
ADDRESS . . : *UNASSIGNED SUBDIV:
CONTRACTOR : PHONE :
OWNER . . . : LUTHERAN OUTDOOR MINISTRIES PHONE :
PARCEL . . . : 05-0614- - -9004- - -
APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

DIRECTIONS : 401 NORTH TO CHRISTIAN LIGHT RD. LEFT
ON CHRISTIAN LIGHT RD GO AOBUT 4 MILES
TO COKESBURY RD LEFT ONTO COKESBURY RD
GO AOBUT 3 MILES TO RIVER RD THEN LEFT
ON RIBER RD ABOUT 1.7 MILES TO AGAPE
DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
IS TYLER DEWAR LANE.
T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
C151 01	3/28/08 <u>3/28/08</u>	TI <u>APBS</u>	C*BLDG FOOTING TIME: 17:00 VRU #: 001584630

----- COMMENTS AND NOTES -----

ADDRESS : *UNASSIGNED SUBDIV:
CONTRACTOR : PHONE :
OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
PARCEL : 05-0614- - -9004- - -
APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

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IS TYLER DEWAR LANE.
T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM

FLOOD ZONE : FLOOD ZONE X
PROPOSED USE : CABIN/MTG ROOM SEPTIC - EXISTING? : NA

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
C151 01	3/28/08 3/28/08	BS AP	C*BLDG FOOTING TIME: 17:00 VRU #: 001584630 Per phone conversation with Paul Briggs (architect), it is ok to substitute 3 # 4 continuous in all footings instead of 4 #4, also ok to substitute #4 verticals in basement area in lieu of #5 verticals. Engineers letter to be issued T/S: March 28, 2008 10:51 AM BSUTTON ----- on 03-31-08
C155 01	4/03/08 <u>4.3.08</u>	TI <u>APBS</u>	C*BLDG FOUNDATION TIME: 17:00 VRU #: 001587815

----- COMMENTS AND NOTES -----

PAUL BRIGGS ARCHITECT

22 TALBERT BOULEVARD
LEXINGTON, NC 27292
Phone - 336-248-2030
Fax - 336-248-6355

Fax

To: Harnett County Inspections	From: Paul Briggs
Fax: 910-814-8277	Pages: 1 inc. cover
Phone:	Date: March 31, 2008
Re: Agape Camp Duplex Cabin	CC:

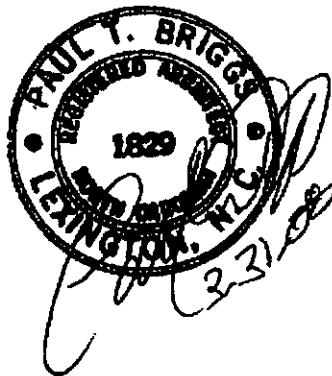
Urgent For Review Please Comment Please Reply Please Recycle

● **Comments:**

To Whom It May Concern:

I hereby approve using three (3) # 4 bars continuous for the footings in lieu of the size and number shown on the approved plans.

Paul Briggs, A.I.A.
Architect



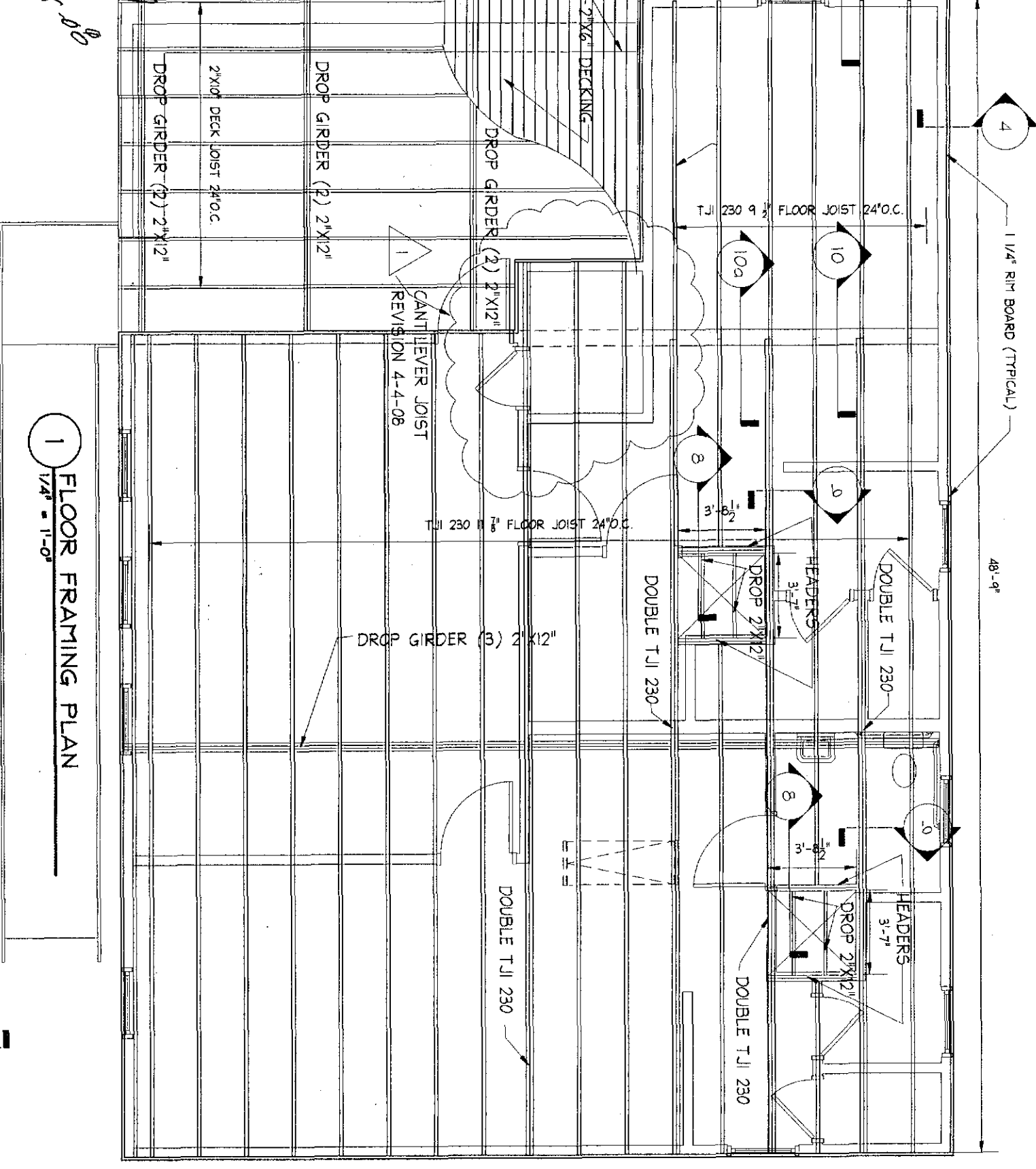
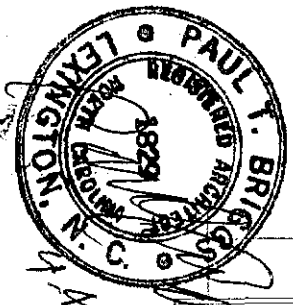
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 OWNER . . : LUTHERAN OUTDOOR MINISTRIES PHONE :
 PARCEL . . : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS
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 DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
 IS TYLER DEWAR LANE.
 T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
 FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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C155 01	4/03/08 4/03/08	BS AP	C*BLDG FOUNDATION TIME: 17:00 VRU #: 001587815 Engineers letter for footing attached to foundation paperwork
C163 01	4/07/08 <u>4-7-08</u>	TI <u>APBS</u>	C*BLDG FLOOR FRAMING VRU #: 001588789

