FOUNDATION NOTES

1 - DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF.

2 - POSITIVE SURFACE DRAINAGE SHALL BE MAINTAINED TO PREVENT ACCUMULATION OF WATER IN THE EXCAVATED AREAS.

3 - EXISTING TOPSOIL ALONG WITH ALL ORGANIC AND DELETERIOUS MATERIALS SHALL BE REMOVED FROM NEW CONSTRUCTION AREAS.

4 - IMMEDIATELY PRIOR TO CONSTRUCTION, SUBGRADE SOILS SHALL BE PROOF ROLLED WITH A FULLY LOADED DUMP TRUCK OR OTHER APPROVED HEAVY EQUIPMENT TO DETECT ANY UNSUITABLE SOILS. THE PROOF ROLLING EQUIPMENT SHALL MAKE A MINIMUM OF FIVE PASSES OVER EACH SECTION. MAKE THE FINAL TWO PASSES PERPENDICULAR TO THE FIRST THREE. ANY AREAS WITH INDICATIONS OF PUMPING OR RUTTING MUST BE UNDERCUT OR SCARIFIED AND DENSIFIED IN PLACE AND PROOF ROLLED AGAIN. CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO BEGINNING PROOF ROLLING OPERATIONS.

5 - ALL FILL SHALL PLACED IN EQUAL LIFTS OF 8 INCHES DEPTH MAXIMUM AND SHALL BE COMPACTED TO AT LEAST 95% OF MODIFIED PROCTOR (ASTM D1557)

GENERAL NOTES

1 - CONTRACTOR SHALL PROVIDE ANY REQUIRED SHORING AND BRACING AS REQUIRED TO MAINTAIN STRUCTURAL STABILITY DURING THE CONSTRUCTION PROCESS. ALL EXTERIOR STUD WALLS SHALL BE BRACED UNTIL ROOF TRUSSES, ROOF SHEATHING & WALL SHEATHING ARE INSTALLED.

2 - DETAILS INDICATED IN THE PLANS FOR ONE SPECIFIC CONDITION SHALL APPLY TO ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.

3 - ALL CONCRETE STRENGTH SHALL BE 3000 PSI AT 28 DAYS.

4 - ALL STEEL REINFORCEMENT INSTALLED SHALL BE ASTM A615, GRADE 60. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, 9TH EDITION.

5 - CONCRETE MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530 ASCE7; BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.

6 - ALL MORTAR SHALL BE TYPE "S" AS SPECIFIED BY ASTM C90.

7 - CONTRACTOR SHALL VERIFY DIMENSIONS AND ELEVATIONS INDICATED ON DRAWINGS AND RESOLVE ANY DISCREPANCIES PRIOR TO STARTING OF CONSTRUCTION.

CONCRETE PROTECTION

1 - CONCRETE CAST AGAINST EARTH 3"
2 - CONCRETE EXPOSED TO EARTH OR WEATHER
#3 THROUGH #5 BAR SIZE 1 1/2"
3 - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH
#3 THROUGH #11 BAR SIZE 3/4"

WOOD FRAMING NOTES

1 - MEMBERS SHALL BE CLOSELY FITTED, ACCURATELY SET TO REQUIRED LINES AND LEVELS AND SECURED TIGHTLY IN PLACE.

2 - MEMBERS SHALL BE CUT, NOTCHED & BORED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF APPA-T901 FOR THE PASSAGE OF PIPES, WIRES OR CONDUITS.

3 - ALL MEMBERS SHALL BE ALIGNED AND ALL CONNECTIONS COMPLETED BEFORE REMOVAL OF ANY TEMPORARY BRACING.

4 - ALL EXTERIOR STUDS SHALL BE 2X4. STUDS SHALL BE SPACED AT 16" MAX. O.C.

5 - INSTALL THE FOLLOWING MINIMUM STUDS ADJACENT TO OPENINGS -
3'-6" OR LESS IN WIDTH - 1 JACK STUD & 2 FULL HEIGHT STUDS EACH SIDE OF OPENING.
GREATER THAN 3'-6" IN WIDTH - 2 JACK STUDS & 3 FULL HEIGHT STUDS EACH SIDE OF OPENING.

6 - HEADERS FOR OPENINGS SHALL BE 2-2X10's.

7 - ALL WALLS TO BE PROVIDED WITH DOUBLE TOP PLATE WITH MEMBERS LAPPED A MINIMUM OF 2'-0".

8 - SET ALL STRUCTURAL MEMBERS LEVEL AND PLUMB IN CORRECT POSITION.

9 - MAKE PROVISIONS FOR ERECTION LOADS AND PROVIDE SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.

10 - PLACE ALL HORIZONTAL MEMBERS FLAT WITH CROWN SIDE UP.

11 - SECURE ROOF SHEATHING PERPENDICULAR TO FRAMING MEMBERS WITH ENDS STAGGERED AND SHEET ENDS OVER FIRM BEARING. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING.

12 - TOLERANCES - FRAMING MEMBERS: 1/4" FROM TRUE POSITION MAXIMUM

13 - MEMBERS TO BE #2 SYP.

