

GENERAL NOTES AND SPECIFICATIONS

- GOVERNING CODES:
INTERNATIONAL BUILDING CODE 2006
INTERNATIONAL BUILDING CODE 2006
CALIFORNIA BUILDING CODE 2006
FLORIDA BUILDING CODE 2007
- DESIGN LOADS:
DEAD LOAD: Minimum 2 LB/FT
Minimum 200 PPF
Minimum 1.25 LB/FT
WIND LOAD: See PERM HXV (2) SEC. 6.0.1.1 EXPOSURE C
SEISMIC: 5-20
7.5.1 PPF
20.20
- RESTRICTIONS:
THE BOTTOM POLE SUPPORT BRACE CONNECTION FOUNDATION AND ANCHORAGE ARE NOT A PART OF THE SCOPE OF WORK AND SHALL BE DESIGNED PER LOCAL ENGINEERING REQUIREMENTS. CONTACT STC FOR ENGINEER SEALED BITE SPECIFIC CALCULATIONS.
- LIMITATIONS:
THE DESIGN AND CONSTRUCTION OF THE SIGN SIGN CONFORM TO THE ABOVE GOVERNING CODES, WHEN APPLICABLE AS SPECIFIED IN THIS DRAWING. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED. ANY ALTERATION OF THIS DRAWING WILL VOID THE SHEET. THIS SHEET IS VALID ONLY IF IT INCLUDES A MET SIGNATURE BY THE ENGINEER OF RECORD.
DO NOT INTERPRET THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF STRUCTURAL TECHNOLOGY CONSULTANTS INC. (STC). THE DRAWING AND SPECIFICATIONS ARE INTENTIVE OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF STC WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS OR FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF STC.
- MATERIALS:
A. ALUMINUM EXTRUSION GRADE 6063-T8.
B. PERM HXV (2) SEC. 6.0.1.1 EXPOSURE C.
C. RUST PROTECTANT AS SPECIFIED.
D. BOLT STEEL A307 ASB.
E. PROVIDE ISOLATION OF DISSIPILAR MATERIALS FOR ALL ALUMINUM TO BE IN CONTACT WITH STEEL.
F. SIGN PANELS SHALL BE APPROVED BY UNDERWRITERS LABORATORY. USE ONLY APPROVED PASTORS.
- WORKMANSHIP:
ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE GOVERNING CODE AND THE LOCAL BUILDING OFFICIAL.
- WELDING:
STEEL WELDING: ALL WELDING SHALL BE PERFORMED BY A/C CERTIFIED WELDER USING E70 ELECTRODES OR HIBED AND APPROVED SYSTEMS AND PROCEDURES.
ALUMINUM WELDING: ALL WELDING TO CONFORM TO AWS D12 / D12M: 2009 STRUCTURAL ALUMINUM WELDING CODE.
- NOTES:
SIGN MATERIALS SHALL VARY THAT BITE CONDITIONS ARE CONSISTENT WITH THESE DRAWINGS PER LOCAL BUILDING OFFICIAL. NOTIFY ENGINEER OF RECORD IMMEDIATELY IF BITE CONDITIONS VARY FROM THESE DRAWINGS.
5. ADDITIONAL ENGINEERING
BITE SPECIFIC CALCULATIONS CAN BE PROVIDED BY STRUCTURAL TECHNOLOGY CONSULTANTS. CONTACT STC AT (858) 594-9282.

GENERAL NOTES

PERIMETER EXTRUSION PROPERTIES

AREA = 21.02 in²

X-X AXIS: I_x = 6.856 in⁴, S_x = 1.844 in, r_x = 0.473 in, I_y = 6.856 in⁴, S_y = 1.844 in, r_y = 0.473 in

Y-Y AXIS: I_y = 6.856 in⁴, S_y = 1.844 in, r_y = 0.473 in, I_x = 6.856 in⁴, S_x = 1.844 in, r_x = 0.473 in

