS (STUDS, RAFTERS, CEILING JOISTS, AND FLOOR JOISTS) ARE TO BE 16" ON CENTER U.N.O.

5. ALL THE LOAD BEARING & SHEAR WALLS WITH A FLOOR ABOVE SHALL BE FRAMED WITH A MINIMUM OF 2X6 STUDS AT 16" O.C. AND, SIMILARLY, ALL THE LOAD BEARING & SHEAR WALLS WITH ONLY A ROOF ABOVE SHALL BE FRAMED WITH A MINIMUM OF 2X4 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.

6. ALL EXPOSED WOOD FRAMING AND FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED FOR MOISTURE PROTECTION.

7. GLU-LAMINATED MEMBERS SHALL BE INDUSTRIAL APPEARANCE WITH GRADES AS FOLLOWS:
 7.1. FLEXURAL STRESS: 3000 PSI (2800 PSI for 7" WIDE MEMBERS)
 7.2. HORIZONTAL STRESS: 300 PSI (300 PSI for 7" WIDE MEMBERS)
 7.3. MODULUS OF ELASTICITY: 2.1E

8. PRE-FABRICATED TRUSSES
 8.1. FOR PRE-FABRICATED TRUSSES, FABRICATOR SHALL SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF MEMBER, BRIDGING, BRACING, ERECTION DETAILS, TRUSS PENETRATIONS, AND DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER (TEXAS).
 8.2. TRUSS MANUFACTURER IS RESPONSIBLE FOR ALL TRUSS-TRUSS CONNECTIONS. ENGINEER IS RESPONSIBLE FOR DESIGN OF UPLIFT CONNECTIONS.

9. ROOF DECKING
 9.1. ROOF DECK SHALL BE:
(A) OSB (ORIENTED STRAND BOARD) 7/16" MIN. AND NAILING PATTERN SHOULD BE 4" O/C @ EDGE AND 6" O/C IN FIELD FOR ROOFS WITH ASPHALT SHINGLES.
(B) APA RATED GRADED PLYWOOD 19/32" MIN FOR ROOFS WITH METAL STANDING SEAM PANELS.
(C) APA RATED GRADED PLYWOOD 5/8" MIN. FOR ROOFS WITH CLAY TILES AND SCREW METAL PANELS.
 9.2 ALL DECKING END SHEETS SHOULD BE STAGGERED.
 9.3 ALL NAILS SHOULD BE 8d NAIL MIN.
 9.4 REFER TO MANUFACTURER RECOMMENDATIONS FOR FASTENER SIZES & SPACING.

10. WALL SHEATHING
 10.1 SEE WINDSTORM COMPLIANT PLAN (WSCP) - UNLESS NOTED ON WSCP, ALL WALL SHEATHING IS ASSUMED TO BE 7/16" OSB FASTENED W/ 8d NAILS, 4" O.C. @ EDGES, 6" O.C. IN THE FIELD.

11. HIGH WIND UPLIFT CONNECTORS
 11.1 ALL LOAD BEARING RAFTERS, STUDS, SHOULD BE STRAPPED/CLIPED IN ACCORDANCE WITH WINDSTORM COMPLIANT PLAN.

12. NAILING, U.N.O, SHALL BE PER THE 2018 IBC.

13. NOTCHING AND BORING:
 13.1 NOTCHING SHOULD BE AVOIDED WHEN POSSIBLE, AND HOLES BORED IN BEAMS AND JOISTS CREATE THE SAME PROBLEMS AS NOTCHES. WHEN NECESSARY, THE HOLES SHOULD BE LOCATED IN AREAS WITH THE LEAST STRESS CONCENTRATION, GENERALLY ALONG THE NEUTRAL AXIS OF THE JOIST. LIMITATIONS ON THE ALLOWABLE CUTTING AND NOTCHING OF WOOD FLOOR JOISTS ARE MEANT TO RETAIN STRUCTURAL OR FUNCTIONAL INTEGRITY.
 13.2 SAWN LUMBER: NOTCHES IN SOLID LUMBER JOISTS, RAFTERS AND BEAMS SHALL NOT EXCEED ONE-SIXTH OF THE DEPTH OF THE MEMBER, SHALL NOT BE LONGER THAN ONE-THIRD OF THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED IN THE MIDDLE ONE-THIRD OF THE SPAN. NOTCHES AT THE ENDS OF THE MEMBER SHALL NOT EXCEED ONE-FOURTH THE DEPTH OF THE MEMBER. THE TENSION SIDE OF MEMBERS 4 INCHES OR GREATER IN NOMINAL THICKNESS SHALL NOT BE NOTCHED EXCEPT AT THE ENDS OF THE MEMBERS. THE DIAMETER OF HOLES BORED OR CUT INTO MEMBERS SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE MEMBER. HOLES SHALL NOT BE CLOSER THAN 2 INCHES TO THE TOP OR BOTTOM OF THE MEMBER, OR TO ANY OTHER HOLE LOCATED IN THE MEMBER. WHERE THE MEMBER IS ALSO NOTCHED, THE HOLE SHALL NOT BE CLOSER THAN 2 INCHES TO THE NOTCH.
  13.2.1 NOTCHES ON CANTILEVERED PORTIONS OF RAFTERS PERMITTED PROVIDED THE DIMENSION OF THE REMAINING PORTION OF THE RAFTER IS NOT LESS THAN 3 1/2 INCHES AND THE LENGTH OF THE CANTILEVER DOES NOT EXCEED 24 INCHES.
 13.3 ENGINEERED WOOD PRODUCTS: CUTS, NOTCHES AND HOLES BORED IN TRUSSES, LAMINATED VENEER LUMBER, GLUE- LAMINATED MEMBERS OR I-JOISTS ARE NOT PERMITTED UNLESS THE EFFECTS OF SUCH PENETRATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER.
 13.4 DRILLING AND NOTCHING - STUDS: ANY STUD IN AN EXTERIOR WALL OR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. STUDS IN NONBEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40 PERCENT OF A SINGLE STUD WIDTH. ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLE IS NO GREATER THAN 40 PERCENT OF THE STUD WIDTH, THE EDGE OF THE HOLE IS NO CLOSER THAN 5/8 INCH (15.9 MM) TO THE EDGE OF THE STUD, AND THE HOLE IS NOT LOCATED IN THE SAME SECTION AS A CUT OR NOTCH.
  13.4.1 A STUD MAY BE BORED TO A DIAMETER NOT EXCEEDING 60 PERCENT OF ITS WIDTH, PROVIDED THAT SUCH STUDS LOCATED IN EXTERIOR WALLS OR BEARING PARTITIONS ARE DOUBLED AND THAT NOT MORE THAN TWO SUCCESSIVE STUDS ARE BORED.
  13.4.2 APPROVED STUD SHOES MAY BE USED WHEN INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
 13.5 DRILLING AND NOTCHING OF TOP PLATE. WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD-BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THAN 50 PERCENT OF ITS WIDTH, A GALVANIZED METAL TIE OF NOT LESS THAN 0.054 INCHES THICK (16GA) AND 1 1/2 INCHES WIDE SHALL BE FASTENED TO EACH PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT 16D NAILS AT EACH SIDE OR EQUIVALENT.
  13.5.1 WHEN THE ENTIRE SIDE OF THE WALL WITH THE NOTCH OR CUT IS COVERED BY WOOD STRUCTURAL PANEL SHEATHING

