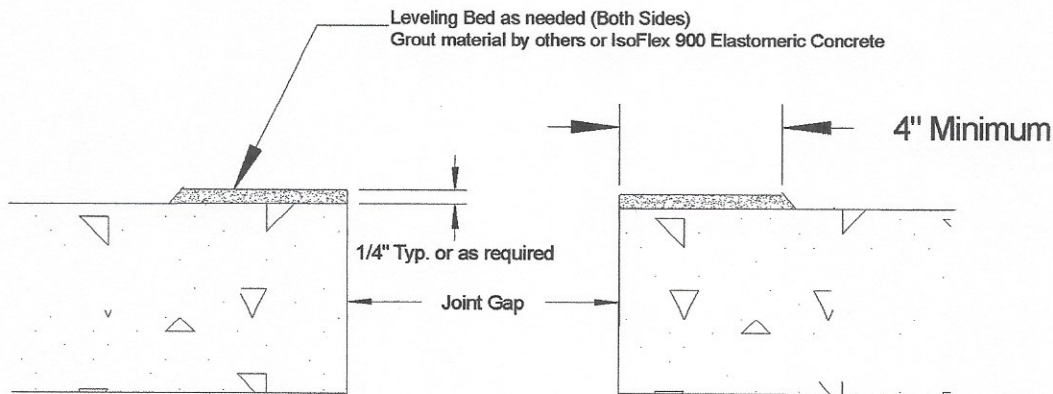


Decklock PCM Installation Procedure

Step 1

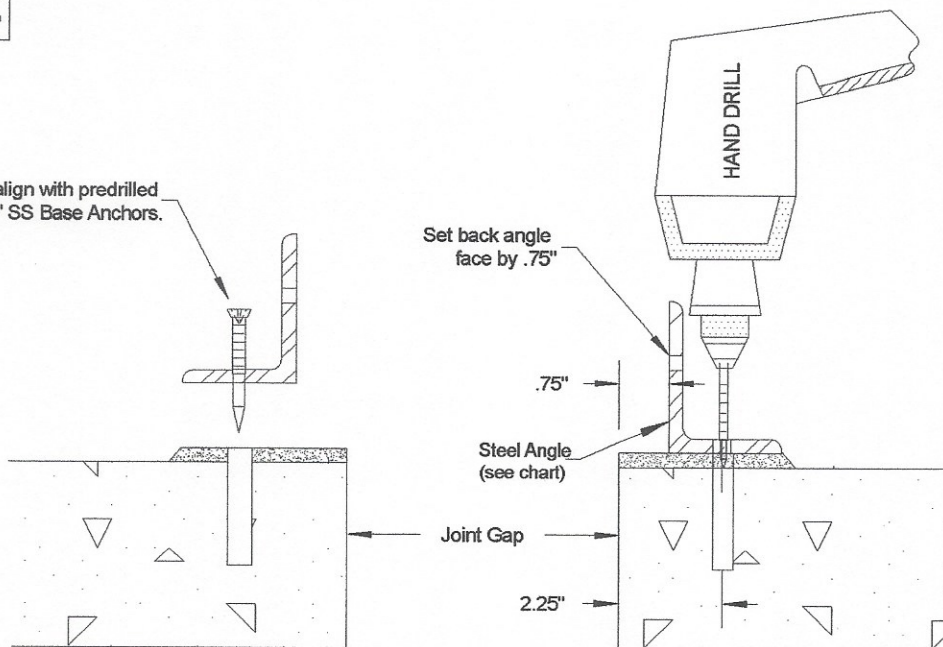


The concrete interfaces must be repaired to eliminate any spalling or damaged areas prior to expansion joint installation.

For purposes of leveling and setting final elevation, place a leveling bed at each side of the joint gap opening. The leveling bed should be a minimum of 4" wide.

Step 2

Locate base angle to align with predrilled holes and insert 3/8 x 4" SS Base Anchors.



