# 6x20' Rectangle PVC Pavilion

## DESIGN ENGINEER:



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Details

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QSESSAL NOTES.

All notes do not recessarily exply due to different requirements on each project. This plan is intended to reflect only the structural design of this building. The contractor that if review of explosable local state and federal building codes prior to the start of construction to ensure building conformance. Timber Tech Engineering has is not responsible for information pertaining to this project if not shown on drawings or failed below. Revisions to the plans shall be exproved by engineer of record.

### YEAR OF SORTS

holiding, not limited to: BC 2009 2. Dead Loads: Governing Code A Roof

3. Live Loads: 10 11 10 11 C. Other A. Roof (See also note #4) g g g N N N

C. Other A. Ground Snow (Pg) 7/s

B. Flat Roof Snow (Pt)
C. Snow Exposure Factor (Ce)
D. Snow Load Importance Factor (I) E Unbalanced Snow Windward Roof Leeward Roof 8888 **8** ○

88

A. Basic Wind Speed (V)

B. Wind Load Importance Factor (I) D. Enclosure Category C. Wind Exposure Category ည ရွှ 

5. Wind Load

g g

E Components and Cladding +72 pst/-94 pst

E. Earthquake Design Data:

(Analysis based on equivalent lateral force procedure)

A. Spectral Response Acceleration

B. Spectral Response Acceleration at short periods, S 0.58

2, a

G. Response Modification Factor (R) 15 H. Deflection Amplification Factor (Cd) 15

### SHOUTWAREN

exist foot/fect gauge hardware header confinuous dismeter existing floor kips per squere inch pounds concrete material mat

General Requirements

A. Structural wood members and connections shall be of sufficient size or capacity to carry all design loads without exceeding the allowable design values specified in 'The National Design specification for Wood Construction' (NDS), 2005 edition, and its 'Supplement' by the

American Forest and Paper Association (AFHPA).

B. Wood members used for load supporting purposes shall have the grade mark of a lumber grading agency certified by the American Lumber can be appeared to the can be appeared by the American Lumber can be appeared by the American Can be appeared by

A. All lumber species, graded visually or mechanically, shall comply with the NDS by AF+PA, and the "American Softwood Lumber Standard" (PS 20-94) by the U.S.

B. The minimum grade and species for posts, beams, headers, and other primary Department of Commerce.

structural members shall be Dense Select Structural Southern Theu, taleas specified otherwise.

C. Lumber used for secondary framing shall be \$1 Southern Yellow Price (SYP) or better.

D. Pool frame headers shall be two-span continuous bearns with all multiple by headers orderspang so that the but joints for each py do not occur at the seme post.

E. Mechanically landrated columns shall conform with ANS/ASAE EP 559.

3. Pressure Preservative Treatment (PPT)

A. Pressure treatment to be performed according to the American Wood Preservers'

ussociation (AWPA) standards

B. Pressure treated members shall have the inspection mark of an agency accredited by the

American Lumber Standards Committee.
C. Preservative: Ammonia Copper Ousternary ammonia (ACO) or Copper Boron Azole (CSA)
D. Mnithrum waterborne treatment retention shall be 0.4 pcf for members above ground, and

0.6 pcf for members it contact with earth.

E Treat indicated items and the following.

I Wood members exposed to weather or resect intestation.

2 Wood members in direct contact with earth or concrete. 3. Wood members exposed to high moisture content 019% for dimension kinder, 716% for gived

leminated timber).

