



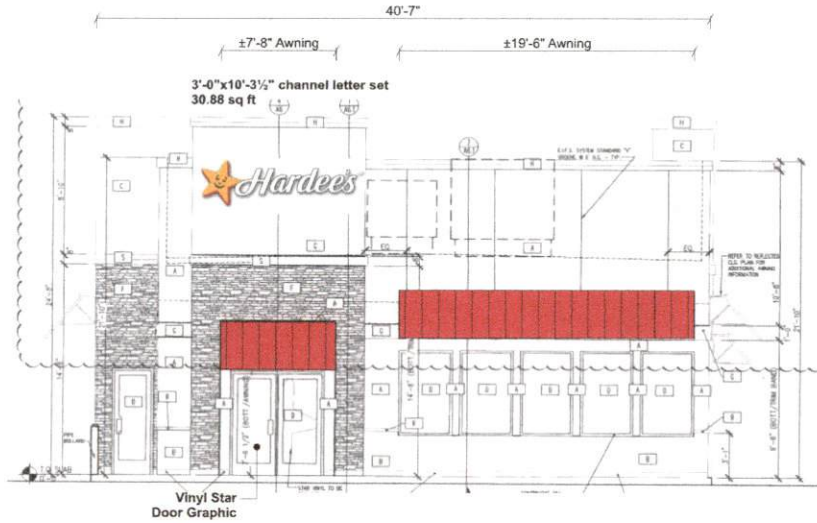
OP021027  
Hwy 87 & Buffalo Lake Rd.  
Cameron, NC 28326

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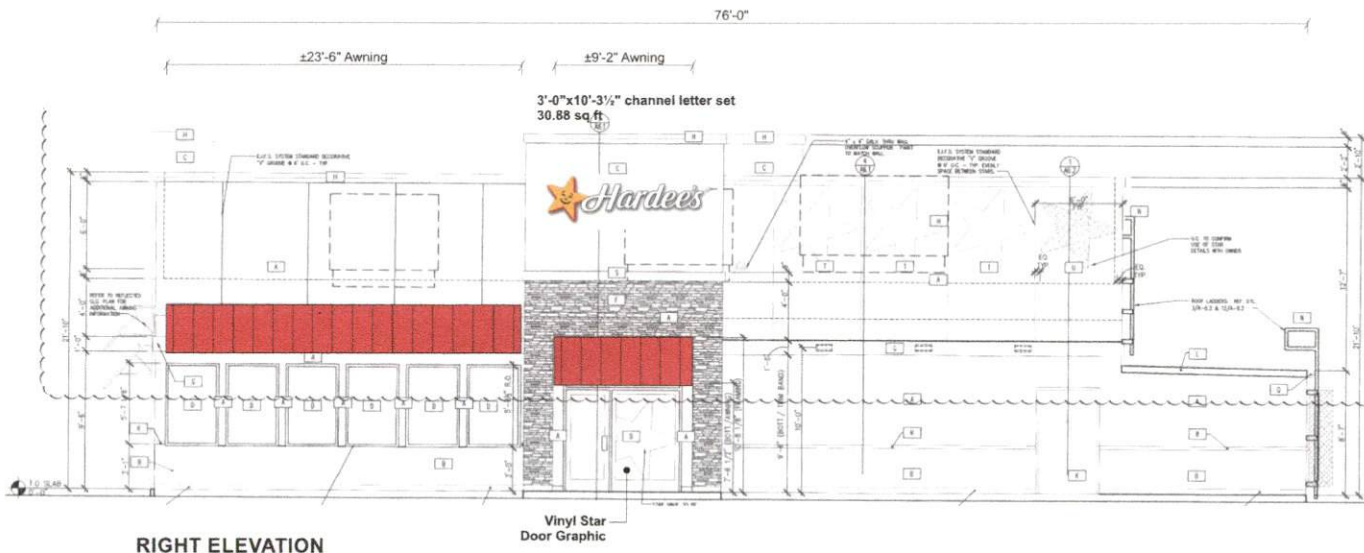
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YOUR BRAND AT ITS BEST™



# Elevations



**FRONT ELEVATION**  
Scale: 1/8" = 1'-0"



**RIGHT ELEVATION**  
Scale: 1/8" = 1'-0"



### Project Information

Client: **Hardee's**  
Location: **Hwy 87 & Buffalo Lake Rd. Cameron, NC 28326**  
File: **OP021027\_Cameron, NC\_300**  
Sales: **KW** Design: **BH** Project Manager: **CR**

### Date / Description

05/04/20 Issue Date  
07/01/20  
07/09/20  
07/16/20

### Notes

### Client Review Status

Allen Industries, Inc. requires that an "Approved" drawing be obtained from the client prior to any production release or production release revision.

