

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	<u>1</u>	DATED	<u>6/16/2021</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	<u>2</u>	DATED	<u>6/17/2021</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number	Description
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- 1 Revised Bid Items; Amendment EBSx Download Required.
- 2 Revised NTB No. 3415; Amendment EBSx Download Required.

TOTAL ADDENDA: 2
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____ President	_____ Address
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_____ Secretary	_____ Address
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_____ Treasurer	_____ Address
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The following is my (our) itemized proposal.

SP-0003-01(205)/ 108675301000 & SP-0003-01(205)/ 108675302000

Harrison & Jackson County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3415

CODE: (SP)

DATE: 05/13/2021

SUBJECT: Scope of Work

PROJECT: SP-0003-01(205) / 108675301 & 302 -- Harrison and Jackson Counties

The contract documents do not include an official set of construction plans, but may, by reference, include some Standard Drawings when so specified in a Notice to Bidders entitled, "Standard Drawings".

Work on the project shall consist of the following.

REPLACE EXISTING LIGHTING LUMINAIRES AND REPAIR LIGHTING SYSTEM ALONG US 90 BILOXI BAY BRIDGE

General Notes

1. It shall be the responsibility of the Contractor to protect the roadway and all existing structures, such as bridges, culverts, signs, and curb, from damage occurring as a result of the Contractor's operations. Damages to existing structures caused by the Contractor's operations shall be repaired or replaced at no cost to the Department.
2. The Contractor shall erect and maintain construction signing, provide all signs and traffic handling devices, and provide two (2) portable R16-3 signs per work zone or lane closure in addition to signs required by standard drawings in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Fluorescent orange sheeting shall be used on all construction and traffic control signs except for those designated to be black legend and border on white background. All plastic drums shall have a ballasting collar made from recycled truck tires or other suitable material. The cost for this work is to be included in the price bid for pay item 618-A: Maintenance of Traffic.
3. Incidental work such as project clean-up and other incidental work necessary to complete the project will not be measured for separate payment, but will be included in other bid items. This work shall be performed during the operating hours for this project.
4. All work requiring a lane closure shall be restricted to Sunday through Thursday nights between the hours of 7:00 PM and 5:00 AM. Changes or variances from these restrictions shall be submitted to the Project Engineer for review and written approval. A lane rental fee of \$1,500.00 per full or partial 5-minute period shall be assessed for closures or obstructions that extend beyond the times mentioned above. No exposed signs shall be viewable to the traveling public prior to or after the above-mentioned times. No part of a closure, including drums or cones, shall be in the roadway prior to or after the above-mentioned times. Work requiring a shoulder or lane closure shall begin within one (1) hour of the completion of the closure setup. Lane closures will be allowed only at times when work requiring a lane closure

is underway. Failure to begin working within this 1-hour period and/or failure to remove the lane closure upon completion of work will result in the Contractor being assessed a lane rental fee of \$1,500.00 for each full or partial 5-minute period beyond the allowable times.

5. Whenever the Contractor's operations are being conducted at night, the Contractor shall provide artificial lighting as may be necessary to provide for safe and proper construction and inspection of the work in accordance with Section 680 of the Standard Specifications. Night work shall not begin until a lighting plan submitted by the Contractor meeting the requirements of the specification has been approved. Portable construction lighting will not be measured for separate payment, but will be included in other bid items.

Replace Existing Under-Bridge Necklace Lighting Luminaires

1. The existing necklace lighting luminaires shall be removed. The existing necklace lighting luminaires will become the property of the Contractor.
2. The existing necklace lighting luminaires shall be replaced. The luminaires shall be Horner Hazardous Low Bay (HLB) Series ETG-HLB C1D2-WL850-65W-B. The luminaires shall be mounted using Horner Lighting Group Special Mounting Plate ETG-MP-HLB-N per the attached drawing. Luminaires shall include Dome and Wire Guard ETG-HLB-DOME. Payment will be made under pay item 907-683-I1: Renovation of Underpass Lighting Assembly, Type A, per each (734 each), and shall include all labor, equipment, and materials necessary for a fully-functioning light fixture upon completion of the work.
3. Locations and details for the existing necklace lighting luminaires to be replaced can be found on Sheets 85 thru 96 of the attached as-built plans.

