



**DESIGN-BUILD REPLACEMENT OUTDOOR DIGITAL SIGNAGE
LYNX CENTRAL STATION
RFP 18-R03
ADDENDUM NUMBER FOUR (4)
DECEMBER 22, 2017**

Clarification:

- 1) **Proposal Due Date:** January 26, 2018, at 2:00 p.m. EST.
- 2) No further questions, exceptions, or extensions will be given.

Request for Proposal (RFP)

- 1) **Question:** Can LYNX extend the Proposal Due Date to January 26? After we receive the responses to questions/clarifications that will be submitted by December 15th, we will need time to evaluate and incorporate them. And we need time to process the Addendum 2 information. Based on Addendum 2 we need to incorporate LYNX branding guidelines in the design, evaluate the Real-Time data feeds from DoubleMap and Tripspark, verify conduit paths for Ethernet cabling, determine if sufficient power is available and evaluate existing power distribution, and evaluate the drawings and plans, etc.. Plus there are several holidays within the current schedule.

Response: The Proposal Due has been extended to January 26, 2018. This is the last extension.

- 2) **Question:** The following questions refer to the Q&A that states that the CMS Server is to be installed on site, but the Price Schedule has a line item for hosting which implies off-site hosting of the CMS.

A. Does LYNX prefer to have the CMS software reside on hardware to be installed at the LYNX Central Station or to have the CMS software hosted by the solution provider?

Response: The solution will depend on what is proposed. If a CMS server is proposed by the Proposer to be housed on site, then it would be located at LYNX Central Station, 455 North Garland Avenue, Orlando, Florida 32801. The specific location would depend on the equipment proposed. If your solution does not require off-site hosting, then you would not need to place a price on this line.

B. Will a separate line be added to the pricing schedule for the CMS Software license?

Response: Yes, if it is applicable.

C. Will a separate line be added to the pricing schedule for the CMS hardware if it is to be installed on site?

Response: Yes, if it is applicable.

D. Will a separate line be added to the pricing schedule for the on-site hardware required for the Digital Signs to communicate with the CMS, whether installed on site or hosted?

Response: Yes, if it is applicable.

- 3) **Question:** The current time, route identification, and departure time can easily be displayed as one line of text. A single-line sign would have to alternate between displaying the departure information and the additional general information. Would LYNX prefer a multi-line sign that could display the departure information on the top line and the additional information on a second line?

Response: The scope requires the departure information and the current time. It also requires the ability to “push” messages to a specific sign, grouping of signs, or all signs. LYNX would prefer a second line to minimize the need to alternate information as much as possible.

- 4) **Question:** The following questions refer to the response to Question 15 which states: the side lights will be removed but the remaining lights, speakers, and security cameras would remain.

A. What are the remaining lights as the only lights visible in the picture are the side lights?

Response: LYNX would like to clarify that there are no lights on the associated displays to remain after installation of the sign. Existing lights to remain are on poles not associated with the route designation signs.

B. There isn't a camera mounted on the sign in the picture. How many signs have cameras?

Response: Bay D and Bay M have a security camera installed at the bottom of the existing sign structure. These are the only two bays with cameras attached to the sign structure.



- 5) **Question:** Will backup power be required for the Digital Signage and if so how much run time will be required?

Response: LYNX Central Station has a backup power generator. Backup power will not be required.

- 6) Does LYNX have Service Level requirements?

Response: LYNX expects the successful Proposer's equipment to remain in service throughout the contract term. A specific service level requirement has not been identified in the scope. The Proposer is to supply warranty service to ensure the equipment remains functional as designed and deployed.

**EXHIBIT L – REVISED – ADDENDUM NUMBER 4
PRICING SCHEDULE**

CLIN 1000	Design-Build LYNX Central Station (LCS) Signage	UNIT Of Measure	Quantity	Unit Cost	Extended Cost
	Digital Signage Equipment	Each	24		
	Single-sided displays (see addendum number 2)	Each	3		
	Installation/Mobilization (All Labor Cost)	Each	1		
	De-installation and Movement of Existing Equipment To Designated Location	Each	1		
	Design/Plans	Each	1		
	Repair/Misc. Construction Services (supplies, materials, repair labor, etc.)	Each	1		
Turn Key Proposal					

Please Note: Proposer may submit additional documents to support their pricing structure, however, only this document will be accepted as the official pricing proposal.