4. Wood members less than 12 inches above grade.

F. Fleid freat nextly exposed wood where cutting, of thing or notiching pressure treated lumber.

G. Metal connections used in treated wood shall be hot-dip galantized as per ASTM ASS-dia.

4. Connections shall be designed and constructed according to the NDS by AF-HPA and shall

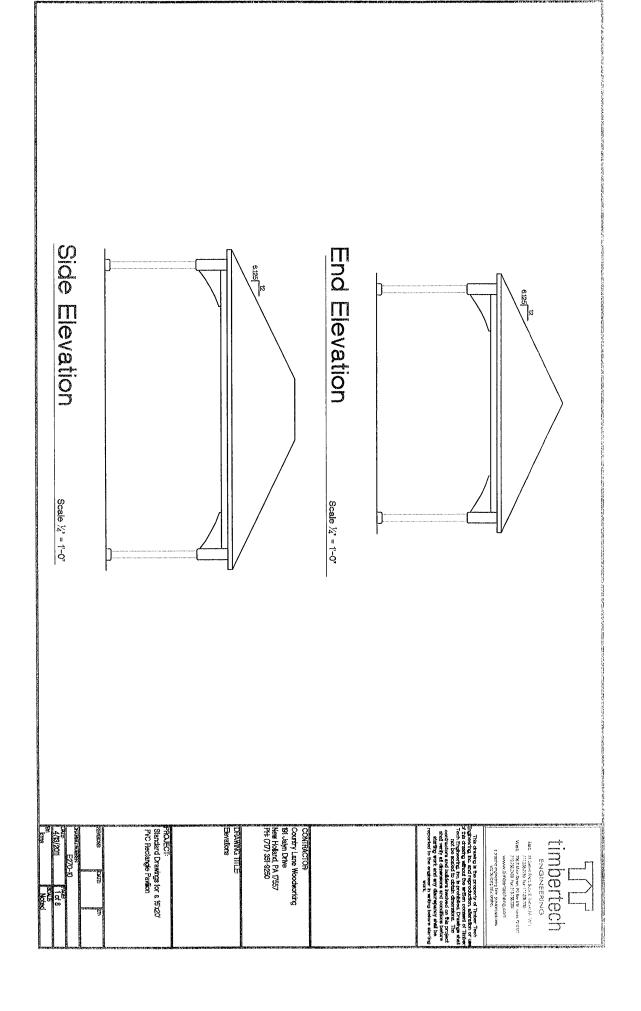
A. The minimum connection shall be two 12 perny nells, or as detailed on the drawings. B. Other connections as per standard construction practice. conform to the following:

olyvinyl Chloride Compound (PVC)

PVC skeeve material used to wrep wood members to be supplied according to Certainteed corporation specifications or equivalent. FVC skeeve material to be 0.160" that for posts, and 0.105" thick for other structural members

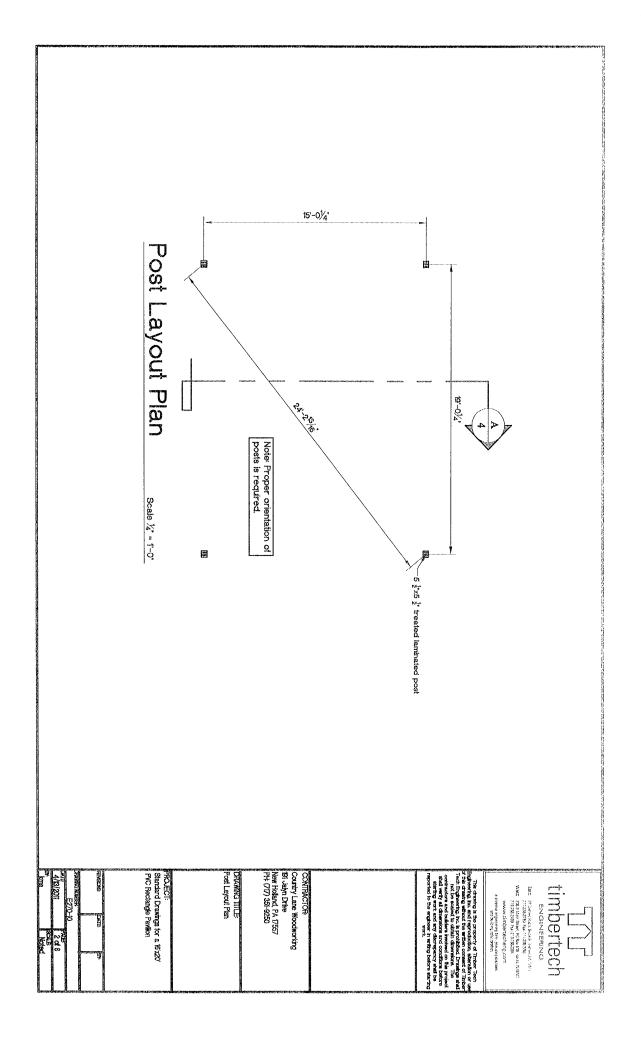
Design Reaction Chart	
Max Moment in column	3913 lb-ft
Max uplift at column base	1475 lb
Max downward force at column base	3525 lb
Max, shear at column base	525 lb