----- COMMENTS AND NOTES -----



1 FLOOR FRAMING PLAN
1/4" = 1'-0"

ADDRESS : *UNASSIGNED SUBDIV:
CONTRACTOR : PHONE :
OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
PARCEL : 05-0614- - -9004- - -
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STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

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C163 01	4/07/08 4/07/08	BS AP	C*BLDG FLOOR FRAMING VRU #: 001588789
C153 01	4/24/08 <u>4/24/08</u>	TI <u>DABS</u>	C*BLDG ROUGH IN VRU #: 001598358

PERMIT: CPEC 00 CP ELECTRICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
E251 01	4/24/08	TI <u>APBS</u>	C*ELEC ROUGH IN VRU #: 001598366

PERMIT: CPMC 00 CP MECHANICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
M459 01	4/24/08	TI <u>APBS</u>	C*MECH ROUGH IN VRU #: 001598374

PERMIT: CPPC 00 CP PLUMBING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
P351 01	4/24/08	TI <u>DABS</u>	C*PLUMB ROUGH IN TIME: 17:00 VRU #: 001598382 PRESSURE TEST FOR SPRINKLER SYSTEM NEEDS TO BE CHECKED AS

PREPARED 4/23/08, 14:06:38
Harnett County

INSPECTION TICKET
INSPECTOR: IVR

PAGE 36
DATE 4/24/08

ADDRESS : *UNASSIGNED SUBDIV:
CONTRACTOR : PHONE :
OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
PARCEL : 05-0614- - -9004- - -
APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
--------	------------------------	----------------	---------------------------------

WELL - THE GAGE PER CUSTOMER-WILL CONTACT BRAD.

COMMENTS AND NOTES

(SITE0305-Church Cabin -- 1369 Tyler Dewar Ln., Fuquay - CJ-7 3'4"15 Jack)

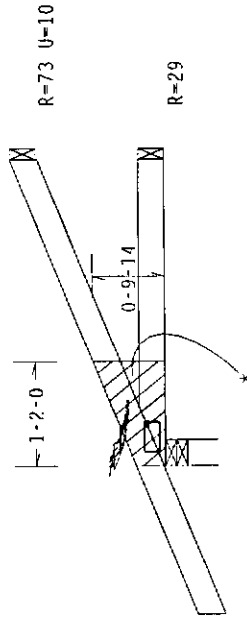
Truss repaired to mend cracked top chord.

Refer to drawing HCUSR020 08093009 (CJ-7) for lumber, plates, and other data not listed here.

Field repairs must comply with Alpine designs and specifications.

Shore Truss and any supported spans in proper position as repair is being made.

* Two-1/2" (Nom.) X (See drawing for dimensions as shown) APA 32/16 rated sheathing (plywood or OSB) gussets (cut to fit). Attach one gusset to each face of truss with (1) row of 6d common (0.113"x2.0") nails @ 2" o.c. throughout all members without splitting lumber.



1-8'-0"

3-4-15 Over 3 Supports

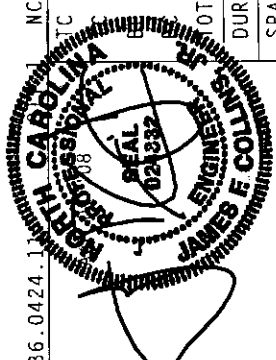
R=279 U=4 W=3.5"

Design Crit: TPI-2002 (STD)

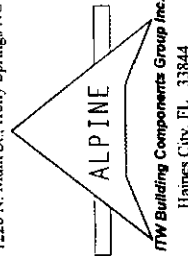
Cq/RT=1.00(1.25)/10(0) 7.36.0424.11

Scale = .5" / Ft.