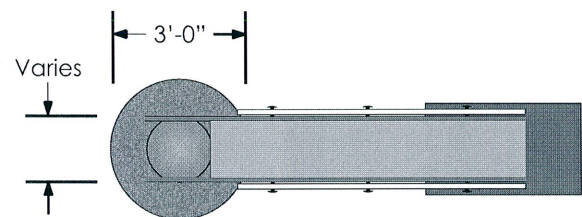
CLIN 1001	Design-Build LYNX Central Station (LCS) Signage	UNIT Of Measure	Quantity	Unit Cost	Extended Cost
	Extended Warranty	Years			
	Preventative Maintenance/Repair Services	5 Years	1		
	Annual Hosting Fees For The CMS – If Applicable	Each	1		
	CMS Software License – If Applicable	Each	1		
	Installation of CMS Hardware – If Applicable	Each	1		
	Other Fees Associated with Ongoing Support/Maintenance	Each			

Please Note: Extended Warranty and Preventative Maintenance/Repair Services may be awarded as a part of this contract. However, this information will not be used to determine the pricing component for the evaluation.

Signature of Proposer's Authorized Official Date

Name of Proposer's Authorized Official

Title of Proposer's Authorized Official

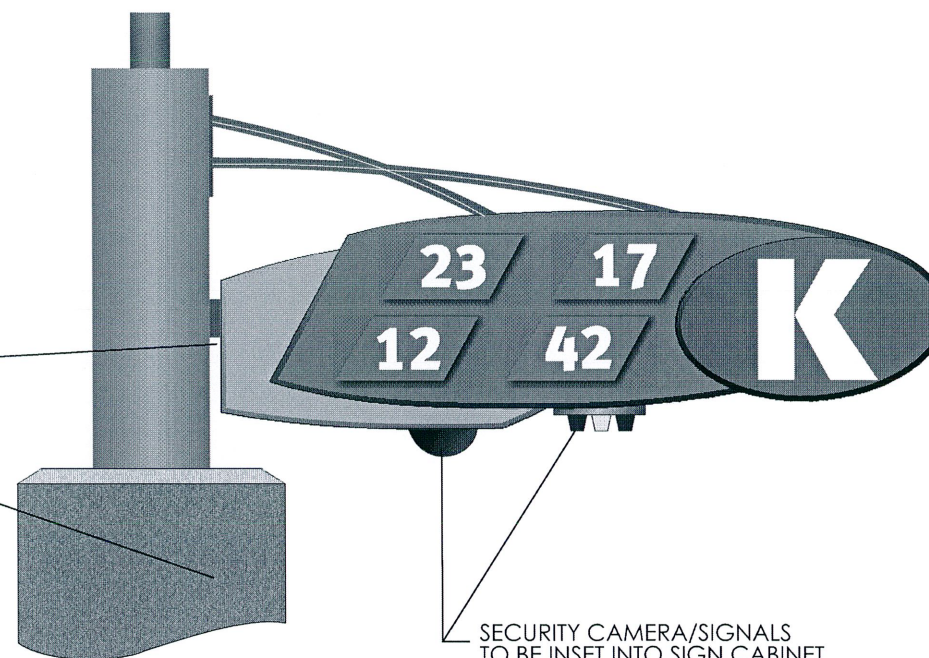


Top View

G-35 1/4" = 1'-0"

