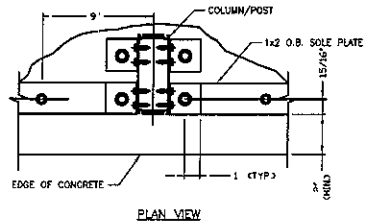
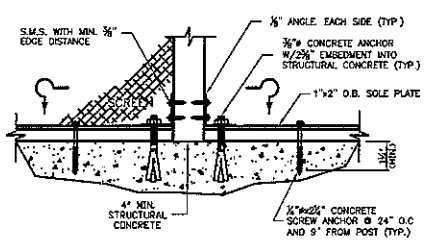
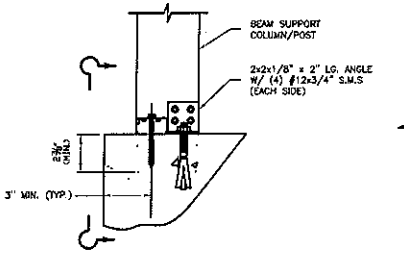


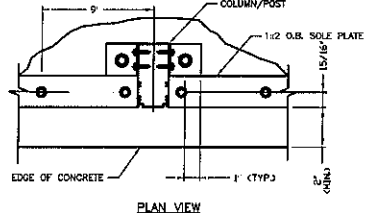
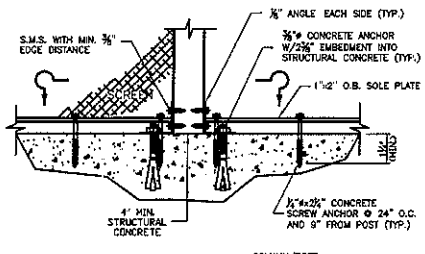
MAIN COLUMN TO FOUNDATION CONNECTION DETAIL



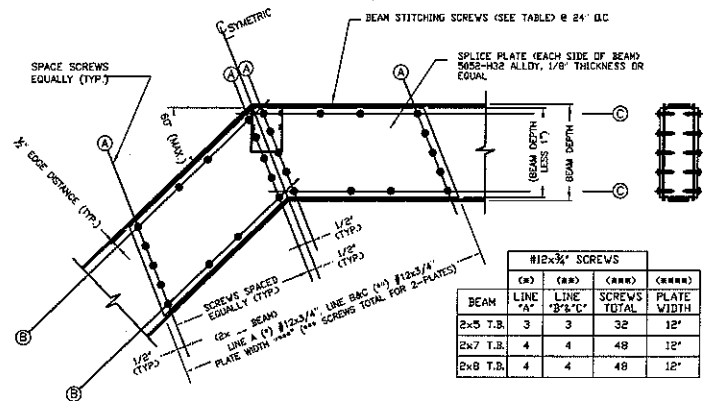
PLAN VIEW



SIDEWALL COLUMN TO FOUNDATION CONNECTION DETAIL



PLAN VIEW



MANSARD ROOF BEAM CONNECTION DETAIL

BEAM	#12x3/4" SCREWS			PLATE WIDTH
	(A)	(B)	(C)	
2x5 T.B.	3	3	32	12"
2x7 T.B.	4	4	48	12"
2x8 T.B.	4	4	48	12"

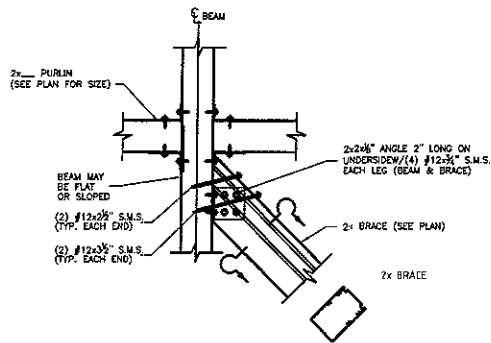
General Notes and Specifications:

- Contractor shall field verify all dimensions before construction and shall notify engineer of discrepancies for immediate consideration.
- Concrete shall be minimum 28 day compressive strength of $f'c=2500$ psi, and be in accordance with the requirements of ACI 318. Reinforcing steel shall have a min. yield strength of 40,000 psi (grade 40) and be provided with cover in accordance with ACI 318. If existing concrete slabs/footings are deemed satisfactory it may be incorporated into new slab/footing by observing the following procedure:
 - Clean and scabble all connecting edges.
 - Drill and epoxy embed #5 reinforcing placed @ 12" O.C. mid depth. The rebar should be embedded a min. of 7" (using HiHi HY 150 Epoxy or equal approved), leaving 24" exposed to be incorporated into new slab/footing
- All dimensions are provided by contractor GO Kim & Associates LLC have made interpretations where necessary
- The following structures are designed to be attached to black and wood frame structures of adequate structural capacity. The contractor shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition. If there is a question about the host structure the owner (at his own expense) shall hire an architect or engineer to verify host structure capacity
- Screen density shall be a maximum of 20 x 20 mesh.
- Connections using screw bosses shall have minimum (4)-#10x2" per connection unless shown otherwise
- Screws that penetrate the water channel of the super gutter shall have ends clipped off for safety of cleaning the gutter and the heads of screws through the gutter into the fascia shall be caulked
- Every panel of screen mesh shall be fastened securely in place with spline. Each panel shall be fastened at all sides, independent of surrounding panels. This requirement shall include purlins and chair/kickplate rails. Screen mesh panels are not required to be secured to rigid diagonal bracing members. Screen mesh is incidental to the structural integrity of the overall structure.
- Unless otherwise shown, screws shall have minimum edge distance and center-to-center distances as shown in this table.

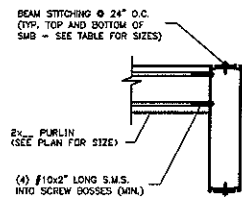
C-1022 Low Carbon Steel SMS & Self-Drilling (TEK) Screws (Industry Standard Screws)			
Screw	Nominal Screw Diameter (in)	Minimum Edge Distance	Minimum Center to Center Distance
#10	0.193	1/4"	5/8"
#12	0.219	3/8"	3/4"
#14 (1/4")	0.250	1/2"	1 1/4"
- Structure has been designed to meet the 2004 FBC with 2006 Supplement. Project is sited where the basic wind speed is 130 mph (3-sec gust) 1x0.77 for screen enclosures Exposure C. Design wind pressures are from 2004 FBC. Pressures are based on wind tunnel testing with main wind force resisting system coefficient G_Cp of +/-0.25 for screen roof and 0.7-1.25 for walls
- All concrete anchors shall be Simpson Strong-Tie Wedge All Anchors or Tiltan Screws or approved equal
- Designed in accordance to Aluminum Design Manual LFRD
- All Aluminum members shall be 6063-T6 Alloy unless otherwise noted. Trac Beams shall be 6065-T5 Alloy

Pool Enclosure Collective, LLC
 Manufactures Recommended Trac Beam™
 Standard Installation Details
 For Screen Enclosures (FL# 7350 & 9328)

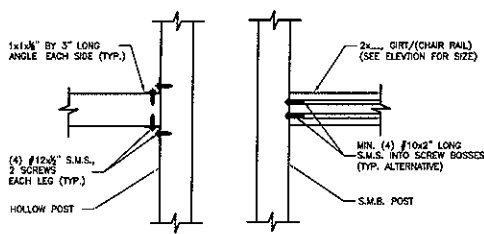
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 Tampa, FL 33679
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 Fax: (813) 874-5966



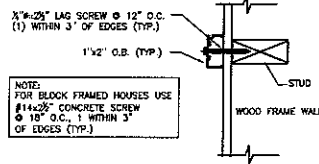
PLAN - TYPICAL ROOF BRACE TO BEAM CONNECTION



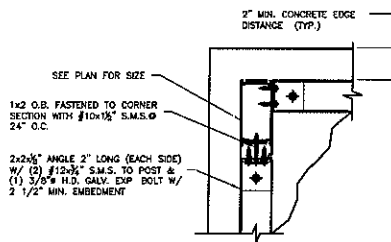
PURLIN TO ROOF BEAM CONNECTION DETAIL



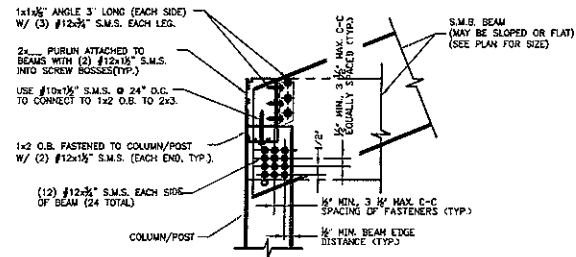
CHAIR RAIL / GIRT TO POST CONNECTION DETAIL