REF	R020--	86080
DATE	04/09/08	
DRW	HCUSR020	08100004
HC-ENG	CR/DLJ	*
SEON-	80219	
FROM	JGP	
JREF-	1TGJ020_Z01	



PLT TYP. Wave
Henshold Building Systems, Inc. 919-852-5933
1228 N. Main St. Holly Springs NC



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PROPER SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CORNELLOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPAIRED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

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APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS
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DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
IS TYLER DEWAR LANE.
T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

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C153 01	4/24/08 4/24/08	BS DA	C*BLDG ROUGH IN VRU #: 001598358 need truss letter for trusses drilled for wiring
C153 02	4/28/08 <u>4.28.08</u>	TI <u>APBS</u>	C*BLDG ROUGH IN VRU #: 001599877

PERMIT: CPIC 00 CP INSULATION COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
I185 01	4/28/08 <u>4.28.08</u>	TI <u>DABS</u>	C*INSULATION INSPECTION VRU #: 001599901

PERMIT: CPPC 00 CP PLUMBING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
P351 01	4/24/08 4/24/08	BS DA	C*PLUMB ROUGH IN TIME: 17:00 VRU #: 001598382 PRESSURE TEST FOR SPRINKLER SYSTEM NEEDS TO BE CHECKED AS WELL - THE GAGE PER CUSTOMER-WILL CONTACT BRAD. water service pipe (pvc) must stop 5 ft outside foundation wall .
P351 02	4/28/08 <u>4.28.08</u>	TI <u>APBS</u>	C*PLUMB ROUGH IN VRU #: 001599893



Telephone FAX Transmittal

Date: 4/25/2008

From: Household Building Systems, Inc
P.O. Box 1240, Holly Springs, NC 27540
Voice: 919/552-5933
Fax: 919/552-4014

To: Stephens at FAX #: _____

Attn: Matthew

Ref: Truss Repair

We are transmitting this cover letter and 2 pages.

Comments:

Repair Engineering for Roof Truss

RT-1

Sent By: _____

Plant Location: 1220 N. Main St. (Hwy 55), Holly Springs, NC 27540

Permit #
Permit Date



REScheck Software Version 3.7.3 Compliance Certificate

Project Title: Sky View Meadow

Report Date: 04/28/08

Data filename: Untitled.rck

Energy Code: **2003 IECC**
 Location: **Fuquay-Varina, North Carolina**
 Construction Type: **Single Family**
 Glazing Area Percentage: **8%**
 Heating Degree Days: **3182**

Construction Site:
 Agape Kure Beach Ministries
 Fuquay Varina, NC

Owner/Agent:

Designer/Contractor:

Compliance: Passes Maximum UA: 446 Your Home UA: 428 > 4.0% Better Than Code (UA)
 Maximum SHGC: 0.40 Your SHGC: 0.40

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Cathedral Ceiling (no attic):	2240	20.0	0.0		112
Wall 1: Wood Frame, 16" o.c.:	1512	13.0	0.0		113
Window 1: Wood Frame:Double Pane with Low-E: SHGC: 0.40	116			0.330	38
Door 1: Solid:	20			0.540	11
Crawl 1: Solid Concrete or Masonry: Wall height: 5.0' Depth below grade: 1.0' Insulation depth: 4.2' Inside below-grade depth: 1.0'	840	12.0	0.0		154

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2003 IECC requirements in REScheck Version 3.7.3 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Robert Myers
 Builder/Designer

MPI
 Company Name

4/26/08
 Date

ICC Evaluation Service, Inc.
www.icc-es.org

Business/Regional Office ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543
Regional Office ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800
Regional Office ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07210—Building Insulation

REPORT HOLDER:

NCFI POLYURETHANES
POST OFFICE BOX 1528
MOUNT AIRY, NORTH CAROLINA 27030
(336) 789-9161
www.ncfi.com
Roger.morrison@ncfi.net

EVALUATION SUBJECT:

INSULSTAR® SPRAY APPLIED POLYURETHANE INSULATION

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- 2006 *International Energy Conservation Code*® (IECC)
- Other Codes (see Section 8)

Properties evaluated:

- Surface-burning characteristics
- Physical properties
- Thermal resistance
- Attic and crawl space installation

2.0 USES

InsulStar® insulation is used as a medium-density thermal insulating material and has been evaluated for use in Type V-B construction (IBC) and dwellings under the IRC. Under the IRC, the insulation may be used as a vapor retarder, or as an air-impermeable insulation when applied in accordance with this report.

3.0 DESCRIPTION

3.1 General:

InsulStar® is a spray-applied cellular polyurethane foam plastic insulation that is installed in cavities of roofs, ceilings, floors, crawl spaces and stud wall assemblies. The foam plastic is a two-component, closed-cell, one-to-one-by-volume spray foam system with a nominal density of 2 pcf (32 kg/m³). InsulStar® insulation may be used for application to wood, metal, concrete, masonry and gypsum board surfaces. InsulStar® insulation liquid components are supplied in nominally 55-gallon (208 L) drums, labeled as "A" component or "R" component.