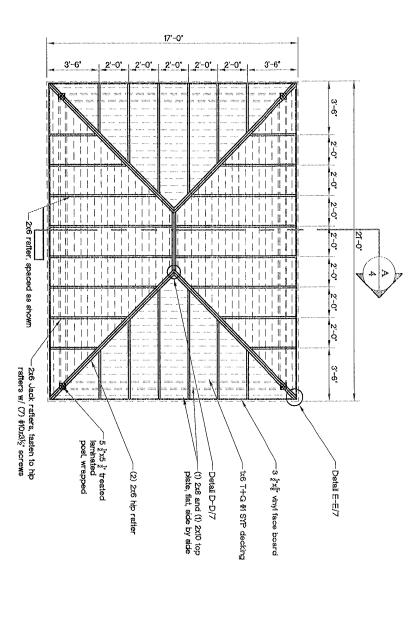
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COURTY Lene Woodworking
Sti Jelyn Drive
New Holland PA 17557
PH (717) 351-9250

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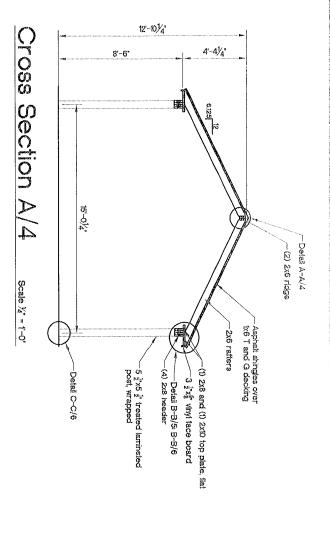
DRAWING TITLE: Roof Framing Plan

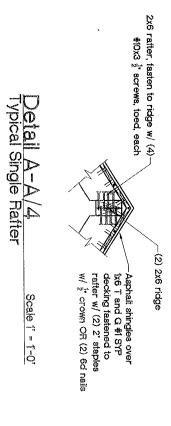
Rod Framing Pan

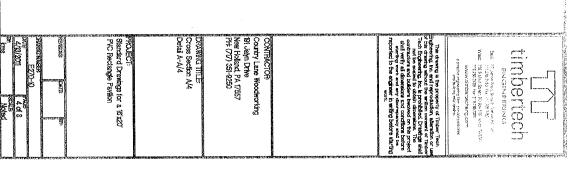
Scale 1/4" = 1'-0"