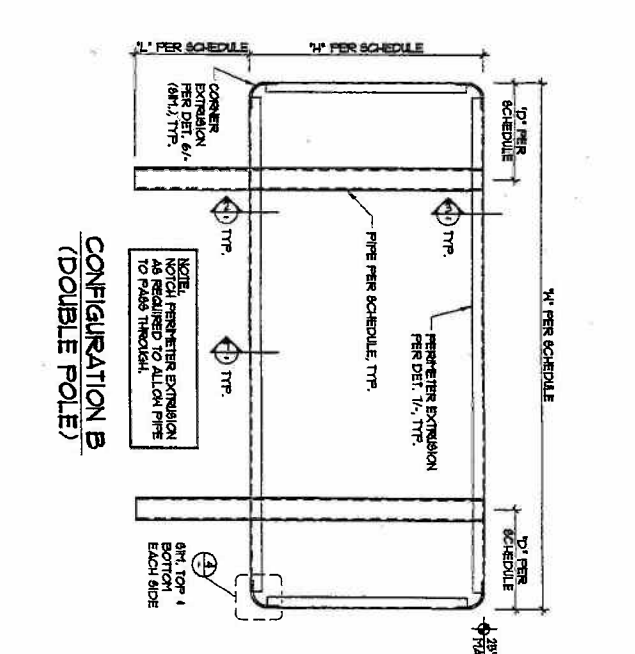
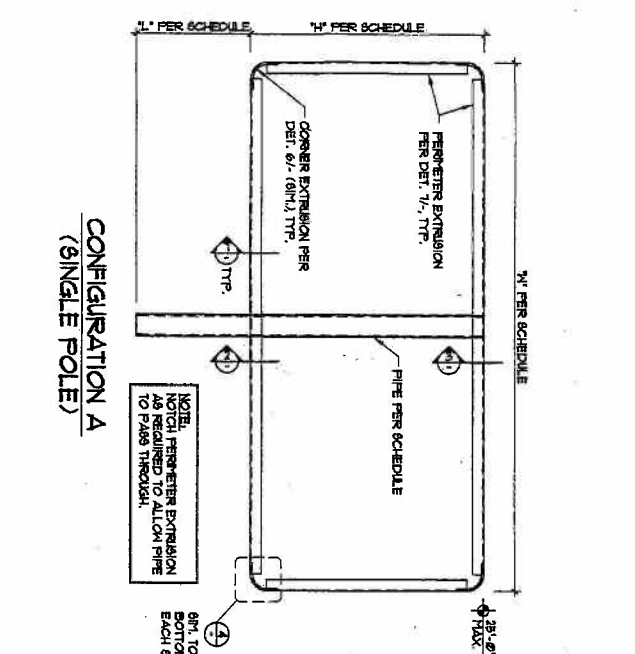
WIND LOADS: WIND SPEED (3 SEC. 6.0.1.1 EXPOSURE C)
PERM HXV (2) SEC. 6.0.1.1 EXPOSURE C
SEISMIC: 5-20
7.5.1 PPF
20.20

DESIGNER: DUANE J. GEE, REGISTERED PROFESSIONAL ENGINEER, STATE OF ARIZONA, LICENSE NO. 14218

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SIGN SCHEDULE

ROW	ROW SIZE (ROW)	ROW COMPANION	PIPE SIZE	PIPE EXTENSION LENGTH L	SPACE DISTANCE D
A	2'x8'	A	3/4\" X-STROKES (1.0230)	70"	N/A
B	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
C	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
D	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
E	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
F	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
G	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
H	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
I	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
J	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
K	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
L	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
M	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
N	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
O	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
P	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
Q	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
R	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
S	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
T	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
U	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
V	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
W	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
X	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
Y	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A
Z	2'x8'	A	3/4\" X-STROKES (1.0230)	20"	N/A

TYPICAL SPLICE BELOW CABINET

FACE 1-22 WIND LOAD (MOST CASE)

