

ALL GABLE POSTS  
EXTEND TO TOP  
OF ROOF TRUSS

2-2X10 MSR SYP  
TRUSS CARRIERS

**NEW BUILDING SPECIFICATIONS**  
40' X 100' X 10'4" POST & FRAME BUILDING

- -18" X 8" CONCRETE FOOTINGS (GABLES)
- -22" X 8" CONCRETE FOOTINGS (SIDEWALLS)  
(7919 LB CAP; 6720 LB COLUMN WT)
- ① 3-3'0" X 6'8" 9-LITE FIBERGLASS ENTRY DOORS
- ② 4-10' X 10' INSULATED STEEL OVERHEAD DOORS
- ③ 6-48" X 36" VINYL THERMALPANE SLIDING WINDOWS
- ☒ -3 PLY 2X6 GLU-LAM POSTS 8' OC.(TYP.)
- 2X6 TREATED SKIRT BOARD
- 2X4 SPRUCE WALL GIRTS & ROOF PERLINS 24" OC.
- 2-2X10 MSR SYP TRUSS CARRIERS @8' SPANS-  
(HEADER CAPACITY=991 PLF; ROOF LOAD=840 PLF)
- 3-2X10 MSR SYP TRUSS CARRIERS @10' SPANS-  
(HEADER CAPACITY=1107 PLF; ROOF LOAD=840 PLF)
- TRUSS CARRIER TO POST= 1/2" X 4" GRK STRUCTURAL SCREWS  
10 @EA POST (2 PER SPLICE MIN) 3330 SHEAR RATING
- PRE-ENGINEERED ROOF TRUSSES-  
4/12 PITCH, 48" OC, 30-5-5 LOADING
- 3 ROWS 2X4 BOTTOM CHORD LATERAL BRACING (120" OC)  
5/11 LB UPLIFT; 6-12D FACE NAILS=534 LB (Pg. A4.5)
- 28 GA. G-100 PAINTED STEEL ROOFING & SIDING
- 12" EAVE & GABLE OVERHANG W/ VENTED SOFFIT&FASCIA  
PAINTED STEEL 12" VENTED RIDGECAP

FLOOR PLAN  
SCALE: 1/8" = 1'0"

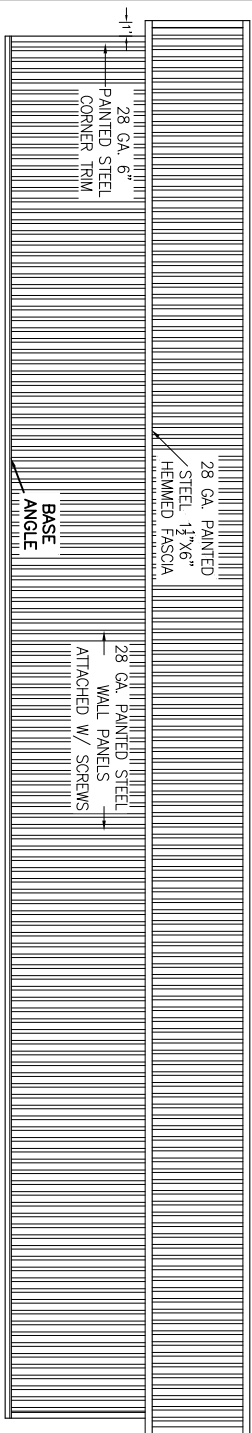
FLOOR PLAN  
DRAWN BY: ALS  
REVIEW:  
REVISIONS:  
DATE: 2/4/20  
SITE: CHIRICO

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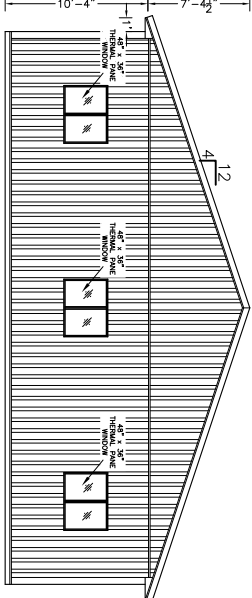
**JOHN CHIRICO**  
**WILLIAMSTOWN, NJ**  
OWNER