SYSTEM DEPTH "D"	Steel Angle		
	Vert. Leg	Horiz. Leg	Thickness
3.500	2.000	3.000	0.250
(81.920)	(50.800)	(76.200)	(6.350)
4.500	3.000	3.000	0.250
(5.500)	(76.200)	(76.200)	(6.350)
5.500	4.000	3.000	0.250
(139.701)	(101.600)	(76.200)	(6.350)
6.500	5.000	3.000	0.250
(165.101)	(127.000)	(76.200)	(6.350)

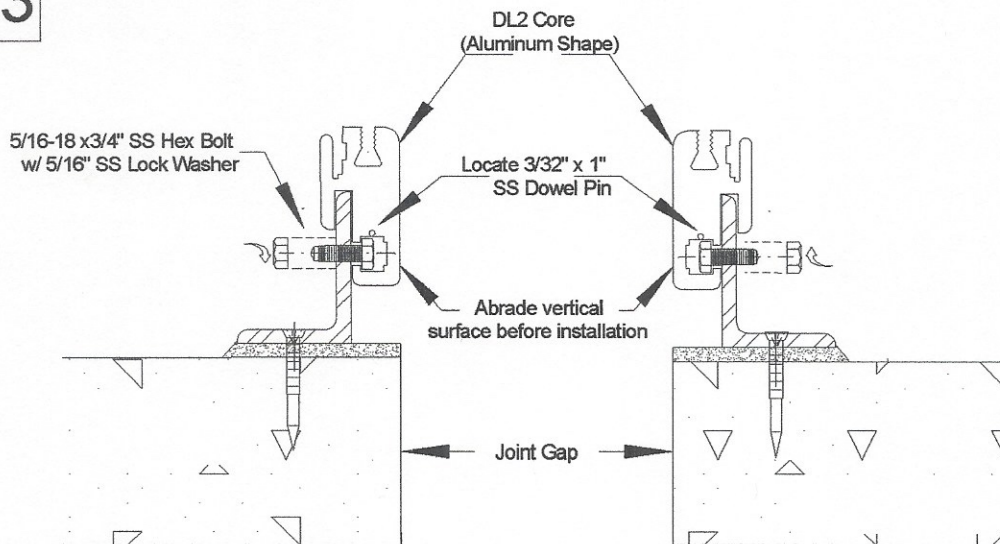
Utilize one 10 Ft section of the steel base angle as a template to locate hole locations. The horizontal leg in contact with the grout bed should be the 3" leg. Set back the vertical face of the angle by 3/4" from the joint gap edge. Once hole locations are marked, remove the plate and drill the holes for the 3/8" x 4" stainless expansion anchors. The anchor hole should be located 2.25" from the edge of the expansion joint gap edge.

With all holes drilled, insert the 3/8" x 4" stainless base anchors. Tighten down to secure the steel angles into place. **ONLY install one pair of 10 Ft. sections at a time.** As each pair of Base Angle sections are installed, follow by attaching the DL2 Core aluminum shape to the Base Angle as described in Step 3.

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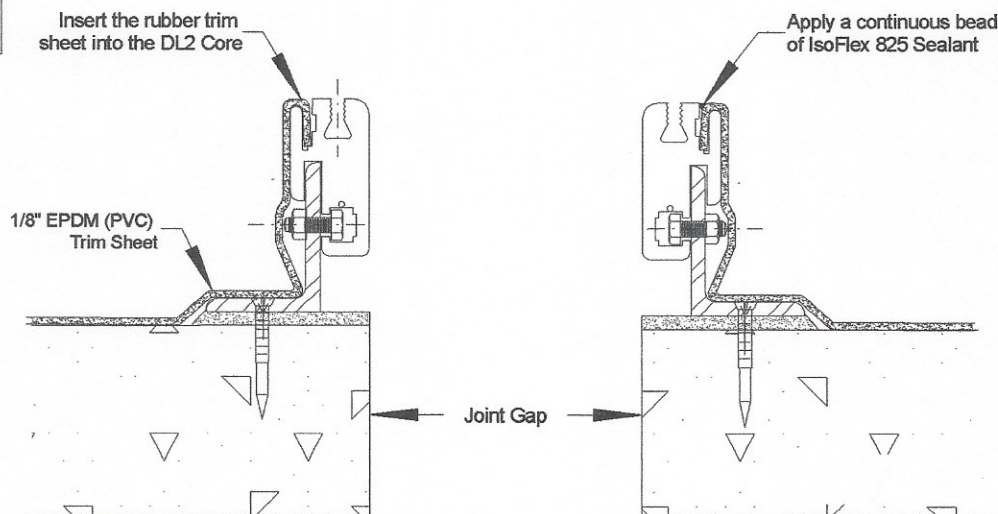
Scale: NTS	Drawn By: GAB
Date: 2/20	Revised:
Decklock PCM Installation Page 1	
Drawing Number:	

