

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.

SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS MUST BE CALLED FOR EACH INSPECTION AND HAVE INSPECTOR'S SIGNATURE AND DATE ON THIS SHEET IN ORDER FOR A WPI-8 CERTIFICATE TO BE ISSUED. THIS CONSTRUCTION SET MUST BE ONSITE IN ORDER TO CONDUCT ALL INSPECTIONS. ADDITIONAL CHARGES MAY OCCUR IF CONSTRUCTION SET IS NOT ONSITE DURING TIME OF 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

TABLE OF CONTENTS

<u>TITLE</u>	<u>SHT</u>
INSPECTION SHEET	S10F20
GENERAL REQUIREMENTS	S20F20
PLOT PLAN	S2.10F20
ELEVATION VIEWS	S30F20
EXISTING/NEW FLOOR LAYOUT	S40F20
EXISTING ROOF LAYOUT	S50F20
POST/STRINGER FLOOR JOIST LAYOUT	S60F20
NEW CEILING JOIST LAYOUT	S70F20
NEW ROOF LAYOUT	S80F20
SHEAR WALL LAYOUTS	S8.10F20
FOOTING DETAIL	S90F20
STRINGER/JOIST DETAILS	S100F20
PORCH POST AND HOLD DOWN BLOCK DETAILS	S110F20
CLIP/STRAP DETAILS	S120F20
SHEAR WALL DETAILS	S130F20
PORCH DETAILS	S140F20
ROOF DETAILS 1	S150F20
ROOF DETAILS 2	S160F20
ROOF DETAILS 3	S170F20
NO DETAILS	S180F20
STAIR/HANDRAIL DETAILS	S190F20
SIDING DETAILS	S200F20

- FOOTING PRE-POUR - _____
- 1ST FLOOR FRAME AND CLIP - _____
- SHEATH AND DECK - _____
- DOORS AND WINDOWS AT TIME OF INSTALLATION - _____
(OWNER/CONTRACTOR TO SUPPLY SETE W/ ALL WINDOW/DOOR INFORMATION PRIOR TO SETE DOING INSPECTION)
- SIDING AT TIME OF INSTALLATION AND WINDOW COVERINGS IF NOT IMPACT - _____
(OWNER/CONTRACTOR TO SUPPLY SETE W/ ALL SIDING INFORMATION PRIOR TO SETE DOING INSPECTION)
- ROOF SHINGLES, A/C ANCHORED, BREAKAWAY WALLS _____
(OWNER/CONTRACTOR TO SUPPLY SETE W/ ALL (FINAL) - ROOF INFORMATION PRIOR TO SETE DOING INSPECTION)

INSPECTOR'S SIGNATURE AND DATE:

ATTENTION OWNER/CONTRACTOR



ALL INSULATION, DOORS, WINDOWS FOR ENERGY PURPOSES SHALL BE INSPECTED BY OTHERS THAT ARE LICENSED AND APPROVED TO CONDUCT THIS TYPE OF WORK IN THE STATE OF TEXAS. IT IS UP TO THE HOWEOWNER/CONTRACTOR TO SUPPLY BLOWER TESTS TO LOCAL MUNICIPALITIES IF REQUIRED BY BUILDING OFFICIAL.

ATTENTION OWNER/CONTRACTOR

OWNER/CONTRACTOR RESPONSIBILITY TO INSTALL ALL EXTERIOR COMPONENTS AND CLADDING PER TDI INSTALLATION INSTRUCTIONS FOR THE APPROPRIATE WIND PRESSURES STATED IN THIS SET OF ENGINEERED DRAWINGS.

FIND ALL TDI INSTALLATION INSTRUCTIONS AT THE WEBSITE BELOW:
<http://www.tdi.texas.gov/wind/prod/index.html>

WES BUCHHORN, PE TIM BUCHHORN, PE		
THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED		
FIRM REGISTRATION #13882		
NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-8-18
	REVISED	4-29-18


 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

4-29-18

ADDITION
 JOHN SNELL

 3717 AVENUE O 1/2
 GALVESTON, TEXAS

TITLE INSPECTION SHEET	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S1 OF 20

GENERAL STRUCTURAL NOTES:

DESIGN CONDITIONS:

DEAD AND LIVE LOADS PER IRC 2012, ASCE7-10
 WIND CONDITION 150 MPH, 3-SEC GUST (NOM)
 EXPOSURE C, IMPORTANCE 1
 WINDSTORM- IRC 2006 - ASCE 7-05 130 MPH EXP. C
 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
 GUARDRAIL - 50 LB./FT., 200 LB. PT LOAD
 STAIR TREAD DESIGN - LL=40 PSF OR
 LL=300 LB POINT LOAD ANYWHERE. DL=10 PSF

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

FRAMING LUMBER:

#2 SYP OR BETTER, UNO
 ALL TOP PLATE AND SILL PLATES TO BE SYP#1
 ALL SILL PLATES ARE TO BE TREATED
 ALL EXPOSED LUMBER SHALL BE TREATED
 ALL LUMBER IN DIRECT CONTACT W/ SALTWATER TO BE TREATED (2.5CCA)
 ALL LUMBER IN DIRECT CONTACT W/ GROUND TO BE TREATED (.6CCA)
 ALL EXTERIOR STUDS TO BE DOUBLED FOR 1ST 4'-0" WITHIN ALL EXTERIOR CORNERS
 (2X4 ONLY 9'-0" OR TALLER)

*ENGINEER NOTES OVERRIDE
 ARCHITECTURAL NOTES*

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 WINDBORNE RESISTANCE CRITERIA.
 PLYWOOD COVERINGS CAN ONLY BE USED IN ACCORDANCE WITH 2006 TEXAS WIND PROVISIONS.
 SIDING INSTALLED PER TDI INSTALLATION INSTRUCTIONS AS APPLICABLE
 ALL EXPOSED FASTENERS AND WINDOWS/DOORS/SIDING/ROOF FASTENERS SHALL BE HDG OR SS

SHEATHING REQUIREMENTS:

FULLY WRAP HOUSE IN 5/8" PLYWOOD
 4" X 8" NAILING, UNO, 10D NAILS (.131 DIA), BLOCKING REQUIRED
 ROOF DECKING SHALL BE 5/8" PLYWOOD
 4" X 6" NAILING, 10D NAILS (.131 DIA.), BLOCKING NOT REQUIRED
 OVERHANGS
 3" X 4" NAILING, 10D NAILS (.131 DIA.) BLOCKING REQUIRED

CLIPS AND STRAPS, UNLESS OTHERWISE NOTED:

PART NOS LISTED ARE SIMPSON.
 LSTA 24 RIDGE STRAPS
 (1) H2.5A CLIPS FROM RAFTER TO TOP PLATE W/ (3) 10D TOE-NAILS (30'), THEN
 (1) H2.5A CLIP FROM TOP PLATE TO STUD W/ (3) 10D 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 UNO.

ROOFING MATERIALS:

ROOFING SHINGLES SHALL BE USED WHICH ARE STATED BY THE MANUFACTURER AS BEING
 COMPLIANT WITH ASTM D 3161, MODIFIED TO USE A WIND SPEED OF 110 MPH.
 INSTALLATION SHALL BE PER THE MANUFACTURER'S INSTRUCTIONS, WITH PARTICULAR
 ATTENTION TO STARTER
 COURSE INSTALLATION, NAIL LINES & PATTERNS. NAIL GUNS ARE STRONGLY DISCOURAGED.
 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 DISCOVERED. DO NOT PROCEED UNTIL RESOLUTION OF CONFLICTS ARE COMPLETE.
- ALL PORCH BEAMS SHALL NOT SIT ON TOP OF PORCH POST. ALL PORCH POSTS MUST BE NOTCHED AS SHOWN ON PLANS AND BEAM MUST BE BOLTED TO POST AS SHOWN ON PLANS. NO EXCEPTIONS.
- ALL WOOD BELOW BFE MUST BE FLOOD RESISTANT.
- FLOOR DECKING TO BE 1 1/8" NAILED USING 10D NAILS WITH A 4"x6" NAIL PATTERN.
- 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	55 PSF	
FARTHER THAN 4' OF CORNERS	45 PSF	
		55 PSF

NAILING SCHEDULE, UNO ON PLANS
 (WHICHEVER SUPERCEDES)

JOINT DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	NAIL SPACING	
WALL FRAMING				
Top plate to top plate (face-nailed)	2-10d	2-10d	per 4 inches	
Top plates at intersections (face-nailed)	5-10d	5-10d	joints - 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, bandjoist, endjoist or blocking (face-nailed)	3-10d	3-10d	per 6"	
FLOOR FRAMING				
Joist to sill, top plate or girder (toe-nailed)	4-10d	4-10d	per joist	
Bridging to joist (toe-nailed)	2-10d	2-10d	each end	
Blocking to joist (toe-nailed)	2-10d	2-10d	each end	
Blocking to sill or top plate (toe-nailed)	3-10d	4-10d	each block	
Ledger strip to beam (face-nailed)	3-10d	4-10d	each joist	
Joist on ledger to beam (toe-nailed)	3-8d	3-10d	per joist	
Band joist to joist (end-nailed)	5-10d	5-10d	per joist	
Band joist to sill or top plate (toe-nailed)	2-10d	3-10d	8" o.c.	
CEILING SHEATHING				
Gypsum wallboard	5d coolers	5d coolers	7"edge/7"field	
WALL SHEATHING				
PLYWOOD/OSB	10d	10d	3"edge/8"field	
FLOOR SHEATHING				
Structural panels	1" or less	10D	10d	3"edge/6"field
	greater than 1"	10d	10d	3"edge/6"field
Diagonal board sheathing	1"x6" or 1"x8"	2-10d	2-10d	per support
	1"x10" or wider	3-10d	3-10d	per support
ROOF FRAMING				
Rafter to top plate (toe-nailed)	4 -10d	4 -10d	per rafter	
Ceiling joist to top plate (toe-nailed)	4 -10d	4 -10d	per joist	
Ceiling joist to parallel rafter (face-nailed)	7 -10d	7 -10d	each lap	
Ceiling joist laps over partitions (face-nailed)	7 -10d	7 -10d	each lap	
Collar tie to rafter (face-nailed)	7 -10d	7 -10d	per tie	
Blocking to rafter (toe-nailed)	2-10d	2-10d	each end	
Rim board to rafter (end-nailed)	3-10d	3-10d	each end	
ROOF SHEATHING				
PLYWOOD/OSB	10D	10d	4"edge/6"field	
Diagonal board sheathing	1"x6" or 1"x8"	2-10d	2-10d	per support
	1"x10" or wider	3-10d	3-10d	per support

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



WOOD TREATMENT
 WHERE LUMBER AND/OR PLYWOOD IS CUT OR DRILLED AFTER TREATMENT, THE TREATED SURFACE SHALL BE FIELD TREATED WITH COPPER NAPHTHENATE, THE CONCENTRATION OF WHICH SHALL CONTAIN A MINIMUM OF 2 PERCENT COPPER MEATL, BY REPEATED BRUSHING, DIPPING OR SOAKING UNTIL THE WOOD ABSORBS NO MORE PRESERVATIVE.

*IT'S OWNER/CONTRACTOR RESPONSIBILITY TO CHECK
 WITH LOCAL MUNICIPALITIES FOR MINIMUM EGRESS
 REQUIREMENTS FOR WINDOW CLEAR SPAN OPENINGS*

WES BUCHHORN, PE
 TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
 FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

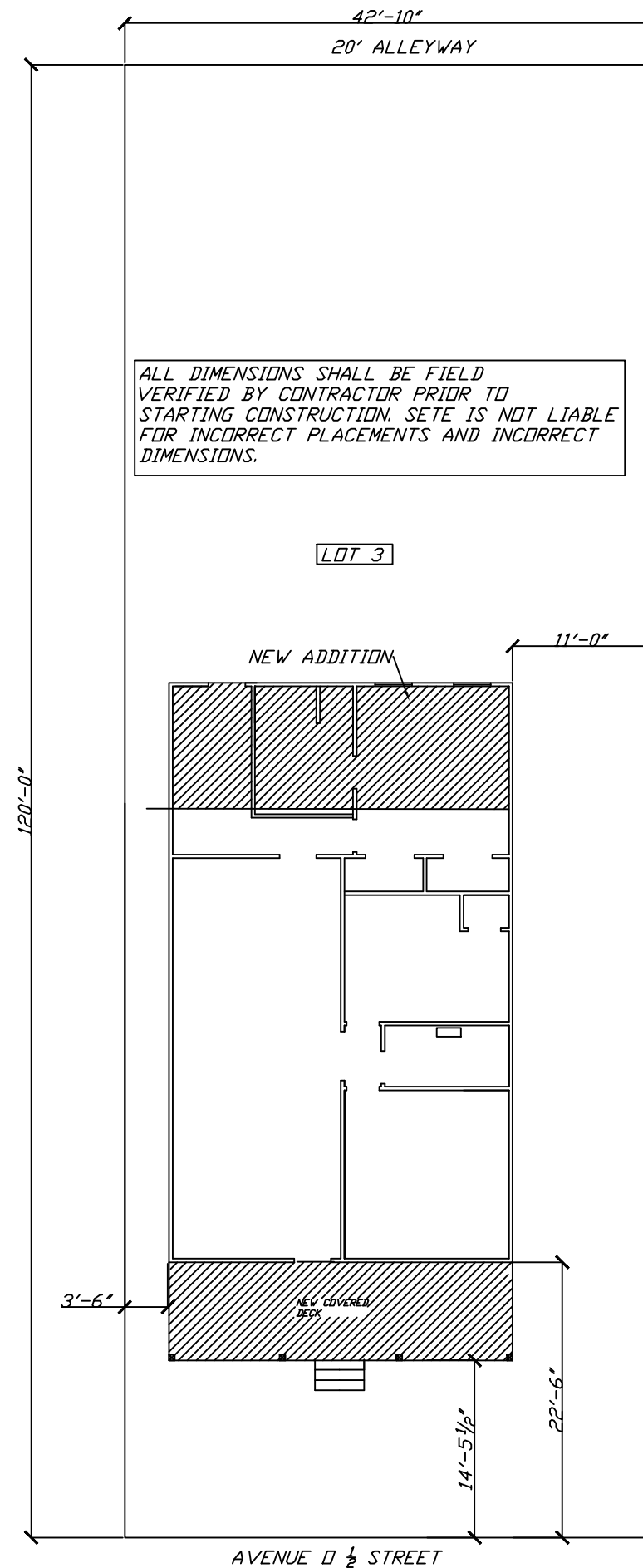

 SOUTHEAST TEXAS
 ENGINEERING AND
 INSPECTIONS, LLC
 (OFFICE) 409-741-8741
 (WES) 409-795-1415
 (TIM) 409-795-1181

 8017 HARBORSIDE DRIVE,
 GALVESTON, TX 77554
 SOUTHEASTTEXASENGINEERING.COM

ENGINEER STAMP AND SIGNATURE

4-29-18

ADDITION
 JOHN SNELL
 3717 AVENUE O 1/2
 GALVESTON, TEXAS

TITLE	
GENERAL REQUIREMENTS	
DATE	APRIL 29, 2018
SCALE	NTS
SHEET	S2 OF 20



ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO STARTING CONSTRUCTION. SETE IS NOT LIABLE FOR INCORRECT PLACEMENTS AND INCORRECT DIMENSIONS.

PLOT PLAN

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
PLOT PLAN

DATE
APRIL 29, 2018

SCALE
NTS

SHEET
S2.1 OF 20

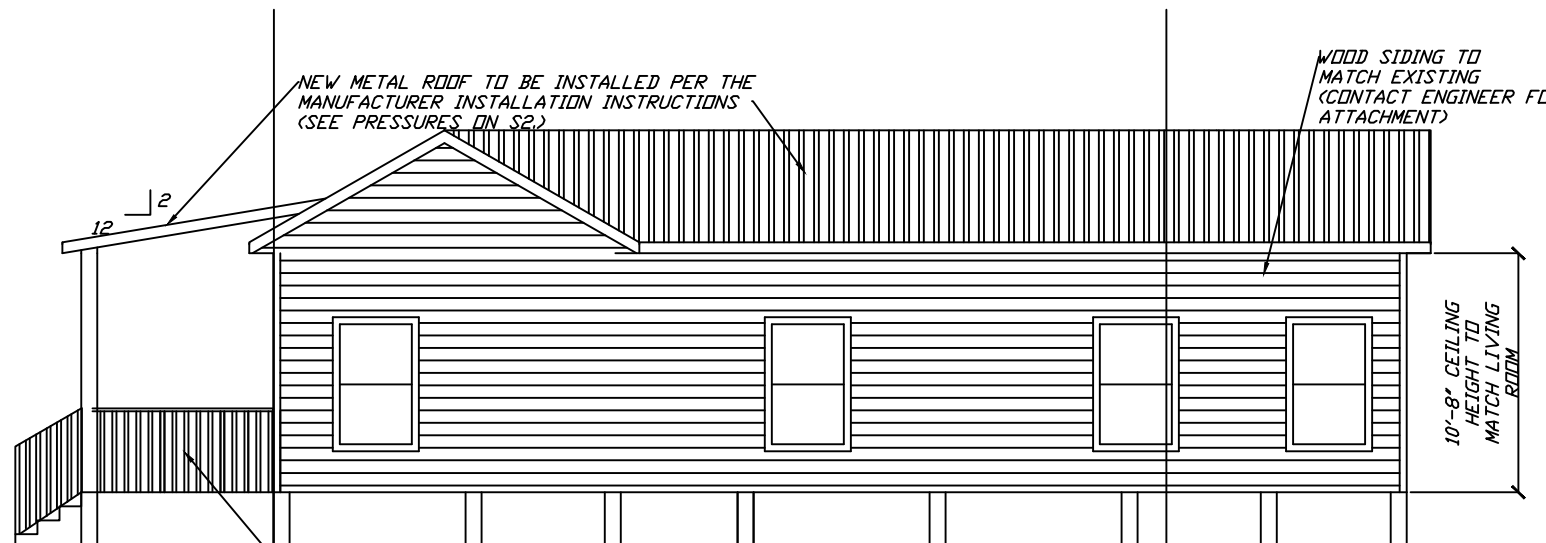


NEW FRONT ELEVATION LAYOUT



NEW REAR ELEVATION LAYOUT

REFER TO S2 FOR WIND PRESSURES.



