P E R M I T

CITY OF NAPOLEON
255 W. RIVERVIEW AVE
NAPOLEON, OHIO 43545

DIVISION OF BUILDING & ZONING
PH (419) 592-4010
FAX (419) 599-8393

PERMIT NO: 1358 DATE ISSUED: 10-03-02 ISSUED BY: MRD

JOB LOCATION: 500 E CLINTON ST EST. COST:

LOT #: SUBDIVISION NAME:

OWNER: GROGAN'S TOWNE
ADDRESS: 500 E CLINTON ST
CSZ: NAPOLEON, OH 43545
PHONE:

AGENT: HARMON SIGN
ADDRESS: 7844 W CENTRAL AVE
CSZ: TOLEDO, OH 43617
PHONE: 419-841-6656

USE TYPE - RESIDENTIAL: OTHER:

ZONING INFORMATION

DIST: LOT DIM: AREA: FYRD: SYRD: RYRD:
MAX HT: # PKG SPACES: # LOADING SP: MAX LOT COV:

BOARD OF ZONING APPEALS:

WORK TYPE - NEW: REPLMNT: ADD'N: ALTER: REMODEL:

WORK INFORMATION

SIZE - LGTH: WIDTH: STORIES: LIVING AREA SF:
GARAGE AREA SF: HEIGHT: BLDG VOL DEMO PERMIT:

WORK DESCRIPTION
NEW SIGN

FEE DESCRIPTION	PAID DATE	FEE AMOUNT DUE
SIGN PERMIT		38.20

PAID
OCT 3 2002
CITY OF NAPOLEON

TOTAL FEES DUE 38.20

DATE

APPLICANT SIGNATURE


OCT 3 2022
CITY OF NAPOLEON

City of Napoleon
Engineering Department

Office Use Only	
Permit No:	
App. Date:	
Est. Cost:	
Base Fee:	
Plus Fee:	
Total Fee:	

Application for Sign Permit

Owner Name: GROGAN'S TOWNE

Owner Address: 500 E. CLINTON

Contractor Name : HARMON SIGN CO.

Contractor Address: 7844 W. CENTRAL TOLEDO, OH. 43617 PH: 419.841.6456

Location of Project: 500 E. CLINTON

Additional Information: Sign Type - Post ____ Wall ✓ Ground ✓ Awning ____

Dimensions: SEE SKETCHES Total S.F. 182 ☐

Date: 10/2/06 Applicant Signature: [signature]

Application must include a site drawing or a description of the location of the sign (where applicable) and a sketch of the proposed sign(s).

The permit fee is as follows: $25.00 base which includes up to 50 square feet of sign area, plus .10 per square foot after 50 square feet, not to exceed $100.00 in any case.