PILING & FLOOR FRAMING NOTES

1. ALL PILINGS 6x6 AND GREATER MUST BE No. 2 GRADE SOUTHERN PINE OR BETTER

2. ALL PILINGS MUST BE TREATED WITH MINIMUM 0.6 WOLMANIZED CCA PRESERVATIVE

3. PILINGS SHOULD BE SET PLUMB AND TRUE AND LOCATED IN ACCORDANCE WITH THE PILING FOUNDATION PLAN

4. ALL PILINGS SHALL BE PILE DRIVEN, OR SET IN AN AUGURED HOLE AND BACK FILLED WITH BANK SAND

5. WRAP PILINGS WITH 30LB FELT 18" ABOVE AND BELOW GRADE

6. STRINGER AND FLOOR JOISTS SHALL BE MINIMUM SOUTHERN PINE No. 2, DOUGLAS FIR LARCH No. 2 OR EQUIVALENT.

7. MEMBERS THAT WILL BE EXPOSED TO THE ELEMENTS SHALL BE PRESSURE TREATED FOR MOISTURE PROTECTION

8. FLOOR JOISTS SHOULD BE PRESSURE BLOCKED IN ACCORDANCE WITH PROVIDED DETAIL. IF CLIPS ARE TO BE USED IN LIEU OF PRESSURE BLOCKING, ATTACHED FLOOR JOISTS TO STRINGERS WITH CLIPS HAVING AN UPLIFT CAPACITY GREATER THAN 1200LB AND PROVIDE BLOCKING BETWEEN JOISTS

9. GRADE OR PAVING UNDER PILING FOUNDATION SHALL BE SLOPED TO DRAIN AWAY FROM STRUCTURE

10. ANY CONCRETE UNDER PILING FOUNDATION IS CONSIDERED PAVING AND IS CONSIDERED TO CARRY NO LOADS FROM THE STRUCTURE

FOUNDATION FASTENERS

1. ALL BOLTS, NAILS, OR ANY OTHER FASTENERS USED TO CONSTRUCT THE FOUNDATION SHOULD RECEIVE CORROSION RESISTANCE TREATMENT IN ACCORDANCE WITH THE IBC 2018 FOR OPEN AREAS.

2. ALL BOLTS ATTACHING STRINGERS OR BEAMS TO PILINGS SHALL MEET ASTM A307

3. ALL BOLTS ATTACHING STRINGERS OR BEAMS TO PILINGS SHALL HAVE SQUARE WASHERS

FLOOD ZONE REQUIREMENTS

1. THE CONTRACTOR IS RESPONSIBLE FOR BEING FAMILIAR WITH THE ELEVATION CERTIFICATE. LYNN ENGINEERING IS NOT RESPONSIBLE FOR VERIFYING FINISHED FLOOR ELEVATIONS IN RELATION TO THE BASE FLOOD ELEVATION.

2. THE CONTRACTOR IS RESPONSIBLE FOR BEING FAMILIAR WITH THE FLOOD ZONE FOR THIS PROJECT AND SHALL BE KNOWLEDGEABLE OF THE ALLOWED CONSTRUCTION FOR ENCLOSURES BELOW THE BASE FLOOD ELEVATION.

3. IF AN ELEVATION CERTIFICATE IS PROVIDED, LYNN ENGINEERING WILL COMMENT ON THE CONSTRUCTION REQUIREMENTS FOR FEMA DESIGNATED FLOOD ZONES.

WIND BOURNE DEBRIS PROTECTION

V > 140	GLAZING IN BUILDINGS SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT-RESISTANT STANDARD OR ASTM E1996 AND ASTM E1886 REFERENCED HEREIN AS FOLLOWS: 1. GLAZED OPENINGS LOCATED WITHIN 30 FEET (9144 MM) OF GRADE SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E1996. 2. GLAZED OPENINGS LOCATED MORE THAN 30 FEET (9144 MM) ABOVE GRADE SHALL MEET THE PROVISIONS OF THE SMALL MISSILE TEST OF ASTM E1996. EXCEPTIONS: 1. WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16 INCH (11.1 MM) AND MAXIMUM PANEL SPAN OF 8 FEET (2438 MM) SHALL BE PERMITTED FOR OPENING PROTECTION IN BUILDINGS WITH A MEAN ROOF HEIGHT OF 33 FEET (10 058 MM) OR LESS THAT ARE CLASSIFIED AS A GROUP R-3 OR R-4 OCCUPANCY PANELS SHALL BE PRECUT SO THAT THEY SHALL BE ATTACHED TO THE FRAMING SURROUNDING THE OPENING CONTAINING THE PRODUCT WITH THE GLAZED OPENING PANELS SHALL BE PREDRILLED AS REQUIRED FOR THE ANCHORAGE METHOD AND SHALL BE SECURED WITH THE ATTACHMENT HARDWARE PROVIDED. ATTACHMENTS SHALL BE DESIGNED TO RESIST THE COMPONENTS AND CLADDING LOADS DETERMINED IN ACCORDANCE WITH THE PROVISIONS OF ASCE 7, WITH CORROSION-RESISTANT ATTACHMENT HARDWARE PROVIDED AND ANCHORS PERMANENTLY INSTALLED ON THE BUILDING. ATTACHMENT IN ACCORDANCE WITH TABLE 1609.2 WITH CORROSION-RESISTANT ATTACHMENT HARDWARE PROVIDED AND ANCHORS PERMANENTLY INSTALLED ON THE BUILDING IS PERMITTED FOR BUILDINGS WITH A MEAN ROOF HEIGHT OF 45 FEET (13 716 MM) OR LESS WHERE VASD DETERMINED IN ACCORDANCE WITH SECTION 1609.3.1 DOES NOT EXCEED 140 MPH (63 M/S) 2. GLAZING IN RISK CATEGORY I BUILDINGS, INCLUDING GREENHOUSES THAT ARE OCCUPIED FOR GROWING PLANTS ON A PRODUCTION OR RESEARCH BASIS, WITHOUT PUBLIC ACCESS SHALL BE PERMITTED TO BE UNPROTECTED. GLAZING IN RISK CATEGORY II, III OR IV BUILDINGS LOCATED OVER 60 FEET (18 288 MM) ABOVE THE GROUND AND OVER 30 FEET (9144 MM) ABOVE AGGREGATE SURFACE ROOFS LOCATED WITHIN 1,500 FEET (458 M) OF THE BUILDING SHALL BE PERMITTED TO BE UNPROTECTED.

