



Public Works and Planning Department
250 North 5th Street, Grand Junction CO 81501
Tel: (970) 244-1430 FAX (970) 256-4031

Sign Permit

**For Signs that DO NOT Require
a Building Permit**

(A)

Date Submitted 8/5/10
Fee \$ 25⁰⁰
Zone C-1

TAX SCHEDULE NO. 2945-053-00-065 CONTRACTOR YESCO
BUSINESS NAME Maverik LICENSE NO. 201182
STREET ADDRESS 2948 F Road ADDRESS 2767 Industrial Drive OGDEN, UT 84401
PROPERTY OWNER Maverik TELEPHONE 801-430-1451
OWNER ADDRESS 880 W Center St NSL, UT CONTACT PERSON MATT WREN

- 1. FLUSH WALL 2 Square Feet per Linear Foot of Building Façade
- 2. ROOF 2 Square Feet per Linear Foot of Building Façade
- 3. PROJECTING 0.5 Square Feet per each Linear Foot of Building Façade
- 4. FREE-STANDING 2 Traffic Lanes - 0.75 Square Feet x Street Frontage
4 or more Traffic Lanes - 1.5 Square Feet x Street Frontage

Existing Externally or Internally Illuminated - No Change in Electrical Service Non-Illuminated

(1-4) Area of Proposed Sign: 35 Square Feet
(1-3) Building Façade: 92 Linear Feet Building Façade Direction: North South East West
(4) Street Frontage: ~~35~~ + 292 Linear Feet Name of Street: ~~South~~ F Rd
(2-4) Height to Top of Sign: _____ Feet Clearance to Grade: _____ Feet

EXISTING SIGNAGE TYPE & SQUARE FOOTAGE:

<u>None</u>	_____ Sq. Ft.
_____	_____ Sq. Ft.
_____	_____ Sq. Ft.
Total Existing:	<u>0</u> Sq. Ft.

FOR OFFICE USE ONLY

Signage Allowed on Parcel:

<u>92 x 2</u>	Building	<u>184</u>	Sq. Ft.
<u>292 x 1.5</u>	Free-Standing	<u>438</u>	Sq. Ft.
Total Allowed:		<u>438</u>	Sq. Ft.
		<u>- 35</u>	
		<u>403</u>	

COMMENTS: This ~~map~~ permit will be for a new wall mounted sign reading "Maverik" to be installed on the front of the building. This sign permit may be subject to CDOT regulation. Please contact CDOT for further information.

NOTE: No sign may exceed 300 square feet. A separate sign permit is required for each sign. Attach a sketch, to scale, of proposed and existing signage including types, dimensions and lettering. Attach a plot plan, to scale, showing: abutting streets, alleys, easements, driveways, encroachments, property lines, distances from existing buildings to proposed signs and required setbacks. Roof signs shall be manufactured such that no guy wires, braces or supports shall be visible.

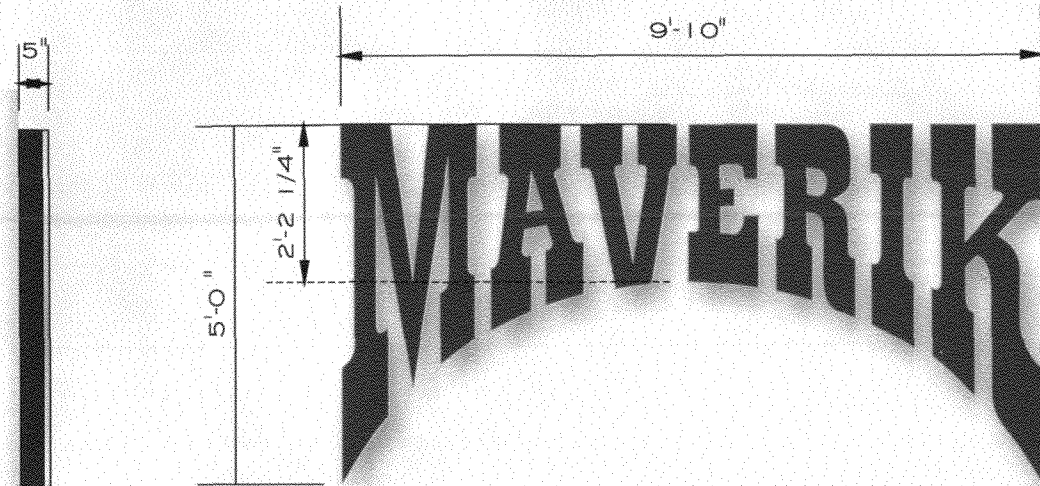
I hereby attest that the information on this form and the attached sketches are true and accurate.