NEW METAL ROOF TO BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS (SEE PRESSURES ON S2)

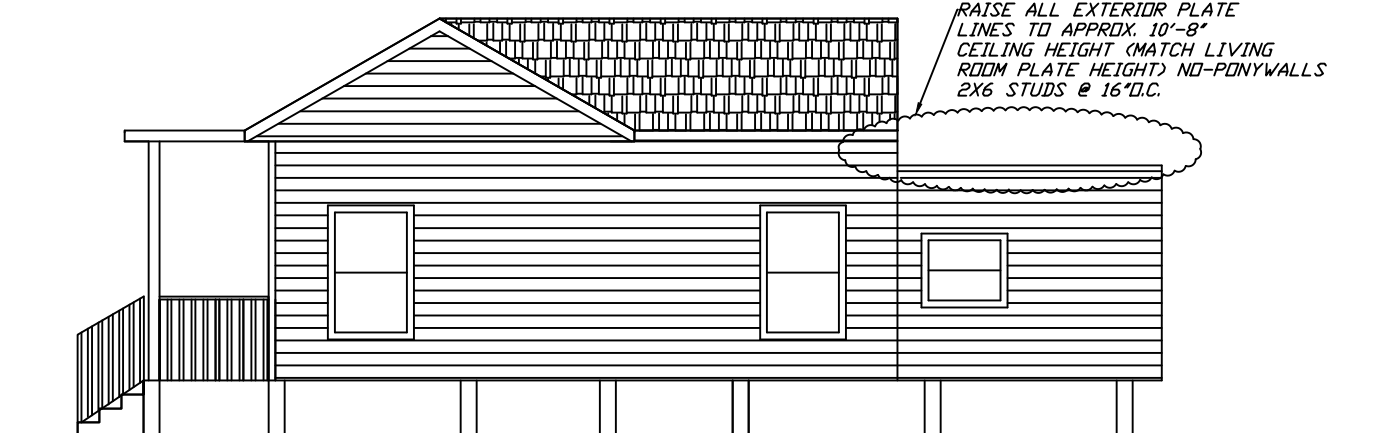
WOOD SIDING TO MATCH EXISTING (CONTACT ENGINEER FOR ATTACHMENT)

10'-8" CEILING HEIGHT TO MATCH LIVING ROOM

NEW ADDITION (FRONT PORCH) SEE GUARDRAIL DETAILS ON S20

NEW RIGHT ELEVATION LAYOUT

NEW ADDITION



EXISTING RIGHT ELEVATION LAYOUT

RAISE ALL EXTERIOR PLATE LINES TO APPROX. 10'-8" CEILING HEIGHT (MATCH LIVING ROOM PLATE HEIGHT) NO-PONYWALLS 2X6 STUDS @ 16"O.C.

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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

4-29-18

ADDITION
JOHN SNELL

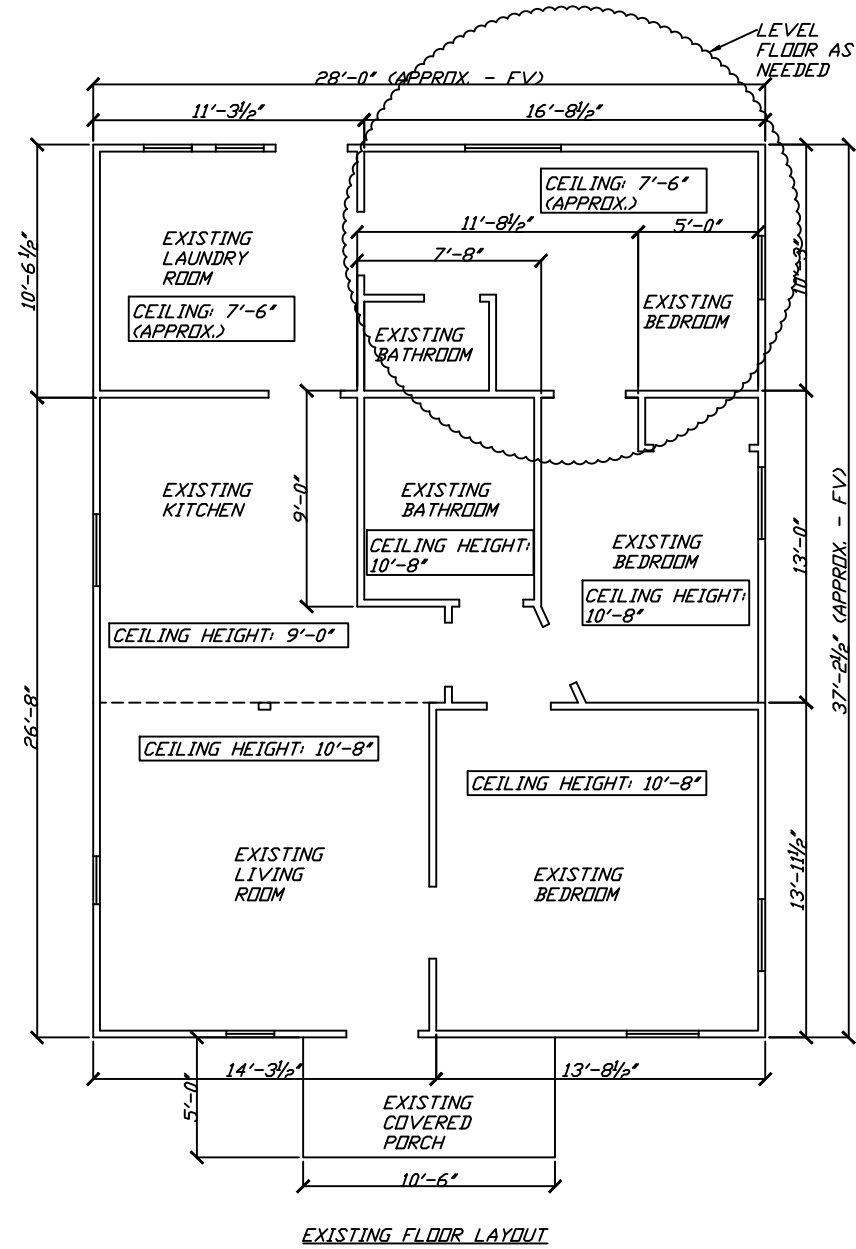
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
ELEVATION VIEWS

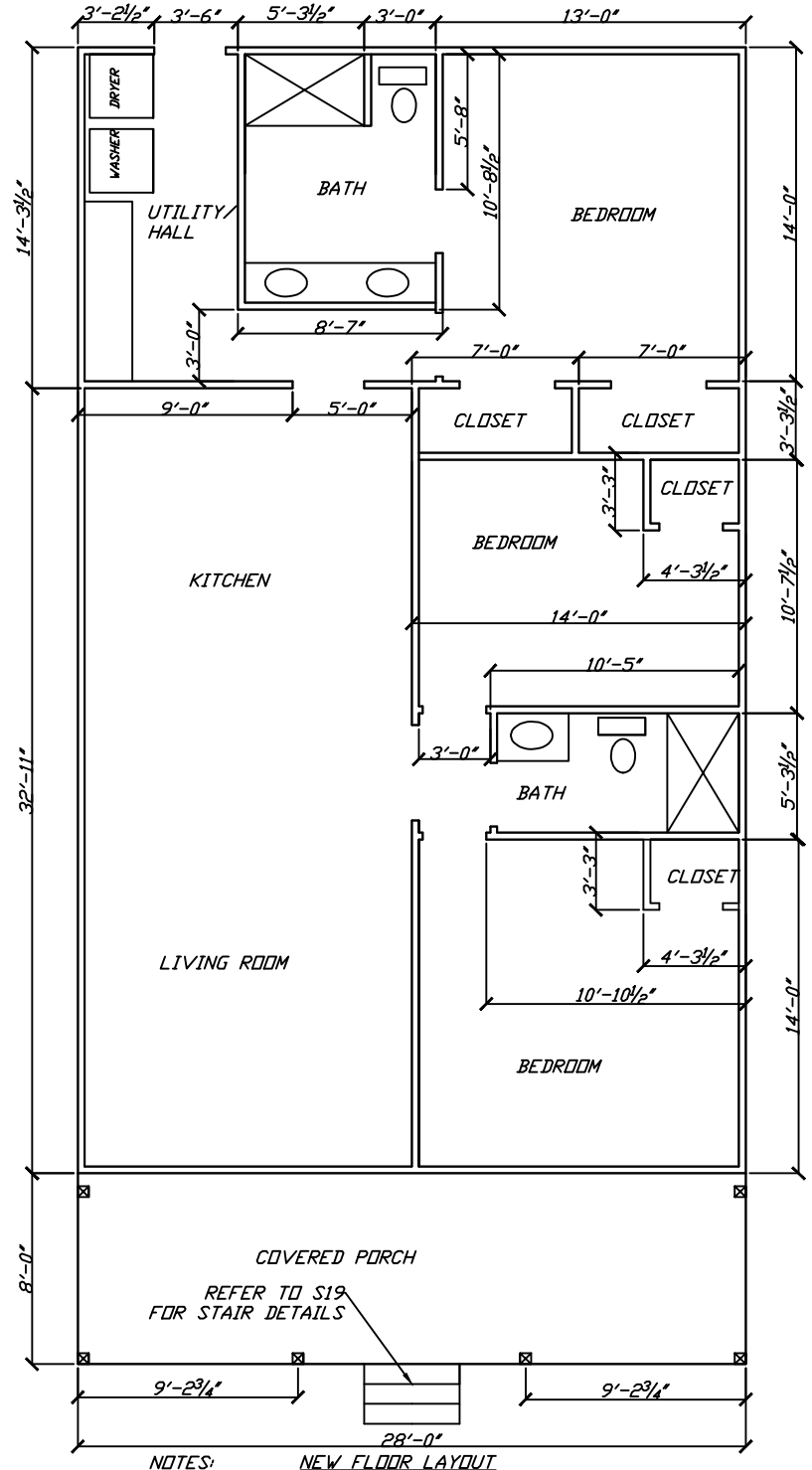
DATE
APRIL 29, 2018

SCALE
1/8"=1'

SHEET
S3 OF 20



NOTES:
 1. ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
 2. ALL CEILING HEIGHTS TO BE FIELD VERIFIED.





NOTES:
 1. ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
 2. ALL CEILING HEIGHTS TO BE FIELD VERIFIED.
 3. ALL NEW EXTERIOR WALLS SHALL BE 2X6 STUDS @ 16"O.C. (SYP #2)
 4. ALL INTERIOR STUDS TO BE 2X4 STUDS @ 16"O.C. (SYP #2OR BETTER)

WES BUCHHORN, PE
 TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
 FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

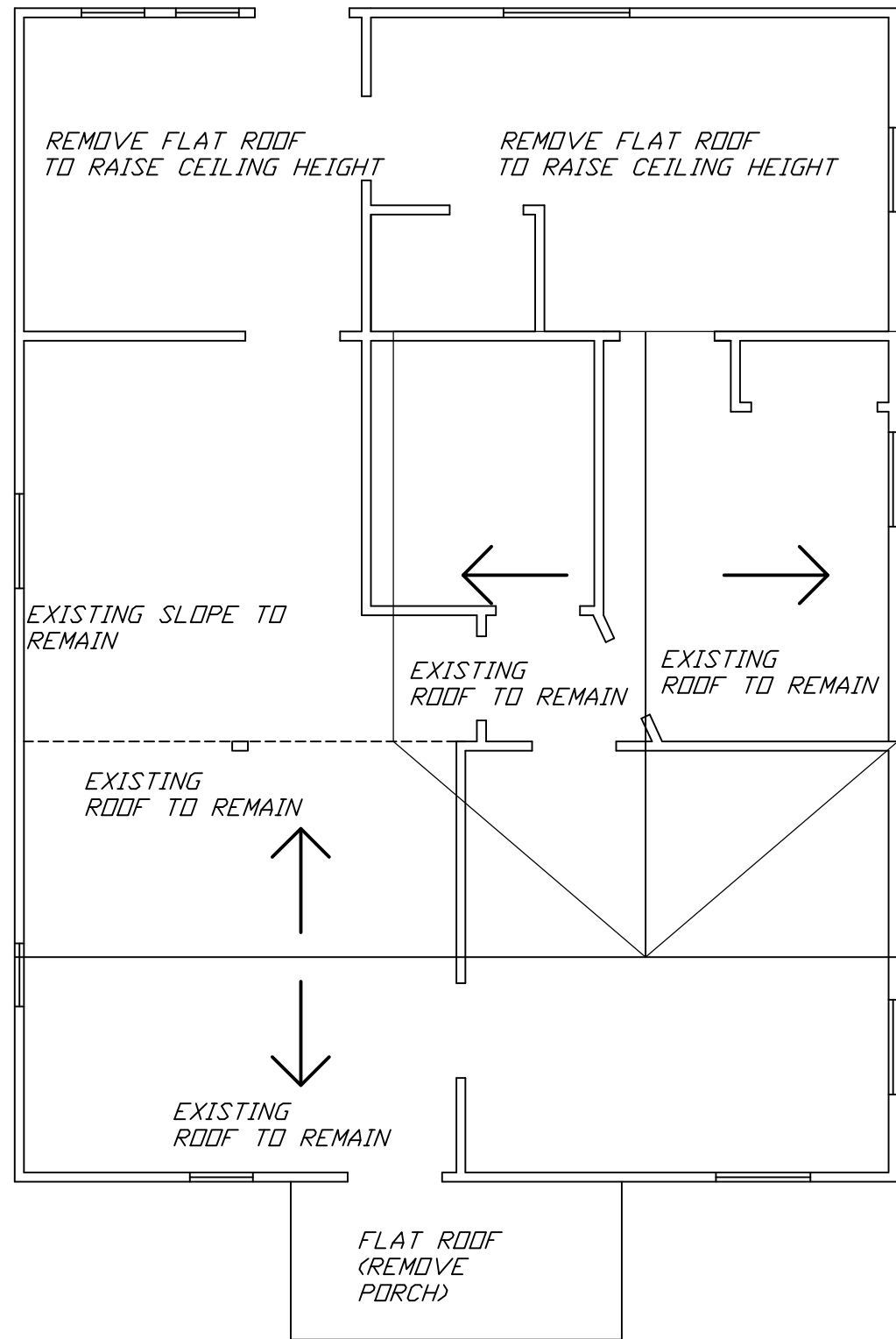

 SOUTHEAST TEXAS
 ENGINEERING AND
 INSPECTIONS, LLC
 (OFFICE) 409-741-8741
 (WES) 409-795-1415
 (TIM) 409-795-1181

 8017 HARBORSIDE DRIVE,
 GALVESTON, TX 77554
 SOUTHEASTTEXASENGINEERING.COM

ENGINEER STAMP AND SIGNATURE

4-29-18

ADDITION
 JOHN SNELL
 3717 AVENUE O 1/2
 GALVESTON, TEXAS

TITLE
**EXISTING/NEW
 FLOOR LAYOUTS**
 DATE
 APRIL 29, 2018
 SCALE
 1/8" = 1'-0"
 SHEET
 S4 OF 20



EXISTING ROOF LAYOUT

EXISTING ROOF LAYOUT IS APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL ROOF PITCHES AND MEMBERS.