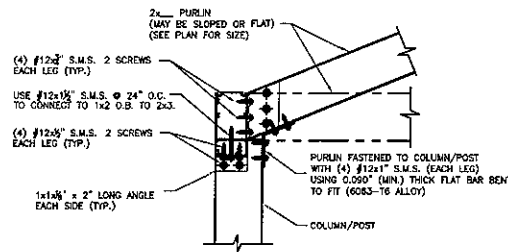
TYPICAL SCREEN EDGE TO STRUCTURE CONNECTION DETAIL



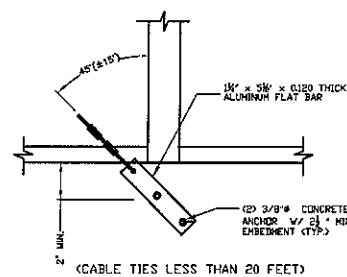
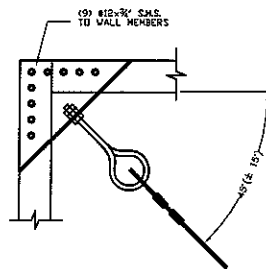
CORNER POST / COLUMN TO FOUNDATION CONNECTION DETAIL



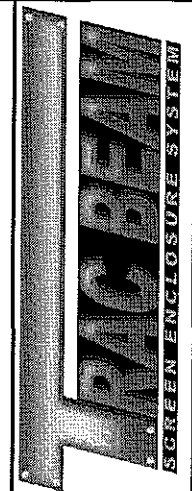
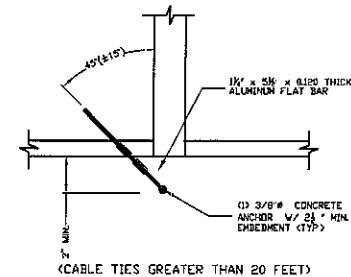
MAIN POST / COLUMN TO ROOF BEAM CONNECTION DETAIL



SIDEWALL POST / COLUMN TO PURLIN CONNECTION DETAIL

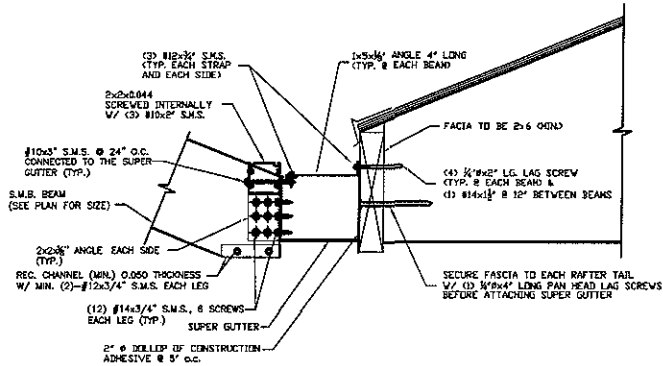


CABLE BRACE DETAIL

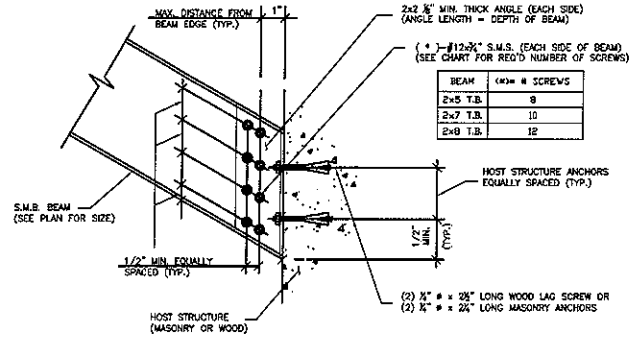


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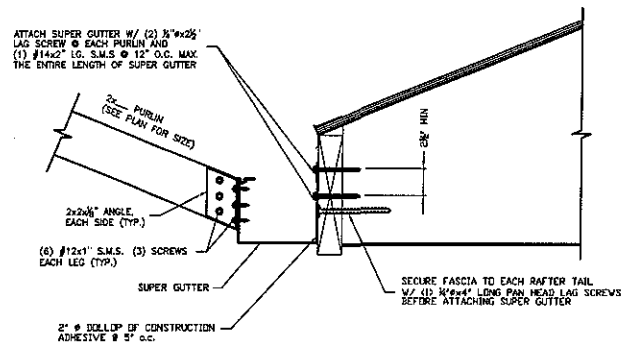
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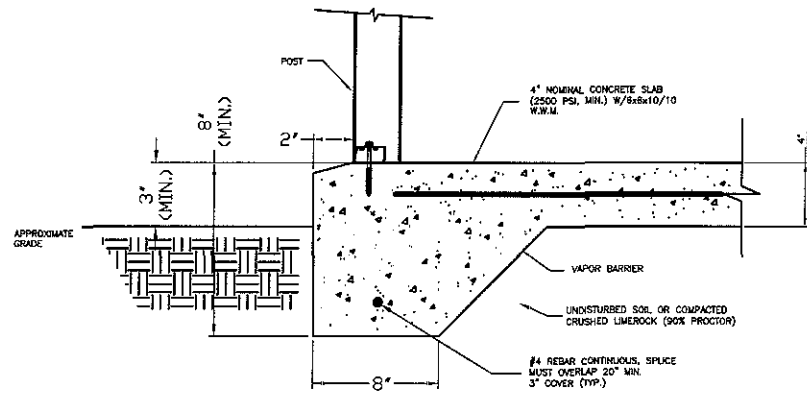
ROOF BEAM TO SUPER GUTTER CONNECTION DETAIL