PROJECT:
Standard Drawings for a 15'220'
PVC Rectangle Pavison

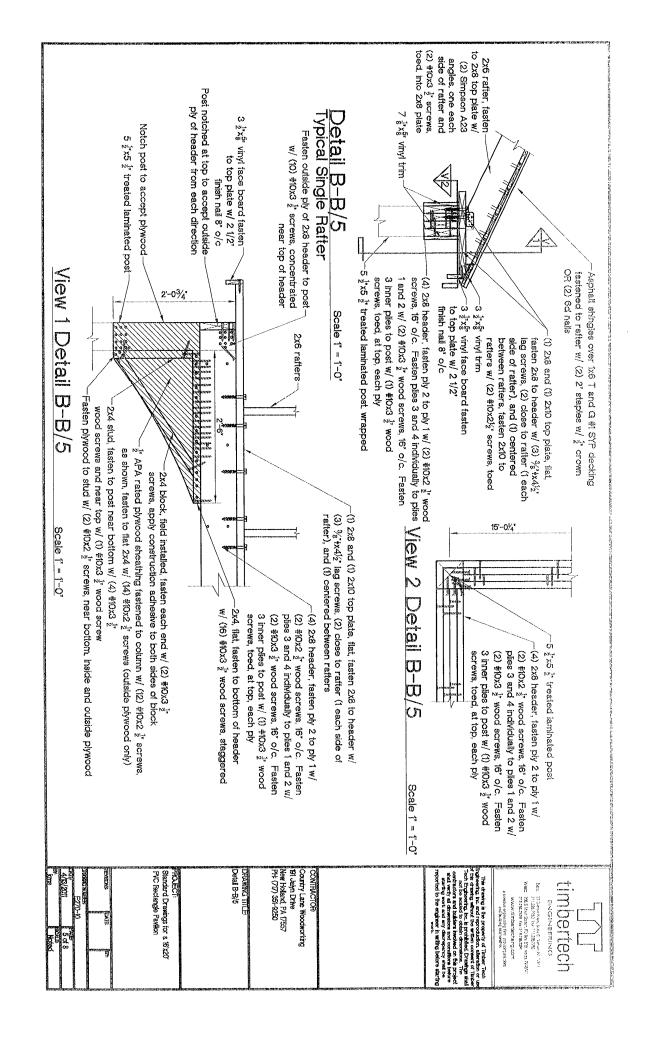




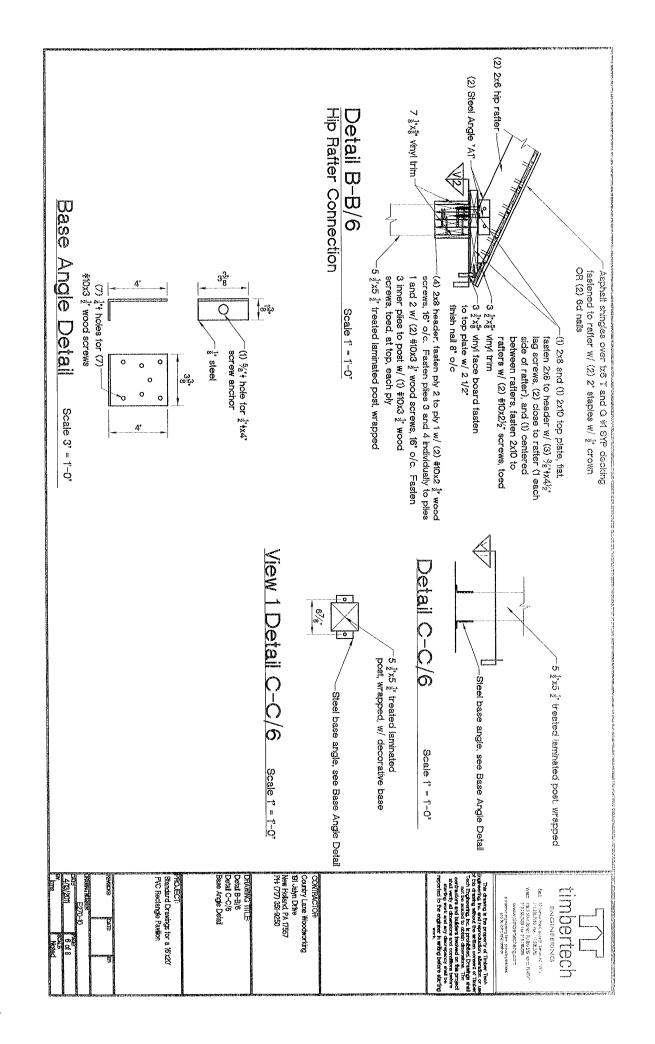