3.2 Surface-burning Characteristics:

The insulation, at a maximum thickness of 4 inches (102 mm) and a nominal density of 2 pcf (32 kg/m³), has a flame-spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E 84. Thicknesses of up to 8 inches (203 mm) for wall cavities and 12 inches (305 mm) for ceiling cavities are recognized based on room corner fire testing in accordance with NFPA 286, when covered with minimum 1/2-inch-thick (13 mm) gypsum board or an equivalent thermal barrier complying with, and installed in accordance with, the applicable code.

3.3 Thermal Transmission R-values:

The insulation has thermal resistance R-values, at a mean temperature of 75°F (24°C), as shown in Table 1.

3.4 Aldocoat® 757 Intumescent Coating:

Aldocoat® 757 intumescent coating is manufactured by Aldo Products Company and is a water-based latex coating with specific gravity of 1.4. Aldocoat® 757 is supplied in 5-gallon (19 L) pails and 55-gallon (208 L) drums and has a shelf life of six months when stored in a factory-sealed container at temperatures between 40°F (4.5°C) and 90°F (32°C).

4.0 INSTALLATION

4.1 General:

InsulStar® insulation must be installed in accordance with the manufacturer's published installation instructions and this report. The manufacturer's published installation instructions and this report must be strictly adhered to, and a copy of the instructions must be available at all times on the jobsite during installation.

InsulStar insulation must be spray-applied on the jobsite using a volumetric positive displacement pump as identified in the NCFI application manual. The InsulStar R component must not be stored at temperatures below 65°F (18°C) or above 85°F (29°C). InsulStar must not be used in areas that have a maximum in-service temperature greater than 180°F (82°C). The foam plastic must not be used in electrical outlet or junction boxes or in direct continuous contact with water.

The InsulStar® insulation, with a maximum nominal thickness of 8 inches (203 mm) for wall cavities and 12 inches (305 mm) for ceiling cavities, must be separated from the interior of the building by an approved thermal barrier of 0.5-inch (12.7 mm) gypsum wallboard or an equivalent 15-minute thermal barrier complying with and installed in accordance with the applicable code. Within an attic or crawl space, installation must be in accordance with Section 4.2.

4.2 Attics and Crawl Spaces:

4.2.1 Application with a Prescriptive Ignition Barrier: When InsulStar® insulation is installed within attics or crawl spaces where entry is made only for service of utilities, an

ES REPORTS™ are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



ignition barrier must be installed in accordance with IBC Section 2603.4.1.6 or IRC Sections R314.5.3 and R314.5.4, as applicable. The ignition barrier must be consistent with the requirements for the type of construction required by the applicable code, and must be installed in a manner so that the foam plastic insulation is not exposed. InsulStar® insulation as described in this section may be installed in unvented attics in accordance with IRC Section R806.4.

4.2.2 Application without a Prescriptive Ignition Barrier: Where InsulStar® insulation is installed in accordance with Section 4.2.2.1, the following conditions apply:

- Entry to the attic or crawl space is only to service utilities, and no heat-producing appliances are permitted.
- There are no interconnected basement or attic areas.
- Air in the attic is not circulated to other parts of the building.
- Ventilation of the attic or crawl space is provided in accordance with the applicable code, except when air-impermeable insulation is permitted in unvented attics in accordance with Section R806.4 of IRC.

4.2.2.1 Application with Intumescent Coating: In attics, InsulStar® insulation may be spray-applied to the underside of roof sheathing or roof rafters, and/or vertical surfaces; and in crawl spaces, InsulStar® insulation may be spray-applied to the underside of floors and/or vertical surfaces as described in this section. The thickness of the foam plastic applied to the underside of the top of the space must not exceed 10 inches (254 mm). The thickness of the foam plastic applied to vertical surfaces must not exceed 6 inches (152 mm). The foam plastic must be covered with a minimum nominally 10-mil (0.25 mm) wet film thickness of the Aldocoat® 757 intumescent coating described in Section 3.4. The Aldocoat® 757 intumescent coating must be applied over the InsulStar® insulation in accordance with the coating manufacturer's instructions and this report. Surfaces to be coated must be dry, clean, and free of dirt, loose debris and any other substances that could interfere with adhesion of the coating. The Aldocoat® 757 coating is applied with a medium-size nap roller, soft brush or conventional airless spray equipment at a rate of 0.75 gallon per 100 square feet to obtain a recommended minimum dry film thickness of 7.5 mils (0.19 mm) [10 wet mils (0.25 wet mm)]. The coating must be applied when ambient and substrate temperatures are within a range of 50°F (10°C) to 90°F (32°C), and requires a 24-hour curing time. InsulStar® insulation may be installed in unvented attics as described in this section in accordance with IRC Section R806.4.

4.2.3 Use on Attic Floors: InsulStar® insulation may be installed exposed at a maximum thickness of 12 inches (305 mm) between joists in attic floors. The InsulStar® insulation must be separated from the interior of the building by an approved thermal barrier. The ignition barrier in accordance with IBC Section 2603.4.1.6 and IRC Section R314.2.3 may be omitted.

5.0 CONDITIONS OF USE

The InsulStar® insulation described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** This evaluation report and the manufacturer's published installation instructions, when required by the code official, must be submitted at the time of permit application.