25.00 - BASE PERMIT

13.20 - 182 ☐ TOTAL

38.20

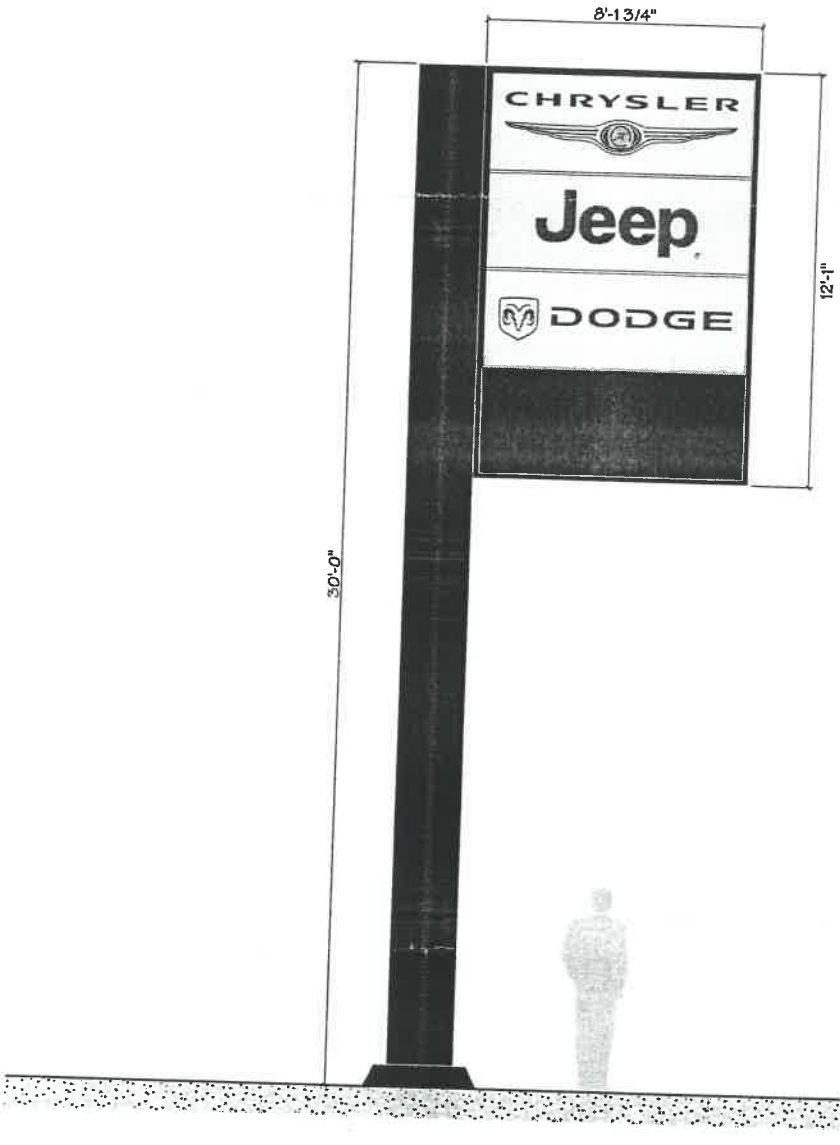
8 Ft.
Chrysler Jeep Dodge

Pearl Grey

Chrysler Black

Jeep Green - 3M VT10412

Dodge Red - 3M 3630-33



FACES: Pan Formed Polycarbonate, Opaque Pearl Grey background Behind Dodge shield - Translucent Pearl Grey

CHRYSLER PANEL: Embossed "CHRYSLER" letters decorated black, Metalized formed wings with 4-color decal center

JEEP PANEL: Embossed "Jeep" letters decorated Jeep Green

DODGE PANEL: Embossed "DODGE" letters decorated red Embossed shield plateau decorated with flat red graphics

Cabinet, Retainer and Reveal: Black

Black aluminum cladding

180 A

CUMMINGS SIGNS
The International Sign Service

Design # 8' CJD
Scale 3/16" = 1'-0" Date N/A
Created for the approval of:
DAIMLERCHRYSLER CORPORATION
Drawn by: JM Smith

CITY OF NAPOLEON INSPECTION FORM

PERMIT #: 1358

DATE ISSUED: 10-03-2002

JOB LOCATION: 500 E CLINTON ST

OWNER: GROGAN'S TOWNE

OWNER PHONE:

CONTRACTOR: HARMON SIGN

CONTRACTOR PHONE:419-841-6656

WORK DESCRIPTION: NEW SIGN

PLUMBING: UNDGR _____ RGHIN _____ FINAL _____

SEWER INSP _____

MECHANICAL: UNDGR _____ RGHIN _____ FINAL _____

FURNACE REPLC _____ AIR COND _____

ELECTRICAL: UNDGR _____ RGHIN _____ FINAL _____

SERV UPGR _____

BUILDING: SITE _____ FTG _____ FNDT _____

STRUC _____ ROOF _____ EXT _____

VENT _____ ACCES _____ EGRS _____

SMKDT _____ FINAL _____

ISSUE TEMP OCCUP _____ ISSUE OCCUP ____

STRG SHED: SITE _____ FINAL _____

SIGN: FTG _____ FINAL _____

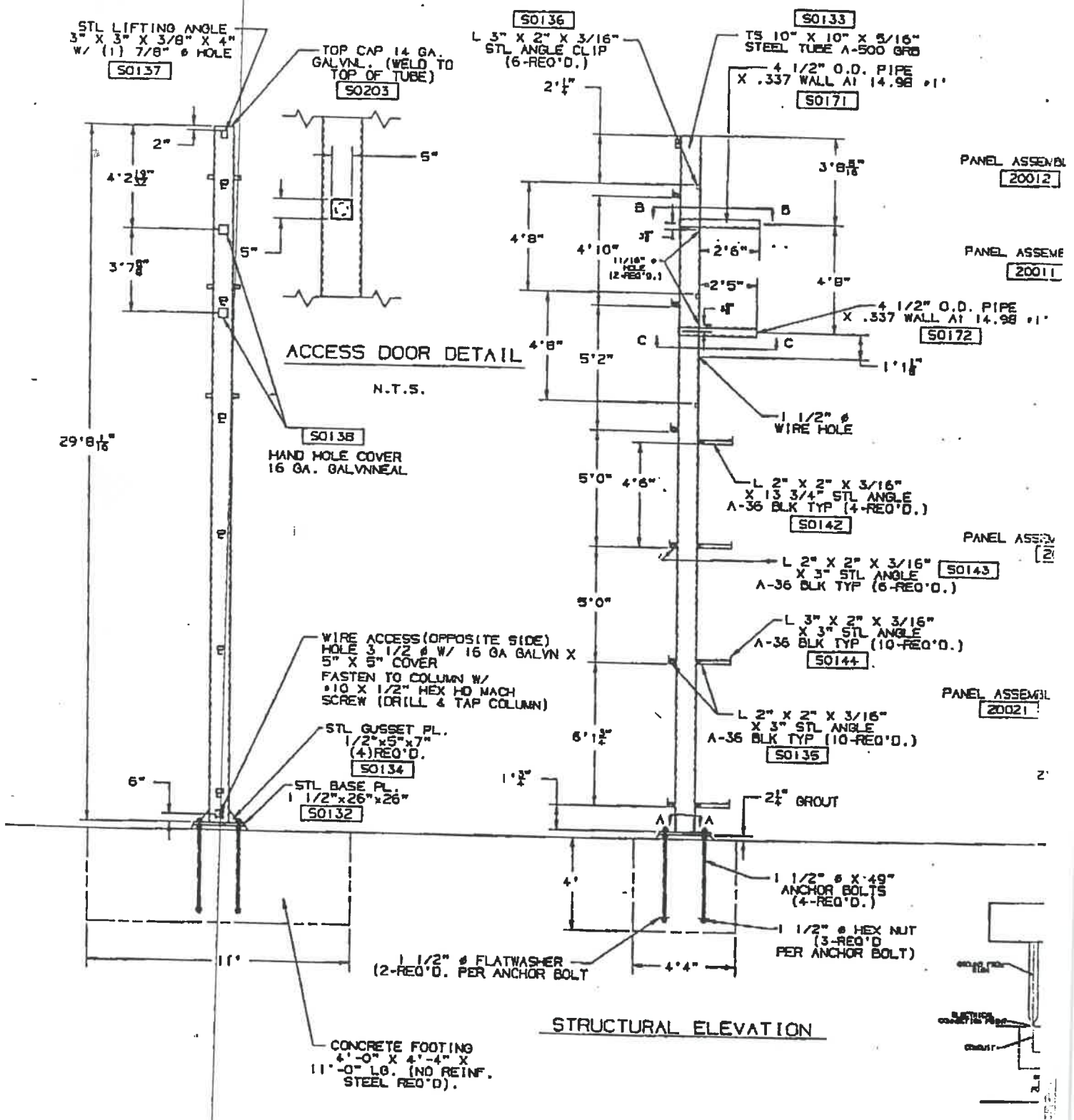
FENCE: SITE _____ FINAL _____

MISC INSP: _____

NOTES: _____

_____

_____

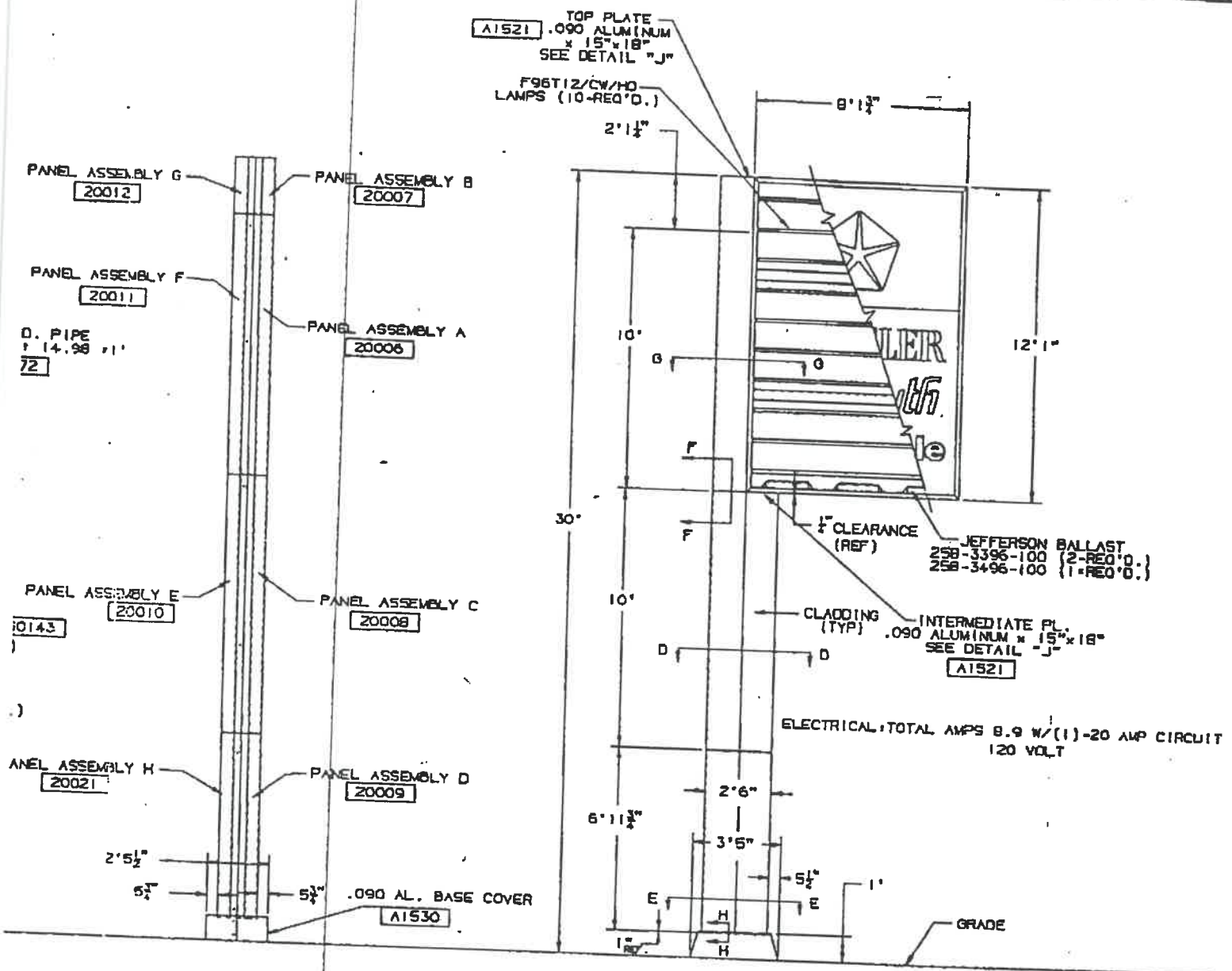


✳ ALL CLADDING, COVER PLATES & BASE COVER TO BE PRIMED & PAINTED BY MANUFACTURER AK20 GRIPGUARD GRAY #187-F-3 ✳

1. A GREEN COLORED GROUND ALONG WITH MAIN POWER MAIN POWER SUPPLY SHALL BE 14GA SOLID WI