OWNER

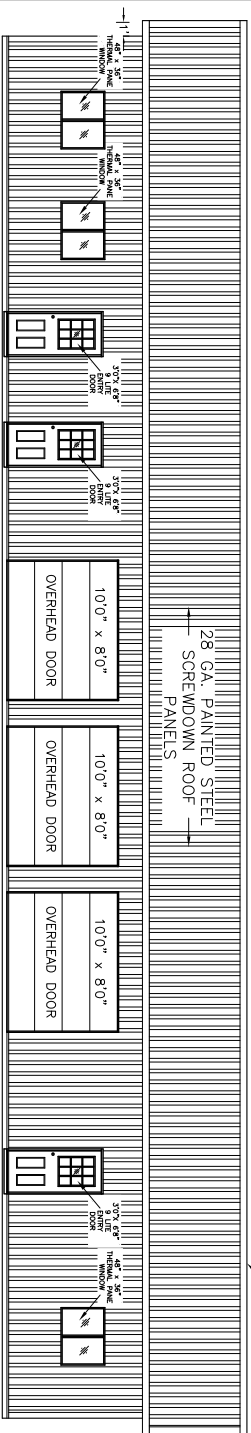
**SHIRK**  
POLE BUILDINGS  
BUILDER  
807 READING ROAD EAST EARL, PA 17519  
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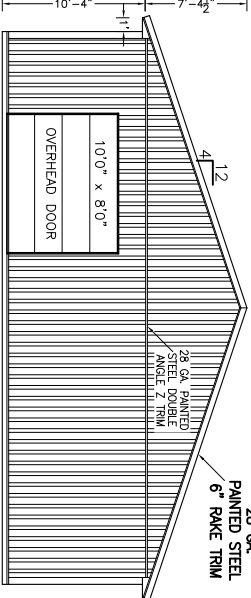
BACK SIDEWALL  
SCALE: 1/8" = 1'0"



LEFT ENDWALL  
SCALE: 1/8" = 1'0"



FRONT SIDEWALL  
SCALE: 1/8" = 1'0"



RIGHT ENDWALL  
SCALE: 1/8" = 1'0"

ELEVATIONS

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REVISIONS:

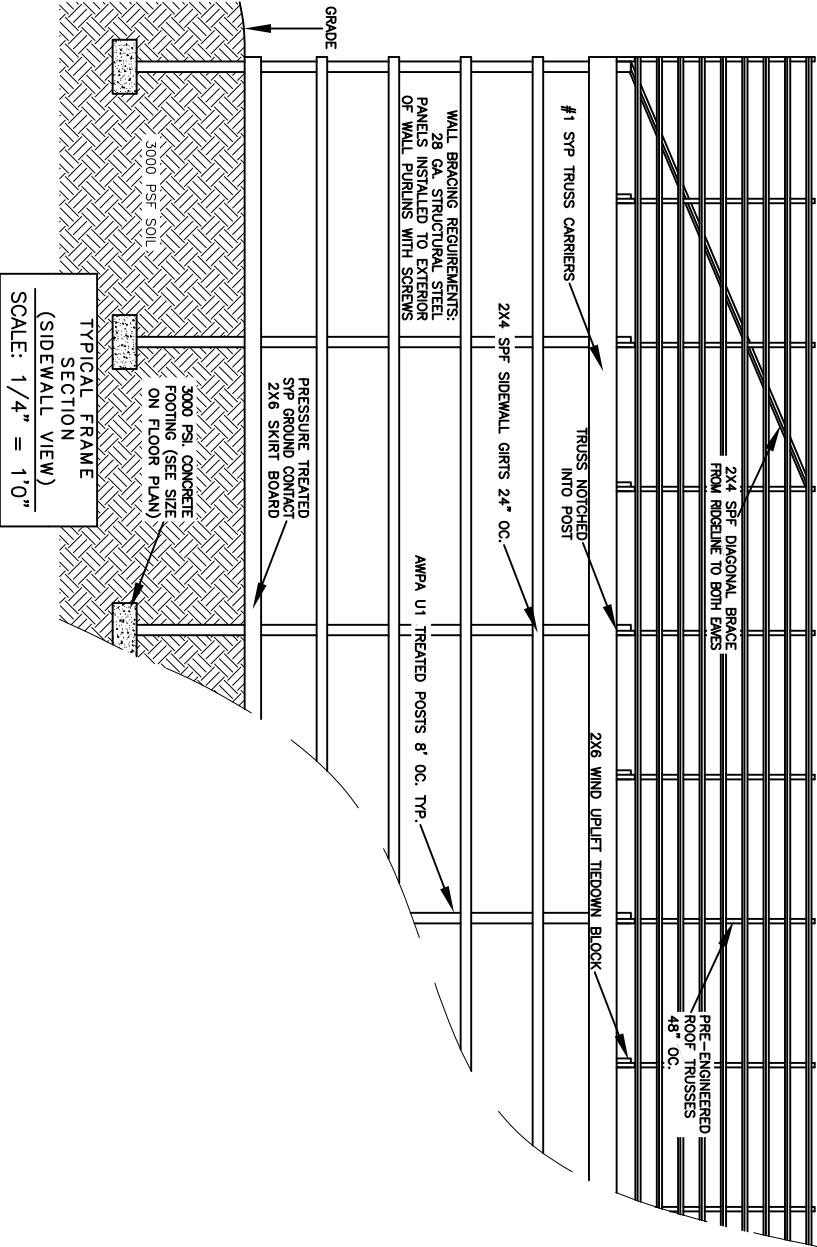
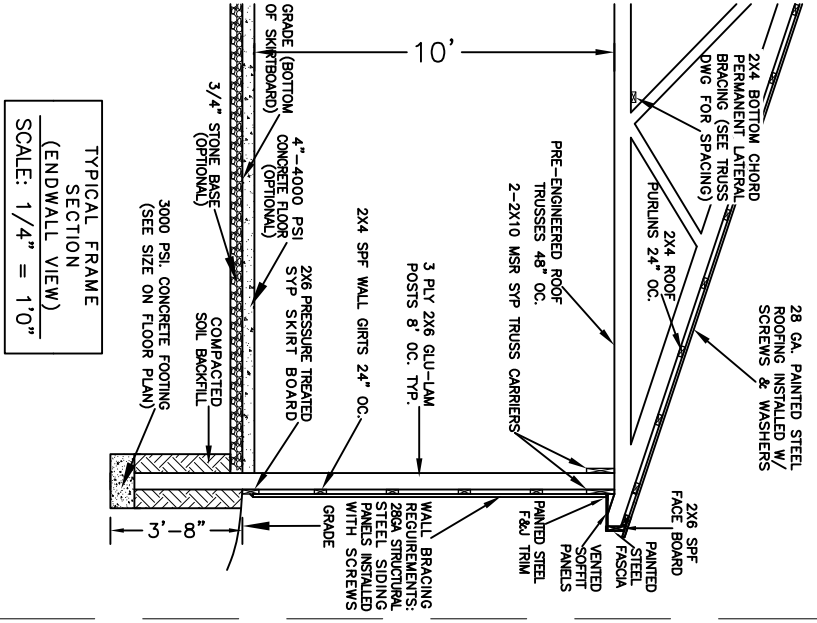
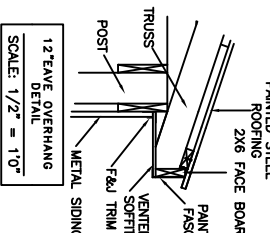
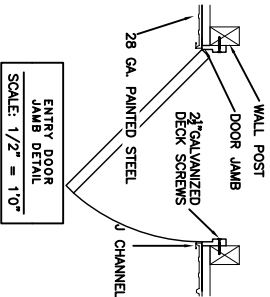
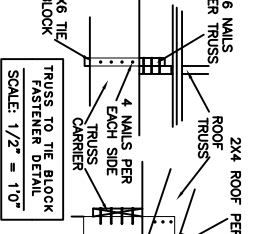
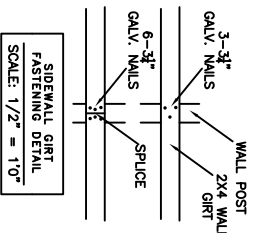
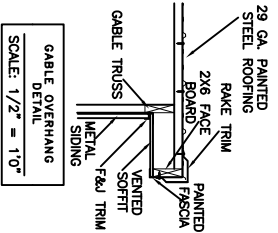