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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

4-29-18

ADDITION
JOHN SNELL

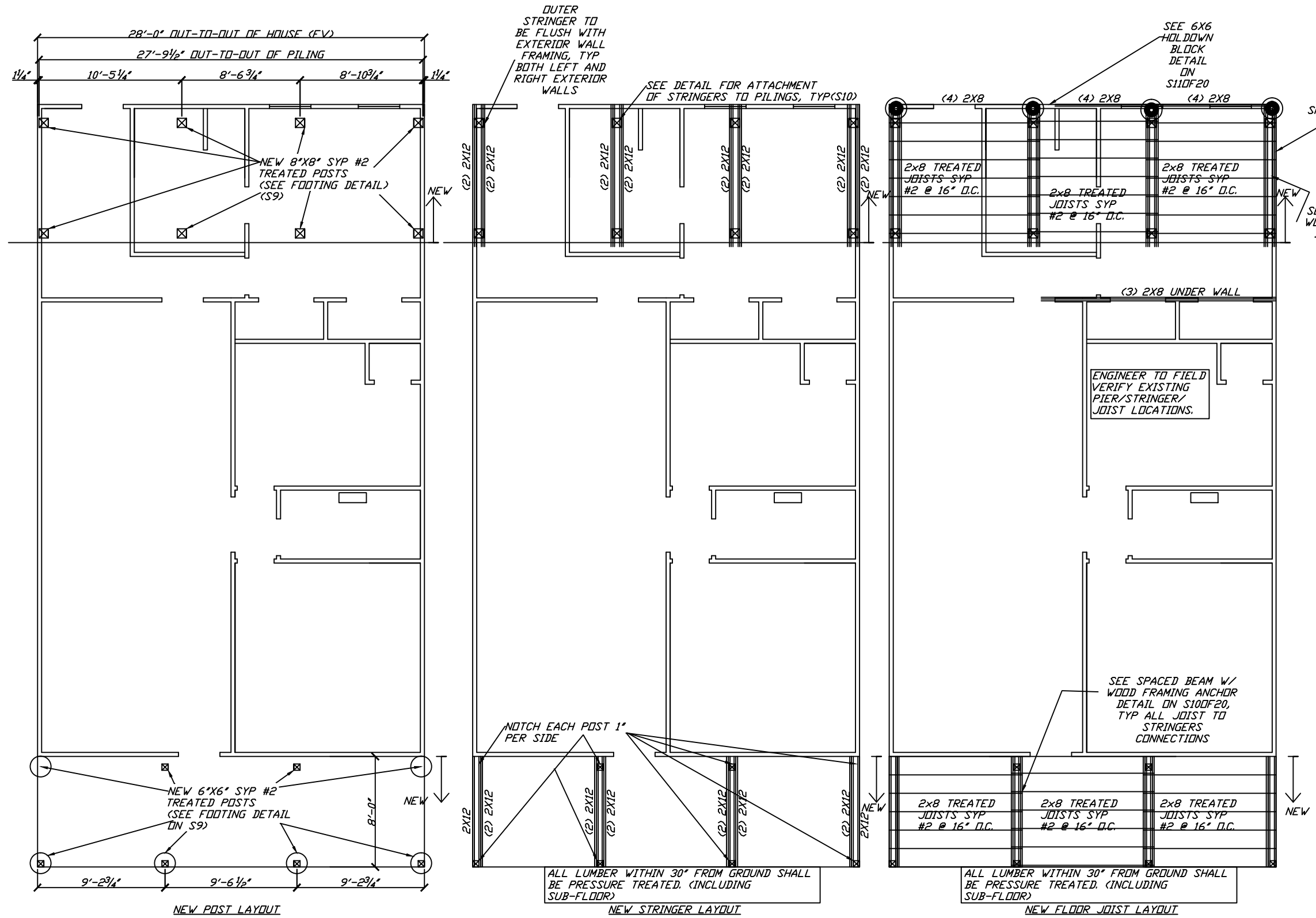
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE EXISTING ROOF LAYOUT	
DATE APRIL 29, 2018	
SCALE 1/8"=1'-0"	SHEET S5 OF 20

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



NOTES:

- ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
- SEE FOOTING DETAIL ON S9.
- ALL POSTS TO BE SYP #2 TREATED OR BETTER.

ALL STRINGERS/JOISTS SHALL BE TREATED/SYP#1, UNO ALL ANTHONY POWERBEAM STRINGERS TO BE TREATED 2400fb-1.8E-300fv ALL ANTHONY POWERBEAM JOISTS SHALL BE 3000fb-2.1E-300fv ALL LUMBER SHALL BE SYP#2 MIN, UNO ALL EXPOSED LUMBER SHALL BE TREATED ALL EXPOSED FASTENERS SHALL BE HDG/SS 1 1/2" T&G SUB-FLOOR DECKING, 4X6 NAILED W/ 10d (.131) NAILS

ALL STRINGERS/JOISTS SHALL BE TREATED/SYP#1, UNO ALL ANTHONY POWERBEAM STRINGERS TO BE TREATED 2400fb-1.8E-300fv ALL ANTHONY POWERBEAM JOISTS SHALL BE 3000fb-2.1E-300fv ALL LUMBER SHALL BE SYP#2 MIN, UNO ALL EXPOSED LUMBER SHALL BE TREATED ALL EXPOSED FASTENERS SHALL BE HDG/SS 1 1/2" T&G SUB-FLOOR DECKING, 4X6 NAILED W/ 10d (.131) NAILS -6"X6" HOLD DOWN BLOCK, SEE DETAIL ON S110F20

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

4-29-18

ADDITION
JOHN SNELL
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
POST/STRINGER FLOOR JOIST LAYOUT

DATE
APRIL 29, 2018

SCALE
1/8"=1'

SHEET
S6 OF 20

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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

4-29-18

ADDITION
JOHN SNELL

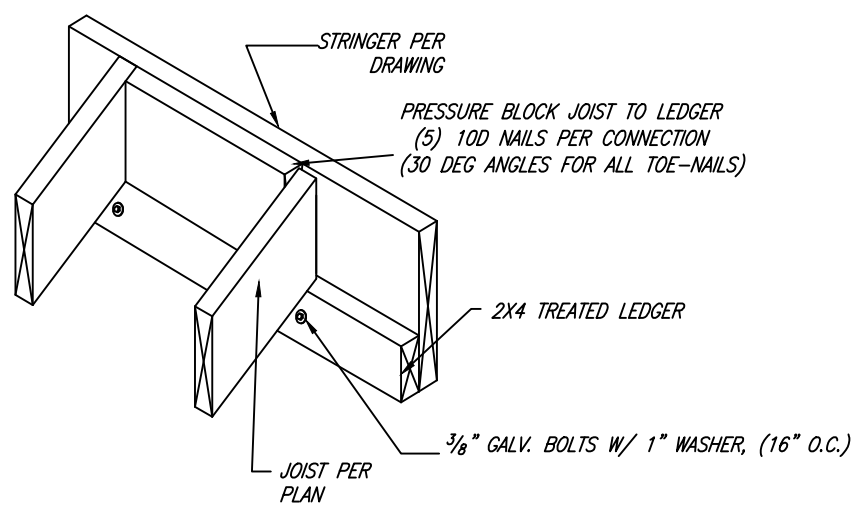
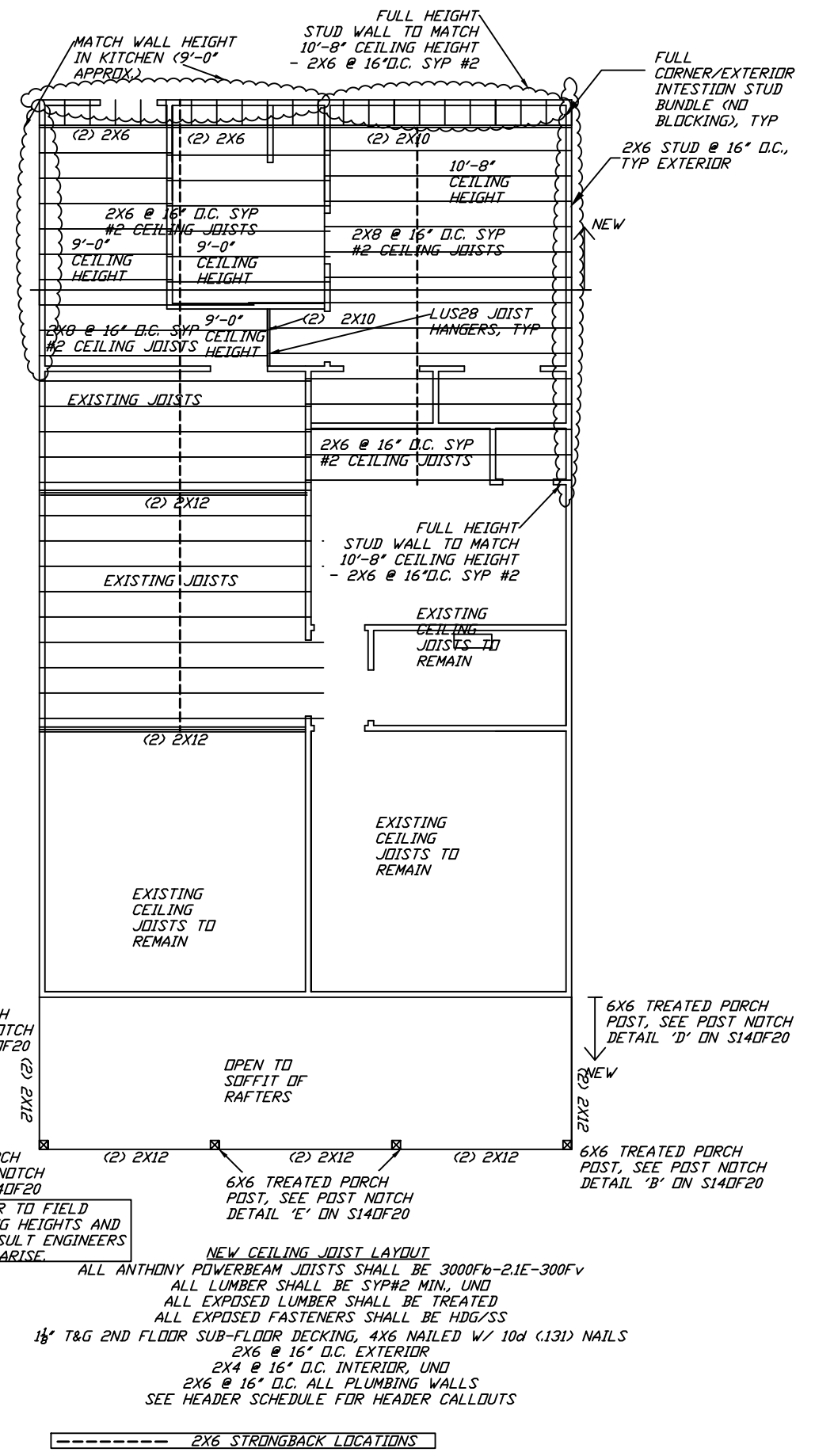
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
NEW CEILING JOIST LAYOUT

DATE
APRIL 29, 2018

SCALE
1/8" = 1'-0"

SHEET
S7 OF 20



LEDGER BOARD CONNECTION DETAIL

NOTE: CONTRACTOR TO FIELD VERIFY ALL CEILING HEIGHTS AND CONSTRUCTION. CONSULT ENGINEERS IF ANY QUESTIONS ARISE.

NEW CEILING JOIST LAYOUT
ALL ANTHONY POWERBEAM JOISTS SHALL BE 3000Fb-2.1E-300Fv
ALL LUMBER SHALL BE SYP#2 MIN, UND
ALL EXPOSED LUMBER SHALL BE TREATED
ALL EXPOSED FASTENERS SHALL BE HDG/SS
1 1/2" T&G 2ND FLOOR SUB-FLOOR DECKING, 4X6 NAILED W/ 10d (.131) NAILS
2X6 @ 16" O.C. EXTERIOR
2X4 @ 16" O.C. INTERIOR, UND
2X6 @ 16" O.C. ALL PLUMBING WALLS
SEE HEADER SCHEDULE FOR HEADER CALLOUTS

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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



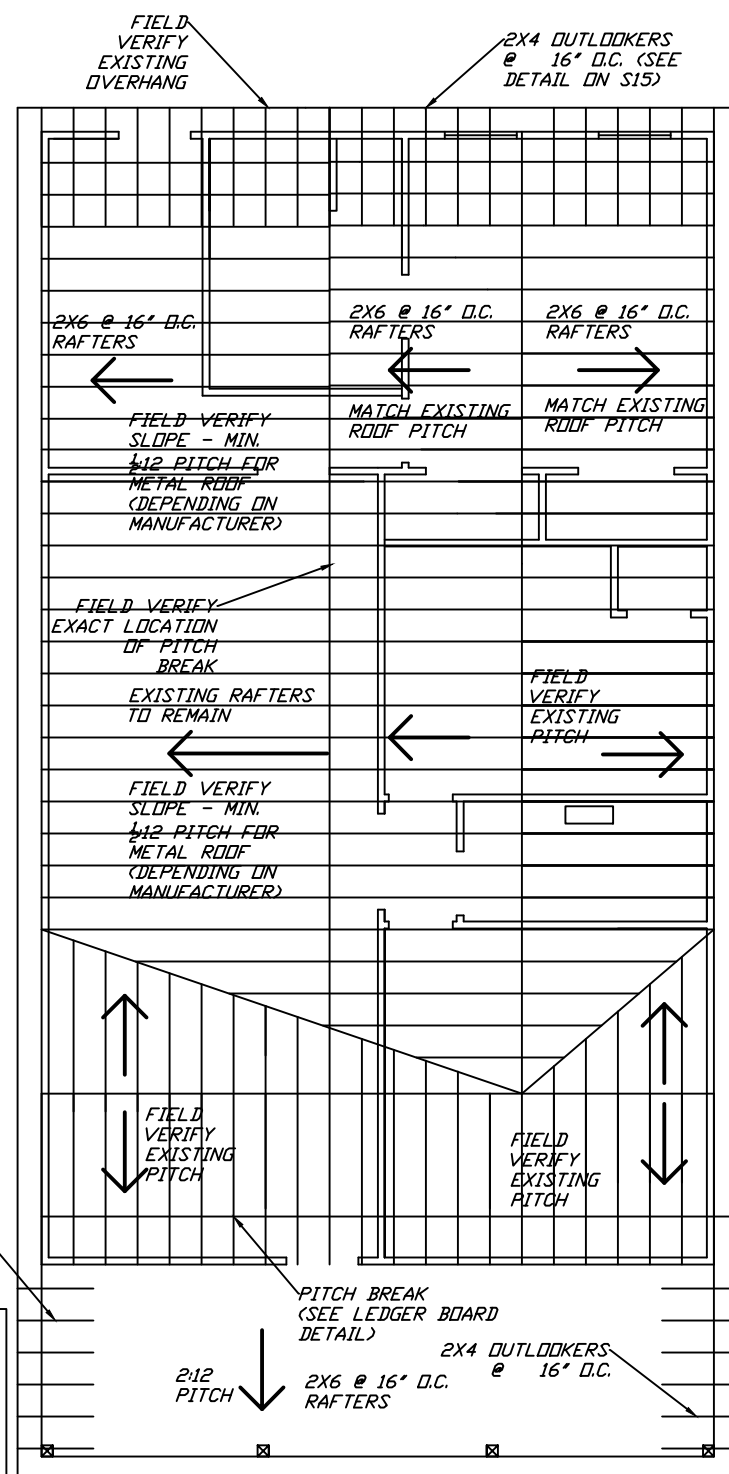
ENGINEER STAMP AND SIGNATURE

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

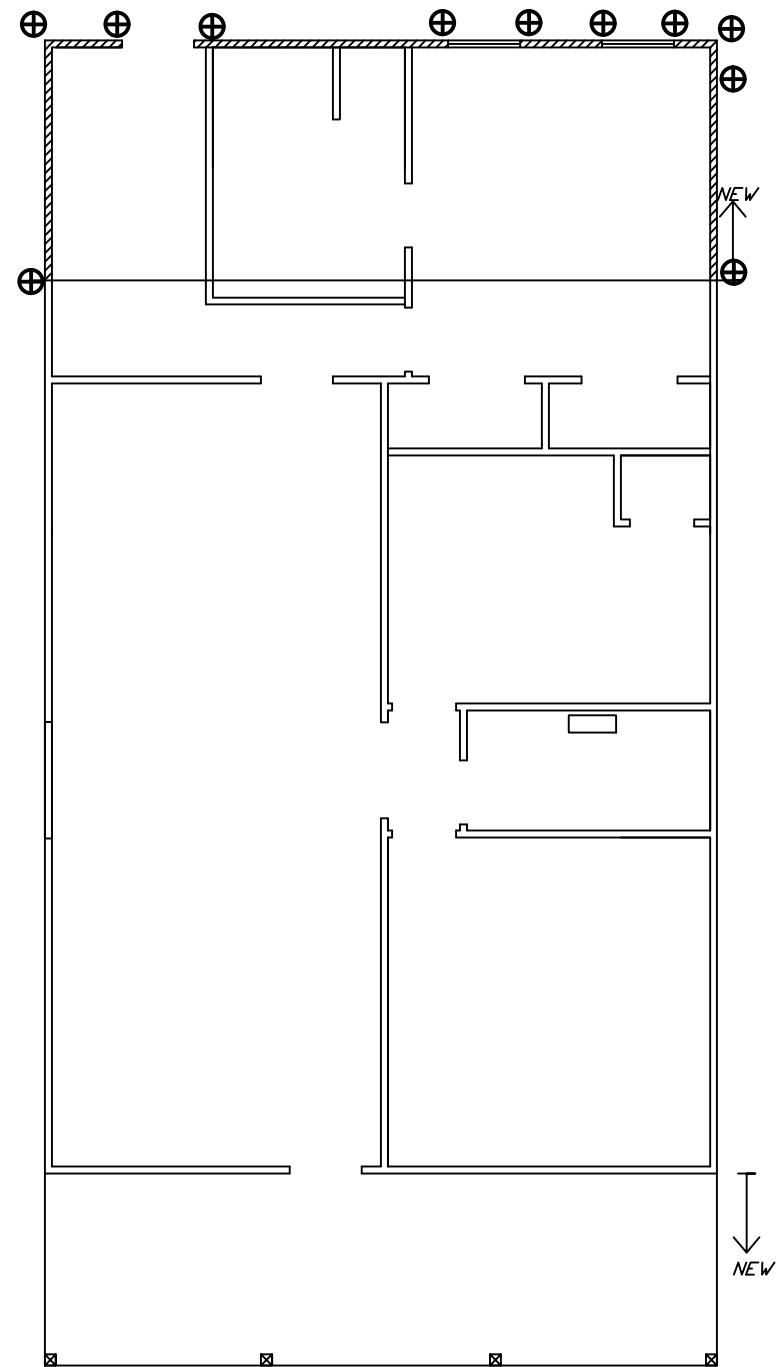
TITLE NEW ROOF LAYOUT	
DATE APRIL 29, 2018	
SCALE 1/8" = 1'-0"	SHEET S8 OF 20



NEW ROOF LAYOUT IS APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR/FRAMER PRIOR TO STARTING CONSTRUCTION. SETE IS NOT LIABLE FOR INACCURACY OF TIE-INS AND LOCATIONS.