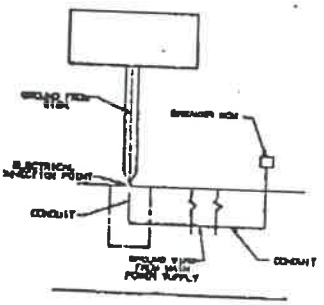
2. A GREEN COLORED END WI SIGN BOX LEADS INSTALL CONNECTION BETWEEN SIG AND THE END WIRE LEAD

REV	BY DC	DATE	REVISED PER PROTOTYPE PRODUCTION (GENERAL REVISION)	APPR	DATE	REV	BY	DATE	APPR	DATE	REV	BY	DATE	APPR	DATE	REV	BY	DATE
4																		



DESIGN CRITERIA

1) WIND LOAD IS 30 P.S.F. 0-30' ABOVE 30' IS 35 P.S.F.
2) STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A36. (EXCEPT NOTED)
3) STEEL PIPE SHALL CONFORM TO A.S.T.M. A53 GRADE B OR API 5L-B.(FY=35 KSI)
4) STEEL TUBING SHALL CONFORM TO A.S.T.M. A500 GRADE B.(FY=46 KSI)
5) EXTRUDED ALUMINUM SHALL BE 6063-T6 OR AS SPECIFIED ON SHOP DRAWINGS.
6) FOUNDATION IS DESIGNED FOR MINIUM ALLOWABLE SOIL PRESSURE OF 3000 PSF
7) ALL CONNECTION BOLTS SHALL BE A.S.T.M. A-307 UNLESS NOTED ON SHOP OR INSTALLATION DRAWINGS.