Replace Existing Pier Accent Flood Lighting Luminaires

1. The existing pier accent flood lighting luminaires shall be removed. The existing pier accent flood lighting luminaires will become the property of the Contractor.
2. The existing pier accent flood lighting luminaires shall be replaced. The luminaires shall be Horner Hazardous Low Bay (HLB) Series ETG-HLB C1D2-WL850-65W-B1. The luminaires shall be mounted using Horner Lighting Group Special Mounting Plate ETG-MP-HLB-AF. Payment will be made under pay item 907-683-I1: Renovation of Underpass Lighting Assembly, Type A, per each (132 each), and shall include all labor, equipment, and materials necessary for a fully-functioning light fixture upon completion of the work.
3. Locations and details for the existing pier accent flood lighting luminaires to be replaced can be found on Sheet 98 of the attached as-built plans.

Replace Existing Column Accent Lighting Luminaires

1. The existing column accent lighting luminaires shall be removed. The existing column accent lighting luminaires will become the property of the Contractor.
2. The existing column accent lighting luminaires shall be replaced. The luminaires shall be Horner Hazardous Low Bay (HLB) Series ETG-HLB C1D2-WL850-65W-B1. The luminaires shall be mounted using Horner Lighting Group Special Mounting Plate ETG-MP-HLB1-CA

per the attached drawing. Payment will be made under pay item 907-683-I1: Renovation of Underpass Lighting Assembly, Type A, per each (72 each), and shall include all labor, equipment, and materials necessary for a fully-functioning light fixture upon completion of the work.

3. Locations and details for the existing column accent lighting luminaires to be replaced can be found on Sheet 97 of the attached as-built plans.

Replace Existing Low-Mast Lighting Luminaires

1. The existing low-mast roadway lighting luminaires shall be removed. The existing low-mast roadway lighting luminaires will become the property of the Contractor. The existing low-mast poles and arms are to remain and be used with the replacement luminaires.
2. The existing low-mast lighting luminaires shall be replaced. The luminaires shall be either KIM BE21-LED-KIT 5 120L 4K 277 or Domus DMS50-180W80LED4K-T. If the Domus luminaire is selected, the Contractor shall, prior to bidding, verify that the manufacturer has successfully modified the luminaire adapter to be compatible with the existing KIM HA14L arms. Payment will be made under pay item 907-683-H1: Renovation of Low Mast Lighting Assembly, Type A, per each (88 each), and shall include all labor, equipment, and materials necessary for a fully-functioning light fixture upon completion of the work.
3. The Contractor shall include up to four (4) KIM HA14L replacement arms when bidding in order to account for any damaged or missing arms. The cost of which shall be considered absorbed in other items bid.
4. Locations and details for the existing low-mast lighting luminaires to be replaced can be found on Sheets 79 thru 84A of the attached as-build plans.

Replace Existing Lighting Control Panels

1. The existing lighting control panels shall be removed. Payment will be made under pay item 202-B: Removal of Lighting Controller, per each (4 each). The existing lighting controllers will become the property of the Contractor. Existing foundations may be reused if salvageable.
2. The existing lighting control panels shall be replaced in accordance with the details provided on Sheets 100 thru 100.04 of the attached as-built plans, with the exception of photoelectric controls. GPS time clocks shall be installed in lieu of photoelectric controls. Payment will be made under pay item 682-F: Secondary Power Controller, per each (4 each), and shall include all labor, equipment, and materials necessary for a fully-functioning lighting system.



HAZARDOUS LOCATION LOW BAY

Engineered, tested, and certified to withstand the most extreme application environments, the Horner Circular Hazardous Location Low Bay Series is efficient, powerful, and durable. The Circular Hazardous Location Low Bay (HLB) Series is built to resist corrosion, extreme vibration, dust, dirt, moisture, wind, snow, water, and high ambient temperatures. The HLB is Certified for locations where flammable vapors, combustible dusts, and gases (as outlined by NEC standards) may be present. The HLB's aluminum alloy housing is copper-free and corrosion-resistant, saving you maintenance time and money.