CORROSION RESISTANCE FOR METAL CONNECTORS AND FASTENERS

145 < V < 160	FOR OPEN AREA: METAL CONNECTORS & FASTENERS IN OPEN AREAS SHALL BE EITHER STAINLESS STEEL & ASTM A167; HOT-DIP GALVANIZED AFTER FABRICATION AND MEET ASTM A123 OR ASTM A153; OR HOT-DIP GALVANIZED PRIOR TO FABRICATION AND MEET ASTM A653. FOR VENTED OR ENCLOSED AREA: METAL CONNECTORS AND FASTENERS LOCATED IN VENTED OR ENCLOSED AREAS SHALL BE HOT-DIP GALVANIZED OR ELECTROGALVANIZED IN ACCORDANCE WITH ASTM A641: MECHANICALLY DEPOSITED ZINC COATINGS IN ACCORDANCE WITH ASTM B695; OR ELECTRODEPOSITED ZINC COATINGS IN ACCORDANCE WITH ASTM B633.
V < 145	FOR OPEN AREAS: METAL CONNECTORS & FASTENERS IN OPEN AREAS SHALL BE EITHER STAINLESS STEEL AND ASTM A167: HOT-DIP GALVANIZED AFTER FABRICATION AND MEET ASTM A123 OR ASTM A153; HOT-DIP GALVANIZED OR GALVANNEALED PRIOR TO FABRICATION AND MEET ASTM A653; HOT DIP GALVANIZE OR ELECTROGALVANIZED IN ACCORDANCE WITH ASTM A641; MECHANICALLY DEPOSIT ZINC COATINGS IN ACCORDANCE WITH ASTM B695; OR ELECTRODEPOSITED ZINC COATINGS IN ACCORDANCE WITH ASTM B633. FOR VENTED OR ENCLOSED AREAS: METAL CONNECTORS AND FASTENERS LOCATED IN VENTED OR ENCLOSED AREAS SHALL BE EPOXY-COATED IN ACCORDANCE WITH ASTM A899.

SPAN CHART

SOUTHERN PINE #2	2X4	2X6	2X8	2X10	2X12
RAFTERS, L/240 LIVE LOAD = 20 PSF	-	13'-5"	17'-1"	20'-3"	23'-10"
FLOOR JOISTS, L/360 LIVE LOAD = 40 PSF	-	8'-6"	10'-10"	12'-10"	15'-1"
CEILING JOISTS, L/240 LIVE LOAD = 20 PSF	8'-0"	12'-0"	15'-3"	18'-1"	21'-4"
SIMPSON JOIST HANGERS	LUS24	LUS26	LUS28	LUS210	LUS210
SIMPSON RAFTER HANGERS	-	LRU26Z	LRU28Z	LRU210Z	LRU210Z

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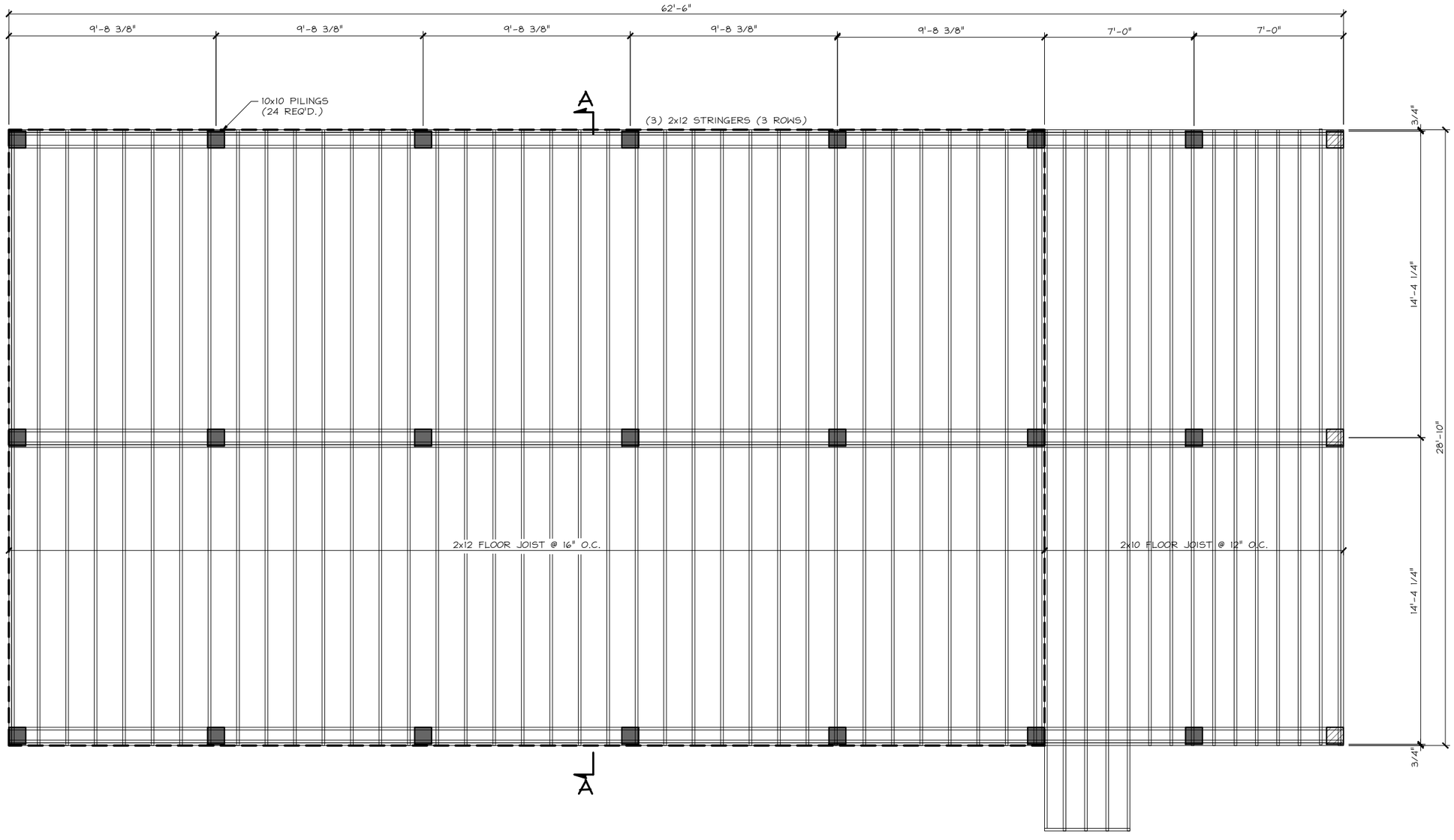