NEW ROOF LAYOUT

ALL RAFTERS TO BE 2X6 @ 16" O.C. (UND), SYP#2 MIN., (EXCEPT WHERE 2X8'S ARE SPECIFIED) 8'-6" MAX. UNSUPPORTED SPAN, SEE PURLIN BRACE DETAIL ON S16DF20
ALL HIP/RIDGES TO BE 2X10 (UND), BRACED 4'-0" O.C., SEE PURLIN BRACE DETAIL ON S16DF20
LSTA24 HIP/RIDGE STRAPS @ 16" O.C., SEE DETAIL ON S15DF20
2X4 COLLAR TIES @ 16" O.C., SEE DETAIL ON S15DF20
NAIL ALL CEILING JOIST TO RAFTER W/ (5) 10d COMMON GALV. NAILS, TYP
H2.5A CLIP EACH RAFTER TO TOP PLATE, SEE DETAIL ON S12DF20
5/8" PLY ROOF DECK, 4X6 NAILED W/ 10d COMMON GALV. NAILS UNDER 30LB. FELT COMPOSITION SHINGLES INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS



1ST FLOOR SHEARWALL/HOLDDOWN LAYOUT

- 3/8" PLY, 4X6 NAILED W/ 10d (.131) NAILS
- (2) MSTA36 STRAPS, SEE DETAIL ON S12DF20

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
1	ORIGINAL RELEASE	1-16-18
2	REVISED	1-23-18
3	REVISED	2-7-18
4	REVISED	4-5-18
5	REVISED	4-20-18

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

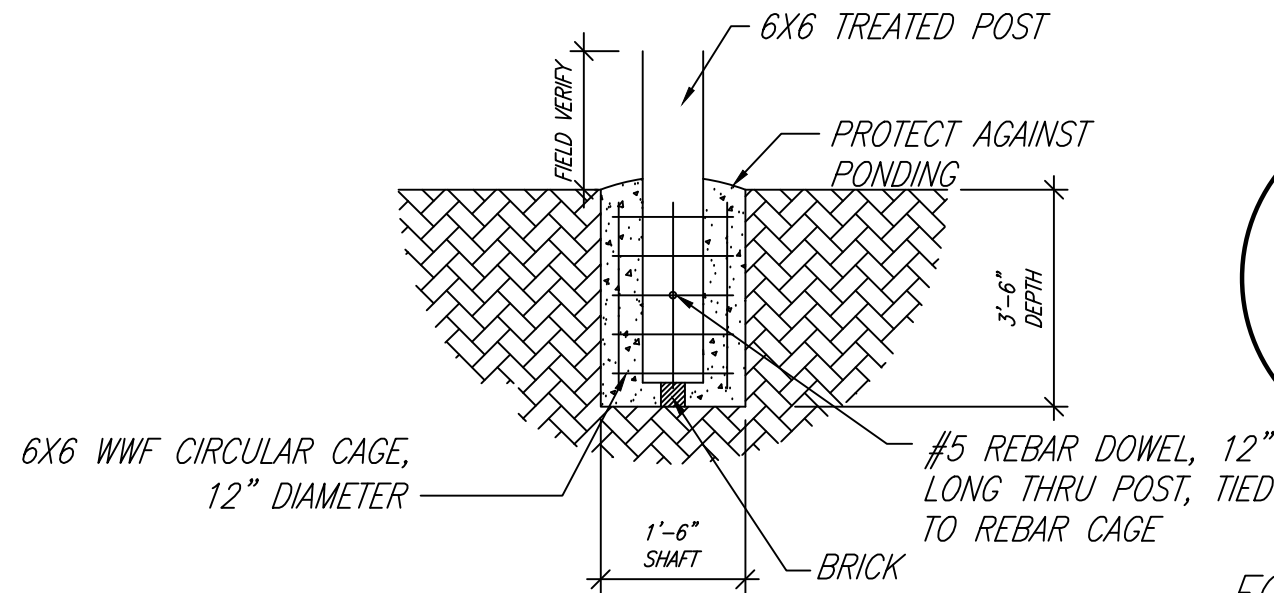
ENGINEER STAMP AND SIGNATURE

4-29-18

ADDITION
JOHN SNELL

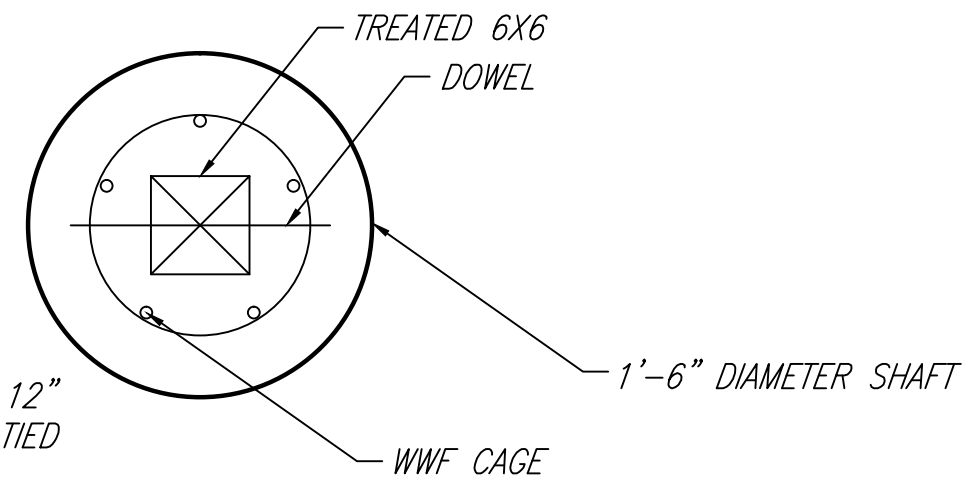
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE	
SHEARWALL LAYOUTS	
DATE APRIL 29, 2018	
SCALE 1/8"=1'-0"	SHEET S8.1 OF 20

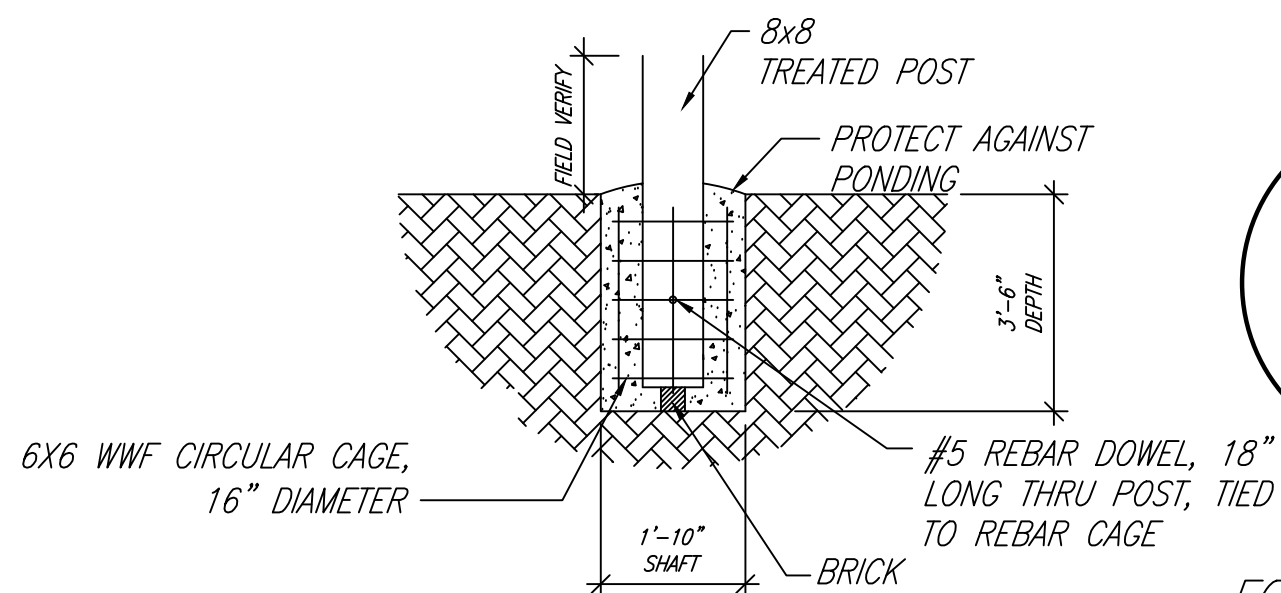


FOOTING DETAIL FOR
NON-DRIVEN PILES
FILL W/ 3000 PSI CONCRETE

6"X6" FOOTING DETAILS

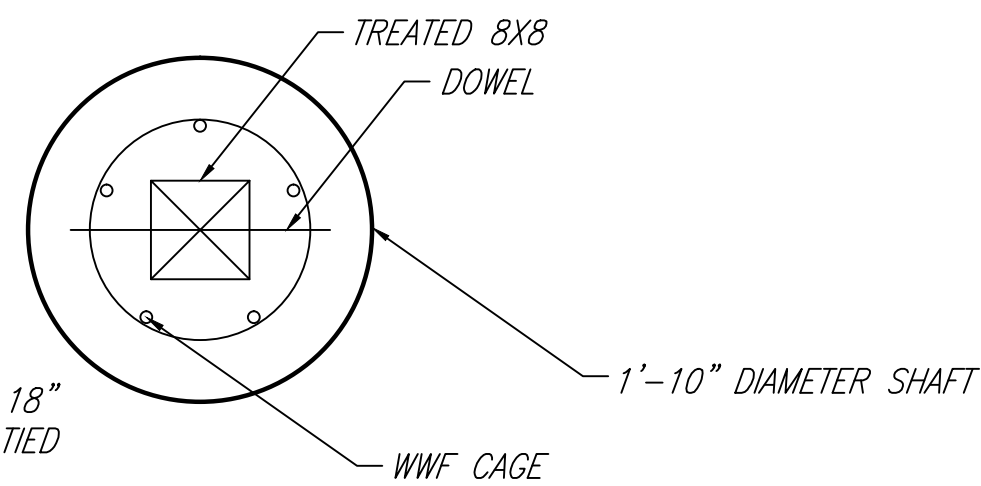


FOOTING DETAIL FOR
NON-DRIVEN PILES
TOP VIEW



FOOTING DETAIL FOR
NON-DRIVEN PILES
FILL W/ 3000 PSI CONCRETE

8"X8" FOOTING DETAILS



FOOTING DETAIL FOR
NON-DRIVEN PILES
TOP VIEW

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE FOOTINGDETAILS	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S9 OF 20

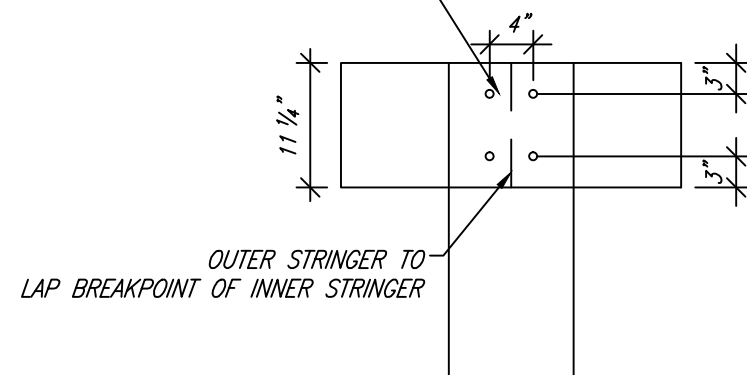
WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

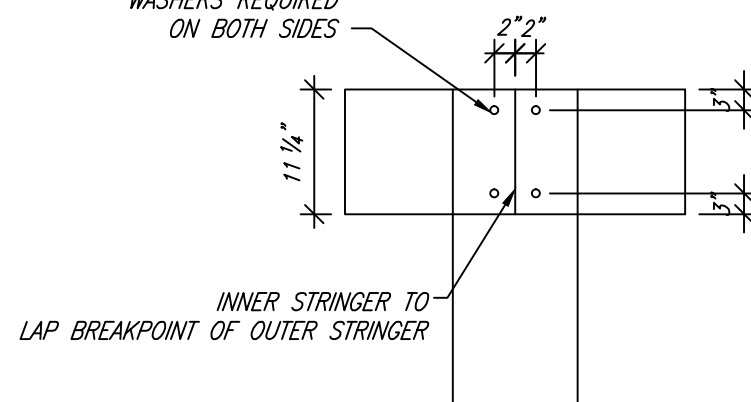
NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

(4) 5/8" GALVANIZED BOLTS, NUTS AND WASHERS REQUIRED ON BOTH SIDES



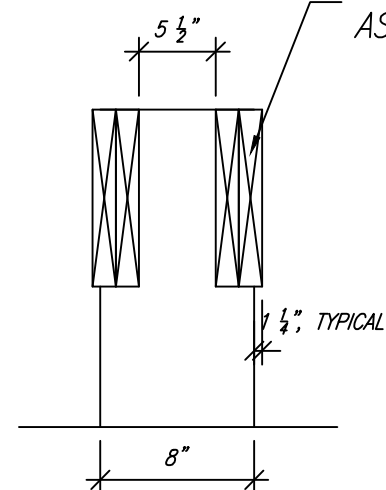
WITHOUT BUTT JOINT

(4) 5/8" GALVANIZED BOLTS, NUTS AND WASHERS REQUIRED ON BOTH SIDES

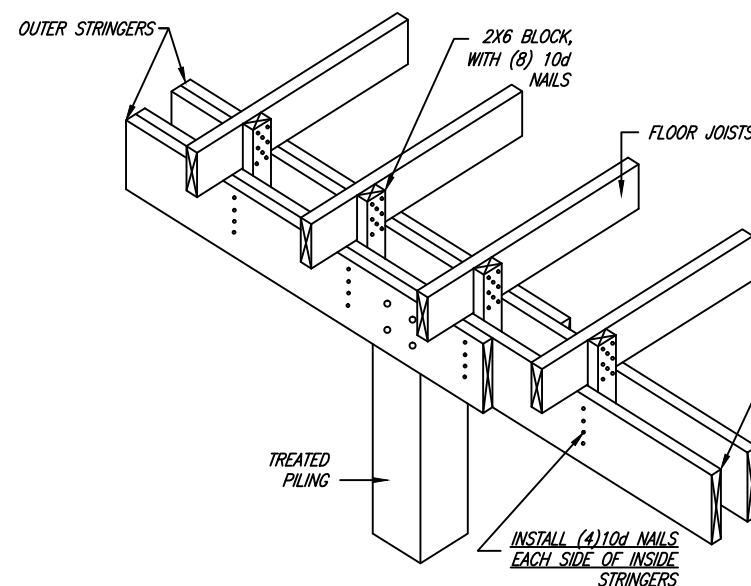


WITH BUTT JOINT
DO NOT LOCATE MULTIPLE JOINTS AT SAME SIDE OF PILE

STRINGERS AS SHOWN ON PLANS,



PILE NOTCH DETAIL



SPACED BEAM WITH 2X6 WOOD FRAMING ANCHORS

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

FOR ANTHONY POWERBEAM STRINGERS:
INSTALL (3) #10 SDS WOOD
SCREWS EACH SIDE OF STRINGERS
TO 2X6 BLOCK, 1/2" MIN.
PENETRATION INTO EACH BLOCK