8) THE SIGN ERECTION AND FOUNDATION CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN SITE PRIOR TO CONSTRUCTION. CUMMINGS SIGNS DOES NOT ASSUME ANY RESPONSIBILITY FOR INSURING THAT A SPECIFIC LOCATION CONFORMS TO THE DESIGN CRITERIA.
9) CONCRETE USED TO CONSTRUCT THE FOUNDATION SHALL BE READY-MIXED DESIGNED TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
10) ALL WELDING SHALL CONFORM TO RECOMMENDATIONS AS PUBLISHED BY THE AMERICAN WELDING SOCIETY (AWS). WELDING SHALL BE PERFORMED BY WORKMEN WHO HAVE BEEN RECENTLY CERTIFIED BY A QUALIFIED TESTING LABORATORY. E70XX ELECTRODES SHALL BE USED UNLESS OTHERWISE NOTED.
11) FOR SET-UP & CLADDING ATTACHMENT SEE INSTRUCTIONS IN HARDWARE KIT.



)RED GROUND WIRE IS TO BE INSTALLED
MAIN POWER SUPPLY WIRES FROM
SUPPLY BREAKER BOX OUT TO SIGN. WIRE
3A SOLID WIRE 1,000 VOLT 90°.

)RED END WIRE IS PROVIDED WITH
LOS INSTALLER TO MAKE SECURE
ETWEEN SIGN BOX END WIRE LEAD
WIRE LEAD FROM MAIN POWER SUPPLY.