SEE SHEET 35.1 FOR CONSTRUCTION INFORMATION

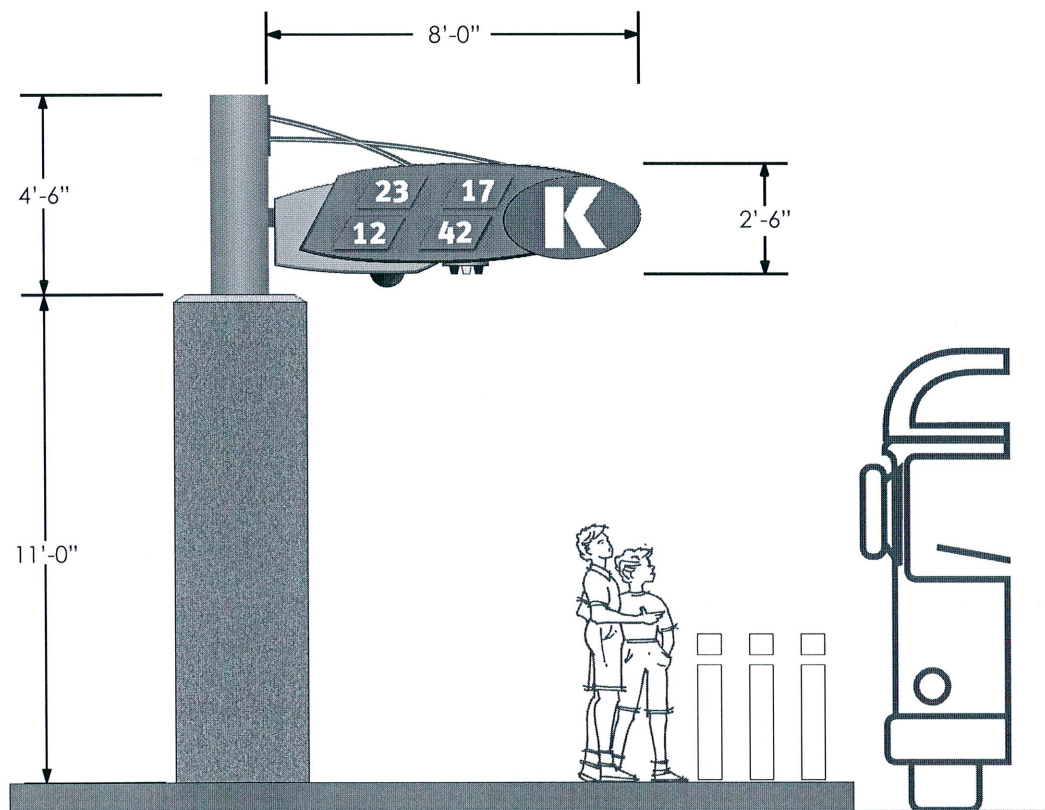
5 ELECTRICAL/ COMMUNICATIONS CONDUITS. 2/20AMP ELECTRICAL CIRCUITS, PROVIDED BY G.C. TIMER CONTROL LOCATION TO BE CONFIRMED BY COMMUNICATIONS CONTRACTOR.



Enlarged View

G-35 1/2" = 1'-0"

SECURITY CAMERA/SIGNALS TO BE INSET INTO SIGN CABINET. TO BE PROVIDED BY COMMUNICATIONS CONTRACTOR.



Installation Location at Crosswalk

G-35 1/4" = 1'-0"

GENERAL NOTES:

METHOD OF FABRICATION: Aluminum fabrication/ H.P vinyl graphics.

METHOD OF LIGHTING: Control spot illumination from ceiling above, by others.

MATERIALS: Aluminum and H.P vinyl graphics

ATTACHMENT METHOD: Field welded, Note! Column sizes vary.

SIGNAL LIGHTING: SIGNAL LIGHTING TO BE MADE UP OF THREE LIGHTS INSTALLED INTO BOTTOM OF SIGN CABINET AND SERVE AS AN AID TO THE BUS DRIVERS. THE THREE LIGHTS; RED, GREEN, AMBER, WILL CHANGE COLORS DURING BUS OPERATING (BOTH DAY ANDNIGHT HOURS).

THE SPECS IS AS FOLLOWS:
TYPE "YA" IO LIGHTING #O.01.15.100.3.0
TYPE "YG" IO LIGHTING #O.01.13.100.3.0
TYPE "YR" IO LIGHTING #O.01.12.100.3.0

LIGHT HOUSING TO BE A SATIN ALUMINUM FINISH WITH A CUBE LENS INSERT.

SIGN LOC.	QTY:	SIGN TYPE:	COPY:	WEIGHT:
G-26	1		Bus Bay A	Est.. 350 LBS
G-27	1		Bus Bay B	Est.. 350 LBS
G-28	1		Bus Bay C	Est.. 350 LBS
G-29	1		Bus Bay D	Est.. 350 LBS
G-30	1		Bus Bay E	Est.. 350 LBS
G-31	1		Bus Bay F	Est.. 350 LBS
G-32	1		Bus Bay G	Est.. 350 LBS
G-33	1		Bus Bay H	Est.. 350 LBS
G-34	1		Bus Bay J	Est.. 350 LBS
G-35	1		Bus Bay K	Est.. 350 LBS
G-36	1		Bus Bay L	Est.. 350 LBS
G-37	1		Bus Bay M	Est.. 350 LBS
G-38	1		Bus Bay N	Est.. 350 LBS
G-39	1		Bus Bay P	Est.. 350 LBS
G-40	1		Bus Bay Q	Est.. 350 LBS
G-41	1		Bus Bay R	Est.. 350 LBS
G-42	1		Bus Bay S	Est.. 350 LBS
G-43	1		Bus Bay T	Est.. 350 LBS
G-44	1		Bus Bay U	Est.. 350 LBS
G-45	1		Bus Bay V	Est.. 350 LBS
G-46	1		Bus Bay W	Est.. 350 LBS
G-47	1		Bus Bay X	Est.. 350 LBS
G-48	1		Bus Bay Y	Est.. 350 LBS
G-49	1		Bus Bay Z	Est.. 350 LBS

COLOR SPECIFICATION:

PMS# Cool gray 2U	PMS# 376 U
PMS# Cool gray 5U	White

Fabricator must use actual Pantone color specifier book for exact color match.

INTERNATIONAL SIGN & DESIGN
10831 CANAL ST., LARGO, FL. 33777 PHONE (727) 541-5573
FAX (727) 544-7745 WWW.INTERNATIONALSIGN.COM

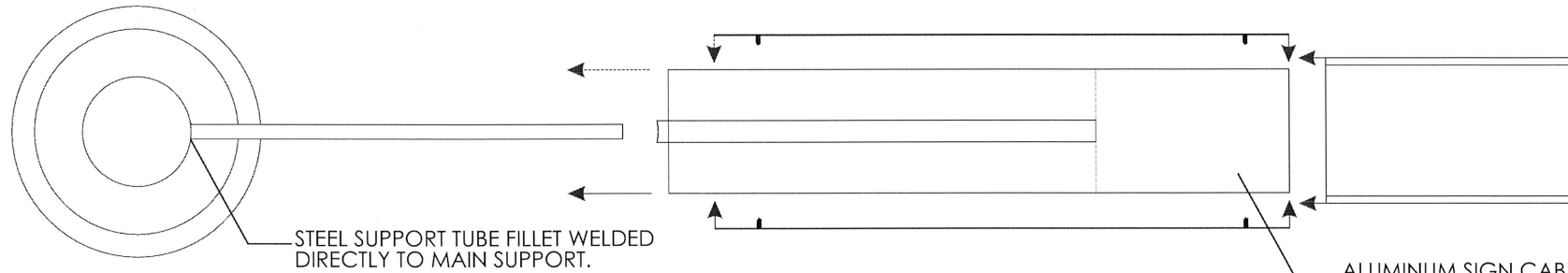
UL REQUIRED
URGENT - ATTN: ELECTRICIANS
NEW IUL 2161 GFI SIGN TRANSFORMER
REQUIRE THAT ALL CIRCUITS MUST HAVE
DEDICATED HOT, NEUTRAL, GROUND
TERMINATING AT PANEL.
QUESTIONS: CALL ISD CORP. 1-800-780-7446

LYNX
ORLANDO, FL

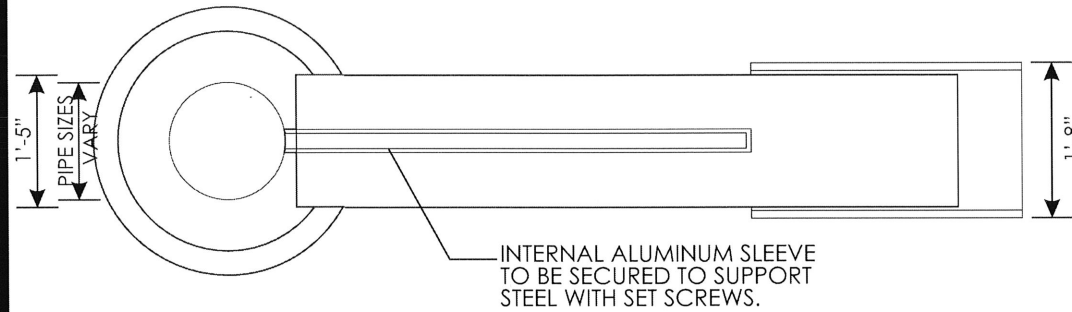
SCALE: AS NOTED
DRAWN BY: J. MUHRLEN
REVISION DATE: A-

ORIGINAL DATE DRAWN: JUNE 3, 2004
SALES PERSON: TOM KITCHELL
DRAWING NUMBER: G-35

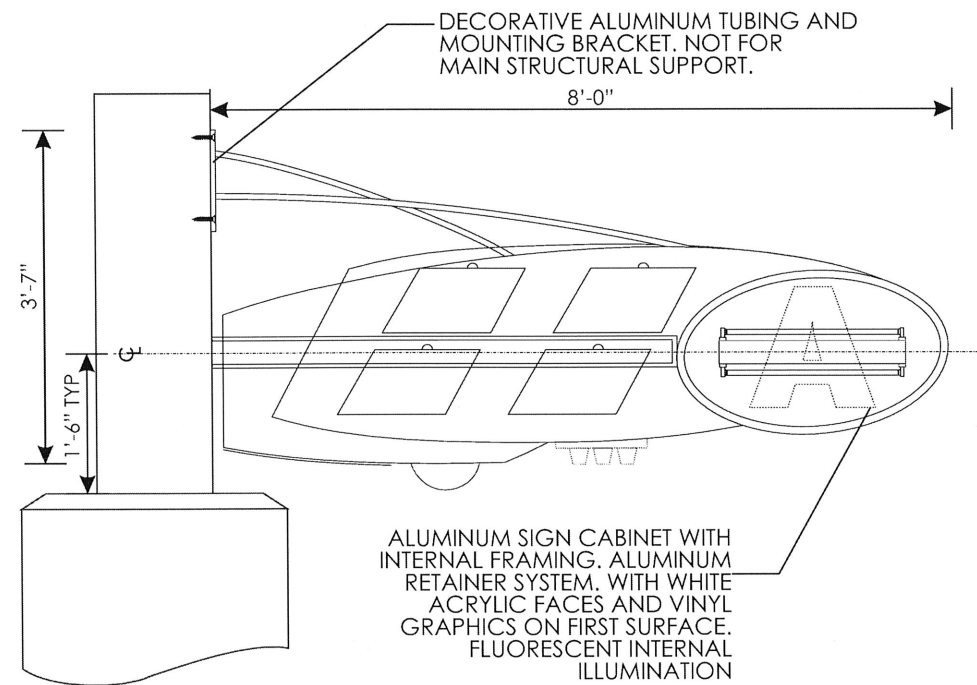
G-36.1



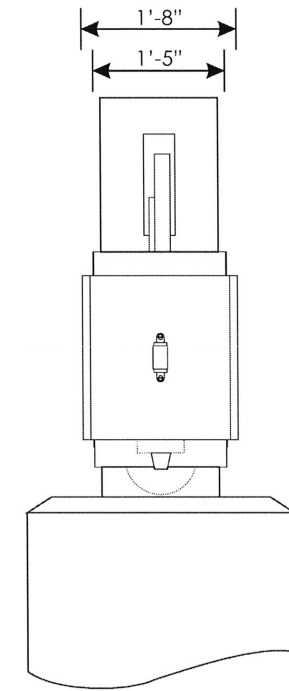
G-36.1 ATTACHMENT
1/2"-1'-0"



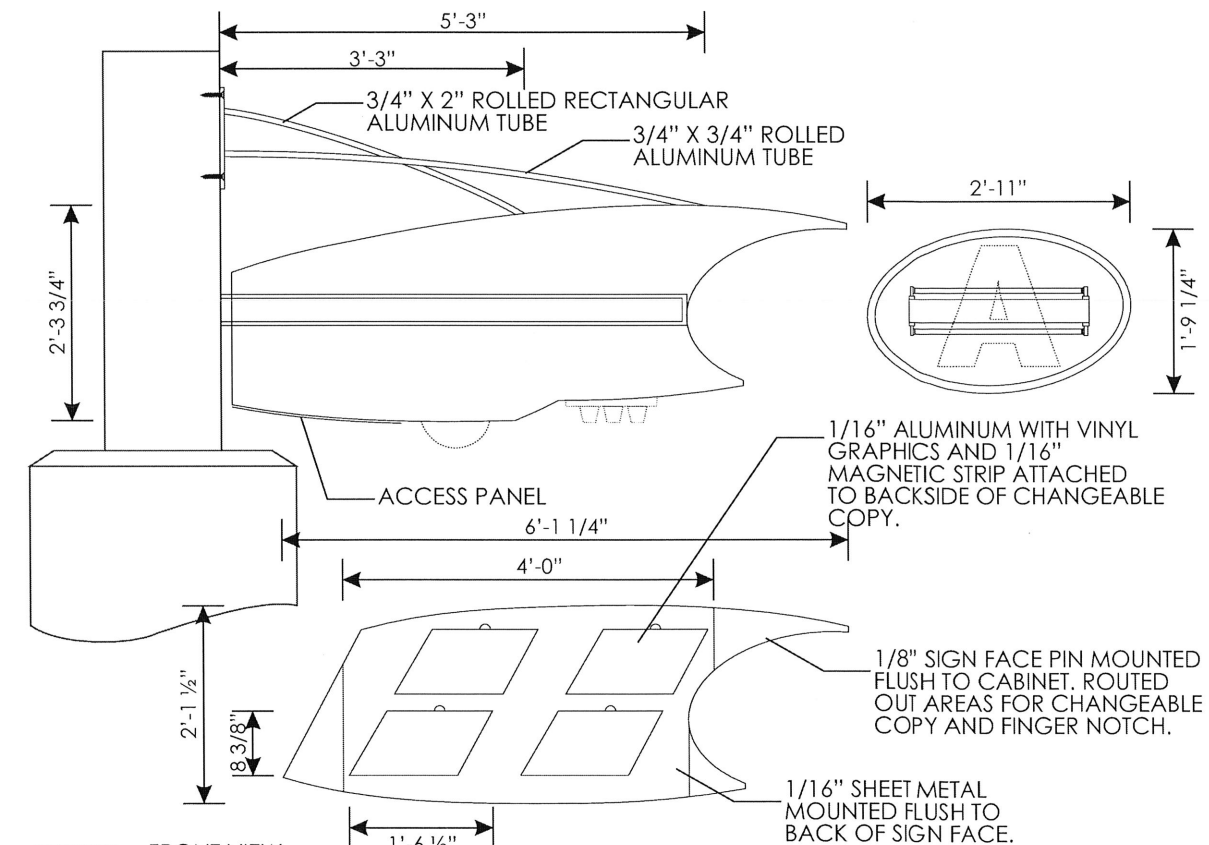
G-36.1 PLAN VIEW
1/2"-1'-0"



G-36.1 FRONT VIEW
1/2"-1'-0"



G-36.1 SIDE VIEW
1/2"-1'-0"



G-36.1 FRONT VIEW
1/2"-1'-0"

INTERNATIONAL SIGN & DESIGN
10831 CANAL ST., LARGO, FL 33777 PHONE (727) 541-5573
FAX (727) 544-7745 WWW.INTERNATIONALSIGN.COM

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NEW UL 2161 GF SIGN TRANSFORMER
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LYNX
ORLANDO, FL

ORIGINAL DATE DRAWN: JUNE 3, 2004
SCALE: AS NOTED
SALES PERSON: TOM KITCHELL
DRAWN BY: J. MUHRLIN
REVISION DATE: A-
DRAWING NUMBER: G-36.1

General Information:

=====
 File Name: D:\LYNX\COLUMNS\1FLOOR~1\1-L7-LF.COL
 Project: LYNX
 Column: 1 FLR:L7-LF Engineer: CARLOS
 Code: ACI 318-95 Units: English

 Run Option: Design Slenderness: Considered
 Run Axis: X-axis Column Type: User-defined

Material Properties:

=====
 f'c = 5 ksi fy = 60 ksi
 Ec = 4030.51 ksi Es = 29000 ksi
 fc = 4.25 ksi Rupture strain = Infinity
 Ultimate strain = 0.003 in/in
 Beta1 = 0.8

Section:

=====
 Rectangular: Width = 20 in Depth = 20 in

 Gross section area, Ag = 400 in^2
 Ix = 13333.3 in^4 Iy = 13333.3 in^4
 Xo = 0 in Yo = 0 in

Reinforcement:

=====
 Rebar Database: ASTM A615

Size	Diam (in)	Area (in^2)	Size	Diam (in)	Area (in^2)	Size	Diam (in)	Area (in^2)
# 3	0.38	0.11	# 4	0.50	0.20	# 5	0.63	0.31
# 6	0.75	0.44	# 7	0.88	0.60	# 8	1.00	0.79
# 9	1.13	1.00	# 10	1.27	1.27	# 11	1.41	1.56
# 14	1.69	2.25	# 18	2.26	4.00			

Confinement: Tied; #4 ties with #10 bars, #4 with larger bars.
 phi(a) = 0.8, phi(b) = 0.9, phi(c) = 0.7

Layout: Rectangular
 Pattern: All Sides Equal (Cover to transverse reinforcement)
 Total steel area, As = 18.72 in^2 at 4.68%
 12 #11 Cover = 1.5 in

Slenderness:

=====
 Sway Criteria:

 X-axis: Braced column.

Column Axis	Height ft	Width in	Depth in	I in^4	f'c ksi	Ec ksi
Design X	18.25	20	20	13333.3	5	4030.51
Above X	15	20	20	13333.3	5	4030.51
Below X	(no column specified...)					

X-Beams Location	Length ft	Width in	Depth in	I in^4	f'c ksi	Ec ksi
Above Left	24.83	30	21	23152.5	4	3834.25
Above Right	25	30	21	23152.5	4	3834.25
Below Left	(no beam specified...)					
Below Right	(no beam specified...)					

Effective Length Factors:

Axis	Psi(top)	Psi(bot)	k(Braced)	k(Sway)	klu/r
X	1.794	999.000	0.940	(N/A)	35.64

Moment Magnification Factors:

Stiffness reduction factor, $\phi(K) = 0.75$

Cracked-section coefficients: $cI(\text{beams}) = 0.35$; $cI(\text{columns}) = 0.7$

$0.2 * E_c * I_g + E_s * I_{se} \text{ (X-axis)} = 3.11e+007 \text{ kip-in}^2$

X-axis Ld/Comb	Pc(kip)	Braced			Sway	
		Betad	Cm	Delta	Pc(kip)	Delta
1 U1	4101	0.766	0.600	1.172	N/A	N/A
U2	3583	1.022	0.600	1.033	N/A	N/A
U3	3104	1.333	0.600	1.000	N/A	N/A

Load Combinations:

- U1 = 1.400*Dead + 1.700*Live + 0.000*Lateral
- U2 = 1.050*Dead + 1.275*Live + 1.275*Lateral
- U3 = 1.050*Dead + 0.000*Live + 1.275*Lateral

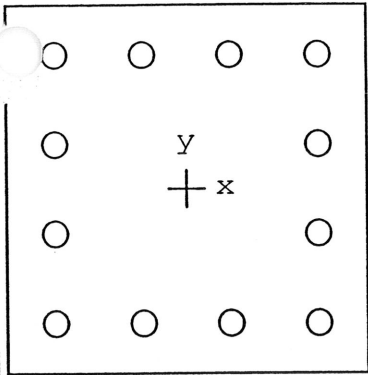
Service Loads:

No.	Case	Load	Axial Load kip	Mx @ Top k-ft	Mx @ Bot k-ft	My @ Top k-ft	My @ Bot k-ft
1	Dead		821.3	-39.0	0.0	0.0	0.0
	Live		206.4	-42.0	0.0	0.0	0.0
	Latl		0.0	0.0	0.0	0.0	0.0

Factored Loads and Moments with Corresponding Capacities: (see user's manual for notation)

No.	Combo	Load	Pu kip	Mux k-ft	fMnx k-ft	fMn/Mu
1	1 U1		1500.7	175.9	245.8	1.398
2	U2		1125.5	116.2	398.3	3.427
3	U3		862.4	86.2	472.4	5.478