LEGEND

DENOTES GROUND TO FLOOR JOIST PILING

DENOTES GROUND TO ROOF PILING

FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

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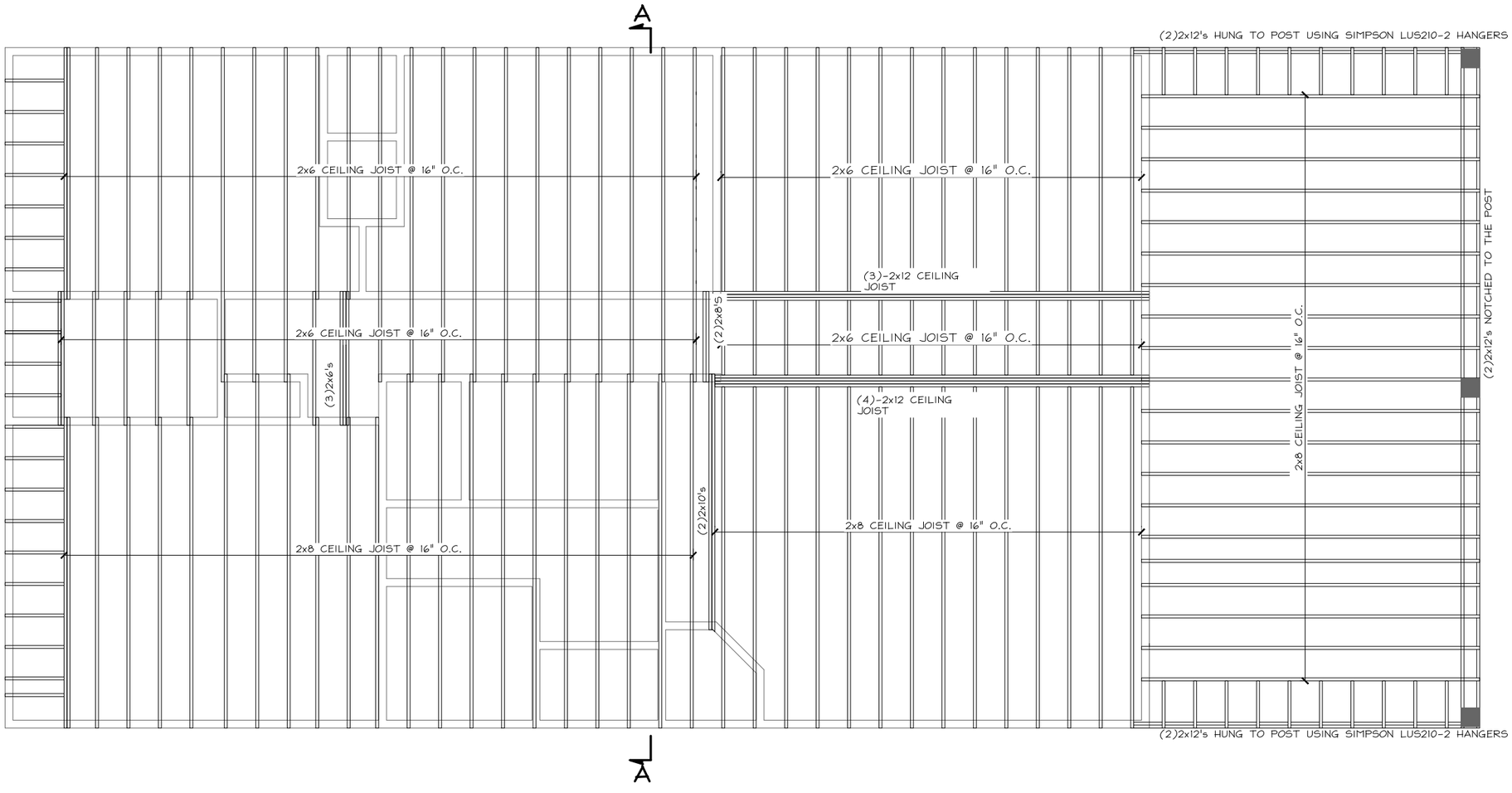

CEILING JOIST PLAN

SCALE: 3/16" = 1'-0"