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

4-29-18

ADDITION
JOHN SNELL

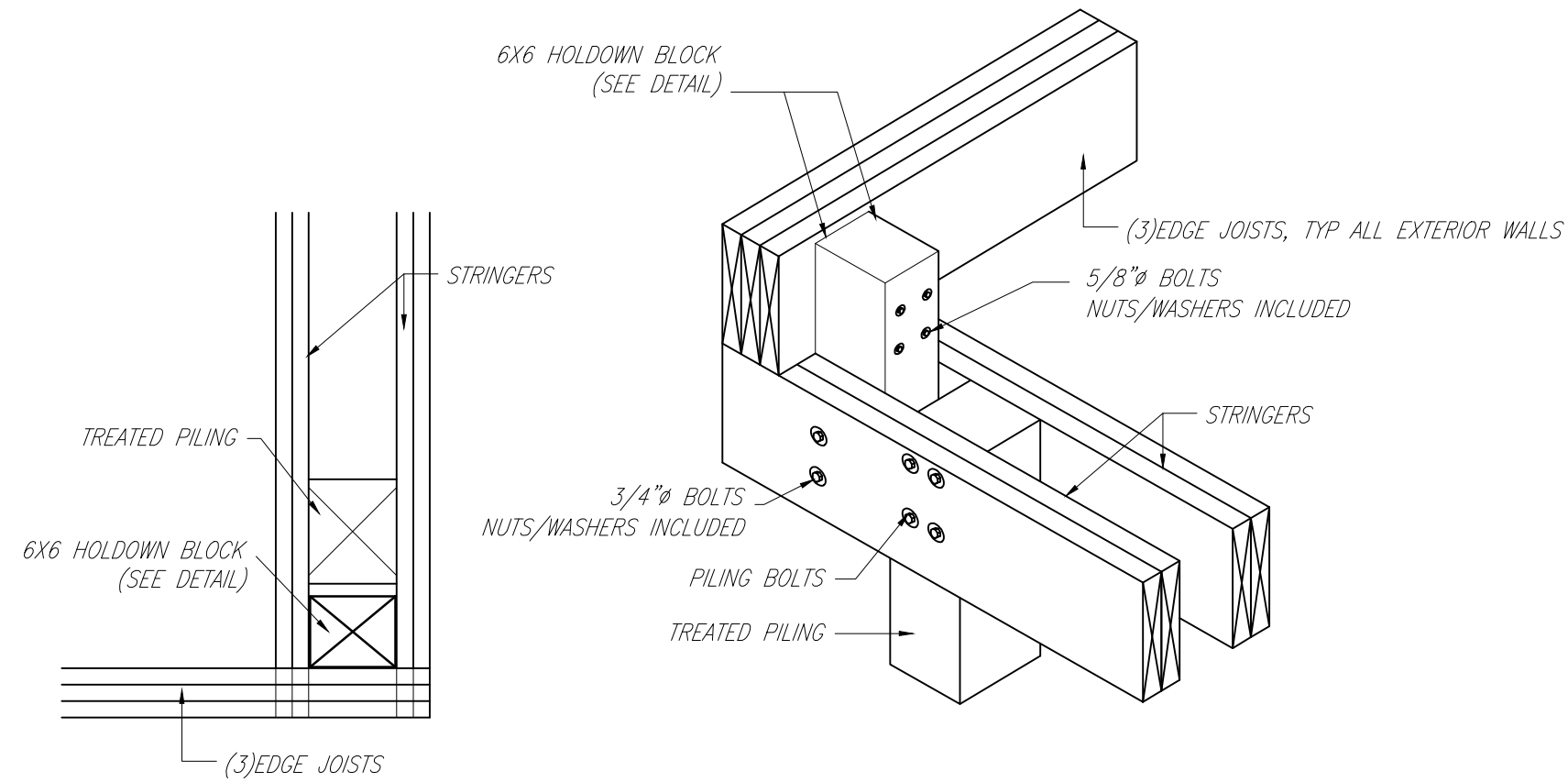
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
STRINGER/JOIST DETAILS

DATE
APRIL 29, 2018

SCALE
NTS

SHEET
S10 OF 20



TOP VIEW *ISOMETRIC VIEW*
HOLDOWN BLOCK BRACKET EDGE JOISTS TO STRINGERS
 NOT DRAWN TO SCALE

WES BUCHHORN, PE
 TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED


FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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

4-29-18

ADDITION
 JOHN SNELL

 3717 AVENUE O 1/2
 GALVESTON, TEXAS

TITLE PORCH POST & HOLDOWN BLOCK DETAILS	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S11 OF 20

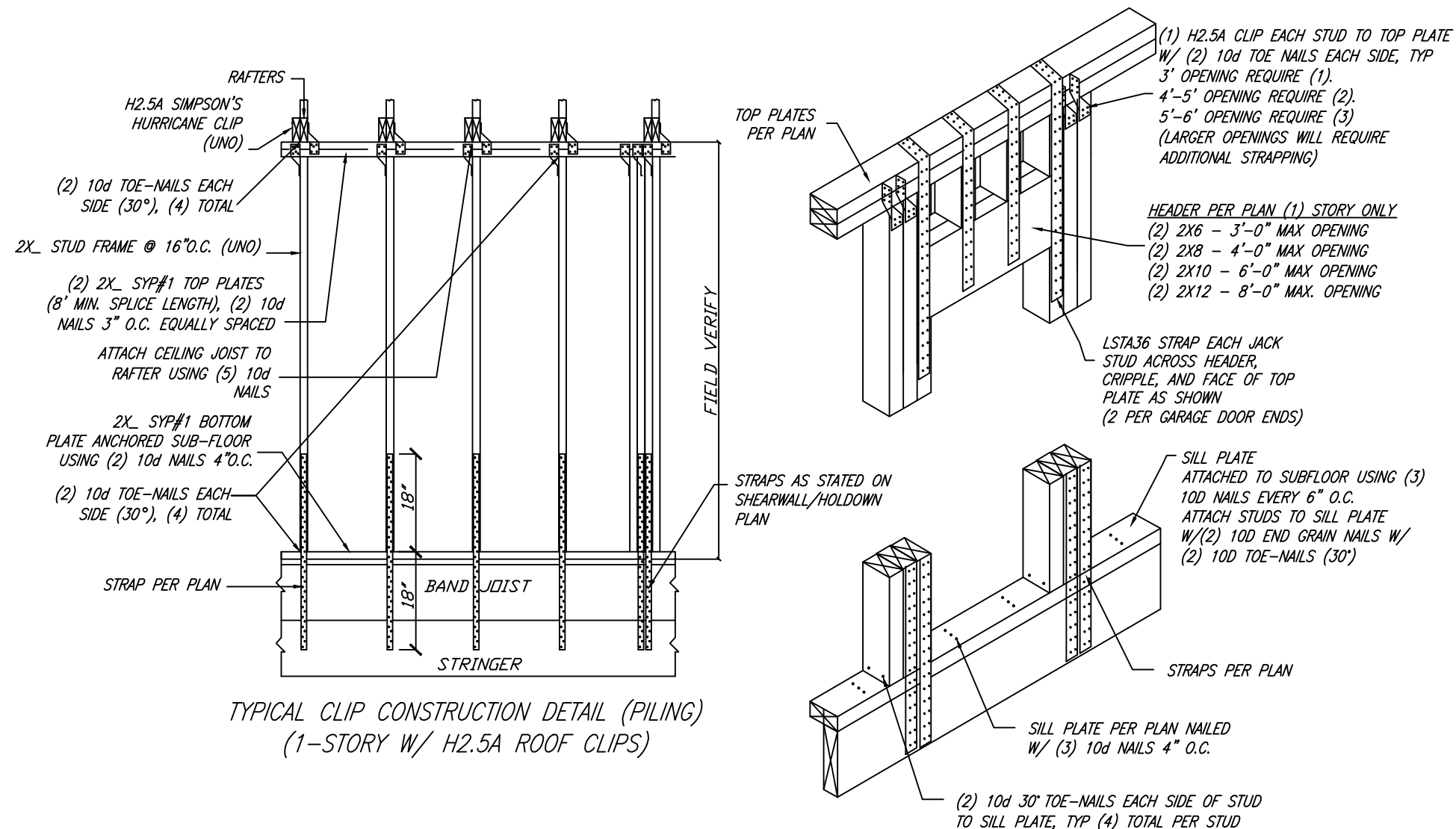
WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

KING/JACK STUD TABLE
 3' OR LESS OPENING - (1) KING AND (1) JACK EACH SIDE
 3'-4' OPENING - (2) KING AND (2) JACK STUDS EACH SIDE
 4'-5' OPENING - (3) KING AND (2) JACK STUDS EACH SIDE
 5'-6' OPENING - (4) KING AND (2) JACK STUDS EACH SIDE
 ALL OTHER SPANS AND # KING/JACK STUDS NOTED ON PLANS



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

4-29-18

ADDITION
 JOHN SNELL
 3717 AVENUE O 1/2
 GALVESTON, TEXAS

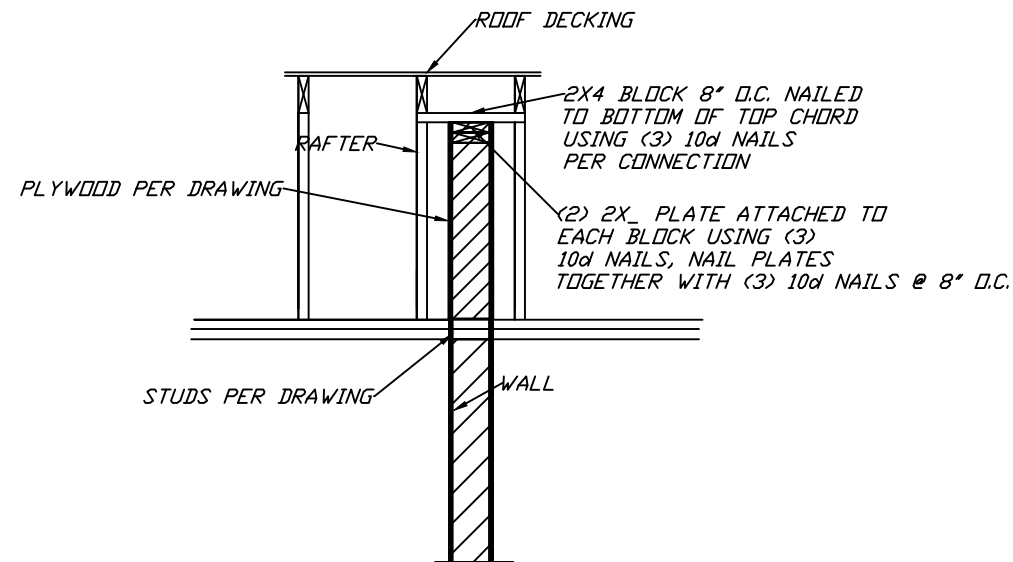
TITLE CLIP/STRAP DETAILS	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S12 OF 20

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

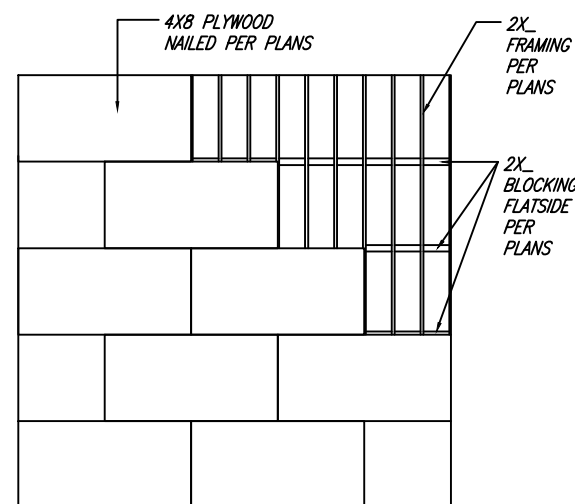
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

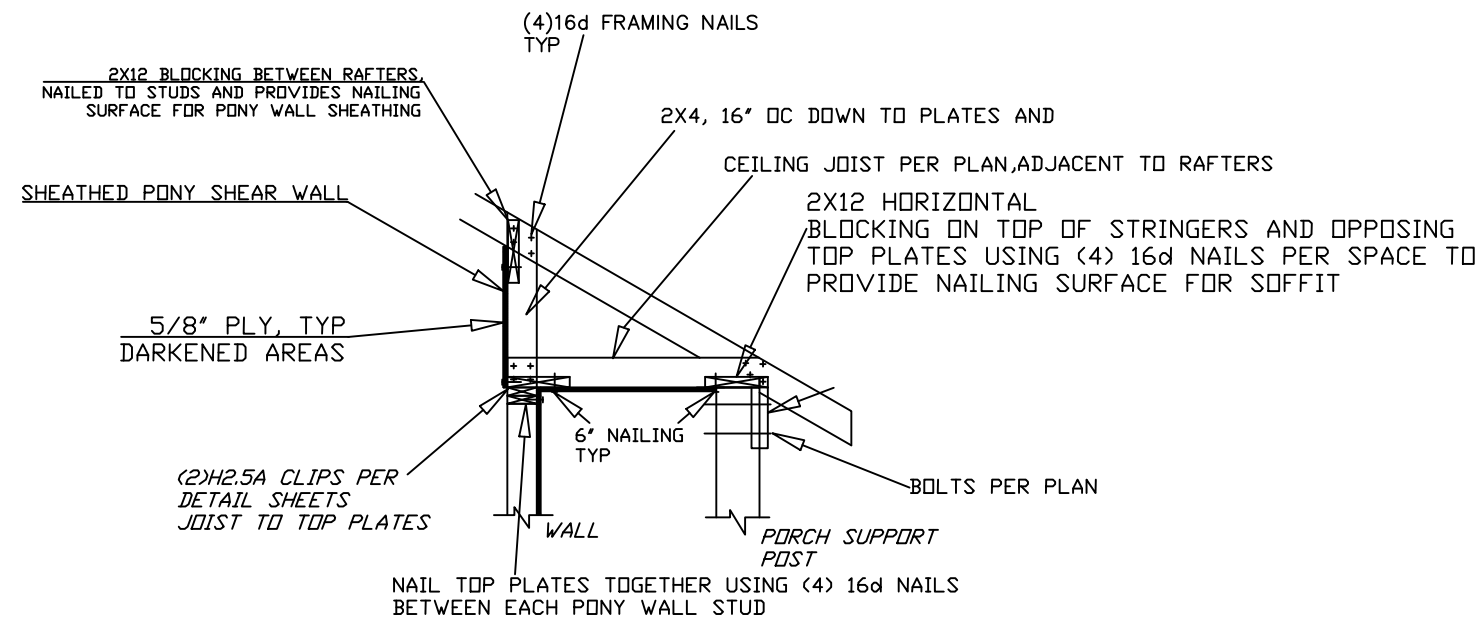


ATTIC SHEARWALL DETAIL

(NOTE: CONSTRUCT PONYWALLS THAT RUN PERPENDICULAR W/ RAFTERS AS A TYPICAL EXTERIOR WALL - TOP PLATES, PLYWOOD, CLIPS/STRAPS, ETC.)



TYPICAL LAYOUT FOR SHEARWALLS
4X6 NAILED W/ 10d COMMON GALV. NAILS, TYP



ATTIC SHEARWALL DETAIL

RAFTER PARALLEL W/ JOIST
ELEVATION SECTION VIEW

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

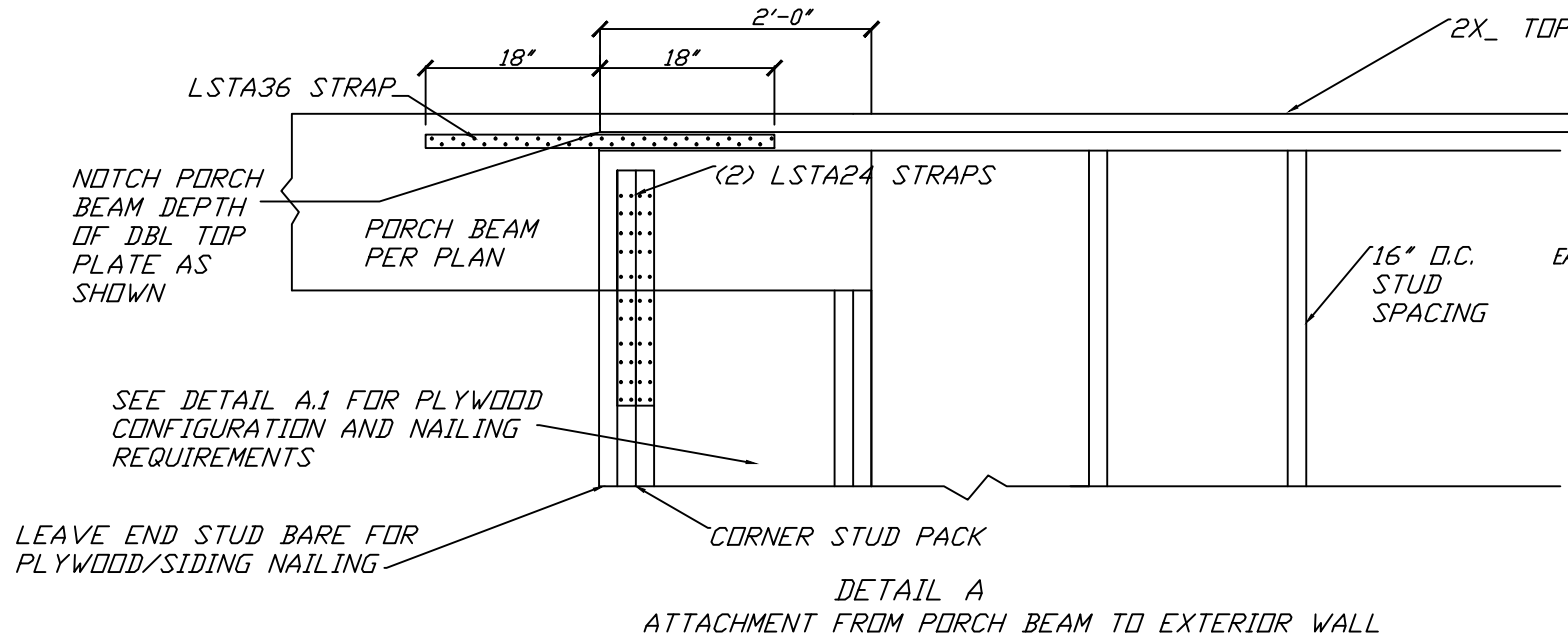
4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