Step 3



Before attaching the DL2 Core to the base angles it is important to abrade the vertical face where the Core will adjoin the Precom HSL Seal. This can be done by sandblasting or grinding the surface. (See detail Above) The next step is to attach the DL2 Core aluminum shape to the steel base angle. The process involved in connecting the two parts requires that the 5/16-18 x 3/4" hex bolt be inserted into the steel angle. The steel angle is slid along the groove in the DL2 aluminum core and as you slide the two parts together, the head of the hex bolt is slid into the DL2 Core cavity. Continue to slide the two parts together as you continue to engage the hex bolts into the DL2 Core. As you progress you should thread on the 5/6" lock nuts to a slightly tightened state. This will reduce the binding of the anchors as the parts are slid together. Once the two parts are connected and in the desired alignment, tighten down the lock nuts with a socket wrench. Continue the process for the following 10 Ft sections until the joint length is fully in-place. As adjoining sections of the DL2 Core are placed, a 3/32" x 1" SS Dowel Pin should be installed to ensure alignment of the sections.

Step 4



The next step is to install the rubber Trim Sheet. This process is completed in relationship to the waterproofing membrane manufacturer and their installation details.

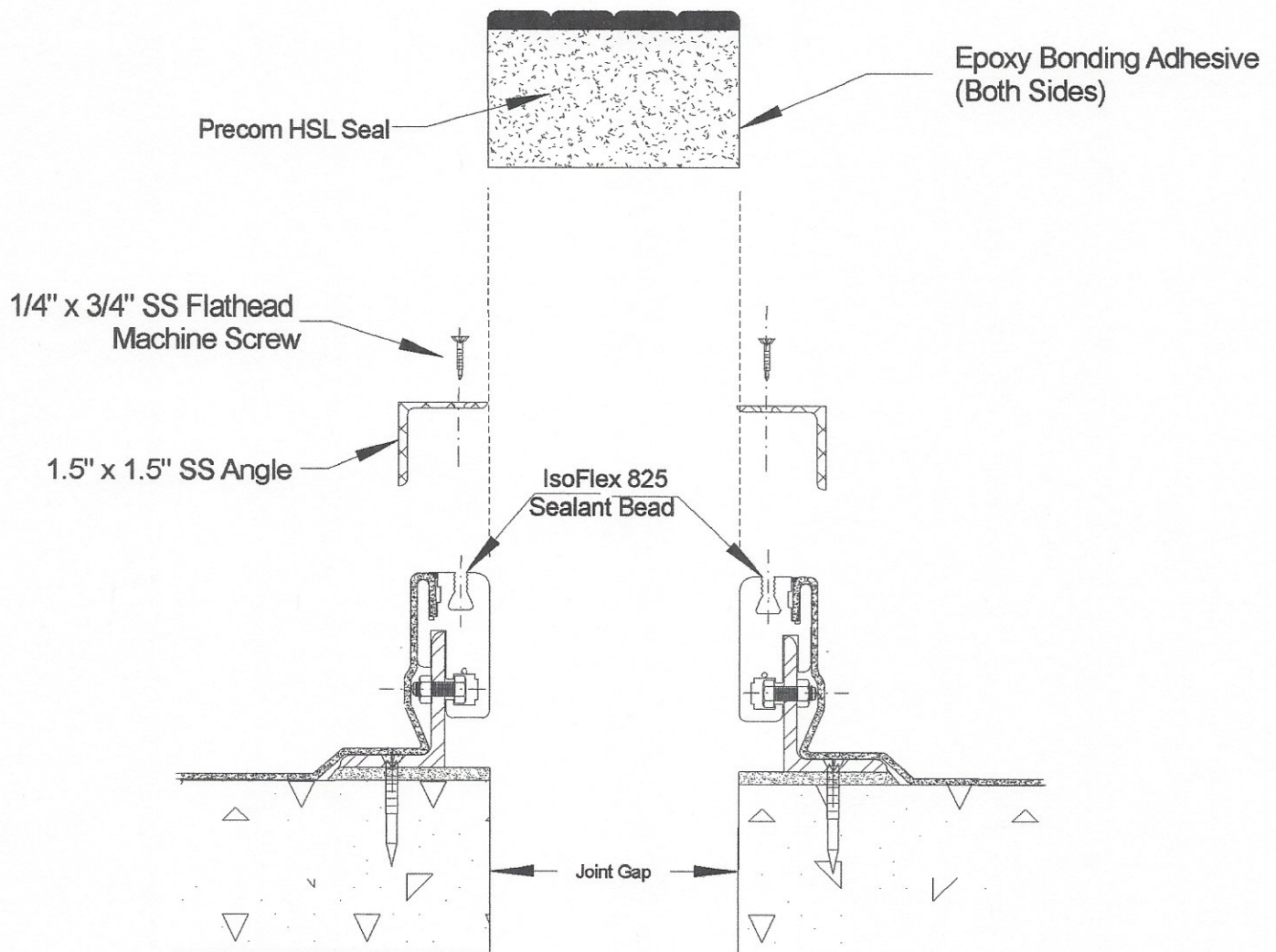
The process is begun by rolling out the 50 Ft lengths of the rubber 1/8" Trim Sheet. The Trim Sheet is inserted into the receiver cavity of the DL2 Aluminum Core. Once inserted and fully set in place, a continuous bead of IsoFlex 825 sealant is applied to seal off and secure the Trim Sheet.