14 - PROVIDE A MINIMUM OF 2 CONTINUOUS FULL HEIGHT STUDS GROUPED TOGETHER AT EACH WALL CORNER.

15 - PROVIDE HURRICANE TIES AT EACH END OF EACH RAFTER - MODEL NUMBER OF TIE TO BE INSTALLED WILL BE SIMPSON H2.5A OR EQUIVALENT.

NAILING REQUIREMENTS

1 - PER TABLE R602.3(1), R602.3(2) & R602.3(3)

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 19284 DALE [illegible]

07-23-2017

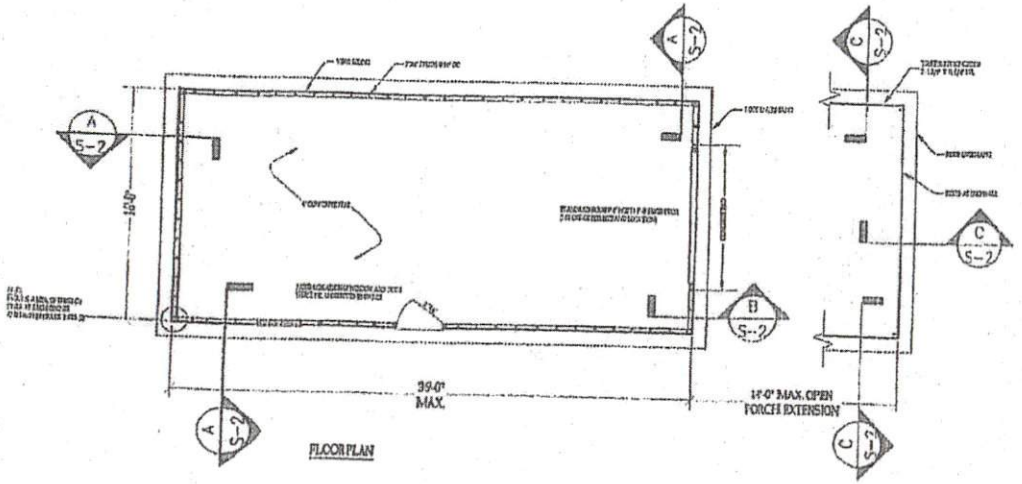
DESIGN CRITERIA
2015 IRC & ASCE-7
MIN. DESIGN LOADS - ASCE7
WIND SPEED V_{ULT} = 140 MPH, V_{ASD} = 108 MPH
SEISMIC DESIGN CATEGORY = D_1

CONTRACTOR
HARTSVILLE LUMBER AND BARNS
1113 NORTH 5TH STREET
HARTSVILLE, SC 29550

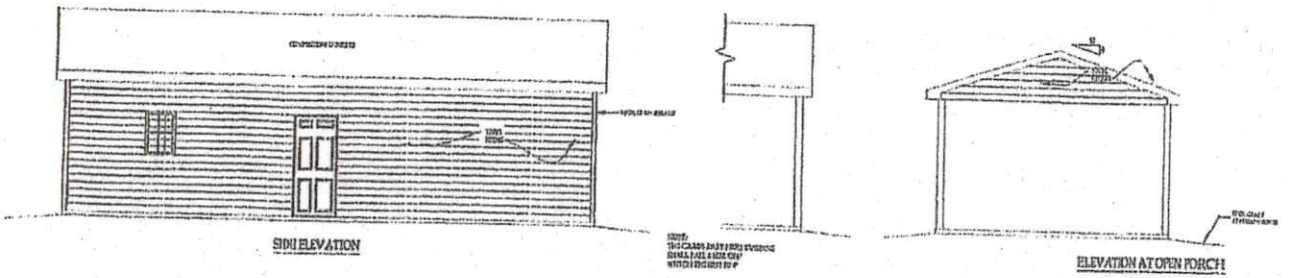
PROJECT
IRC 2015
STANDARD BUILDING
16' WIDE X 36' LONG
WITH OPTIONAL PORCH

Title: NOTES
Date: 07/23/2017
DRAWN BY: ME
DESIGNED BY: DD
REVISIONS

Sheet: S-1

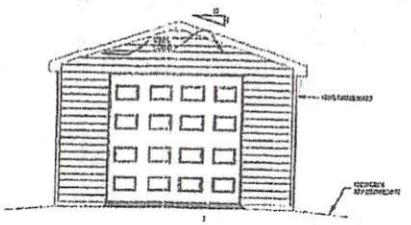


FLOOR PLAN



SIDE ELEVATION

ELEVATION AT OPEN PORCH



FRONT ELEVATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 19284 DAVID DIPPER