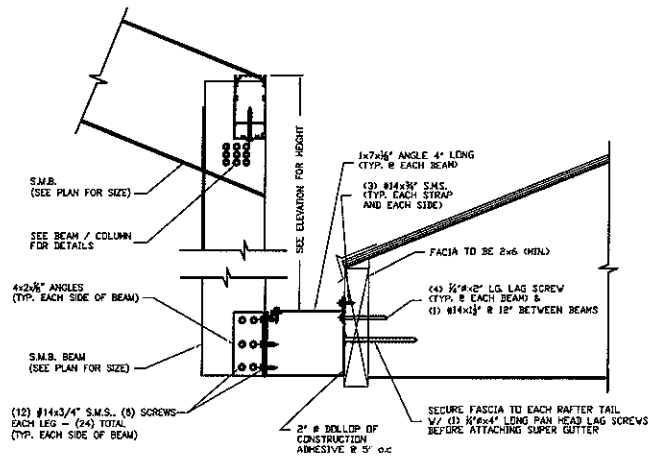
BEAM TO HOST STRUCTURE DETAIL



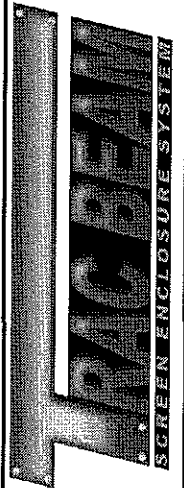
PURLIN TO SUPER GUTTER CONNECTION DETAIL



FOUNDATION SLAB/POST DETAIL



ROOF TRANSOM (RISER) WALL CONNECTION DETAIL



Pool Enclosure Collective, LLC
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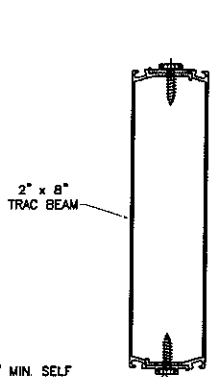
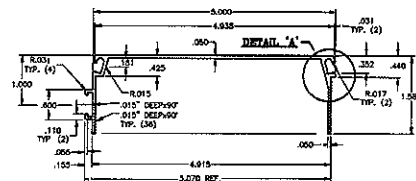
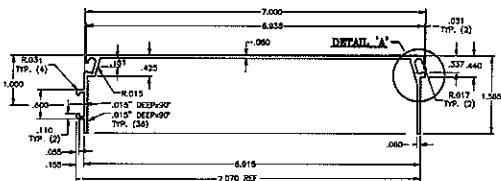
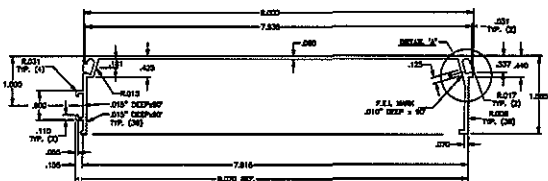
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Drawing No. - 070822

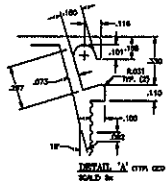
SHEET 3 OF 5

Pool Enclosure Collective, LLC
Trac Beam (FL State Product Approval #7350)



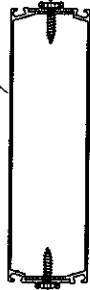
#10 x 3/4" MIN. SELF
 DRILLING SCREW @ 24" O.C.
 (TYP. TOP AND BOTTOM OF SMB)

2" x 8" TRAC SELF-MATING BEAM (SMB)
 (patent pending)

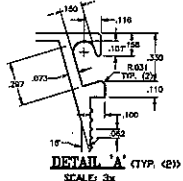


#10 x 3/4" MIN. SELF
 DRILLING SCREW @ 24" O.C.
 (TYP. TOP AND BOTTOM OF SMB)