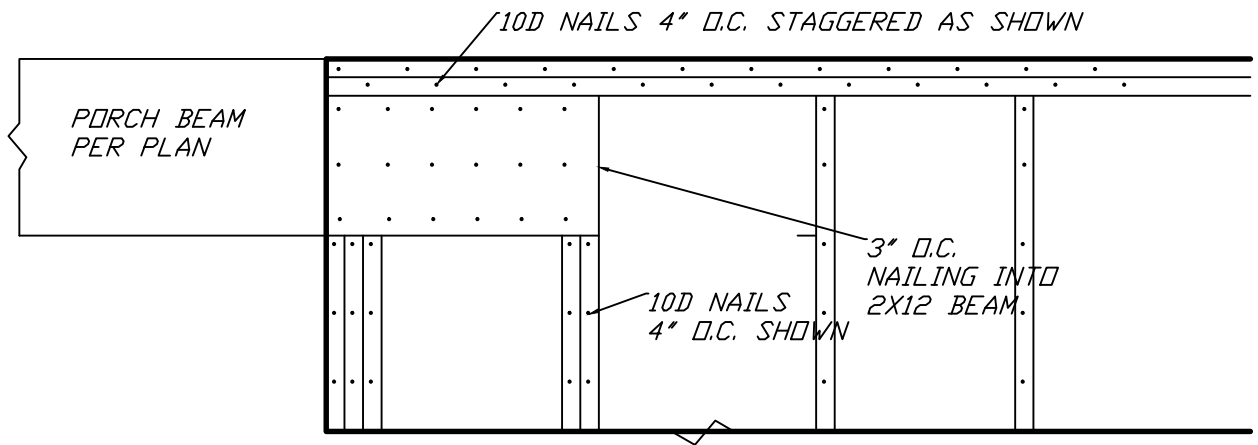
TITLE
SHEARWALL DETAILS

DATE
APRIL 29, 2018
SCALE
NTS
SHEET
S13 OF 20

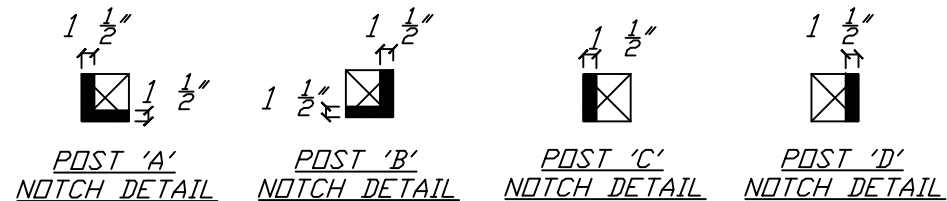


LEAVE END STUD BARE FOR PLYWOOD/SIDING NAILING

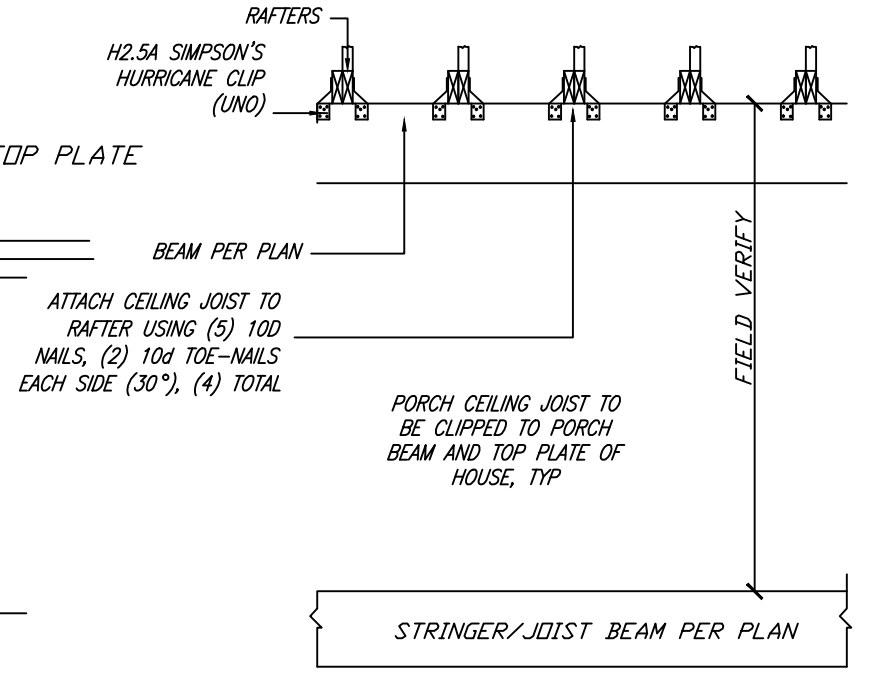
DETAIL A
ATTACHMENT FROM PORCH BEAM TO EXTERIOR WALL



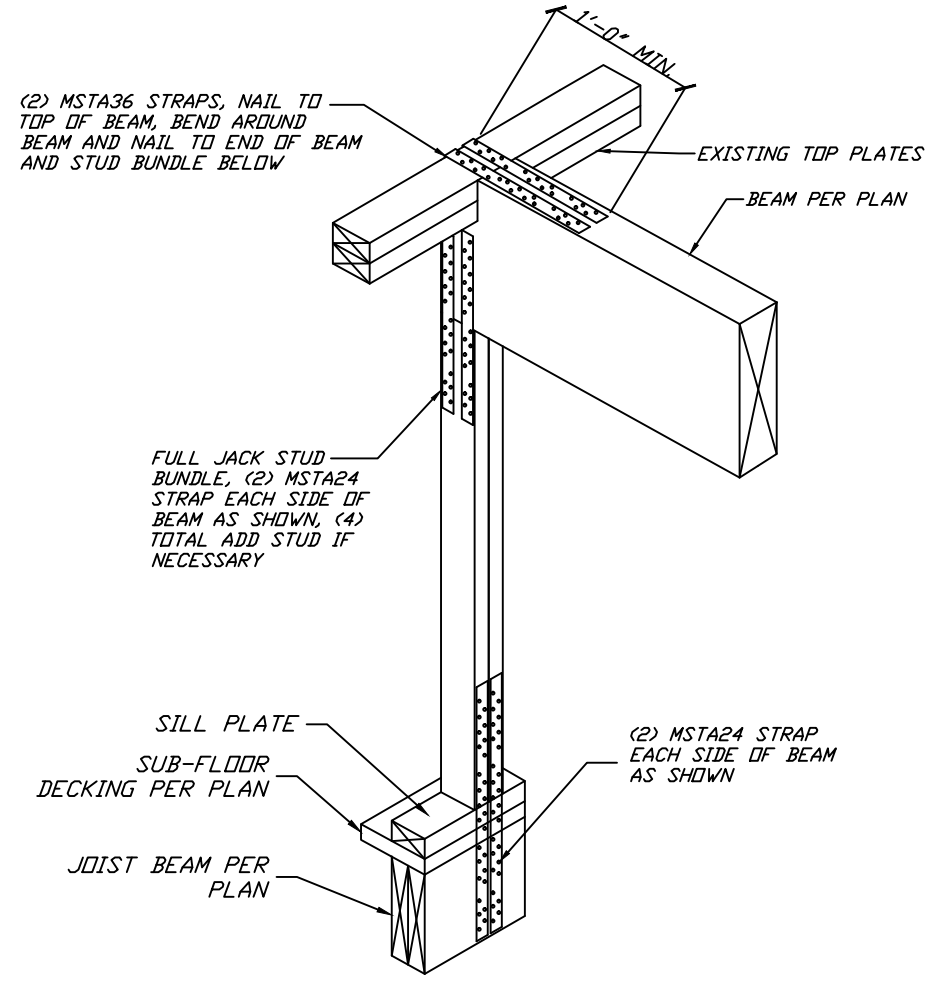
DETAIL A.1
PLYWOOD ATTACHMENT FROM BEAM TO EXTERIOR WALL.
PORCH BEAM ATTACHMENT DETAILS



PORCH POST NOTCH DETAIL FOR DROP BEAM
ALL NOTCHES TO BE FULL DEPTH OF BEAM
(4) 1/2" GALV. BOLTS EQUALLY SPACED PER POST, DO NOT COUNTERSINK
CORNER POSTS TO HAVE (2) 1/2" GALV. BOLTS EQUALLY SPACED EACH DIRECTION



TYPICAL CLIP CONSTRUCTION DETAIL
(COVERED PORCH WITH H2.5A ROOF CLIPS)



PORCH BEAM CONNECTION
(HOUSE SIDE W/ BEAM PERPENDICULAR TO WALL)
NOT DRAWN TO SCALE

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

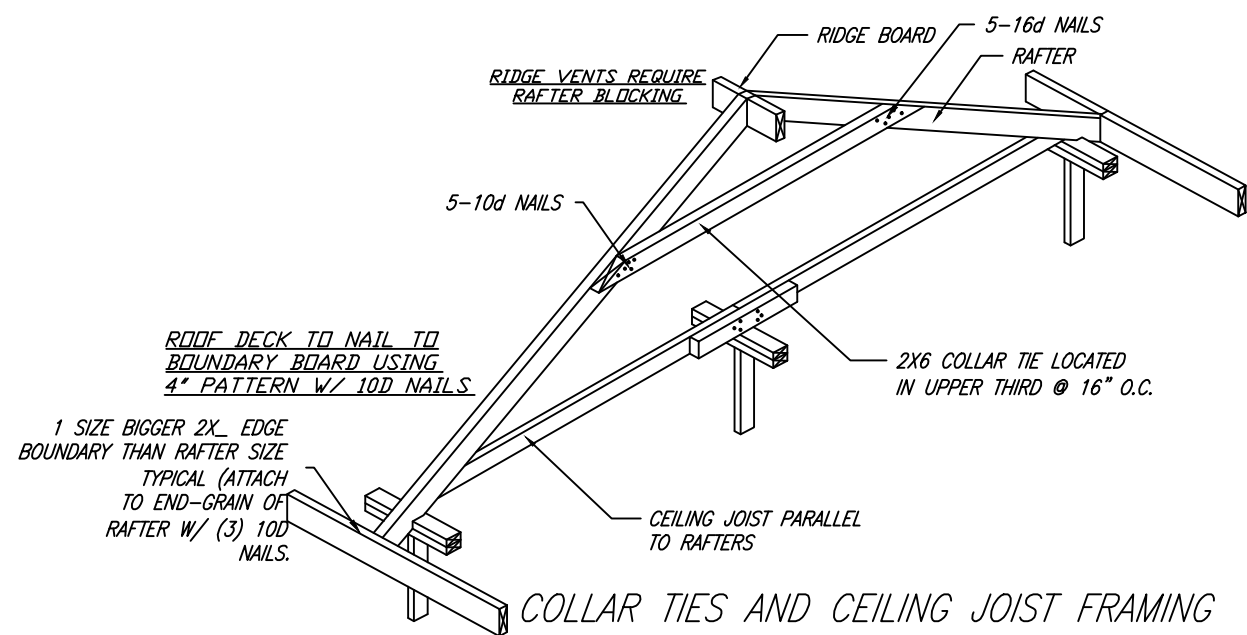
TITLE	
PORCH DETAILS	
DATE	APRIL 29, 2018
SCALE	NTS
SHEET	S14 OF 20

WES BUCHHORN, PE
TIM BUCHHORN, PE

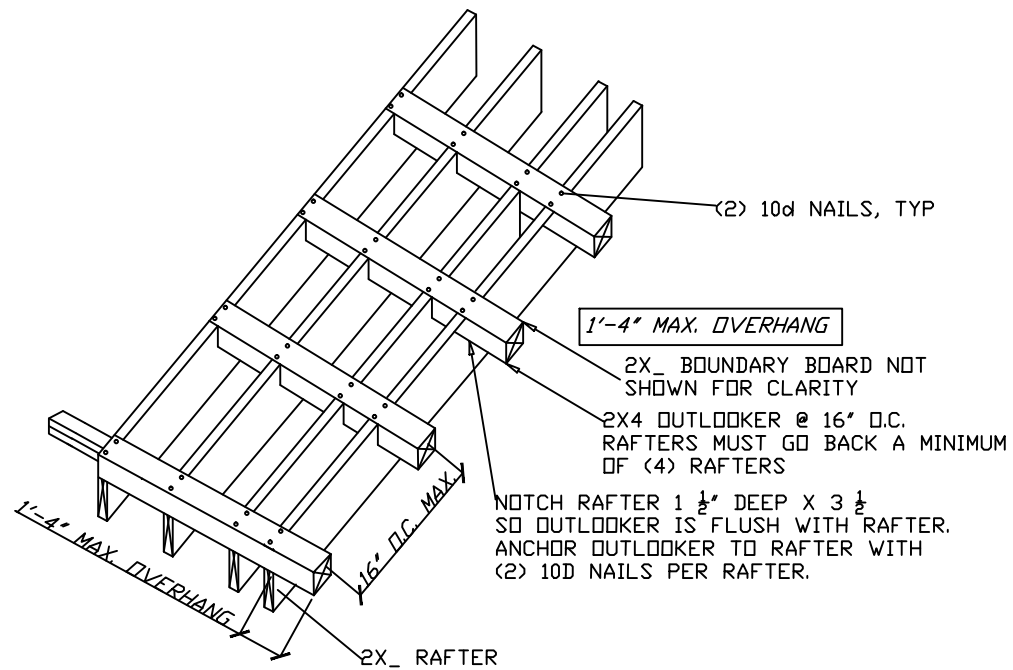
THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

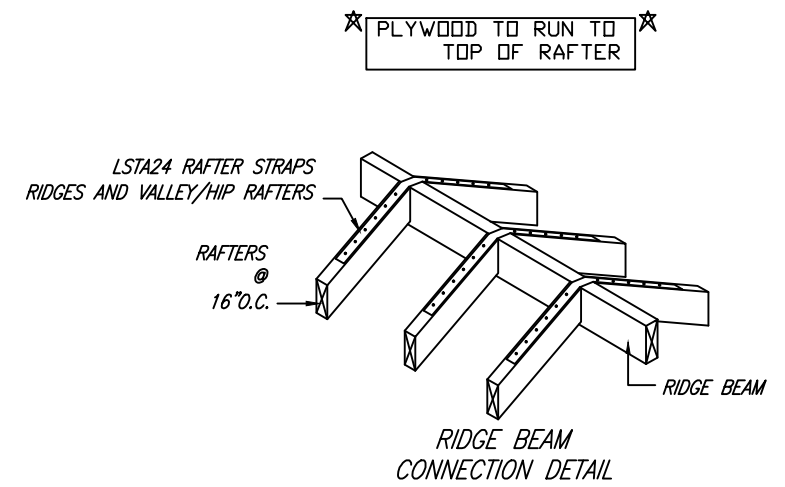
NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18





COLLAR TIES AND CEILING JOIST FRAMING



GABLE OVER HANG (2X4 OUTLOOKERS)



RIDGE BEAM CONNECTION DETAIL

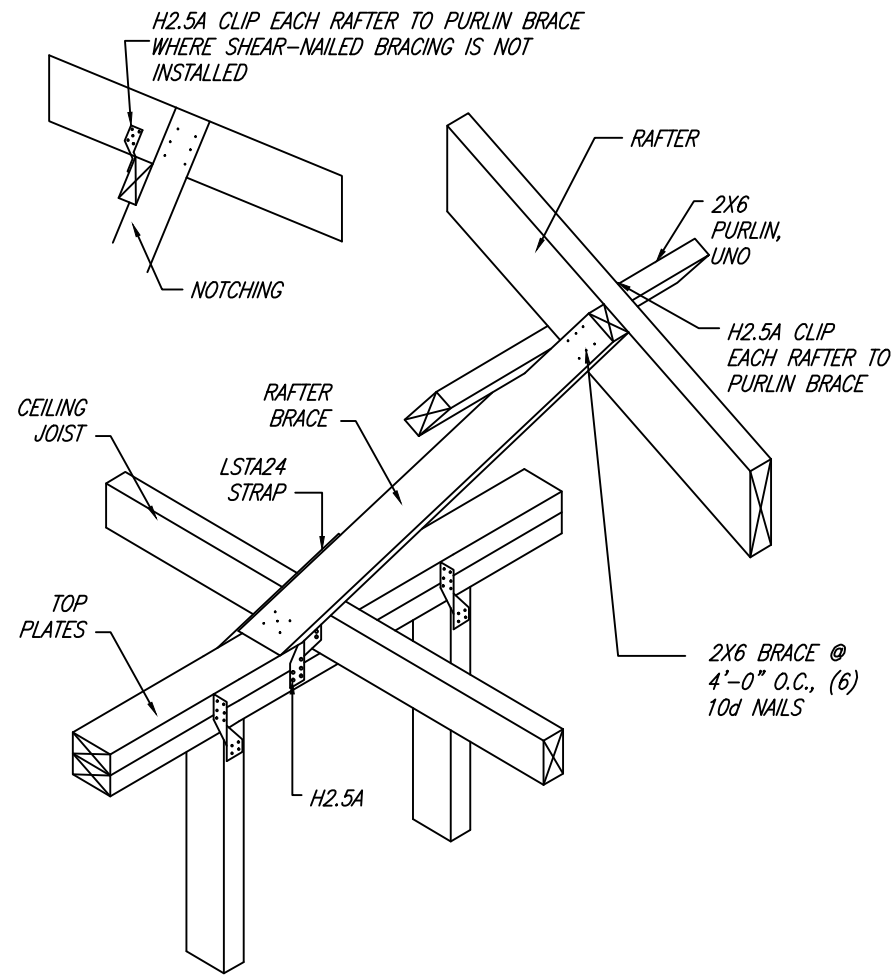

 SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS, LLC
 (OFFICE) 409-741-8741
 (WES) 409-795-1415
 (TIM) 409-795-1181