Approved  Approved as Noted  Revise & Resubmit

Name \_\_\_\_\_ Date \_\_\_\_\_

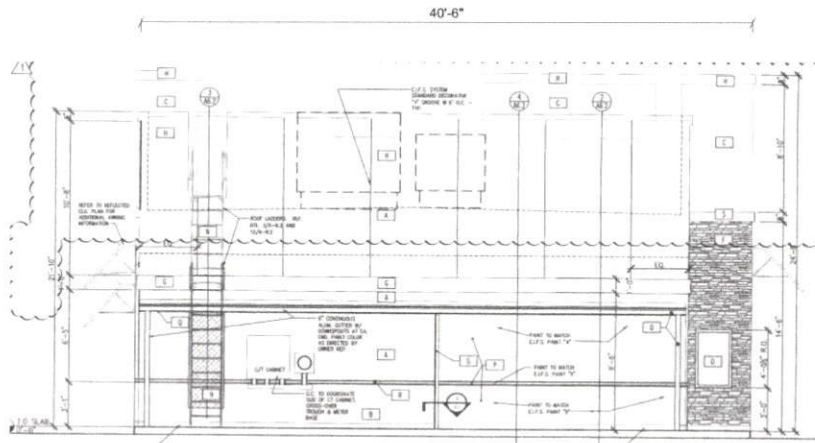
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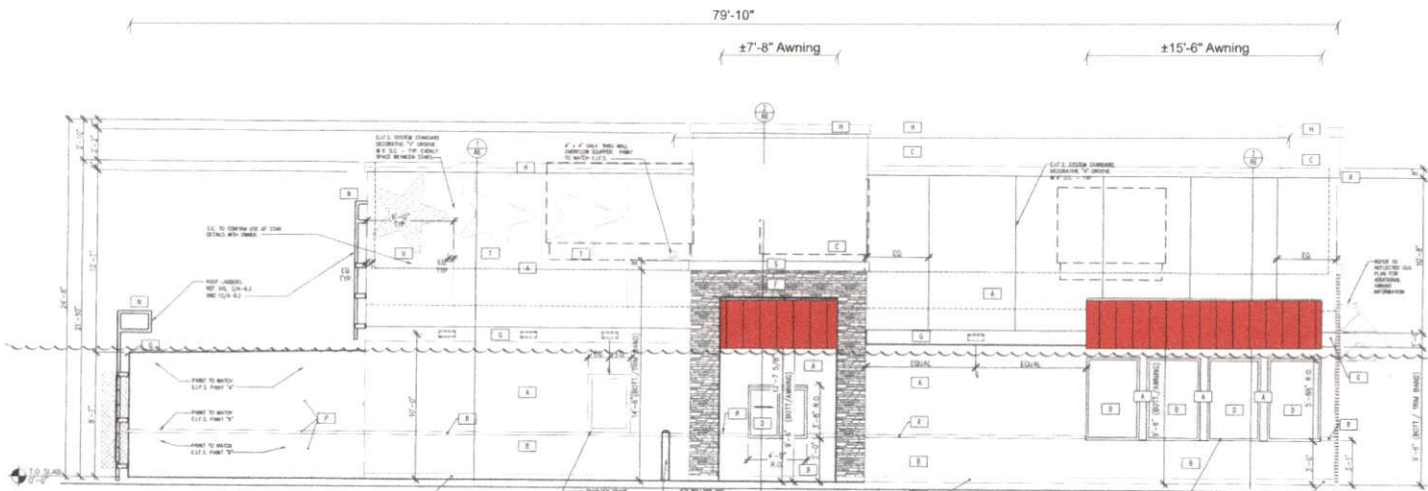


**1-800-967-2553**  
[www.allenindustries.com](http://www.allenindustries.com)

## Elevations



**REAR ELEVATION**  
Scale: 1/8" = 1'-0"



**LEFT ELEVATION**  
Scale: 1/8" = 1'-0"



### Project Information

Client  
**Hardee's**  
Location  
**Hwy 87 & Buffalo Lake Rd.  
Cameron, NC 28326**

File  
**OP021027\_Cameron, NC\_300**

Sales      Design      Project Manager  
**KW      BH      CR**

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## 36" Channel Letters Face/Halo Lit



**ELEVATION VIEW**  
Scale: 3/4"= 1'-0"



**END VIEW**

### Specifications:

#### Letters:

4"D, .063"aluminum returns - Black.  
.177" acrylic faces - 7328 White, 1" jewelite retainer to match returns.

#### Star:

4"D, .063"aluminum returns - Black.  
.177" acrylic faces - 7328 White with 1st surface translucent vinyl graphics, 1" jewelite retainer to match returns.

#### Illumination:

Facelit White LED, Red halo backlight; 1/2" projected mounting.

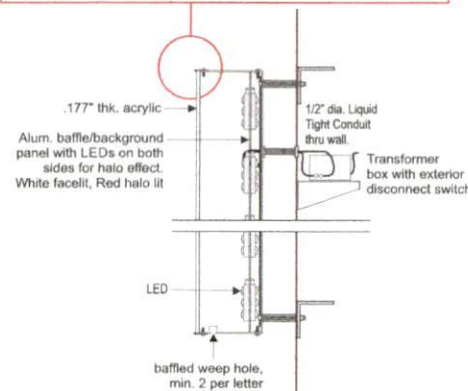
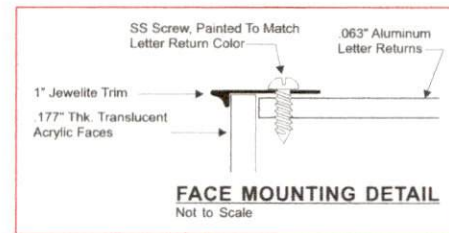
All components MET Approved

### GENERAL COLOR SPECIFICATION

- PMS Black C / 3M 3630-22
- PMS 123C Yellow / 3M 3630-125
- PMS 186C Red / 3M 3630-73

#### Other:

- Matthews Satin Black for the returns & Jewelite Trim to match
- White - #7328 acrylic



**SIDE VIEW DETAIL**  
LED Face & Halo Illumination



### Project Information

Client: **Hardee's**  
Location: **Hwy 87 & Buffalo Lake Rd. Cameron, NC 28326**  
File: **OP021027\_Cameron, NC\_300**  
Sales: **KW** Design: **BH** Project Manager: **CR**

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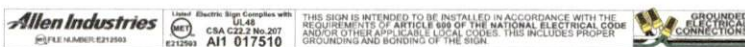
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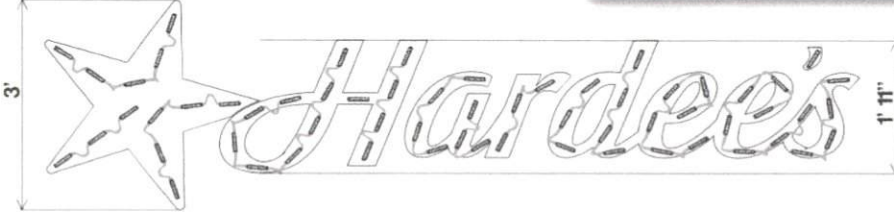


THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 609 OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN.