- 5.2** InsulStar® insulation and Aldocoat® 757 intumescent coating must be installed in accordance with the manufacturer's published installation instructions, this evaluation report and the applicable code. The instructions within this report govern if there are any conflicts between the manufacturer's published installation instructions and this report.
- 5.3** InsulStar® insulation must be separated from the interior of the building by an approved 15-minute thermal barrier, as described in Section 4.1, except when installation is in attics and crawl spaces as described in Section 4.2.
- 5.4** InsulStar® insulation must be protected from the weather during application.
- 5.5** InsulStar insulation must be applied by installers certified by NCFI Polyurethanes.
- 5.6** Use of InsulStar® insulation in areas where the probability of termite infestation is "very heavy" must be in accordance with IBC Section 2603.8 or IRC Section R320.5, as applicable.
- 5.7** Jobsite certification and labeling of the insulation must comply with IRC Sections N1101.4 and N1101.4.1 and IECC Sections 102.1.1 and 102.1.11, as applicable.
- 5.8** InsulStar® insulation at a 1⁵/₁₆-inch (33.3 mm) thickness or greater is a vapor retarder as defined in IRC Section R202 and IECC Section 202.
- 5.9** InsulStar® insulation is produced in Mount Airy, North Carolina, and Clearfield, Utah, under a quality control program with inspections by Construction Materials Technologies (AA-709).

6.0 EVIDENCE SUBMITTED

- 6.1** Data in accordance with ICC-ES Acceptance Criteria for Spray-applied Foam Plastic Insulation (AC377), dated October 2007.
- 6.2** Reports on room corner fire tests in accordance with NFPA 286.
- 6.3** Reports on air leakage tests in accordance with ASTM E 283.
- 6.4** Reports on water vapor transmission tests in accordance with ASTM E 96.

7.0 IDENTIFICATION

Components of the InsulStar® insulation are identified with the manufacturer's name (NCFI Polyurethanes), address and telephone number; the product trade name (InsulStar®); use and application instructions; the density; the flame-spread and smoke-development indices; the evaluation report number (ESR-1615); and the name of the inspection agency (PRI Construction Materials Technologies LLC).

Aldocoat® 757 intumescent coating is identified with the manufacturer's name (Aldo Products Company, Inc.) and address; the product trade name (Aldocoat 757); use instructions; and the name of the inspection agency (PRI Construction Materials Technologies LLC).

8.0 OTHER CODES

8.1 Evaluation Scope:

The products recognized in this report have also been evaluated in accordance with the following codes:

- BOCA® *National Building Code*/1999 (BNBC)
- 1999 *Standard Building Code*® (SBC)
- 1997 *Uniform Building Code*™ (UBC)

8.2 Uses:

See Section 2.0, except the product has been evaluated for Type 5-B (BNBC), Type VI (SBC) and Type V-N (UBC).

8.3 Description:

See Section 3.0.

8.4 Installation:

See Section 4.0 except the wording of Section 4.2.1 should be replaced with the wording of Section 8.4.1 and the wording of Section 4.2.3 should be replaced with the wording of Section 8.4.2.

8.4.1 Application with a Prescriptive Ignition Barrier: When InsulStar® insulation is installed within attics or crawl spaces where entry is made only for service of utilities, an ignition barrier must be installed in accordance with BNBC Section 2603.4.1.4, SBC Section 2603.5.1.6, or UBC Section

2602.4, as applicable. The ignition barrier must be consistent with the requirements for the type of construction required by the applicable code, and must be installed in a manner so that the foam plastic insulation is not exposed.

8.4.2 Use on Attic Floors: InsulStar® insulation may be installed exposed at a maximum thickness of 12 inches (305 mm) between joists in attic floors. The InsulStar® insulation must be separated from the interior of the building by an approved thermal barrier. The ignition barrier in accordance with BNBC Section 2603.4.1.4, SBC Section 2603.5.1.6, and UBC Section 2602.4 may be omitted.

8.5 Conditions of Use:

The InsulStar® insulation described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 8.1 of this report, subject to the conditions noted in Sections 5.1 through 5.9.

TABLE 1— THERMAL RESISTANCE (R-VALUES)

THICKNESS (Inches)	R-VALUES (°F.ft ² .h/Btu)
ASTM C 518 TESTED VALUES	
1	6.4
4	25
CALCULATED R-VALUES¹	
2	13
3	19
3.5	22
4.75	30
5	32
6	38
7	45
7.5	48
8	51
9	57
10	64
11	70
11.5	73
12	76

For SI: 1 inch = 25.5 mm; 1 °F.ft².h/Btu = 0.176 110 °K.m²/W.

¹Calculated R-values are based on tested K-values at 4-inch thickness.

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE FOR MINIMUM ALTERNATIVE BRACING. RE-RUN DESIGN WITH APPROPRIATE BRACING.

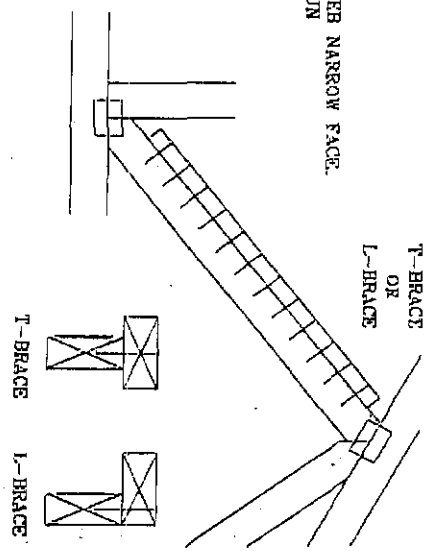
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

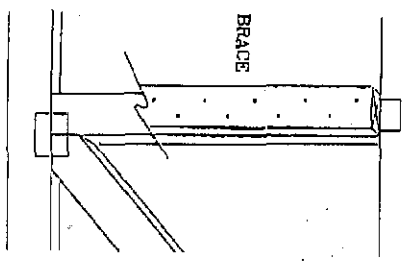
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10D BOX OR GUN
(0.128" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 90% OF WEB
MEMBER LENGTH