ENGINEER'S SEAL AND SIGNATURE

	DATE
DC	8/12/92
RC	8/12/92
CG	8/12/92
TC	8/12/92

REF. DRAWINGS

CHRYSLER

12'-1" X 8'-1 3/4" POLE PROJECT 30' O.A.H. INSTALLATION PROJECT 2000

BY	APPR
DATE	DATE

SCALE AS NOTED | DWG NO. W1120021 | REV | SHEET 1 OF 2

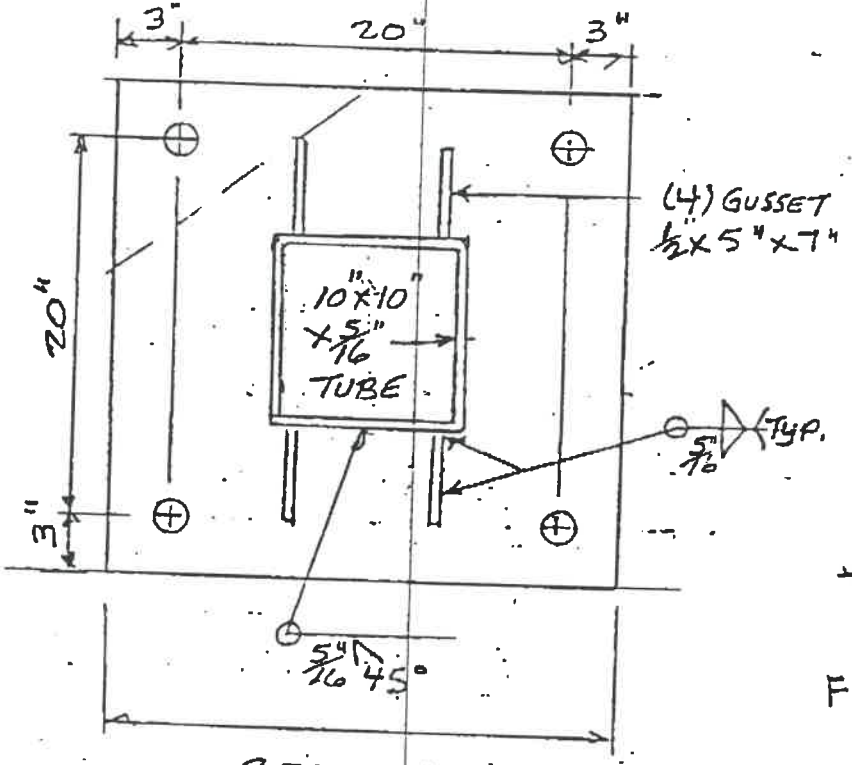
SUBJECT CHRYSLER- 12'-1" & 8'-1¾" DLE POLE PROJ. FOR DESIGN BY CG

Cummings Incorporated
ENGINEERING DEPARTMENT

SHEET NO. 3 OF 3
JOB NO. 15248
DATE 4-26-93

II DESIGN SUPPORT STEEL (CONTINUED)

c) BASE PL AND ANCHOR BOLTS



SECTION A-A

$$\text{TOR } C_{xx} = \frac{93.84(12)}{20} = 56.3^K$$

$$\text{TOR } C_{yy} = \frac{(4.43)(12)}{20} = 2.66^K$$

$$SS = \frac{13.3\,(12)}{(4)(14.14)} = 2.82^K$$

TRY 1¼ϕ A36 ANCHOR BOLTS

$$f_V = \frac{2.82^K}{1.41} = 2.0 \text{ KSI}$$

$$f_t = \frac{56.3^K + 2.66^K}{(2)(1.41^K)} = 20.91 \text{ KSI}$$ OK

$$FT = (24.94)(1\tfrac{1}{3}) - 1.8 f_V$$

$$t = \sqrt{\frac{29.5\,(6)\,(3.8)}{30\,(16.4-1.75)}} = 1.24"$$

USE 1½" THICK BASE PL

III DESIGN FOUNDATION

TRY 4'-0 DEEP x 4'-4 WIDE x 11'-0 LONG

MOMENT (DUE TO WIND LOAD) AT THE BOT. OF FOUNDATION
$= 93.84^{1-K} + 4.75^K (4.0') = 112.84^{1-K}$

WT OF FOUNDATION = $(4.0)(4.33)(11.0)(.15) = 28.6^K$
EST. WT. SIGN + COL. $= 2.5^K$
$P = 31.1^K$

RESISTANCE TO OVERTURNING
$= 31.1^K (5.5') = 171.1^{1K}$

SAFTEY FACTOR $= \frac{171.1^{1-K}}{112.84^{1K}} = 1.52$ OK

$e = \frac{112.84^{1-K}}{31.1^K} = 3.63$

SOIL PRESSURE
$= \frac{2(31.1^K)}{(5.5-3.63)3(4.33)}$
$= 2.56 \text{ KSF} < 3$ OK