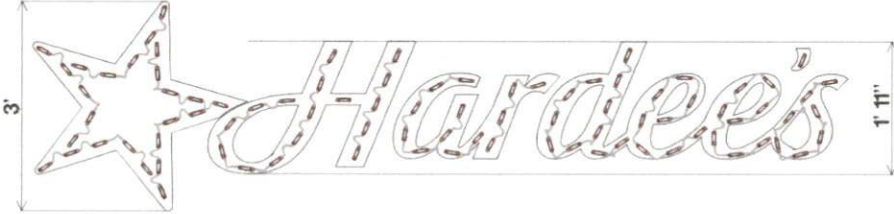
### 36" Channel Letters Face/Halo Lit







3' x 1' 11"



3' x 1' 11"

Material Breakdown			
FACE/LIT			
GEMX2471-W1	Modules	24V P/S	
LOGO	13		
H	13		
AR	10	P/S 1	
DEES	24		
APOS	1		

HALO/LIT, 1" DEEP			
GEMM24RD-W1	Modules	24V P/S	
LOGO	25		
H	16		
AR	13	P/S 1	
DEES	34		
APIS	1		

Can Depth	LED Loc. From Face	illumination	Power Supply Location	Primary Circuit (120 VAC)	Total Module Watts	Total System Watts	Sign Area	Energy Usage
4"	3"	FACE & HALO LIT	REMOTE	1.1 Amps	66.32 Watts	80.90 Watts	18.50 Sq Ft	4.35 Watts/Sq Ft

Sign Information		Special Instructions		SKU	Description	Quantity
		ESTIMATE FOR SINGLE FACED SIGN		93053670	GEMX2471-W1	61 Mod 41 Ft
		24V MAX (6.0" OC); TO BE INSTALLED @ 6.0" OC		92069932	GEMM24RD-W1	89 Mod 59 Ft
		24V MIN/MAX (6.0" OC); TO BE INSTALLED @ 4.8" OC			GEP24-100U-NA	1 Ea
					GEP24-25U-NA	0 Ea
				191600041 or 192160004	Wire Connector	24 Ea
				9459	16 AWG Supply Wire	70 Ft
				191600041	Wire End Caps	20 Ea

1) THE GRAPHICS ABOVE ARE FOR REFERENCE ONLY, and should not be used for commercial quotation or bid without validation. The material estimates for Tetra® LED Systems are based upon our engineering standards and information provided pertaining to font, letter height, can depth, face material, and any special instructions provided by the customer. Missing information will cause delays in delivery of estimates as well as affect product selection, quantities, application, and illumination.


2) LED MODULE PLACEMENT AND QUANTITY IS AN APPROXIMATION ONLY. The sign manufacturer must verify module placement and quantity to ensure even illumination.

3) Final material quantities for estimation purposes and construction are the responsibility of the sign OEM.

4) All signs should be tested as complete units (including correct Tetra® power supply) before installation for acceptable color, illumination, intensity, & functionality.

5) For detailed information and instructions refer to the applicable Tetra® product found under Signage: <https://products.currentbyge.com/>

**TECHNICAL SUPPORT:**  
888-694-3533 / 216-266-2419  
EMAIL: [tetra@currentbyge.com](mailto:tetra@currentbyge.com)



powered by GE

Drawn By: PU  
Checked By: PU  
Date: 9/17/18

Job Name: Hardees  
Customer Name:

Drwg #: 077756 01 Rev

PAGE 1 OF 1

#### Project Information

Client: Hardee's  
 Location: Hwy 87 & Buffalo Lake Rd. Cameron, NC 28326  
 File: OP021027\_Cameron, NC\_300  
 Sales: KW Design: BH Project Manager: CR

#### Date / Description

05/04/20 Issue Date  
 07/01/20  
 07/09/20  
 07/16/20

#### Notes

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Approved  Approved as Noted  Revise & Resubmit

Name: \_\_\_\_\_ Date: \_\_\_\_\_

#### Declaration

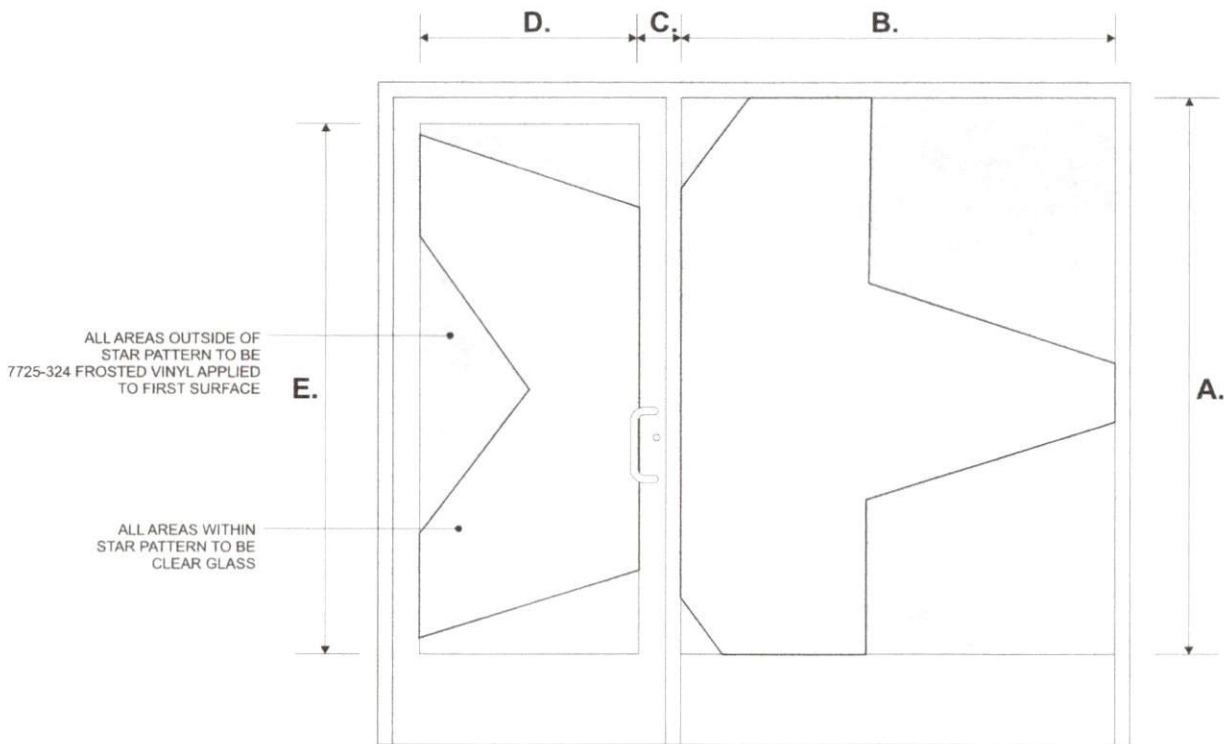
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Vinyl Star Door Graphic