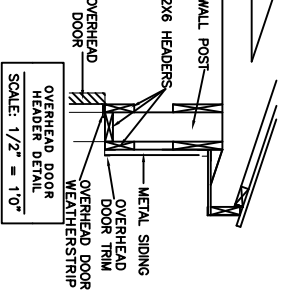
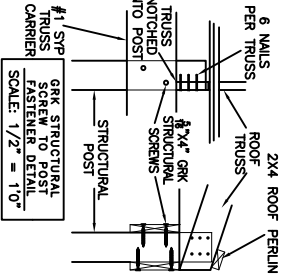
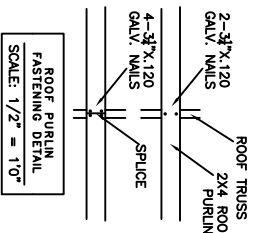
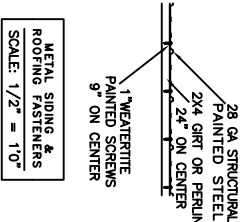
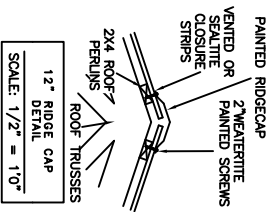
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OWNER  
**JOHN CHIRICO**  
**WILLIAMSTOWN, NJ**