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CEILING JOIST PLAN

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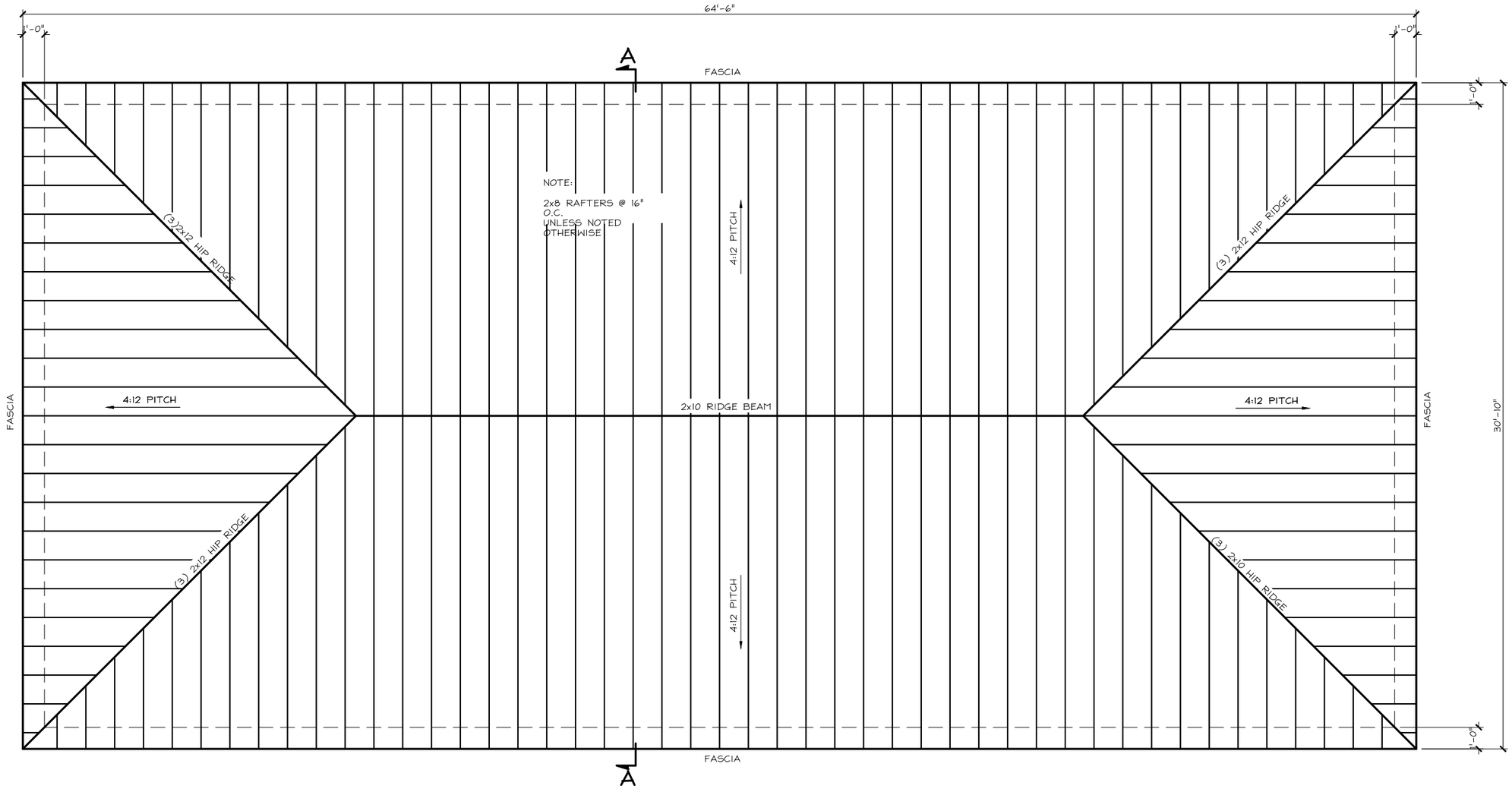

ROOF PLAN

SCALE: 3/16" = 1'-0"

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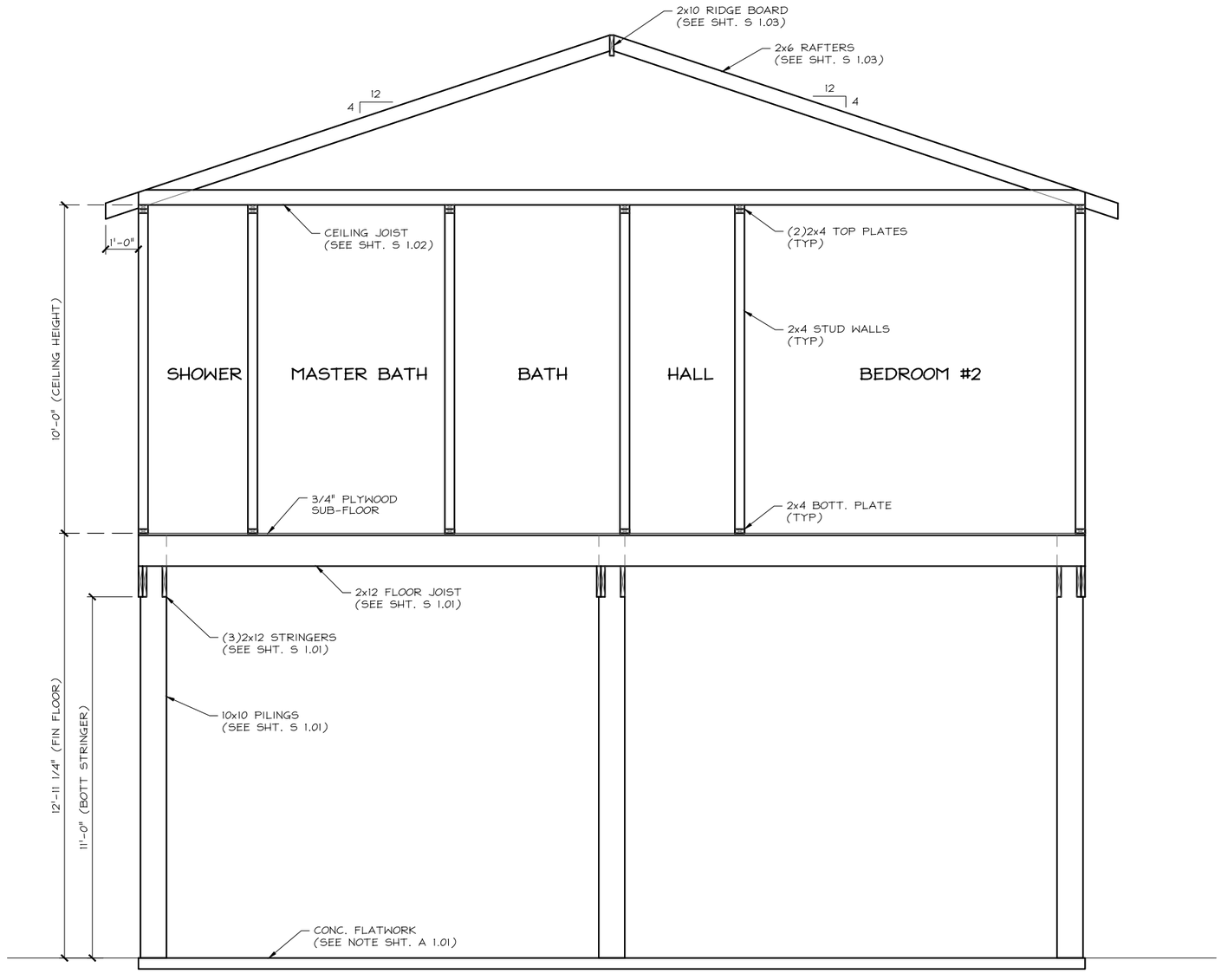