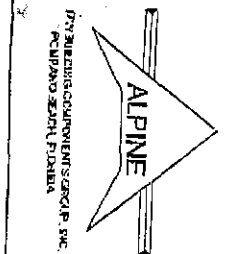
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10D BOX OR GUN
(0.128" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
90% OF WEB MEMBER LENGTH

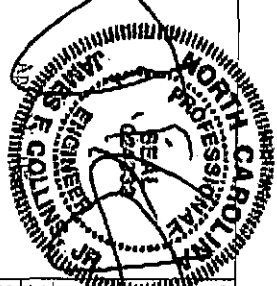


SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640



ALPINE TRUSSING GOVERNMENT SPECIAL, INC. IS A TRUSSING COMPANY THAT HAS BEEN IN BUSINESS SINCE 1965. WE ARE A LEADER IN THE TRUSSING INDUSTRY AND HAVE A REPUTATION FOR EXCELLENCE IN DESIGN AND CONSTRUCTION. OUR TRUSSES ARE USED IN A WIDE VARIETY OF APPLICATIONS, INCLUDING ROOFING, BRACING, AND STRUCTURAL SUPPORT. WE OFFER A FULL RANGE OF SERVICES, FROM DESIGN TO INSTALLATION. OUR TRUSSES ARE MADE FROM HIGH-QUALITY MATERIALS AND ARE DESIGNED TO LAST. WE ARE COMMITTED TO CUSTOMER SATISFACTION AND OFFER A FULL RANGE OF SERVICES, FROM DESIGN TO INSTALLATION. OUR TRUSSES ARE MADE FROM HIGH-QUALITY MATERIALS AND ARE DESIGNED TO LAST. WE ARE COMMITTED TO CUSTOMER SATISFACTION AND OFFER A FULL RANGE OF SERVICES, FROM DESIGN TO INSTALLATION.



NO.	REV.	DATE	BY	CHKD.	APP.
1	DL	2/23/07	PSP	PSP	PSP
2	DL		PSP	PSP	PSP
3	DL		PSP	PSP	PSP
4	DL		PSP	PSP	PSP
5	DL		PSP	PSP	PSP
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9	DL		PSP	PSP	PSP
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97	DL		PSP	PSP	PSP
98	DL		PSP	PSP	PSP
99	DL		PSP	PSP	PSP
100	DL		PSP	PSP	PSP

ADDRESS . . : *UNASSIGNED SUBDIV:
 CONTRACTOR : PHONE :
 OWNER . . . : LUTHERAN OUTDOOR MINISTRIES PHONE :
 PARCEL . . . : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS
 DIRECTIONS : 401 NORTH TO CHRISTIAN LIGHT RD. LEFT
 ON CHRISTIAN LIGHT RD GO AOBUT 4 MILES
 TO COKESBURY RD LEFT ONTO COKESBURY RD
 GO AOBUT 3 MILES TO RIVER RD THEN LEFT
 ON RIBER RD ABOUT 1.7 MILES TO AGAPE
 DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
 IS TYLER DEWAR LANE.
 T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
 FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
C151 01	3/28/08 3/28/08	BS AP	C*BLDG FOOTING TIME: 17:00 VRU #: 001584630 Per phone conversation with Paul Briggs (architect), it is ok to substitute 3 # 4 continuous in all footings instead of 4 #4, also ok to substitute #4 verticals in basement area in lieu of #5 verticals. Engineers letter to be issued T/S: March 28, 2008 10:51 AM BSUTTON ----- on 03-31-08
C155 01	4/03/08 4/03/08	BS AP	C*BLDG FOUNDATION TIME: 17:00 VRU #: 001587815 Engineers letter for footing attached to foundation paperwork
C163 01	4/07/08 4/07/08	BS AP	C*BLDG FLOOR FRAMING VRU #: 001588789
C153 01	4/24/08 4/24/08	BS DA	C*BLDG ROUGH IN VRU #: 001598358 need truss letter for trusses drilled for wiring
C153 02	4/28/08 4/28/08	BS AP	C*BLDG ROUGH IN VRU #: 001599877
I185 01	4/30/08 <u>4.30.08</u>	TI <u>APR</u>	C*INSULATION INSPECTION VRU #: 001601252

----- COMMENTS AND NOTES -----

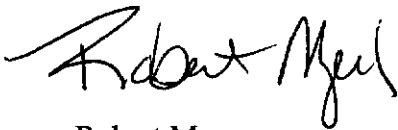
April 29, 2008

Harnett County
Inspections

Attn: To whom it may concern

Mr. Inspector,

MPI installed foam insulation and intumescent coating in accordance with the manufacturer's specifications/requirements in the house at AGADE CAMP in Fuquay-Varina, NC (Permit# 0850019495). MPI is a certified installer of NCFI Foam insulation. I have attached the product specs sheet, the RES check, and the ICC report. If you have any questions please call me at 919-656-8464.



Robert Myers

Permit # - 08-50019495



CORPORATE OFFICE & AGAPE OFFICE:
1369 Tyler Dewar Lane † Fuquay-Varina, NC 27526
Ph. (919) 552-9421 FAX (919) 552-0720
E-mail: Agape-LOM@jumo.com

KURE BEACH OFFICE:
601 South Fort Fisher Blvd. † Kure Beach, NC 28449
Ph. & FAX (910) 458-0783

April 29, 2008

Dear Shingle Manufacturer,

By request of the Harnett County Building Inspector, we want to inform you that the insulation installation method we have chosen for the "Gerhard Cabin" at Camp Agapé may limit shingle life. The sealed structure insulating with a spray-on application may, in the inspector's opinion, void the warranty on the shingle products we have purchased from you for the "Gerhard Cabin". As a result, we will not hold you liable for shingle failure due to this new "green construction" method of insulating buildings.

