

put your roof under the protection of pate® roof products

During the past four decades of widespread construction activity, **the pate company®** has developed its own special area of expertise. It has helped industrial America put a better roof over its head—one that won't leak.

In low-rise construction particularly, roofs are penetrated by ducts, pipes, hatches and skylights and support air conditioners, blowers and other roof-mounted equipment. Unless they are properly curbed and supported, roof openings and rooftop loads can be a source of roof leaks.

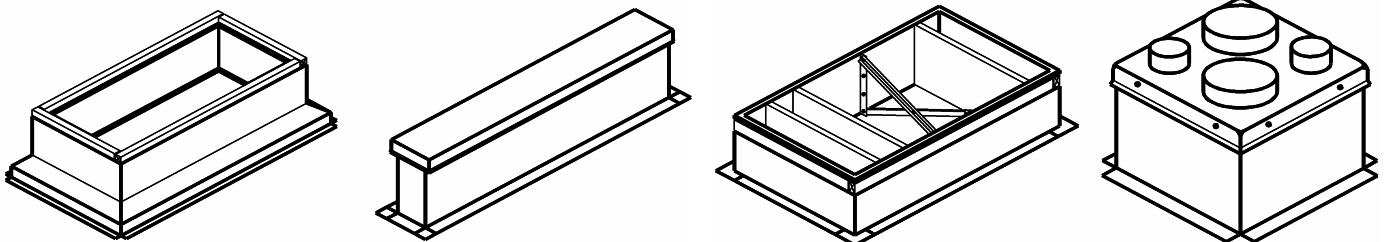
Roof leakage was the problem that brought **the pate company®** into existence and onto the construction scene, with water-tight product designs for projects involving roof penetration and equipment support. Since its inception in 1963 the company has concentrated on leakage problems and on prefabricating solutions to them. **pate** prefabs are more durable and adaptable than units improvised on the job. And their time-saving installation saves building costs. They provide long-term roof protection—proved all over the U.S., on every type of roof, in all weather conditions.

Roof after roof and year after year, commercial and industrial architects and engineers specify **pate** roof products more frequently than any others. That speaks well not only for product quality but for the company's attractive pricing and ability to deliver on time.

Shown on the following pages is the innovative line of **pate** roof products for conventional or metal buildings. Included are roof curbs, pipe seals, pipe curb assemblies, and pipe roller supports, equipment bases and supports, expansion joint curbing, and other roof accessories.

But your options don't stop there; **pate** can customize its products for special architectural needs or mechanical equipment requirements. However . . . whenever . . . wherever you go through the roof, **pate** roof products are the way to go.

pate® above all ... to prevent roof leaks



pate catalog index

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pate catalog index

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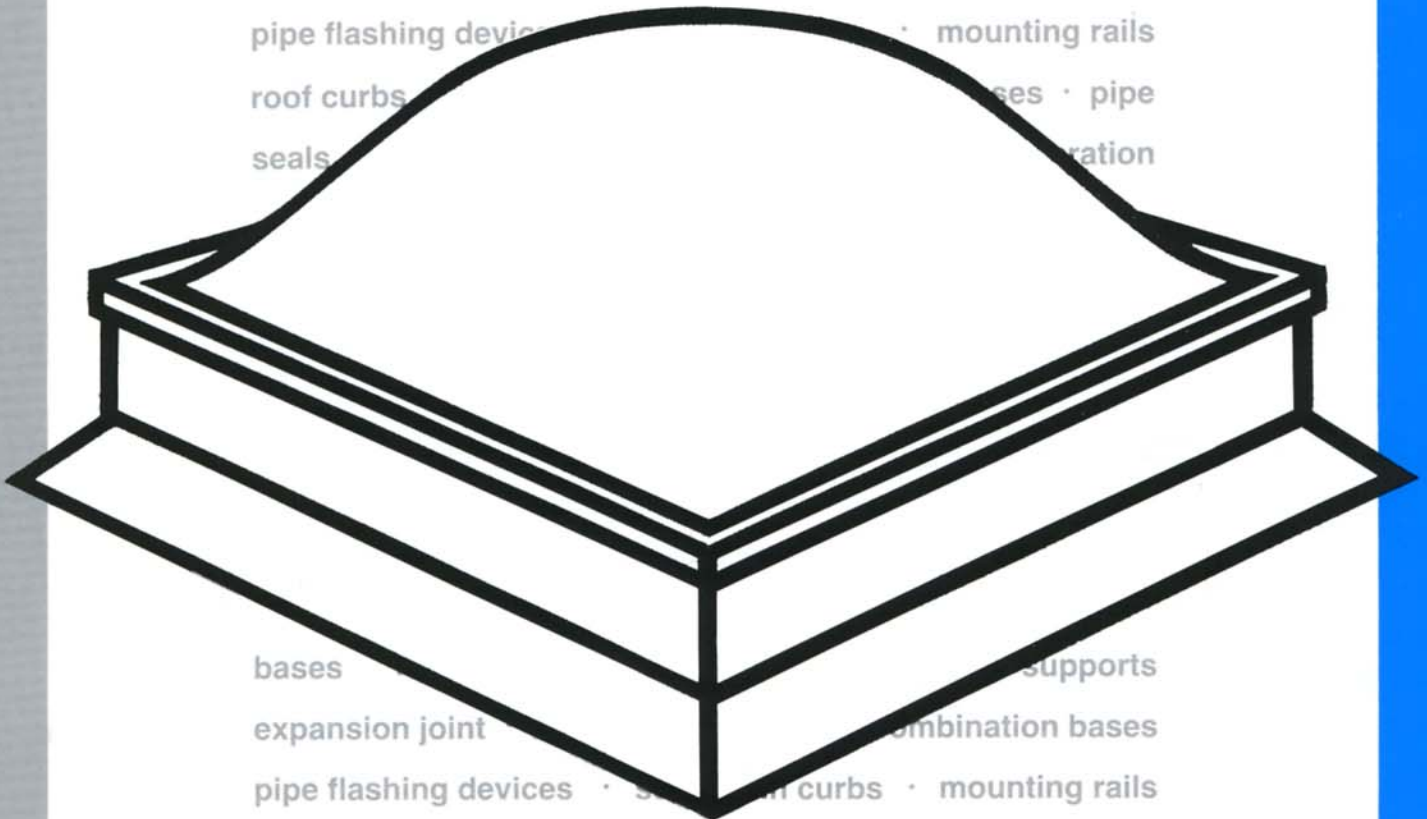
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roof curbs · skylights · smoke vents · hvac bases · pipe
seals · equipment supports · seam-in curbs · vibration
bases · rooftop conversion adaptor · pipe roller supports
expansion joint · pipe curb assembly · combination bases
pipe flashing devices · mounting rails
roof curbs · skylights · smoke vents · hvac bases · pipe
seals · equipment supports · vibration

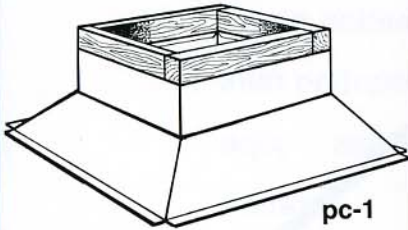


bases · equipment supports
expansion joint · pipe curb assembly · combination bases
pipe flashing devices · seam-in curbs · mounting rails
roof curbs · skylights · smoke vents · hvac bases · pipe
seals · equipment supports · vibration
conversion adaptor · pipe roller supports
pipe curb assembly · combination bases



pate[®] curbs

more than a quarter-century of rooftop experience



pc-1

pc-1



8" & 12" std.

pc-2



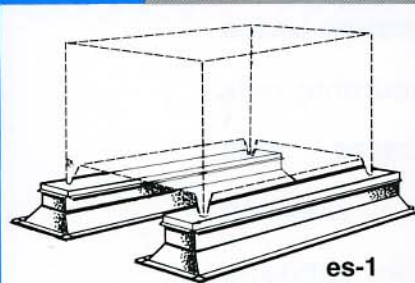
11" & 15" std.

pc-5



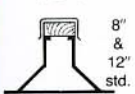
9 1/2" & 13 1/2" std.

conventional curbs seal roof openings, support equipment. Canted, no cant or raised cant styles 8" or more above roof line. Heavy-gauge galvanized steel or aluminum construction, simple flashing detail. **Curb-hinge** for exhaust fans raises underside for easy service access.



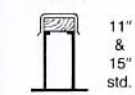
es-1

es-1



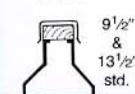
8" & 12" std.

es-2



11" & 15" std.

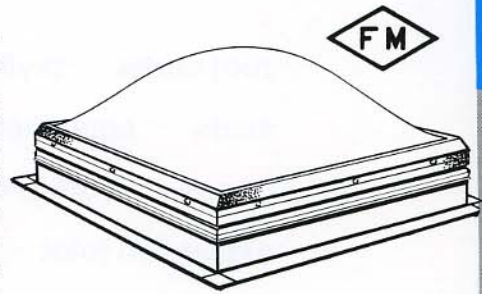
es-5



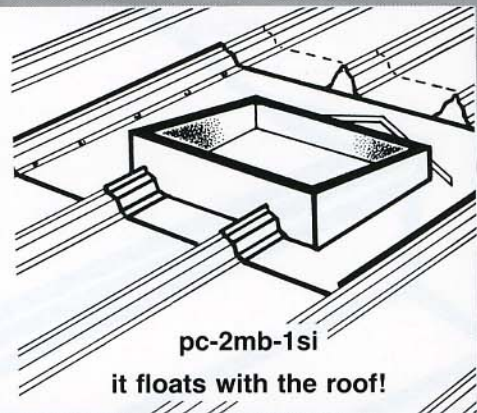
9 1/2" & 13 1/2" std.

equipment supports provide leak-free mounting of rooftop units. Load bearing tested and rated—with certified data on request. Heavy-gauge galvanized steel, built to any length and designed to span roof joists. Styles and heights to match roof deck and equipment.

drop-out smoke vents open automatically to release heat and fumes in the event of fire or explosion. Double dome models of acrylic plastic have insulated aluminum-wall curb with 3" roof flange. Heat-activated inner dome is designed to melt out at predictable temperatures. Snow-rated to 10 PSF, each model has the FM Approved label.

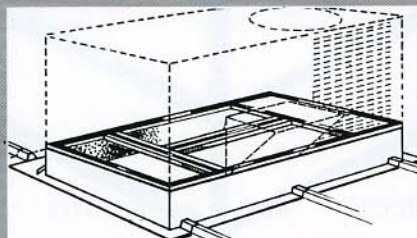


seam-in curbs for floating roofs are rugged, easier to handle. Installed, curb becomes an integral part of standing seam systems—it "floats", completely water-tight, with the roof deck. 18 ga. GALVALUME™ steel with welded seams, thick insulation, top gaskets, water diverter. Roof manufacturer's seaming piece is caulked and fastened to flanges.

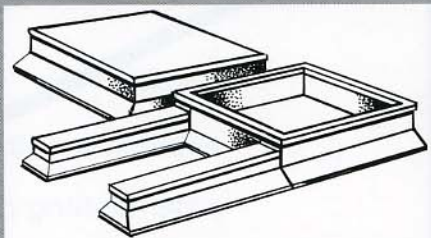


pc-2mb-1si

it floats with the roof!



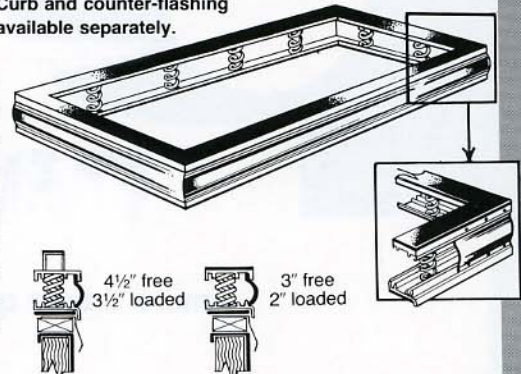
hvac bases for metal buildings are configured to roof panels, and design-coordinated with mechanical units. Constructed of GALVALUME™ steel. Gasket at top reduces vibration, noise.



combination hvac bases are one-piece galvanized steel. Curb has attached mounting rails or solid top platform. Supports are shipped fully assembled to fit job and eliminate cost of field work.

Curb and counter-flashing available separately.

iso-bases on pate curbs control vibration of air handling units by isolating them from roof and building structure. Efficient steel spring assembly absorbs excess vibration. Weather-sealed frame of aluminum has top and bottom neoprene gaskets. One-piece unit is fully assembled and easy to install. Capacities and sizes to meet exact requirements.



4 1/2" free 3 1/2" loaded

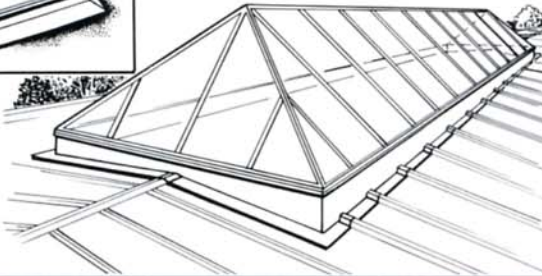


3" free 2" loaded

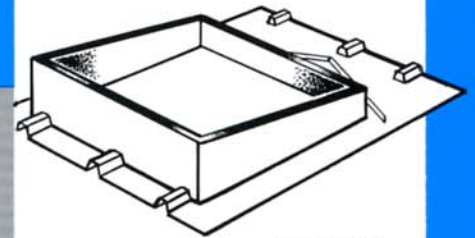


12-section skylight on conventional roof curb.

curbs and structural skylights



24' x 8' ridge skylight on metal roof curb.

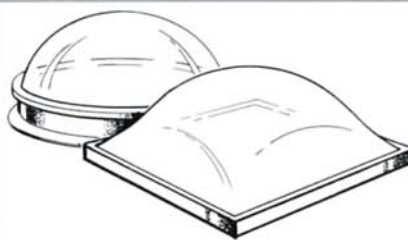


pc-2mb-1

metal building curbs mate with ribbed or standing seam roof panels and compensate for pitch—to seal roof openings, support loads properly, and prevent leaks. Curb shell, base plate and diverter are of durable, heavy-gauge GALVALUME™ steel, the type used by building manufacturers. Seams are welded water-tight, and rust inhibitor treated. Standard design features include 8" height, equipment gaskets, water diverter, thick insulation.



continuous vault skylights go to any lengths. Single or double glazed vaults of acrylic, with vertical glazed ends. Aluminum frame is one-piece, designed for fastening to roof curbs.

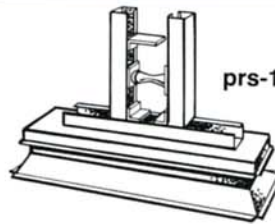


acrylic plastic skylights utilize natural light in any-size area. Single or double dome designs in clear, white, or bronze with aluminum frames. **pate** curbs match your choice of skylights.



pca-2

pipe curb assembly gives pipe cluster leak-free passage through roof. Includes curb, thermoplastic cover, sleeves scored for pipe sizes, graduated water-tight boots, steel clamps.



prs-1

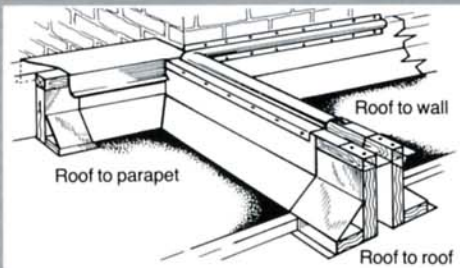
pipe roller supports handle long runs of roof-mounted pipe—gas, electric, refrigerant—any size or type. Easy vertical and horizontal adjustment. Permit parallel pipes on one base.



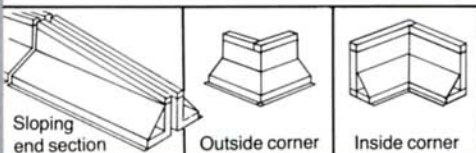
pps-3

Patent no. 4,120,129

pipe seals & flashing devices Patented unit for conventional roofs seals single-pipe openings at cost of a pitch pocket. Spun aluminum base flashes into any roof. 5" seal is sloped for runoff. For metal roof panels, flexible one-piece flashing of E.P.D.M. rubber conforms to pitch and panel profile. Aluminum ring base can be readily contoured to any panel area with stainless steel fasteners.



expansion joint and wall cant curb system to prevent leaks from expansion/contraction of roof. Includes desired curb lengths, spreader clips, corners and end sections. Canted, no cant, or raised cant styles. Special heights and pitches available. Mitered and welded corner sections for tees or crosses. Heavy-duty galvanized steel.



Sloping end section

Outside corner

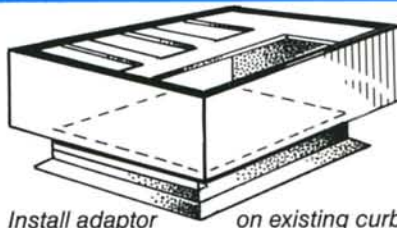
Inside corner



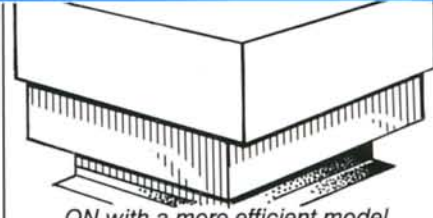
rooftop conversion adaptor fits new HVAC unit to existing curb and roof opening!



OFF with the old HVAC unit



Install adaptor on existing curb



ON with a more efficient model

- Made to order for replacement of aging rooftop units or upgrading to bigger-capacity equipment. No need to modify or tamper with roof, roofing, building structural steel or ductwork.
- Single-unit conversions can be completed by a two-

man crew in half a day, saving labor and crane time. Contractor can field-fabricate duct transitions as needed to existing service, minimizing shutdown.

- **pate** conversion designs are cost-effective and ideal for commercial or industrial applications.

specifications

pate curb pc ____* shall be box section design, heavy gauge galvanized steel (or aluminum—specify), mitered and welded corner seams, integral base plate, pressure treated wood nailer, insulated with 1½" thick, rigid, fiberglass board insulation. *Specify pc-1 = 45° canted curb for non-insulated decks; pc-2 = no cant curb for lightweight fill, tapered insulation, or one-ply roofing; pc-5 = raised 45° cant curb for rigid insulation decks.

pate equipment support es ____* shall be heavy-gauge galvanized steel construction and counter-flashing, mitered and welded corner seams, integral base plate, 2 x 4 pressure treated wood nailer. *Specify es-1 = canted support for non-insulated decks, es-2 = no cant support for lightweight fill, tapered insulation, or one-ply roofing, es-5 = raised cant support for decks with rigid insulation.

drop-out smoke vents shall consist of outer dome of clear, and heat-activated inner dome of clear or white, acrylic plastic. Frame shall be extruded aluminum. Curb shall be double aluminum-wall construction with 1" insulation and 3" flange.

pate metal building curb ____* shall be heavy-gauge aluminum-zinc alloy coated steel shell, base plate and diverter, welded corners, seams painted with rust-inhibitive primer, closed cell foam gasket, 1½" thick 3# density fiberglass insulation. *Specify pc-2mb-1 = curb with integral ribbed diverter or pc-2mb-2 = curb with separate diverter plate. **Specify roof panel manufacturer and panel designation. *Specify pc-2mb-1si = seam-in curb.

pate hvac base for metal buildings style ____* shall be heavy-gauge aluminum-zinc alloy coated steel shell, base plate and diverter, welded corners, seams painted with rust-inhibitive primer, closed cell foam gasket, 1½" thick 3# density fiberglass insulation. Cross bracing, duct frames, and insulated pans included as required. *Specify eb-2mb-1 = base with integral ribbed diverter or eb-2mb-2 = base with separate diverter plate. Specify roof panel manufacturer and panel designation.

pate combination hvac base ____* style ____** shall be of reinforced galvanized steel with heavy-gauge counter-flashing, all welded components, full mitered corners, 1½" thick rigid fiberglass board insulation, attached pressure treated wood nailer. *Specify sceb—curb with solid plywood top and counter-flashing, or ceb—curb with mounting rails. **Specify sceb-1 or ceb-1 canted base, sceb-2 or ceb-2 no cant base, or sceb-5 or ceb-5 raised cant.

isolation base assembly shall consist of extruded aluminum upper and lower members with flexible riveted waterproof seal, cadmium-

plated steel springs with static deflection of 1" (2" available), and continuous closed cell neoprene gasket bonded to top and bottom surfaces.

continuous vault skylights shall consist of single or double domed panels of acrylic with lengths from 2' to 4', extruded sealing and divider gasket system. Integral one-piece curb frame of extruded aluminum with 5° sloping weepage and gutter designed for fastening on 1½" or wider roof curbs. Widths from 2' to 10' in any length greater than 8'.

acrylic plastic skylights shall consist of single or double dome, extruded aluminum retaining frame, curb frame with integral condensation and weepage gutter. Circular domes from 2½" to 8" in diameter with insulated curb, 3" mounting flange. Sealed double dome models to reduce solar heat. Designed for fastening to 1½" or wider prepared roof curbs.

pate pipe curb assembly pca- ____* with ____** cover option shall have curb of galvanized or GALVALUME™ steel, cap of acrylic-clad abs thermoplastic, graduated step pvc boots, adjustable stainless steel clamps and cap fastening screws. Cover options: pcc-1 for up to 4 pipes ½"-2½"; pcc-2 for up to 2 pipes ½"-2½" and 1 pipe 3"-5"; pcc-3 for up to 2 pipes ½"-2½" and 2 pipes 3"-5"; pcc-4 for 1 pipe 6"-10"; pcc-5 for 5 pipes ½"-2½". *Specify pca-1 canted curb, pca-2 no cant, or pca-5 raised cant for conventional roofs; or pca-2mb-1 or pca-2mb-2 for metal roofs.

pate pipe roller support prs ____* shall provide mounting for ____** o.d. pipes and vertical and horizontal adjustment for roof elevation and pipe location, with locking devices in roller assembly. Heavy-gauge galvanized steel with integral base plate, 2 x 4 pressure treated wood nailer, removable counter-flashing. *Specify pipe sizes. **Specify prs-1 canted support, prs-2 no cant, or prs-5 raised cant.

pate expansion joint style ej ____* shall be of heavy-gauge galvanized steel, pressure treated wood nailer, integral base plate steel reinforced, 1½" thick, rigid fiberglass board insulation, continuous mitered and welded ____** corner sections, with one v-shaped spreader clip and one joint connector clip per 10 ft. section, and ____** sloping end sections. *Specify ej-1 = canted expansion joint, ej-2 = no cant joint, ej-5 = raised cant. **Specify inside and outside corners. ***Specify sloping end sections, right or left.

pate pipe seals shall flash all roof penetrations up to 10" o.d. Unit consists of a spun aluminum base having a 5" roof surface flange, stepped pvc boot to be secured to the base and the pipe with adjustable stainless steel clamps. Specify pps-3 for pipes 1½"-2½"; pps-6 for pipes 3"-5"; pps-12 for pipes 6"-10" (all nominal, uninsulated).

For further information and product options, contact **pate** or your nearest **pate** representative



call toll-free: 1-800-243-3018

pc-1

the pacesetter in quality prefab roof products



245 eisenhower lane south • lombard, illinois 60148
 630.705.1920 • 800.243.3018 • fax 630.705.1930
 www.patecurbs.com • e-mail: sales@patecurbs.com

**pate
curbs**

standard construction

Heavy ga. galvanized steel, unitized, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. On **b** style curbs, overhang is 1/2" unless otherwise specified.

p.o. no. _____
 customer _____

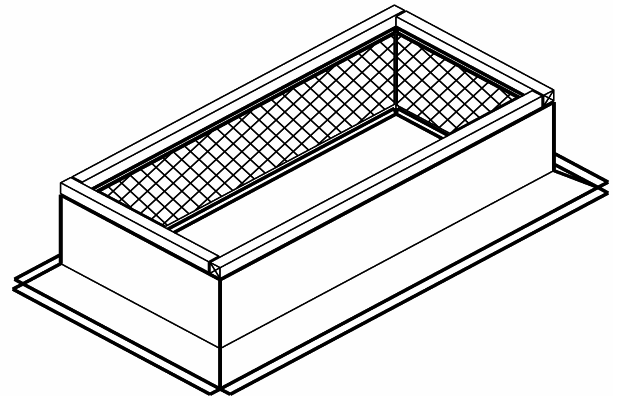
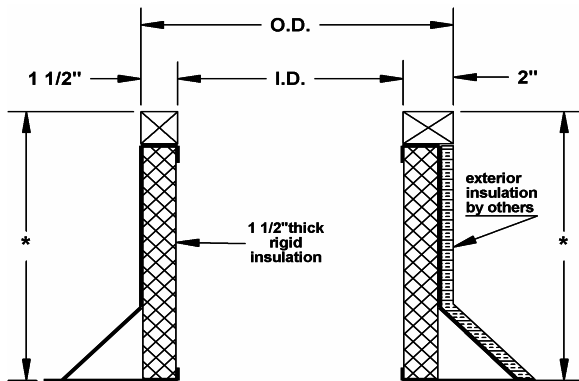
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-1

pc-1b



non-insulated decks
 *standard height: 8" & 12"

roof curb requirements

quantity	style	dimensions		* overall height	overhang b style	tag
		O.D.	I.D.			

pc-2

the pacesetter in quality prefab roof products



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**pate
curbs**

standard construction

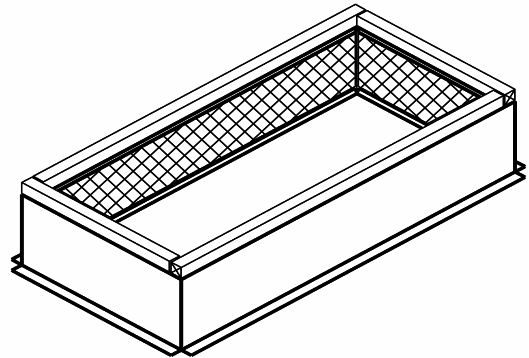
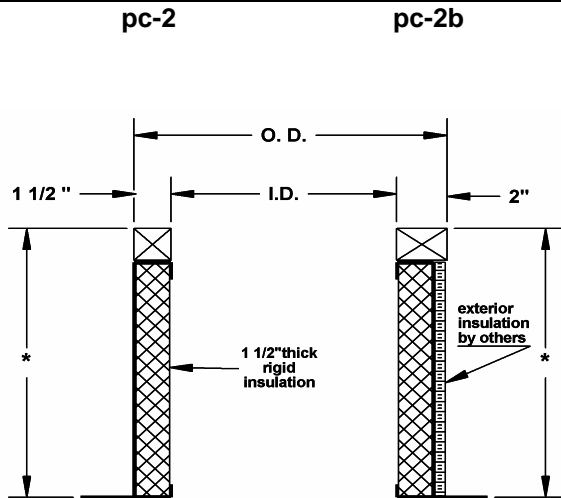
Heavy ga. galvanized steel, unitized, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. On **b** style curbs, overhang is 1/2" unless otherwise specified.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate curbs



decks with lightweight fill or tapered insulation

*standard height: 12" & 16"

roof curb requirements

quantity	style	dimensions		* overall height	overhang b style	tag
		O.D.	I.D.			

pc-3,4

the pacesetter in quality prefab roof products



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**pate
curbs**

standard construction

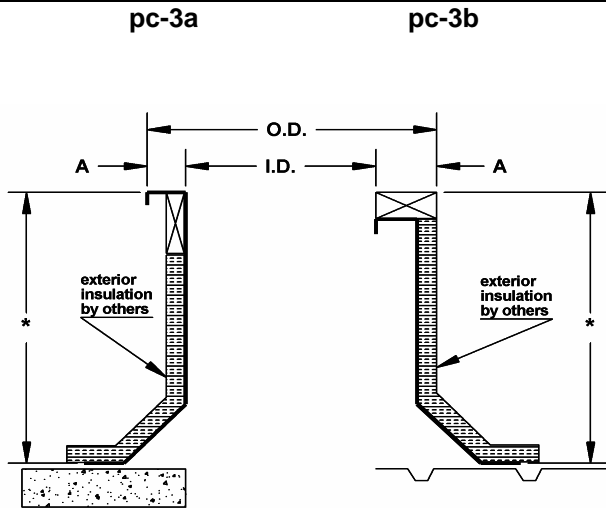
Heavy ga. galvanized steel, uninsulated, with continuous mitered and welded corner seams, pressure treated wood nailers.

p.o. no. _____
 customer _____

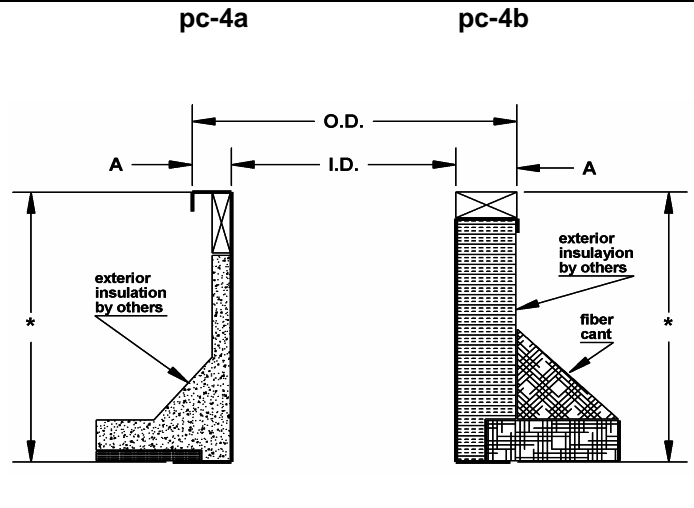
 project _____
 location _____

 architect _____
 engineer _____

pate curbs



*standard height: 9 1/2" & 13 1/2"



*standard height: 9 1/2" & 13 1/2"

roof curb requirements

quantity	style	dimensions		* overall height	overhang b style	"A"	tag
		O.D.	I.D.				

pc-5

the pacesetter in quality prefab roof products



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**pate
curbs**

standard construction

Heavy ga. galvanized steel, unitized, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. On **b** style curbs, overhang is 1/2" unless otherwise specified.

p.o. no. _____
 customer _____

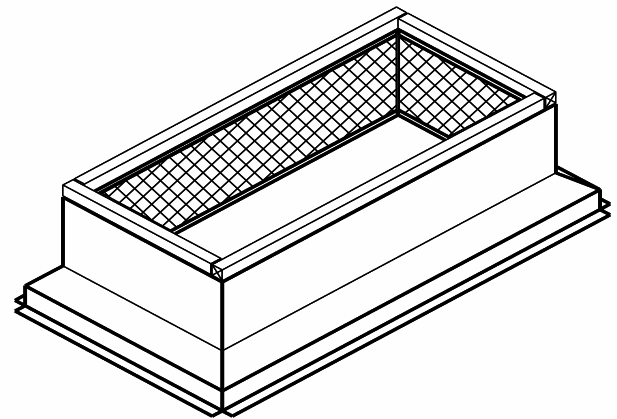
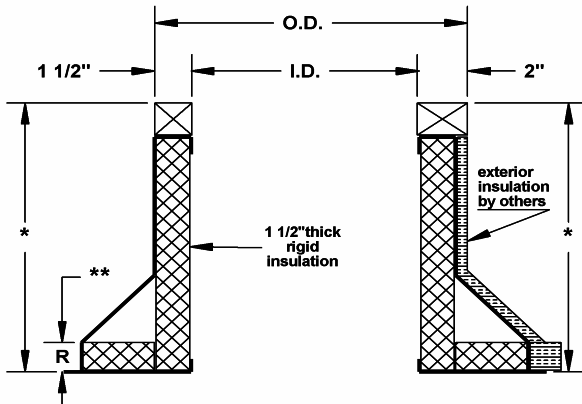
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-5

pc-5b



decks with rigid insulation

*standard height: 9 1/2" & 13 1/2" ** (with 1 1/2"R)

roof curb requirements

quantity	style	dimensions		* overall height	overhang b style	** raised cant height	tag
		O.D.	I.D.				

pc-2-sf

the pacesetter in quality prefab roof products



the pate company

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**pate
self flashing curbs for pitched roofs**

standard construction

Heavy ga. galvanized or galvalume steel, unitized construction, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, with 4" base flange. All curbs are internally reinforced in larger dimensions. Pressure treated wood nailer optional.

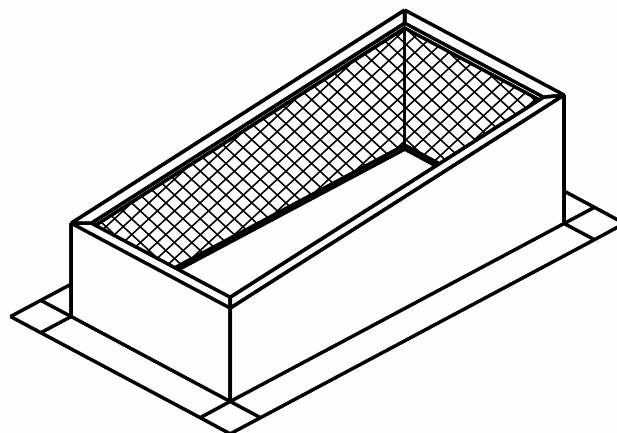
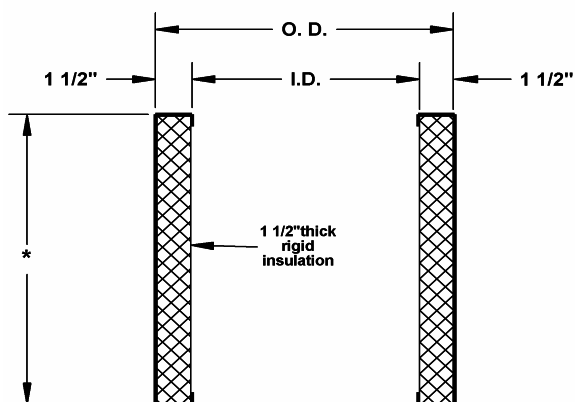
p.o. no. _____
customer _____

project _____
location _____

architect _____
engineer _____

pc-2- sf pate curbs

pc-2- sf



roof curb requirements

quantity	style	dimensions		* minimum height	roof slope	tag
		O.D.	I.D.			

pc-2-sl

the pacesetter in quality prefab roof products



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**pate
 self leveling curbs for pitched roofs**

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. Separate 1 pc. fully welded flange for field leveling of curb.

p.o. no. _____
 customer _____

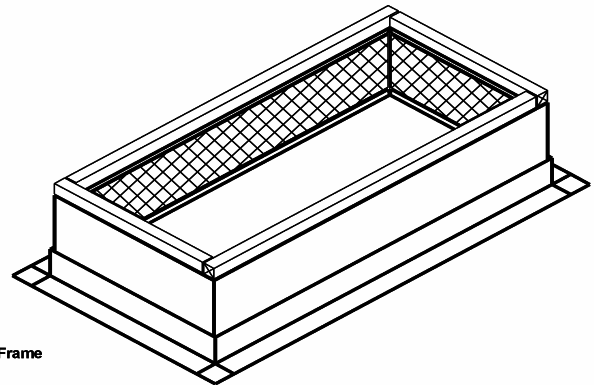
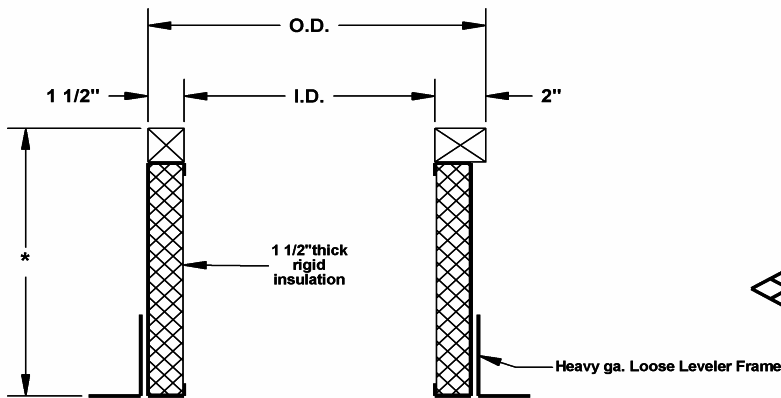
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-2-sl

pc-2b-sl



decks with lightweight fill

roof curb requirements

quantity	style	dimensions		* height	overhang b style	tag
		O.D.	I.D.			

pc-2p

the pacesetter in quality prefab roof products



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pate curbs for HVAC units

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. Foam gasket supplied with curb. Also available in **pc-1p** and **pc-5p** styles.

p.o. no. _____
 customer _____

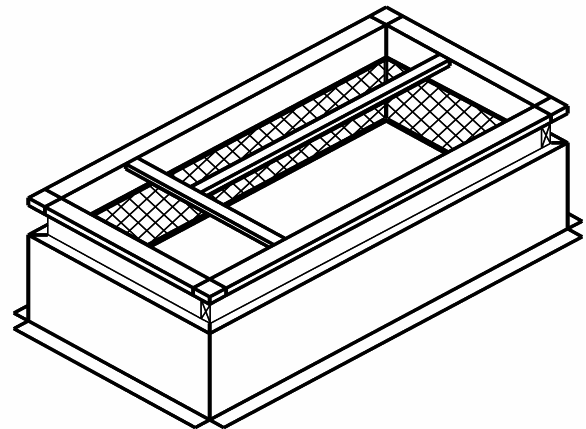
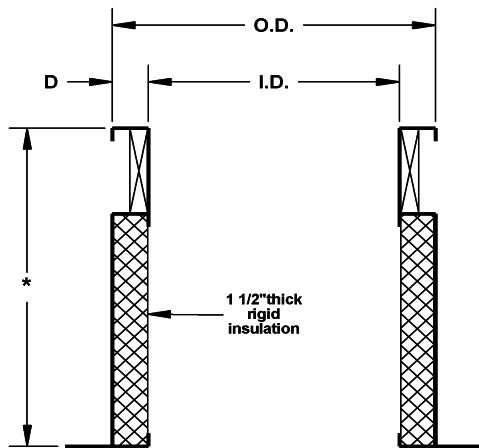
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-2p

pc-2p with optional duct frames shown



decks with lightweight fill or tapered insulation

roof curb requirements

quantity	style	dimensions		* overall height	RTU manufacturer & model	D	tag
		O.D.	I.D.				

pc-2p-sl

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pate self leveling curbs for HVAC units

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger dimensions. Separate 1 pc. fully welded flange for field leveling of curb. Foam gasket supplied with curb.

p.o. no. _____
 customer _____

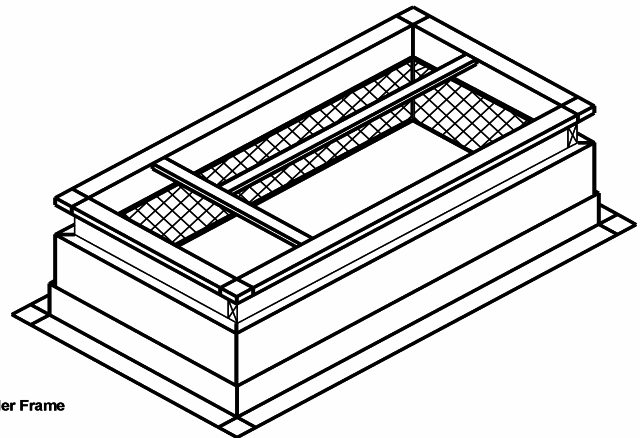
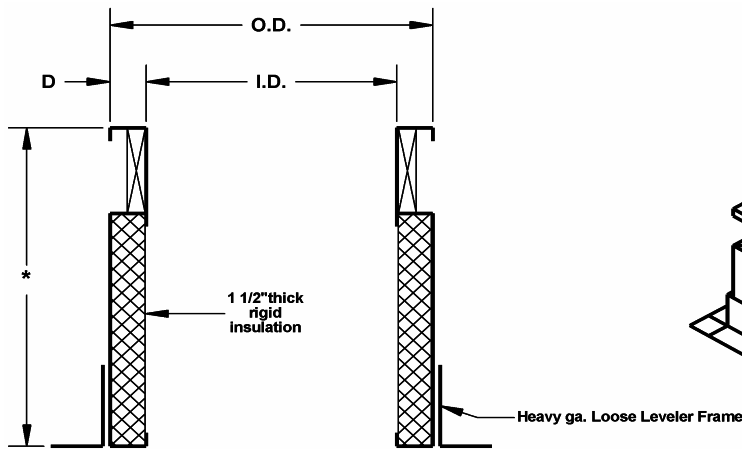
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-2p-sl

pc-2p-sl with optional duct frames shown



decks with lightweight fill

roof curb requirements

quantity	style	dimensions		* height	RTU manufacturer & model	D	tag
		O.D.	I.D.				

pc-2sf-sd

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pate self flashing side discharge curbs

standard construction

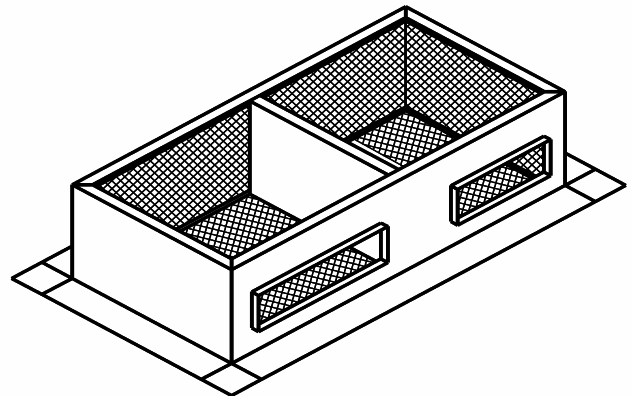
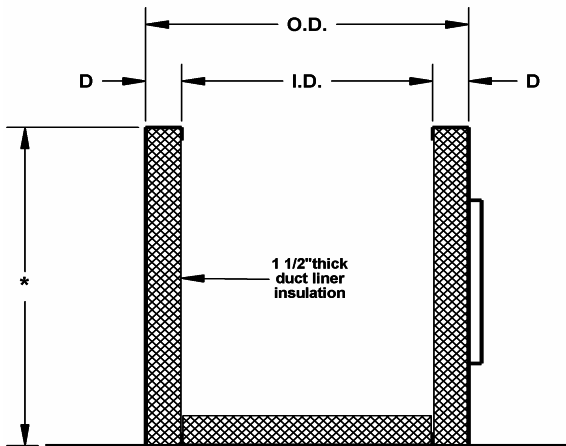
Heavy ga. galvanized steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick duct liner insulation. All curbs are internally reinforced. Insulated cross wall and 1 1/2" foam gasket provided for weatherproofing. Mounting flanges provided at side discharge openings.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pc-2sf-sd pate curbs shown with optional insulated solid bottom



roof curb requirements

quantity	style	dimensions		* overall height	supply opening w x h	return opening w x h	D	tag
		O.D.	I.D.					

pc-4-il

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**pate
 heavy duty AHU curb**

standard construction

Heavy ga. galvanized steel, unitized construction, full mitered corners, 1 1/2" thick rigid fiberglass insulation, with heavy ga. channel reinforced walls and pressure treated 2 x 4 wood nailer. Curb furnished with all wall, corner and cross brace splices, along with fasteners. Curbs can be furnished assembled or knocked down.

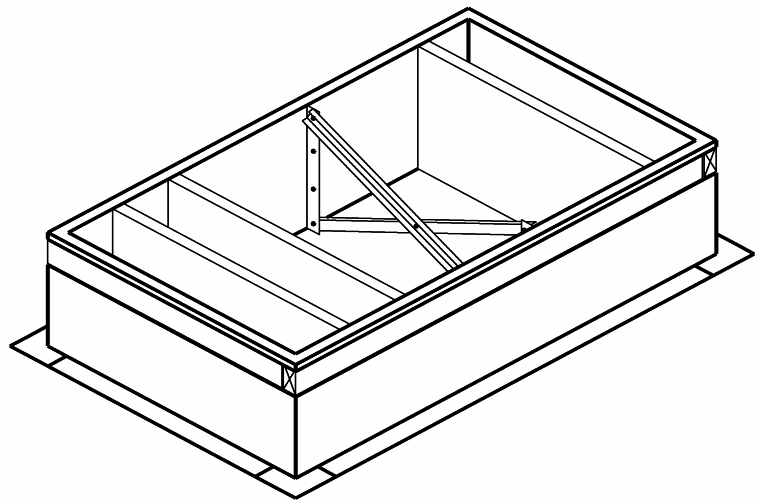
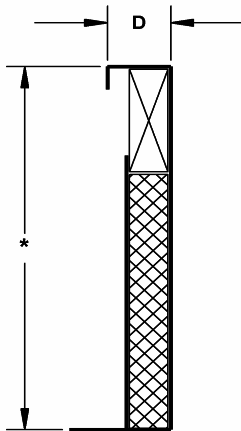
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pc-4-il



roof curb requirements

quantity	style	dimensions		* overall height	D	AHU manufacturer & model	tag
		O.D.	I.D.				

psc-1,2,5

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**pate
 sound curbs**

standard construction

Heavy ga. galvanized steel, unitized construction, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs internally reinforced in larger sizes. Sound baffles consist of 1" thick fiberglass. panels secured in a galvanized steel framework. Panel frames are shaped to reduce air flow interference. Baffle assembly is removable from curb. Also available in **psc-1** and **psc-5** styles.

p.o. no. _____
 customer _____

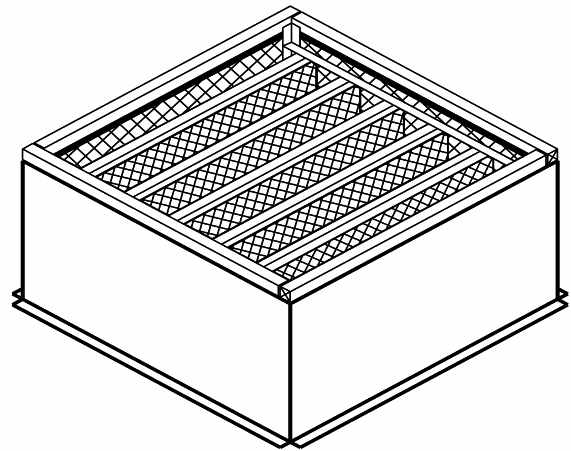
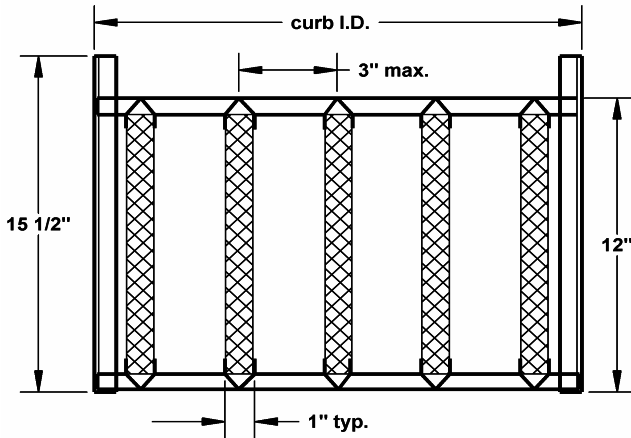
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

sound baffle assembly

psc-2 shown



*16" overall height std.

roof curb requirements

quantity	style	dimensions		* overall height	overhang b style	** raised cant height	tag
		O.D.	I.D.				

pc options

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pate curb options

standard options

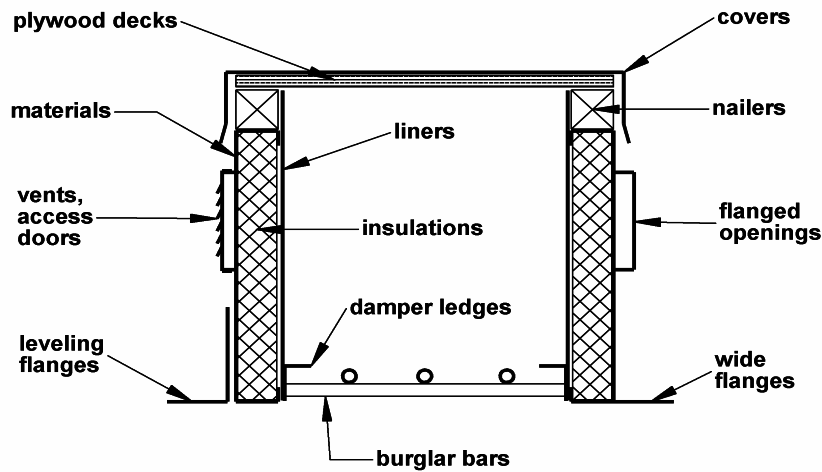
Shown is a partial list of the most popular options available from **the pate company**. All curbs are of heavy gauge material, unitized construction, full mitered corners, all seams welded, insulated, pressure treated wood nailer strip. Curbs are internally reinforced in larger dimensions. Also available on adapters.

p.o. no. _____
 customer _____

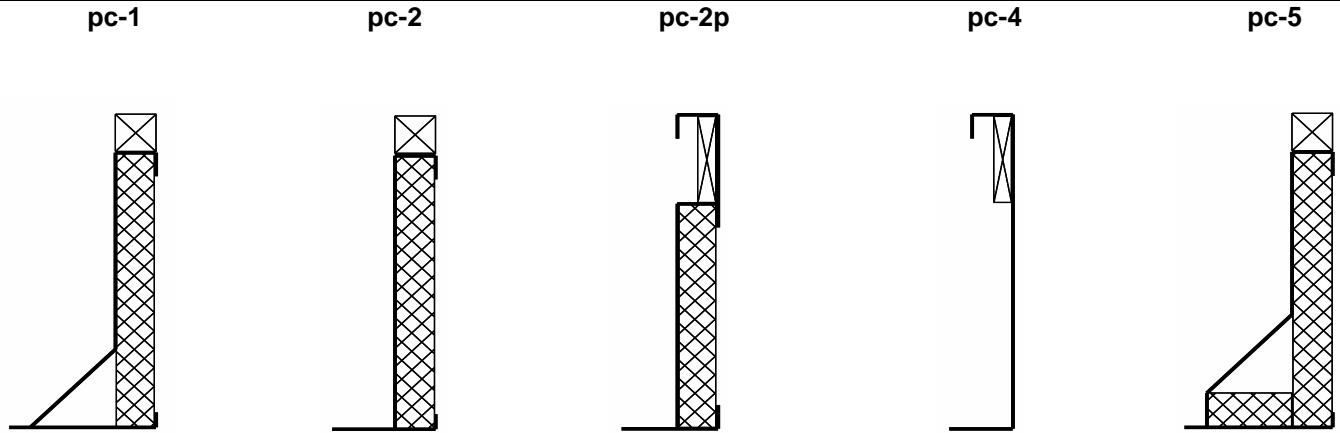
 project _____
 location _____

 architect _____
 engineer _____

pate curbs



roof curb styles



es-1

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pate equipment supports

standard construction

18 ga. galvanized steel, unitized construction with integral base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors.

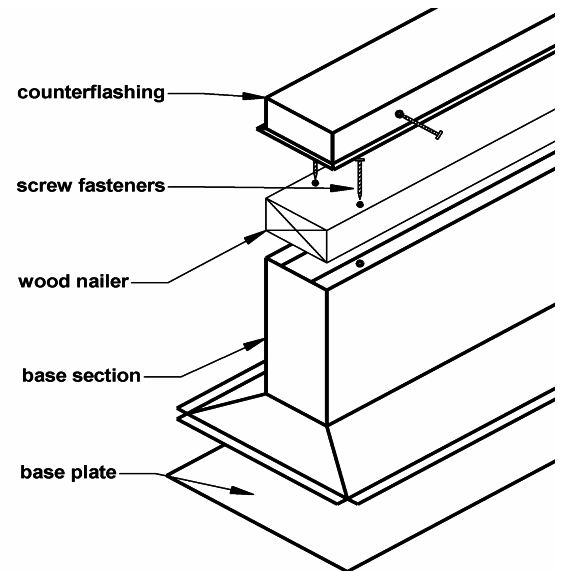
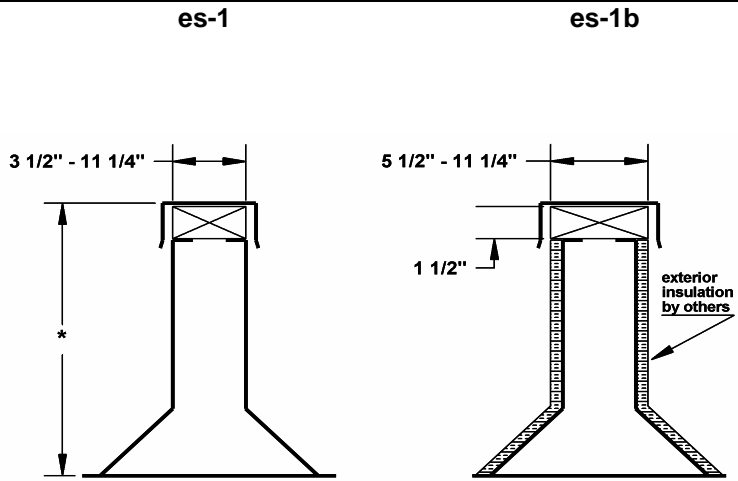
On **b** style supports, standard wood nailer has 1" overhang unless otherwise specified.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate equipment supports



non-insulated decks
 *standard height: 8" & 12"

equipment support requirements

quantity	style	nailer length	nailer width	* overall height	overhang b style	tag

es-2

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**pate
 equipment supports**

standard construction

18 ga. galvanized steel, unitized construction with integral base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors.

On **b** style supports, standard wood nailer has 1" overhang unless otherwise specified.

p.o. no. _____
 customer _____

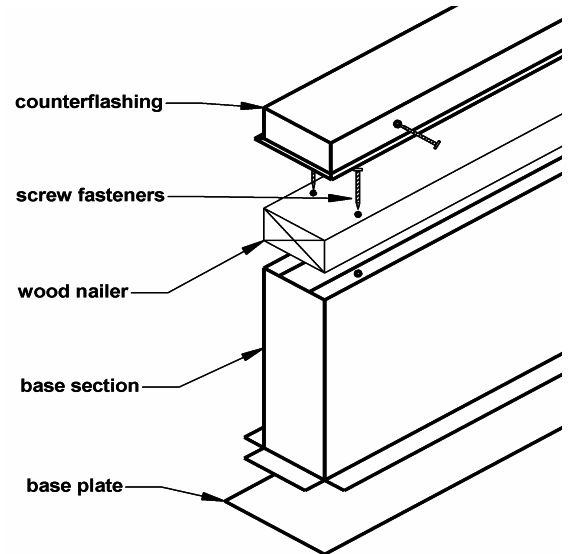
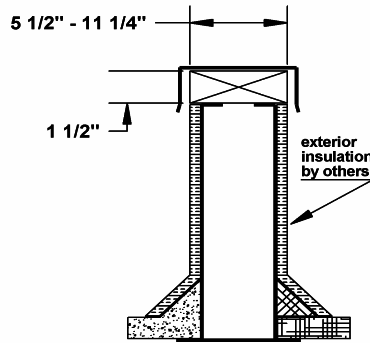
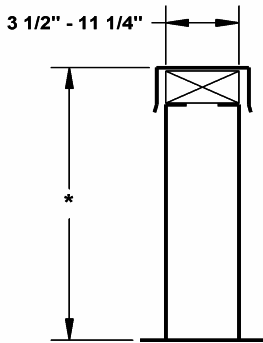
 project _____
 location _____

 architect _____
 engineer _____

pate equipment supports

es-2

es-2b



decks with lightweight fill or tapered insulation

*standard height: 12" & 16"

equipment support requirements

quantity	style	nailer length	nailer width	* overall height	overhang b style	tag

es-5

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**pate
 equipment supports**

standard construction

18 ga. galvanized steel, unitized construction with integral base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors.

On **b** style supports, standard wood nailer has 1" overhang unless otherwise specified.

p.o. no. _____
 customer _____

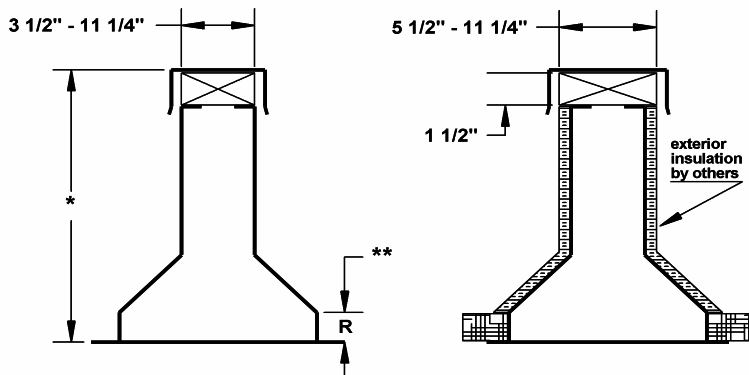
 project _____
 location _____

 architect _____
 engineer _____

pate equipment supports

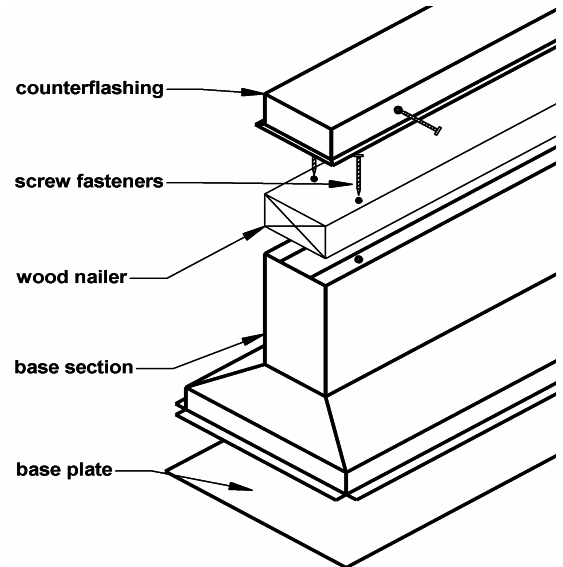
es-5

es-5b



decks with rigid insulation

*standard height: 9 1/2" & 13 1/2" ** (with 1 1/2"R)



equipment support requirements

quantity	style	nailer length	nailer width	* overall height	overhang b style	** raised cant height	tag

esnj-1,2,5

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**pate
 equipment supports with nailer jackets**

standard construction

18 ga. galvanized steel, unitized construction with integral base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors. 18 or 14 ga. nailer jackets welded to base section to restrain nailer under extreme uplift or twisting forces.
 Also available in **esnj-1** and **esnj-5** styles.

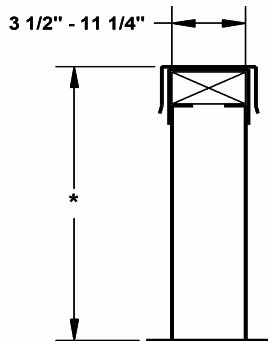
p.o. no. _____
 customer _____

 project _____
 location _____

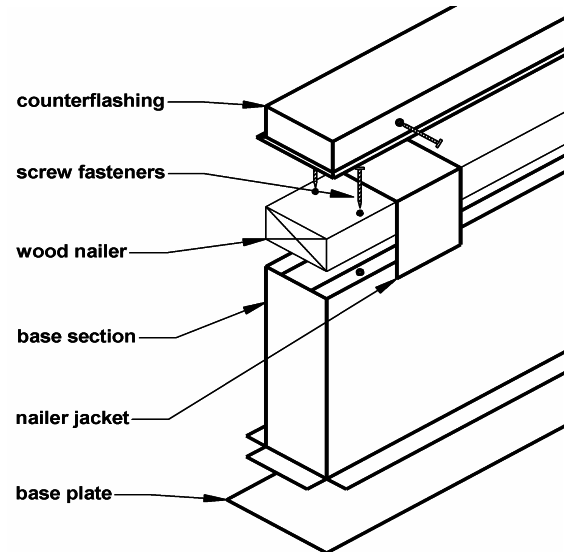
 architect _____
 engineer _____

pate equipment supports

esnj-2 shown



nailer jacket sizing		
forces	jacket gauge	jacket length
light	18	4"
heavy	14	5"



equipment support requirements

quantity	style	nailer length	nailer width	* overall height	gauge of nailer jacket	tag

es-1,2,5

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pate equipment supports

certified load bearing factors

The design values below have been established for standard ...
pate company... sections on the basis of physical test information.
 A minimum bearing width of 4 inches was used for all concentrated
 loads and reactions, with a minimum spacing of 2 feet. A factor of
 safety of 2 or greater is reflected by the recommended allowable
 loads. The information is compiled and certified by H. H. Holmes
 Testing laboratories, Inc. Laboratory No. 4550.0.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

models es-1,2,5

style	width and height	area in ²	moment of inertia in ⁴	section modulus in ³	*maximum allowable concentrated load lbs.	maximum allowable end reaction lbs.	maximum allowable intermediate reaction lbs.	maximum allowable uniform load lb./ft.
18 gauge - 8" above roof line								
es-1	3 1/2x8	1.388	6.371	1.46	1500	1800	1500	480
es-2	3 1/2x11	1.275	13.900	2.59	3100	3500	3100	900
es-5	3 1/2x9 1/2	1.543	10.955	2.12	1900	2300	1900	600
18 gauge - 12" above roof line								
es-1	5 1/2x12	1.962	29.215	3.95	2600	3200	2600	600
es-2	5 1/2x15	1.775	37.800	4.85	4300	4100	4100	1300
es-5	5 1/2x13 1/2	2.112	39.143	5.17	3300	4000	3300	750
18 gauge - 16" above roof line								
es-1	7 1/2x16	2.474	65.595	6.62	2100	2500	2100	600
es-2	7 1/2x19	2.275	79.930	7.85	4900	4000	4000	2500
es-5	7 1/2x17 1/2	2.624	82.540	7.71	2600	3200	2600	800
14 gauge - 8" above roof line								
es-1	3 1/2x8	2.163	9.904	2.27	2600	3200	2600	800
es-2	3 1/2x11	1.988	21.550	3.99	5400	6100	5400	1500
es-5	3 1/2x9 1/2	2.397	17.000	3.30	3300	4000	3300	1000
14 gauge - 12" above roof line								
es-1	5 1/2x12	3.063	45.621	6.17	4500	5600	4500	1000
es-2	5 1/2x15	2.768	58.840	7.56	7500	7100	7100	2000
es-5	5 1/2x13 1/2	3.299	60.192	7.74	5700	7000	5700	1300
14 gauge - 16" above roof line								
es-1	7 1/2x16	3.862	102.512	10.34	3600	4500	3600	1000
es-2	7 1/2x19	3.549	123.410	12.10	8000	7000	7000	3500
es-5	7 1/2x17 1/2	4.096	129.380	12.12	4500	5600	4500	1300

* all concentrated loads are based on a minimum bearing surface of 4" by the width of support. - all data also based on 8' 0" spacing of joists.

the above data is compiled and based solely on ...the pate company... design, and the engineered internal reinforcing structurally incorporated therein.

for your protection from liability it is recommended when specifying and/or approving equipment bases, that you receive certified load data from your supplier.

eb-1,2,5

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pate equipment base

standard construction

Heavy ga. galvanized steel, unitized construction, with integral base plate, continuous welded corner seams, fully insulated, pressure treated wood nailer. Internally re-inforced to conform with **pate** load bearing factors.

Also available in **eb-1** and **eb-2** styles. Optional inner liner available.

p.o. no. _____
 customer _____

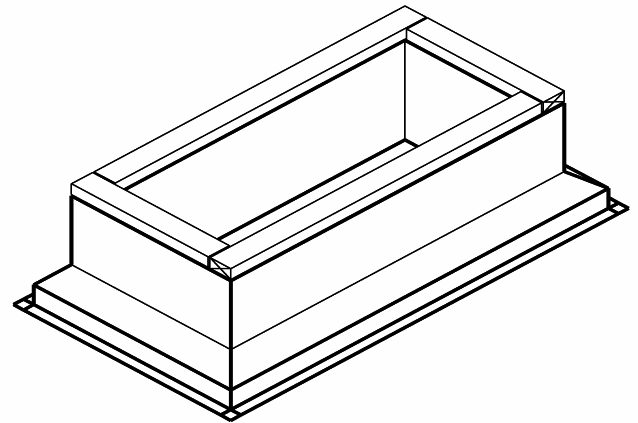
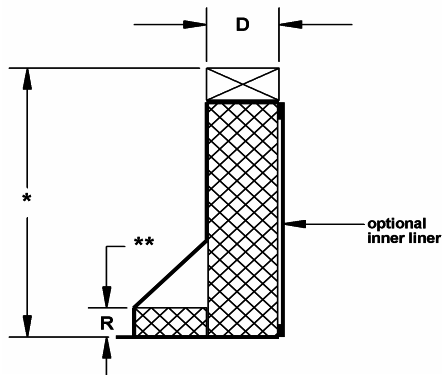
 project _____
 location _____

 architect _____
 engineer _____

pate equipment base

eb-5

eb-5 with optional inner liner shown



equipment base requirements

quantity	style	dimensions		* overall height	D	** raised cant height	tag
		O.D.	I.D.				

ceb-2,2p

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pate combination equipment base

standard construction

Heavy ga. galvanized steel construction with full mitered corners and all seams welded, 1 1/2" thick rigid fiberglass insulation in curb. Pressure treated wood nailer strip. All curbs are internally reinforced. Also available in **ceb-2** style.

p.o. no. _____
 customer _____

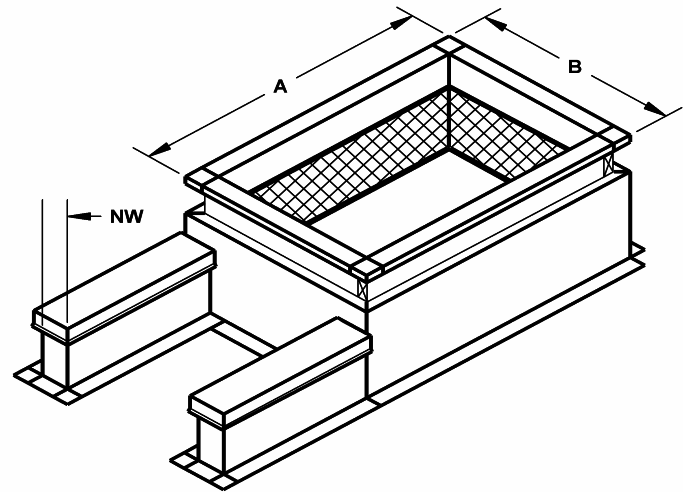
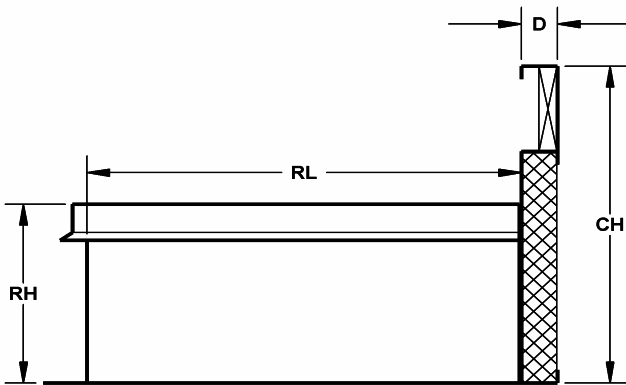
 project _____
 location _____

 architect _____
 engineer _____

pate combination equipment base

ceb-2p

ceb-2p shown



equipment base requirements

quantity	style	dimensions		CH	D	RH	RL	NW	tag
		O.D. A x B	I.D.						

sceb-1,2,5

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pate solid cover equipment base

standard construction

Heavy ga. galvanized steel, unitized construction, with full mitered corners and all seams welded, 1 1/2" thick rigid fiberglass insulation in curb. Pressure treated wood nailer, 3/4" exterior grade plywood deck and galvalume counterflashing. Larger sizes will have supplemental bracing under plywood deck.
 Also available in **sceb-1** and **sceb-5** styles.

p.o. no. _____
 customer _____

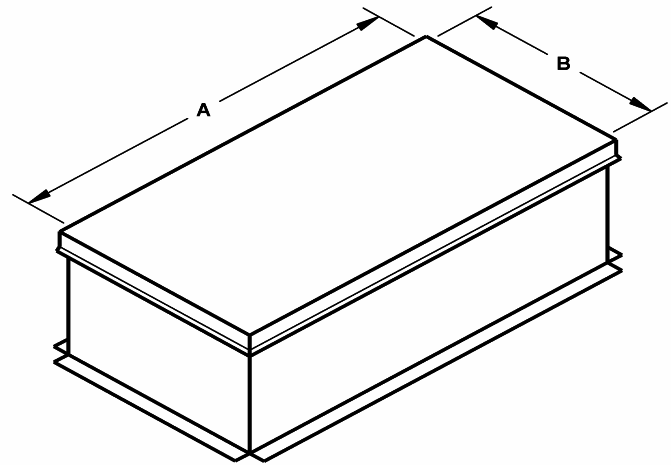
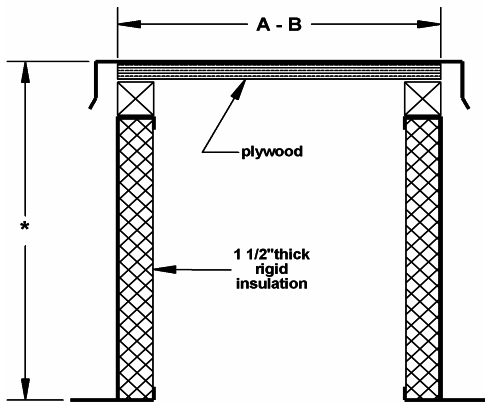
 project _____
 location _____

 architect _____
 engineer _____

pate equipment base

sceb-2

sceb-2 shown



equipment base requirements

quantity	style	dimensions		* overall height	wall thickness	raised cant ht. 5 style	plywood thickness	tag
		O.D. A x B	I.D.					

the roof as equipment site: an idea we strongly support

If you are planning space allocations for your metal buildings, and want to make every square foot count, raise your mechanical and operating equipment sites to the roof.

Why should equipment be allowed to take up valuable floor space when it can be securely installed above floor traffic and congestion . . . on the job but out of the way . . . less subject to vandalism . . . often reducing insurance costs while permitting more productive use of the building's total footage?

All things considered, a roof used only as a roof is a waste of equipment space!

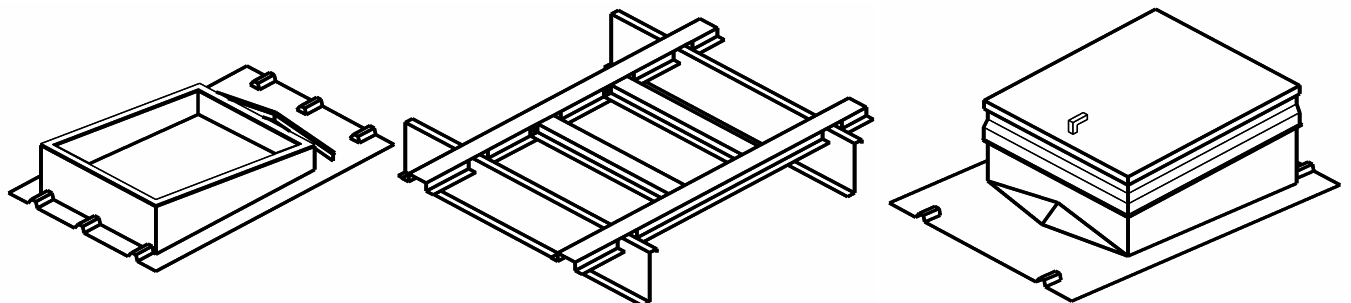
Roof utilization-a common practice in conventional construction-is gaining wide acceptance among metal building contractors and engineers. **the pate company®** is assisting with water-tight designs prefabricated for time-saving rooftop installations.

pate metal building curbs and equipment supports prepare the roof for occupancy by all types of loads and units - including hvac equipment, gas and refrigerant pipelines, and electrical conduits-while maintaining roof integrity. For example, **pate** curbs interface with ribbed or standing seam roof panels. They are cut from the same quality of galvalume steel. And they have built-in compensation for roof pitch.

pate curb service provides any consulting or advisory expertise required if roof-mounted equipment is something new to you or when special architectural features or types of equipment present problems. We work with you from the blueprint stage to make sure the job is done right.. .load properly supported and leveled . . . roof opening permanently sealed . . .

Commercial and industrial tenants of today's metal buildings are looking for efficient space planning. If equipment can be on the roof, it should be on the roof and **pate** can help you put it there.

pate® above all ... to prevent roof leaks



pc-2mb-1

the pacesetter in quality prefab roof products



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 www.patecurbs.com • e-mail: sales@patecurbs.com

pate metal building curbs

standard construction

Heavy gauge AZ-55 Galvalume steel shell, base plate and diverter, continuous welded corners, seams painted with rust inhibitive primer, closed cell foam gasket at top, 1 1/2" thick rigid fiberglass insulation. Standard construction includes roof pitch and design to conform to building manufacture's panel. Butyl tape furnished with curb. All curbs are internally reinforced in larger dimensions.

p.o. no. _____
 customer _____

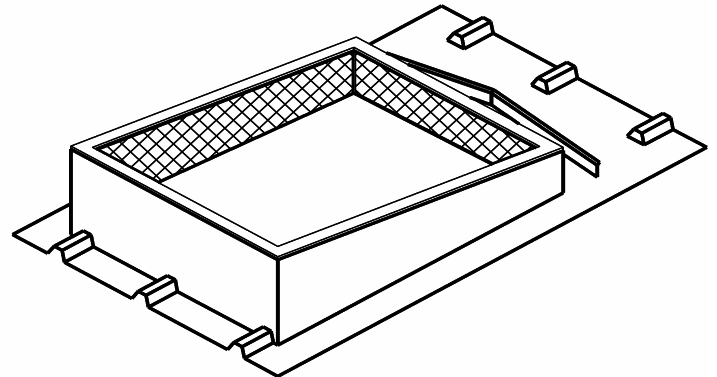
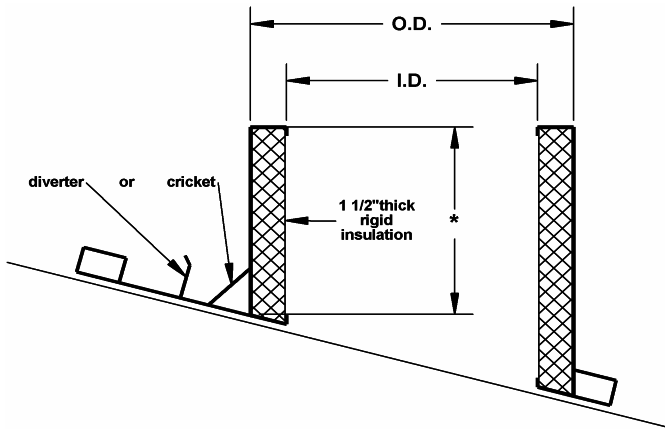
 project _____
 location _____

 architect _____
 engineer _____

pate metal building curbs

pc-2mb-1

pc-2mb-1 with diverter shown
(cricket optional)



one piece curb with welded in rib caps

metal building curb requirements

quantity	style	dimensions		min. ht. * 8" standard	roof pitch and direction	roof panel mfg. & model	curb mounting under/over , over/over	tag
		O.D.	I.D.					

pc-2mb-2

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pate metal building curbs

standard construction

Heavy gauge AZ-55 Galvalume steel shell, base plate and diverter, continuous welded corners, seams painted with rust inhibitive primer, closed cell foam gasket at top, 1 1/2" thick rigid fiberglass insulation. Standard construction includes roof pitch and design to conform to building manufacture's panel. Butyl tape furnished with curb. All curbs are internally reinforced in larger dimensions.

p.o. no. _____
 customer _____

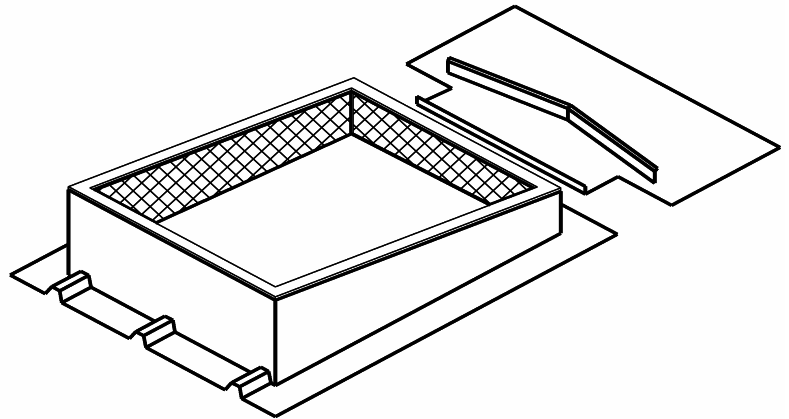
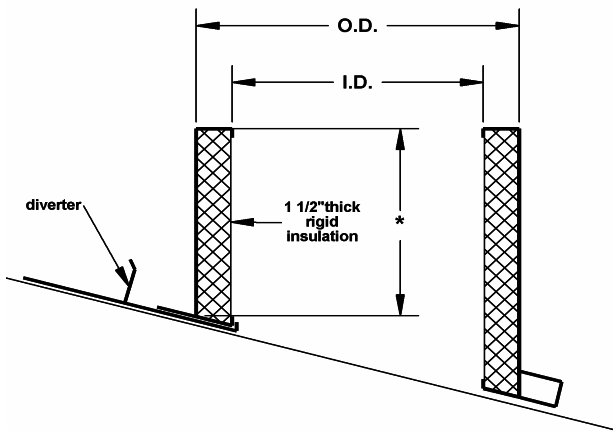
 project _____
 location _____

 architect _____
 engineer _____

pate metal building curbs

pc-2mb-2

pc-2mb-2 with diverter and optional rib caps shown



two piece curb with flat flanges and optional rib caps

metal building curb requirements

quantity	style	dimensions		min. ht. * 8" standard	roof pitch and direction	roof panel mfg. & model	rib cap application loose / welded / none	tag
		O.D.	I.D.					

pc-2mb-3

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pate metal building curbs

standard construction

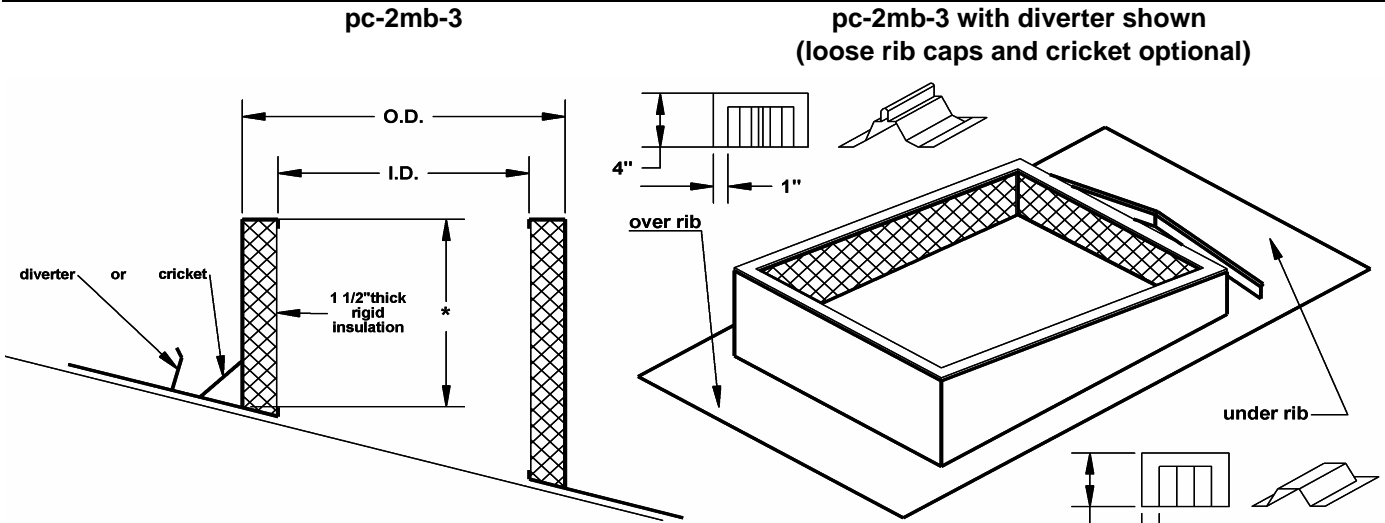
Heavy gauge AZ-55 Galvalume steel shell, base plate and diverter, continuous welded corners, seams painted with rust inhibitive primer, closed cell foam gasket at top, 1 1/2" thick rigid fiberglass insulation. Standard construction includes roof pitch and design to conform to building manufacture's panel. Butyl tape furnished with curb. All curbs are internally reinforced in larger dimensions.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building curbs



one piece curb with flat flanges and optional loose rib caps

metal building curb requirements

quantity	style	dimensions		min. ht. * 8" standard	roof pitch and direction	roof panel mfg. & model	curb mounting under/over , over/over	tag
		O.D.	I.D.					

pc-mb options

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pate metal building curbs

standard options

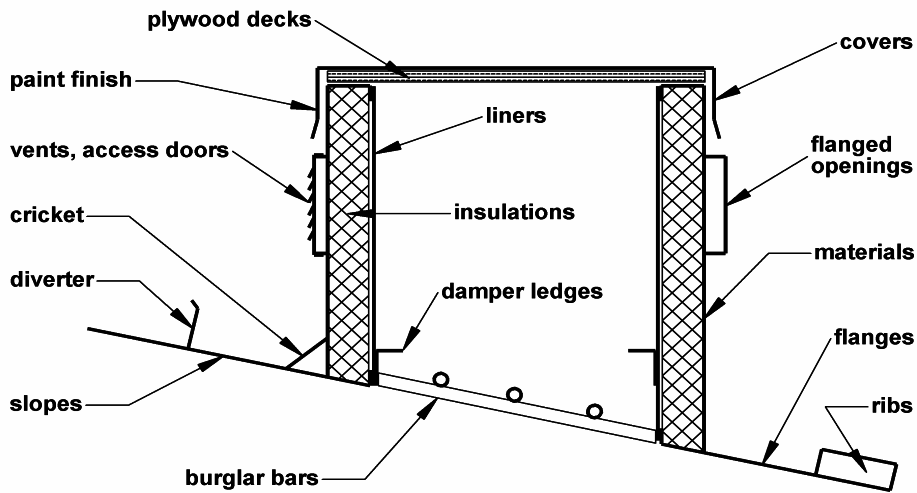
Shown is a partial list of the most popular options available from **the pate company**. All curbs are of heavy gauge material, unitized construction, full mitered corners, all seams welded and insulated. Curbs are internally reinforced in larger size dimensions. Also available on adapters.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building curbs

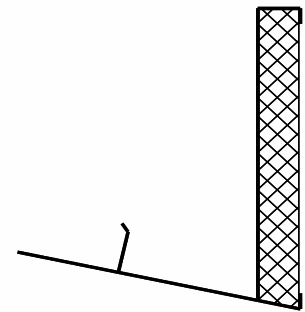
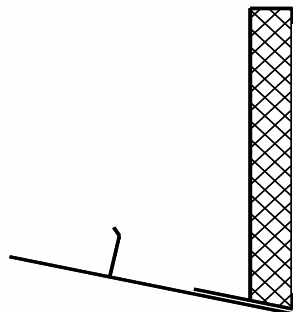
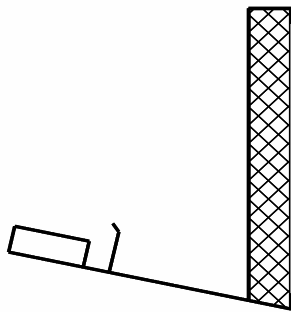


metal building curb styles

pc-2mb-1

pc-2mb-2

pc-2mb-3



pc-2mb-RTU

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pate metal building curbs for RTU

standard construction

Heavy gauge AZ-55 Galvalume steel shell, base plate and diverter, continuous welded corners, seams painted with rust inhibitive primer, closed cell foam gasket at top, 1 1/2" thick rigid fiberglass insulation. Standard construction includes roof pitch and design to conform to building manufacture's panel. Butyl tape furnished with curb. All curbs are internally reinforced in larger dimensions. Duct support channels and insulated pans furnished upon request.

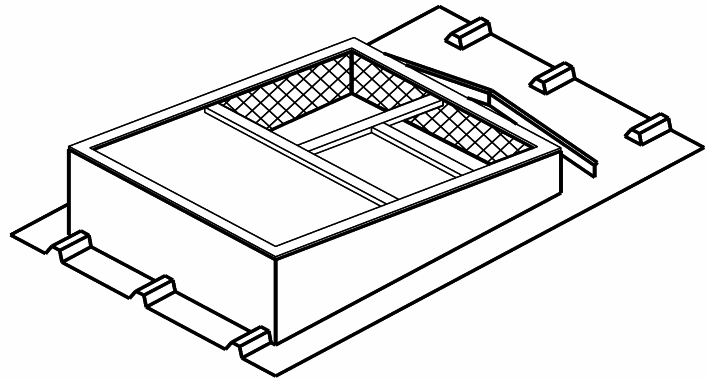
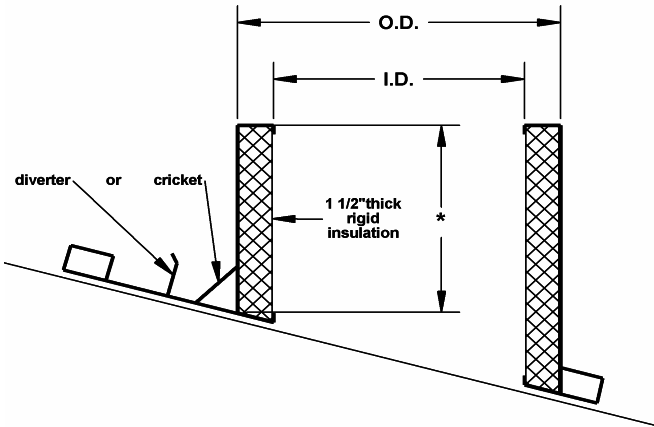
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building curbs

- pc-2mb-1** one piece curb with welded in rib caps
- pc-2mb-2** two piece curb with flat flanges and optional rib caps
- pc-2mb-3** one piece curb with flat flanges and optional loose rib caps



pc-2mb-1 shown with diverter (cricket optional)

metal building curb requirements

quantity	style	dimensions		min. ht. * 8" standard	roof pitch and direction	roof panel mfg. & model	rib cap application loose / welded	curb mounting under/over , over/over
		O.D.	I.D.					

pc-2mbrh-1,2,3

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pate metal building roof hatch

standard construction

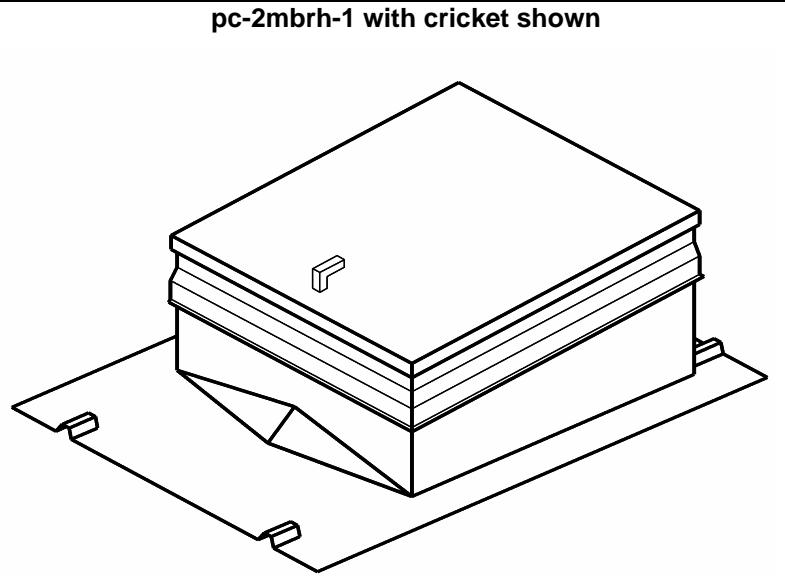
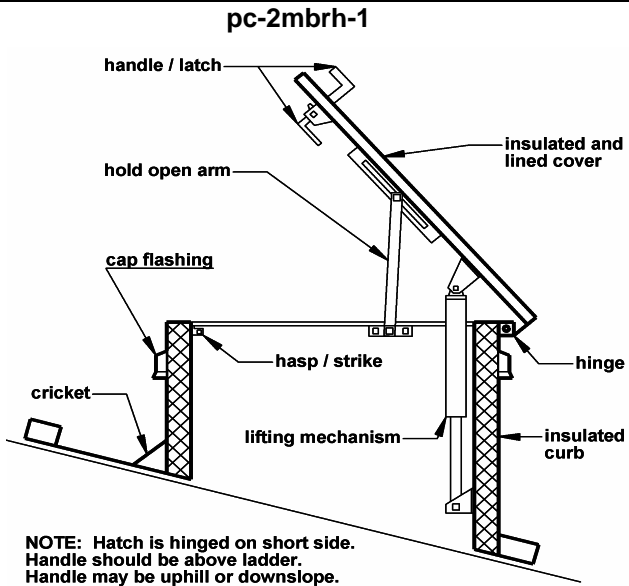
Heavy ga. galvanized steel construction, positive latching mechanism, 1" thick fiberglass insulation, automatic hold-open arm. Compression spring operators for smooth, easy one hand operation. Comes complete with galvalume curb in **pc-2mb-1, 2, or 3** style.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building roof hatch



NOTE: Hatch is hinged on short side.
 Handle should be above ladder.
 Handle may be uphill or downslope.
 Please specify.

metal building roof hatch requirements

quantity	style	dimensions		min. ht. * 12" standard	roof pitch	roof panel mfg. & model	rib cap application loose / welded / none	tag
		O.D.	I.D.					
	pc-2mbrh-							

es-2mb

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**pate
 metal building equipment support**

standard construction

18 gauge AZ-55 Galvalume steel, unitized construction with integral base plate, continuous welded corner seams, welded counterflashing with gasket, 3" continuous flanges. Internally re-inforced to conform with **pate** load bearing factors. Supports set in flats between major ribs.

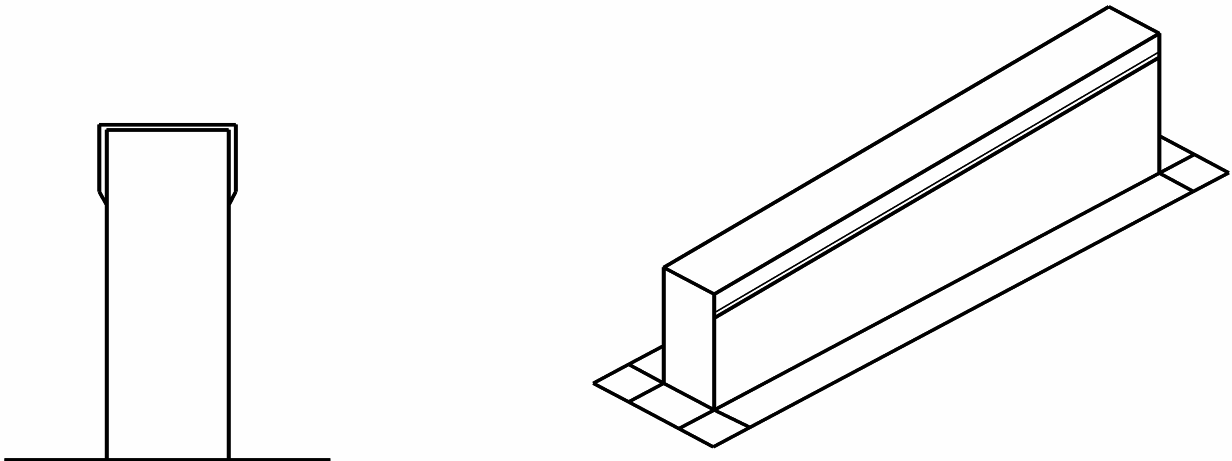
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building equipment supports

es-2mb



metal building equipment support requirements

quantity	style	length	width	minimum height	roof slope	tag

pc-mb-sc

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**pate
 metal building curb support channel**

standard construction

12 gauge galvanized steel channel construction. Support channel spans existing purlins to provide support for metal building curbs. Can be fabricated to span 2 or 3 purlins depending on curb size and/or location.

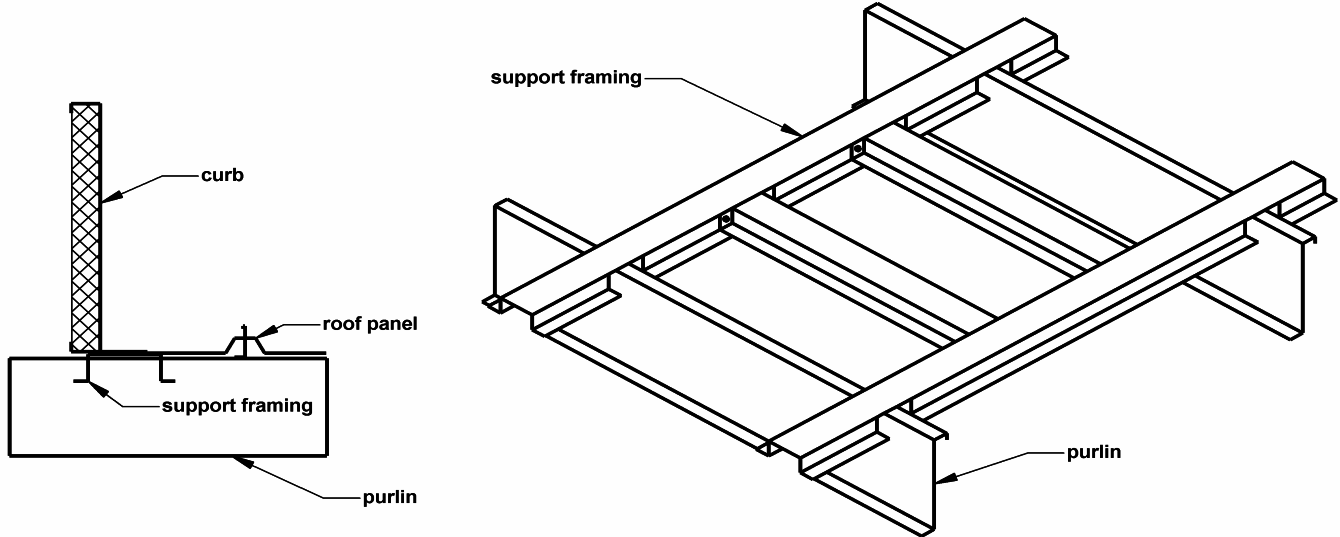
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate metal building curb support channel

pc-mb-sc



support channel requirements

quantity	curb length	curb width	number of purlins spanned	tag

ej-1,2,5

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**pate
 expansion joint curbs**

standard construction

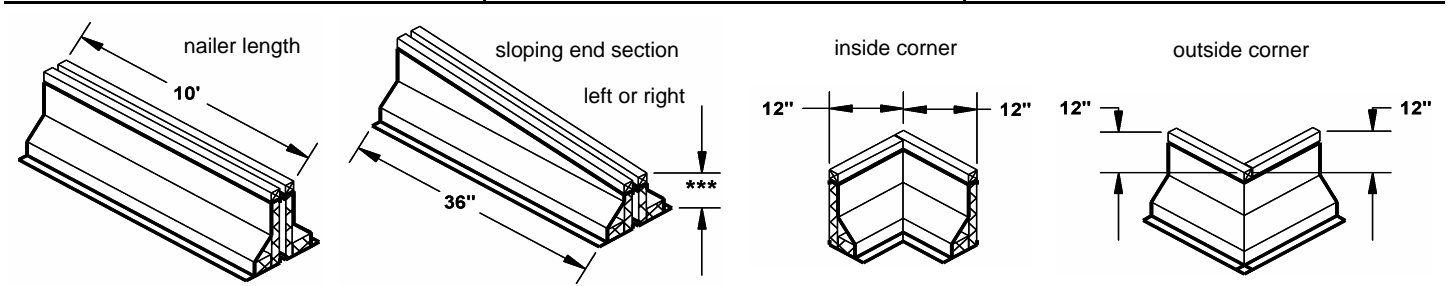
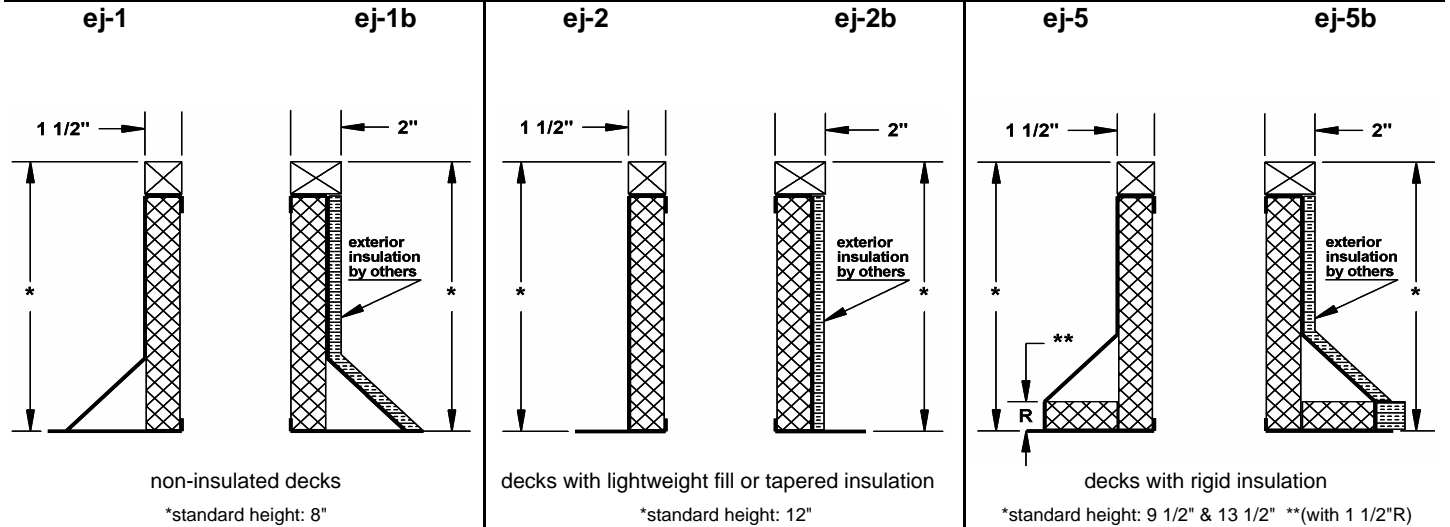
Heavy ga. galvanized steel, unitized construction, all seams welded, 1 1/2" rigid fiberglass insulation, pressure treated wood nailer strip, internally reinforced. On **b** style expansion joint overhang is 1/2" unless otherwise specified.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate expansion joint curbs



expansion joint curb requirements

quantity	style	nailer length	* overall height	** raised cant height	*** sloping low end ht.	nailer overhang b style	outside corner	inside corner	options

cj-1,2,5

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**pate
 control joint curbs**

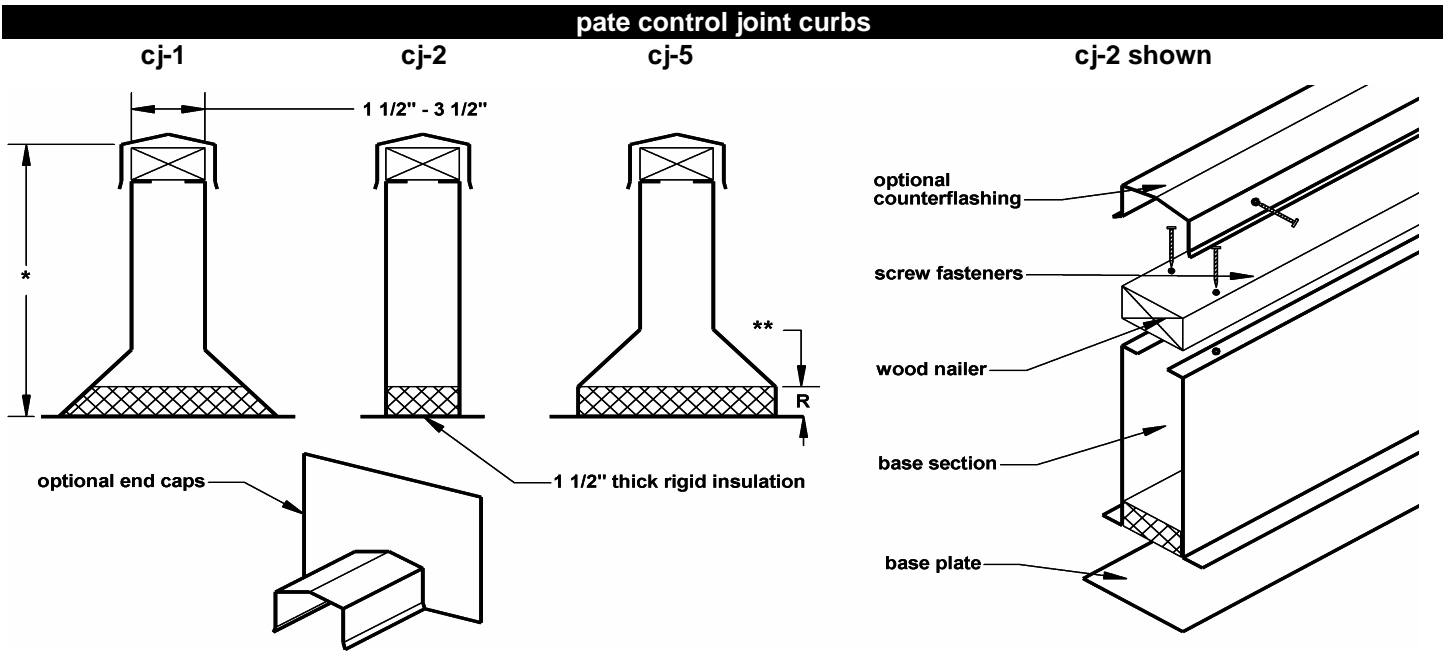
standard construction

Heavy ga. galvanized steel, unitized construction,
 internally re-inforced, integral base plate, pressure
 treated wood nailer strip and connector clips.
 Base internally insulated with 1 1/2" thick
 rigid fiberglass insulation.
 Optional counterflashing with screws.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____



control joint curb requirements								
quantity	style	nailer width	nailer length	* overall height	** raised cant height	*** sloping low end ht.	corners	tag

prs-1,2,5

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pate heavy duty pipe roller support

standard construction

Equipment support from heavy ga. Galvanized steel, continuous welded corner seams, 2 x 4 treated wood nailer, heavy ga. Galvanized steel counter-flashing with galvanized steel channel track attached. Roller assembly consists of galvanized steel channel track, galvanized steel fittings, washers and nuts and painted cast iron roller. Assembly permits both vertical and horizontal adjustment according to the chart below.

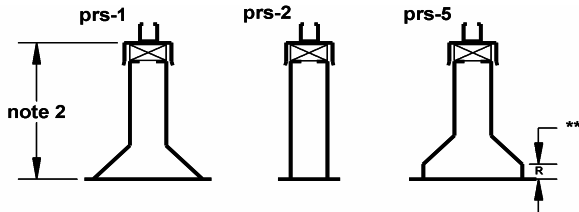
p.o. no. _____
 customer _____

 project _____
 location _____

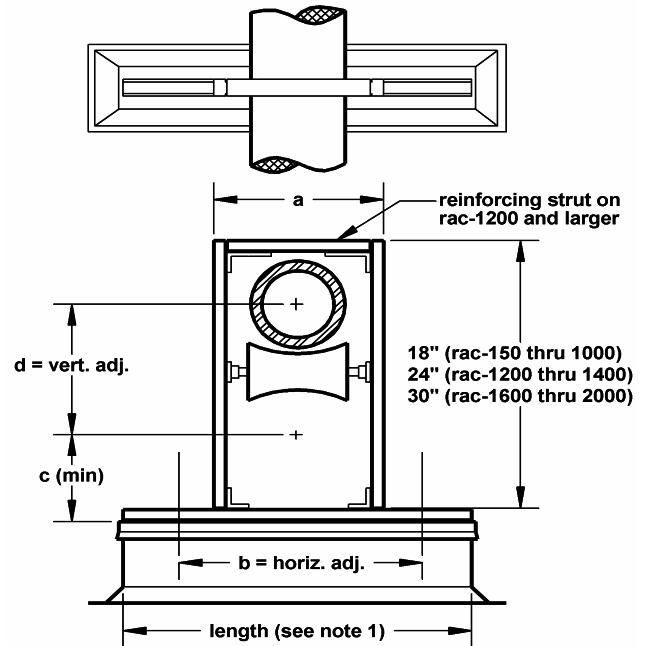
 architect _____
 engineer _____

pate heavy duty pipe roller supports

pipe size	rac #	a	b	c	d
1" - 1 1/2"	rac-150	6"	12"	4 1/4"	13"
2" - 3 1/2"	rac-350	7"	11"	5 1/4"	9 1/2"
4" - 6"	rac-600	9"	9"	7 1/4"	7 1/2"
8" - 10"	rac-1000	13 3/4"	10 1/4"	11 7/8"	2"
12"	rac-1200	15 3/4"	8 1/4"	13 7/8"	4 1/2"
14"	rac-1400	17 3/4"	6 1/4"	15 7/8"	3 1/4"
16"	rac-1600	19 3/4"	10 1/4"	17 7/8"	6 1/4"
18"	rac-1800	21 3/4"	8 1/4"	19 7/8"	4 1/4"
20"	rac-2000	23 3/4"	6 1/4"	21 7/8"	2"



- NOTES: 1. standard support length: 18" for pipe sizes 1" - 6"
 24" for pipe sizes 8" - 14"
 30" for pipe sizes 16" - 20"
2. standard support height: prs-1 = 8"
 prs-2 = 12"
 prs-5 = 9 1/2" (R = 1 1/2")
3. rac = roller assembly complete



IMPORTANT: All fasteners must be torqued to 40 ft./lbs.

pipe roller support requirements

quantity	prs style	rac #	support length (see note 1)	nailer width	support height (see note 2)	**raised cant height	tag

mprs-1,2,5

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pate multiple heavy duty pipe roller support

standard construction

Equipment support from heavy ga. Galvanized steel, continuous welded corner seams, 2 x 4 treated wood nailer, heavy ga. Galvanized steel counter-flashing with galvanized steel channel track attached. Roller assembly consists of galvanized steel channel track, galvanized steel fittings, washers and nuts and painted cast iron roller. Assembly permits both vertical and horizontal adjustment according to the chart below.

p.o. no. _____
 customer _____

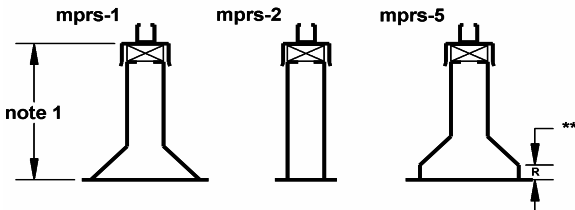
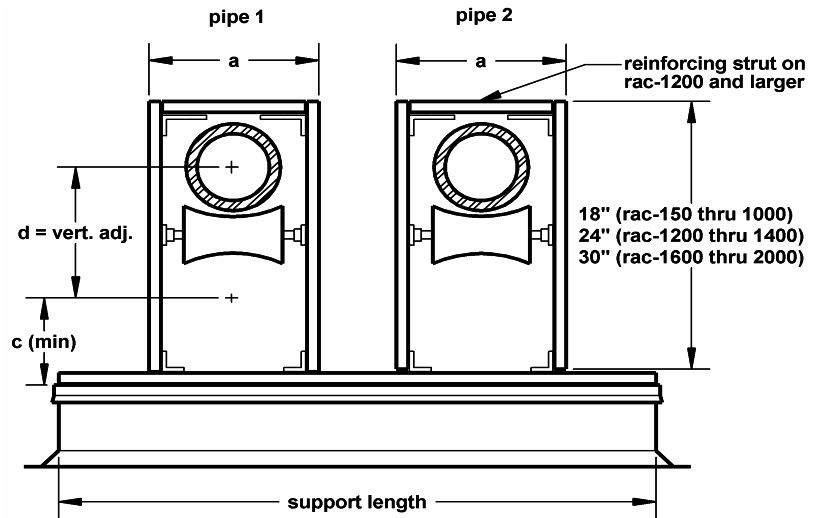
 project _____
 location _____

 architect _____
 engineer _____

pate heavy duty pipe roller supports

pipe size	rac #	a	c	d
1" - 1 1/2"	rac-150	6"	4 1/4"	13"
2" - 3 1/2"	rac-350	7"	5 1/4"	9 1/2"
4" - 6"	rac-600	9"	7 1/4"	7 1/2"
8" - 10"	rac-1000	13 3/4"	11 7/8"	2"
12"	rac-1200	15 3/4"	13 7/8"	4 1/2"
14"	rac-1400	17 3/4"	15 7/8"	3 1/4"
16"	rac-1600	19 3/4"	17 7/8"	6 1/4"
18"	rac-1800	21 3/4"	19 7/8"	4 1/4"
20"	rac-2000	23 3/4"	21 7/8"	2"

mprs-1 with two pipes supports shown



NOTES: 1. standard support height: mprs-1 = 8"
 mprs-2 = 12"
 mprs-5 = 9 1/2" (**R = 1 1/2")
 2. rac = roller assembly complete

IMPORTANT: All fasteners must be torqued to 40 ft./lbs.

pipe roller support requirements

quantity	mprs style	pipe 1 rac #	pipe 2 rac #	support length	nailer width	support height (see note 1)	**raised cant height	# of pipes per rail	tag

dss-1,2,5

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pate duct support system

standard construction

Support Rail

Heavy ga. galvanized steel, unitized construction with internal base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors.

Duct Mounting Hardware

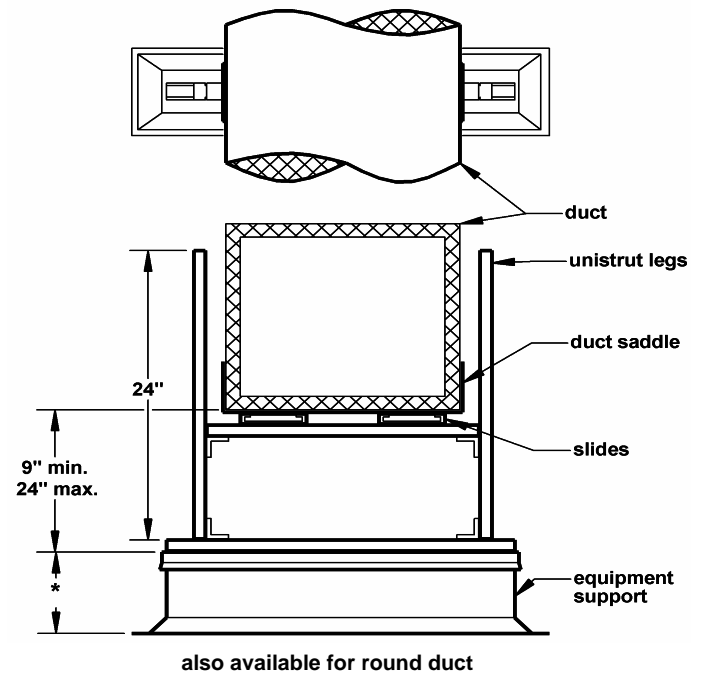
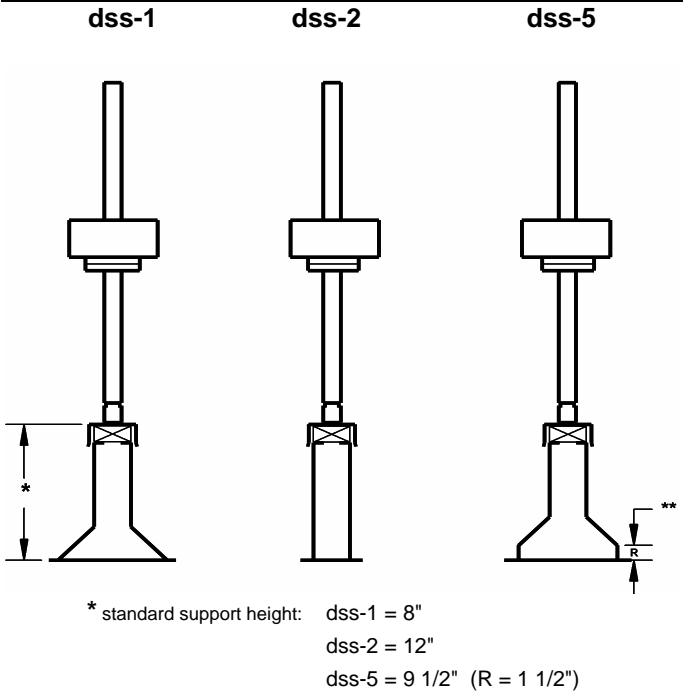
Unistrut legs, support saddle and slides to allow for duct movement, vertical and horizontal adjustment.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate duct support system



duct support system requirements

quantity	style	nailer length	nailer width	* overall height	** raised cant height	duct size	square or round	tag

mdss-1,2,5

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pate multiple duct support system

standard construction

Support Rail

Heavy ga. galvanized steel, unitized construction with internal base plate, continuous welded corner seams, pressure treated wood nailer, counterflashing with screws. Internally re-inforced to conform with **pate** load bearing factors.

Duct Mounting Hardware

Unistrut legs, support saddle and slides to allow for duct movement, vertical and horizontal adjustment.

p.o. no. _____

customer _____

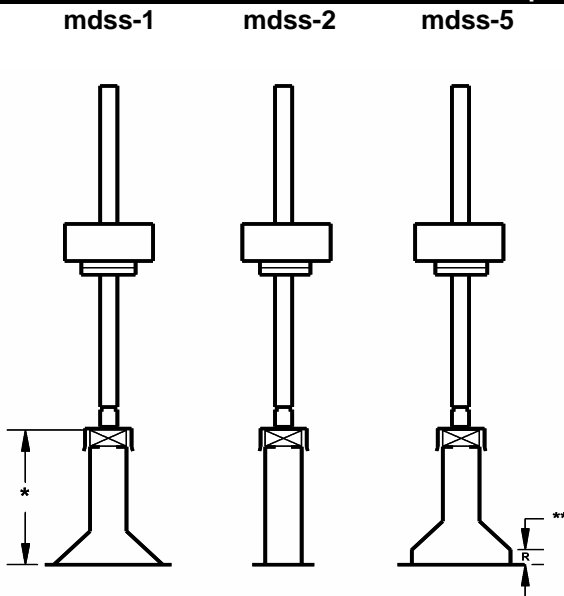
project _____

location _____

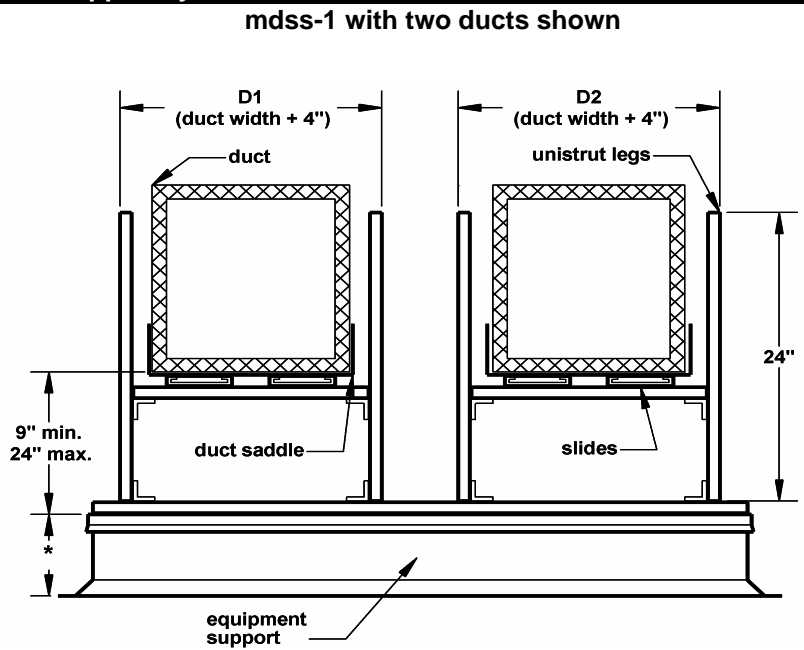
architect _____

engineer _____

pate duct support system



* standard support height: mdss-1 = 8"
 mdss-2 = 12"
 mdss-5 = 9 1/2" (R = 1 1/2")



also available for round duct

duct support system requirements

quantity	style	nailer length	nailer width	* overall height	D1	D2	duct size D1 W x H	duct size D2 W x H	# of ducts per rail	** raised cant height	tag

pc-ar

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pate
curb adapter reducer

standard construction

Heavy ga. galvalume steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation. All adapters reinforced in larger size dimensions. Foam gasket supplied with adapter.

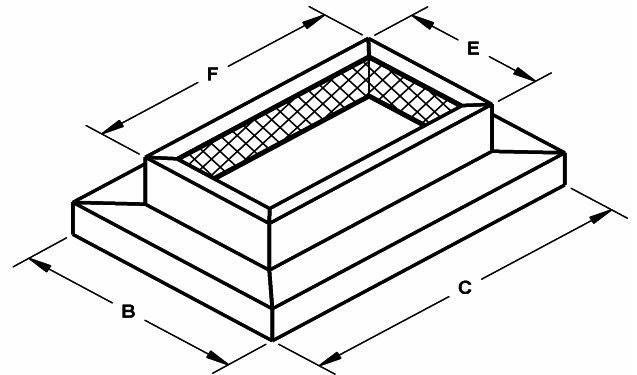
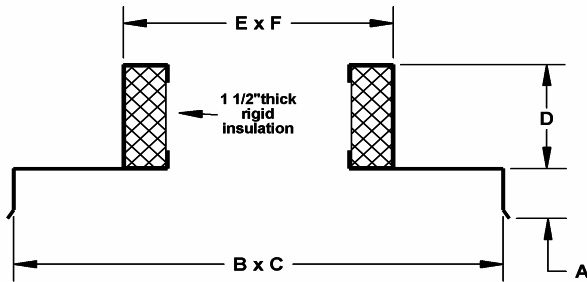
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate adapter

pc-ar



Options: galvanized, aluminum, stainless steel, damper ledge, access door, liners, vents

adapter requirements

quantity	tag	dimensions		A	DHP I.D.	D	options
		B x C	E x F				

pc-ai

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pate
curb adapter increaser

standard construction

Heavy ga. galvalume steel, unitized construction with full mitered corners, all seams welded, optional 1 1/2" thick rigid fiberglass insulation. All adapters reinforced in larger size dimensions. Foam gasket supplied with adapter.

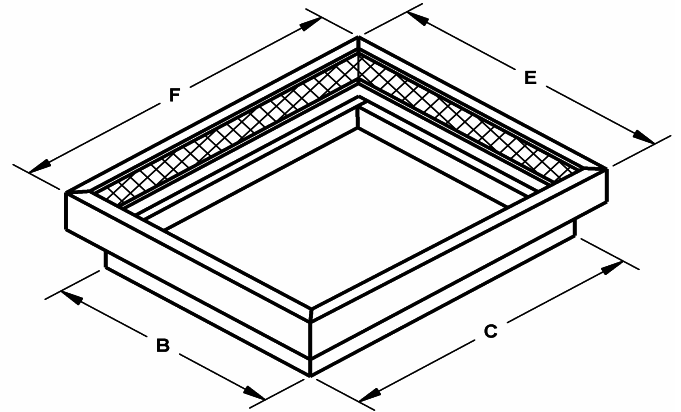
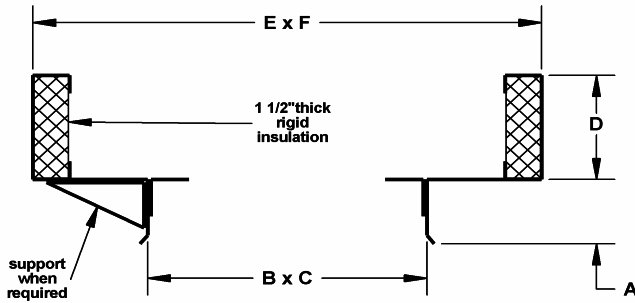
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pc-ai pate adapter

pc-ai



Options: galvanized, aluminum, stainless steel, damper ledge, access door, liners, vents

adapter requirements

quantity	tag	dimensions		A	DHP I.D.	D	options
		B x C	E x F				

pc-at

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**pate
 transition curb adapter**

standard construction

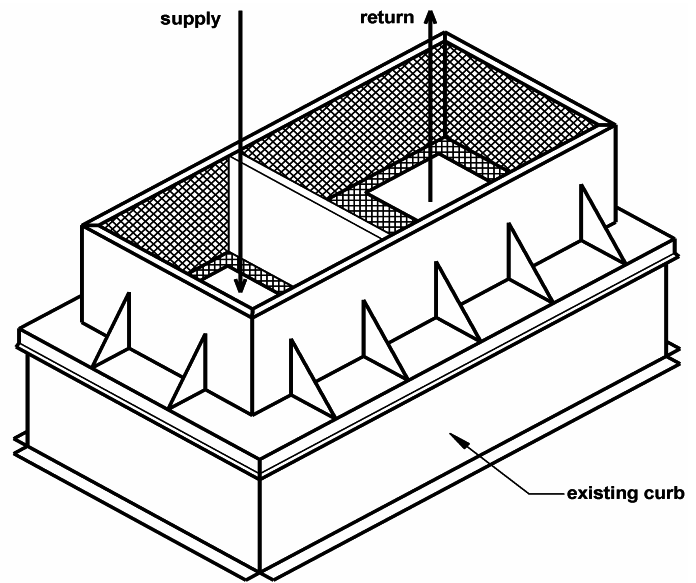
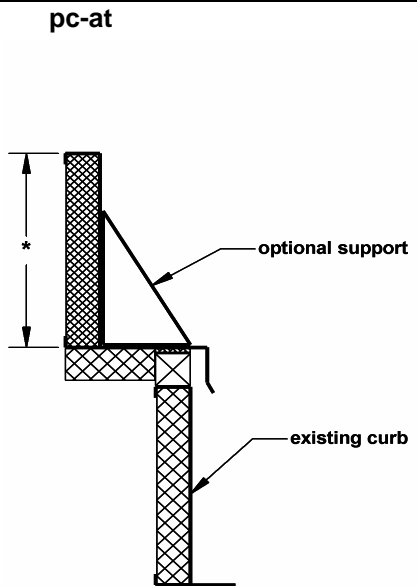
Heavy ga. galvalume steel, unitized construction with full mitered corners and all seams welded. 1 1/2" duct liner insulation, internally reinforced to support imposed equipment loads. Includes transitions from existing ductwork to new. Foam gasket supplied with adapter.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate adapter



adapter requirements

quantity	existing manufacturer and model #	new manufacturer and model #	new unit CFM	*height	tag

pc-asdp

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**pate
 side discharge plenum adapter**

standard construction

Heavy ga. galvalume steel, unitized construction with full mitered corners and all seams welded. 1 1/2" duct liner insulation in walls and on solid bottom. Openings with duct flanges and foam gasket provided. Adapters are internally reinforced in larger size dimensions. Matching base curb in one of **pate's** six styles.

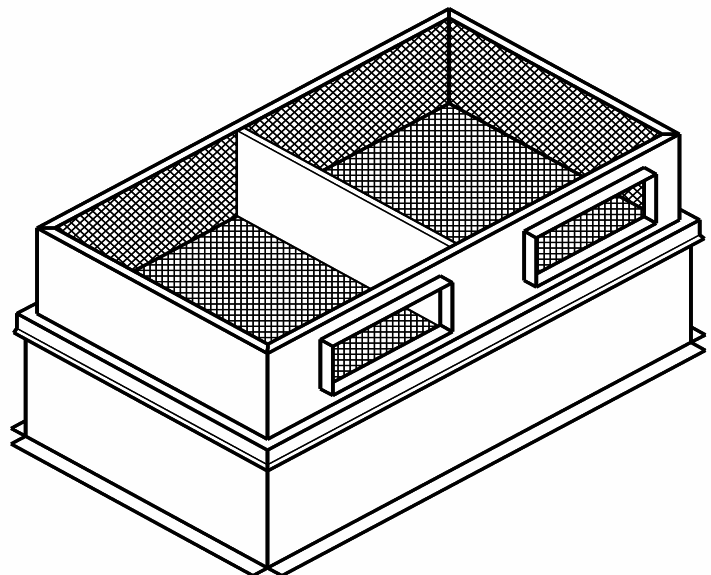
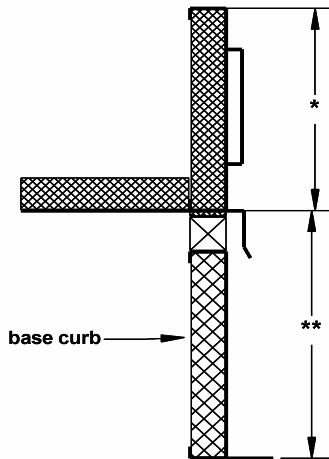
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate adapter

pc-asdp



adapter requirements

quantity	base curb style	dimensions		* overall height	cross wall location	** base curb height	tag
		O.D.	I.D.				

pc-afc

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pate filter curb adapter

standard construction

Heavy ga. galvalume steel, unitized construction with full mitered corners and all seams welded. 1 1/2" duct liner insulation, lined supply. Galvanized base curb has pressure treated 2 x 4 wood nailer strip and insulated solid bottom. All curbs are internally reinforced. Filter adapter has hinged access door with cam lock closures for filter maintenance.

Filters by others.

Foam gasket provided for weatherproofing.

p.o. no. _____

customer _____

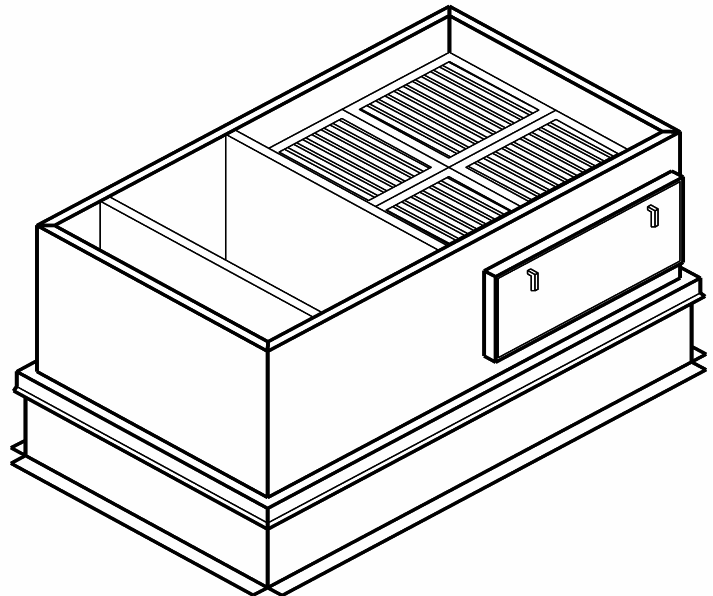
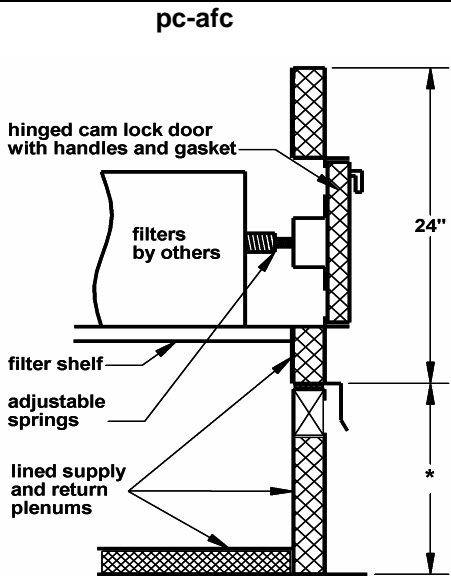
project _____

location _____

architect _____

engineer _____

pc-afc pate adapter



adapter requirements

quantity	base curb style	dimensions		* base curb height	RTU manufacturer & model	tag
		O.D.	I.D.			

pc-aceb

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**pate
 curb extension box**

standard construction

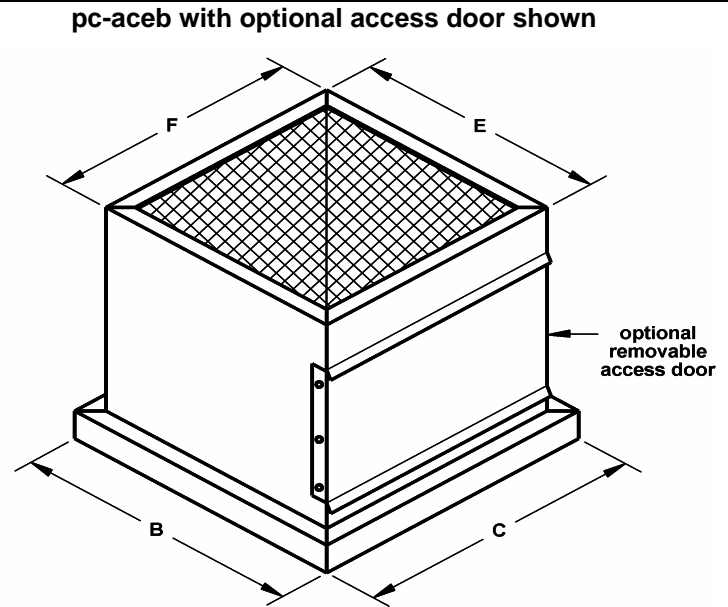
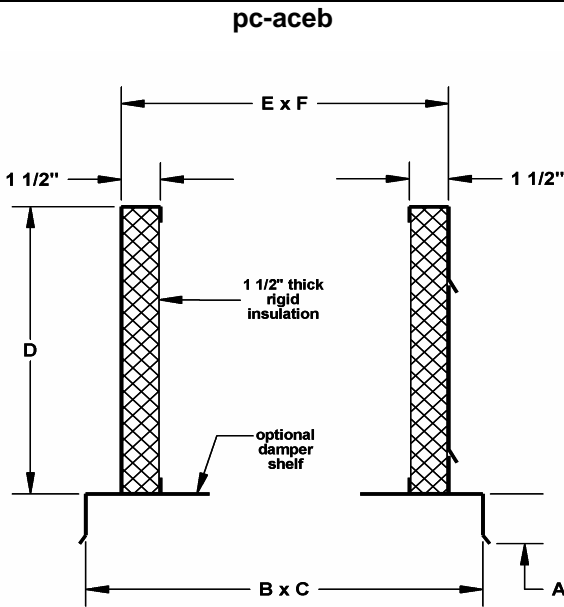
Heavy ga. galvalume steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation. All adapters reinforced in larger size dimensions. Foam gasket supplied with adapter.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate adapter



adapter requirements

quantity	tag	dimensions		A	DHP I.D.	D	options
		B x C	E x F				

pc-ave

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**pate
 curb adapter vented extension**

standard construction

Heavy ga. galvalume steel, unitized construction with full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation. All adapters reinforced in larger size dimensions. Foam gasket supplied with adapter.

p.o. no. _____
 customer _____

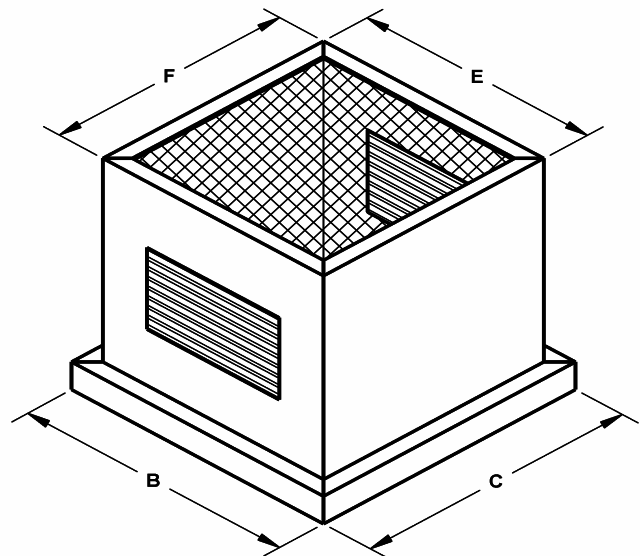
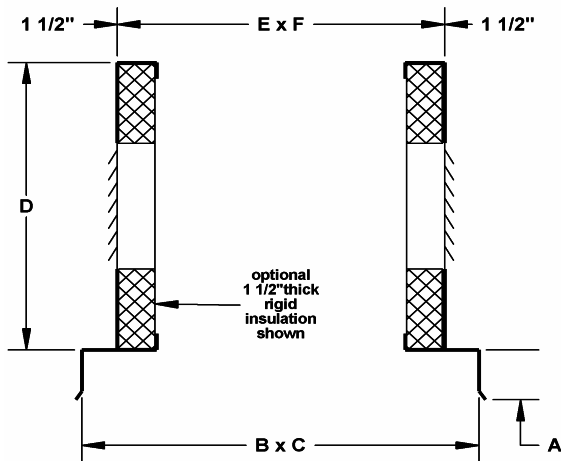
 project _____
 location _____

 architect _____
 engineer _____

pate adapter

pc-ave

pc-ave with 2 vents and optional insulation shown



adapter requirements

quantity	tag	dimensions		A	DHP I.D.	D	options
		B x C	E x F				

pc-akv

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**pate
 kitchen ventilation adapter**

standard construction

Heavy ga. galvalume steel construction with full mitered corners and all seams welded, 1 1/2" thick rigid fiberglass insulation. Optional vents with screens on exhaust side. Foam gasket supplied with adapter.

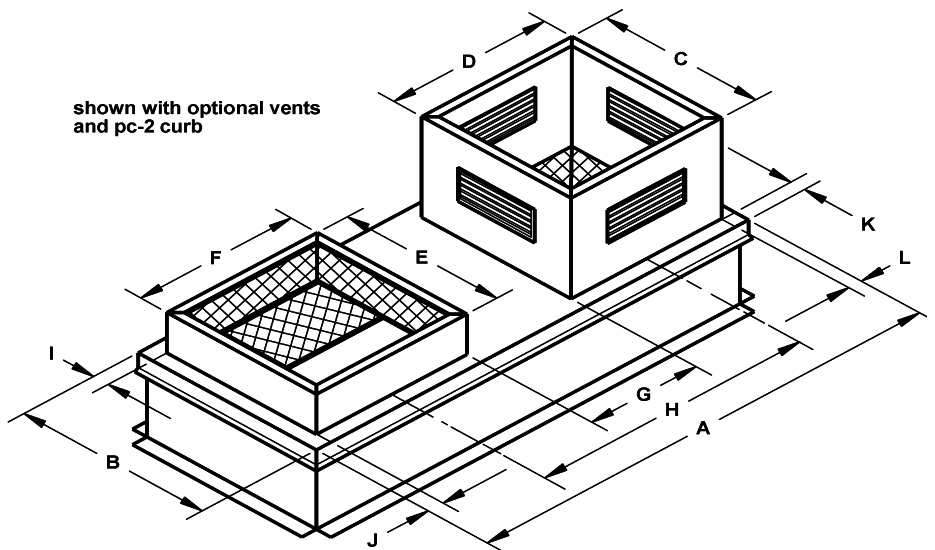
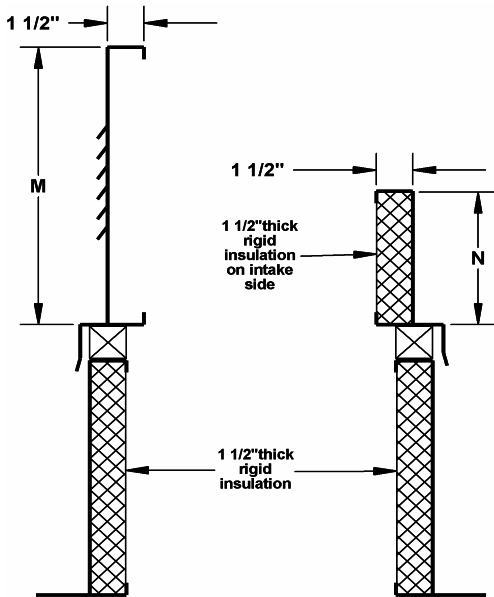
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate adapter

pc-akv



shown with optional vents and pc-2 curb

adapter requirements

quantity	A	B	C	D	E	F	G	H	I	J	K	L	M	N	tag

pca-1,2,5 instructions

the pacesetter in quality prefab roof products



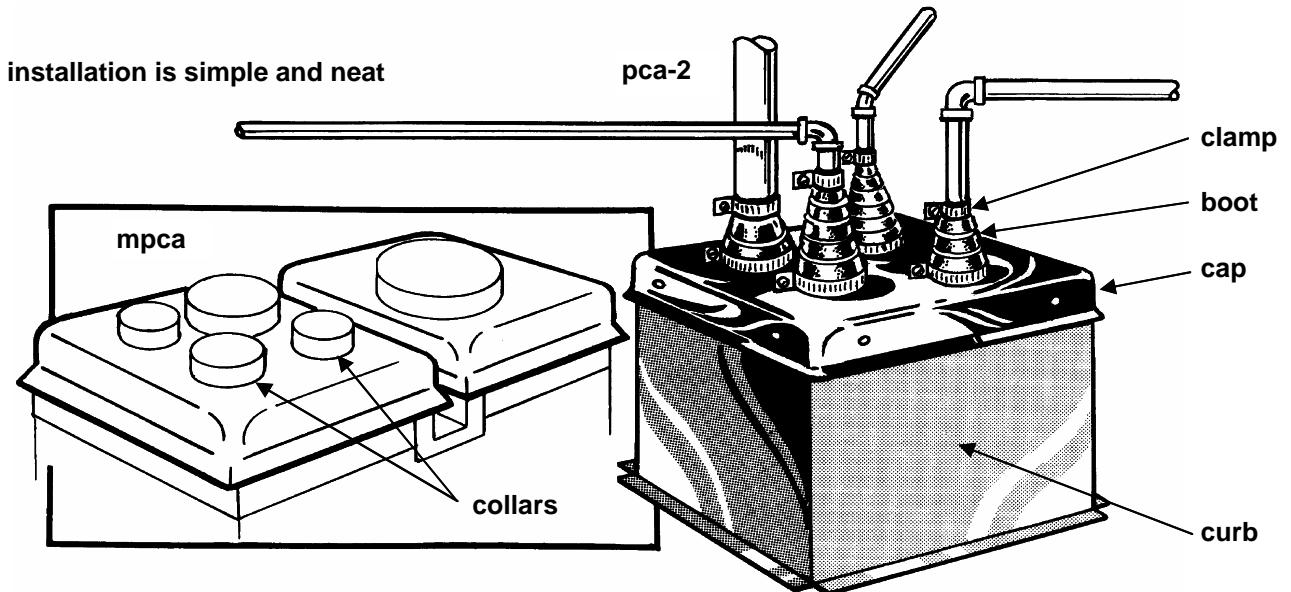
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pate pipe curb assembly

installation instructions

1. Cut off top of raised pipe collar(s) on cap with hacksaw at scoring.
2. Cut off one collar for each pipe penetration leaving unused collar(s) intact.
3. Slide cap over pipe(s) and curb.
4. Secure cap to curb with screws.
5. Cut off top of pvc boot with scissors or sharp knife at step size equal to or one size smaller than pipe o.d.
6. Slide pvc boot over pipe and down over collar on cap. Make sure boot base is all the way down over collar.
7. Secure boot base to collar with adjustable clamp.
8. Secure boot top to pipe with adjustable clamp.

pate pipe curb assembly installation instructions



curb cap package options

The...**pate pipe curb assembly**...is specially designed to permanently seal multiple pipes that penetrate any roof. This all-in-one unit needs only one roof opening, is leak proof and durable under all weather conditions. Comes ready to install, including: roof curb, cap, various boots for pipes from 3/8" to 10 3/4" actual O.D., and adjustable clamps.

Multiple **mpca** units available to accommodate 2 or more **pcc caps** on a common curb.

In stock for immediate delivery.

cap and boot packages

NOTE: sizes listed are actual O.D.

pcc-1 for up to 4 pipes: 1/2" - 2 7/8" O.D.

pcc-2 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and 1 pipe: 3" - 5 1/2" O.D.

pcc-2q6 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 4 pipes: 3/8" - 2" O.D.

pcc-3 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 2 pipes: 3" - 5 1/2" O.D.

pcc-3q6 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 8 pipes: 3/8" - 2" O.D.

pcc-4 for 1 pipe: 6" - 10 3/4" O.D.

pcc-5 for up to 5 pipes: 1/2" - 2 7/8" O.D.

pcc-6 for 1 pipe: 3" - 5 1/2" O.D.

pcc-6q6 for up to 4 pipes: 3/8" - 2" O.D.

pate pipe curb assemblies

standard construction

pipe curb assembly shall consist of heavy ga. galvanized steel roof curb, unitized construction, with integral base plate, 1 1/2" insulation and 2 x 2 treated wood nailer. Unit shall be furnished with acrylic clad thermoplastic cover, fastening screws, graduated step boots with stainless steel clamps.

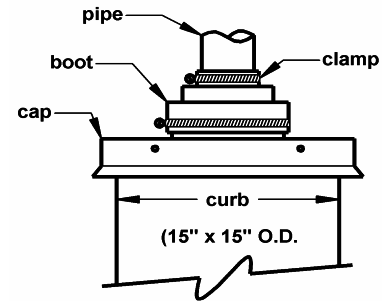
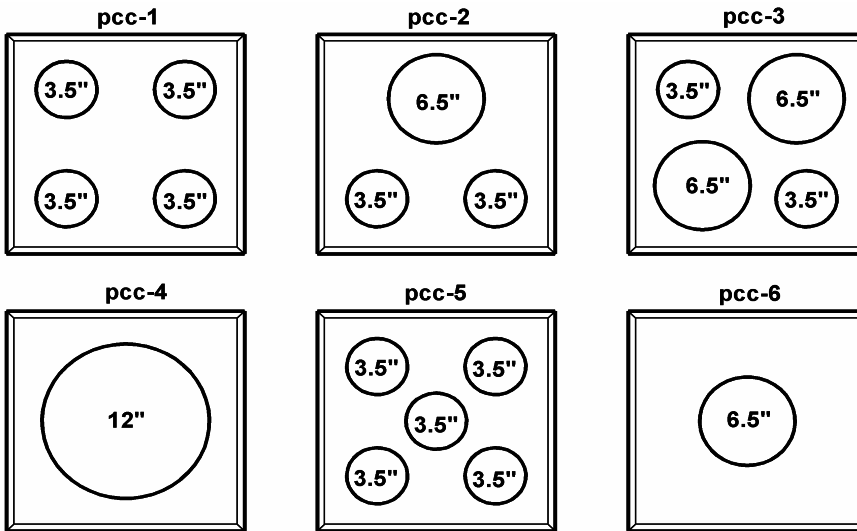
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate pipe curb assemblies

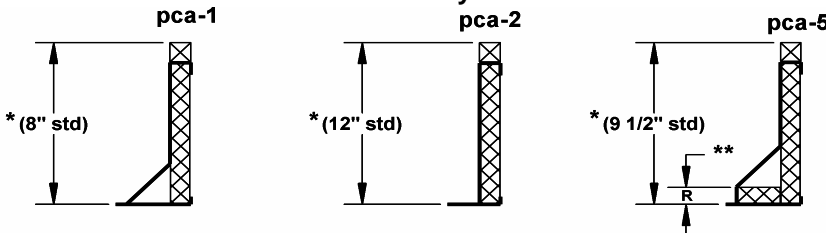
cap styles




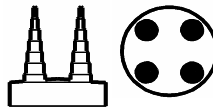
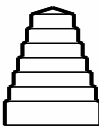
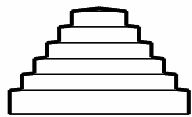
cap and boot packages

- NOTE:** sizes listed are actual O.D.
- pcc-1** for up to 4 pipes: 1/2" - 2 7/8" O.D.
 - pcc-2** for up to 2 pipes: 1/2" - 2 7/8" O.D. and 1 pipe: 3" - 5 1/2" O.D.
 - pcc-2q6** for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 4 pipes: 3/8" - 2" O.D.
 - pcc-3** for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 2 pipes: 3" - 5 1/2" O.D.
 - pcc-3q6** for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 8 pipes: 3/8" - 2" O.D.
 - pcc-4** for 1 pipe: 6" - 10 3/4" O.D.
 - pcc-5** for up to 5 pipes: 1/2" - 2 7/8" O.D.
 - pcc-6** for 1 pipe: 3" - 5 1/2" O.D.
 - pcc-6q6** for up to 4 pipes: 3/8" - 2" O.D.

curb styles



pipe curb assembly requirements

quantity	curb style pca-	*curb height	**raised cant height	cap & boot pkg. pcc-		
					 b-3 1 module graduated step 3 1/2" boot for 1/2" - 2 7/8" actual O.D. pipe	 b-q6 4 module graduated step 6 1/2" boot for 3/8" - 2" actual O.D. pipe
					 b-6 1 module graduated step 6 1/2" boot for 3" - 5" actual O.D. pipe	 b-12 1 module graduated step 12" boot for 6" - 10 3/4" actual O.D. pipe

pcc-1,2,3,4,5,6

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pate cap packages

standard construction

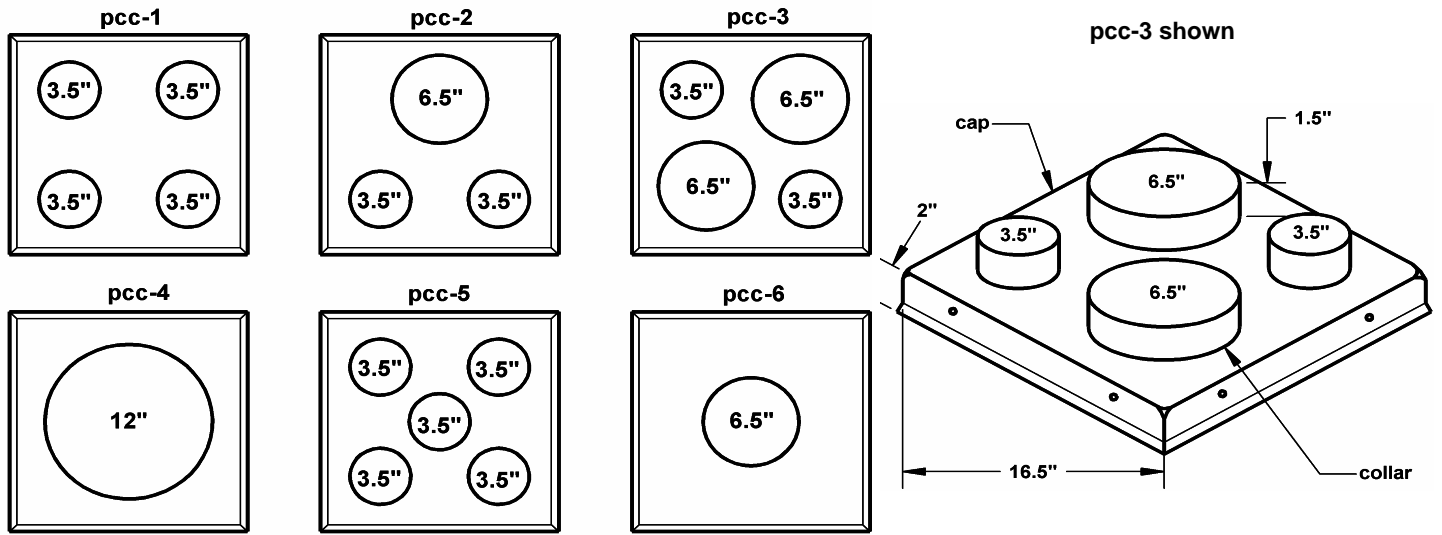
Caps are molded from acrylic clad ABS (Acrylonitrile Butadiene Styrene) to provide UV protection, gray in color are lightweight but extremely durable with an effective temperature rating of -40 to +160 degrees Fahrenheit. Various collar and graduated step pvc boot arrangements to accommodate a wide variety of pipe sizes and quantities thru a single curb, pre-punched mounting holes furnished for easy installation.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate cap packages



cap package requirements

quantity	cap	used with	pipe sizes	tag
			NOTE: sizes listed are actual O.D. for up to 4 pipes: 1/2" - 2 7/8" O.D.	
	pcc-1	b-3 boots		
	pcc-2	b-3 and b-6 boots	for up to 2 pipes: 1/2" - 2 7/8" O.D. and 1 pipe: 3" - 5 1/2" O.D.	
	pcc-2q6	b-3 and b-q6 boots	for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 4 pipes: 3/8" - 2" O.D.	
	pcc-3	b-3 and b-6 boots	for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 2 pipes: 3" - 5 1/2" O.D.	
	pcc-3q6	b-3 and b-q6 boots	for up to 2 pipes: 1/2" - 2 7/8" O.D. and for up to 8 pipes: 3/8" - 2" O.D.	
	pcc-4	b-12 boot	1 pipe: 6" - 10 3/4" O.D.	
	pcc-5	b-3 boots	for up to 5 pipes: 1/2" - 2 7/8" O.D.	
	pcc-6	b-6 boot	for 1 pipe: 3" - 5 1/2" O.D.	
	pcc-6q6	b-q6 boot	for up to 4 pipes: 3/8" - 2" O.D.	

mpca-1,2,5

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pate multiple pipe curb assemblies

standard construction

Heavy gauge galvanized steel, unitized construction, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, 2 x 4 wood nailer strip, galvalume steel trough(s), acrylic clad ABS plastic covers, PVC boots and stainless steel clamps.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate multiple pipe curb assemblies

cap and boot packages

mpca-5 with 3 modules shown

NOTE: sizes listed are actual O.D.

pcc-1 for up to 4 pipes: 1/2" - 2 7/8" O.D.

pcc-2 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and 1 pipe: 3" - 5 1/2" O.D.

pcc-2q6 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 4 pipes: 3/8" - 2" O.D.

pcc-3 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 2 pipes: 3" - 5 1/2" O.D.

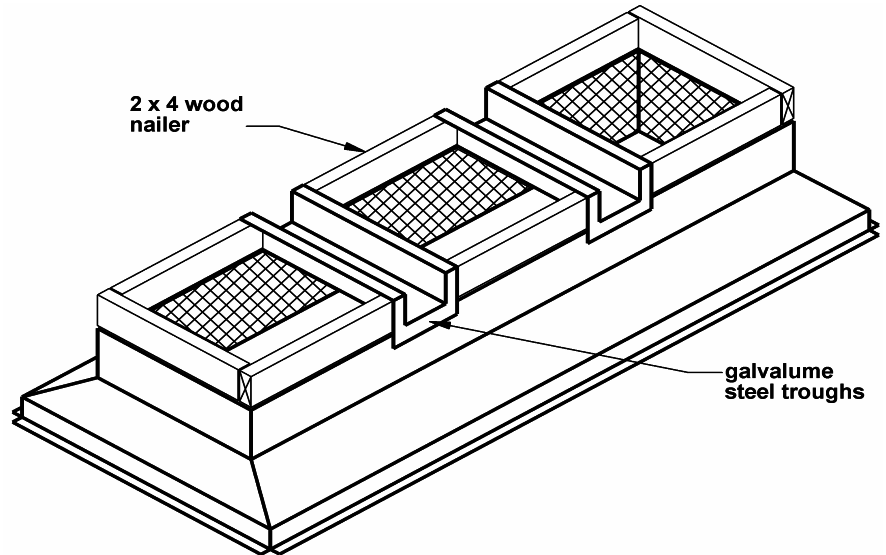
pcc-3q6 for up to 2 pipes: 1/2" - 2 7/8" O.D.
and for up to 8 pipes: 3/8" - 2" O.D.

pcc-4 for 1 pipe: 6" - 10 3/4" O.D.

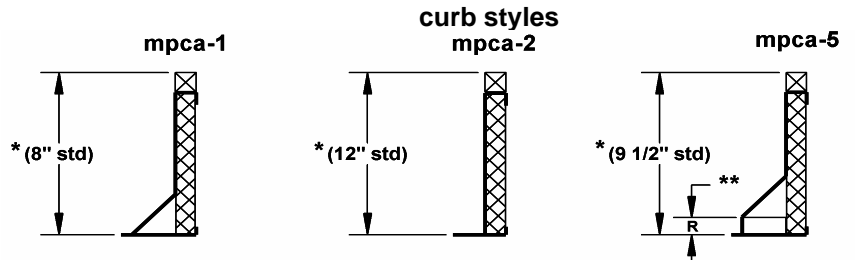
pcc-5 for up to 5 pipes: 1/2" - 2 7/8" O.D.

pcc-6 for 1 pipe: 3" - 5 1/2" O.D.

pcc-6q6 for up to 4 pipes: 3/8" - 2" O.D.



Available with any number of curb caps to accommodate virtually any variety of pipes 3/8" to 10 3/4" actual O.D.



multiple pipe curb assembly requirements

quantity	curb style mpca-	number of modules	*curb height	**raised cant height	cap & boot packages pcc-	tag

pcc-c

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**pate
 custom cap**

standard construction

Heavy ga. aluminum, galvalume or stainless steel construction, with collared openings and optional boots. Designed to your pipe penetration requirements. For use with **pate** curbs or existing curb.

p.o. no. _____
 customer _____

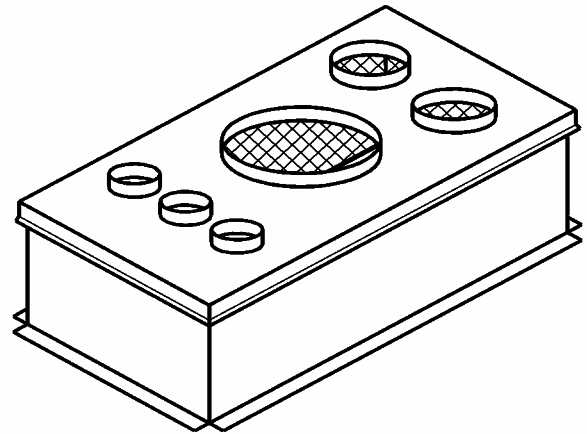
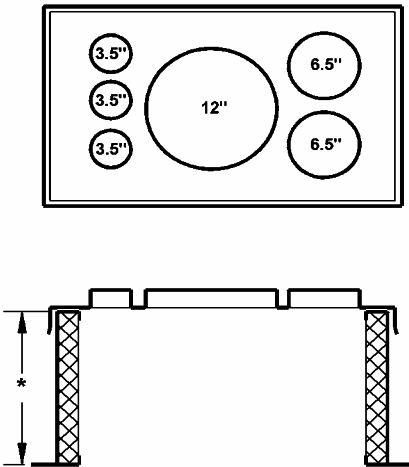
 project _____
 location _____


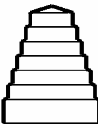
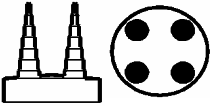
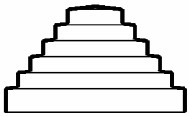
 architect _____
 engineer _____

pate custom cap

pcc-c

pcc-c custom cap with 6 collars and pc-2 curb shown



<p>b-3</p>  <p>1 module graduated step 3 1/2" boot for 1 1/2" - 2 7/8" actual O.D. pipe</p>	<p>b-6</p>  <p>1 module graduated step 6 1/2" boot for 3" - 5" actual O.D. pipe</p>	<p>b-q6</p>  <p>4 module graduated step 6 1/2" boot for 3/8" - 2" actual O.D. pipe</p>	<p>b-12</p>  <p>1 module graduated step 12" boot for 6" - 10 3/4" actual O.D. pipe</p>
--	--	---	---

cap requirements

quantity	curb style	* curb height	** raised cant height	sketch requirements

pps-3,6,12

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pate pipe seal assemblies

standard construction

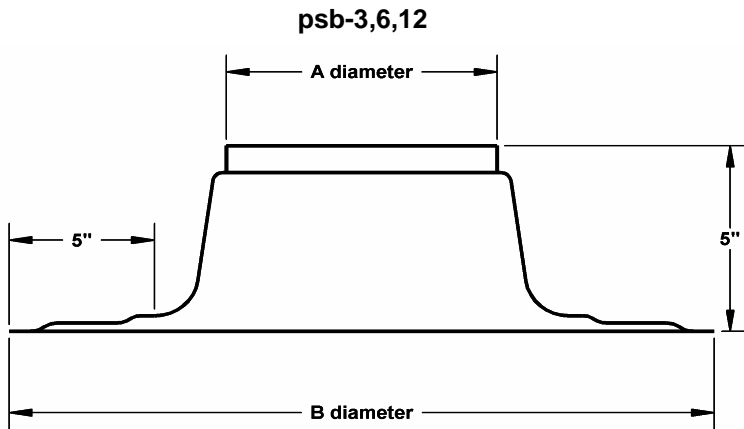
One piece spun aluminum base with full five inch sloped roof surface, flange, graduated step pvc boot and adjustable stainless steel clamps.

p.o. no. _____
 customer _____

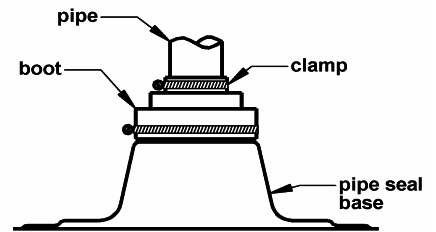
 project _____
 location _____

 architect _____
 engineer _____

pate pipe seal assemblies



pps-3 assembly shown



pipe seal base and boot packages

pipe seal base	A dia.	B dia.
psb-3	3 1/2"	16"
psb-6	6 1/2"	20"
psb-12	12"	23"

NOTE: sizes listed are actual O.D.


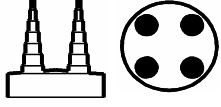
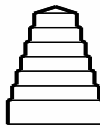
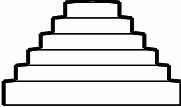
pps-3 1 pipe: 1/2" - 2 7/8" O.D.

pps-6 1 pipe: 3" - 5 1/2" O.D.

pps-6q6 for up to 4 pipes: 3/8" - 2" O.D.

pps-12 1 pipe: 6" - 10 3/4" O.D.

pipe seal assembly requirements

quantity	pipe seal assembly	components			b-3		b-q6	
		base	boot	clamps		1 module graduated step 3 1/2" boot for 1/2" - 2 7/8" actual O.D. pipe		4 module graduated step 6 1/2" boot for 3/8" - 2" actual O.D. pipe
	pps-3	psb-3	b-3	2 clamps				
	pps-6	psb-6	b-6	2 clamps				
	pps-6q6	psb-6	b-q6	5 clamps				
	pps-12	psb-3	b-12	2 clamps		1 module graduated step 6 1/2" boot for 3" - 5" actual O.D. pipe		1 module graduated step 12" boot for 6" - 10 3/4" actual O.D. pipe

b-3,6,12

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pate boots

standard construction

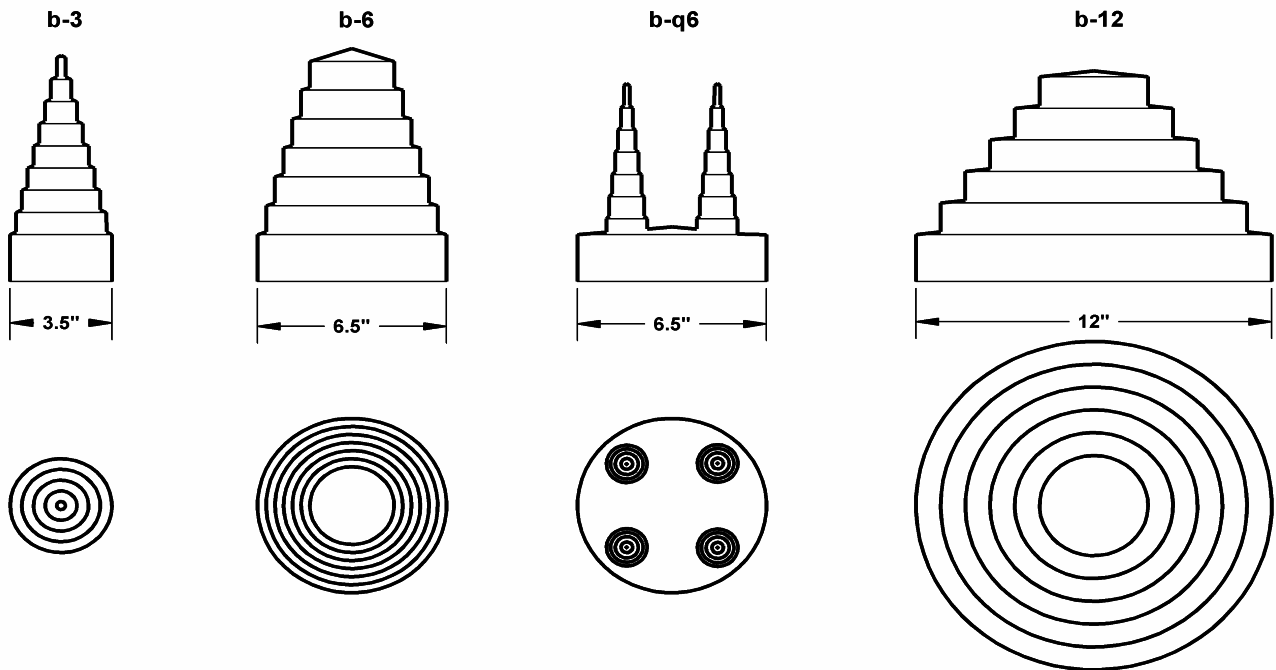
Graduated step boots are molded from KZ-10 black plastisol (PVC), 65 durometer, continuous temperature rating from -40 to +200 degrees Fahrenheit, are extremely durable, with a high degree of stretch to accommodate varying pipe diameters and are UV rated to provide long life when exposed to the harmful effects of the sun.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate boots



pipe boot requirements

quantity	boot	pipe sizes NOTE: sizes listed are actual O.D.	clamps required	used with		tag
				cap	base	
	b-3	1 pipe: 1/2" - 2 7/8" O.D.	2	pcc-1,2,3,5	psb-3	
	b-6	1 pipe: 3" - 5 1/2" O.D.	2	pcc-2,3,6	psb-6	
	b-q6	for up to 4 pipes: 3/8" - 2" O.D.	5	pcc-2,3,6	psb-6	
	b-12	1 pipe: 6" - 10 3/4" O.D.	2	pcc-4	psb-12	

standard construction

For use on metal roof panels, aluminum, copper, plastic, fiberglass, lead and wood. Flexible aluminum base conforms to any panel. -30 to +250 F temperature range. One piece construction will not crack or break. Pleated EPDM cone adjusts to any roof pitch. Pipe diameter markings are clearly indicated on the flexible cone in inches and millimeters for accurate fitting. Applications include plumbing, heating and air conditioning pipes and vents, electrical service entrances, etc.. Effectively flashes and isolates the pipe from building movement created by expansion, contraction and vibration. Designed for pipe diameters from 1/4" through 24".

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

dektites

standard and hi-temp



retro-fit flashing



dektite requirements

quantity	dektite size	pipe diameter range	base diameter	fasteners required	sealant required	tag
standard - gray - 250 degrees F						
	mini	1/8" - 1"	3 5/8"	5	1/12 tube	
	#1	1/4" - 2"	4 3/4"	6	1/10 tube	
	#2	1 3/4" - 3"	6 1/4"	8	1/7 tube	
	#3	1/4" - 4"	7 3/4"	10	1/6 tube	
	#4	3" - 6"	9 1/4"	12	1/5 tube	
	#5	4" - 7"	10 3/4"	14	1/4 tube	
	#6	5" - 9"	13 1/2"	16	1/4 tube	
	#7	6" - 11"	14 1/2"	18	1/3 tube	
	#8	7" - 13"	16 1/2"	22	1/3 tube	
	#9	10" - 18"	25 3/8"	32	1/2 tube	
	diverter	16" - 24"	39 1/2" x 35"	50	1 tube	
high temperature - autumn red - 350 degrees F						
	#3	1/4" - 4"	7 3/4"	10	1/6 tube	
	#5	4" - 7"	10 3/4"	14	1/4 tube	
	#8	7" - 13"	16 1/2"	22	1/3 tube	
	#9	10" - 18"	25 3/8"	32	1/2 tube	
retro-fit - gray - 250 degrees F						
	#801	3/4" - 2 3/4"	6 1/4"	8	1/6 tube	
	#802	2" - 7 1/4"	10 5/8"	14	1/4 tube	
	#803	3 1/4" - 10"	14 1/2"	18	1/3 tube	

pha-2

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**pate
 pipe hood assembly**

standard construction

Heavy ga. aluminum construction. With removable top cover, faceplate and 3 sided body provide easy access to the hood interior. Separate fully welded and insulated aluminum mounting base furnished to isolate hood from galvanized curb. Field insulation of hood interior and caulking of all exposed joints after installation of piping is recommended. Also available in **pha-1** and **pha-5** styles.

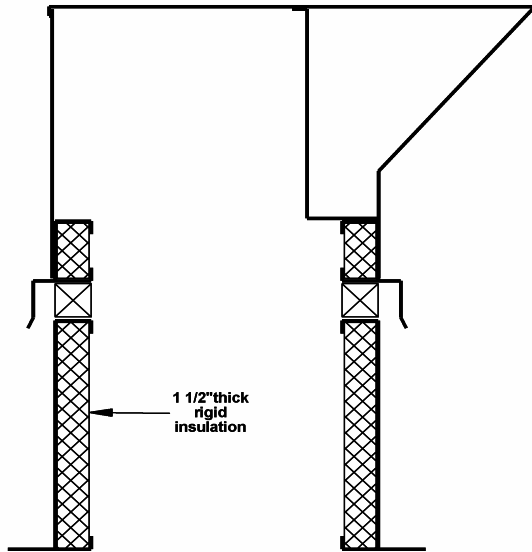
p.o. no. _____
 customer _____

 project _____
 location _____

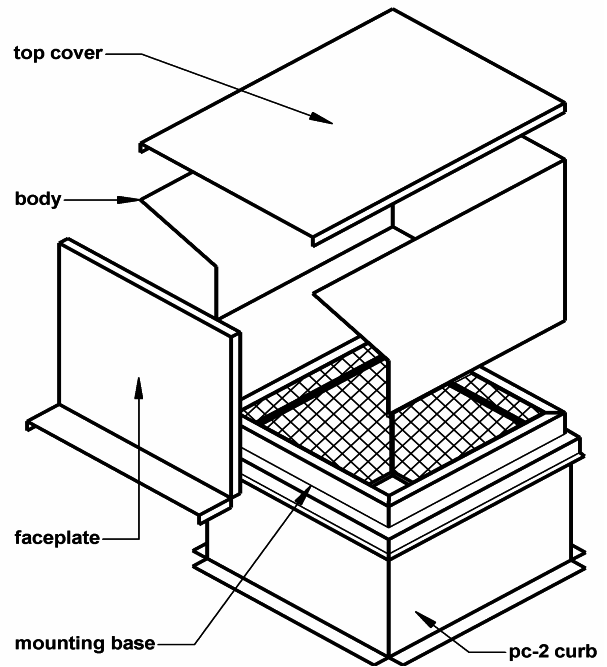
 architect _____
 engineer _____

pate pipe hood assembly

pha-2



pha-2 shown



pipe hood assembly requirements

quantity	style	dimensions		* overall height	overhang b style	** raised cant height	tag
		O.D.	I.D.				

cpba-2

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pate custom pipe box assembly

standard construction

Heavy ga. galvanized steel, unitized construction, full mitered corners, all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. Pipe openings are to be field cut and sealed. Also available in **cpba-1** and **cpba-5** styles.

p.o. no. _____
 customer _____

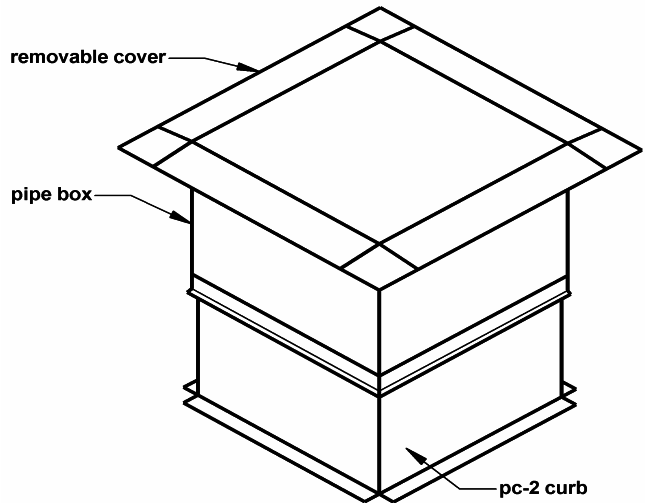
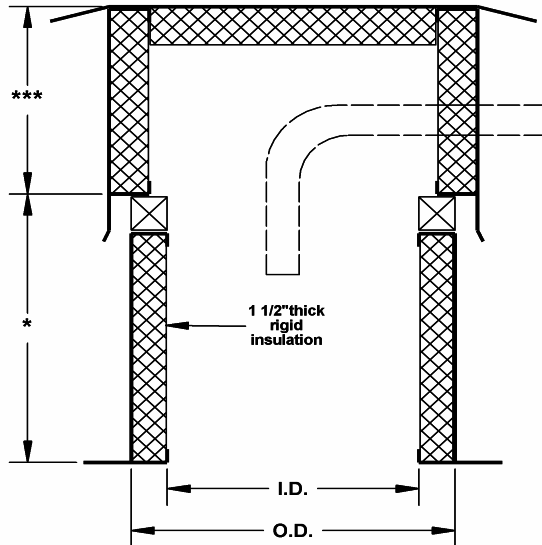
 project _____
 location _____

 architect _____
 engineer _____

pate custom pipe box assembly

cpba-2

cpba-2 shown



pipe box assembly requirements

quantity	style	dimensions		* curb height	***pipe box height	** raised cant height	tag
		O.D.	I.D.				

pc-2-sfcs

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pate self flashing certified seismic curb

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners all seams welded, 1 1/2" thick rigid fiberglass insulation.

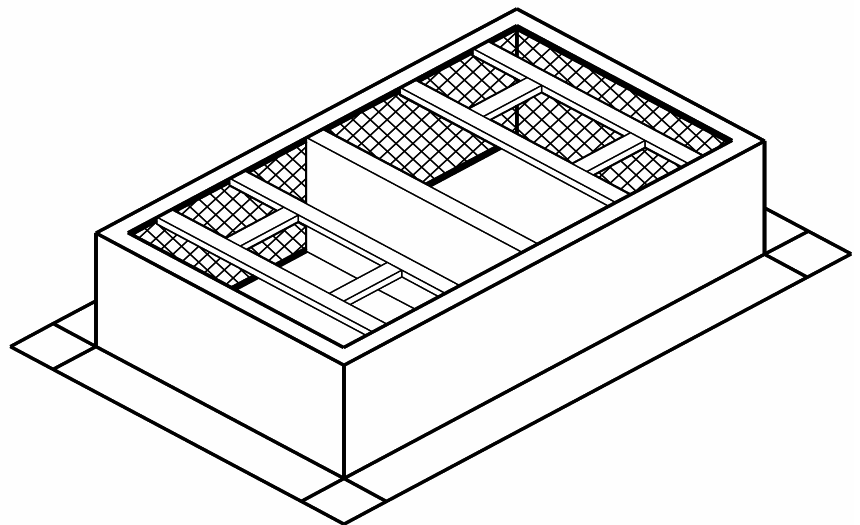
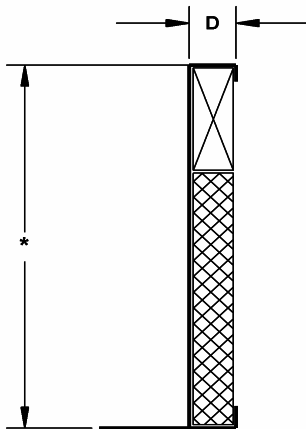
pc-2sfcs curbs for self flashing applications have 3" flanges and no wood nailer. Curbs are constructed and internally reinforced to meet seismic category D, use group III, importance factor 1.5 of the IBC 2000. Foam gasket supplied with curb.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pc-2sfcs pate certified seismic curb



roof curb requirements

quantity	style	dimensions		* overall height	D	RTU manufacturer & model	tag
		O.D.	I.D.				

pc-2-sfibcs

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pate self flashing insulated bottom seismic

standard construction

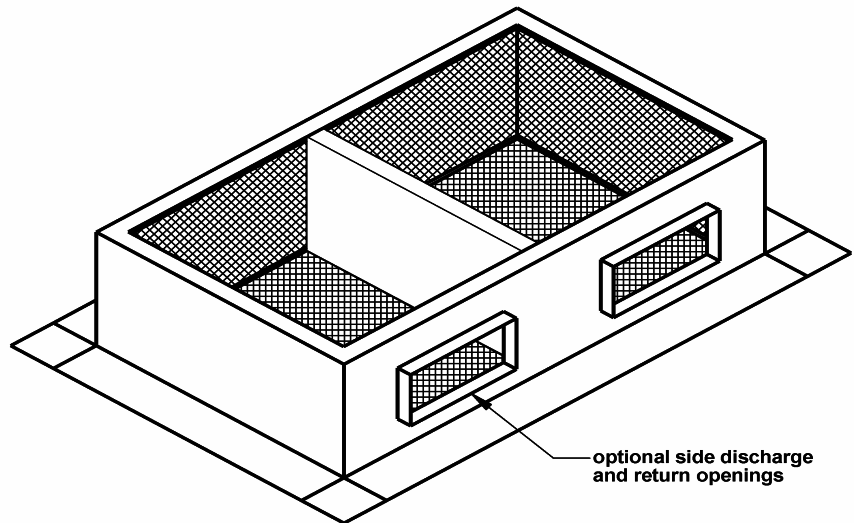
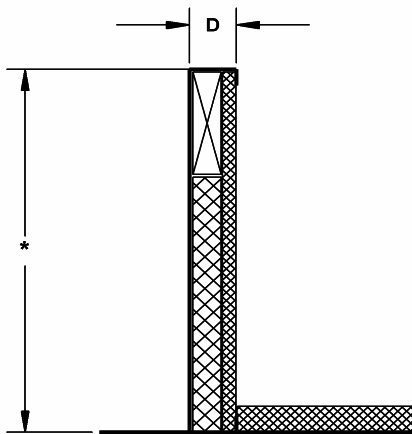
Heavy ga. galvanized steel, unitized construction with full mitered corners all seams welded, 1" fiberglass and 1/2" duct liner insulation in walls. Solid bottoms are insulated with 1" duct liner. **pc-2sfibcs** curbs for self flashing applications have 3" flanges and no wood nailer. Curbs are constructed and internally reinforced to meet seismic category D, use group III, importance factor 1.5 of the IBC 2000. Foam gasket supplied with curb.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pc-2-sfibcs pate certified seismic curb



roof curb requirements

quantity	style	dimensions		* overall height	D	RTU manufacturer & model	tag
		O.D.	I.D.				

pc-4-cs

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pate certified seismic curb

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners all seams welded. Pressure treated wood nailer. Curbs are constructed and reinforced to meet seismic category D, use group III, importance factor 1.5 of the IBC 2000. Foam gasket supplied with curb.

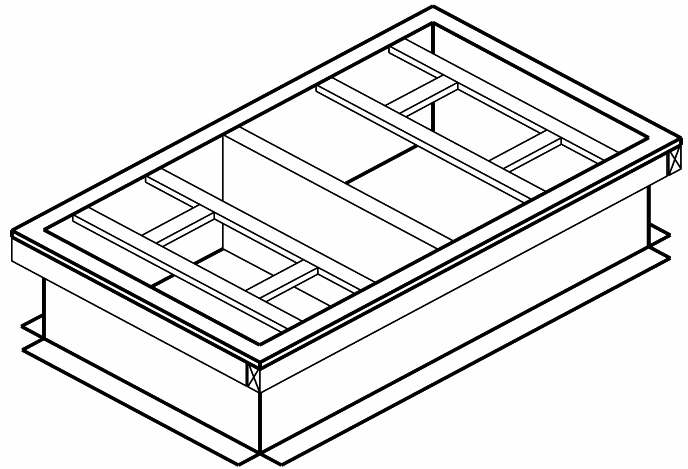
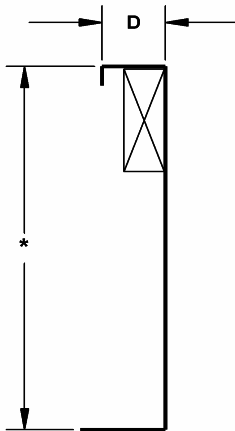
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate certified seismic curb

pc-4-cs



roof curb requirements

quantity	style	dimensions		* overall height	D	RTU manufacturer & model	tag
		O.D.	I.D.				

pc-4-ics

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pate insulated certified seismic curb

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners all seams welded. 1" or 1 1/2" thick rigid fiberglass insulation. **pc-4** curbs have wood nailers for roofing felt attachment. Curbs are constructed and internally reinforced to meet seismic category D, use group III, importance factor 1.5 of the IBC 2000. Foam gasket supplied with curb.

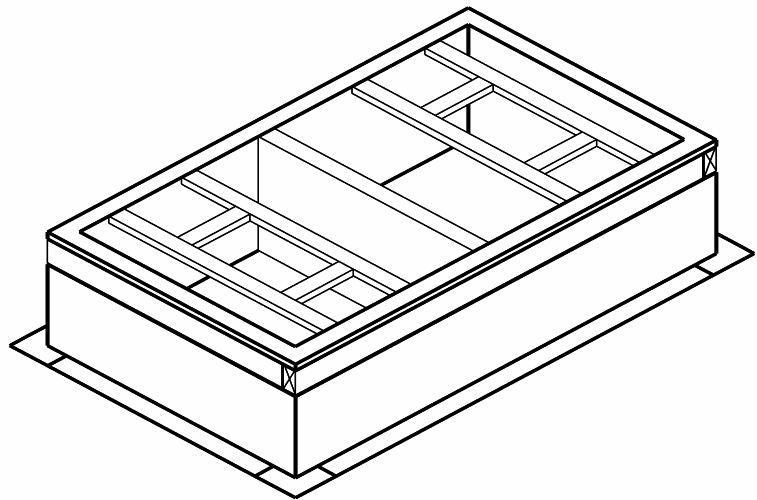
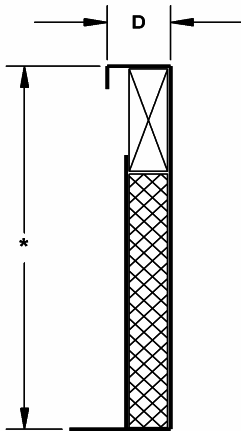
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate certified seismic curb

pc-4-ics



roof curb requirements

quantity	style	dimensions		* overall height	D	RTU manufacturer & model	tag
		O.D.	I.D.				

pc-4-ibcs

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pate insulated bottom certified seismic curb

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners all seams welded. 1" or 1 1/2" thick rigid fiberglass insulation. **pc-4** curbs have wood nailers for roofing felt attachment. Solid bottoms are insulated with 1" duct liner. Curbs are constructed and internally reinforced to meet seismic category D, use group III, importance factor 1.5 of the IBC 2000. Foam gasket supplied with curb.

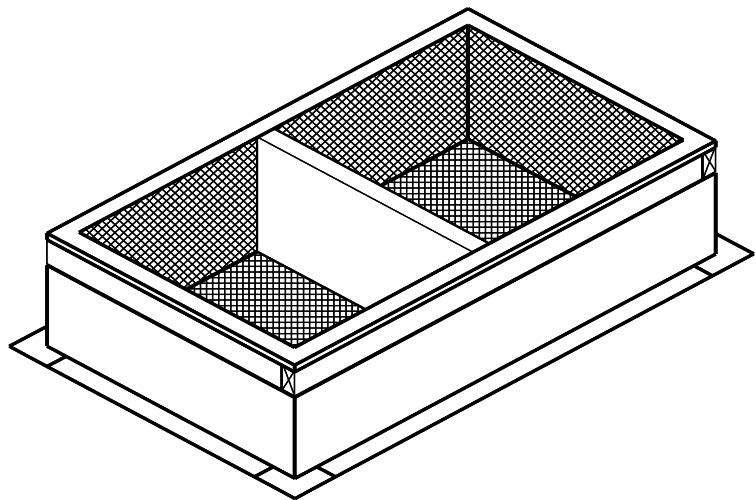
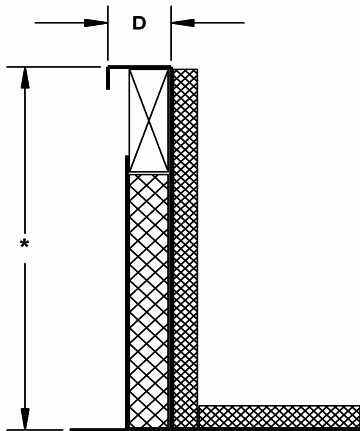
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate certified seismic curb

pc-4-ibcs



roof curb requirements

quantity	style	dimensions		* overall height	D	RTU manufacturer & model	tag
		O.D.	I.D.				

es-1,2,5-cs

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pate equipment supports certified seismic

standard construction

Heavy ga. galvanized steel, unitized construction with integral base plate, continuous welded corner seams, pressure treated wood nailer. Internally reinforced to conform with **pate** load bearing factors and seismic Category D, use group III, importance factor 1.5 of the IBC-2000. Continuous metal top under wood nailer on base section along with two piece extra deep counterflashing skirt and rail access ports allow for thru bolting of equipment to meet seismic restraint requirements under the most severe conditions. Also available in **es-1-cs** and **es-5-cs** styles

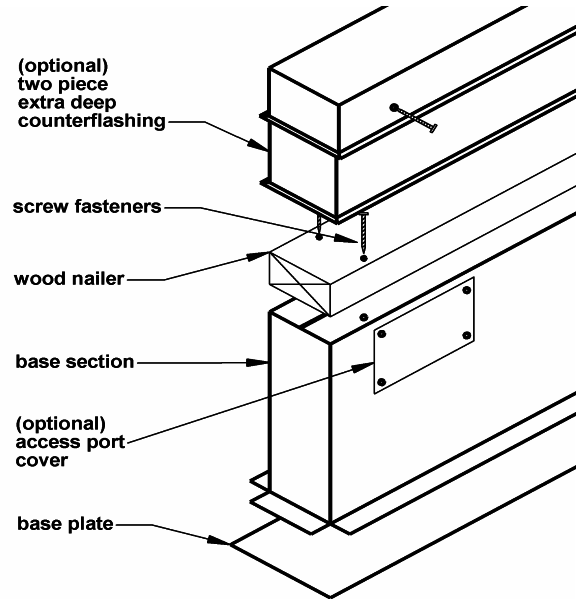
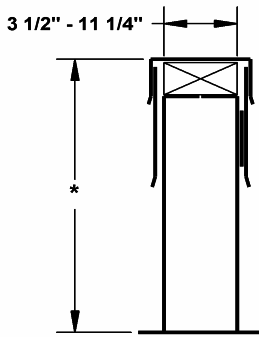
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate certified seismic equipment support

es-2-cs shown



equipment support requirements

quantity	style	nailer length	nailer width	* overall height	access port location (if required)	tag

pc-ib

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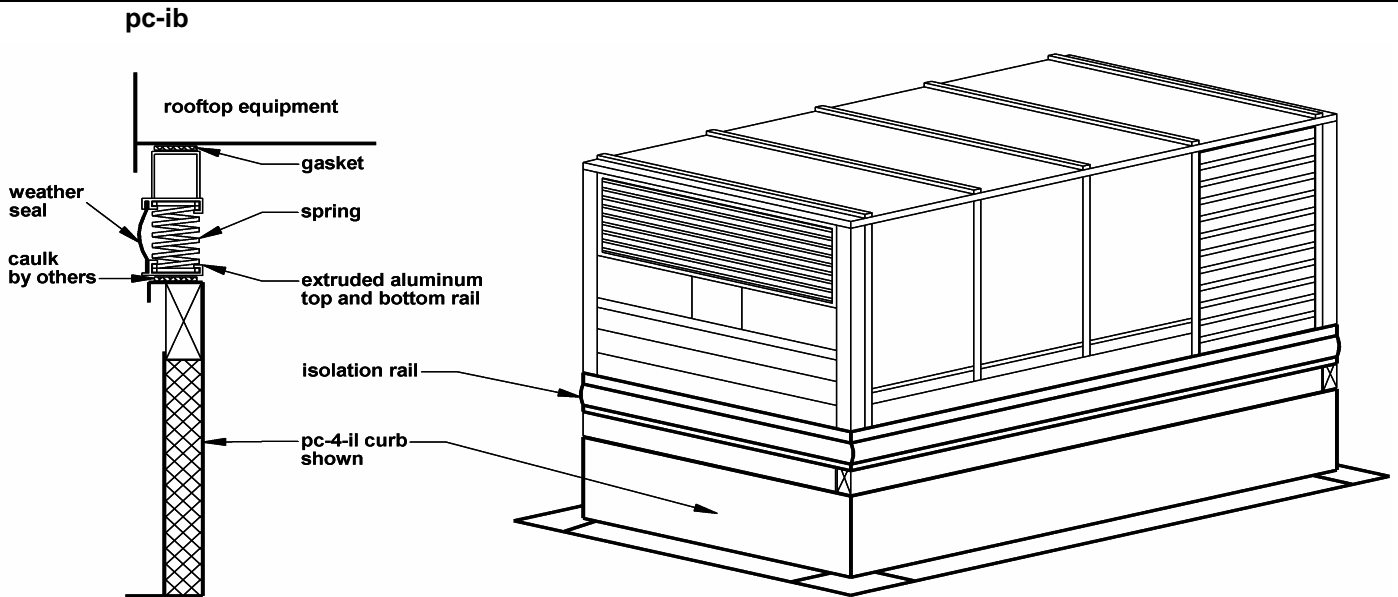
pate isolation base

standard construction

Extruded aluminum upper and lower members with laterally stable 1" or 2" static deflection springs, wind and seismic restraints, continuous flexible weather seal. Isolation rail assemblies are available as pre-assembled units or knocked down for field assembly. Curbs ship separate, allowing roofing to be completed prior to isolation rail arrival.

p.o. no. _____
customer _____
project _____
location _____
architect _____
engineer _____

pc-ib pate isolation base



isolation base requirements

quantity	static deflection	assembled unit or knocked down	rooftop equipment manufacturer and model	rooftop equipment weight	tag

pas

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pate acrylic skylights

standard construction

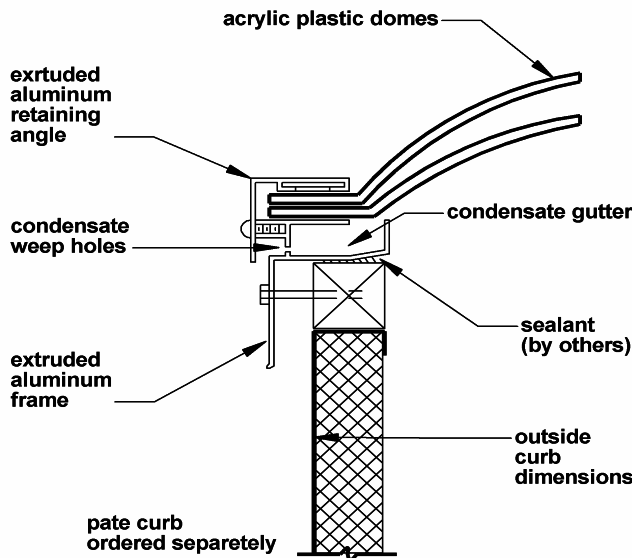
Domes shall be thermoformed from one-piece acrylic resin plastic either white translucent, bronze, gray or clear colorless. The standard dome frame and retaining angle shall be fabricated from extruded aluminum. Available in single or double dome designs supplied complete, ready for attachment to a 1 1/2" wide curb. **Pate** curbs for proper installation are available separately.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate acrylic skylights



* note: specify "S" (single dome)
 "DD" (double dome)

standard sizes

model no.	inside curb dimension
square	
pas-2424	19 x 19
pas-2828	22 1/4 x 22 1/4
pas-3636	30 1/4 x 30 1/4
pas-4242	37 x 37
pas-5252	46 1/4 x 46 1/4
pas-6060	55 x 55
pas-7676	69 1/2 x 69 1/2
pas-8080	75 x 75
pas-9898	92 1/2 x 92 1/2
rectangular	
pas-2052	14 1/4 x 46 1/4
pas-2852	22 1/4 x 46 1/4
pas-3296	25 1/2 x 89 1/2
pas-3652	30 1/4 x 46 1/4
pas-3676	30 1/4 x 69 1/2
pas-4280	37 x 75
pas-4365	38 x 59
pas-5276	46 1/4 x 69 1/2
pas-5296	46 1/4 x 89 1/2
pas-6476	57 1/2 x 69 1/2
pas-6496	57 1/2 x 89 1/2

other sizes available upon request

acrylic skylight requirements

quantity	*style	dimensions	glazing		tag
			inner dome	outer dome	

pts

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pate thermal skylights

standard construction

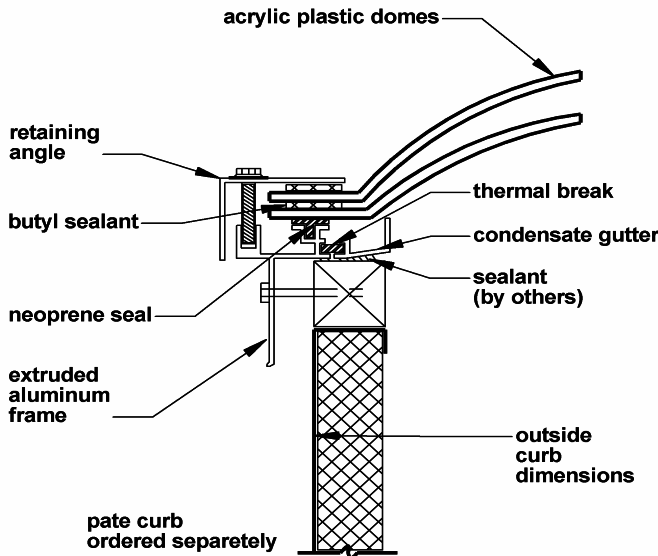
All thermal models shall be double dome. Domes shall be thermoformed from one-piece acrylic plastic. Outer dome shall be clear colorless, bronze, or gray. Inner dome shall be clear colorless or translucent white. Skylight frame and retaining angle shall be extruded aluminum, with a thermal barrier to reduce convection. Each skylight shall be supplied complete, ready for attachment to a 1 1/2" wide curb. **Pate** curbs for proper installation are available separately.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate thermal skylights



Thermal models exceed the requirement of BOCA and SBCCI for exemption from "u" value consideration.

standard sizes	
model no.	inside curb dimension
square	
pts-2424	19 x 19
pts-2828	22 1/4 x 22 1/4
pts-3636	30 1/4 x 30 1/4
pts-4242	37 x 37
pts-5252	46 1/4 x 46 1/4
pts-6060	55 x 55
pts-7676	69 1/2 x 69 1/2
pts-8080	75 x 75
pts-9898	92 1/2 x 92 1/2
rectangular	
pts-2052	14 1/4 x 46 1/4
pts-2852	22 1/4 x 46 1/4
pts-3296	25 1/2 x 89 1/2
pts-3652	30 1/4 x 46 1/4
pts-3676	30 1/4 x 69 1/2
pts-4280	37 x 75
pts-4365	38 x 59
pts-5276	46 1/4 x 69 1/2
pts-5296	46 1/4 x 89 1/2
pts-6476	57 1/2 x 69 1/2
pts-6496	57 1/2 x 89 1/2

other sizes available upon request

thermal skylight requirements

quantity	*style	dimensions	glazing		tag
			inner dome	outer dome	

pssc-2

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pate skylight security curb

standard construction

Heavy ga. galvanized steel, unitized construction with full mitered corners and all seams welded, 1 1/2" thick rigid fiberglass insulation, pressure treated wood nailer strip. All curbs are internally reinforced in larger size dimensions. Curb furnished with .1875" diameter pre-galvanized welded wire mesh in a separate welded heavy ga. galvanized steel frame, optional 20 ga. interior liner.

Also available in **pssc-1** and **pssc-5** styles.

p.o. no. _____
 customer _____

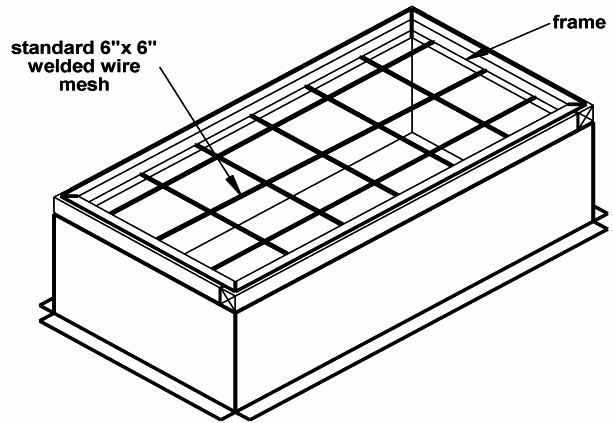
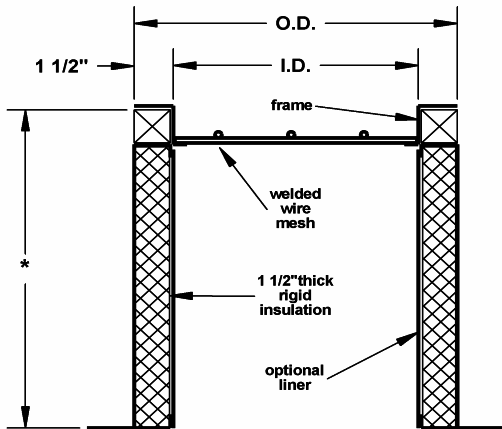
 project _____
 location _____

 architect _____
 engineer _____

pate curbs

pssc-2

pssc-2 shown with liner



roof curb requirements

quantity	style	dimensions		* overall height	nailer overhang b style	raised cant ht 5 style	tag
		O.D.	I.D.				

pc-rh

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**pate
 roof hatch**

standard construction

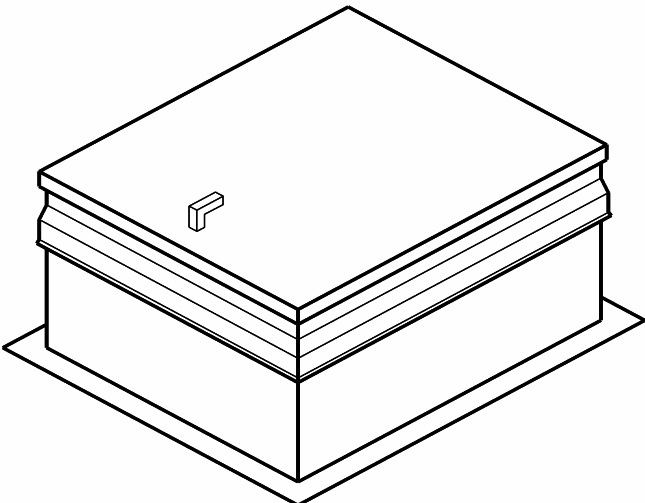
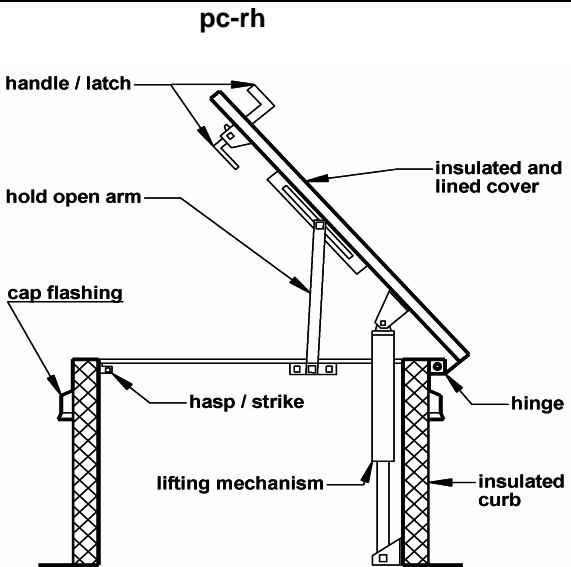
Heavy ga. galvanized steel construction, positive latching mechanism, 1" thick fiberglass insulation, automatic hold-open arm. Compression spring operators for smooth, easy one hand operation. Available in many sizes and curb configurations.

p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate roof hatch



standard height: 12"

roof hatch requirements

quantity	dimensions		height	material options	tag
	O.D.	I.D.			

pc-ssv

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**pate
 shrink-out smoke vent**

standard construction

Aluminum frames and sills are mitered and continuously welded watertight. Double domes come in clear or white finish, **FM** approved, require no maintenance. Available in standard sizes shown below. Many different **pate** curbs available to fit all roof applications. Fall protection optional.

p.o. no. _____
 customer _____

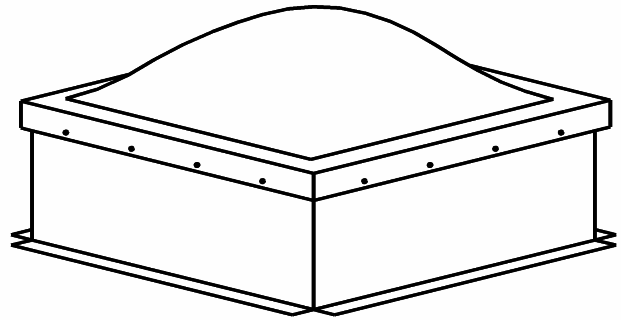
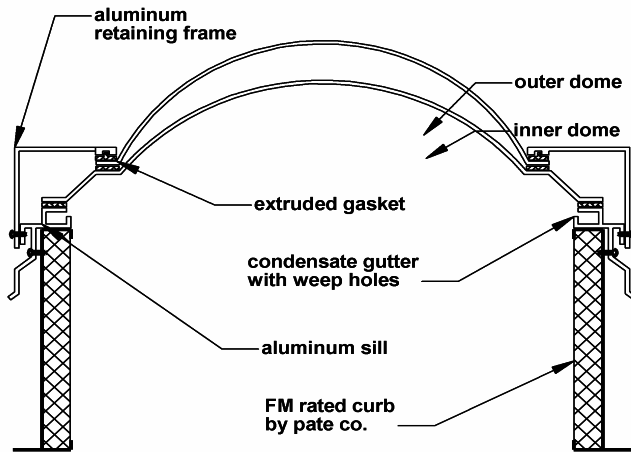
 project _____
 location _____

 architect _____
 engineer _____

pate shrink-out smoke vent

pc-ssv

pc-ssv with pc-2 FM rated curb shown



shrink-out smoke vent requirements

quantity	standard sizes	clear or white domes	tag
	48" x 48"		
	48" x 60"		
	48" x 72"		
	48" x 90"		
	48" x 96"		

pc-sv

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**pate
 smoke vent**

standard construction

Heavy ga. galvanized steel construction.
 Units include manual outside / inside release,
 165 degree fusible link, 1" insulation, heavy
 duty lifting mechanism with shock absorber
 dampening. Many different **pate** curbs
 available to fit all roof applications.
 Optional lexan door glazing available
 acts as skylight.

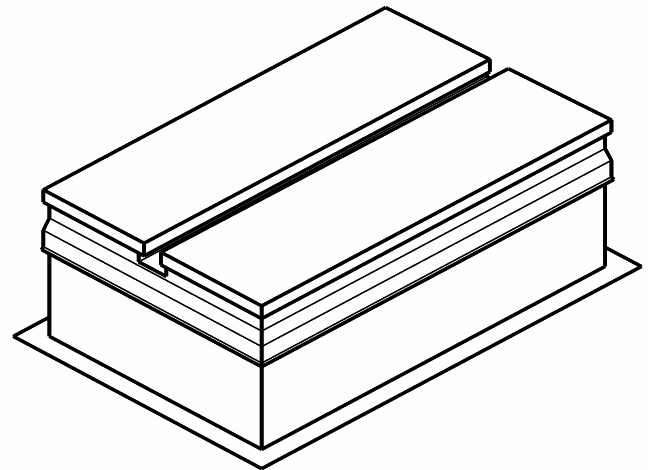
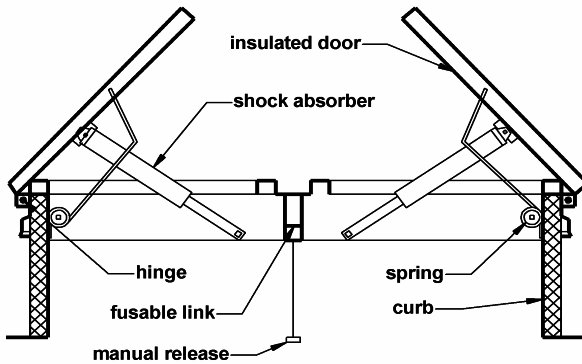
p.o. no. _____
 customer _____

 project _____
 location _____

 architect _____
 engineer _____

pate smoke vent

pc-sv



smoke vent requirements

quantity	dimensions		height	optional glazing	special requirements	tag
	O.D.	I.D.				

pc-fg

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**pate
foam gasket**

standard construction

Closed cell vinyl nitrile / neoprene.
 Blended material with hi-tack pressure sensitive adhesive and release paper.
 Gasket is black in color, UL94 flame rated, with a serviceable temperature rating from -30 degrees to + 200 degrees Fahrenheit.

p.o. no. _____
 customer _____

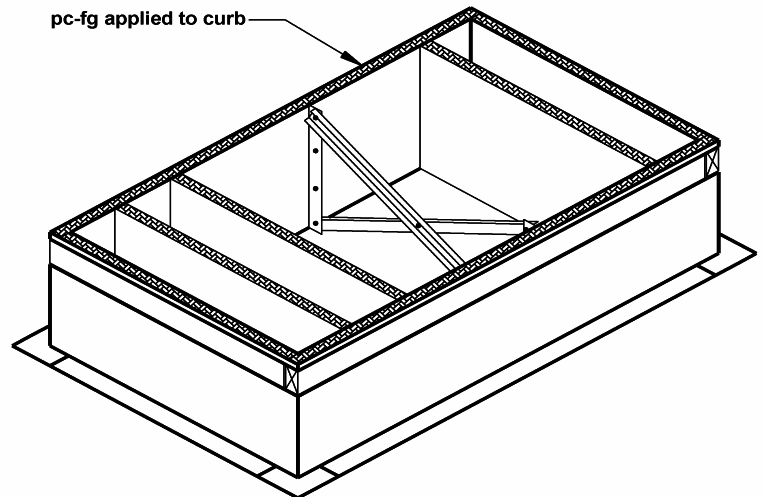
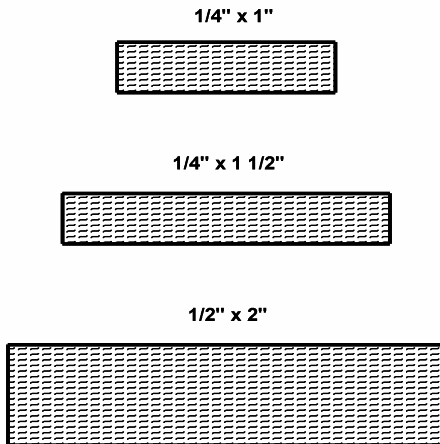
 project _____
 location _____

 architect _____
 engineer _____

pate foam gasket

pc-fg

pc-fg applied to pate heavy duty AHU curb shown



foam gasket requirements

quantity	rolls / cases	packaging	tag
		50 feet per roll 1/4" x 1" - 8 rolls per case (400 feet total) 1/4" x 1 1/2" - 16 rolls per case (800 feet total) 1/2" x 2" - 10 rolls per case (500 feet total)	

pc-bcs

the pacesetter in quality prefab roof products



245 eisenhower lane south • lombard, illinois 60148
 630.705.1920 • 800.243.3018 • fax 630.705.1930
 www.patecurbs.com • e-mail: sales@patecurbs.com

**pate
 butyl curb sealant tape**

standard construction

Pliable, extruded butyl rubber sealant tape is designed to seal the critical laps between roof curb and metal roof panel. The "triple bead" design with its low force of compression provides for minimal deformation of the metal by the fasteners and assures a weather tight seal. The 2 1/2" wide extrusion on 3" wide release paper allows for proper alignment when installed under curb flange.

p.o. no. _____
 customer _____

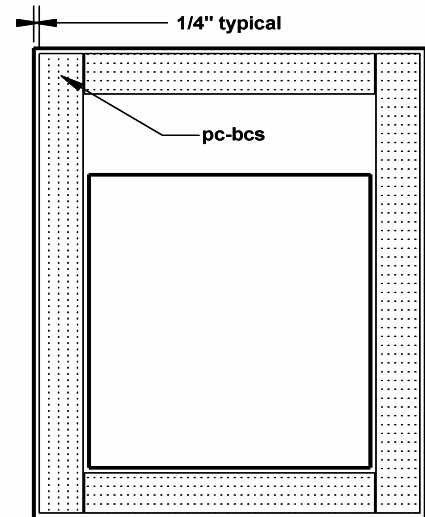
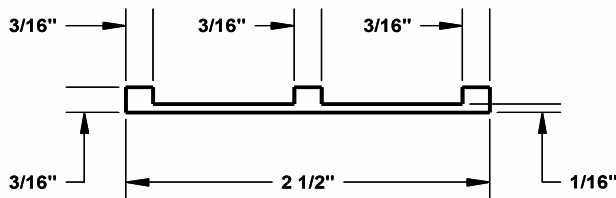
 project _____
 location _____

 architect _____
 engineer _____

pate butyl curb sealant tape

pc-bcs

pc-bcs applied to bottom of mbc shown



butyl sealant requirements

quantity	rolls / cases	packaging	tag
		<p>20 feet per roll</p> <p>6 rolls per case (120 feet total)</p>	

pc-mf

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pate miscellaneous fabrications

standard construction

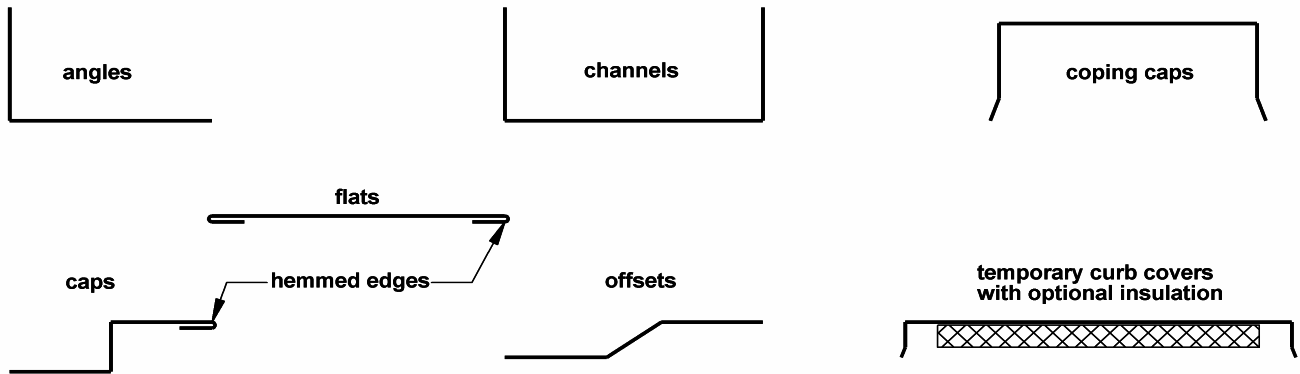
Shown are just a few of the miscellaneous shapes that are available from **the pate company**. They can be furnished with various sized holes punched as well as hemmed edges, many different gauges of aluminum, galvanized steel, stainless steel and galvalume steel construction are available.

p.o. no. _____
customer _____

project _____
location _____

architect _____
engineer _____

pate miscellaneous fabrications



fabrication requirements

quantity	length	material	gauge	special requirements	shape (draw detail and dimension)