SECTION A-A

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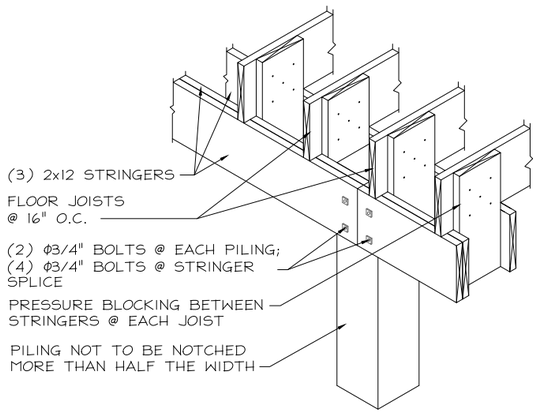
1142 CR 230 SARGENT, TEXAS

SECTION A-A

STATE OF TEXAS
SAMUEL EDWARD BIRD
116823
LICENSED
PROFESSIONAL ENGINEER
12/13/2022

F-324



PILING TO STRINGER CONNECTION

N.T.S.

FRAMING NOTES:

1. ALL PILINGS MUST BE DRILLED AND INSTALLED TRUE, STRAIGHT AND PLUMB. IF WATER IS ENCOUNTERED CONTACT PROFESSIONAL ENGINEER BEFORE PROCEEDING.

2. ALL 10x10 PILINGS SHALL BE SET TO A DEPTH OF 10'.

3. ALL 12x12 PILINGS SHALL BE SET TO A DEPTH OF 12'.

4. WRAP PILINGS WITH 30LB. FELT 18" ABOVE AND BELOW GRADE.

5. PROVIDE PRESSURE BLOCKING BETWEEN STRINGERS @ 16" O.C., USE 5 NAILS EACH SIDE & 5 NAILS TO FLOOR JOIST.

6. FOR ELEVATIONS OF LOWEST HORIZONTAL MEMBER AND FINISHED FLOOR, PLEASE SEE ELEVATION CERTIFICATE.

NUMBER OF STRINGERS PER POST	ALLOWABLE NUMBER OF SPLICES PER SIDE OF POST
2	1
3	1
4	1

*NOTE: ANY AND ALL POSTS WITH ON
MUST NOT HAVE BOTH SPLICES LAND

S 3.01

LYNN ENGINEERING
1221 AVENUE F
BAY CITY, TEXAS 77414
PH: (979) 245-8900
FAX: (979) 245-5345

JOB No: 41374
DRAWN BY: SNS
SCALE: AS SHOWN
DATE: 12/13/2022

VANTELLIGEN REVOCABLE TRUST
1142 CR 230 SARGENT, TEXAS
STRUCTURAL DETAILS

STATE OF TEXAS
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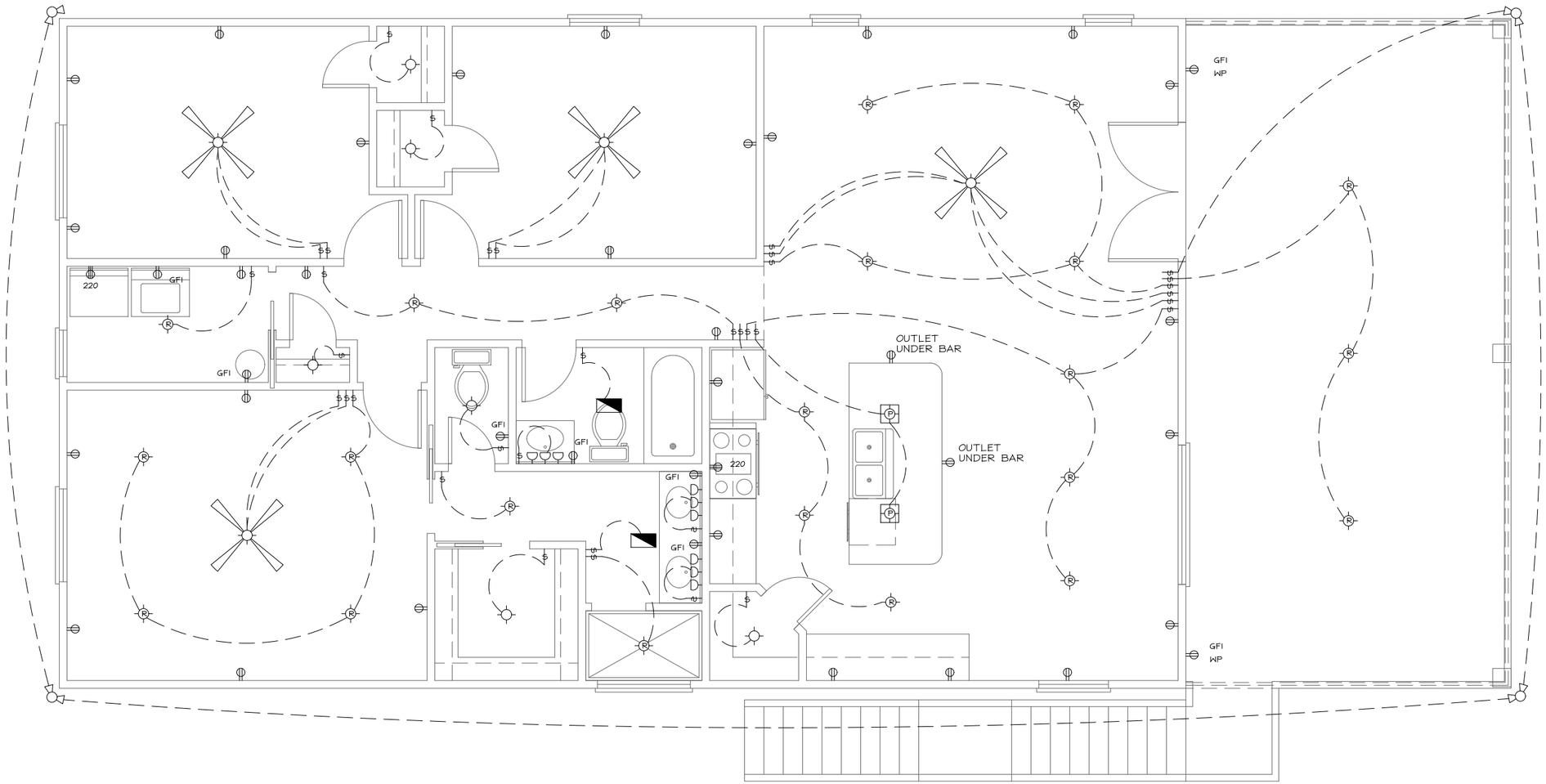

ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. SMOKE DETECTORS IN ALL BEDROOMS REQUIRE 110V BATTERY BACKUP, AND INTERCONNECT.
2. VENT ALL EXHAUST FANS TO OUTSIDE.
3. PROVIDE GFI ON BATH AND KITCHEN PLUGS AS REQUIRED.
4. PROVIDE LIGHT FIXTURE AND SMOKE DETECTORS AT WATER HEATER AND A/C UNIT.
5. PROVIDE ELECTRICAL DISCONNECT AT A/C UNIT.

ELECTRICAL ARRANGEMENT SHOWN ON THIS DRAWING SHOWS ONLY GENERAL LOCATIONS. IT IS UP TO THE MASTER ELECTRICIAN TO DESIGN AND SIZE ALL COMPONENTS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS.

$	SINGLE SWITCH
$3	3 WAY SWITCH
$4	4 WAY SWITCH
	110V RECEPTACLE
	110V FLOOR RECEPTACLE
220	220V RECEPTACLE
220	220V FLOOR RECEPTACLE

LEGEND

GFI	GROUND FAULT INTERRUPTER
GFI WP	WALL MOUNTERD WATER PROOF GROUND FAULT INTERRUPTER
	HEAT, LIGHT, & VENT
	LIGHT, & VENT
	FLORESANT LIGHTING
	CEILING MOUNTED LIGHT
	RECESSED CEILING LIGHT
P	PENDANT LIGHT
	OUTDOOR SPOTLIGHT
	WALL MOUNTED LIGHT
	CEILING FAN W/ LIGHTS

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BAY CITY, TEXAS 77414
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ELECTRICAL PLAN

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F-324

WINDSTORM NOTES SCHEDULE

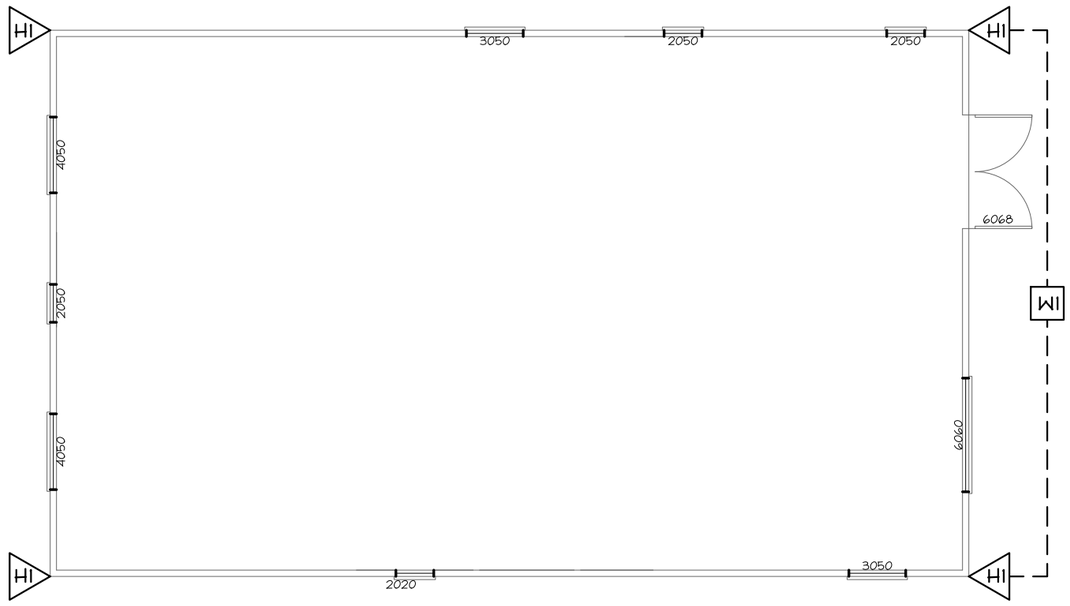
150 MPH (EXPOSURE "D"); BUILDING CATEGORY-II, ENCLOSED, IBC 18.