Installation of the shingles on the cabin took place April 20, 2008

Insulation was sprayed-on the cabin April 25, 2008

Sincerely,

A handwritten signature in black ink, appearing to read 'Randy Youngquist-Thurow', written in a cursive style.

Randy Youngquist-Thurow
Executive Director
Agapé + Kure Beach Ministries
1369 Tyler Dewar Lane
Fuquay-Varina, NC 27526

"Experience the Spirit – Christ, Creation, Community"

ADDRESS : *UNASSIGNED SUBDIV:
 CONTRACTOR : PHONE :
 OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
 PARCEL : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS
 DIRECTIONS : 401 NORTH TO CHRISTIAN LIGHT RD. LEFT
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 GO AOBUT 3 MILES TO RIVER RD THEN LEFT
 ON RIBER RD ABOUT 1.7 MILES TO AGAPE
 DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
 IS TYLER DEWAR LANE.
 T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
 FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

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C153 02	4/28/08 4/28/08	BS AP	C*BLDG ROUGH IN VRU #: 001599877
I185 01	4/30/08 4/30/08	BS AP	C*INSULATION INSPECTION VRU #: 001601252 liability waiver for shingles attached. At final, water heaters must be in basement area or foam insulation in crawl area must be sprayed with ignition barrier coating
C159 01	5/02/08 <u>5-2-08</u>	TI <u>APB</u>	C*BLDG SLAB INSP VRU #: 001602531

COMMENTS AND NOTES

ADDRESS : *UNASSIGNED SUBDIV:
 CONTRACTOR : PHONE :
 OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
 PARCEL : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS
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 IS TYLER DEWAR LANE.
 T/S: 02/25/2008 08:39 AM DJOHNSON --

STRUCTURE: 000 000 35X49 CABIN AND MEETING ROOM
 FLOOD ZONE : FLOOD ZONE X

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

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C159 01	5/02/08 5/02/08	BS AP	C*BLDG SLAB INSP VRU #: 001602531
A814 01	5/28/08	TI	ADDRESS CONFIRMATION VRU #: 001615509

PERMIT: CPLU 00 CP LAND USE PERMIT

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
Z818 01	5/28/08 <u>5/28/08</u>	TI <u>RB/AP</u>	PZ*ZONING INSPECTION VRU #: 001615517

COMMENTS AND NOTES

ADDRESS : 1618 TYLER DEWAR LN
 CONTRACTOR :
 OWNER : LUTHERAN OUTDOOR MINISTRIES
 PARCEL : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

SUBDIV:
 PHONE :
 PHONE :

62676902

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
C151 01	3/28/08 3/28/08	BS AP	C*BLDG FOOTING TIME: 17:00 VRU #: 001584630 Per phone conversation with Paul Briggs (architect), it is ok to substitute 3 # 4 continuous in all footings instead of 4 #4, also ok to substitute #4 verticals in basement area in lieu of #5 verticals. Engineers letter to be issued T/S: March 28, 2008 10:51 AM BSUTTON ----- on 03-31-08
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C159 01	5/02/08 5/02/08	BS AP	C*BLDG SLAB INSP VRU #: 001602531
A814 01	5/28/08 5/30/08	TI AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001615509 CABIN 4= 1618 TYLER DEWAR LN
C179 01	6/10/08 <u>6-10-08</u>	TI <u>DABS</u>	C*BLDG FINAL TIME: 17:00 VRU #: 001622547

PERMIT: CPEC 00 CP ELECTRICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
E251 01	4/24/08 4/24/08	BS AP	C*ELEC ROUGH IN VRU #: 001598366
E265 01	6/10/08 <u>6-10-08</u>	TI <u>AERS</u>	C*ELEC FINAL TIME: 17:00 VRU #: 001622562

PERMIT: CPMC 00 CP MECHANICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
M459 01	4/24/08 4/24/08	BS AP	C*MECH ROUGH IN VRU #: 001598374
M465 01	6/10/08 <u>6-10-08</u>	TI <u>AERS</u>	C*MECH FINAL TIME: 17:00 VRU #: 001622570

PERMIT: CPPC 00 CP PLUMBING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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ADDRESS : 1618 TYLER DEWAR LN
CONTRACTOR :
OWNER : LUTHERAN OUTDOOR MINISTRIES
PARCEL : 05-0614- - -9004- - -
APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

SUBDIV:
PHONE :
PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
P351 01	4/24/08 4/24/08	BS DA	C*PLUMB ROUGH IN TIME: 17:00 VRU #: 001598382 PRESSURE TEST FOR SPRINKLER SYSTEM NEEDS TO BE CHECKED AS WELL - THE GAGE PER CUSTOMER-WILL CONTACT BRAD. water service pipe (pvc) must stop 5 ft outside foundation wall.
P351 02	4/28/08 <u>4-28-08</u>	TI <u>ARR</u>	C*PLUMB ROUGH IN VRU #: 001599893
P361 01	6/10/08 <u>6-10-08</u>	TI <u>APBS</u>	C*PLUMB FINAL TIME: 17:00 VRU #: 001622588

----- COMMENTS AND NOTES -----

EXPIRE DATE 7.9.08

T 4784

TEMPORARY POWER CERTIFICATE

JOB NAME Camp Agape Sky View Cabin

OWNER _____ ADDRESS 1618 Tyler Drive PHONE _____

LOCATION _____

Progress Energy The power company shall not be required to terminate electric service supplied to the premises described above on or after the expiration date specified in this certificate, unless and until it is notified in writing by the Harnett County Electrical Inspector to do so.