CHECK STRESS ON CONC. FOUNDATION WITHOUT REINF.

$I = \frac{52 \times (46)^3}{12} = 421{,}789$ $f_b = \frac{112.84(12)(1000)(23)}{421{,}789}$

$f_b = 73.84 \text{ PSI} < 178$ OK

SUBJECT CHRYSLER 12'-1 x 8'-1 3/4 D/F POLE PROJ.
FOR DESIGN BY CG

Cummings Incorporated
ENGINEERING DEPARTMENT

SHEET NO 2 OF 3
JOB NO 1524B
DATE 4-26-93

II DESIGN SUPPORT STEEL

a) MOMENTS AT LINE "B" (SIGNBOX EDGE AT SUPPORT COLUMN)
DUE TO WINDLOAD
$(12.083')(8.15')(.030^K)(8.15'/2) = 12.04^{I-K}$
DUE TO DEAD LOAD
$(12.083')(8.15')(.010^K)(8.15'/2) = 4.01^{I-K}$

$M = \sqrt{(12.04)^2 + (4.01)^2} = 12.7^{I-K}$

TRY 3/16" x 5" x 5" SQ TUBE STEEL

$fb = \frac{12.7^{I-K}(12)}{(2)\ 5.36} = 14.22$ KSI OK

TRY 4 1/2" O.D. x .337 PIPE AS STUB SUPPORT

$fb = \frac{12.7\ (12)}{(2)(4.27)} = 17.85$ KSI OK

b) MOMENTS AT GRADE
$(12.083')(9.4')(.030^K)(24.0') = 81.8^{I-K}$
$(17.92')(2.5')(.030^K)(17.92'/2) = 12.04^{I-K}$
(DUE TO WIND LOAD) $\rightarrow \Sigma M_{xx} = 93.84^{I-K}$