NOTE: CASE ASPECT RATIO 2:1:2:1

ALL UNITS LB. FT. PER INCH UNLESS NOTED OTHERWISE

6.5.14 F₁ = 0.0025 V₁₀² K_z K_d K_e K_f K_g K_h K_i K_j K_l K_m K_n K_o K_p K_q K_r K_s K_t K_u K_v K_w K_x K_y K_z K_{aa} K_{ab} K_{ac} K_{ad} K_{ae} K_{af} K_{ag} K_{ah} K_{ai} K_{aj} K_{ak} K_{al} K_{am} K_{an} K_{ao} K_{ap} K_{aq} K_{ar} K_{as} K_{at} K_{au} K_{av} K_{aw} K_{ax} K_{ay} K_{az} K_{ba} K_{bb} K_{bc} K_{bd} K_{be} K_{bf} K_{bg} K_{bh} K_{bi} K_{bj} K_{bk} K_{bl} K_{bm} K_{bn} K_{bo} K_{bp} K_{bq} K_{br} K_{bs} K_{bt} K_{bu} K_{bv} K_{bw} K_{bx} K_{by} K_{bz} K_{ca} K_{cb} K_{cc} K_{cd} K_{ce} K_{cf} K_{cg} K_{ch} K_{ci} K_{cj} K_{ck} K_{cl} K_{cm} K_{cn} K_{co} K_{cp} K_{cq} K_{cr} K_{cs} K_{ct} K_{cu} K_{cv} K_{cw} K_{cx} K_{cy} K_{cz} K_{da} K_{db} K_{dc} K_{dd} K_{de} K_{df} K_{dg} K_{dh} K_{di} K_{dj} K_{dk} K_{dl} K_{dm} K_{dn} K_{do} K_{dp} K_{dq} K_{dr} K_{ds} K_{dt} K_{du} K_{dv} K_{dw} K_{dx} K_{dy} K_{dz} K_{ea} K_{eb} K_{ec} K_{ed} K_{ee} K_{ef} K_{eg} K_{eh} K_{ei} K_{ej} K_{ek} K_{el} K_{em} K_{en} K_{eo} K_{ep} K_{eq} K_{er} K_{es} K_{et} K_{eu} K_{ev} K_{ew} K_{ex} K_{ey} K_{ez} K_{fa} K_{fb} K_{fc} K_{fd} K_{fe} K_{ff} K_{fg} K_{fh} K_{fi} K_{fj} K_{fk} K_{fl} K_{fm} K_{fn} K_{fo} K_{fp} K_{fq} K_{fr} K_{fs} K_{ft} K_{fu} K_{fv} K_{fw} K_{fx} K_{fy} K _{fz} K_{ga} K_{gb} K_{gc} K_{gd} K_{ge} K_{gf} K_{gg} K_{gh} K_{gi} K_{gj} K_{gk} K_{gl} K_{gm} K_{gn} K_{go} K_{gp} K_{gq} K_{gr} K_{gs} K_{gt} K_{gu} K_{gv} K_{gw} K_{gx} K_{gy} K_{gz} K_{ha} K_{hb} K_{hc} K_{hd} K_{he} K_{hf} K_{hg} K_{hh} K_{hi} K_{hj} K_{hk} K_{hl} K_{hm} K_{hn} K_{ho} K_{hp} K_{hq} K_{hr} K_{hs} K_{ht} K_{hu} K_{hv} K_{hw} K_{hx} K_{hy} K_{hz} K_{ia} K_{ib} K_{ic} K_{id} K_{ie} K_{if} K_{ig} K_{ih} K_{ii} K_{ij} K_{ik} K_{il} K_{im} K_{in} K_{io} K_{ip} K_{iq} K_{ir} K_{is} K_{it} K_{iu} K_{iv} K_{iw} K_{ix} K_{iy} K_{iz} K_{ja} K_{jb} K_{jc} K_{jd} K_{je} K_{jf} K_{jj} K_{jk} K_{jl} K_{jm} K_{jn} K_{jo} K_{jp} K_{jq} K_{jr} K_{js} K_{jt} K_{ju} K_{jv} K_{jw} K_{jk} K_{jl} K_{jm} K_{jn} K_{jo} K_{jp} K_{jq} K_{jr} K_{js} K_{jt} K_{ju} K_{jv} K_{jw} K_{ka} K_{kb} K_{kc} K_{kd} K_{ke} K_{kf} K_{kg} K_{kh} K_{ki} K_{kj} K_{kl} K_{km} K_{kn} K_{ko} K_{kp} K_{kq} K_{kr} K_{ks} K_{kt} K_{ku} K_{kv} K_{kw} K_{kx} K_{ky} K_{kz} K_{la} K_{lb} K_{lc} K_{ld} K_{le} K_{lf} K_{lg} K_{lh} K_{li} K_{lj} K_{lk} K_{ll} K_{lm} K_{ln} K_{lo} K_{lp} K_{lq} K_{lr} K_{ls} K_{lt} K_{lu} K_{lv} K_{lw} K_{lx} K_{ly} K_{lz} K_{ma} K_{mb} K_{mc} K_{md} K_{me} K_{mf} K_{mg} K_{mh} K_{mi