SQUARE FOOTAGE: 1398			
MEAN ROOF HEIGHT: 25.40			
ROOF DECKING: REFER GENERAL NOTES			
CROSS SECTION SPECIFICATIONS			
C1	EVERY RAFTER TO RAFTER CONNECTION AT RIDGE	870.85	LSTA-12
C2	EVERY RAFTER TO DBL. TOP PLATE CONNECTION	772.51	H8
C3	DBL. TOP PLATE TO EVERY EXTERIOR WALL STUD CONNECTION	772.51	H8
C4	EVERY EXTERIOR WALL STUD TO BOTTOM PLATE	692.51	LSTA-36
HOLD-DOWNS SPECIFICATIONS			
H1	MSTC-66 W/ (68) 16D SINKER NAILS		
WALL SHEATHING SPECIFICATIONS			
TYPICAL	7/16" PANEL, 8D NAILS @ 4" O.C.		
W1	7/16" OSB (INTERIOR & EXTERIOR), 8D NAILS @ 4" O.C.		

DESIGN PRESSURE RATING

SIZE	DESCRIPTION	PSF OR GREATER
3050	WINDOW	-50.34
2050	WINDOW	-52.40
4050	WINDOW	-48.88
2020	WINDOW	-52.40
6060	WINDOW	-45.89
6068	DOOR	-45.36

NET DESIGN PRESSURE (PSF)	
ROOF	
MINIMUM REQUIRED PRESSURE	-108.10
WALLS	
MINIMUM REQUIRED PRESSURE	-52.40



WINDSTORM COMPLIANT PLAN

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

W 1.01

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VANTELLIGEN REVOCABLE TRUST

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WINDSTORM COMPLIANT PLAN

STATE OF TEXAS
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PROFESSIONAL ENGINEER
12/13/2022

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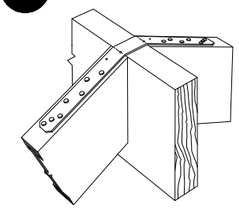
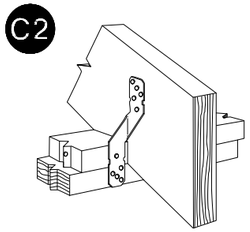
C1



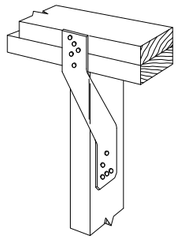
LSTA-12
(8) 0.148 X 2 1/2

C2



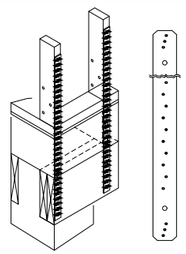
H8
(5) 0.148 X 1 1/2 [RAFTER] (5) 0.148 X 1 1/2 [PLATE]

C3



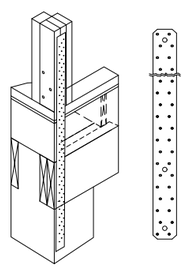
H8 (DTP TO STUD)
(5) 0.148 X 1 1/2 [PLATE] (5) 0.148 X 1 1/2 [STUD]

C4

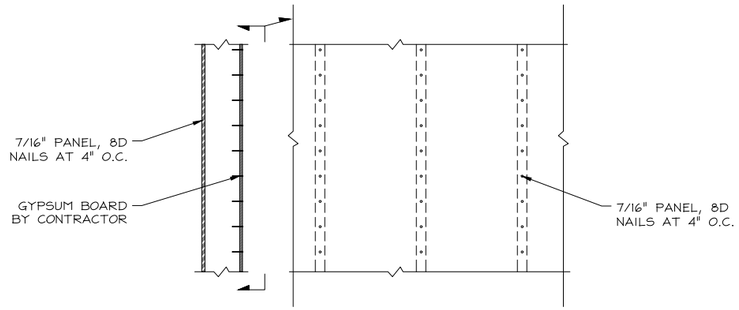


LSTA-36
(24) 0.148 X 2 1/2

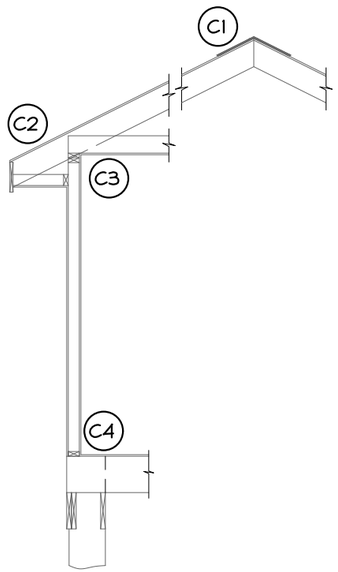
H1



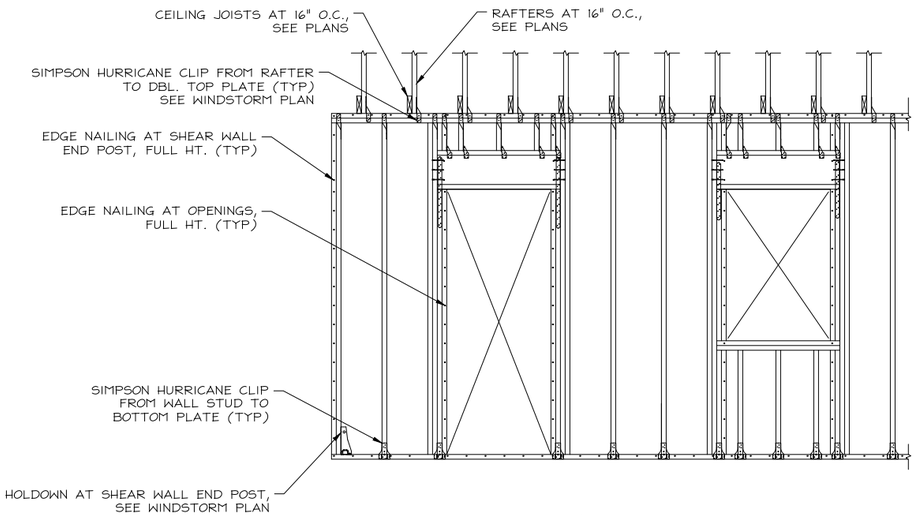
MSTC-66
SEE TABLE ON SHEET W1.1



TYPICAL WALL SHEATHING DETAIL



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



TYPICAL FRAMING DETAIL NEAR OPENINGS
SCALE: 1/4"=1'-0"

W 4.01

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VANTELLIGEN REVOCABLE TRUST
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SIMPSON CLIPS & DETAILS

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