BUILDER  
**SHIRK**  
POLE BUILDINGS  
LLC  
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**A.3**

**POLE BUILDINGS SHIRK LLC**  
807 READING ROAD EAST EARL, PA 17519  
717-445-6888 FAX 717-445-3001

BUILDER

# BUILDING DESIGN NOTES AND DETAILS

- A4.1 GRADING & EXCAVATION  
FINISHED GRADE SHALL BE BELOW FLOOR LEVEL WITH ADEQUATE FALL TO CARRY SURFACE WATER AWAY FROM BUILDING. FOOTINGS SHALL BE CIRCULAR (UNLESS NOTED OTHERWISE) AUGERED TO THE DEPTH AND DIAMETER SPECIFIED, WITH ALL LOOSE FILL REMOVED BEFORE CONCRETE FOOTING MATERIAL IS PLACED.  
FOOTINGS
- A4.2 STANDARD DEPTH FOR FOOTING EXCAVATION IS 44" FROM FINISH FLOOR HEIGHT FOOTINGS SHALL BE A MINIMUM OF 36" DEPTH FOR FROST PROTECTION OR; LOCAL BUILDING CODE DEPTH REQUIREMENTS FOR FROST PROTECTION WILL BE FOLLOWED. DRY MIX CONCRETE HYDRATED IN-SITU WILL BE USED UNLESS OTHERWISE SPECIFIED.  
FRAMING
- A4.3 LUMBER FOR SIDEWALL GIRTS AND PERLINS SHALL BE #2 SPRUCE OR COMPARABLE LUMBER FOR SKIRTBORD, POSTS AND BEAMS SHALL BE #2 OR BETTER SOUTHERN YELLOW PINE. TIMBERVALUES FOR 3 PLY 2X6 GIU-LAM :FB=2150, FC=2050. LUMBER FOR TRUSS CARRIERS SHALL BE #1 OR BETTER SOUTHERN YELLOW PINE. ALL GROUND CONTACT LUMBER SHALL BE TREATED TO AWPA U1-09 (COMMODITY SPECIFICATION A, USE CATEGORY 4B AND SECTION 5.2) AND ASAE(ASABE)FB559, .60 CCA MINIMUM AND SHALL BEAR AN ACCREDITED LABEL USING #1 OR BETTER SYP.  
ROOF TRUSSES
- A4.4 ROOF TRUSSES SHALL BE PRE-ENGINEERED. GROUND SNOW LOAD, DRIFT LOAD, COLLATERAL LOAD, AND WIND LOAD ARE TO BE IN ACCORDANCE WITH BUILDING CODE. TRUSS ERECTION AND BRACING SHALL BE PROVIDED ACCORDING TO MANUFACTURERS SPECIFICATIONS. BOTTOM CHORD OF TRUSS SHALL HAVE PERMANENT LATERAL BRACING OF 120" OC. OR AS REQUIRED PER ROOF TRUSS DESIGN. THE DESIGN PROFESSIONAL OF RECORD HAS REVIEWED THE PRE-ENGINEERED ROOF TRUSS DRAWINGS AS PER R502.11.1 & IBC 107.3.4.1 AND THEY COMPLY WITH THE STRUCTURAL DESIGN REQUIREMENTS.  
ROOF TRUSS UPLIFT AND LATERAL CONNECTIONS
- A4.5 PRIMARY ROOF TRUSSES SHALL BE CONNECTED TO THE SIDE OF THE STRUCTURAL POSTS AND INTERMEDIATE ROOF TRUSSES SHALL BE CONNECTED TO THE STRUCTURAL HEADER WITH UPLIFT BLOCKS WITH A SUFFICIENT NUMBER OF FACE NAILS TO OFFSET THE WIND UPLIFT FACTOR AND LATERAL LOADS NOTED ON THE ROOF TRUSS DRAWING IN ACCORDANCE WITH IBC SECTION 2304.9.1, 2308.10.1, AND 2308.10.6  
FASTENERS AND FRAMING CONNECTIONS STRUCTURE COMPLETES WITH ASAE(ASABE) EP484 DIAPHRAM DESIGNS& ACTIONS FOR METALCLAD BUILDINGS, IBC WIND BRACING REQUIREMENTS, IBC CONSTRAINED/ UNCONSTRAINED POST REQUIREMENTS& POST TO FOOTING CONNECTION. ALL FRAMING CONNECTIONS SHALL BE OF A SIZE AND DESIGN TO MEET DESIGN LOADS SPECIFIED. NAILS USED IN .60 ACQ/CCA TREATED WOOD SHALL BE 12D HOT DIPPED GALVANIZED. ASTM A 153 PLATED 1.2 MIL SCREWS, AND A 65 CLASS G 185 HARDWARE. THE MINIMUM AMOUNT OF 12D NAILS IN 2X4 ROOF PERLINS IS 2. THE MINIMUM AMOUNT OF 12D NAILS IN 2X4 WALL GIRTS IS 3. THE MINIMUM # OF 12D NAILS IN 1 1/2" STRUCTURAL TIMBER IS 1 PER 1/2" BOARD WIDTH. TRUSS CARRIER CONNECTION TO POST: 5/8"x4" GRK RSS STRUCTURAL SCREWS. SCREW VALUES: LATERAL DESIGN VALUE=333 LB, TENSILE STRENGTH=139,000 PSI, PULLOUT=2644 LBS, HEAD PULL THROUGH=825 LBS, MIN. BENDING ANGLE=35°  
METAL SIDING AND ROOFING METAL SIDING AND ROOFING SHALL BE INSTALLED WITH #9 WOODGRIP, 3/4" HEX HEAD, METAL AND RUBBER WASHERED GALVANIZED COLOR MATCHING SCREWS. FASTENERS SHALL COMPLY WITH THE ROOFING & SIDING MFG'S REQUIREMENTS. METAL SIDING AND ROOFING SHALL BE WARRANTED #1 GRADE 80,000 PSI MIN. TENSILE STRENGTH CORRUGATED 28 GAUGE PAINTED ABM STEEL PANELS GALVANIZED TO A MINIMUM OF G-100.  
METAL SIDING AND ROOFING SHALL BE TRIMMED WITH CORRECT FLASHINGS AT EXPOSED EDGES, ROOF ENDS, CORNERS, DOORS, WINDOWS AND RIDGES, EXCEPT; BOTTOM EDGE OF STANDARD ROOFING MATERIALS.