2" x 7" TRAC BEAM



2" x 7" TRAC SELF-MATING BEAM (SMB)
 (patent pending)

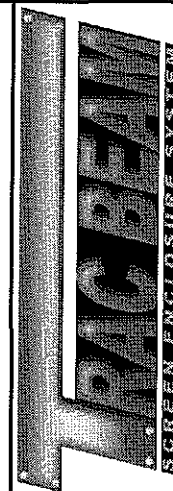
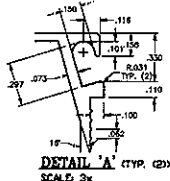


2" x 5" TRAC BEAM



#10 x 3/4" MIN. SELF
 DRILLING SCREW @ 24" O.C.
 (TYP. TOP AND BOTTOM OF SMB)

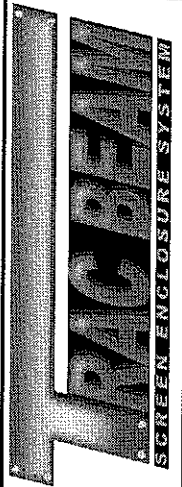
2" x 5" TRAC SELF-MATING BEAM (SMB)
 (patent pending)



Pool Enclosure Collective, LLC™
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2x5 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	> 25'	> 25'	> 25'	> 25'	24.79'
6' O.C.	> 25'	> 25'	> 25'	24.66'	23.86'
7' O.C.	> 25'	> 25'	24.79'	23.86'	22.93'
8' O.C.	> 25'	> 25'	24.13'	23.06'	22'

2x7 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	39.32'	39.32'	36.03'	32.73'	29.45'
6' O.C.	36.68'	36.68'	32.73'	28.8'	24.99'
7' O.C.	34.05'	34.05'	29.45'	24.98'	24.55'
8' O.C.	31.42'	31.42'	26.16'	24.61'	24.11'

2x8 TRAC BEAM CLEAR SPAN (FLAT ROOF)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	40.0'	40.0'	40.0'	40.0'	36.0'
6' O.C.	40.0'	40.0'	40.0'	37.0'	35.0'
7' O.C.	40.0'	40.0'	38.0'	35.5'	34.0'
8' O.C.	40.0'	38.0'	36.0'	34.2'	32.0'

2x5 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	20.81'	19.47'	17.48'	15.47'	13.83'
6' O.C.	19.07'	17.48'	15.07'	13.57'	12.78'
7' O.C.	17.34'	15.48'	13.57'	12.65'	11.74'
8' O.C.	15.61'	13.83'	12.78'	11.73'	10.69'

2x7 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	23.54'	22.92'	21.98'	21.03'	20.09'
6' O.C.	22.72'	21.97'	20.84'	19.71'	18.58'
7' O.C.	21.91'	21.03'	19.70'	18.39'	17.08'
8' O.C.	21.10'	20.09'	18.58'	17.08'	15.58'

2x8 TRAC BEAM SPAN (MANSARD ROOF)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	52.0'	52.0'	52.0'	52.0'	47.0'
6' O.C.	52.0'	52.0'	52.0'	50.0'	46.0'
7' O.C.	52.0'	52.0'	52.0'	47.5'	44.8'
8' O.C.	52.0'	50.0'	47.0'	45.0'	42.8'

General Notes:

1. Refer to Florida Product Approval #FL7350 & #FL9328 for project specific requirements to be used by design professional.
2. Drawings are illustrative purposes only.
3. Tables developed from loads in FL9328 tables which are allowable working loads and may be used without any additional reductions. Spans are based on ten feet wall height.
4. Allowable point loads and deflections are converted to allowable uniform loads and deflections using analytic and comparative analysis.
5. Allowable spans tables are based on 2004 Florida Building Code with 2006 Updates. Wind loads are based on Chapter 20 and Table 2004.4.
6. Consult a licensed design professional for use of this product information.
7. Maximum allowable deflections limits of L/60 shall be considered by design professional. L/80 in HVHZ.

2x8 TRAC SPAN (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (Ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' O.C.	32.5'	30.0'	28.9'	27.7'	26.3'
6' O.C.	29.5'	28.7'	27.6'	26.3'	25.0'
7' O.C.	28.7'	27.8'	26.7'	24.9'	23.5'
8' O.C.	27.8'	26.5'	25.2'	23.4'	21.8'

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Drawing No. - 070822

SHEET 5 OF 5