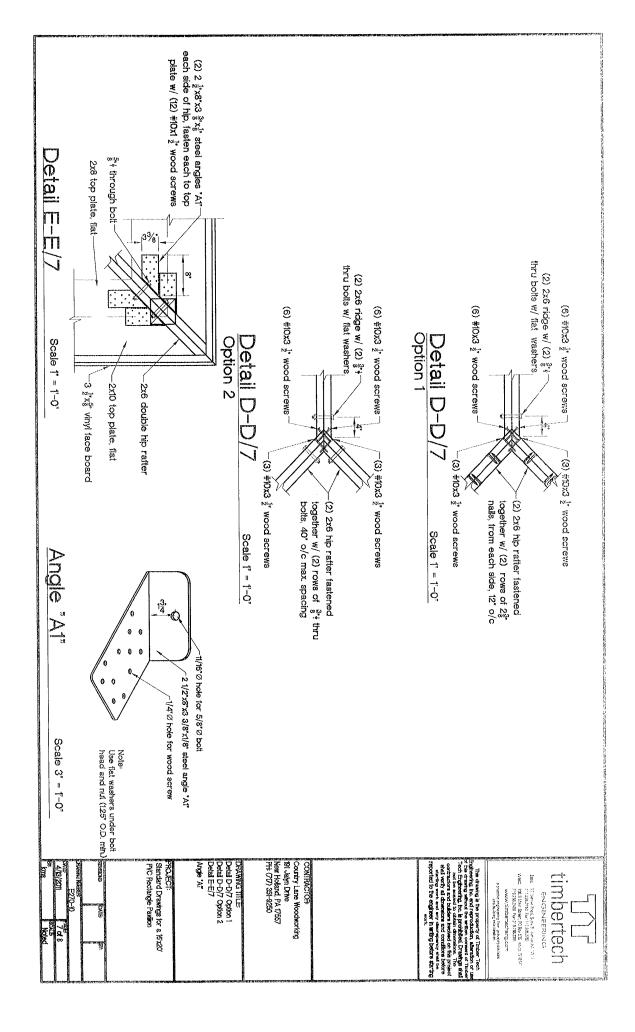


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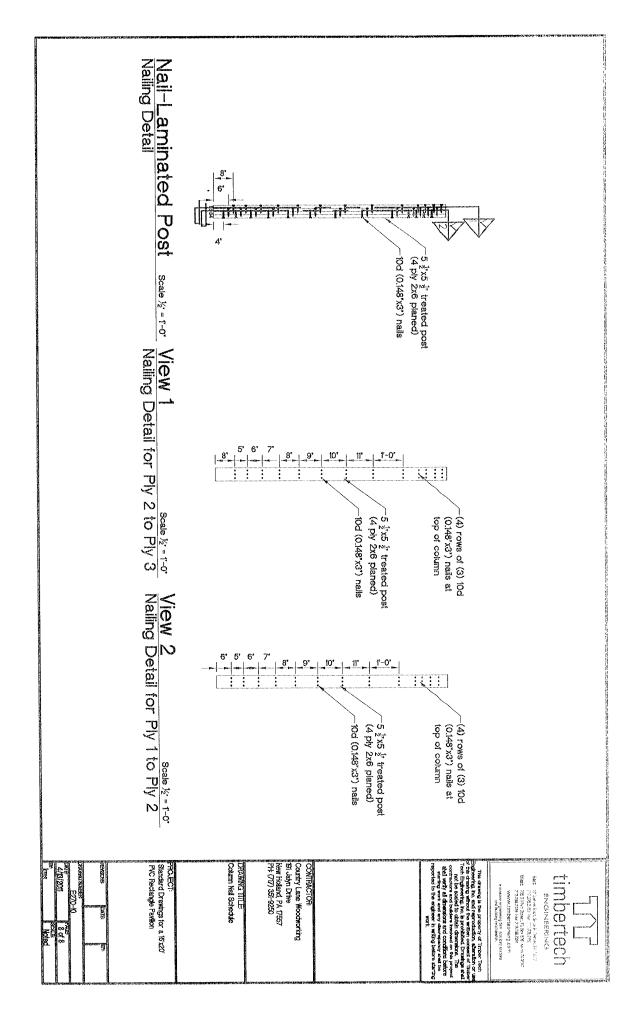