The Trim Sheet is then wrapped down the joint components and is sandwiched into the fluid applied membrane waterproofing being utilized on the project.

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Step 5



With the Trim Sheet installation completed, a second bead of IsoFlex 825 sealant needs to be placed continuously along the race in the top of the DL2 Core. With the two sealant beads in place the next step is to align and place the 1.5" x 1.5" Stainless Steel Cap Angle. As the angle is located, be sure that the countersunk holes are on the top exposed surface. As the stainless angle is pressed down into place, begin to tighten down the 1/4" x 3/4" Stainless Steel Flathead Machine Screws into place. The screws will tap into the DL2 Core as they are tightened into place.

With the stainless angles secured in place the Precom HSL seal can be installed. This is accomplished by applying the 2-part Epoxy Bonding Adhesive against the prepared surface of the DL2 Core. The Precom seal can then be installed by releasing the "sticks" of seal from the shrink wrap and removal of the release paper, exposing the Pressure Sensitive Adhesive. As sticks of the seal are placed, "Flexible Adhesive" is placed at the butt connections. The installed seal is completed by placing a bead of Dow 888 silicone on each side interface. Complete installation steps are covered in the Precom HSL Installation Procedures.

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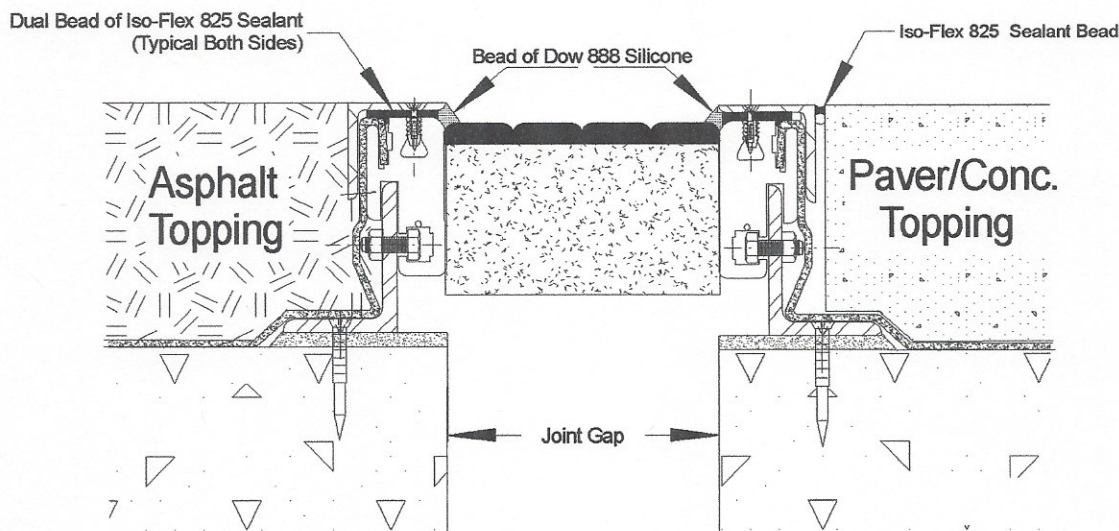
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Date: 2/20 Revised:

Decklock PCM Installation Page 3

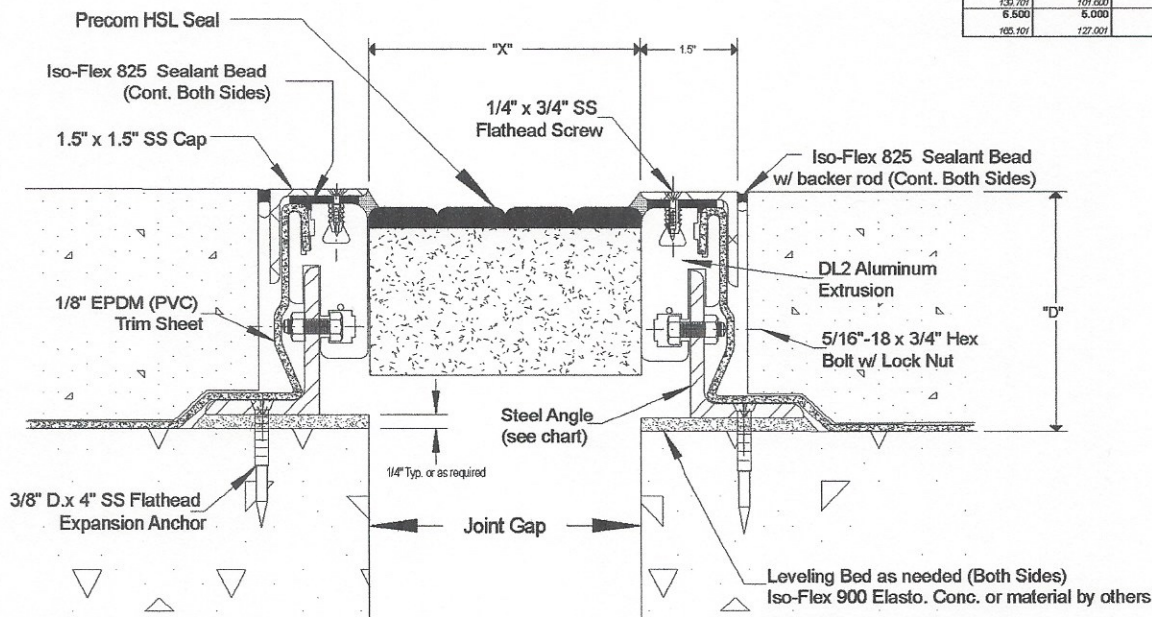
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Step 6



Once the expansion joint system is fully installed the effort can begin to install the topping construction. This may be an asphalt overlay, concrete paver or poured concrete, depending on the project requirements. If the topping is asphalt, the topping may be poured up to the expansion joint system. If it happens to be pavers or concrete, it is recommended to install a sealant bead along the interfacing edge of the expansion joint system.