DUE TO DEAD LOAD OF SIGNBOX
$M_{yy} = (12.083')(8.15')(.010^K)(4.5') = 4.43^{I-K}$

TORSIONAL MOMENT DUE TO WIND LOAD ON SIGNBOX
$(12.083')(8.15')(.030^K)(4.5') = 13.3^{I-K}$

TRY 5/16" x 10 x 10 SQ. TUBE

$fb_{xx} = \frac{93.84^{I-K}(12)}{36.7} = 30.68$ KSI

$fb_{yy} = \frac{4.43^{I-K}(12)}{36.7} = 1.45$ KSI

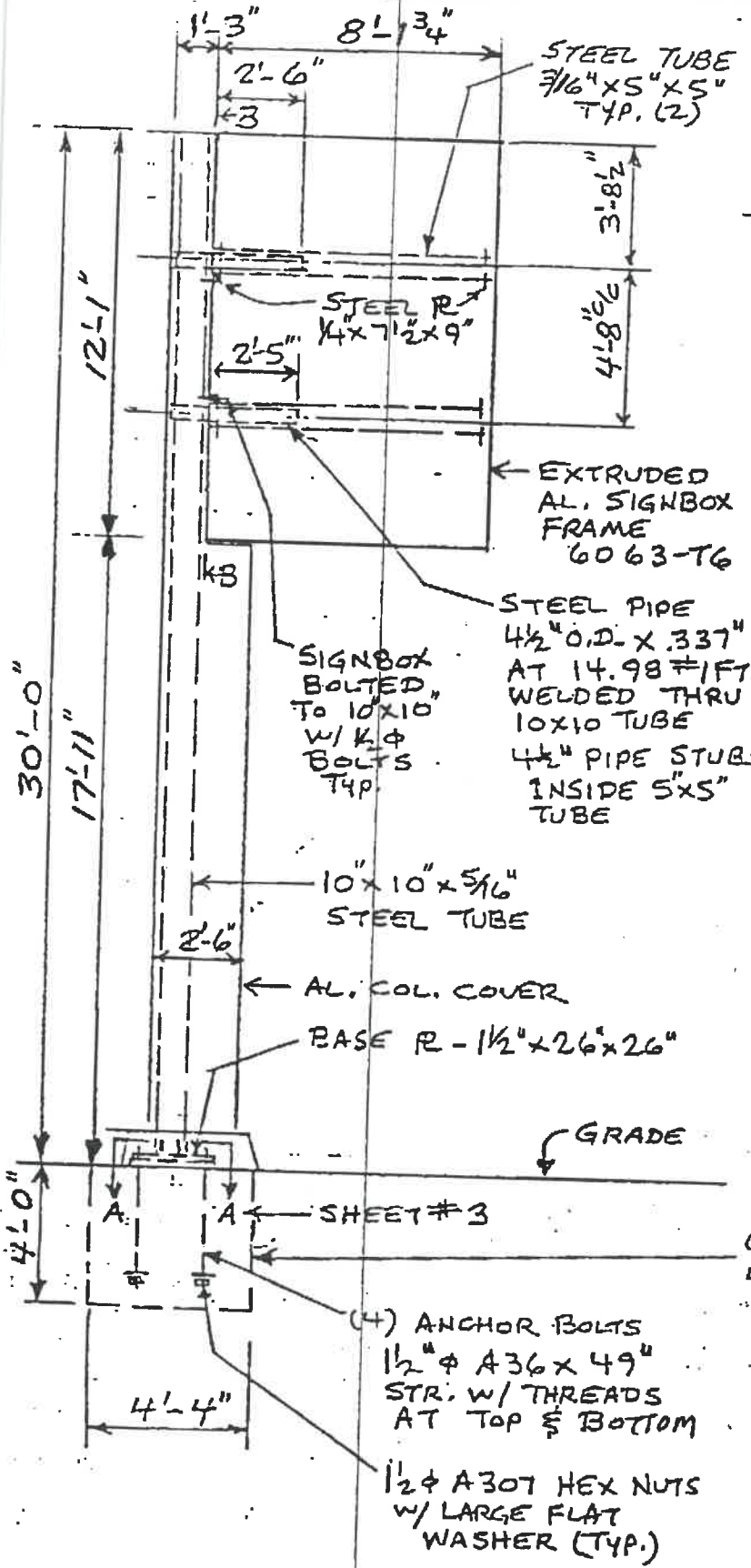
$fst = \frac{13.3^{IK}(12)}{(2)(9.68^2).313} = 2.72$ KSI

$Sn = \frac{32.13}{2} + \sqrt{\left(\frac{32.13}{2}\right)^2 + 2.72^2} = 32.36$ KSI $< 46\ (.60)(1\frac{1}{3})$
OK

SUBJECT: CHRYSLER
12'-1" x 8'-1 3/4" D/F POLE PROJ.
FOR DESIGN BY CG

Cummings Incorporated
ENGINEERING DEPARTMENT

SHEET NO. 1 OF 3
JOB NO. 15248
DATE 4-26-93



ELEVATION

I. DESIGN CRITERIA

a) WIND LOAD DESIGN IS 30 PSF.

b) ALL STEEL IS TO BE A36 OR EQUAL EXCEPT SQUARE TUBE IS A500 GRADE B.

c) CONC. FOR FOUNDATION IS TO BE 3000 PSI COMPRESSIVE STRENGTH.

d) FOUNDATION IS DESIGNED FOR MINIMUM ALLOWABLE SOIL PRESSURE OF 3000 PSF.