[Signature] 8/3/10 RD Taylor Henderson 8-11-10
Applicant's Signature Date Planning Approval Date

(White: Planning)

(Yellow: Neighborhood Services)

(Pink: Applicant)



SCALE 3/8" = 1'-0"

MANUFACTURE 1ea SET PAN CHANNEL LTRS/ L.E.D. ILLUM (UL)
 COPY: (MAVERIK) PAN CHANNEL OF ALUM W/ 5" RETURNS
 USE PRE-PAINT ALUM "DARK BRONZE"
 FACES: "211-IGP RED" ACRYLITE PLEX W/ 1" GOLD TRIMCAP
 L.E.D. ILLUM: RED
 INSTALL: FLAT TO FASCIA (THRU WALL WIRING)

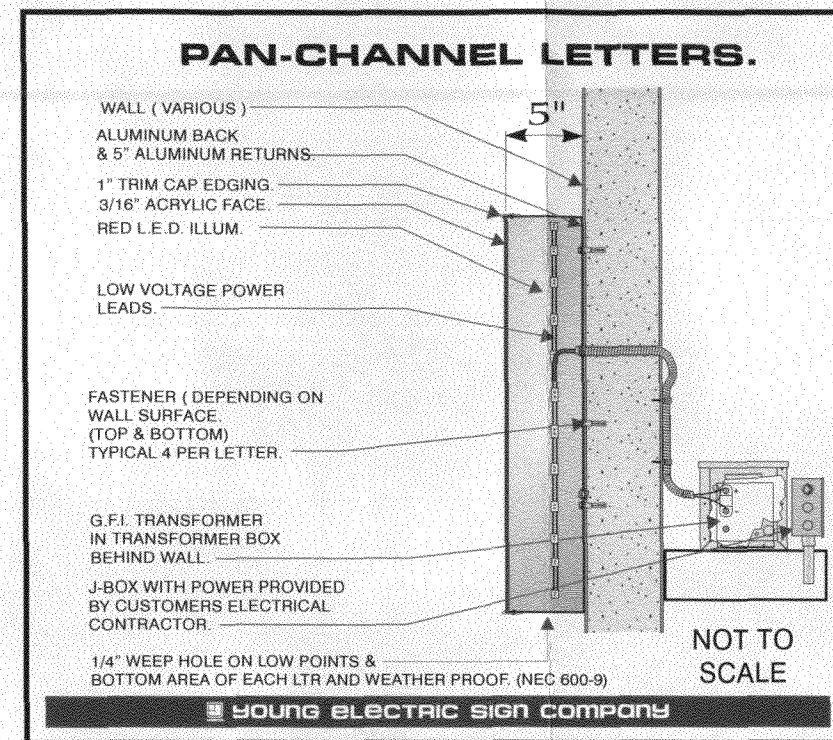
MAVERIK LETTERS ARE
 BETWEEN 26" - 60" TALL
 33 SQUARE FEET

OK FOR PRODUCTION

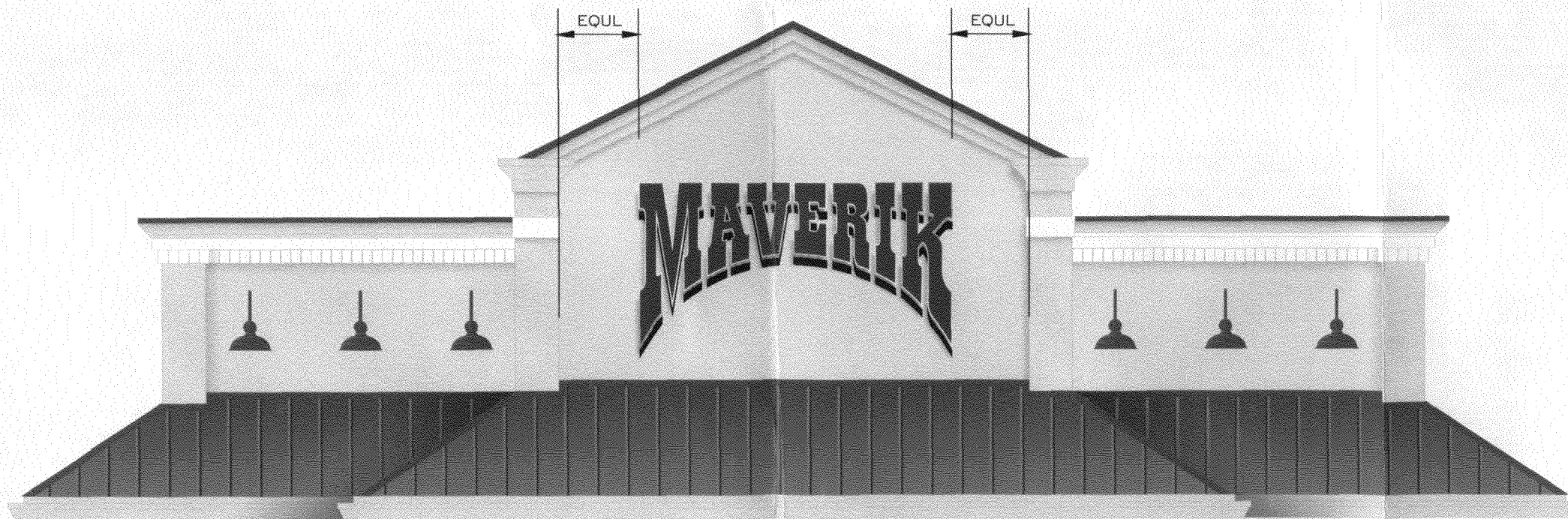
SALES _____ DATE _____

PAN CHANNEL LETTERS
 S-2

DESIGN NO.	60000
DRAWING NO.	60000
DATE	
SCALE	NOTED
SHEET NO.	
BY	M WILLIAMS
DATE	
DESIGNER	M WILLIAMS
CHECKER	
APPROVER	
DATE	
PROJECT	MAVERIK FOR STOCK
LOCATION	YESCO, OGDEN DIVISION
SALES REPRESENTATIVE	MATT WREN



1. Provide minimum 20 amperes branch circuit that services no other load (NEC 600-6)
2. Grounding-Bonding of all metal parts and equipment associated with minimum #14 Copper Wire (NEC 600-7)



NO SCALE

DESIGN: 2006\06\20\DWELLUMS\MAVERIK L.E.D. LETTERS.cdr



OGDEN DIVISION
 YOUNG ELECTRIC SIGN COMPANY
 YESCO, 2767 Industrial Dr., Ogden, Utah 84401 (801) 621-4710

© THIS DRAWING WAS CREATED TO ASSIST YOU IN VISUALIZING OUR PROPOSAL. THE ORIGINAL IDEAS HEREIN ARE THE PROPERTY OF YOUNG ELECTRIC SIGN COMPANY. PERMISSION TO COPY OR REUSE THIS DRAWING CAN ONLY BE OBTAINED THRU A WRITTEN AGREEMENT WITH YESCO. SEE YOUR SALES REPRESENTATIVE OR CALL THE NEAREST OFFICE OF YOUNG ELECTRIC SIGN COMPANY.

(B)



Sign Clearance

For Signs that Require a Building Permit

Bldg Permit No. _____
 Date Submitted 8/5/10
 Fee \$ 5⁰⁰
 Zone C-1

Public Works & Planning Department
 250 North 5th Street, Grand Junction CO 81501
 Tel: (970) 244-1430 FAX (970) 256-4031

TAX SCHEDULE NO. 2945-053-00-065 CONTRACTOR YESCO
 BUSINESS NAME Maverik LICENSE NO. 201182
 STREET ADDRESS 2948 F Road ADDRESS 2767 Industrial Drive Ogden UT 84401
 PROPERTY OWNER Maverik TELEPHONE NO. 801-430-1451
 OWNER ADDRESS 880 W Center St NSL, UT CONTACT PERSON Matt Wren

<input type="checkbox"/>	1. FLUSH WALL	2 Square Feet per Linear Foot of Building Facade
<input type="checkbox"/>	2. ROOF	2 Square Feet per Linear Foot of Building Facade
<input checked="" type="checkbox"/>	3. FREE-STANDING	2 Traffic Lanes - 0.75 Square Feet x Street Frontage 4 or more Traffic Lanes - 1.5 Square Feet x Street Frontage
<input type="checkbox"/>	4. PROJECTING	0.5 Square Feet per each Linear Foot of Building Facade
<input type="checkbox"/>	5. OFF-PREMISE	See #3 Spacing Requirements; Not > 300 Square Feet or < 15 Square Feet

Externally Illuminated Internally Illuminated Non-Illuminated

(1 - 5) Area of Proposed Sign: 110 Square Feet
 (1,2,4) Building Façade: 92 Linear Feet Building Façade Direction: North South East West
 (1 - 4) Street Frontage: 292 Linear Feet Name of Street: "F" Road
 (2 - 5) Height to Top of Sign: 25 Feet Clearance to Grade: 11'7" Feet
 (5) Distance to Nearest Existing Off-Premise Sign: _____ Feet

EXISTING SIGNAGE TYPE & SQUARE FOOTAGE:

<u>None</u> Flushwall	<u>35</u> Sq. Ft.
_____	_____ Sq. Ft.
_____	_____ Sq. Ft.
Total Existing:	<u>35</u> Sq. Ft.

FOR OFFICE USE ONLY

Signage Allowed on Parcel for ROW:

<u>92x2</u> Building	<u>184</u> Sq. Ft.
<u>262x1.5</u> Free-Standing	<u>438</u> Sq. Ft.
Total Allowed:	<u>438</u> Sq. Ft.

438 - 35 = 293

COMMENTS: This permit is for a free standing sign - Engineering and Sign Drawings are attached. This sign permit may be subject to CDOT regulation. Please contact CDOT for further information.

NOTE: No sign may exceed 300 square feet. A separate sign clearance is required for each sign. Attach a sketch, to scale, of proposed and existing signage including types, dimensions and lettering. Attach a plot plan, to scale, showing: abutting streets, alleys, easements, driveways, encroachments, property lines, distances from existing buildings to proposed signs and required setbacks. **A SEPARATE PERMIT FROM THE BUILDING DEPARTMENT IS ALSO REQUIRED.**

I hereby attest that the information on this form and the attached sketches are true and accurate.

Matt Wren 8/3/10 PO Gayleen Henderson 8-11-10
 Applicant's Signature Date Planning Approval Date

(White: Planning) (Yellow: Neighborhood Services) (Pink: Building Permit) (Goldenrod: Applicant)



FOR GAS PRICE SIGN
INSTALL LAMPS
VERTICALLY
FOR POSSIBLE
FUTURE LED
PRICE CHANGER
RETROFIT

25'-0"

11'-10"

12'-3"

11'-7"

5'-6"

4'-0"

4'-0"

VERIFY ENGINEERING

4'-0"

ADD
CONE
SHAPE

10" & 8" PIPES PAINTED TO
RESEMBLE WOOD
GRAIN

REVERSE

335.9 UNLEADED
335.9 DIESEL
GLAZED DONUTS .29
HOAGIE SANDWICH 2.50

COLOR LEGEND

- 3630-76 HOLLY GREEN
- 3630-126 DRK EMERALD GREEN
- 3630-149 LT BEIGE
- 3630-147 LT EUROPEAN BLUE
- 3630-73 DRK RED

DETAILED SPECIFICATIONS:

Embedment is direct burial with a footing for each pipe.
Each double face cabinet is constructed with full steel truss framing of 2 x 2 x 3/16" angle or heavier with a .063 ALUMINUM outer covering formed to accommodate face wind-load support as inside retainer.
Face is held in place with an outside retainer of .090 ALUMINUM at proper spacing and size for appropriate engineering. Each cabinet is attached to the pipe support with a 1/2" thick steel plate bolted to the interior frame at each corner and field welded at appropriate height per job-site grade requirements.
Illumination for each cabinet is with 800 Ma fluorescent lighting. Lamps are at 12" spacing, daylight in color with appropriate ballasts for power at 120 volts (unless otherwise specified) and wired and shielded as per UL 48 sign specification codes.
Inside of cabinet is spray painted with a rust-inhibitive white prime coat for reflective purposes.
Outside of cabinet is spray painted with a rust-inhibitive self-etching primer and top coated with a urethane finish.
Retainers are likewise painted.
PIPES 10" & 8" primed and painted to resemble woodgrain.

SCOPE OF WORK:

MFG/INST D/F D/P ILLUMINATED CABINET SIGN DISPLAY.
MAVERIK CABINET PANNED FORMED CLEAR FACES WITH 2nd SURFACE VINYL LOGO 3630-147 BLUE, 3630-149 LT. BEIGE, 3630-76 HOLLY GREEN, 3630-126 DK. GREEN. EMBOSSED MAVERIK COPY BACK SPRAYED TO MATCH 3630-73 DK. RED.

PRICE CABINET WHITE LEXAN FACES WITH 1st SURFACE VINYL COPY 3630-76 HOLLY GREEN & BLACK & GREEN VINYL DIVIDERS. 15" CHANGEABLE RED & GREEN NUMERALS STYLE A - 42 EA COUNT.

MARQUEE CABINET WHITE LEXAN FACES WITH 2 ROWS BLACK 8" CONDENSED CHANGEABLE LETTERS-200 FONT.

T-12 DHO FLUORESCENT ILLUMINATION.

CABINET & RETAINERS PAINT TO MATCH #3630-76 HOLLY GREEN VINYL.

INCLUDES
8" & 15"
PRONTO
LETTER
STORAGE
CABINET



SCALE:
3/8" = 1'-0"

**PRICES
ALWAYS
CLOSEST
TO ROAD**

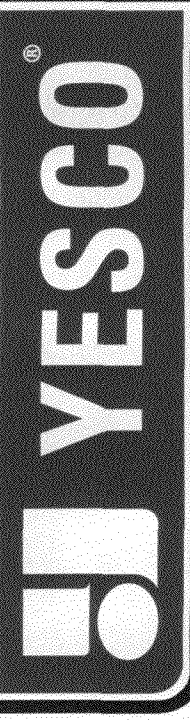
APPROVALS
I have studied the above design drawings and find the following details acceptable:
() Copy & Letter Style
() Materials
() Colors
() Dimensions
Client Signature • Date
Landlord Signature • Date
Sales Exec. Signature • Date

**PRELIMINARY
NOT FOR PRODUCTION**
FILE DESIGN NUMBER
W.O. NUMBER
NOTE: COST FOR FUTURE LED RETROFIT ELECTRICAL WIRING TO SIGN AREA IS NOT INCLUDED IN THIS PROPOSAL.

DESIGN: 2009 ACTIVE CLEWIS JOBS \MAVERIK\6000000 MAVERIK GRAND JUNCTION.cdr
UTAH CONTRACTOR LICENSE No. 22-225497-5501 - IDAHO CONTRACTOR LICENSE No. C-3093-S - WYOMING CONTRACTOR LICENSE No. ES-20 & LMS-17 - MONTANA CONTRACTOR LICENSE No. 157187
NOTE: The colors depicted on this rendering may not match actual colors on finished display. Please refer to color call-outs for approved color specifications.

BRIEF DESCRIPTION OF PROJECT/REVISION	DATE	BY	FIRM NAME/LOCATION ADDRESS
MFG/INST (1) 25' ILLUMINATED DOUBLE POLE SIGN	7/21/10	CTL	MAVERIK 2948 "F" ROAD GRAND JUNCTION, CO

OGDEN DIVISION
2767 Industrial Drive
Ogden, UT 84401
801-621-4710
801-399-9648 Fax



© THIS DRAWING WAS CREATED TO ASSIST YOU IN VISUALIZING OUR PROPOSAL. THE ORIGINAL DETAILS HEREIN ARE THE PROPERTY OF YESCO. PERMISSION TO COPY OR REUSE THIS DRAWING CAN ONLY BE OBTAINED THROUGH A WRITTEN AGREEMENT WITH YESCO. SEE YOUR SALES REPRESENTATIVE OR CALL THE NEAREST OFFICE OF YESCO FOR FURTHER INFORMATION.

Structural Engineering
Maverik

Freestanding, two column sign, 25'-0" OAH

General Structural Notes:

Governing Building Code: **IBC 2006**

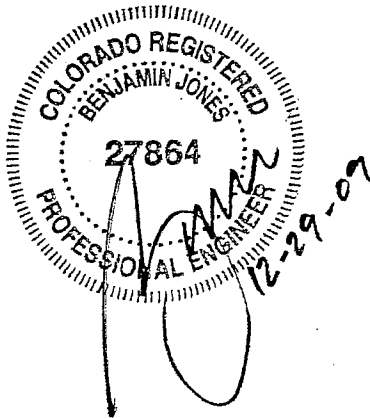
Dead: 10 psf
Live: N/A psf
Snow: N/A psf, flat roof
Wind: Basic wind speed = 90 mph, 3 second gust
Exposure = C, urban, suburban
Importance Factor = 1.0
Seismic: < Wind

Index to Calculations:

Title	1
Material Notes	2
Column Design	3
Footing Design	4
Drawing	5

Young Electric Sign Company

Corporate Engineering
2401 Foothill Dr
Salt Lake City, UT 84109
801-464-4600



MATERIALS

Project: *Maverik*

Descript: *Freestanding, two column sign, 25'-0" OAH*

Structural Steel

All shapes and plates: **ASTM A36**, except as noted otherwise

Pipe: **ASTM A53 GR B**, $F_y=35$ ksi

Welding Electrodes: **E70XX** filler steel

Bolts: **ASTM A325N** (with hardened washers)

Concrete

Compressive Strength: $f'_c = 2500$ psi at 28 days min.

Cement: **Type II**, portland standard

Soil

Type: **Clayey sand**, type 4

Allowable Foundation Pressure: **2000 psf** with increases

Lateral Bearing: **150 psf /ft** with increases

SIGN COLUMN DESIGN

Project: *Maverik*

Descript: *Freestanding, two column sign, 25'-0" OAH*

Ref: *Steel Construction Manual, 13th Edition, ASD*

Areas Subject to Wind Forces		Basic Wind Speed: .90		Exposure: C		
Description	Height (s) (ft)	Width (B) (ft)	Area (sqft)	Centroid (ft)	Top (h) (ft)	Wind (psf)
1) top sign cabinet	4.670	9.340	43.618	21.920	24.750	25.44
2) top cross beam	0.670	9.340	6.258	19.375	19.500	24.86
3) price signs	6.080	9.340	56.787	15.458	18.500	23.93
4) bottom cross beam	0.670	10.000	6.700	12.000	12.340	23.53
5) (2) 10" pipe columns	25.000	1.670	41.750	12.500	25.000	25.49
6)						
7)						
8)						

Calculation of Design Forces at Critical Heights

y (ft)	M (kip ft)	M (kip in)	V (kips)
@ grade	63.533	762.390	3.846
25.00			

Column Support Design Table

NOTE: Use actual O.D. and t only

Pipes - $F_y = 35$ ksi, Tubes - $F_y = 46$ ksi

# of Cols	Column Type (P, TS)	Column Size	Length (ft)	Start Elev (ft)	End Elev (ft)	Sleeve Depth (in)	M req with P- Δ (kip ft)	M all (kip ft)
2	P	10" Sch40	30.00	-5.00	25.00	N/A	64	129

LATERAL BEARING PIER AND CAISSON FOOTINGS

Project: *Maverik*

Descript: *Freestanding, two column sign, 25'-0" OAH*

Ref: *IBC 2006*

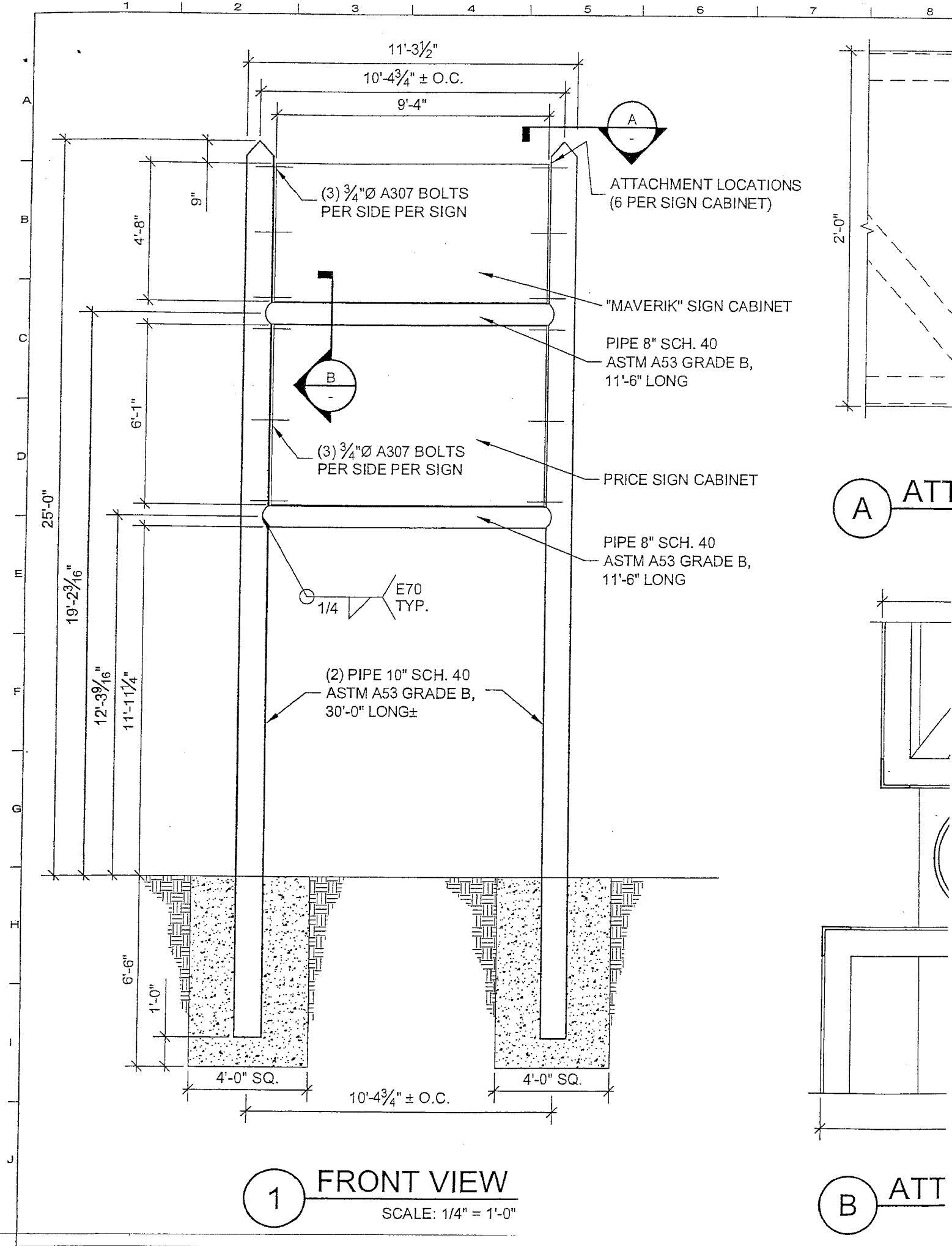
# Footings=	2	Moment/Footing, M=	32,084	lb-ft
Pass lat soil res, q=	150 psf	Shear/Footing, P=V=	3,846	lb
		Composite Centroid, h=	8.34	ft

Unconstrained Rectangular Pier

Width, W=	4.0	ft, parallel to sign face
Length, L=	4.0	ft, perpendicular to sign face
Depth, D= $(A/2)(1 + \text{SQR}(1 + (4.36h)/A))=$	6.2	ft

Actual Depth, D= ft

S1= $(2)(q)(D/3)=$	630	psf
b= $\text{Sqrt}(W^2 + L^2)=$	5.7	ft
A= $(2.34)(P) / (S1)(b)=$	2.5	



GENERAL NOTES

DESIGN CRITERIA

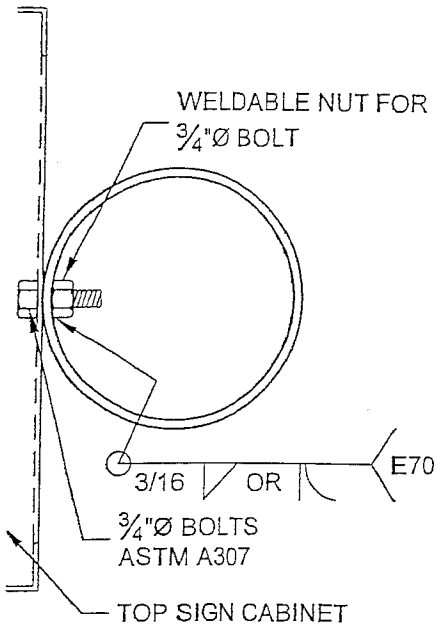
1. BUILDING CODE: IBC 2006
2. DEAD LOAD: SIGN CABINETS <= 10 PSF FRONT ELEVATION AREA
3. WIND LOAD: V = 90 MPH (3 SECOND GUST), EXPOSURE C
4. SEISMIC LOAD: < WIND

STRUCTURAL STEEL

5. ANGLES: ASTM A36, FY = 36 ksi
6. ROUND PIPE: ASTM A53 B, FY = 35 ksi
7. BOLTS: ASTM A307, BEARING TYPE CONNECTION
8. WELDING ELECTRODES: E 7018, LOW HYDROGEN, MIN FILLET $\frac{3}{16}$ " U.N.O.

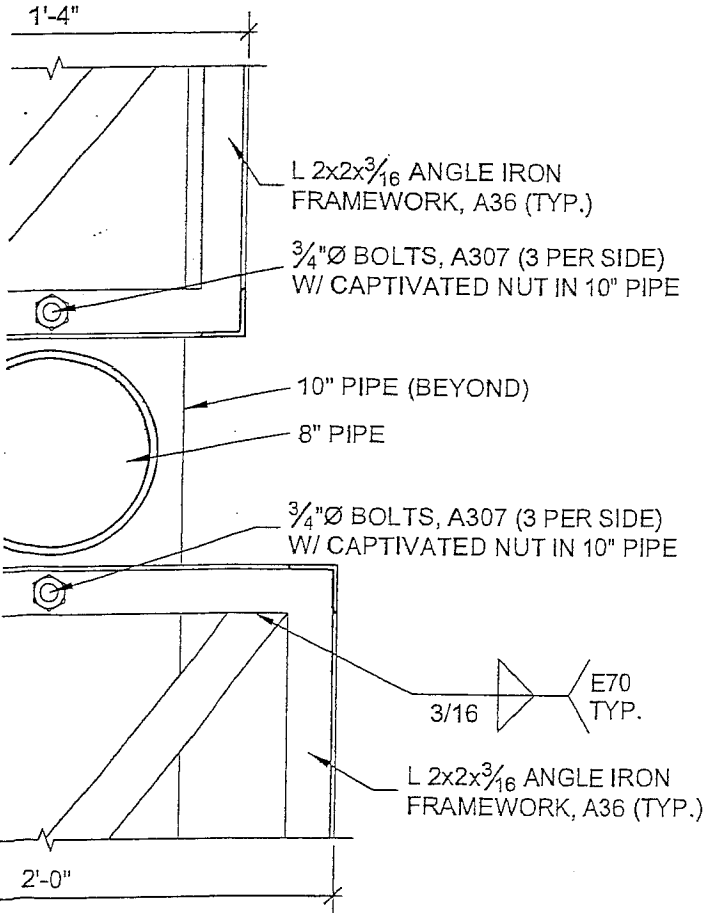
FOUNDATION

9. CONCRETE COMPRESSIVE STRENGTH, $f'c$ = 2500 PSI AT 28 DAYS MIN.
10. CONCRETE POURED AGAINST UNDISTURBED NATIVE SOILS
11. SOIL ALLOWABLE LATERAL BEARING CAPACITY = 150 PSF/FT



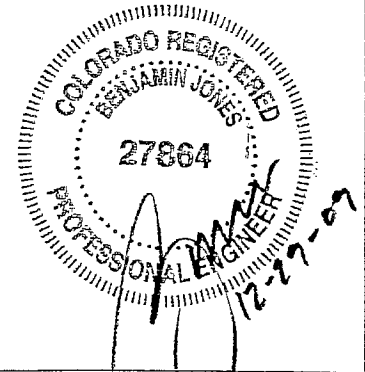
ATTACHMENT DETAIL

SCALE: 1-1/2" = 1'-0"



ATTACHMENT DETAIL

SCALE: 1-1/2" = 1'-0"



CORPORATE OFFICE
2401 FOOT-HILL DRIVE
SALT LAKE CITY, UT 84109
801.464.4600 TELEPHONE
801.483.0998 FAX
WWW.YESCO.COM

NO:	DATE:	REVISION:
1		
2		
3		
4		
5		

YESCO. Engineering

JOB NAME: MAVERIK
LOCATION:
ORG. DATE: DRAWN BY: CARL CHECKED BY: BJ

6004195
DESIGN NUMBER

WO NUMBER