- A4.8 CONCRETE FLOOR (OPTIONAL)  
FIBER REINFORCED 4000 PSI CONCRETE SLAB ON GRADE OVER COMPACTED BASE. SLAB WILL BE POURED AGAINST SKIRTBORD WITH NO TURN DOWN.
- A4.9 STRUCTURAL DESIGN PARAMETERS  
BUILDING USE= STORAGE  
USE GROUP=M  
EXPOSURE CATEGORY= C  
HEIGHT & AREA LIMITATIONS=5B UNPROTECTED  
OCCUPANCY LOAD=AS PER DESIGN  
TOTAL NUMBER OF FLOORS= 1  
TOTAL FLOOR AREA (SQ FT)=4000  
BUILDING VOLUME (CU FT)=53,600  
STRUCTURE IS DESIGNED FOR ASCE 7-10 ULTIMATE WIND SPEED, VULT=115 MPH (3 SECOND GUST) AND NOMINAL DESIGN WIND SPEED VASD=91 MPH.  
SOIL BEARING CALCULATIONS ARE BASED ON SOIL BASE CONDITION 3000 PSF @48" BELOW GRADE UNLESS NOTED OTHERWISE.  
30 PSF(LIVE) MIN.SNOW; 5 PSF TOP CHORD & 5 PSF BOTTOM CHORD LOADS.

- A4.10 APPLICABLE BUILDING CODES  
THESE PLANS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING BUILDING CODES: 2015 IBC CODE NJ EDITION (N.J.A.C. 5:23-3.14)
- A4.11 DESIGN CRITERIA:  
DESIGN REFERENCES=NFA GUIDELINES FOR POST & FRAME CONSTRUCTION& NDS 2005 AMERICAN FOREST & PAPER ASSOCIATION (WFCM& NDS 2005 FOR WOOD CONSTRUCTION) SOUTHERN PINE COUNCIL (JOISTS & RAFTERS/ HEADERS & BEAMS)  
THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC 117-93 AND 2/98 ADDENDUM)  
SOUTHERN BUILDING CODE CONGRESS (SSTPD10)  
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE-7-10)  
GEORGIA PACIFIC ENGINEERED LUMBER (EDITION VIII)

- A4.12 WARRANTY NOTES  
ANY DESIGN MODIFICATION OR ANY STRUCTURAL MODIFICATION BEFORE, DURING, OR AFTER CONSTRUCTION TO BUILDING BY ANY PERSON(S) OR COMPANY OTHER THAN WORK PERFORMED OR APPROVED BY SHIRK POLE BUILDINGS LLC WILL VOID ANY AND ALL WARRANTIES PROVIDED BY MANUFACTURERS AND/OR SHIRK POLE BUILDINGS LLC. SUCH DESIGN MODIFICATIONS AND/OR STRUCTURAL MODIFICATIONS INCLUDE:  
DRILLING, REMOVING, CUTTING, SAWING, SPLINTERING OR DAMAGING ANY STRUCTURAL MEMBERS INCLUDING FOOTINGS, POSTS, GIRTS, BEAMS, TRUSSES, PERLINS, PANELS, WINDOWS, DOORS, NAILS, SCREWS, AND BOLTS.  
SUCH DESIGN MODIFICATIONS AND/OR STRUCTURAL MODIFICATIONS ALSO INCLUDE:  
ADDING ADDITIONS, SNOW DRIFT LOAD FROM ADDITIONS, LEAN-TOS, ATTIC STORAGE, CHAIN HOISTS, OPENINGS, SKYLIGHTS, ROOF VENTS, AND LOUVERS.  
SHIRK POLE BUILDINGS LLC WILL NOT BE LIABLE FOR ANY FAILURES RESULTING FROM THOSE MODIFICATIONS LISTED ABOVE, OR FROM ANY OTHER MODIFICATIONS NOT APPROVED BY A CERTIFIED ENGINEER.

- A4.13 CONTRACTOR LICENSING  
NJ 13YH02705800 EXPIRES 3/31/2020



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DETAILS

**A.4**