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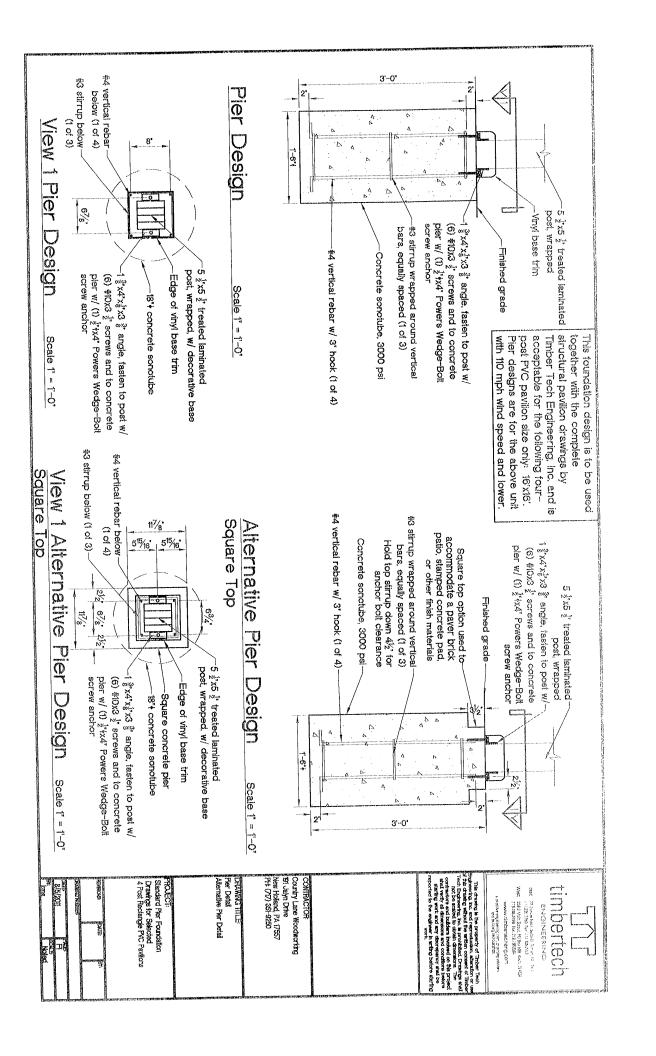














- Hagaireneath
  A Provisio a construction greate extending ten teet beyond building
  exterior was or an alternative method per Section 18443 of the ISC 2002.

  S. Exceute for foundations to subgrade elevations regardless of
  character of meterials and obstructions encountered, unless otherwise
  approved by the structural engineer.

  C. Perform exceutation work in compliance with applicable requirements of
- authorities having jurisdiction.

- 3. Execution
  A. Footings have been designed for an assumed aboveable leadbearing pressure of 2000 pct on supporting set at 1 foot deep into grade. Pressure may be increased 20% for each additional 1 ft of width and/or depth to a maximum of 6,000 pct. The contractor shall verify this assumption, and shall immediately notify the structural engineer in writing of any deficiency.

  B. Place backfit and fit in layers not more than eight inches in loose depth at
- D557-02e01 optimen moisture content. Compact each layer under footings and slabs to a dry density of at least 95 percent of maximum dry density as determined by ASTM
- C. Bottom of exterior footings shall be a minimum of 36 inches below finished grade, unless noted otherwise

## CAST-N-FLACE CONCERN

- Concrete work shall conform to the following specifications by The American Concrete Institute (ACI).
- A "Building Code Requirements for Structural Concrete" (ACI 518-05).
  B. "Hot Weather Concreting" (ACI 518-05, Seed. 5.53).
  C. "Code Weather Concreting" (ACI 518-05, Seed. 5.52).
  2. Materials used shall achiere to the following:
  A Porfland Cement ASTM C53-07, type 1.
  B. Fly Astr ACI 518-08, Sect. 4.4.2
  C. Aggregates: ASTM C33-03, maximum aggregate size is one inch.

- C. Aggregates: ASTM C33-03, meximum aggregate size is one inch.
  D. Floorglass reinforcement: POLMAL 128 Standard.
  E. Ar-entrakting activative: ACI 318-04, Sect. 4.41.
  E. Ar-entrakting activative: ACI 318-04, Sect. 4.41.
  E. Chemical admixtures: ASTM C494, water reducing. All concrete, except toodings, state contain a water reducing activative. No admixtures containing calcium chloride are permitted. All other additives shall not be used without prior approval of the structural engineer.
  G. Vapor returnider: Cear 8-mil thick, polyethylane.
  G. Proportion normal-weight (145 pcf) concrete mixes to provide the following.

