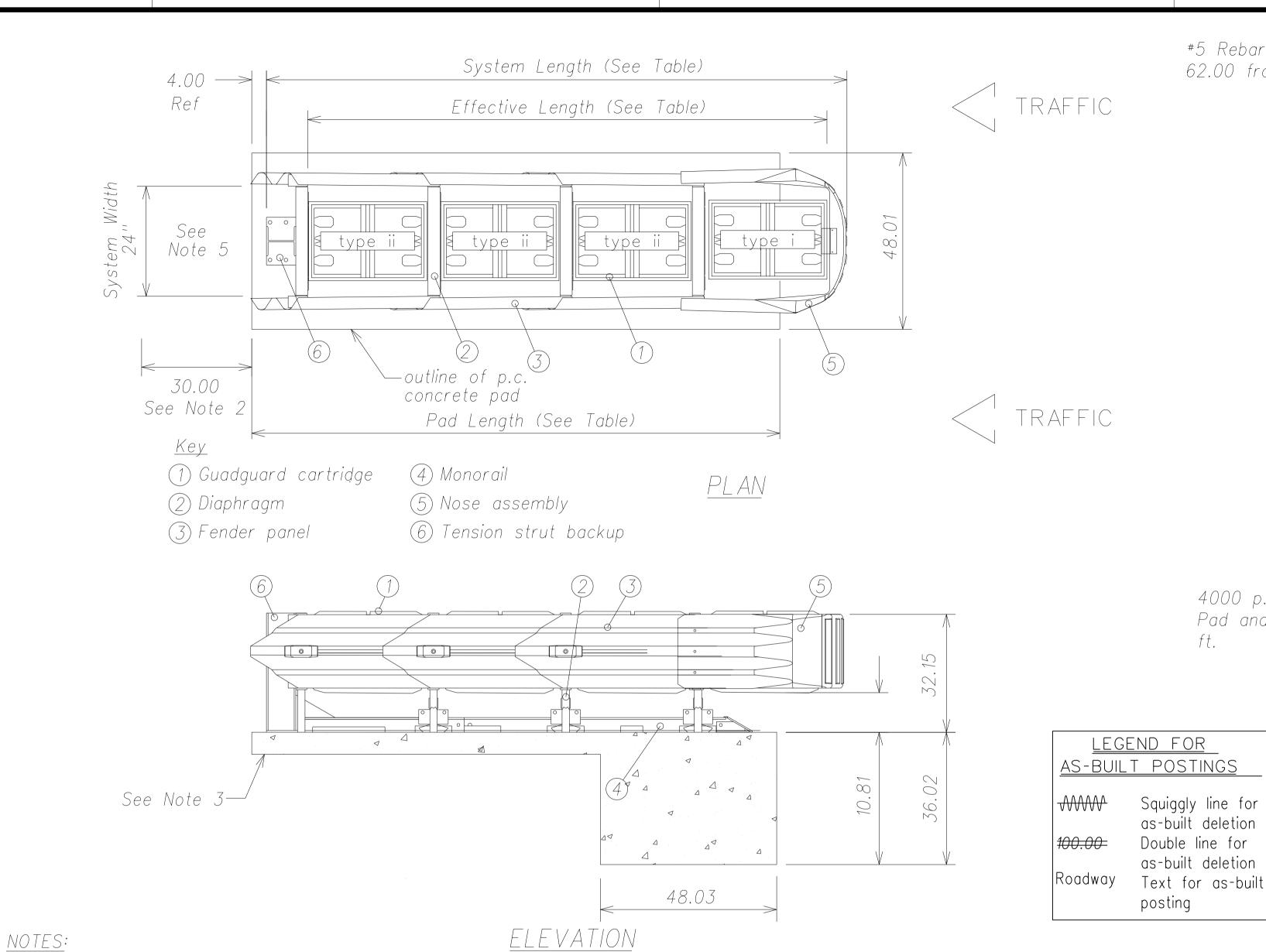


''AS-BUILT''

C.M.DEL S



FED. AID PROJ. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS #5 Rebar at 24.00 Centers Begin— DIST. NO. 62.00 from Rear Edge of Pad HAW. ARR-050-1(036) FY13/14 Model 131 \Pad Length (See Table)  $\leq$  B~ QUADGUARD PAD-62.00 3.00 Place #5 Rebar at 3.00 From Edge for All Pad Length <u>PLAN</u>

FED. ROAD

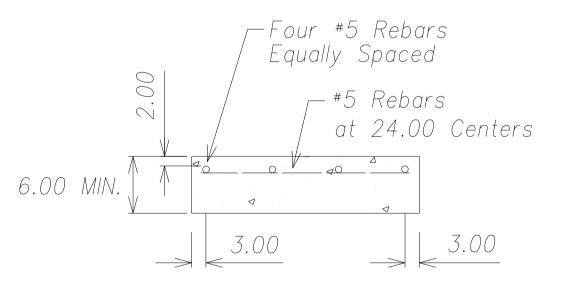
## SECTION A-A

## <u>Notes:</u>

4000 p.s.i. Minimum, P.C. Concrete

Pad and Anchor Block. 145 lbs/cu.

1. Cross slope of pad shall not exceed 8%, and not vary more that 2% from front to back.

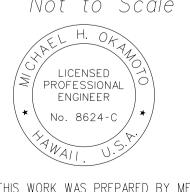


48.00

### SECTION B-B

# CONCRETE PAD

Not to Scale



SIGNATURE

RFI-D NO. 86 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

QUADGUARD II DETAIL PHASE 1 - KAUMUALII HIGHWAY LIHUE MILL BRIDGE TO RICE STREET

DEPARTMENT OF TRANSPORTATION

PHASE 2 - NAWILIWILI STREAM BRIDGE AND MAUKA WIDENING April 30, 2016

Date: March 25, 2013 Scale: As Shown EXPIRATION DATE OF THE LICENSE SHEET No.C-66 OF 84

4. See the "Quadguard System Design Manual" coded ene

820-796 for a description of its impact performance characteristics and design limitations before placing a sytem at a given site. information and copies of above manual are available by calling customer service department at (312) 467-6750.

Where necessary, the customer shall supply a transition from the quadguard system to the object being shielded.

#### QUADGUARD II SYSTEM W/ TENSION STRUT BACKUP Not to scale

1. In compliance with the AASHTO 2002 Roadside Design

and islands to ensure proper impact performance.

2. Provison shall be made for rear fender panels to

slide rearward upon impact 30.00 minimum.

Guide, manufacturer recommends removal of all curbs

3. 6.00 minimum reinforced 4000 psi p.c. concrete pad or 8.00

minimum non-reinforced 4000 psi p.c. concrete roadway.

BAYS	24" Widt GREY	th Model# YELLOW	SYSTEM LENGTHE ft-in	FFECTIVE LENGTH ft-in	PAD LENGTH ft-in	REBAR REQUIRED ft-in	YDS. OF CONC. IN PAD YARDS <sup>3</sup>
4	QS2404G	QS2404Y	16'-1''	14'-8''	15'-0''	83'-8''	2.6

RFI-D NO. 86 SUBSTITUTE QUADGUARD II FOR LMC 90

Units of measurement are

millimeters [inches] unless

otherwise noted.

''AS-BUIL

SHEETS