*** Program completed as requested! ***



20 x 20 in

Code: ACI 318-95

Units: English

Run axis: About X-axis

Run option: Design

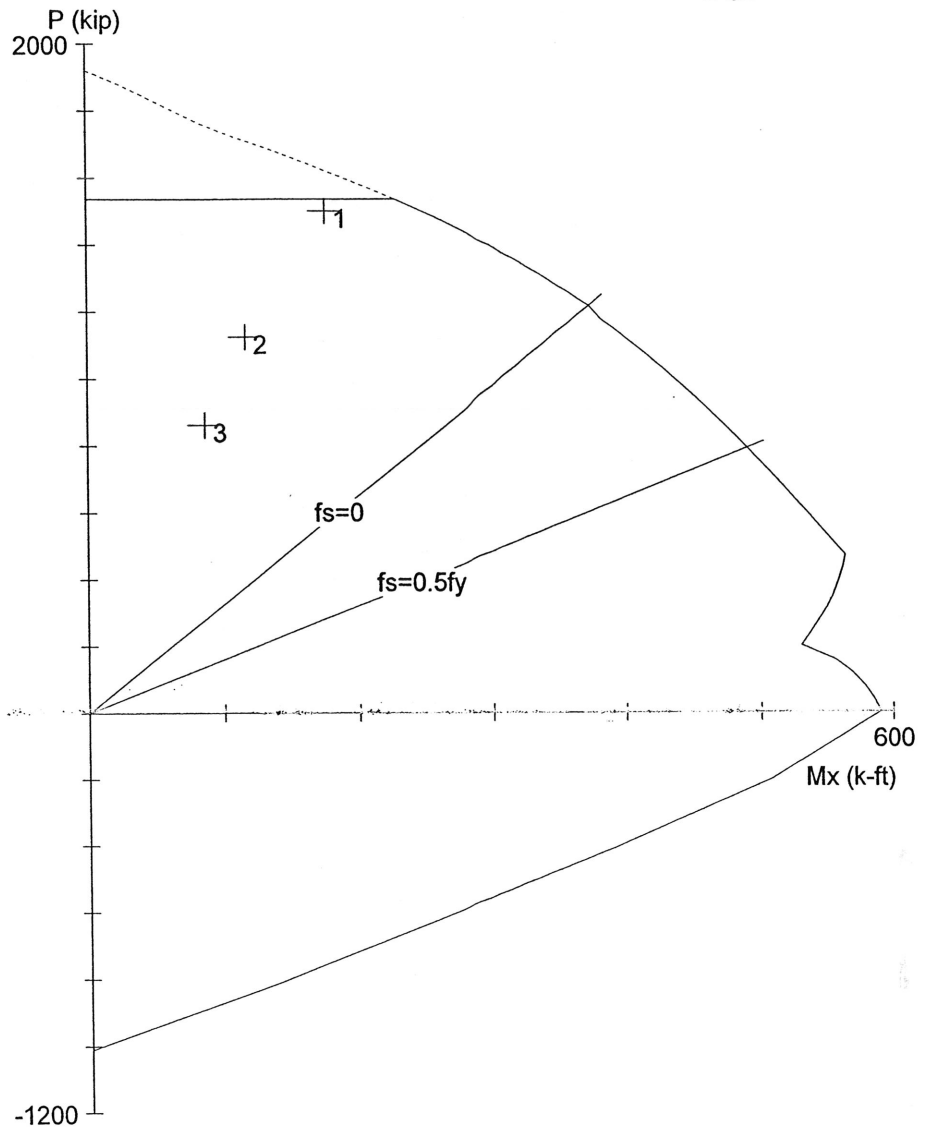
Slenderness: Considered

Column type: User-defined

Bars: ASTM A615

Date: 08/27/02

Time: 16:53:09



PCACOL V3.00 (PCA 1999) - Licensed to: ADVANCED STRUCTURAL ENGINEERING, WINTER PARK, FL

File: D:\LYNX\COLUMNS\1FLOOR~1\1-L7-LF.COL

Project: LYNX

Column: 1 FLR:L7-LF

Engineer: CARLOS

$f_c = 5$ ksi

$f_y = 60$ ksi

$A_g = 400$ in²

12 #11 bars

$E_c = 4031$ ksi

$E_s = 29000$ ksi

$A_s = 18.72$ in²

$Rho = 4.68\%$

$f_c = 4.25$ ksi

$e_{rup} = \text{Infinity}$

$X_o = 0.00$ in

$I_x = 13333.3$ in⁴

$e_u = 0.003$ in/in

$Y_o = 0.00$ in

$I_y = 13333.3$ in⁴

$Beta_1 = 0.8$

Clear spacing = 3.45 in

Clear cover = 2.00 in

Confinement: Tied

$\phi(a) = 0.8, \phi(b) = 0.9, \phi(c) = 0.7$

$k_x(\text{braced}) = 0.939707, k_x(\text{sway}) = \text{N/A}$