LONG LIFETIME

- Premium, top-tier LEDs
- 5 year warranty backed by U.S. company founded in 1949
- 150,000+ hr lifetime
- Quality driver with integrated 4 kV surge
- -40°C to 50°C ambient temperature ensures long lifetime in a variety of conditions
- Superior LED thermal management ensures long lifetime

BRIGHT SAVINGS

- Reduce downtime and minimize maintenance costs
- Potential for rebate savings through DLC certifications (refer to DLC QPL at www.designlights.org)
- 150 Lumens/watt

FULL CIRCLE DESIGN

- Output of 9,750 lumens
- Engineered with quality, space-age materials
- Variety of options for surface, conduit, and bracket mounting
- IP66 Dust and Water protection UL wet-rated
- Extensive certifications: UL844 for Hazardous Area; Class I Division 2, Group A, B, C, D; Class II Division 1, Group E, F, G; Class II Division 2, Group F, G; Class III Division 1; UL1598A Marine Outside Type (Salt Water); DLC 4.0 Premium
- Atmospheric pressure: 12.5 - 15.4 psi

ILLUMINATING RESULTS

- 80 CRI standard enhances color and clarity
- 110° beam angle standard
- Typical mounting heights of 8' - 12'

POSSIBLE APPLICATIONS

- | | | |
|----------------------|--------------------------|------------------------------|
| ■ Industrial storage | ■ Oil and gas refineries | ■ Chem. processing centers |
| ■ Wastewater | ■ Paper/textile mills | ■ Loading docs/shipyards |
| ■ Mining sites | ■ Foundries | ■ Grain mills/ag. facilities |

MODEL/SKU	WEIGHT	DIMENSIONS	CRI	CCT	LUMENS	WATTS	Lm/W	L70
Class I Div. 2 (HLB), Groups A, B, C, D; Class II Div. 1, Groups E, F, G; Class II Div. 2, Groups F, G; Class III Div. 1								
ETG-HLB-C1D2-WL850-65W-B1 NJZ-FEL-D-65-U*	11 lbs.	10.3" diam x 6.1" h	70	5000K	9,750	65	150	>150,000 hrs
ETG-HLB-C1D2-WL850-65W-B NJZ-FEL-D-65-T*								

*DLC qualified
** Requires a mount below

COMPARE TO

Existing Fixture	Hazardous Location Replacement
250W HPS/MH	65 (max energy savings*)

*replaces a depreciated light source with similar performance while maximizing energy savings
**based on 12 hour daily usage, \$0.10 per kwh per year

YOUR PART NUMBER

CRI/CCT wattage mount power

ETG-HLB-C1D2-WL - W- B - P

850 (80 CRI, 5000K) 65 (65W) B1 (standard) B (option) P1 (standard 120-277VAC) P2 (option 347-480VAC)

HLB MOUNTING OPTIONS:



3/4" Conduit with Bracket - Standard
ETG-HLB-C1D2-WL850-65W-B1



Mount B
ETG-HLB-C1D2-WL850-65W-B
(needed for all non-standard mount options)



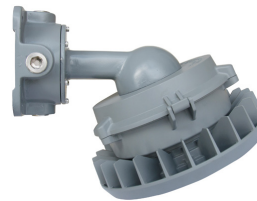
Ceiling
ETG-HLB-C1D2-WL850-65W-B
with ETG-BKT-HLB-B30



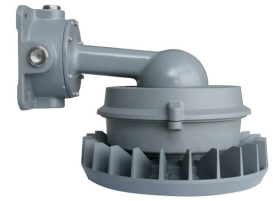
1 1/4" Stanchion 25°
ETG-HLB-C1D2-WL850-65W-B
with ETG-BKT-HLB-B32