**2 REQUIRED**



**VINYL LAYOUT FOR SINGLE DOOR w/ WINDOW**

N.T.S.

**NOT FOR PRODUCTION USE.**  
BASIC TEMPLATE TO BE SCALED TO  
CORRESPONDING SURVEY DIMENSIONS.

**NOTE:** All measurements to be  
field verified prior to production

**Project Information**

Client  
**Hardee's**

Location  
**Hwy 87 & Buffalo Lake Rd.  
Cameron, NC 28326**

File  
**OP021027\_Cameron, NC\_300**

Sales      Design      Project Manager  
**KW      BH      CR**

**Date / Description**

Date	Description
05/04/20	Issue Date
07/01/20	Δ-
07/09/20	Δ-
07/16/20	Δ-

**Notes**

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Title \_\_\_\_\_ Date \_\_\_\_\_

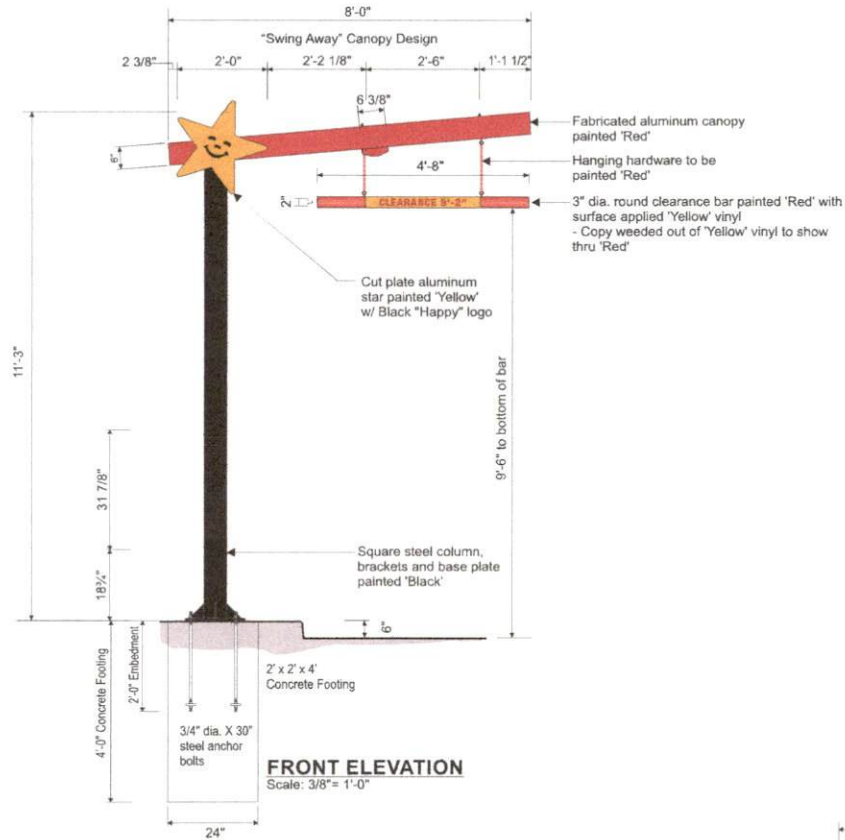
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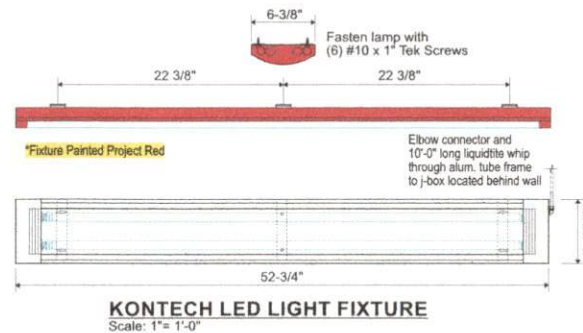
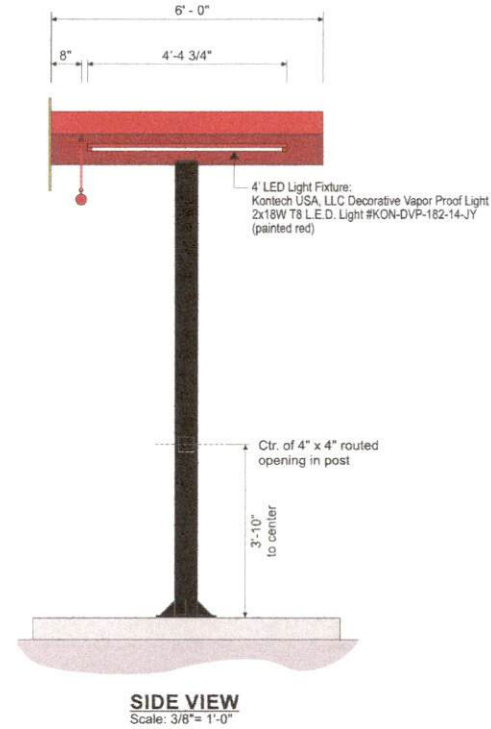
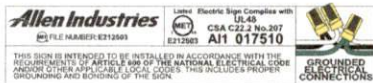