 8017 HARBORSIDE DRIVE,
 GALVESTON, TX 77554
 SOUTHEASTTEXASENGINEERING.COM

ENGINEER STAMP AND SIGNATURE

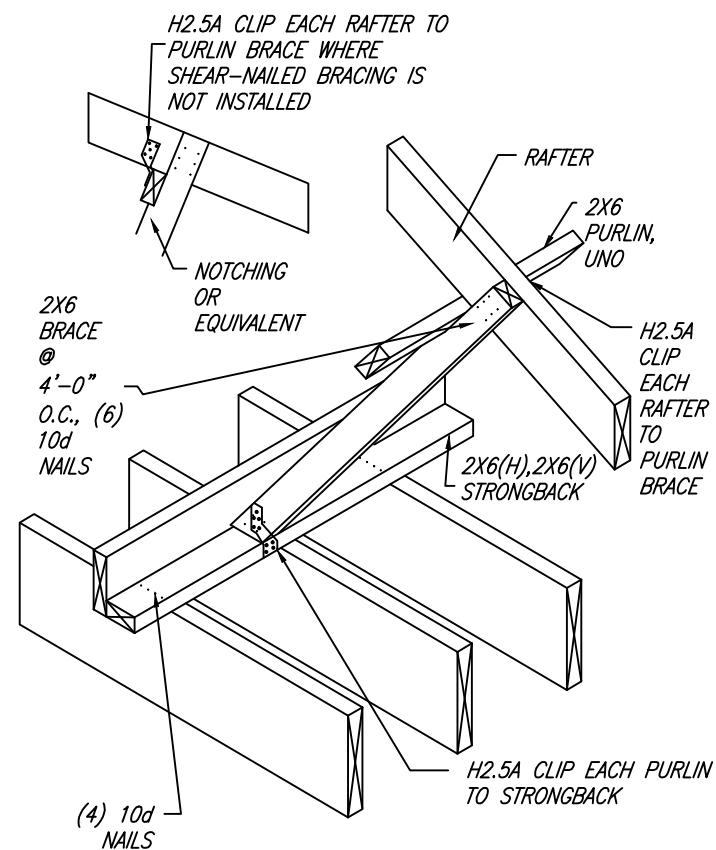
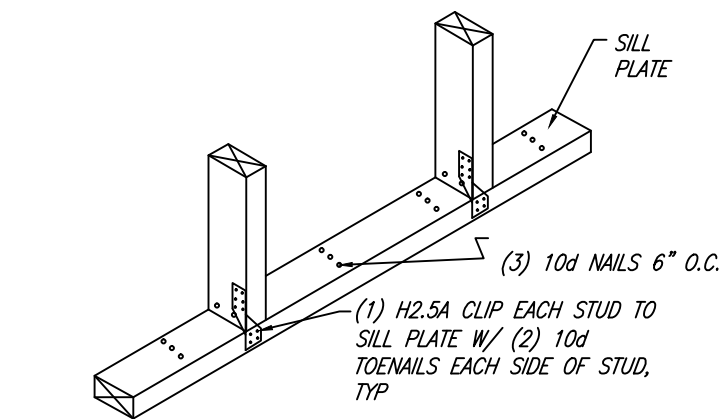
4-29-18

ADDITION
 JOHN SNELL
 3717 AVENUE O 1/2
 GALVESTON, TEXAS

TITLE	
ROOF DETAILS1	
DATE	APRIL 29, 2018
SCALE	NTS
SHEET	S15 OF 20



RAFTER BRACE CONNECTION



RAFTER BRACE CONNECTION WITH STRONGBACKS

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18



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

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
ROOF DETAILS2

DATE
APRIL 29, 2018

SCALE
NTS

SHEET
S16 OF 20

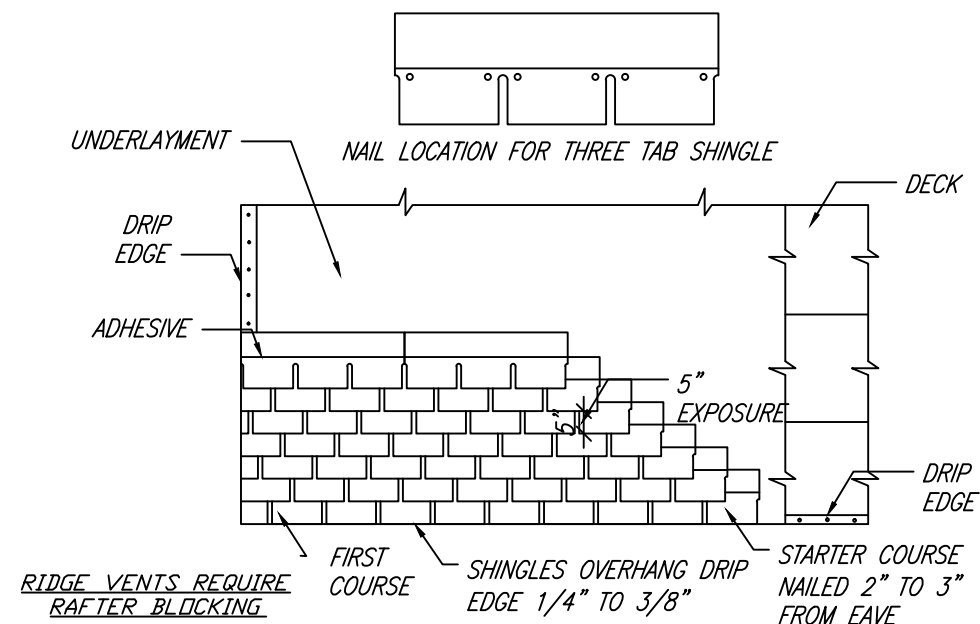
WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

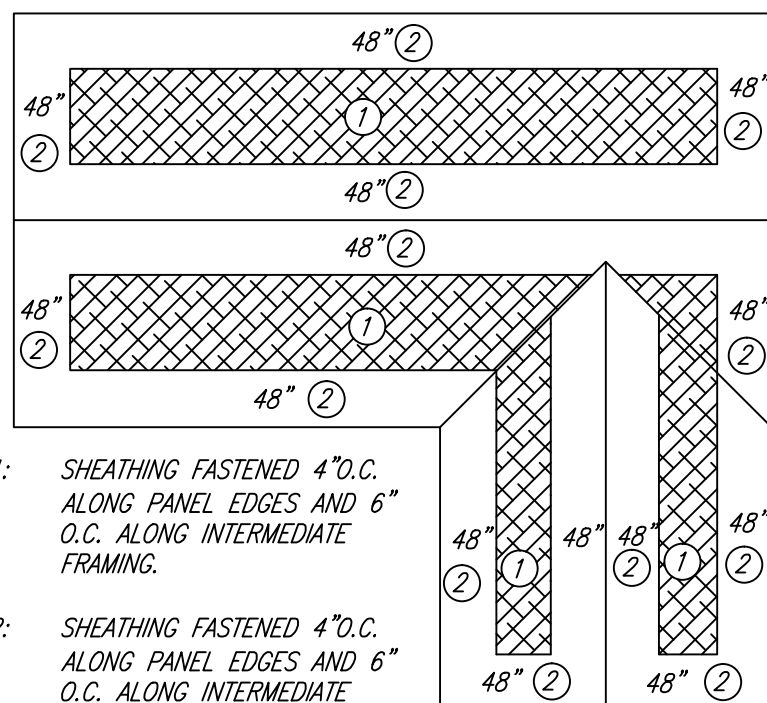
NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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



COMPOSITION SHINGLE APPLICATION

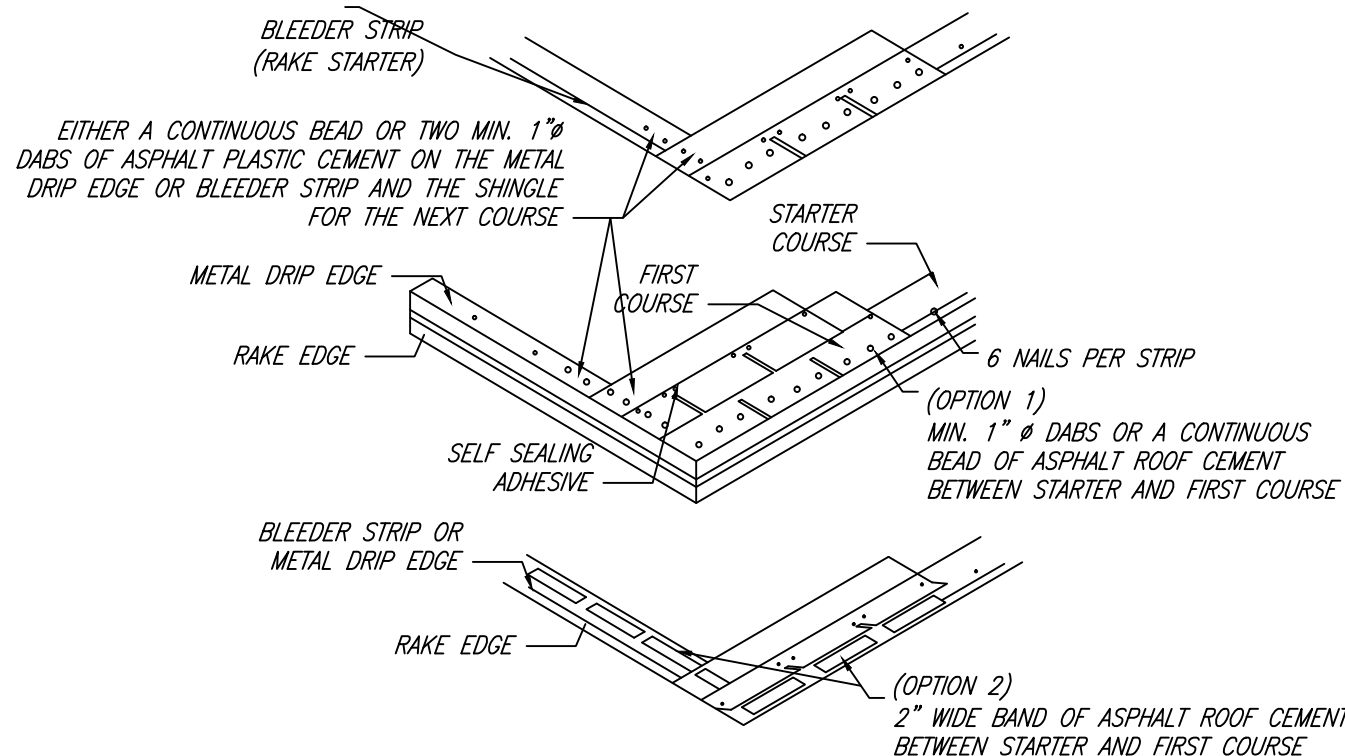
RIDGE VENTS REQUIRE RAFTER BLOCKING FOR DECK NAILING



ZONE 1: SHEATHING FASTENED 4\"/>

ZONE 2: SHEATHING FASTENED 4\"/>

ROOF SHEATHING ATTACHMENT



COMPOSITION SHINGLE APPLICATION
UNLESS NOTED OTHERWISE BY MANUFACTURER

ENGINEER STAMP AND SIGNATURE

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE ROOF DETAILS3	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S17 OF 20


NO DETAILS

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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

4-29-18

ADDITION
JOHN SNELL
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE NO DETAILS	
DATE APRIL 29, 2018	
SCALE NTS	SHEET S18 OF 20

WES BUCHHORN, PE
TIM BUCHHORN, PE

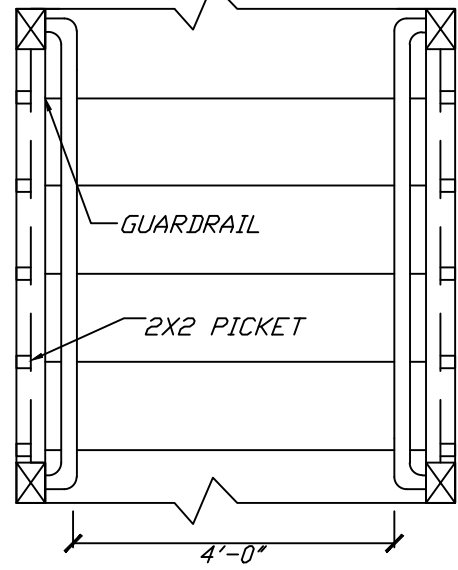
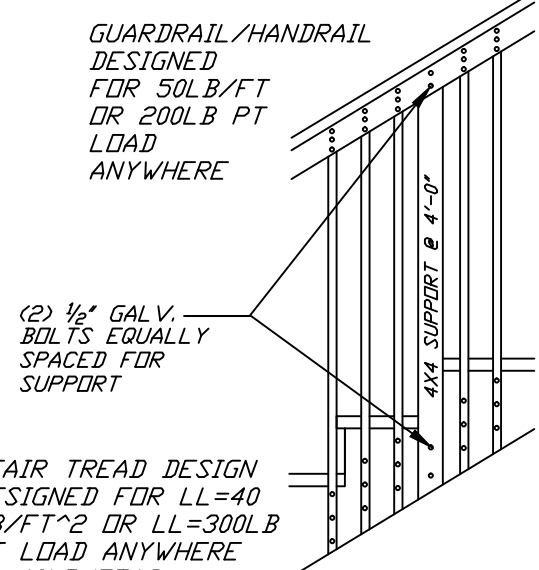
THIS DRAWING SET SHALL NOT BE USED FOR PERMITTING OR CONSTRUCTION UNLESS AN ENGINEERING SEAL FROM SOUTHEAST TEXAS ENGINEERING AND INSPECTIONS IS AFFIXED

FIRM REGISTRATION #13882

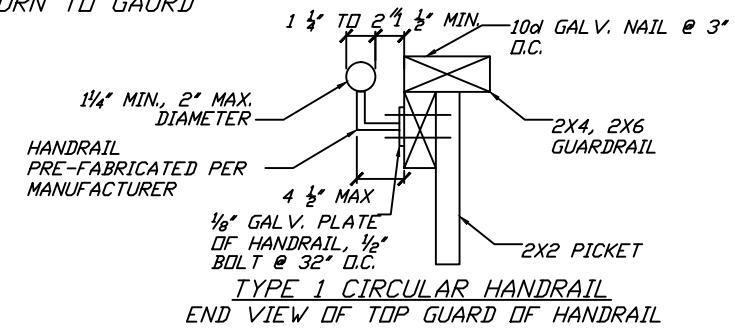
NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

ALL STAIR/HANDRAIL/GUARDRAIL DETAILS ARE FOR DESIGN PURPOSE AND SHALL BE INSPECTED BY LOCAL CITY/MUNICIPALITY FOR COMPLIANCE, SETE TAKES NO RESPONSIBILITY FOR FINAL COMPLIANCE

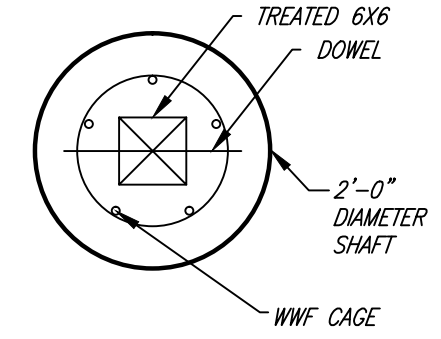
GUARDRAIL/HANDRAIL DESIGNED ON SITE TO FIT CRITERIA BELOW:
PERIMETER DIMENSION OF ATLEAST 4" AND NOT GREATER THAN 6 1/4" WITH MAX. CROSS-SECTION OF 2 1/4"



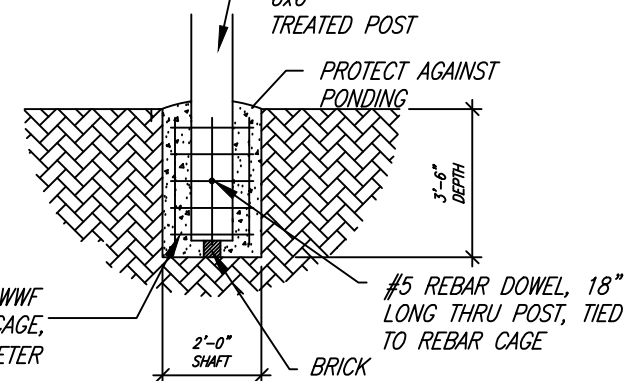
HANDRAIL SHALL RETURN TO GAURD



TYP VIEW OF HANDRAIL (RECOMMENDED) BUT MUST COMPLY WITH ABOVE CRITERIA



FOOTING DETAIL FOR NON-DRIVEN PILES
TOP VIEW



FOOTING DETAIL FOR NON-DRIVEN PILES
FILL W/ 3000 PSI CONCRETE

NOTES:

- STAIR RISER HEIGHTS SHALL BE 4" MIN., 7 3/4" MAX.
- STAIR TREAD DEPTHS SHALL BE 10" MIN.
- HANDRAIL HEIGHTS FROM TOP OF STAIR TREAD TO TOP OF HANDRAIL SHALL BE 34" MIN., 38" MAX.
- GUARDRAIL HEIGHTS FROM TOP OF RAIL TO FLOOR TO BE A 3'-6" MIN.
- 2X2 PICKET SPACING 4" MAX.
- (3) 2X12 RUNNERS EQUALLY SPACED UNDER STAIR
- (3) 10d NAILS EQUALLY SPACED CONNECTING PICKET TO OUTSIDE STRINGER.
- (3) 10d NAILS EQUALLY SPACED CONNECTING PICKET TO GUARDRAIL.
- ALL LANDINGS SHALL BE A MINIMUM OF 36"X36"
- LANDINGS FROM STAIRS TO GROUND LEVEL TO BE 36"X36" CONCRETE LANDINGS AS APPLICABLE.