} K_{mj} K_{mk} K_{ml} K_{mm} K_{mn} K_{mo} K_{mp} K_{mq} K_{mr} K_{ms} K_{mt} K_{mu} K_{mv} K_{mw} K_{mx} K_{my} K_{mz} K_{na} K_{nb} K_{nc} K_{nd} K_{ne} K_{nf} K_{ng} K_{nh} K_{ni} K_{nj} K_{nk} K_{nl} K_{nm} K_{nn} K_{no} K_{np} K_{nq} K_{nr} K_{ns} K_{nt} K_{nu} K_{nv} K_{nw} K_{nx} K_{ny} K_{nz} K_{oa} K_{ob} K_{oc} K_{od} K_{oe} K_{of} K_{og} K_{oh} K_{oi} K_{oj} K_{ok} K_{ol} K_{om} K_{on} K_{oo} K_{op} K_{oq} K_{or} K_{os} K_{ot} K_{ou} K_{ov} K_{ow} K_{ox} K_{oy} K_{oz} K_{pa} K_{pb} K_{pc} K_{pd} K_{pe} K_{pf} K_{pg} K_{ph} K_{pi} K_{pj} K_{pk} K_{pl} K_{pm} K_{pn} K_{po} K_{pp} K_{pq} K_{pr} K_{ps} K_{pt} K_{pu} K_{pv} K_{pw} K_{px} K_{py} K_{pz} K_{qa} K_{qb} K_{qc} K_{qd} K_{qe} K_{qf} K_{qg} K_{qh} K_{qi} K_{qj} K_{qk} K_{ql} K_{qm} K_{qn} K_{qo} K_{qp} K_{qq} K_{qr} K_{qs} K_{qt} K_{qu} K_{qv} K_{qw} K_{qx} K_{qy} K_{qz} K_{ra} K_{rb} K_{rc} K_{rd} K_{re} K_{rf} K_{rg} K_{rh} K_{ri} K_{rj} K_{rk} K_{rl} K_{rm} K_{rn} K_{ro} K_{rp} K_{rq} K_{rr} K_{rs} K_{rt} K_{ru} K_{rv} K_{rw} K_{rx} K_{ry} K_{rz} K_{sa} K_{sb} K_{sc} K_{sd} K_{se} K_{sf} K_{sg} K_{sh} K_{si} K_{sj} K_{sk} K_{sl} K_{sm} K_{sn} K_{so} K_{sp} K_{sq} K_{sr} K_{ss} K_{st} K_{su} K_{sv} K_{sw} K_{sx} K_{sy} K_{sz} K_{ta} K_{tb} K_{tc} K_{td} K_{te} K_{tf} K_{tg} K_{th} K_{ti} K_{tj} K_{tk} K_{tl} K_{tm} K_{tn} K_{to} K_{tp} K_{tq} K_{tr} K_{ts} K_{tt} K_{tu} K_{tv} K_{tw} K_{tx} K_{ty} K_{tz} K_{ua} K_{ub} K_{uc} K_{ud} K_{ue} K_{uf} K_{ug} K_{uh} K_{ui} K_{uj} K_{uk} K_{ul} K_{um} K_{un} K_{uo} K_{up} K_{uq} K_{ur} K_{us} K_{ut} K_{uu} K_{uv} K_{uw} K_{ux} K_{uy} K_{uz} K_{va} K_{vb} K_{vc} K_{vd} K_{ve} K_{vf} K_{vg} K_{vh} K_{vi} K_{vj} K_{vk} K_{vl} K_{vm} K_{vn} K_{vo} K_{vp} K_{vq} K_{vr} K_{vs} K_{vt} K_{vu} K_{vv} K_{vw} K_{vx} K_{vy} K_{vz} K_{wa} K_{wb} K_{wc} K_{wd} K_{we} K_{wf} K_{wg} K_{wh} K_{wi} K_{wj} K_{wk} K_{wl} K_{wm} K_{wn} K_{wo} K_{wp} K_{wq} K_{wr} K_{ws} K_{wt} K_{wu} K_{wv} K_{ww} K_{wx} K_{wy} K_{wz} K_{xa} K_{xb} K_{xc} K_{xd} K_{xe} K_{xf} K_{xg} K_{xh} K_{xi} K_{xj} K_{xk} K_{xl} K_{xm} K_{xn} K_{xo} K_{xp} K_{xq} K_{xr} K_{xs} K_{xt} K_{xu} K_{xv} K_{xw} K_{xx} K_{xy} K_{xz} K_{ya} K_{yb} K_{yc} K_{yd} K_{ye} K_{yf} K_{yg} K_{yh} K_{yi} K_{yj} K_{yk} K_{yl} K_{ym} K_{yn} K_{yo} K_{yp} K_{yq} K_{yr} K_{ys} K_{yt} K_{yu} K_{yv} K_{yw} K_{yx} K_{yy} K_{yz} K_{za} K_{zb} K_{zc} K_{zd} K_{ze} K_{zf} K_{zg} K_{zh} K_{zi} K_{zj} K_{zk} K_{zl} K_{zm} K_{zn} K_{zo} K_{zp} K_{zq} K_{zr} K_{zs} K_{zt} K_{zu} K_{zv} K_{zw} K_{zx} K_{zy} K_{zz}