## Custom HAR-OC-FR Order Canopy, Flat Roof



### GENERAL COLOR SPECIFICATION

- PMS 433C Black / 3M 3630-22 / AKZ CKE-DkGrey-082017
- Hardee's Red / AKZ 20647 / 3M 3630-73
- PMS 123C Yellow / 3M 3630-125 / AKZ CKE-Yellow-082017



### Project Information

Client  
**Hardee's**  
Location  
**Hwy 87 & Buffalo Lake Rd.  
Cameron, NC 28326**  
File  
**OP021027\_Cameron, NC\_300**  
Sales Design Project Manager  
**KW BH CR**

### Date / Description

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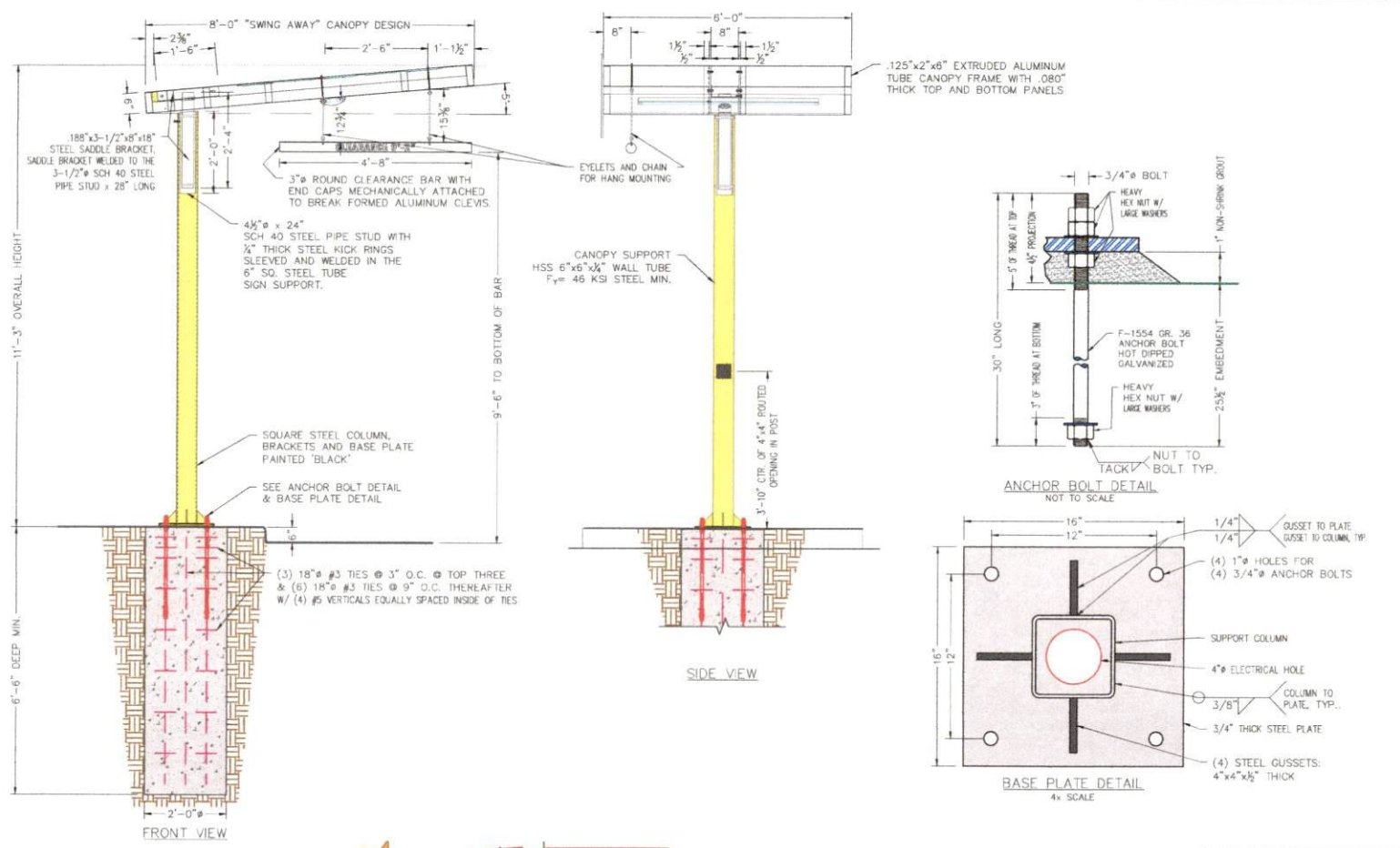
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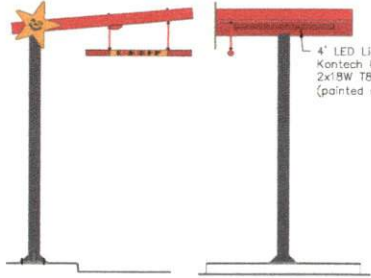