07-23-2017

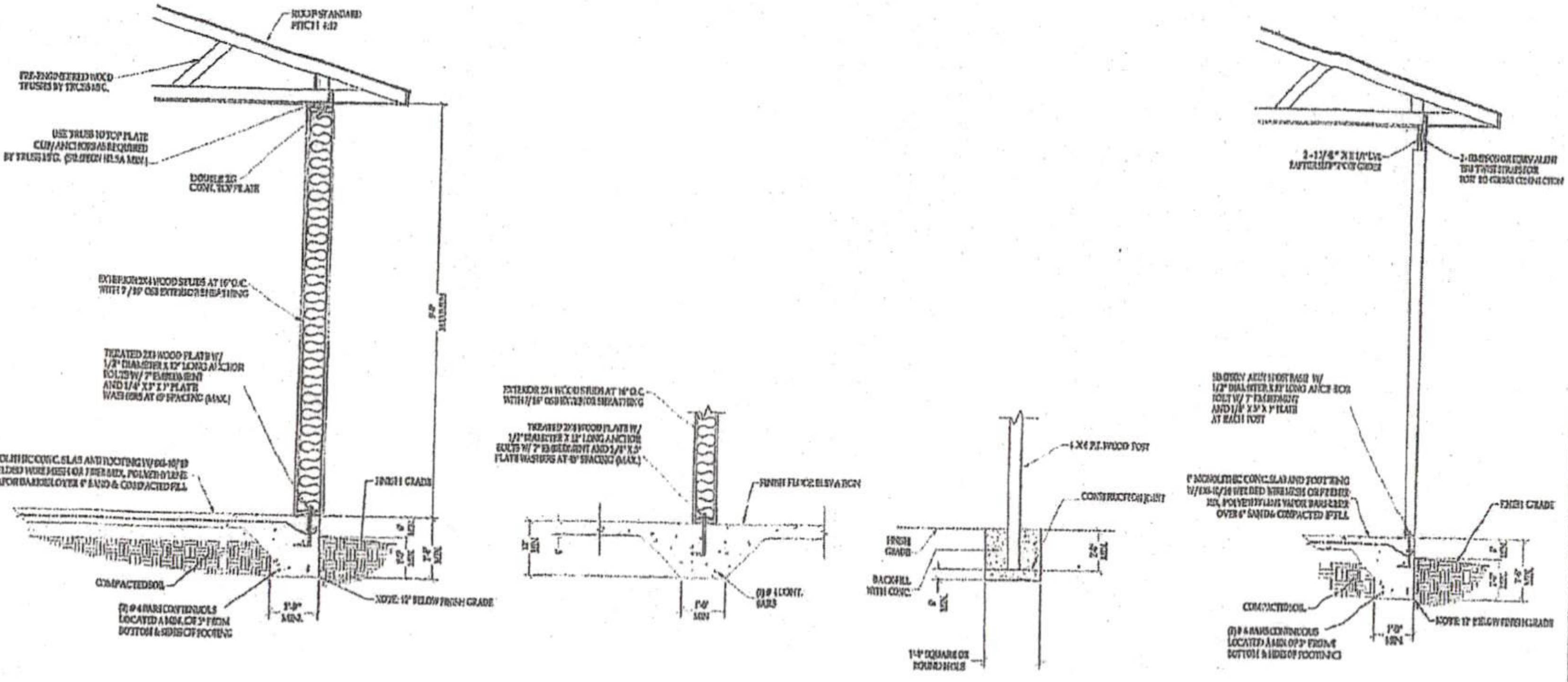
DESIGN CRITERIA
2015 IBC & ASCE-7
MIN. DESIGN LOADS - ASCE7
WIND SPEED VULT = 140 MPH, VASD = 108 MPH
SEISMIC DESIGN CATEGORY = D1

CONTRACTOR
HARTSVILLE LUMBER AND BARNS
1119 NORTH 5TH STREET
HARTSVILLE, SC 29550

PROJECT
IRC 2015
STANDARD BUILDING
16' WIDE X 36' LONG
WITH OPTIONAL PORCH

Title: FLOOR PLAN AND ELEVATIONS
DATE: 07/23/2017
DRAWN BY: ME
DESIGNED BY: DD
REVISIONS

S-3



SECTION "A - A"
TYPICAL EXTERIOR WALL SECTION

SECTION "B - B"

SECTION "C - C" - DETAIL AT (OPTIONAL) PORCH CORNER

DESIGN CRITERIA
2015 IBC & ASCE-7
MIN. DESIGN LOADS - ASCE 7
WIND SPEED VULT = 140 MPH, VASD = 108 MPH
SEISMIC DESIGN CATEGORY = D1

CONTRACTOR
HARTSVILLE LUMBER AND BARNS
1113 NORTH 5TH STREET
HARTSVILLE, SC 29550

PROJECT
IRC 2015
STANDARD BUILDING
16' WIDE X 36' LONG
WITH OPTIONAL PORCH

Title	WALL SECTIONS
Date	07/23/2017
DRAWN BY	ME
DESIGNED BY	DD
REVISIONS	

Sheet
S-2

Dale Draper, P.E.
Structural Engineer

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Phone: 843-992-3309
E-mail: addraper@sc.rr.com

April 17, 2020

Scott Kirkley
Hartsville Lumber and Barns
1113 N. Fifth Street
Hartsville, SC 29550

Design Criteria:
Wind Speed: V_{ULT} = 150 MPH, V_{ASD} = 116 MPH
Wind Exposure = C
Seismic Design Category = D

Scott Kirkley:
This construction meets the requirements of the 2018 IRC.

Dale Draper
04-17-2020

Dale Draper
SC PE # 19284