LOAD COMBINATION FACTORS: 1.0

NOTE: THIS CALCULATION IS REPRESENTATIVE OF THE CALCULATIONS FOR EACH SIGN TYPE. EACH CASE HAS BEEN DERIVED INDEPENDENTLY. IF REQUIRED, CONTACT STC TO RECEIVE A COPY OF CASE SPECIFIC CALCULATIONS.

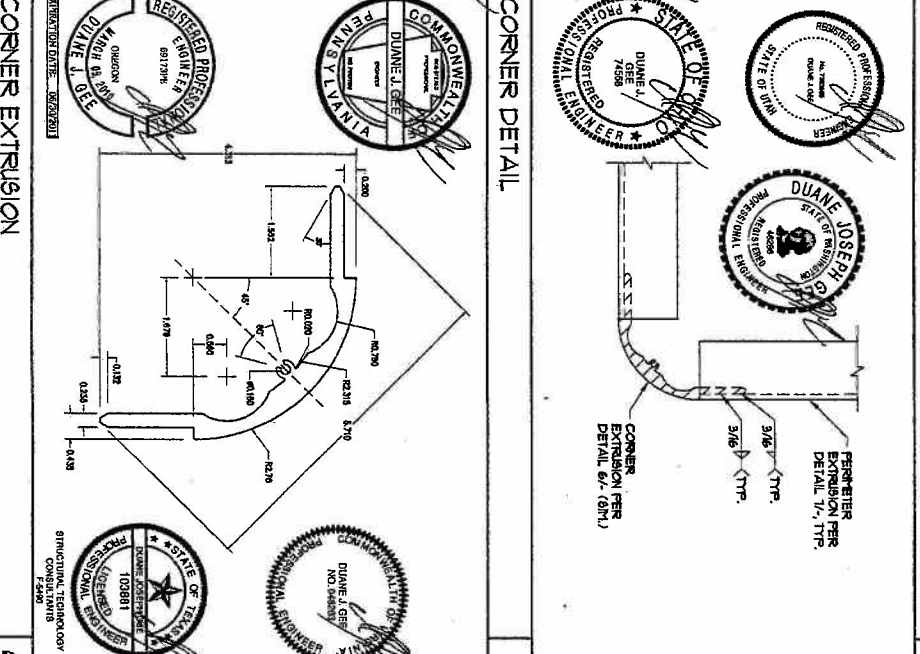
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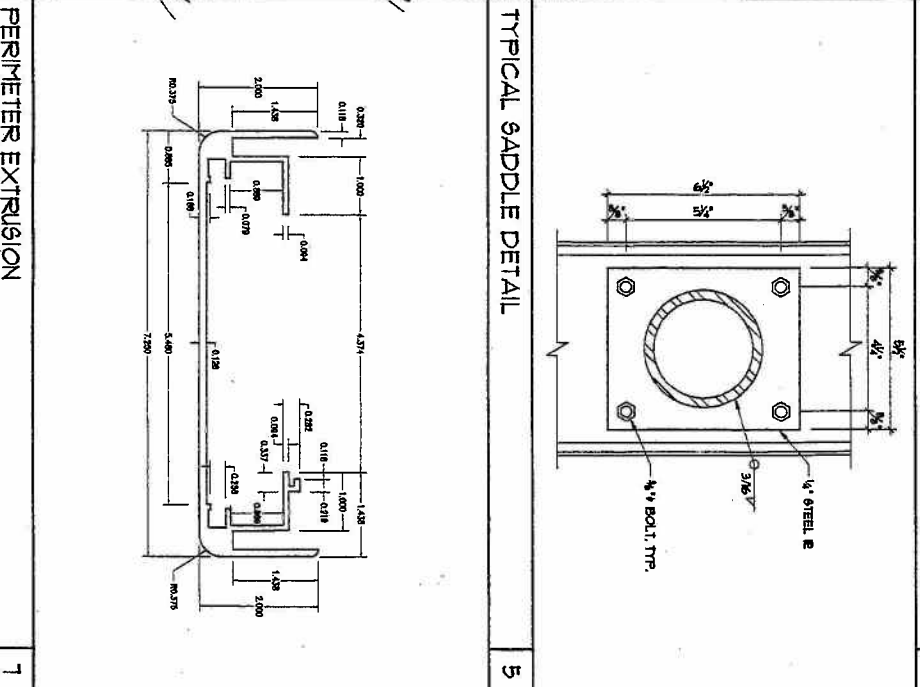
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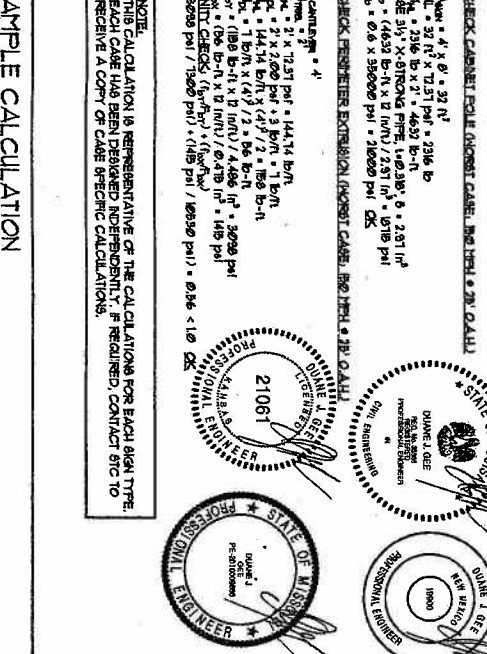
BOTTOM SADDLE DETAIL