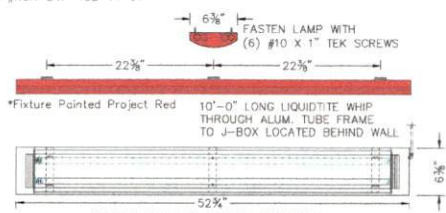
- GENERAL NOTES:**
- All design, detailing, fabricating and construction shall conform to the following codes and specifications:
    - The 2018 North Carolina Building Code.
    - The 2015 International Building Code.
    - American Society of Testing and Materials (ASTM) specifications.
    - Building Code Requirements for Reinforced Concrete (ACI 318-11/Current Edition).
    - Code for Welding in Building Construction of the American Welding Society.
    - Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings by the American Institute of Steel Construction (AISC) (Current Edition).
    - Aluminum Association Aluminum Design Manual (2010 Edition).
  - Concrete shall be  $f'_c=4,000$  P.S.I. (min.) @ 28 days Compressive Strength, STD WT (150 P.C.F.)
  - Reinforcing Steel shall be ASTM A-615 Grade 60.
    - All reinforcing steel shall be free from mud, oil, rust or coatings that would reduce or destroy bond.
    - All reinforcing bars shall lap 50 diameters minimum, except as noted.
    - Minimum concrete cover on top, slabs and main bars shall be 3/4 inch for slab, wall and surfaces are exposed to weather or in contact with ground; 3 inches for unreinforced surfaces deposited against the ground except as noted.
  - Structural Material Specifications:
    - Aluminum shapes shall be extruded from 6061-T6 alloy. Welding filler alloy shall be 5183, 5356, 5556 or approved alternative.
    - Structural Steel and Plates shall be ASTM A-36 ( $F_y=36$  ksi).
    - W-Shape beams shall be ASTM A-992 ( $F_y=50$  ksi) Minimum.
    - Structural tubing shall be ASTM A-500, Grade B, (P, Y, 46 ksi).
    - Structural piping shall be ASTM A-53, Grade B, Type E or S, ( $F_y=35$  ksi), ASTM A572 Grade 42 ( $F_y=42$  ksi) or ASTM A572 Grade 50 ( $F_y=50$  ksi), (see drawing for individual member specifications).
  - Anchor Bolts shall be F-1554 Grade 36 Rod, unless otherwise noted.
  - High strength bolts for connections shall be ASTM A-325, unless otherwise noted.
  - Welding electrodes shall comply with AWS D1.1-Current Edition, E70XX, (E70 welding to be done by welder certified for specified weld type.)
  - Roof Live Load = 20 PSF
  - Ground Snow Load = 10 PSF.
  - Design Wind Speed,  $V_{50}$  = 110 MPH (ASCE 7-10) Equivalent Wind Load,  $P_{e,10}$  = 25.3 PSF @ 115.3' above the ground (3 Sec Wind Gusts) Exposure = C Risk Category I  $I_p=1.0$   $G=0.85$
  - Soil Bearing Capacity Requirements:
    - Minimum Allowable Vertical Bearing Capacity shall be 2.5 P.S.F.
    - Minimum Allowable Lateral Bearing Capacity shall be  $(150 \frac{lb}{ft^2} + 2 \times 300 \text{ P.S.F. per foot of depth. (Times two increase per IBC Section 1806.3.6)$
  - Contractor shall verify all dimensions and conditions in the field before erection and notify the Engineer of any discrepancies.

Location: Hardee's, Hwy 87 & Buffalo Lake Rd., Cameron, NC 28526  
 CLIENT: PO# 200380-00  
**Allen Industries Inc.**  
 Address: 8534 Barnhart Road, Charlotte, NC 28217  
 Phone: (888) 284-2007  
 www.allenindustries.com

Hardee's Drive-Thru Order Canopy @ 11:30 A.M.  
 DRAWN BY: D.P. Ward  
 DATE: May 22, 2020  
 PROJECT#: 107920  
 DWG#: EB-9947  
 SCALE: 3/8" = 1'-0"



GRAPHIC DETAIL  
1/2x SCALE



KONTECH LED LIGHT FIXTURE  
1/2x SCALE

**LISTED**  
 Electric Sign Complies with  
 UL48  
 CSA C22.2 No.207  
 A11 017510  
 E212503

THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 800 OF THE NATIONAL ELECTRICAL CODE & OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING & BONDING OF THE SIGN.

**GROUNDING ELECTRICAL CONNECTIONS**

**Allen Industries**  
 FILE NUMBER: E212503

NOTICE: T.E.S. is responsible for voltage, line plate, meter box & foundation design only signs and all sign line attachments are the responsibility of the sign manufacturer. This warning is for general information purposes only and is for the use of T.E.S. and its customers. (Unauthorized use is strictly prohibited.)

**Seal:**  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL  
 13529  
 7/22/20  
 CARL E. THOMPSON, JR.  
 ENGINEER

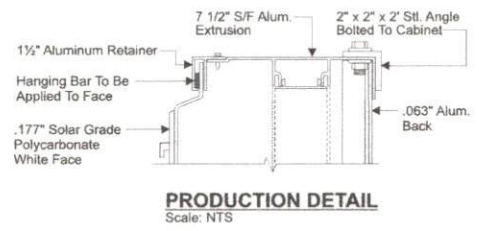
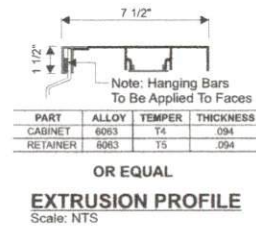
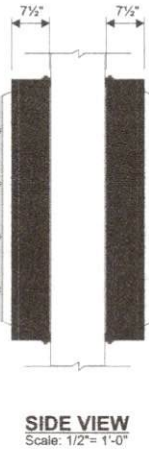
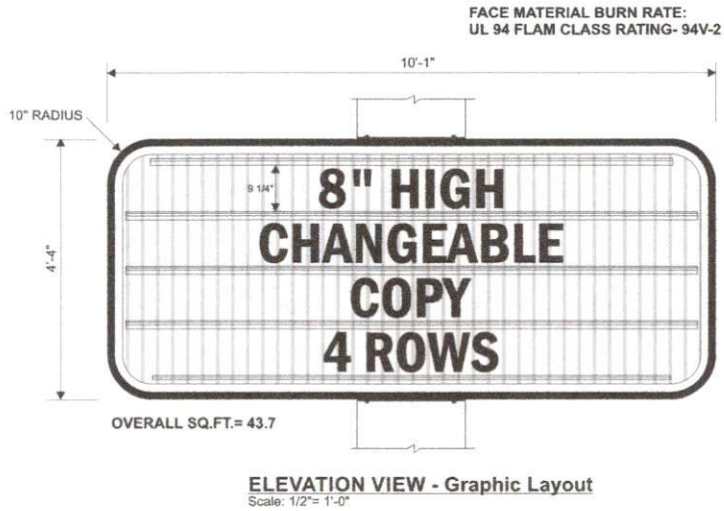
This item has been electronically signed and sealed by Carl E. Thompson, Jr., P.E. using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Layout & Details