1 1/4" Stanchion 90°
ETG-HLB-C1D2-WL850-65W-B
with ETG-BKT-HLB-B33



Wall 25°
ETG-HLB-C1D2-WL850-65W-B
with ETG-BKT-HLB-B34



Wall 90°
ETG-HLB-C1D2-WL850-65W-B
with ETG-BKT-HLB-B35



Dome and Wire Guard
ETG-HLB-DOME
Option includes Lens and Wire Guard



25° Glare Shield
ETG-HLB-SHD*
*minimum order is required



HAZARDOUS LOCATION LOW BAY

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LONG LIFETIME

- Premium, top-tier LEDs
- 5 year warranty backed by U.S. company founded in 1949
- 150,000+ hr lifetime
- Quality driver with integrated 4 kV surge
- -40°C to 50°C ambient temperature ensures long lifetime in a variety of conditions
- Superior LED thermal management ensures long lifetime

BRIGHT SAVINGS

- Reduce downtime and minimize maintenance costs
- Potential for rebate savings through DLC certifications (refer to DLC QPL at www.designlights.org)
- 150 Lumens/watt

FULL CIRCLE DESIGN

- Output of 9,750 lumens
- Engineered with quality, space-age materials
- Variety of options for surface, conduit, and bracket mounting
- IP66 Dust and Water protection UL wet-rated
- Extensive certifications: UL844 for Hazardous Area; Class I Division 2, Group A, B, C, D; Class II Division 1, Group E, F, G; Class II Division 2, Group F, G; Class III Division 1; UL1598A Marine Outside Type (Salt Water); DLC 4.0 Premium
- Atmospheric pressure: 12.5 - 15.4 psi

ILLUMINATING RESULTS

- 70 CRI standard enhances color and clarity
- 110° beam angle standard
- Typical mounting heights of 8' - 12'

POSSIBLE APPLICATIONS

- | | | |
|----------------------|--------------------------|------------------------------|
| ■ Industrial storage | ■ Oil and gas refineries | ■ Chem. processing centers |
| ■ Wastewater | ■ Paper/textile mills | ■ Loading docs/shipyards |
| ■ Mining sites | ■ Foundries | ■ Grain mills/ag. facilities |

MODEL/SKU	WEIGHT	DIMENSIONS	CRI	CCT	LUMENS	WATTS	Lm/W	L70
Class I Div. 2 (HLB), Groups A, B, C, D; Class II Div. 1, Groups E, F, G; Class II Div. 2, Groups F, G; Class III Div. 1								
ETG-HLB-C1D2-WL850-65W-B1 NJZ-FEL-D-65-V01*	11 lbs.	10.3" diam x 6.1"h	70	5000K	9,750	65	150	>150,000 hrs
ETG-HLB-C1D2-WL850-65W-B** NJZ-FEL-D-65-V01*								
ETG-HLB-C1D2-WL850-60W-P2-B1 NJZ-FEL-D-60-V04*					9,000	60		
ETG-HLB-C1D2-WL850-60W-P2-B** NJZ-FEL-D-60-V04*								

*DLC qualified
 ** Requires a mount below
 ***P2 option has a longer lead time, please check with your local distributor

COMPARE TO

Existing Fixture	Hazardous Location Replacement
250W HPS/MH	60/65 (max energy savings*)

*replaces a depreciated light source with similar performance while maximizing energy savings

YOUR PART NUMBER

ETG-HLB-C1D2-WL CRI/CCT - WATTAGE W - P POWER - B MOUNT

850 (70 CRI, 5000K) 65 (65W) P1 (120-277VAC) B1 (standard)
 60 (60W) P2 (347-480VAC) B (option)

HLB MOUNTING OPTIONS:



3/4" Conduit with Bracket - Standard
 ETG-HLB-C1D2-WL850-65W-B1



Mount B
 ETG-HLB-C1D2-WL850-65W-B
 (needed for all non-standard mount options)



Ceiling
 ETG-HLB-C1D2-WL850-65W-B
 with ETG-BKT-HLB-B30



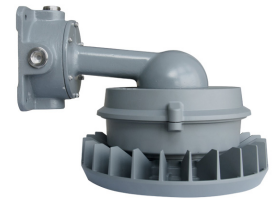
1 1/4" Stanchion 25°
 ETG-HLB-C1D2-WL850-65W-B
 with ETG-BKT-HLB-B32