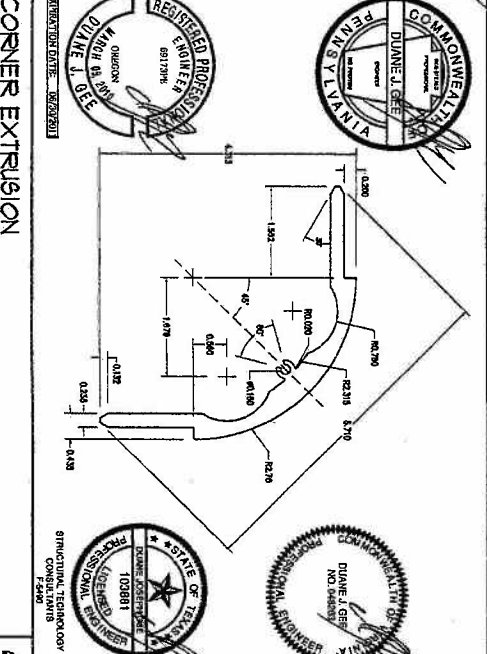
TOP SADDLE DETAIL



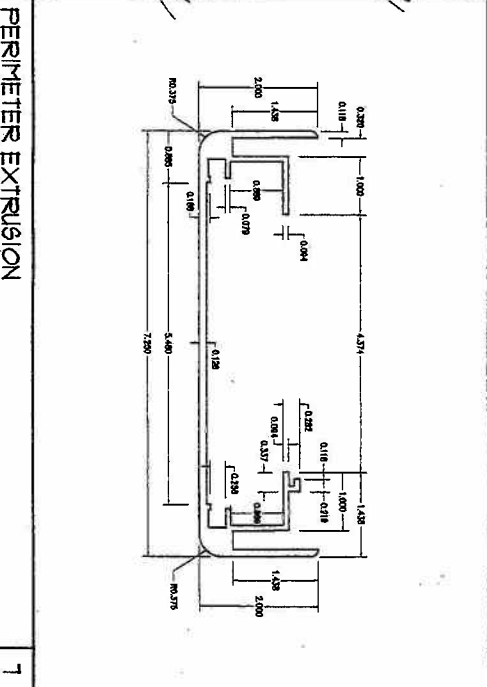
CORNER DETAIL



TYPICAL SADDLE DETAIL



PERIMETER EXTRUSION



STRUCTURAL TECHNOLOGY CONSULTANTS INCORPORATED
858.278.2400
7827 CONVOY COURT, SUITE 408 SAN DIEGO, CA 92111

SIGNTRONIX
1446 W. SEPULVEDA BLVD. TORRANCE CA. 90509
(310) 534-7500

SIGN NAME
ADDRESS
CITY, STATE

SINGLE INTERNAL POLE

SIGN ELEVATION, EXTRUSIONS AND MISCELLANEOUS DETAILS

SHEET 5 OF 18

DATE: 03-31-11
JOB NO.: 488-1102
DESIGNER: DAN
DRAWN BY: DAN
APPROVED BY: DJG