**T.E.S.** THOMPSON ENGINEERING SERVICES, LLC  
 P.O. BOX 1500, ENGLEWOOD, TN 37329  
 PHONE: (423)781-7336 FAX: (423)781-7337



**4'-4" x 10'-1" Readerboard**  
LED Illuminated



**GENERAL SPECIFICATIONS:**

Single face sign cabinets to be manufactured from aluminum 7 1/2" deep extrusion with extruded aluminum retainer system.

Faces to be pan formed .177" solar grade, white polycarbonate with embossed planking and clear plastic track applied to accommodate (4) rows of 8" high, black, flat 'zip change' changeable copy on 10" card.

Internal illumination provided by white LED. Signs are equipped with disconnect switch and will bear MET Label.

Signs to be installed back to back on support with 2"x 2"x 2' long steel angle (top & bottom) bolted to cabinet and welded to steel support.

**PLASTIC / PAINTED**

- AKZ BLACK
- AKZ SIGN 391227 WHITE

**METAL / PAINTED**

- AKZ B15 BLACK
- AKZ B10 WHITE



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**Project Information**

Client  
**Hardee's**

Location  
Hwy 87 & Buffalo Lake Rd.  
Cameron, NC 28326

File  
OP021027\_Cameron, NC\_300

Sales Design Project Manager  
KW BH CR

**Date / Description**

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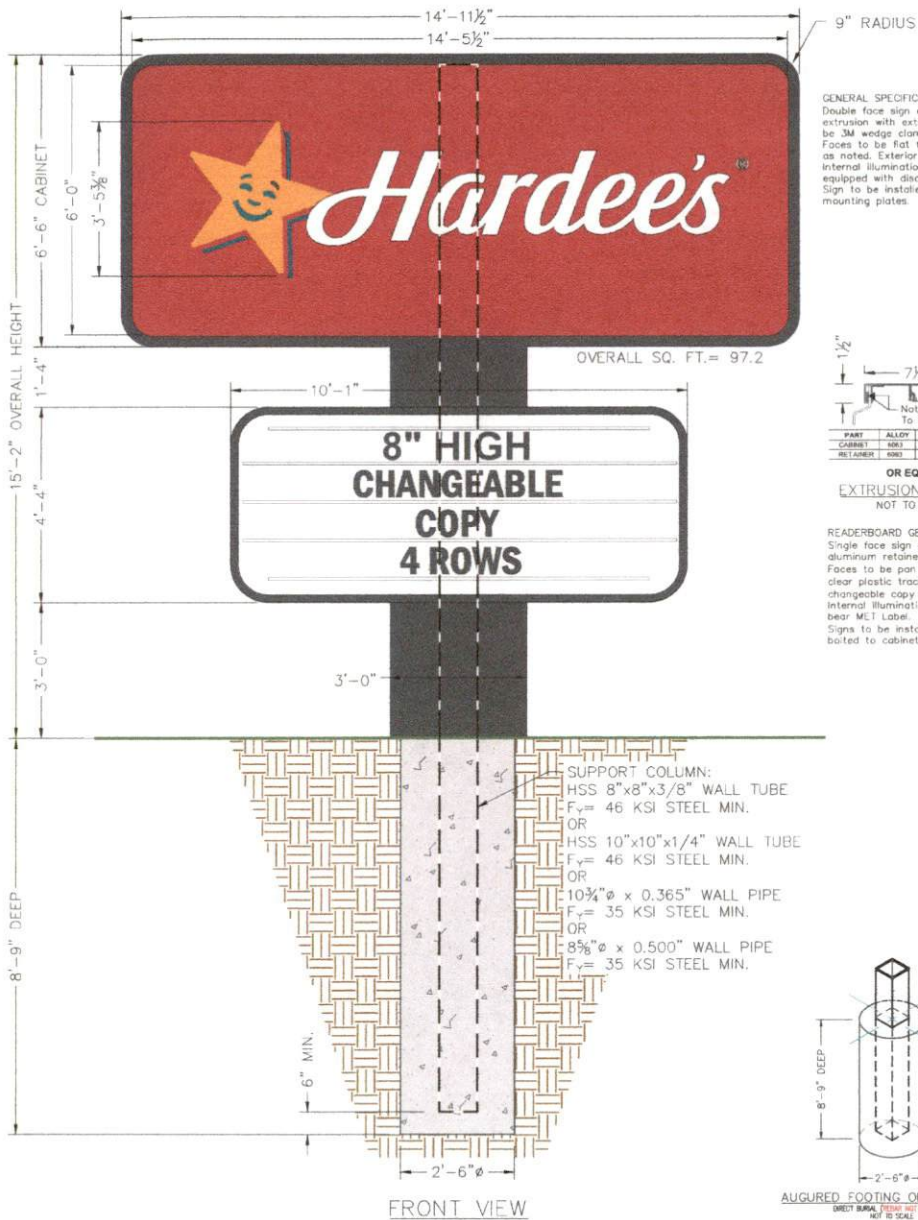
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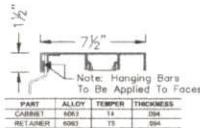
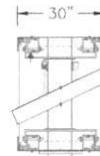


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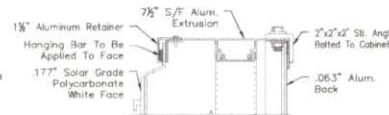




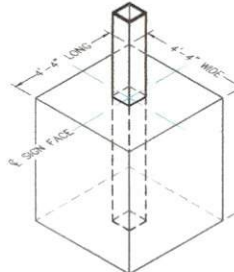
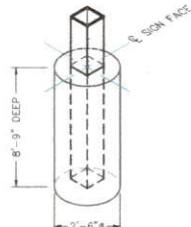
**GENERAL SPECIFICATIONS:**  
Double face sign cabinet to be manufactured from aluminum 30" deep extrusion with extruded aluminum retainer system. Tensioning system to be 3/4" wedge clamp or equal.  
Faces to be flat flexible faces with graphics applied to first surface in colors as noted. Exterior of faces to receive Gasakote FX laminate coating. Internal illumination provided by led and required power supplies. Sign equipped with disconnect switch and will bear MET label.  
Sign to be installed on new or existing support with matched steel mounting plates.