- A Compressive strength 3,000 psi at 28 days (unless noted otherwise).

  8. Samp limit: 4 inches (3 inches for sich-on-grade) at point of placement.

  C. Water-censer trails: 0.45 maximum at point of placement.

  D. Air content: 5 to 7 percent for concrete exposed to freezing and thawing.
- 2 to 4 percent elsewhere.
- 4. Reinforcing steel shall be fabricated, detailed and placed in accordance with the ACI 378-08, and shall conform to the following:
  A Deformed reinforcing bars: ASTM A655/A 655M-04a with a minimum yield strength of 60,000 pst (grade 60).
  B. Welded wire fabric (WWF): ASTM A855-07, flat sheets, not rote.

- C. Ties/Strrups: ASTM A615/A615M-04a, grade 40,
  5. Concrete work shall be executed according to the indowing:
  A. Mainhain tolerances and surface irregularities within ACI 117-08 limits of class A for concrete exposed to view, and class C for other concrete surfaces.

  Thoor stabs shall be screeded, ficated and steel troweled to a smooth, dense
- end plane surface.

  B. Accurately position, support, and secure reinforcement.

  1. Reinforcing bare shall ap 48 bar dameters at spices in concrete.
- 2. Provide corner bare to match all continuous reinforcing in concrete

Reinforcing bar hooks shall be ACI standard.

- WWT shall have ends lapped one full meet, and shall extend onto supporting walls.
   Chairs, boisters, but supports, and spacers shall be sized and shaped for strengthand support of reinforcement during concrete placement.
   C. Provide minimum concrete cover on reinforcing bars as follows:
- . Cest against earth.
- 2 Exposed to earth or weather (#5 or smaller)\_11/2"
  3. Exposed to earth or weather (#6 or larger)\_\_\_2"
- Siebs and walls not exposed.
- D. The contractor shall be responsible for stability and integrity of all excavations

Country Lane Woodworking 1911 Jelyn Drive New Holland, PA 17557 PH (717) 351-9250 Drawings for Selected 6 Post Rectangle PVC Pavisons Standard Pier Foundation ROJECT: General Notes HAMMAG IIIL OMERACION West 1055 White Street, PG Sec 400 Co. L. N.4004 778,780,748 Sec 218 782254 e assettes engineering kirm, providing solution. Sea building reletations on 27 January Rose, Sales & Developed TREE THE 27th Developed Sec. (17 SEC.2015) MZQZMMXZQ

Please find attached your Home Improvement Contractor's Certificate suitable for framing along with a wallet card copy.

If you have any questions or have changes to the information you provided on your registration form, contact the Pennsylvania Office of Attorney General at 717-772-2425 or HIC@attorneygeneral.gov. For further information on the home improvement law visit www.attorneygeneral.gov.

Josh Shapiro, Pennsylvania Attorney General

COUNTRY LANE WOODWORKING, LLC
THIS ISTO CERTIFY THAT

COUNTRY LANE WOODWORKING, LLC
191-JALYN DR
NEW HOLLAND PA 17557

HAS REGISTERED IN PENNSYMANIA AS A HOME IMPROVEMENT CONTRACTOR
10/6/2021

PA6/24065

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SAMUEL S STOLTZFUS 191 JALYN DR NEW HOLLAND PA 17557-9232 This form acknowledges receipt of your \$50.00 application fee, required under Pennsylvania's Home Improvement

Consumer Protection Act. Please keep this form for your records.



THIS IS TO CERTIFY THAT

COUNTRY LANE WOODWORKING, LLC 191 JALYN DR NEW HOLLAND PA 17557

HAS REGISTERED IN PENNSYLVANIA AS A HOME IMPROVEMENT CONTRACTOR

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REGISTRATION NUMBER

SIGNATURE OF REGISTRATION CERTIFICATE HOLDER

JOSH SHAPIRO, PENNSYLVANIA ATTORNEY GENERAL

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