Complete



SYSTEM DEPTH "D"	Steel Angle		
	Vert. Leg	Horiz. Leg	Thickness
3.600	2.000	3.000	0.250
4.600	3.000	3.000	0.250
5.600	4.000	3.000	0.250
6.600	5.000	3.000	0.250
7.600	6.000	3.000	0.250
8.600	7.000	3.000	0.250
9.600	8.000	3.000	0.250
10.600	9.000	3.000	0.250
11.600	10.000	3.000	0.250
12.600	11.000	3.000	0.250
13.600	12.000	3.000	0.250
14.600	13.000	3.000	0.250
15.600	14.000	3.000	0.250
16.600	15.000	3.000	0.250
17.600	16.000	3.000	0.250
18.600	17.000	3.000	0.250
19.600	18.000	3.000	0.250
20.600	19.000	3.000	0.250
21.600	20.000	3.000	0.250
22.600	21.000	3.000	0.250
23.600	22.000	3.000	0.250
24.600	23.000	3.000	0.250
25.600	24.000	3.000	0.250
26.600	25.000	3.000	0.250
27.600	26.000	3.000	0.250
28.600	27.000	3.000	0.250
29.600	28.000	3.000	0.250
30.600	29.000	3.000	0.250
31.600	30.000	3.000	0.250
32.600	31.000	3.000	0.250
33.600	32.000	3.000	0.250
34.600	33.000	3.000	0.250
35.600	34.000	3.000	0.250
36.600	35.000	3.000	0.250
37.600	36.000	3.000	0.250
38.600	37.000	3.000	0.250
39.600	38.000	3.000	0.250
40.600	39.000	3.000	0.250
41.600	40.000	3.000	0.250
42.600	41.000	3.000	0.250
43.600	42.000	3.000	0.250
44.600	43.000	3.000	0.250
45.600	44.000	3.000	0.250
46.600	45.000	3.000	0.250
47.600	46.000	3.000	0.250
48.600	47.000	3.000	0.250
49.600	48.000	3.000	0.250
50.600	49.000	3.000	0.250
51.600	50.000	3.000	0.250
52.600	51.000	3.000	0.250
53.600	52.000	3.000	0.250
54.600	53.000	3.000	0.250
55.600	54.000	3.000	0.250
56.600	55.000	3.000	0.250
57.600	56.000	3.000	0.250
58.600	57.000	3.000	0.250
59.600	58.000	3.000	0.250
60.600	59.000	3.000	0.250
61.600	60.000	3.000	0.250
62.600	61.000	3.000	0.250
63.600	62.000	3.000	0.250
64.600	63.000	3.000	0.250
65.600	64.000	3.000	0.250
66.600	65.000	3.000	0.250
67.600	66.000	3.000	0.250
68.600	67.000	3.000	0.250
69.600	68.000	3.000	0.250
70.600	69.000	3.000	0.250
71.600	70.000	3.000	0.250
72.600	71.000	3.000	0.250
73.600	72.000	3.000	0.250
74.600	73.000	3.000	0.250
75.600	74.000	3.000	0.250
76.600	75.000	3.000	0.250
77.600	76.000	3.000	0.250
78.600	77.000	3.000	0.250
79.600	78.000	3.000	0.250
80.600	79.000	3.000	0.250
81.600	80.000	3.000	0.250
82.600	81.000	3.000	0.250
83.600	82.000	3.000	0.250
84.600	83.000	3.000	0.250
85.600	84.000	3.000	0.250
86.600	85.000	3.000	0.250
87.600	86.000	3.000	0.250
88.600	87.000	3.000	0.250
89.600	88.000	3.000	0.250
90.600	89.000	3.000	0.250
91.600	90.000	3.000	0.250
92.600	91.000	3.000	0.250
93.600	92.000	3.000	0.250
94.600	93.000	3.000	0.250
95.600	94.000	3.000	0.250
96.600	95.000	3.000	0.250
97.600	96.000	3.000	0.250
98.600	97.000	3.000	0.250
99.600	98.000	3.000	0.250
100.600	99.000	3.000	0.250