OR EQUAL  
EXTRUSION PROFILE  
NOT TO SCALE



**READERBOARD GENERAL SPECIFICATIONS:**  
Single face sign cabinets to be manufactured from aluminum 7 1/2" deep extrusion with extruded aluminum retainer system.  
Faces to be pan formed 177" solar grade, white polycarbonate with embossed plinking and clear plastic track applied to accommodate (4) four rows of 8" high, black, flat 'zip change' changeable copy on 10" card.  
Internal illumination provided by white LED. Signs are equipped with disconnect switch and will bear MET Label.  
Signs to be installed back to back on support with 2" x 2" x 2" long steel angle (top & bottom) bolted to cabinet and welded to steel support.



**GENERAL NOTES:**

- All design, detailing, fabricating and construction shall conform to the following codes and specifications:  
a. The 2018 North Carolina Building Code.  
b. The 2015 International Building Code.  
c. American Society of Testing and Materials (ASTM) specifications.  
d. Building Code Requirements for Reinforced Concrete (ACI 318 - Current Edition).  
e. Code for Welding in Building Construction of the American Welding Society.  
f. Specifications for Design, Fabrication and Installation of Structural Steel for Buildings by The American Institute of Steel Construction (AISC) Current Edition.  
g. Aluminum Association Aluminum Design Manual (2010 Edition).
- Concrete shall be f'<sub>c</sub> = 2,500 P.S.I. (min.) @ 28 days Compressive Strength, STD WT (150 P.C.F.)
- Reinforcing Steel shall be ASTM A-615 Grade 60, (if required)  
a. All reinforcing steel shall be free from mud, oil, rust or coatings that would reduce or destroy bond.  
b. All reinforcing bars shall be 36 diameter minimum, except as noted.  
c. Minimum concrete cover on top, strips and main bars shall be 1-4 inch for slab, wall and surfaces not exposed to weather or in contact with ground, 3 inches for unreinforced surfaces deposited against the ground except as noted.
- Structural Material Specifications:  
a. Aluminum shapes shall be extruded from 6061-T6 alloy. Welding filler alloys shall be 5183, 5356, 5556 or approved alternative.  
b. Structural Steel and Plates shall be ASTM A-36 (F<sub>y</sub> = 36 ksi)  
c. W-Shape beams shall be ASTM A-992 (F<sub>y</sub> = 50 ksi) Minimum  
d. Structural tubing shall be ASTM A-500, Grade B, (F<sub>y</sub> = 46 ksi)  
e. Structural piping shall be ASTM A-53, Grade B, Type F or S, (F<sub>y</sub> = 35 ksi), ASTM A572 Grade 42 (F<sub>y</sub> = 42 ksi) or ASTM A572 Grade 50 (F<sub>y</sub> = 50 ksi), (see drawing for individual member specifications).
- High strength bolts for connections shall be ASTM A-325, unless otherwise noted.
- Welding electrodes shall comply with AWS D1.4 Current Edition, E70XX. (All welding to be done by welder certified for specified weld type.)
- Design Wind Speed, V<sub>100</sub> = 110 MPH (ASCE 7-10) Equivalent Wind Load, F<sub>w</sub> = 32.1 PSF @ 15'-0" above the ground (3 Sec. Wind Gusts). Exposure "C" Risk Category I A<sub>w</sub> = 1.0 G = 0.85
- Soil Bearing Capacity Requirements:  
a. Minimum Allowable Vertical Bearing Capacity shall be 2.5 A P.S.F.  
b. Minimum Allowable Lateral Bearing Capacity shall be (1.50 P<sub>v</sub> \* 2) = 100 P.S.F. per foot of depth. (Times two increase per IRC Section 1806.3.4).
- Contractor shall verify all dimensions and conditions in the field before erection and notify the Engineer of any discrepancies.

CLIENT PO: 200389-00  
**Allen Industries Inc.**  
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Phone: (888) 294-2007  
www.allenindustries.com

Location: Hardee's, Hwy 87 & Buffalo Lake Rd., Cameron, NC 28326

D.P. Ward  
DATE: July 22, 2020  
PROJECT#: 108020  
DWG#: EB-0948  
SCALE: 3/8" = 1'-0"

Hardee's | Pylon Sign 6'-6" x 14'-11.5" @ 15'-2" O.A.H. w/ Reader Board

Layout & Details

**C MET LISTED**

**ELECTRIC SIGN**

THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING & BONDING OF THE SIGN.

**GROUNDING ELECTRICAL CONNECTIONS**

**Allen Industries**  
FILE NUMBER: E212503

NOTICE: I, E.S., am responsible for column support & foundation design only. Signs and all sign area elements are the responsibility of the sign manufacturer. This drawing is an approved procurement proposal only and is for the use of an E.S. and its engineer. (Unauthorized use is strictly prohibited.)

Seal of **Curt E. Thompson, Jr.**, Professional Engineer, State of North Carolina, License No. 13529, dated 7/22/2020.

THIS SIGN HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY **Curt E. Thompson, Jr., P.E.**, USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED UNLESS THE SIGNATURE IS VERIFIED ON AN ELECTRONIC COPY.

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**TES**