I the undersigned understand that this certificate is for Temporary Power only and that a final inspection is required before permanent power will be approved. I shall also comply with any special requirement requested by the Harnett County Inspection Department.

Date 10-10-08

[Signature]
Owner or Authorized Signature

This certificate issued pursuant to the requirements of Section 105 of the North Carolina State Building Code certifying at the time of issuance this structure was in temporary compliance with the various ordinances of the County of Harnett regulating building construction or use.

Date 10-10-08

[Signature]
Building Official

This is For Conditional Power. Do Not Occupy

ADDRESS : 1618 TYLER DEWAR LN SUBDIV:
 CONTRACTOR : PHONE :
 OWNER : LUTHERAN OUTDOOR MINISTRIES PHONE :
 PARCEL : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

DIRECTIONS : 401 NORTH TO CHRISTIAN LIGHT RD. LEFT
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 GO AOBUT 3 MILES TO RIVER RD THEN LEFT
 ON RIBER RD ABOUT 1.7 MILES TO AGAPE
 DRIVEWAY THEN RIGHT AT AGAPE SIGN THIS
 IS TYLER DEWAR LANE.
 T/S: 02/25/2008 08:39 AM DJOHNSON --

PERMIT: CBCO 00 CP BUILDING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
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C153 02	4/28/08 4/28/08	BS AP	C*BLDG ROUGH IN VRU #: 001599877
I185 01	4/30/08 4/30/08	BS AP	C*INSULATION INSPECTION VRU #: 001601252 liability waiver for shingles attached. At final, water heaters must be in basement area or foam insulation in crawl area must be sprayed with ignition barrier coating
C159 01	5/02/08 5/02/08	BS AP	C*BLDG SLAB INSP VRU #: 001602531
A814 01	5/28/08 5/30/08	TI AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001615509 CABIN 4= 1618 TYLER DEWAR LN
C179 01	6/10/08 6/10/08	BS DA	C*BLDG FINAL TIME: 17:00 VRU #: 001622547 No grab bars installed in bathrooms
C179 02	6/13/08 <i>6/13/08</i>	TI <i>APB</i>	C*BLDG FINAL TIME: 17:00 VRU #: 001625938

PERMIT: CPEC 00 CP ELECTRICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
E251 01	4/24/08 4/24/08	BS AP	C*ELEC ROUGH IN VRU #: 001598366
E265 01	6/10/08 6/10/08	BS AE	C*ELEC FINAL TIME: 17:00 VRU #: 001622562 temp power approved, but fire alarm system not installed

ADDRESS : 1618 TYLER DEWAR LN
 CONTRACTOR :
 OWNER : LUTHERAN OUTDOOR MINISTRIES
 PARCEL : 05-0614- - -9004- - -
 APPL NUMBER: 08-50019495 CP NEW CHURCHES & OTHER RELIGIOUS

SUBDIV:
 PHONE :
 PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
E265 02	6/13/08 <u>6-13-08</u>	TI <u>APBS</u>	C*ELEC FINAL TIME: 17:00 VRU #: 001625953

PERMIT: CPMC 00 CP MECHANICAL COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
M459 01	4/24/08	BS	C*MECH ROUGH IN VRU #: 001598374
	4/24/08	AP	
M465 01	6/10/08	BS	C*MECH FINAL TIME: 17:00 VRU #: 001622570
	6/10/08	AP	
M465 02	6/13/08 <u>6-13-08</u>	TI <u>CABS</u>	C*MECH FINAL TIME: 17:00 VRU #: 001625961

PERMIT: CPPC 00 CP PLUMBING COMMERCIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
P351 01	4/24/08	BS	C*PLUMB ROUGH IN TIME: 17:00 VRU #: 001598382
	4/24/08	DA	PRESSURE TEST FOR SPRINKLER SYSTEM NEEDS TO BE CHECKED AS WELL - THE GAGE PER CUSTOMER-WILL CONTACT BRAD. water service pipe (pvc) must stop 5 ft outside foundation wall
P351 02	4/28/08	BS	C*PLUMB ROUGH IN VRU #: 001599893
	6/09/08	AP	
P361 01	6/10/08	BS	C*PLUMB FINAL TIME: 17:00 VRU #: 001622588
	6/10/08	AP	
P361 02	6/13/08 <u>6-13-08</u>	TI <u>CABS</u>	C*PLUMB FINAL TIME: 17:00 VRU #: 001625979

COMMENTS AND NOTES

**COUNTY OF HARNETT
DEPARTMENT OF BUILDING INSPECTION
AND PLANNING/DEVELOPMENT
CERTIFICATE OF OCCUPANCY**

This certificate issued pursuant to the requirements of Section 105 of the North Carolina State Building Code and the Harnett County Zoning Ordinance certifies at the time of issuance this structure was in compliance with the various ordinances of the County of Harnett regulating development and building construction or use. For the following:

Use Classification: R-2 Conditional Use Permit No.: _____
Type of Construction: II Building Permit No.: _____
Owner of Building: Luthana Outdoor Ministries Electrical Permit No.: _____
Building Address: 1618 Tyler Drive W/L Insulation Permit No.: _____
Zoning District: _____ Plumbing Permit No.: _____
Zoning Permit No.: 1/A Mech. Permit No.: 085-19495
Date: 6-16-08 Envir. C.O. No.: _____
Brad Smith

Building Official

Zoning Official