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

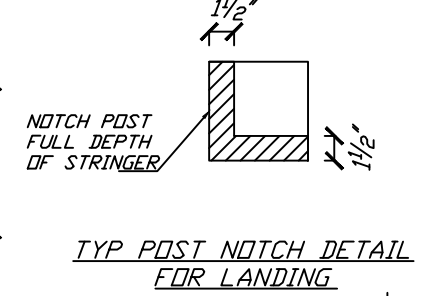
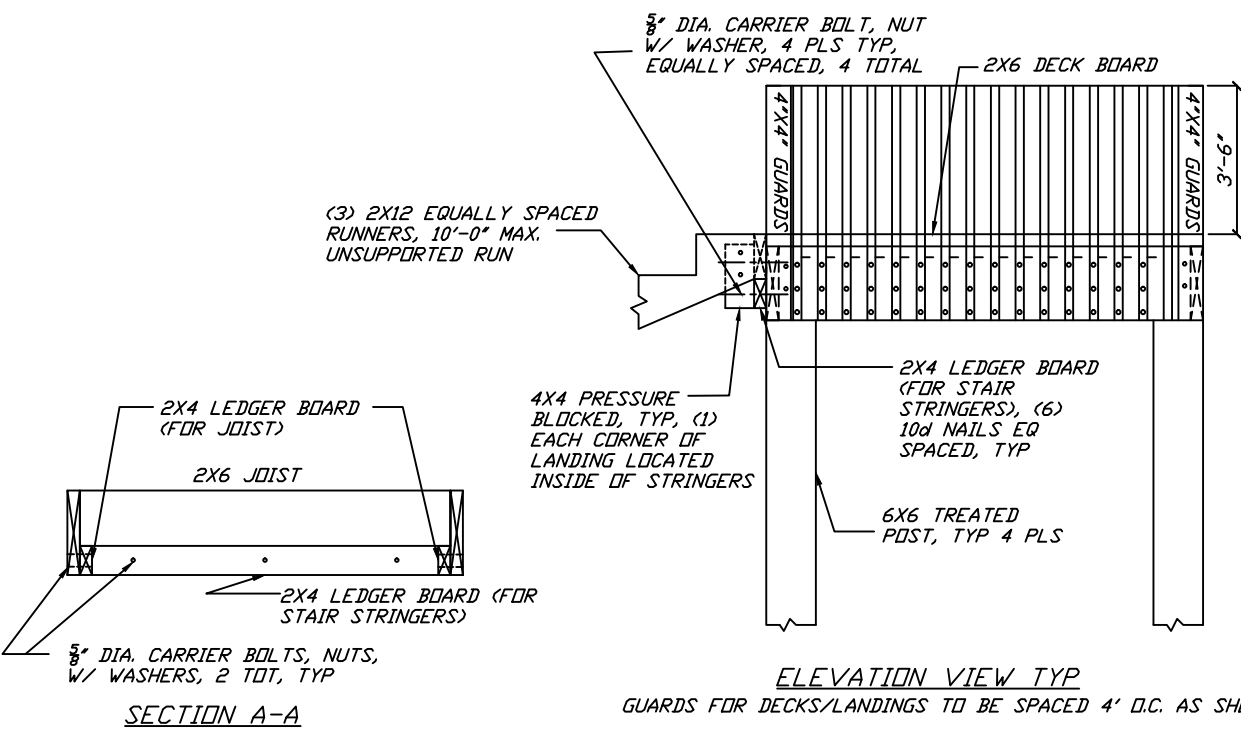
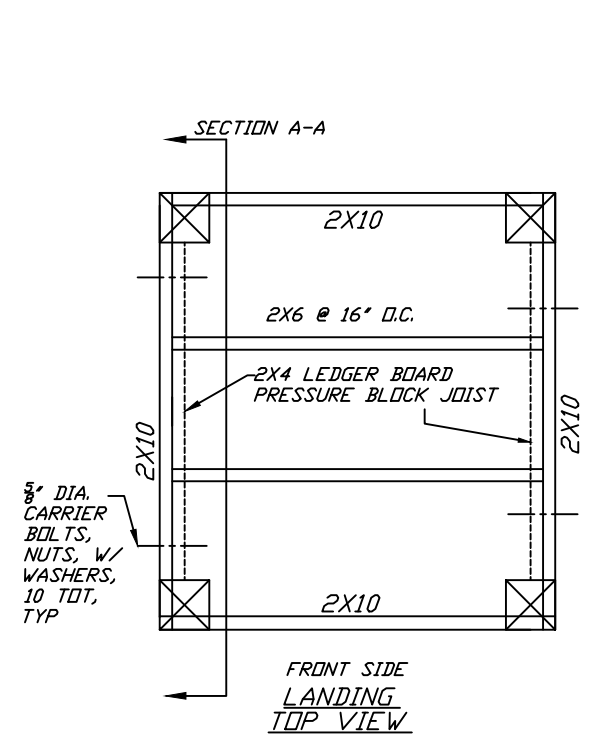
ENGINEER STAMP AND SIGNATURE

4-29-18

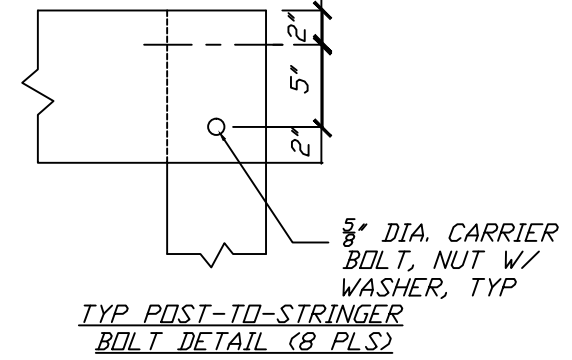
ADDITION
JOHN SNELL
3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
STAIR/HANDRAIL DETAILS

DATE
APRIL 29, 2018
SCALE
NTS
SHEET
S19 OF 20



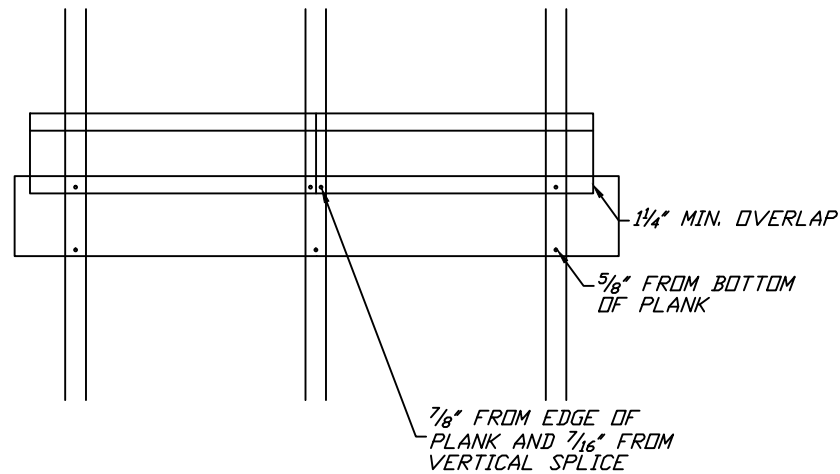
TYP POST NOTCH DETAIL FOR LANDING



TYP POST-TO-STRINGER BOLT DETAIL (8 PLS)

ELEVATION VIEW TYP
GUARDS FOR DECKS/LANDINGS TO BE SPACED 4' O.C. AS SHOWN

2X_ SYP#2 STUDS SHALL BE 16" O.C.



DETAIL FOR HARDIEPLANK 8 1/4" SIDING

ALL FASTENERS TO BE NAILED INTO STUDS
LAPS TO FALL OVER STUDS
NAIL TO BE INCREASED TO 3" LENGTH IF
INSTALLED OVER STRUCTURAL SHEATHING

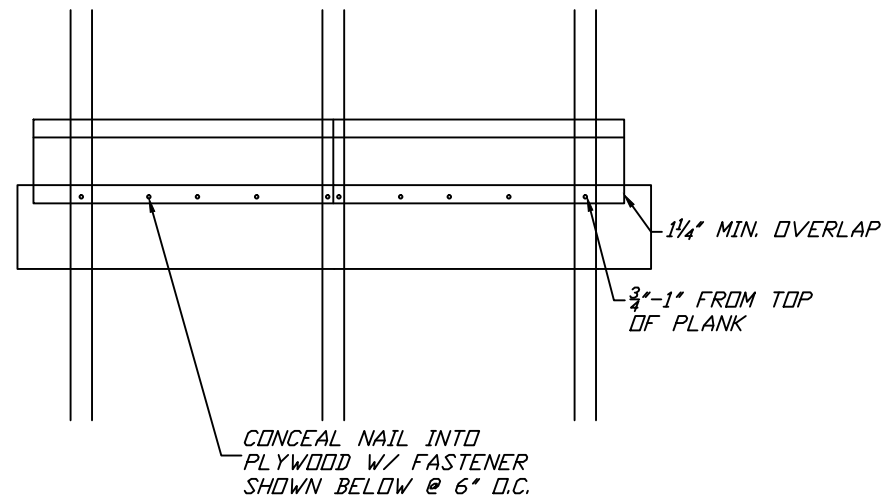
ASSEMBLY 1

HARDIEPLANK 8 1/4" LAP SIDING (EXPOSED NAILING METHOD)
FASTENER: 0.092 INCH SHANK, 2 1/2" LONG, 0.222 INCH HEAD
DESIGN PRESSURE : -84.2 PSF

ASSEMBLY 2

HARDIEPLANK 8 1/4" LAP SIDING (EXPOSED NAILING METHOD)
FASTENER: 0.092 INCH SHANK, 2" LONG, 0.222 INCH HEAD
DESIGN PRESSURE : -55 PSF

2X_ SYP#2 STUDS SHALL BE 24" O.C., MIN.



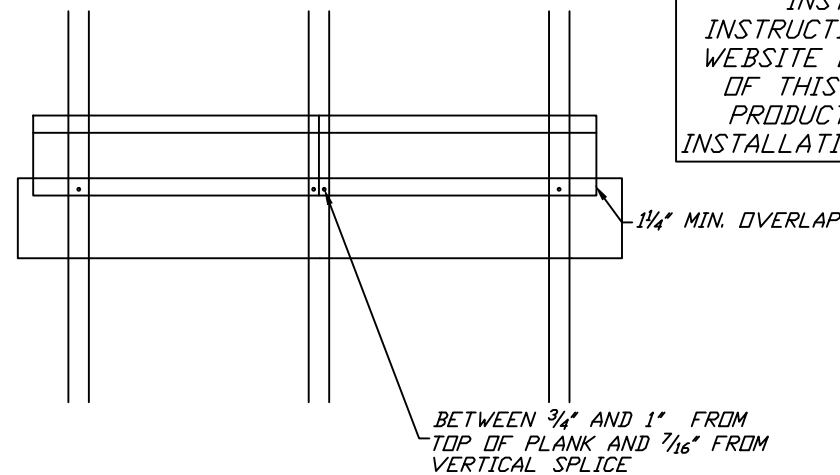
DETAIL FOR HARDIEPLANK 8 1/4" SIDING

(CONCEAL NAIL METHOD INTO PLYWOOD)

HARDIEPLANK 8 1/4" LAP SIDING (CONCEAL NAIL METHOD)
FASTENER: 0.090 INCH RING SHANK, 1 1/2" LONG, 0.215 INCH HEAD
DESIGN PRESSURE : -66.0 PSF

ALTERNATIVE FASTENER TO BE USED (PREFERRED):
11 GAUGE 1 1/2" RINGSHANK ROOFING NAIL @ 6" O.C. INTO PLYWOOD SHEATHING

2X_ SYP#2 STUDS SHALL BE 16" O.C.



DETAIL FOR HARDIEPLANK 7 1/4" SIDING

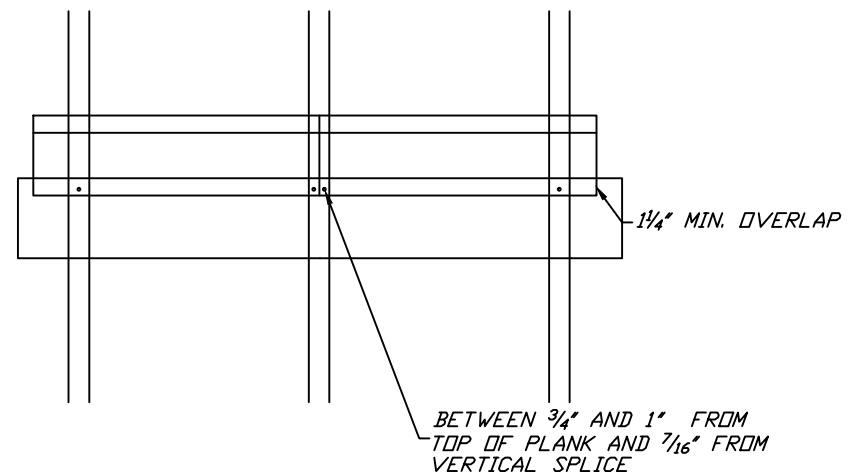
ALL FASTENERS TO BE NAILED INTO STUDS
LAPS TO FALL OVER STUDS
NAIL TO BE INCREASED TO 3" LENGTH IF
INSTALLED OVER STRUCTURAL SHEATHING

ASSEMBLY 1

HARDIEPLANK 7 1/4" LAP SIDING (CONCEALED NAILING METHOD)
FASTENER: 11 GAUGE ROOFING NAIL, 1 3/4 INCH LONG, 3/8 INCH HEAD
DESIGN PRESSURE : -51 PSF

NOTE TO CONTRACTOR
HARDIE STARTER STRIP TO
BE INSTALLED PER TDI
INSTALLATION
INSTRUCTIONS, REFER TO
WEBSITE ON FRONT PAGE
OF THIS DRAWING FOR
PRODUCT EVALUATION
INSTALLATION INSTRUCTIONS

2X_ SYP#2 STUDS SHALL BE 16" O.C.



DETAIL FOR HARDIEPLANK 6 1/4" SIDING

ALL FASTENERS TO BE NAILED INTO STUDS
LAPS TO FALL OVER STUDS
NAIL TO BE INCREASED TO 3" LENGTH IF
INSTALLED OVER STRUCTURAL SHEATHING

ASSEMBLY 1

HARDIEPLANK 6 1/4" LAP SIDING (CONCEALED NAILING METHOD)
FASTENER: 11 GAUGE ROOFING NAIL, 1 3/4 INCH LONG, 3/8 INCH HEAD
DESIGN PRESSURE : -68 PSF

WES BUCHHORN, PE
TIM BUCHHORN, PE

THIS DRAWING SET SHALL NOT BE USED FOR
PERMITTING OR CONSTRUCTION UNLESS AN
ENGINEERING SEAL FROM SOUTHEAST TEXAS
ENGINEERING AND INSPECTIONS IS AFFIXED
FIRM REGISTRATION #13882

NO.	ISSUE / REVISION	DATE
	ORIGINAL RELEASE	1-16-18
	REVISED	1-23-18
	REVISED	2-7-18
	REVISED	4-5-18
	REVISED	4-20-18

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

4-29-18

ADDITION
JOHN SNELL

3717 AVENUE O 1/2
GALVESTON, TEXAS

TITLE
SIDING DETAILS

DATE
APRIL 29, 2018

SCALE
NTS

SHEET
S20 OF 20