1 1/4" Stanchion 90°
 ETG-HLB-C1D2-WL850-65W-B
 with ETG-BKT-HLB-B33



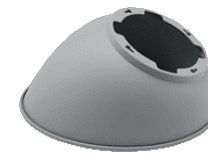
Wall 25°
 ETG-HLB-C1D2-WL850-65W-B
 with ETG-BKT-HLB-B34



Wall 90°
 ETG-HLB-C1D2-WL850-65W-B
 with ETG-BKT-HLB-B35



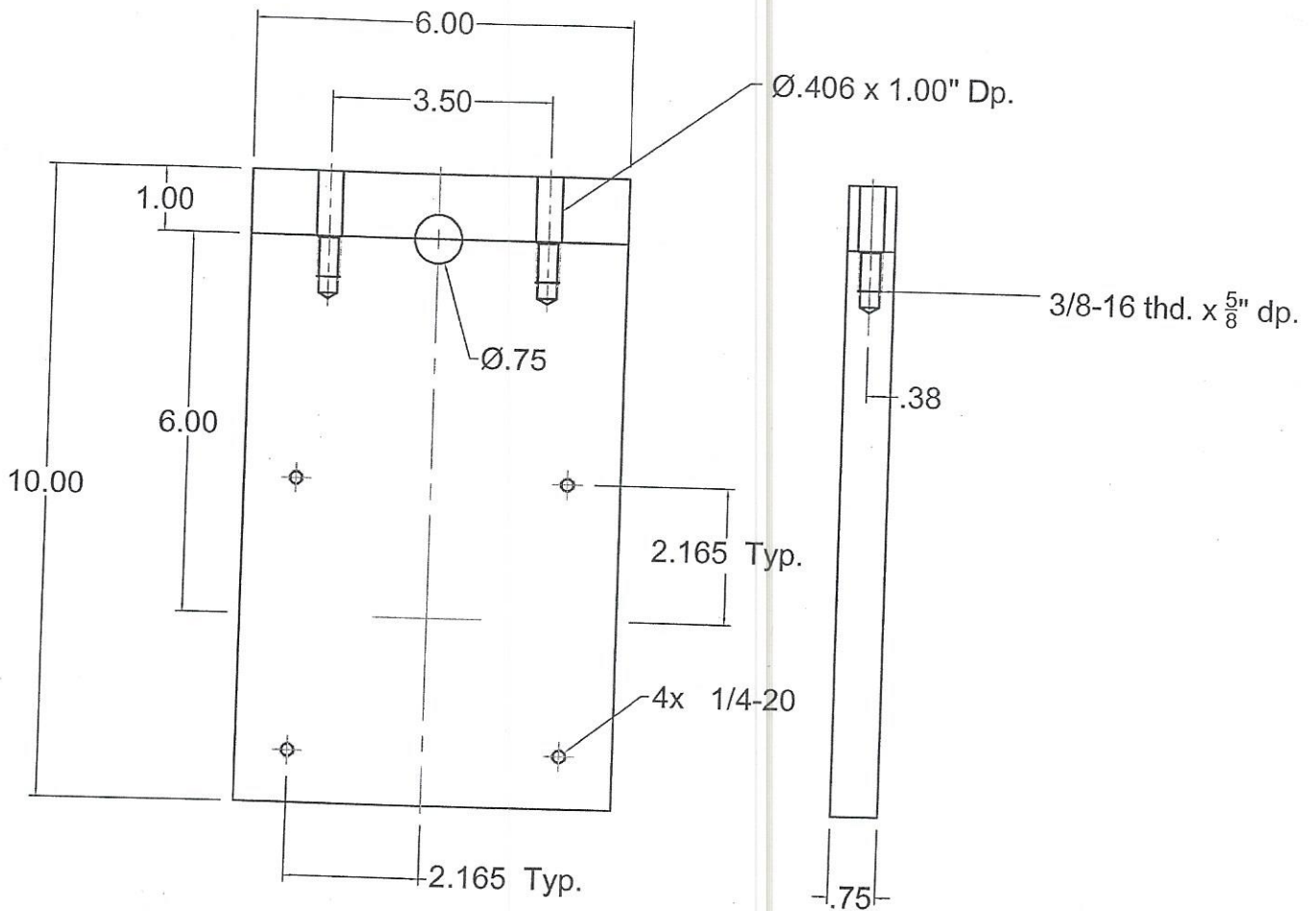
Dome and Wire Guard
 ETG-HLB-DOME
 Option includes Lens and Wire Guard



25° Glare Shield
 ETG-HLB-SHD*
 *minimum order is required

Horner P/n

ETG-MP-HLB-N



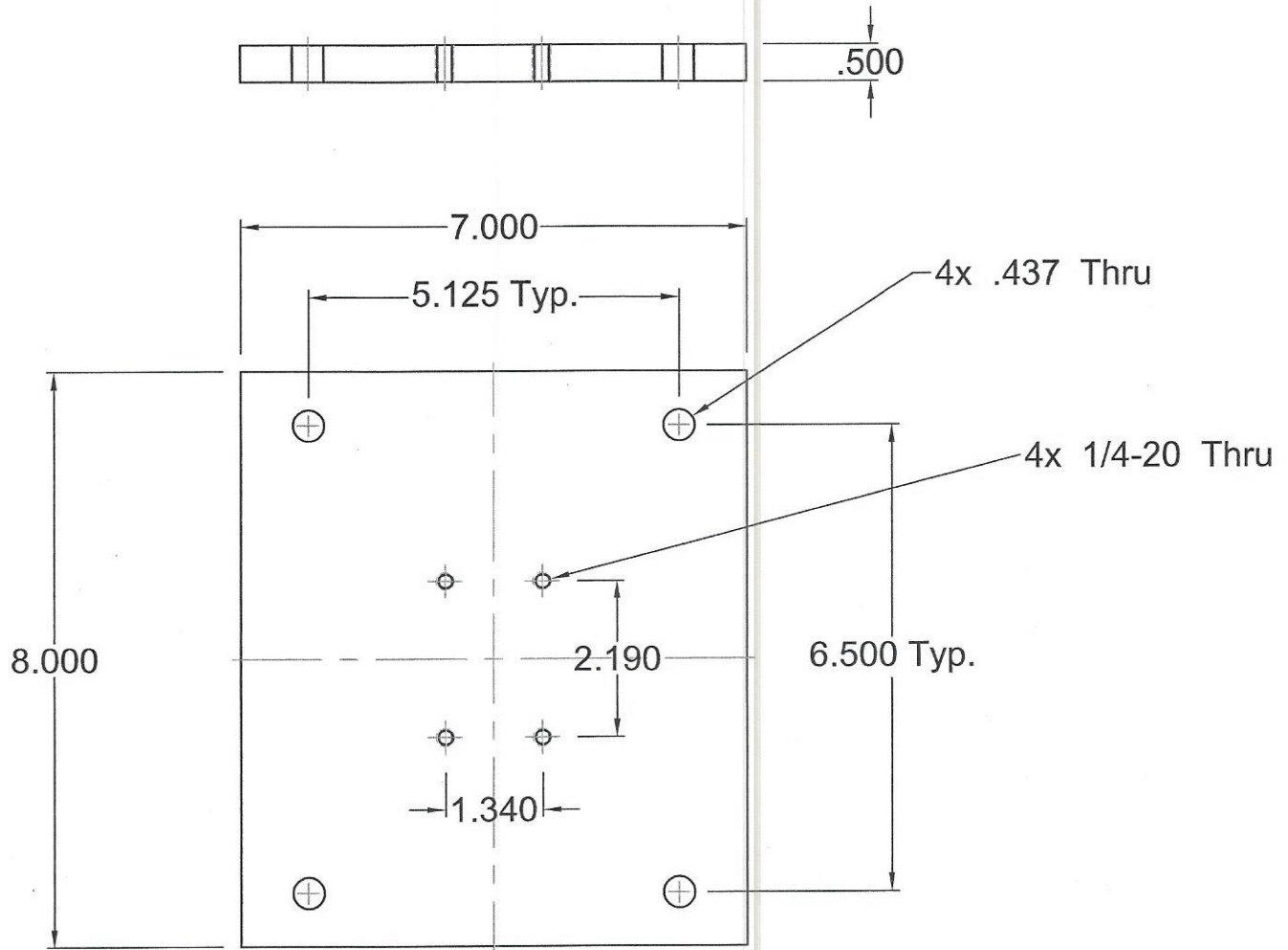
Necklace Plate

Qty. 740 Plates

Mat. 6061 T6

Qty.	Description		
1500	Hex Head Bolts	3/8-16 x 1-1/2" Lg.	316ss
1500	Flat Washers	316ss	
1500	Lock Washers	316ss	
2980	Hex Head Bolts	1/4-20 x 3/4" Lg.	
2980	Flat Washers	316ss	
2980	Lock Washers	316ss	

6/17/21 PDJ

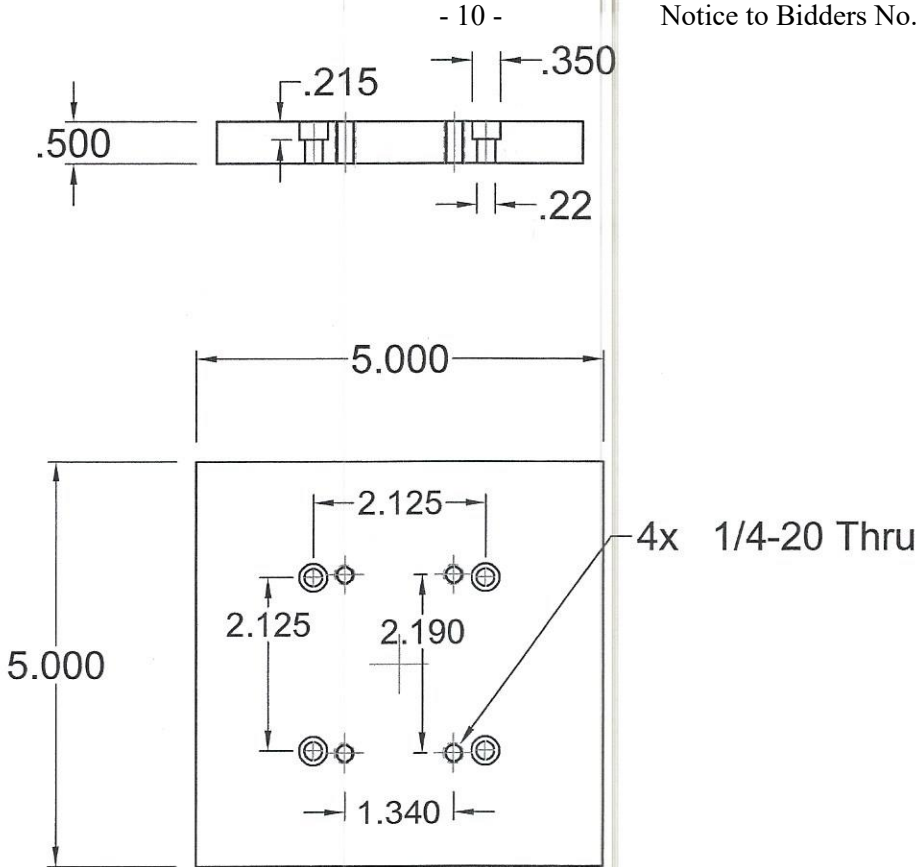


HORNER LIGHTING P/W ETG-MP-HLB1-CA
Column Accent Light Plate

Qty. 72 Plates Mat. 6061 T6

Qty.	Description
310	Hex Head Bolts 1/4-20 x 3/4" Lg. 316ss
310	Flat Washers 316ss
310	Lock Washers 316ss

6/17/21 PDJ



HORNER LIGHTING P/N ETG-MP-HLB1-CA

Pier Accent Flood Light Plate

Qty. 132 Plates Mat. 6061 T6

Qty.	Description
540	Hex Head Bolts 1/4-20 x 3/4" Lg. 316ss
540	Flat Washers 316ss
540	Lock Washers 316ss
540	SHCS Bolts 10-32 X 2-1/4" Lg. 316ss
540	Flat Washers 316ss
540	Lock Washers 316ss

6/17/21 PDJ