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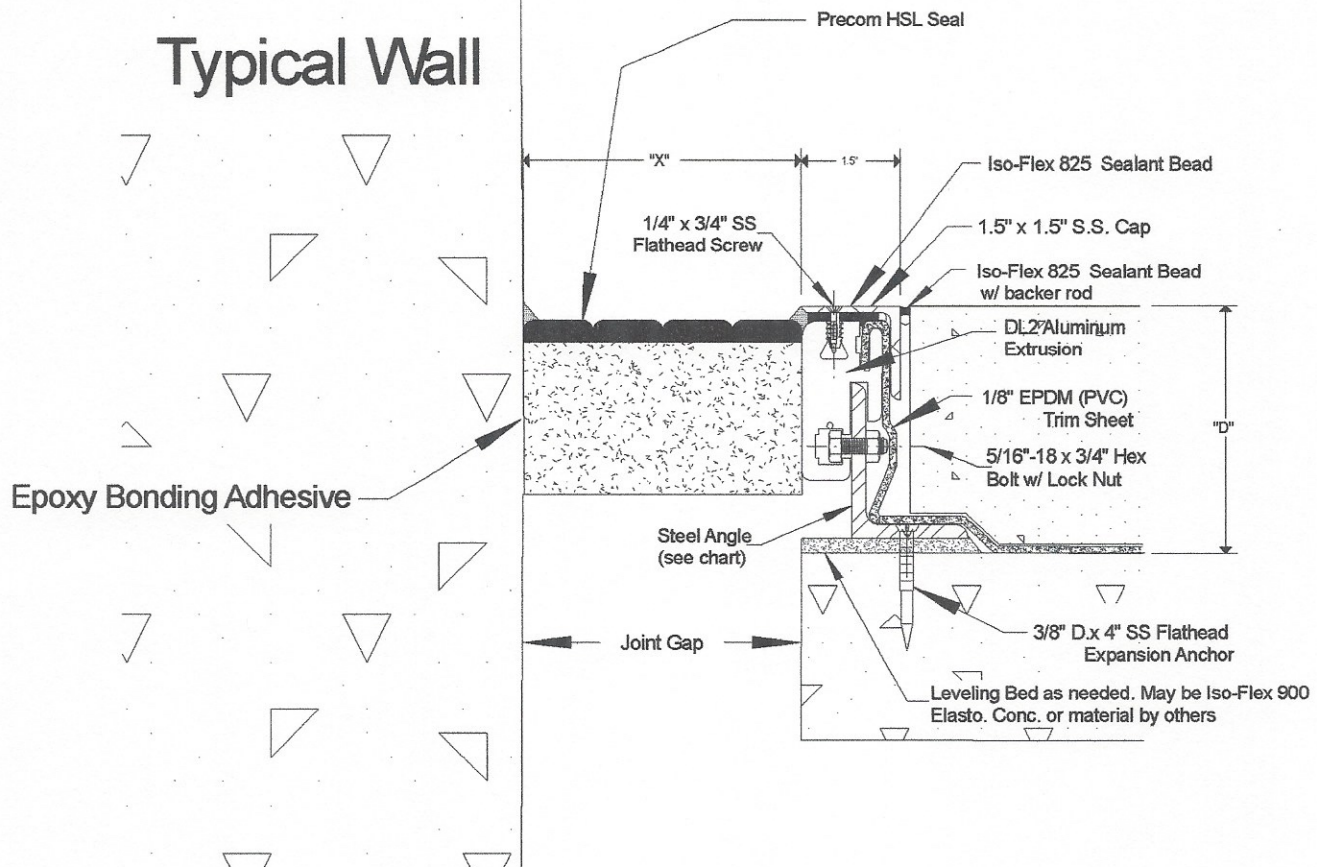
Decklock PCM Installation Page 4

Drawing Number:

Wall Condition

SYSTEM	Steel Angle		
	Vert. Leg	Horiz. Leg	Thickness
3,500	2,000	3,000	0.250
4,500	3,000	3,000	0.250
5,500	4,000	3,000	0.250
6,500	5,000	3,000	0.250
7,500	6,000	3,000	0.250
8,500	7,000	3,000	0.250
9,500	8,000	3,000	0.250
10,500	9,000	3,000	0.250
11,500	10,000	3,000	0.250
12,500	11,000	3,000	0.250
13,500	12,000	3,000	0.250
14,500	13,000	3,000	0.250
15,500	14,000	3,000	0.250
16,500	15,000	3,000	0.250
17,500	16,000	3,000	0.250
18,500	17,000	3,000	0.250
19,500	18,000	3,000	0.250
20,500	19,000	3,000	0.250
21,500	20,000	3,000	0.250
22,500	21,000	3,000	0.250
23,500	22,000	3,000	0.250
24,500	23,000	3,000	0.250
25,500	24,000	3,000	0.250
26,500	25,000	3,000	0.250
27,500	26,000	3,000	0.250
28,500	27,000	3,000	0.250
29,500	28,000	3,000	0.250
30,500	29,000	3,000	0.250
31,500	30,000	3,000	0.250
32,500	31,000	3,000	0.250
33,500	32,000	3,000	0.250
34,500	33,000	3,000	0.250
35,500	34,000	3,000	0.250
36,500	35,000	3,000	0.250
37,500	36,000	3,000	0.250
38,500	37,000	3,000	0.250
39,500	38,000	3,000	0.250
40,500	39,000	3,000	0.250
41,500	40,000	3,000	0.250
42,500	41,000	3,000	0.250
43,500	42,000	3,000	0.250
44,500	43,000	3,000	0.250
45,500	44,000	3,000	0.250
46,500	45,000	3,000	0.250
47,500	46,000	3,000	0.250
48,500	47,000	3,000	0.250
49,500	48,000	3,000	0.250
50,500	49,000	3,000	0.250
51,500	50,000	3,000	0.250
52,500	51,000	3,000	0.250
53,500	52,000	3,000	0.250
54,500	53,000	3,000	0.250
55,500	54,000	3,000	0.250
56,500	55,000	3,000	0.250
57,500	56,000	3,000	0.250
58,500	57,000	3,000	0.250
59,500	58,000	3,000	0.250
60,500	59,000	3,000	0.250
61,500	60,000	3,000	0.250
62,500	61,000	3,000	0.250
63,500	62,000	3,000	0.250
64,500	63,000	3,000	0.250
65,500	64,000	3,000	0.250
66,500	65,000	3,000	0.250
67,500	66,000	3,000	0.250
68,500	67,000	3,000	0.250
69,500	68,000	3,000	0.250
70,500	69,000	3,000	0.250
71,500	70,000	3,000	0.250
72,500	71,000	3,000	0.250
73,500	72,000	3,000	0.250
74,500	73,000	3,000	0.250
75,500	74,000	3,000	0.250
76,500	75,000	3,000	0.250
77,500	76,000	3,000	0.250
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88,500	87,000	3,000	0.250
89,500	88,000	3,000	0.250
90,500	89,000	3,000	0.250
91,500	90,000	3,000	0.250
92,500	91,000	3,000	0.250
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95,500	94,000	3,000	0.250
96,500	95,000	3,000	0.250
97,500	96,000	3,000	0.250
98,500	97,000	3,000	0.250
99,500	98,000	3,000	0.250
100,500	99,000	3,000	0.250

Typical Wall



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Scale: NTS	Drawn By: GAB
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Decklock PCM Installation Page 5	
Drawing Number:	

Recommended Tools and Equipment

Hand Tools & Materials

1. Tape Measure
2. Chalk Line & Chalk
3. Combination Square
4. 4 Foot Level
5. Razor Knives
6. Pry Bars
7. Margin Trowels
8. Bulk Caulking Gun
9. Caulking Cartridge Gun
(Large & Small)
10. Rubber Mallet
11. Shop Vac
12. Clean Rags
13. Open End Wrenches
14. Hex Socket Ratchet Set
15. Screw Drivers

Electric Tools

1. Extension Cords
2. Power Drills
3. Drill Bits
4. Power Miter Saw
5. Sawz-All Reciprocating Saw
6. Soldering Iron with flared tip
7. Hand Grinders

Decklock Component List

Components

1. A36 Steel Base Angles
(Various Sizes)
2. DL2 Core Aluminum Extrusion
3. Precom HSL Rubber Seal
(Various Sizes)
4. Epoxy Bonding Adhesive
5. Flexible Sealant
6. Dow 888 Silicone
7. Type 304 Stainless Steel 1.5"
x 1.5" Angles
8. 1/8" x 12" Rubber Trim Strip in
EPDM or PVC
9. IsoFlex 825 Sealant

Hardware

1. 1/4" x 3/4" Stainless Steel
Flathead Machine Screw
2. 5/16" x 3/4" Stainless Steel
Hex Bolt
3. 5/16" Stainless Steel Hex
Lock Nut w/ Nylon
4. 3/8" x 4" Stainless Steel
Expansion Anchor
5. 3/32" x 1" Stainless Steel
Dowel Pin

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Date: 2/20

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Decklock PCM Installation Page 6

Drawing Number: