

**MINIMUM FASTENER PENETRATIONS AT THE DECK  
(STANDARD ATTACHMENT):**

Deck Type:	Penetration Depth:	Fastener Type:
Plywood or Oriented Strand Board:	1/2" Completely through deck	IB HD #14 or IB XHD #15
1" Minimum Wood Plank:	1" into deck	IB HD #14 or IB XHD #15
Steel:	3/4" Completely through top flute	IB HD #14 or IB XHD #15
Light Weight Insulating Concrete over Steel Deck:	3/4" Completely through top flute	IB HD #14 or IB XHD #15
Light Weight Insulating Concrete:	1-1/2" into deck	Deklite
Structural Concrete:	1-1/4" into deck	Dekspike
Poured Gypsum:	1-1/2" into deck	Deklite
Cementitious Wood Fiber:	1-1/2" into deck	Deklite

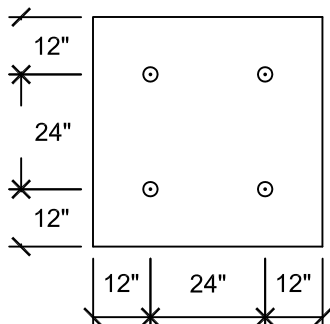
**IB Standard Pull-Test Values for Fasteners**

7/16" OSB	275 lbs
5/8" OSB	350 lbs
1/2" Plywood	425 lbs
1" Minimum Wood Plank	450 lbs
22 ga. Steel	525 lbs
24 ga. Steel	425 lbs
Structural Concrete	800 lbs
LWIC over 24 ga. Steel	425 lbs
Poured Gypsum	300 lbs
Cementitious Wood Fiber	300 lbs

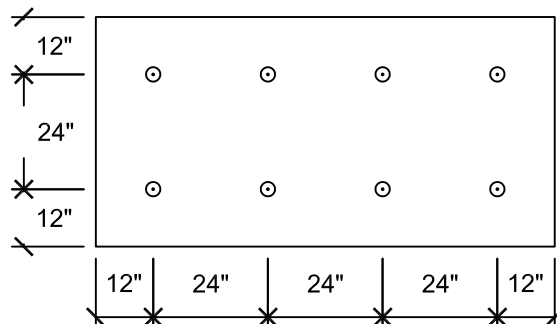
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Submitted By: Address: Telephone:		Project: Address:

**FIELD**  
(1 PER 4 SQ FT)

**4 PER 4' x 4'**

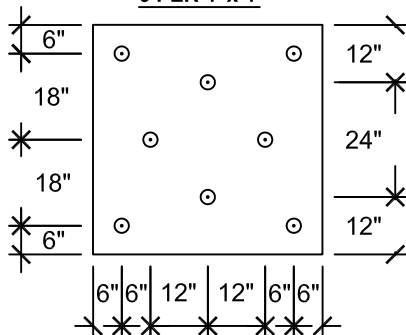


**8 PER 4' x 8'**

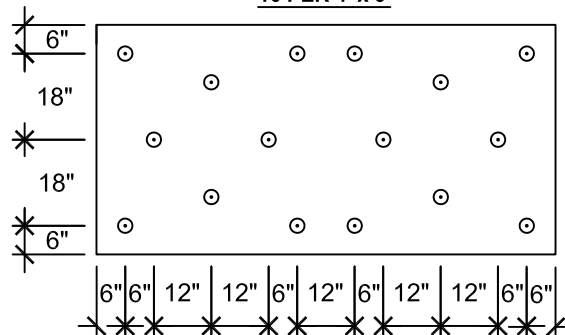


**PERIMETER**  
(**ENHANCEMENT**)

**8 PER 4' x 4'**

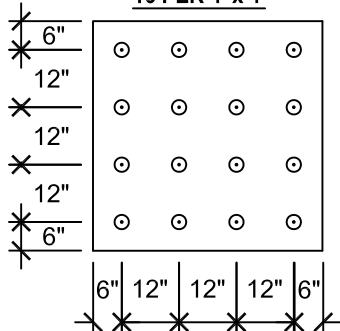


**16 PER 4' x 8'**

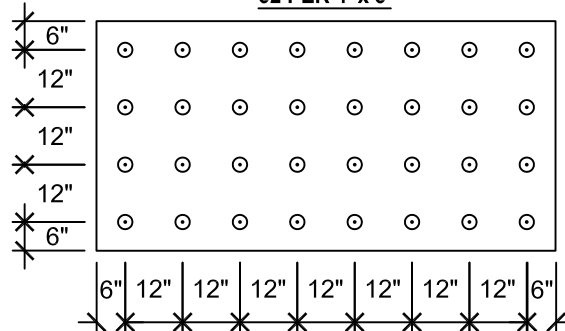


**CORNER**  
(**ENHANCEMENT**)

**16 PER 4' x 4'**



**32 PER 4' x 8'**



**NOTES:**

- FASTENING PATTERNS ARE PROVIDED AS GUIDELINES FOR FASTENER PLACEMENT FOR MECHANICALLY ATTACHED INSULATION OR COVER BOARD UNDER A FULLY ADHERED MEMBRANE SYSTEM.
- AN APPROVED COVER BOARD IS REQUIRED FOR EPS, XPS, & POLYISOCYANURATE INSULATIONS NOT APPROVED BY IB ROOF SYSTEMS.

**Scale:**  
NTS

**Detail Name:**

**1 Per 4 Fastening Patterns for Insulation/Cover Board**

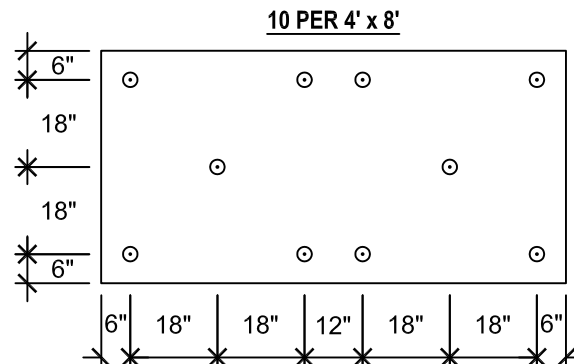
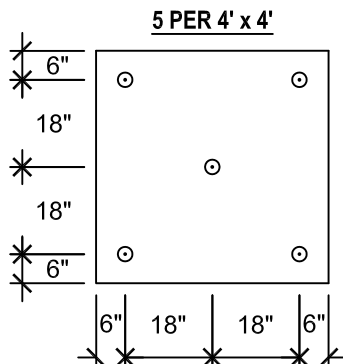
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**FA-AT-02**

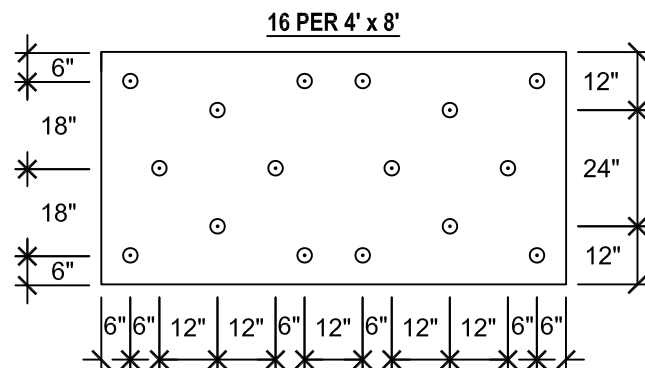
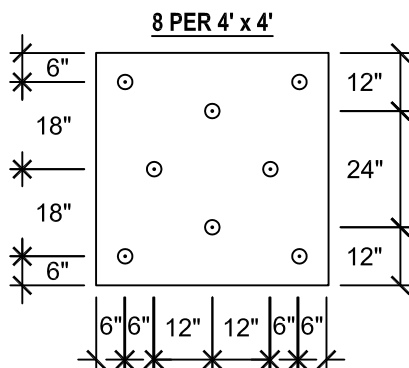
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Address:  
Telephone:

**Project:**  
Address:

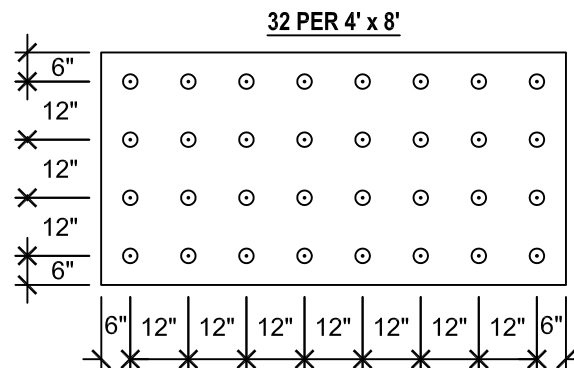
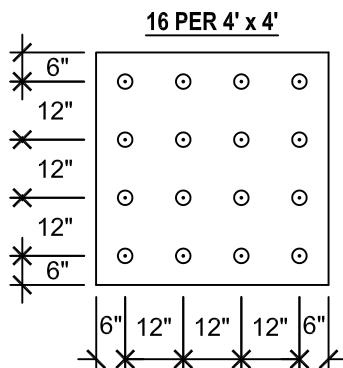
**FIELD**  
(1 PER 3.2 SQ FT)



**PERIMETER**  
(ENHANCEMENT)



**CORNER**  
(ENHANCEMENT)



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Scale:  
NTS

Detail Name:

**1 Per 3.2 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-03**

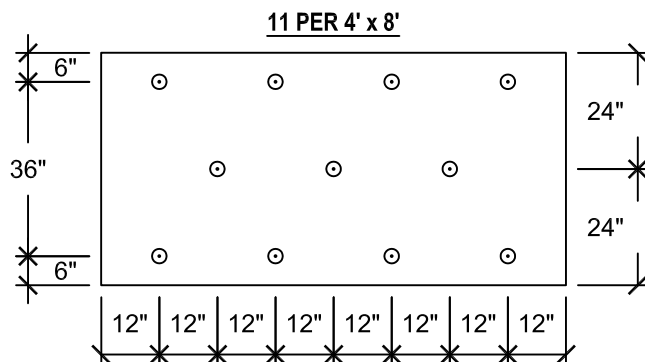
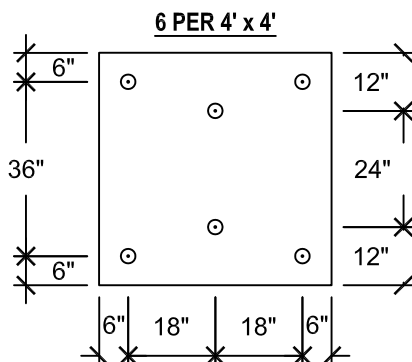
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Address:  
Telephone:

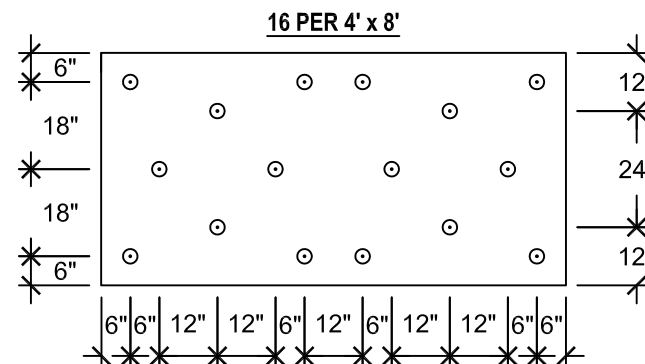
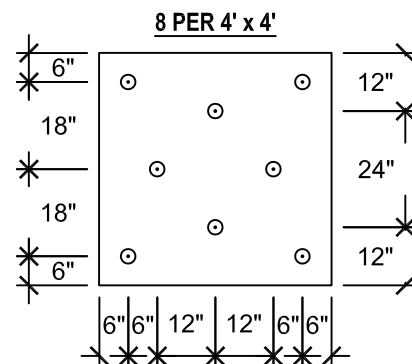
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Address:

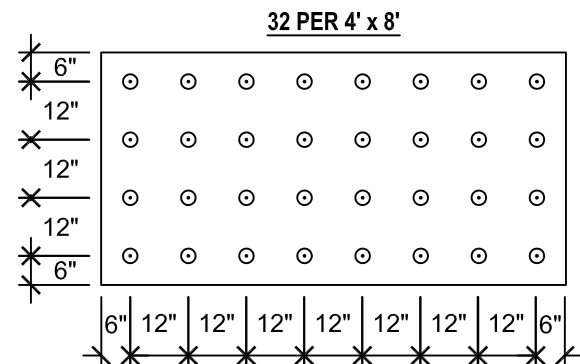
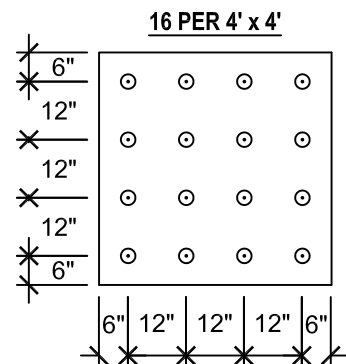
**FIELD**  
(1 PER 2.9 SQ FT)



**PERIMETER**  
(ENHANCEMENT)



**CORNER**  
(ENHANCEMENT)



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**Scale:**  
NTS

**Detail Name:**

**1 Per 2.9 Fastening Patterns for Insulation/Cover Board**

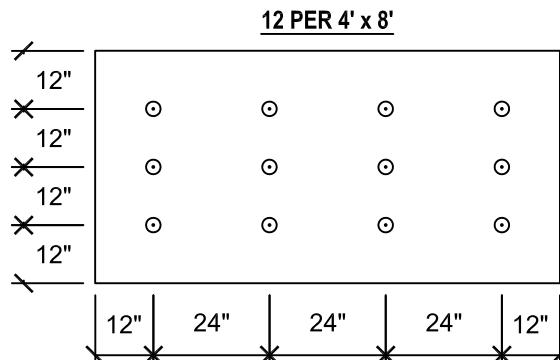
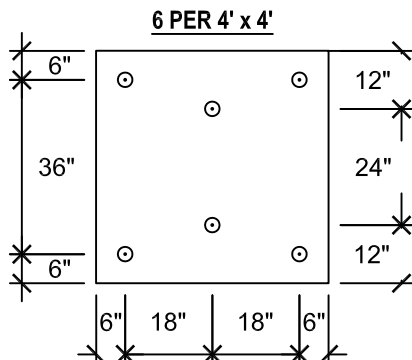
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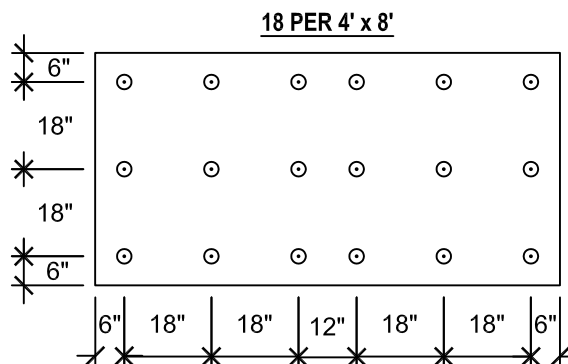
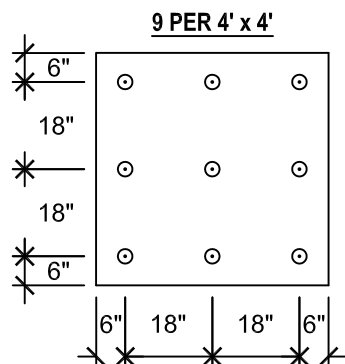
**Submitted By:**  
Address:  
Telephone:

**Project:**  
Address:

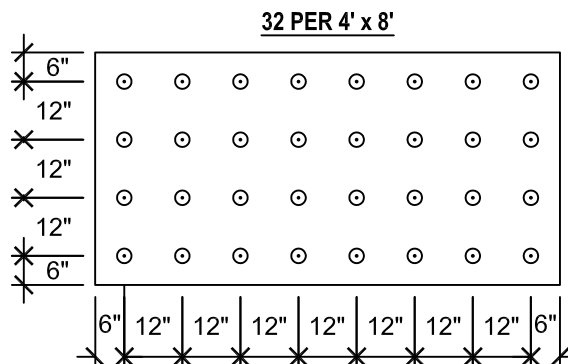
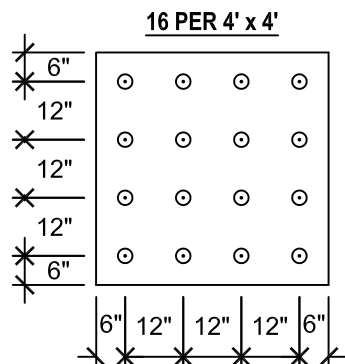
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(1 PER 2.67 SQ FT)



**PERIMETER**  
(ENHANCEMENT)



**CORNER**  
(ENHANCEMENT)



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Scale:  
NTS

Detail Name:

**1 Per 2.67 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-05**

Submitted By:

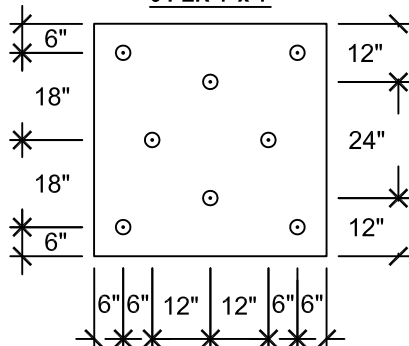
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Project:

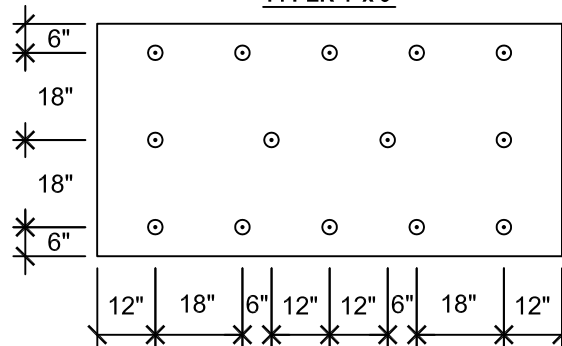
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**FIELD**  
(1 PER 2.3 SQ FT)

**8 PER 4' x 4'**

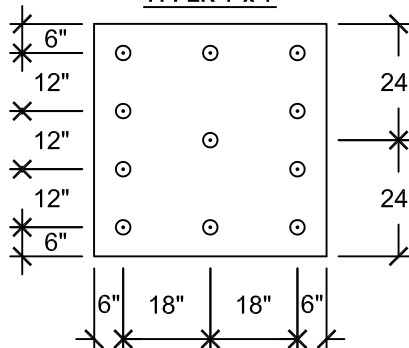


**14 PER 4' x 8'**

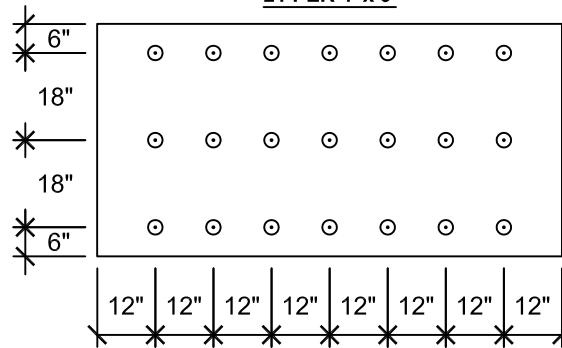


**PERIMETER**  
(ENHANCEMENT)

**11 PER 4' x 4'**

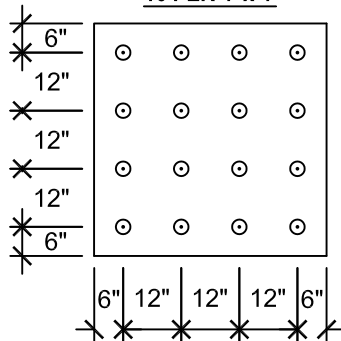


**21 PER 4' x 8'**

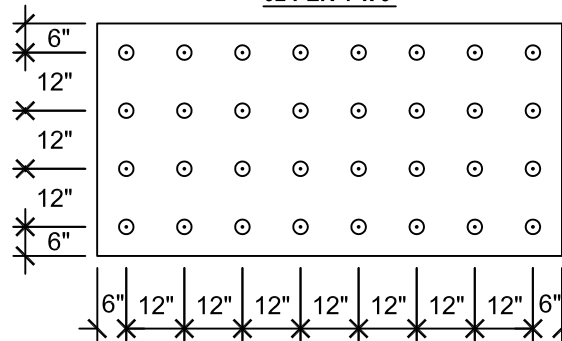


**CORNER**  
(ENHANCEMENT)

**16 PER 4' x 4'**



**32 PER 4' x 8'**



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**Scale:**  
NTS

**Detail Name:**

**1 Per 2.3 Fastening Patterns for Insulation/Cover Board**

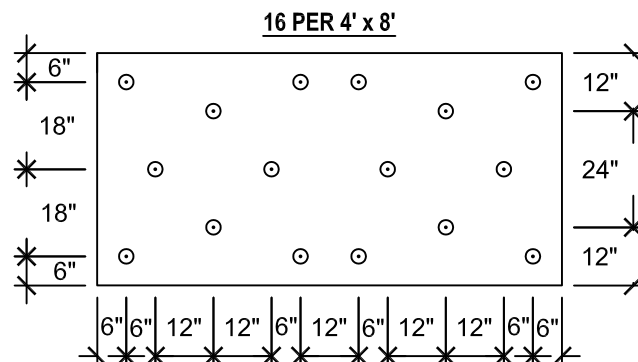
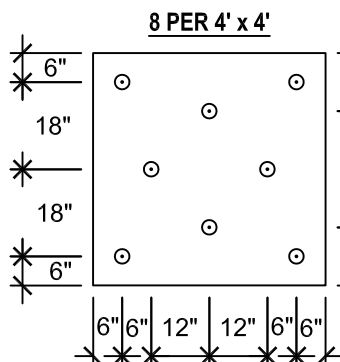
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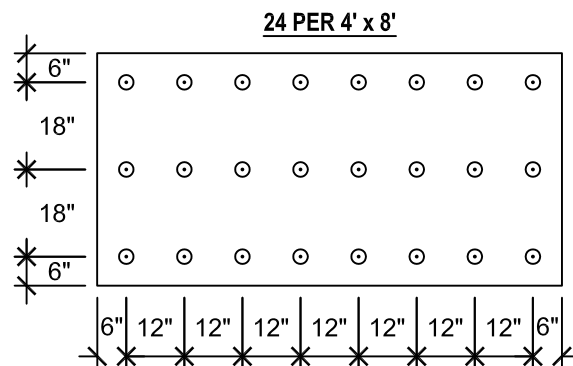
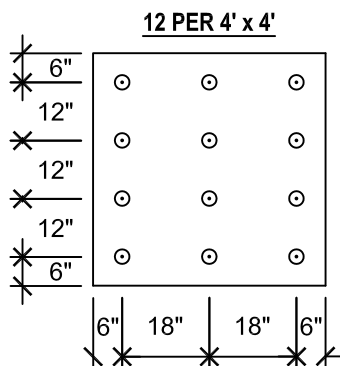
**Submitted By:**  
Address:  
Telephone:

**Project:**  
Address:

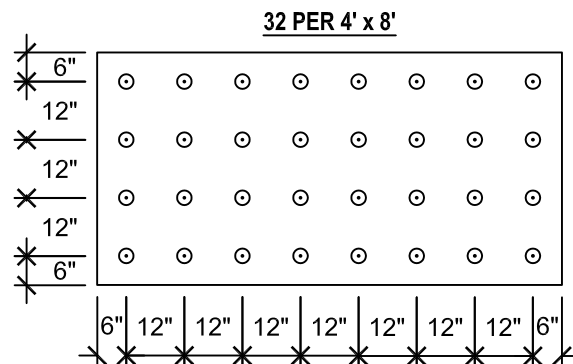
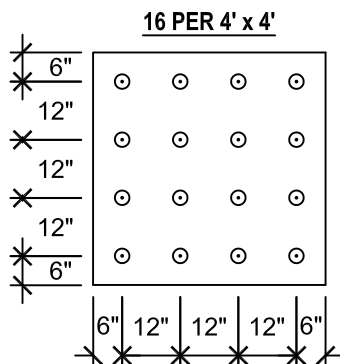
**FIELD**  
(1 PER 2 SQ FT)



**PERIMETER**  
(ENHANCEMENT)



**CORNER**  
(ENHANCEMENT)



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Scale:  
NTS

Detail Name:

**1 Per 2 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-07**

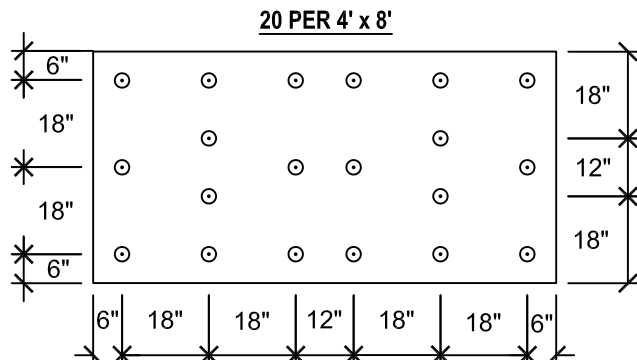
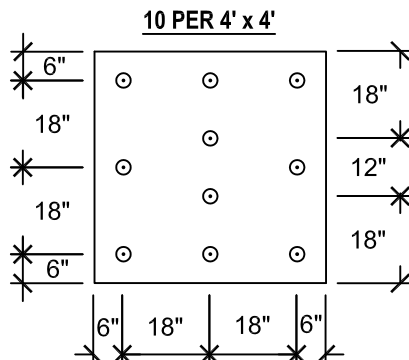
Submitted By:

Address:  
Telephone:

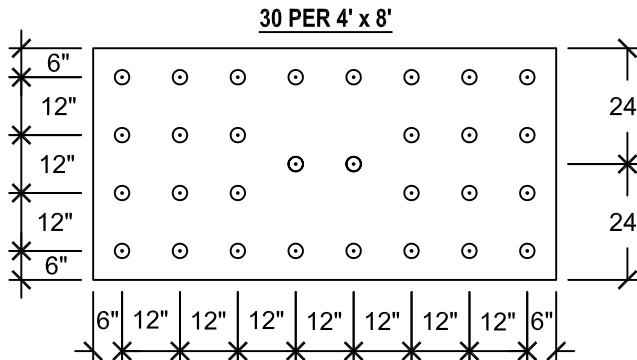
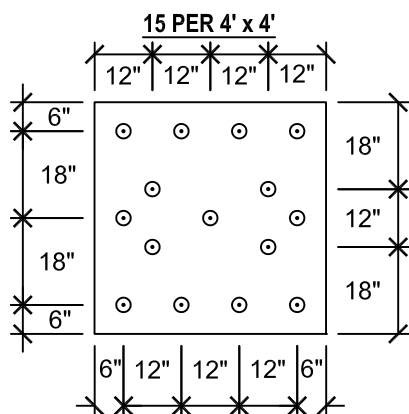
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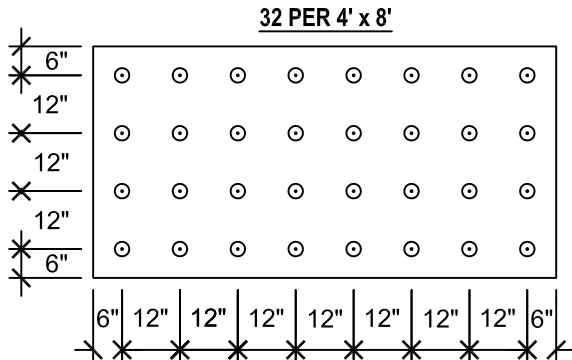
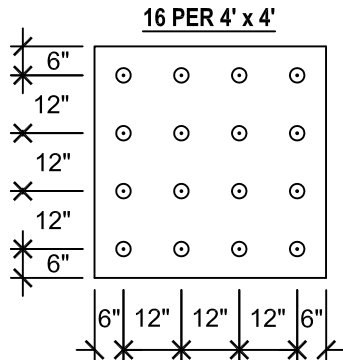
**FIELD**  
(1 PER 1.6 SQ FT)



**PERIMETER**  
(ENHANCEMENT)



**CORNER**  
(ENHANCEMENT)



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Scale:  
NTS

Detail Name:

**1 Per 1.6 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-08**

Submitted By:

Address:  
Telephone:

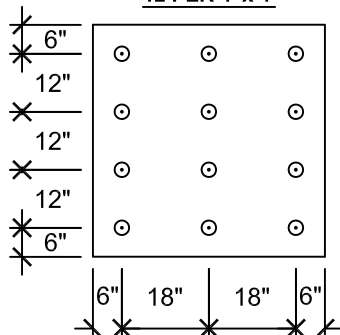
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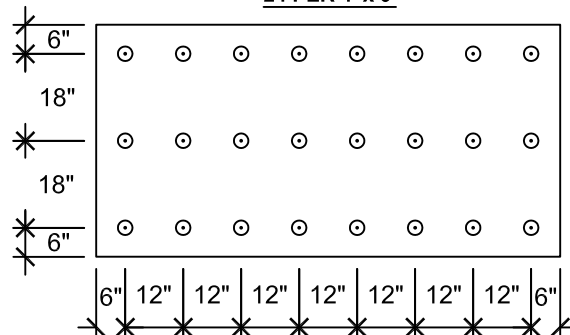


**FIELD**  
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**12 PER 4' x 4'**

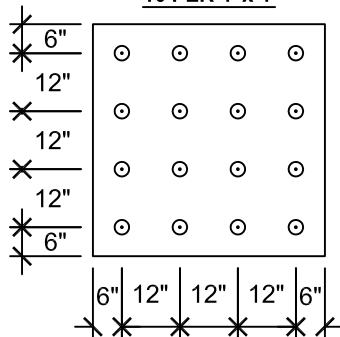


**24 PER 4' x 8'**

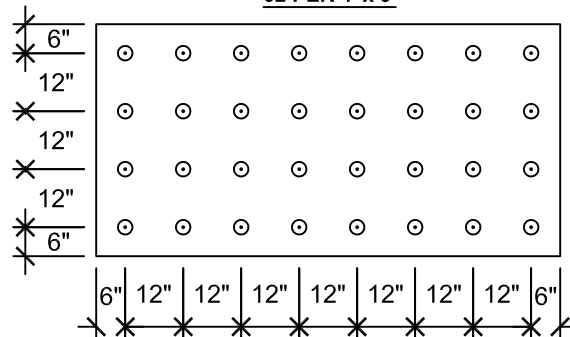


**PERIMETER**  
(ENHANCEMENT)

**16 PER 4' x 4'**

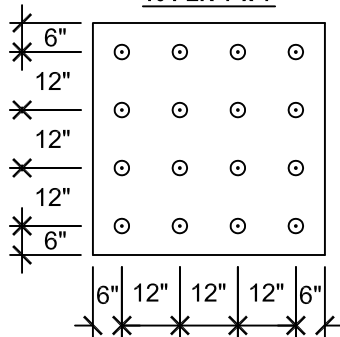


**32 PER 4' x 8'**

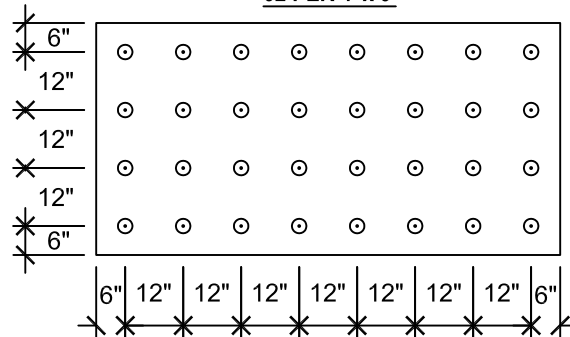


**CORNER**  
(ENHANCEMENT)

**16 PER 4' x 4'**



**32 PER 4' x 8'**



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Scale:  
NTS

Detail Name:

**1 Per 1.33 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-09**

Submitted By:

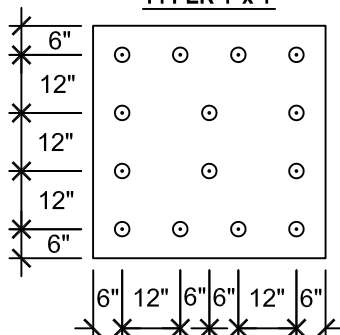
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Project:

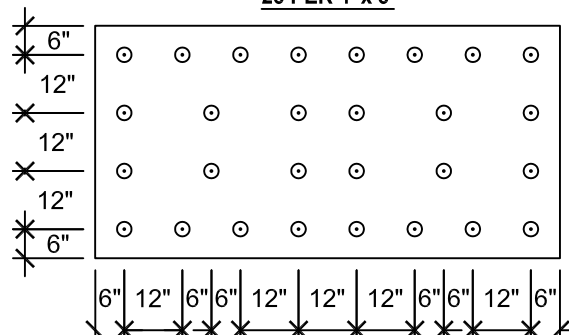
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**FIELD**  
(1 PER 1.12 SQ FT)

**14 PER 4' x 4'**

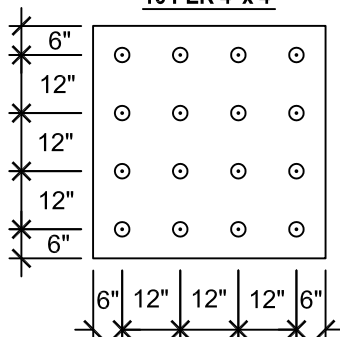


**28 PER 4' x 8'**

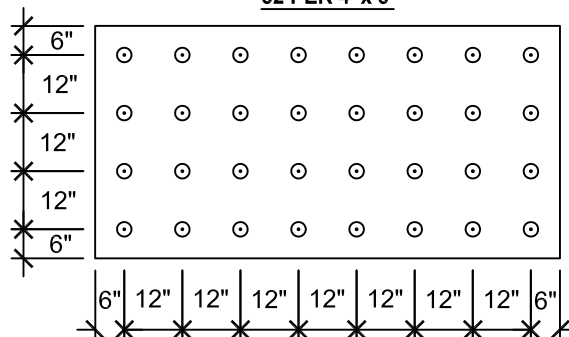


**PERIMETER**  
(ENHANCEMENT)

**16 PER 4' x 4'**

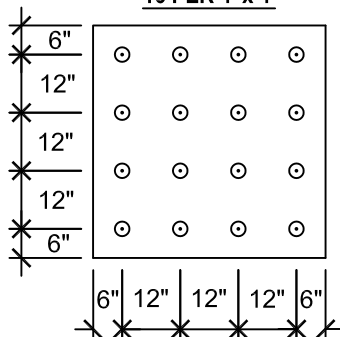


**32 PER 4' x 8'**

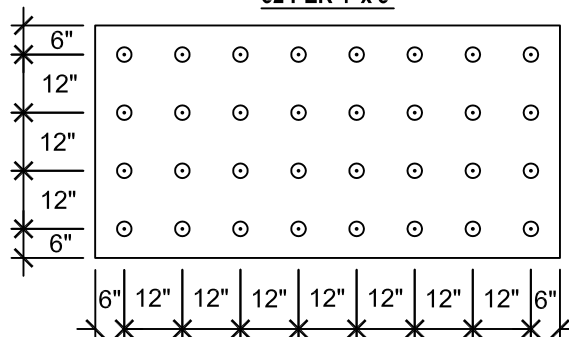


**CORNER**  
(ENHANCEMENT)

**16 PER 4' x 4'**



**32 PER 4' x 8'**



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Scale:  
NTS

Detail Name:

**1 Per 1.12 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-10**

Submitted By:

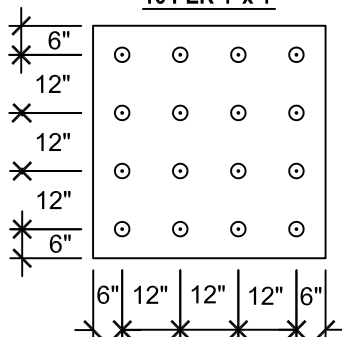
Address:  
Telephone:

Project:

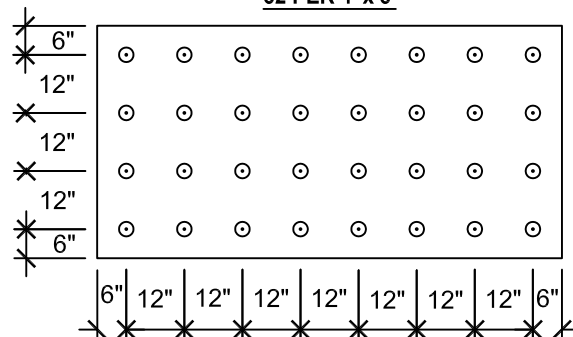
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**FIELD**  
(1 PER 1 SQ FT)

**16 PER 4' x 4'**

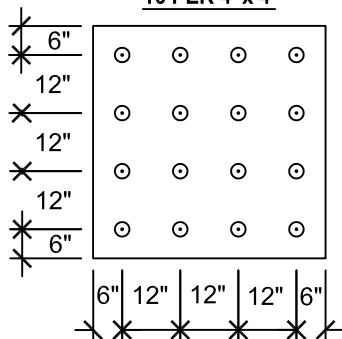


**32 PER 4' x 8'**

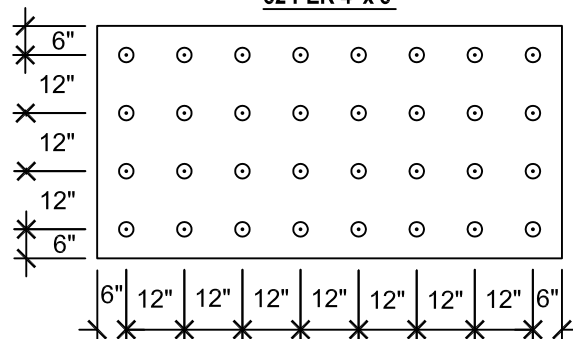


**PERIMETER**  
(ENHANCEMENT)

**16 PER 4' x 4'**

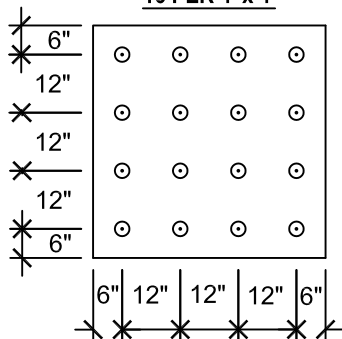


**32 PER 4' x 8'**

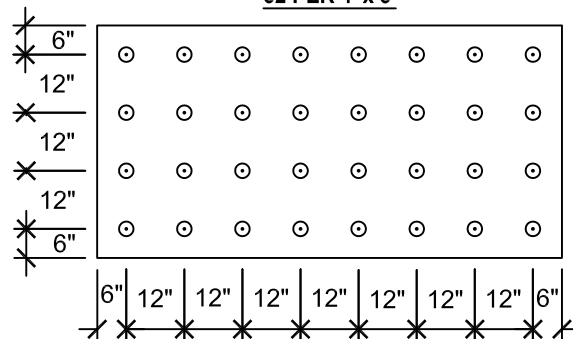


**CORNER**  
(ENHANCEMENT)

**16 PER 4' x 4'**



**32 PER 4' x 8'**



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Scale:  
NTS

Detail Name:

**1 Per 1 Fastening Patterns for Insulation/Cover Board**

Detail Number:

**FA-AT-11**

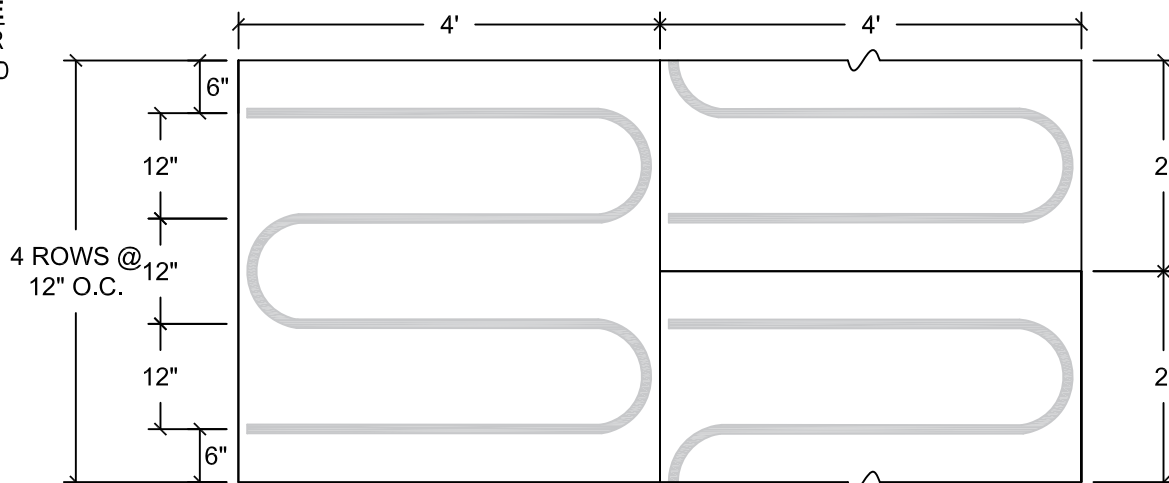
Submitted By:

Address:  
Telephone:

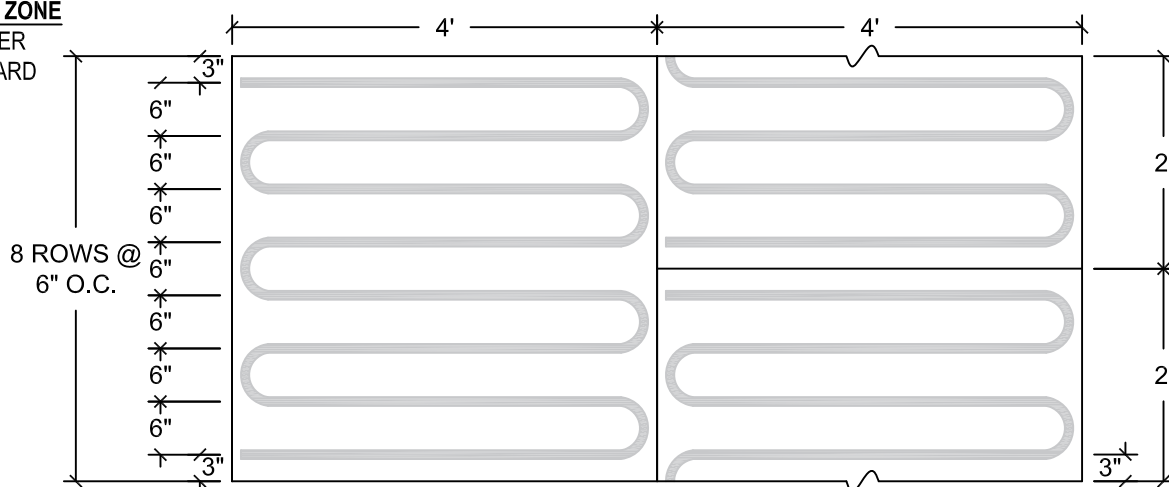
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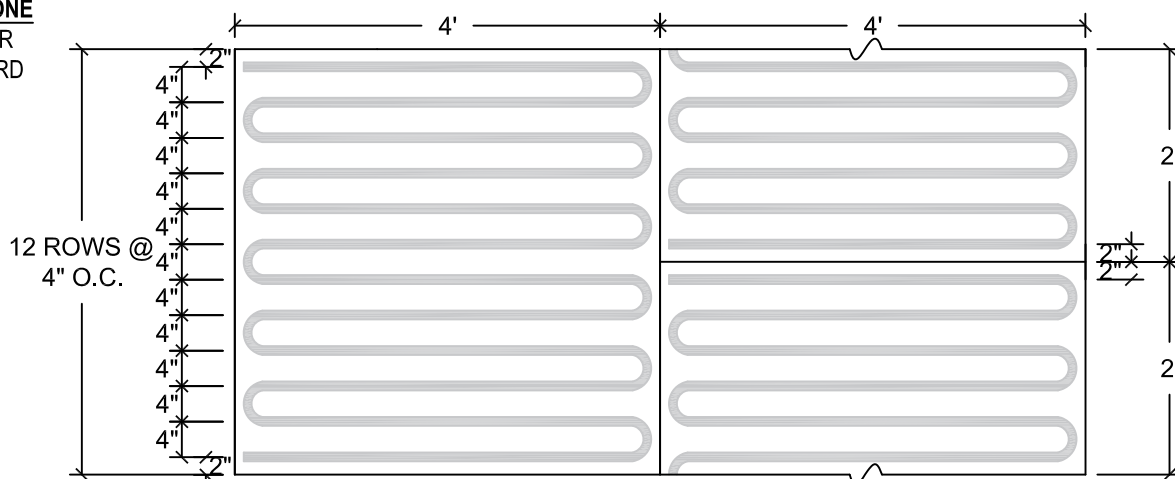
**FIELD ZONE**  
12" O.C. PER  
4' X 4' BOARD



**PERIMETER ZONE**  
6" O.C. PER  
4' X 4' BOARD



**CORNER ZONE**  
4" O.C. PER  
4' X 4' BOARD



Scale:  
NTS

Detail Name:

**Ribbon Adhesive Layout - 4' x 4'**

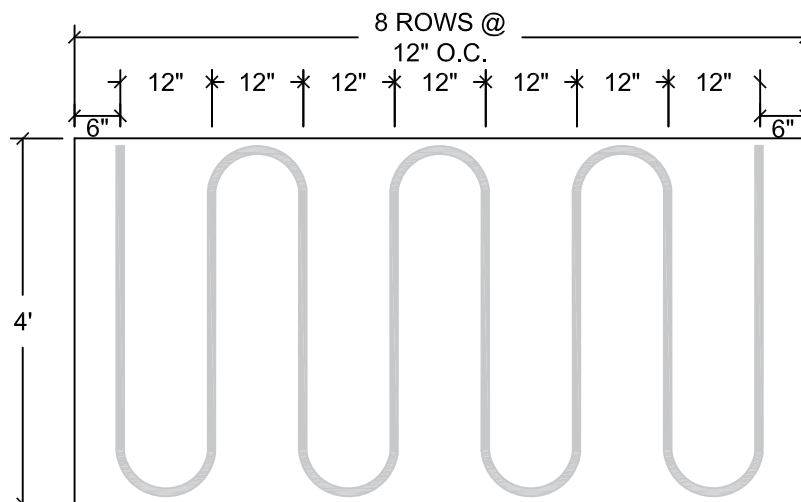
Detail Number:

**FA-AT-12**

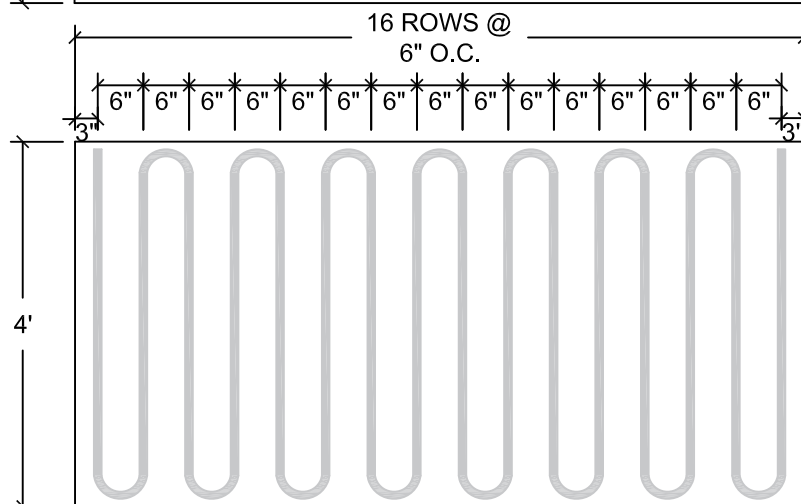
Submitted By:  
Address:  
Telephone:

Project:  
Address:

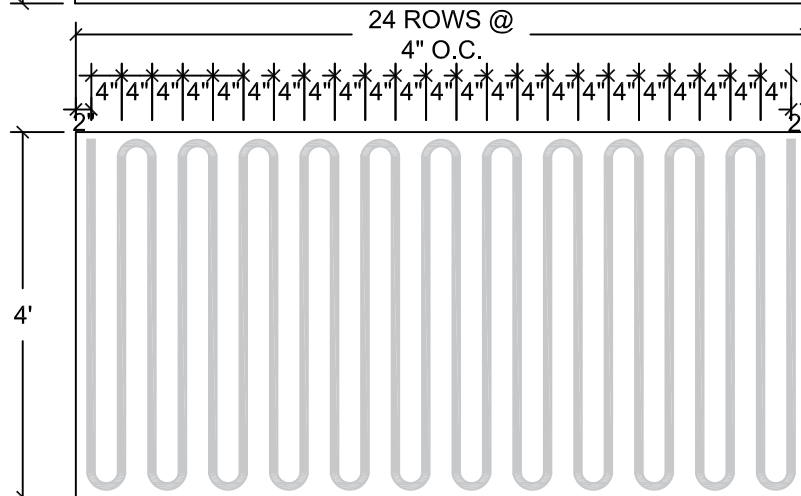
**FIELD ZONE**  
12" O.C. PER  
4' X 8' BOARD



**PERIMETER ZONE**  
6" O.C. PER  
4' X 8' BOARD



**CORNER ZONE**  
4" O.C. PER  
4' X 8' BOARD



Scale:  
NTS

Detail Name:

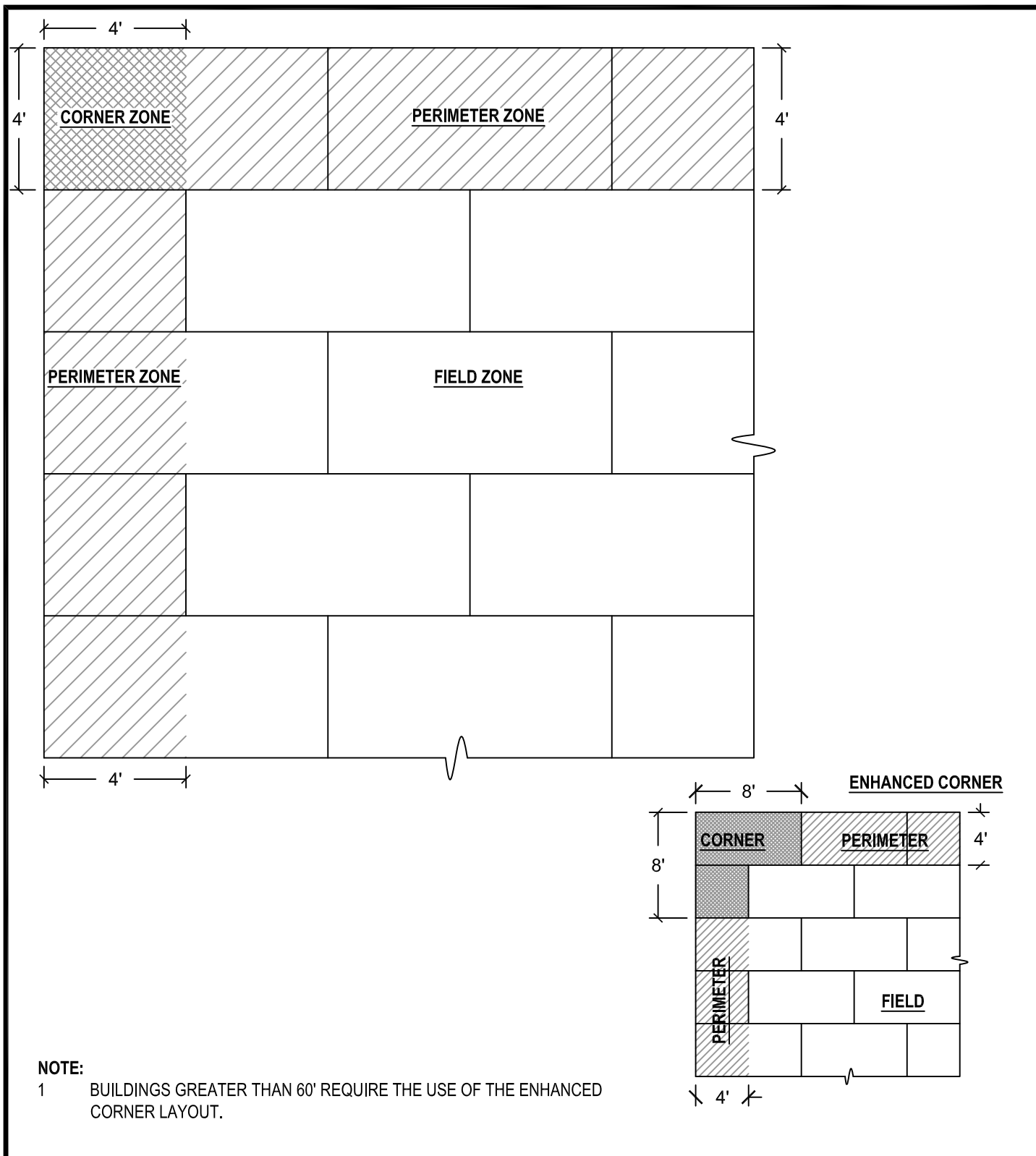
**Ribbon Adhesive Layout - 4' x 8'**

Detail Number:

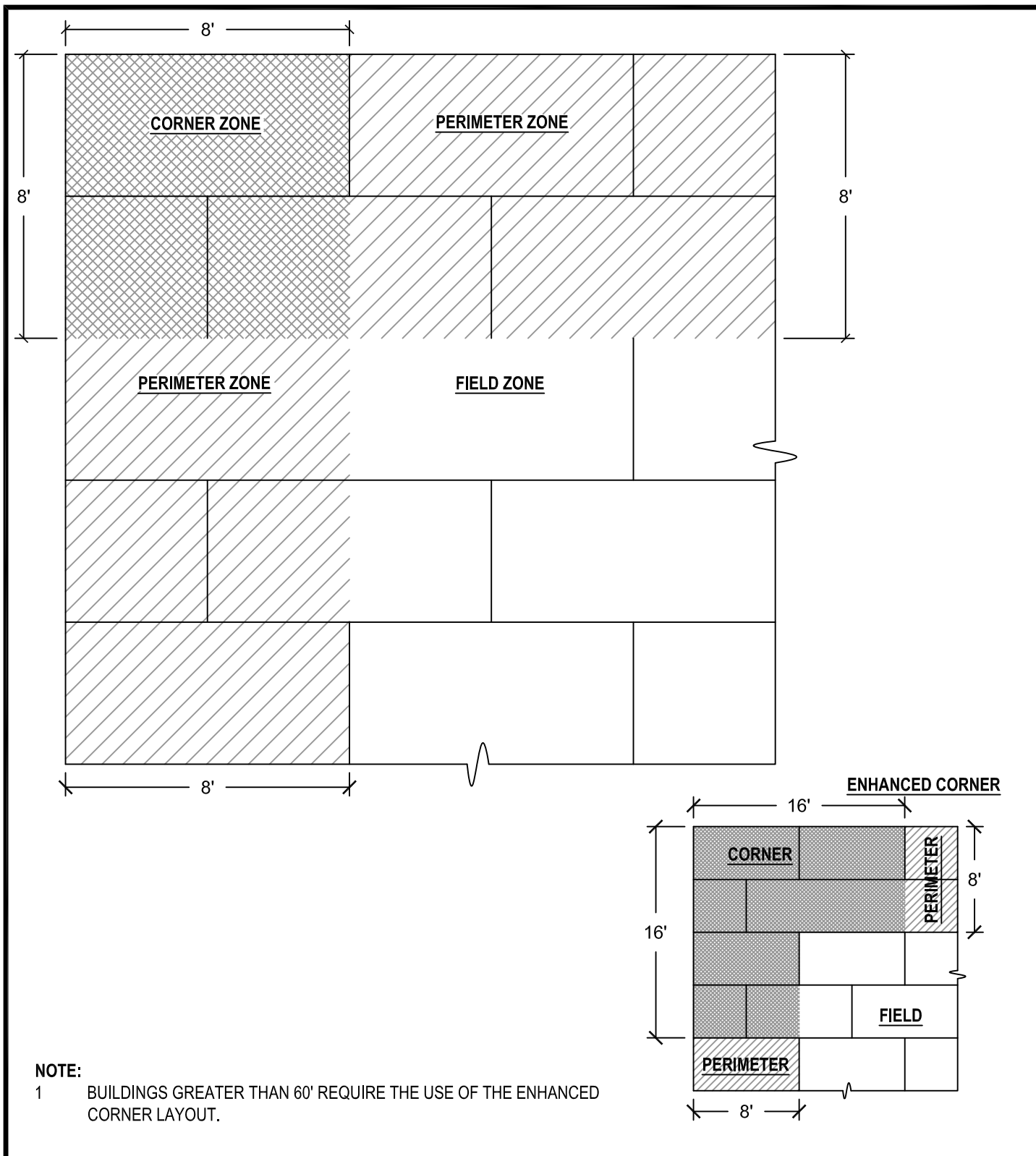
**FA-AT-13**

Submitted By:  
Address:  
Telephone:

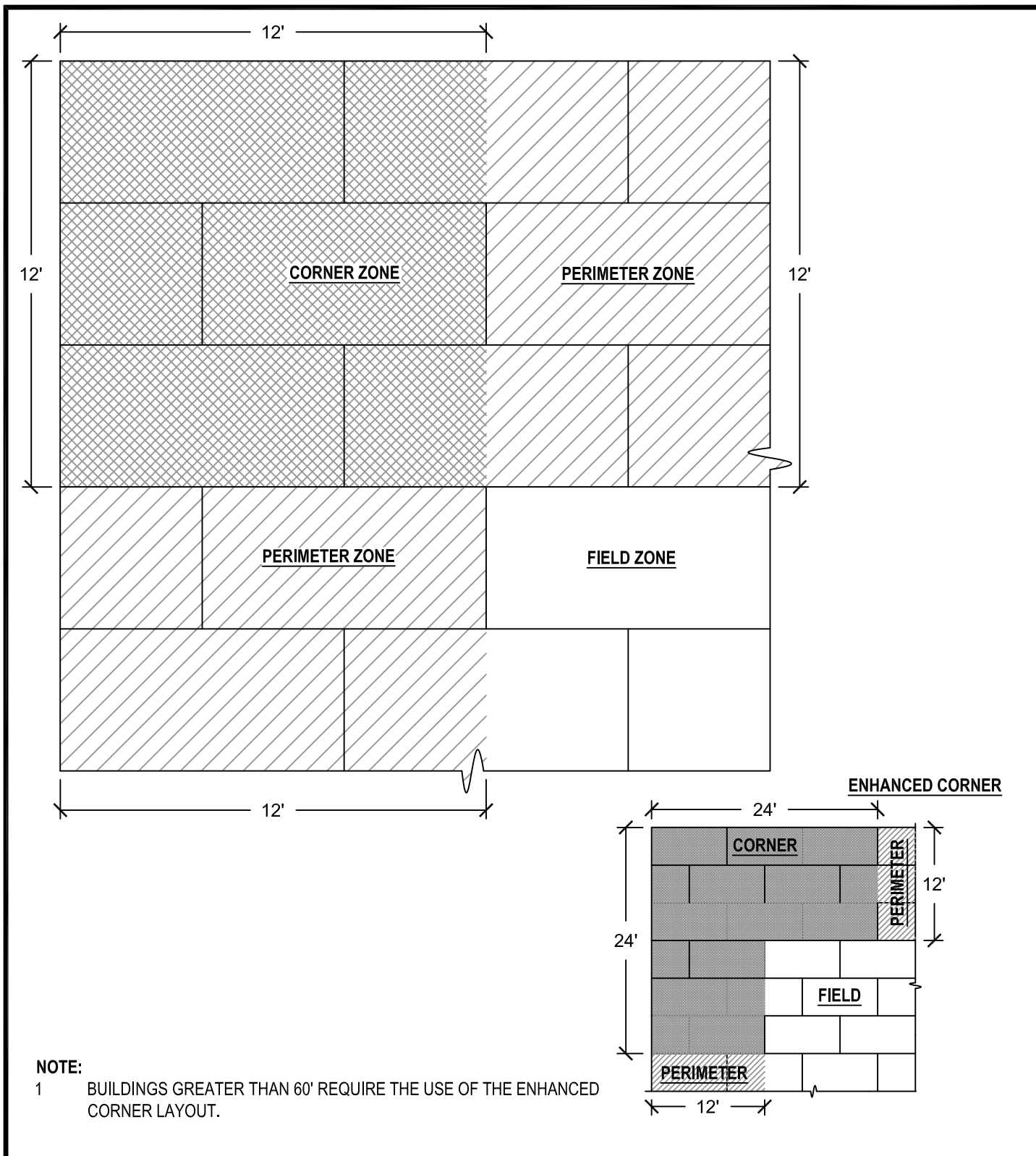
Project:  
Address:



Scale: NTS	Detail Name: <b>4 Foot Zone Layout</b>	Detail Number: <b>FA-AT-14</b>
Submitted By: Address: Telephone:		Project: Address:

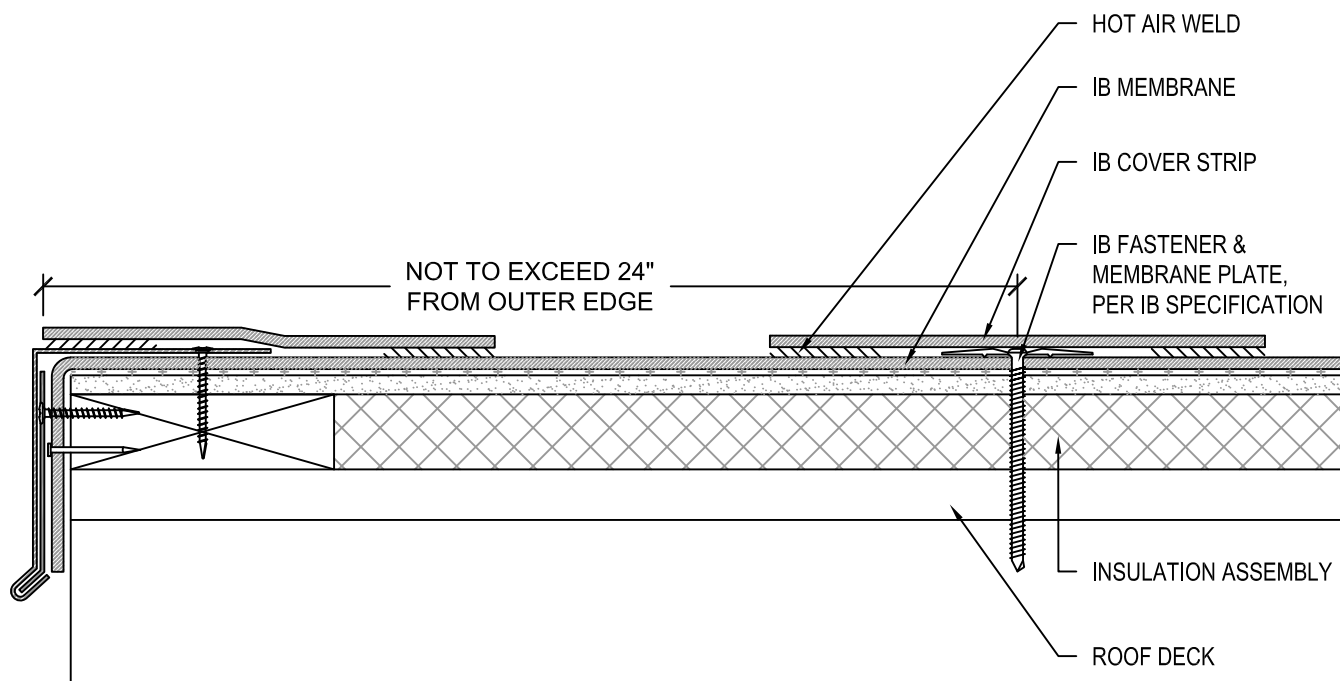


Scale: NTS	Detail Name: <b>8 Foot Zone Layout</b>	Detail Number: <b>FA-AT-15</b>
Submitted By: Address: Telephone:		Project: Address:



Scale: NTS	Detail Name: <b>12 Foot Zone Layout</b>	Detail Number: <b>FA-AT-16</b>
Submitted By: Address: Telephone:		Project: Address:





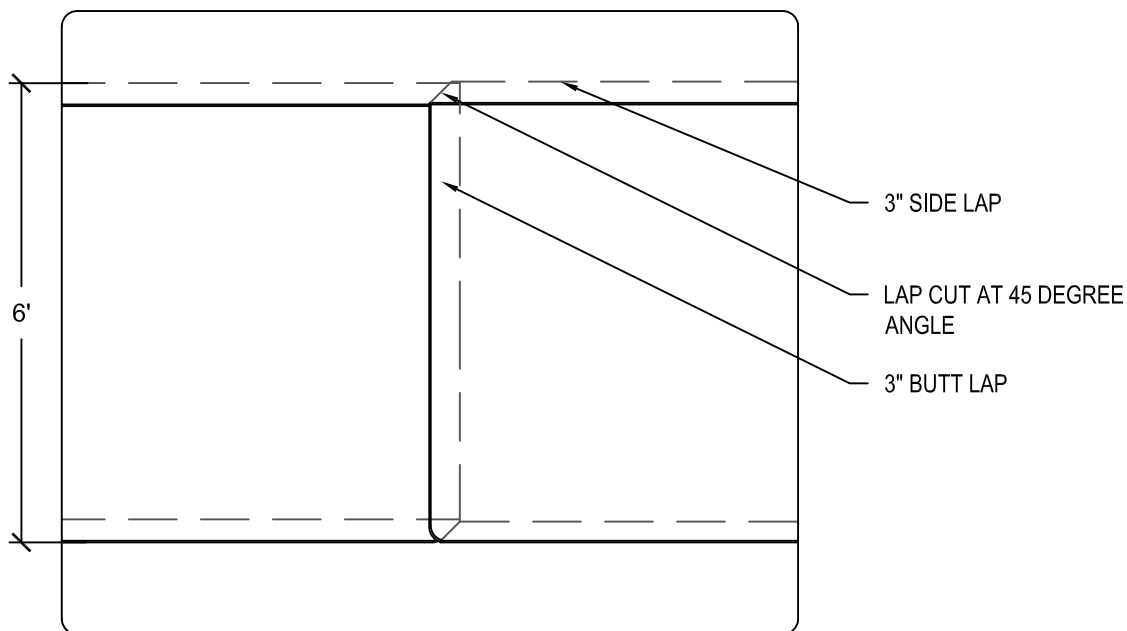
**NOTES:**

INSTALL IB APPROVED PEEL STOP DETAIL ON ALL FULLY ADHERED IB ROOF ASSEMBLIES WHERE THE FOLLOWING CONDITIONS OCCUR:

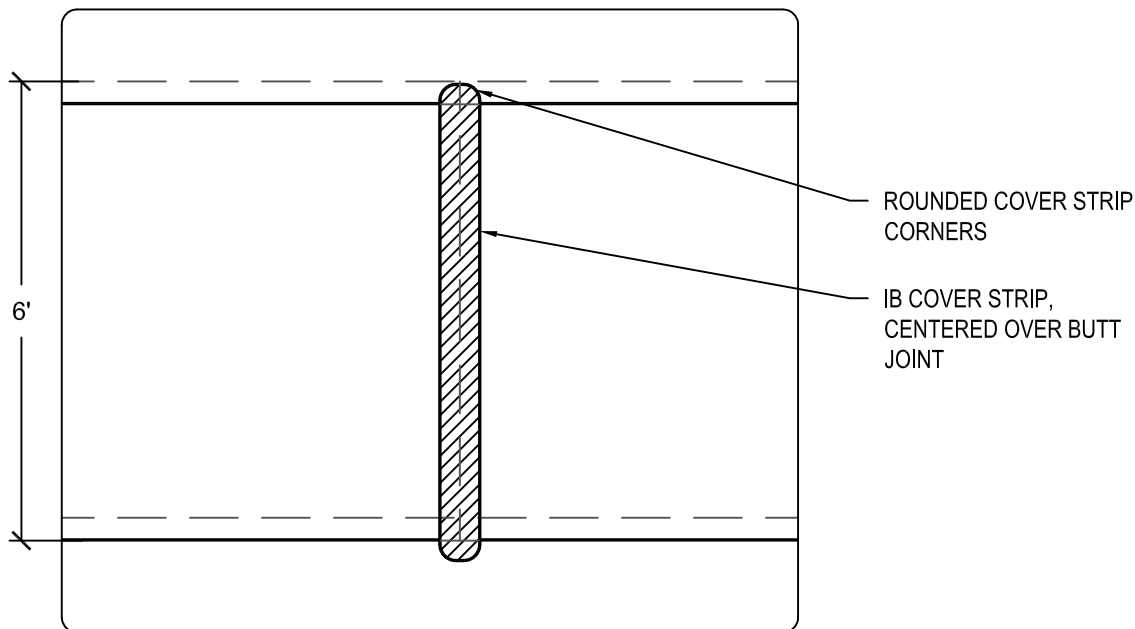
1. WIND RIDER WARRANTY IN EXCESS OF STANDARD PUBLISHED IB WARRANTY TERMS AND CONDITIONS
2. FACTORY MUTUAL PROJECTS WHERE REQUIRED BY FM INSTALLATION GUIDELINES
3. ROOF INSTALLATIONS WHERE:
  - A. BASIC WIND SPEED ZONE GREATER THAN ASCE 7-10 115 MPH (ASCE 7-05 90 MPH) WHERE ONE OR MORE OF THE FOLLOWING CONDITIONS OCCUR:
    - BUILDING CLASSIFICATION IS PARTIALLY ENCLOSED
    - DESIGN VELOCITY PRESSURES IS ABOVE -30 PSF
    - BUILDING LOCATED WITHIN SPECIAL WIND REGIONS OR HURRICANE ZONES
  - B. BASIC WIND SPEED ZONE LESS THAN OR EQUAL TO ASCE 7-10 115 MPH (ASCE 7-05 90 MPH) WHERE ONE OR MORE OF THE FOLLOWING CONDITIONS OCCUR:
    - ROOF HEIGHTS ABOVE 40' WITH PERIMETER METAL EDGE OR GUTTER DETAIL (NON-PARAPET WALL)
    - ALL ROOF HEIGHTS ABOVE 65'
    - BUILDING CLASSIFICATION IS PARTIALLY ENCLOSED
    - GUTTER OR EDGE DETAIL DOES NOT INCLUDE CONTINUOUS CLEAT

<b>Scale:</b> NTS	<b>Detail Name:</b> <div style="text-align: center; font-size: 1.2em; font-weight: bold;">Peel-Stop</div>	<b>Detail Number:</b> <div style="text-align: center; font-size: 1.2em; font-weight: bold;">FA-AT-17</div>
<b>Submitted By:</b> Address: Telephone:		<b>Project:</b> Address:

**IB MEMBRANE END LAPS**



**IB FLEECEBACK MEMBRANE END LAPS**



**NOTE:**

1. REFER TO IB ROUND T-JOINT PATCH DETAIL FOR IB 80 MIL SINGLE-PLY MEMBRANE

Scale:  
NTS

Detail Name:

**Membrane End Laps for Fully Adhered Membrane**

Detail Number:

**FA-AT-18**

Submitted By:

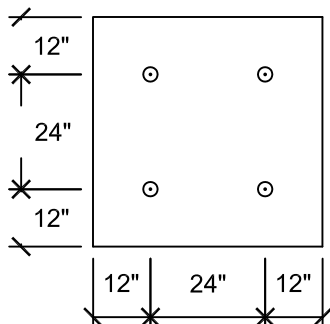
Address:  
Telephone:

Project:

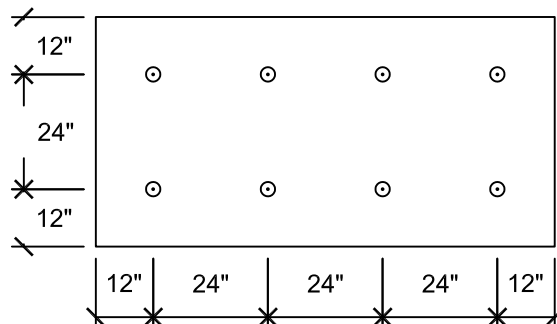
Address:

**FIELD**  
(1 PER 4 SQ FT)

**4 PER 4' x 4'**

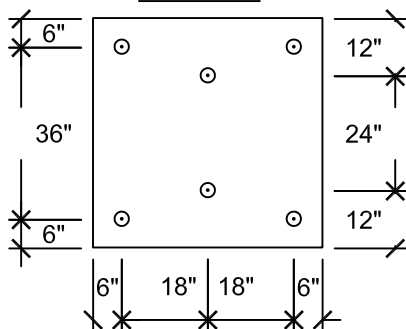


**8 PER 4' x 8'**

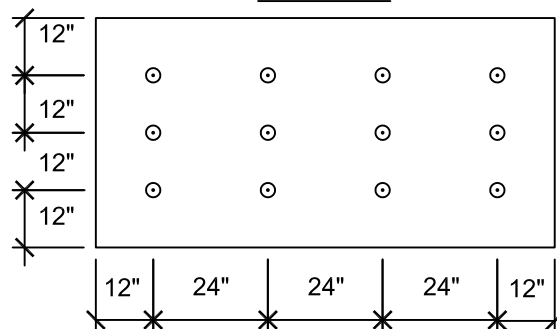


**PERIMETER**  
(ENHANCEMENT)

**6 PER 4' x 4'**

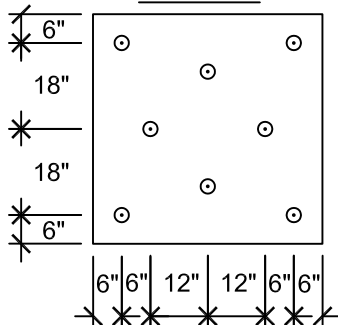


**12 PER 4' x 8'**

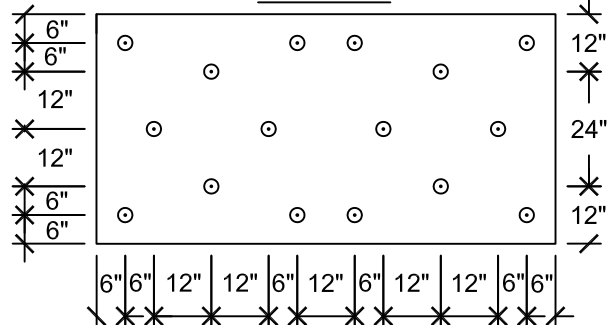


**CORNER**  
(ENHANCEMENT)

**8 PER 4' x 4'**



**16 PER 4' x 8'**



**NOTES:**

1. FASTENING PATTERNS ARE PROVIDED AS GUIDELINES FOR FASTENER PLACEMENT FOR MECHANICALLY ATTACHED INSULATION OR COVER BOARD UNDER A FULLY ADHERED MEMBRANE SYSTEM.
2. FASTENING PATTERNS SHOWN ABOVE ARE APPROVED BY IB ROOF SYSTEMS FOR USE IN ACCORDANCE WITH OUR CURRENT SPECIFICATIONS AND MEET MINIMUM IB INSTALLATION REQUIREMENTS FOR ISSUANCE OF STANDARD PUBLISHED IB WARRANTIES. BUILDINGS WITH FIELD OF ROOF DESIGN VELOCITY PRESSURES ABOVE -30 PSF, PROJECTS REQUIRING IB WIND RIDERS, LOCAL CODES AND PROJECT DESIGN CRITERIA MAY REQUIRE ADDITIONAL FASTENING.
3. AN APPROVED COVER BOARD IS REQUIRED FOR EPS, XPS, & POLYISOCYANURATE INSULATIONS NOT APPROVED BY IB ROOF SYSTEMS.

Scale:  
NTS

Detail Name:

**1 Per 4 Standard Fastening Pattern**

Detail Number:

**FA-AT-19**

Submitted By:

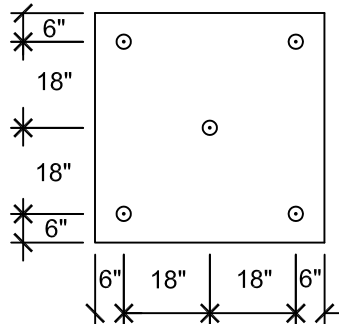
Address:  
Telephone:

Project:

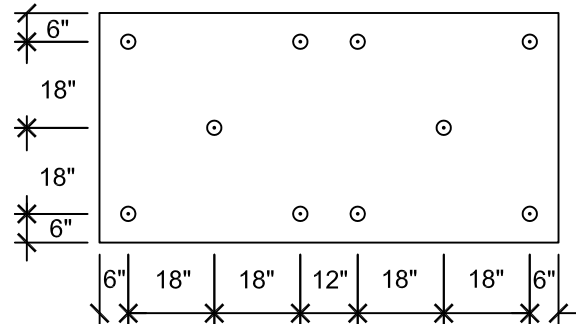
Address:

**FIELD**  
(1 PER 3.2 SQ FT)

**5 PER 4' x 4'**

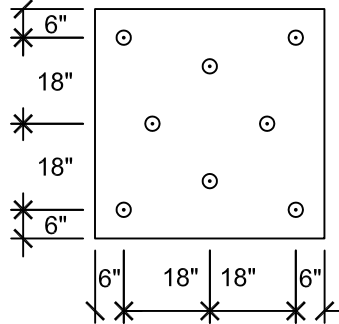


**10 PER 4' x 8'**

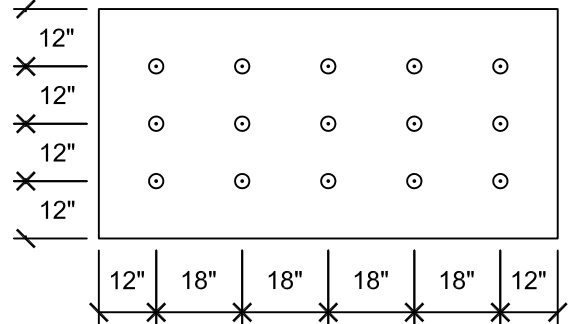


**PERIMETER**  
(ENHANCEMENT)

**8 PER 4' x 4'**

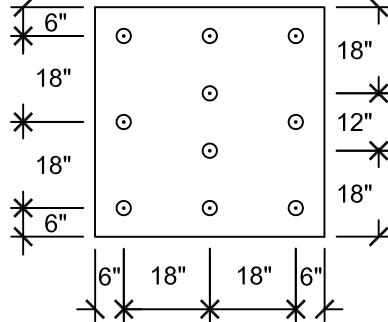


**15 PER 4' x 8'**

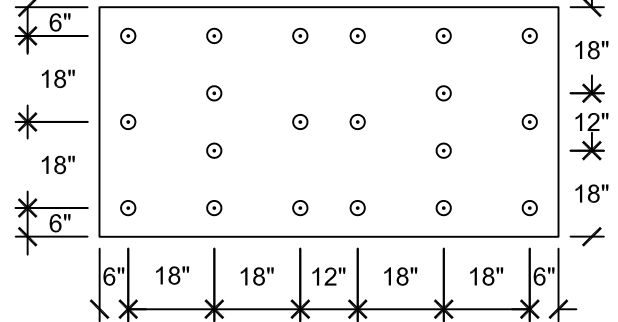


**CORNER**  
(ENHANCEMENT)

**10 PER 4' x 4'**



**20 PER 4' x 8'**



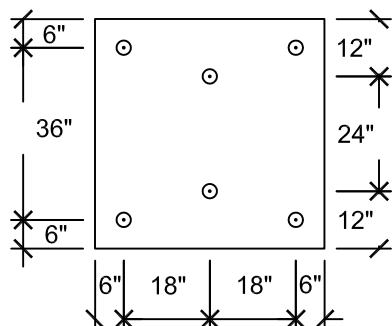
**NOTES:**

- FASTENING PATTERNS ARE PROVIDED AS GUIDELINES FOR FASTENER PLACEMENT FOR MECHANICALLY ATTACHED INSULATION OR COVER BOARD UNDER A FULLY ADHERED MEMBRANE SYSTEM.
- FASTENING PATTERNS SHOWN ABOVE ARE APPROVED BY IB ROOF SYSTEMS FOR USE IN ACCORDANCE WITH OUR CURRENT SPECIFICATIONS AND MEET MINIMUM IB INSTALLATION REQUIREMENTS FOR ISSUANCE OF STANDARD PUBLISHED IB WARRANTIES. BUILDINGS WITH FIELD OF ROOF DESIGN VELOCITY PRESSURES ABOVE -30 PSF, PROJECTS REQUIRING IB WIND RIDERS, LOCAL CODES AND PROJECT DESIGN CRITERIA MAY REQUIRE ADDITIONAL FASTENING.
- AN APPROVED COVER BOARD IS REQUIRED FOR EPS, XPS, & POLYISOCYANURATE INSULATIONS NOT APPROVED BY IB ROOF SYSTEMS.

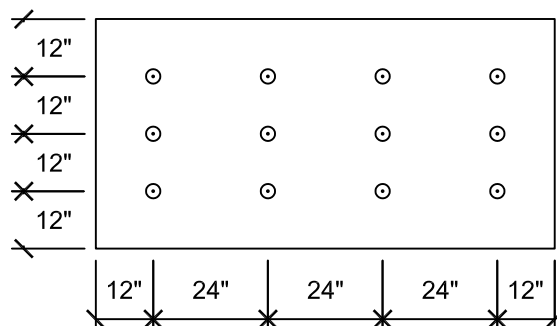
<b>Scale:</b> NTS	<b>Detail Name:</b> <b>1 Per 3.2 Standard Fastening Pattern</b>	<b>Detail Number:</b> <b>FA-AT-20</b>
<b>Submitted By:</b> Address: Telephone:		<b>Project:</b> Address:

**FIELD**  
(1 PER 2.67 SQ FT)

**6 PER 4' x 4'**

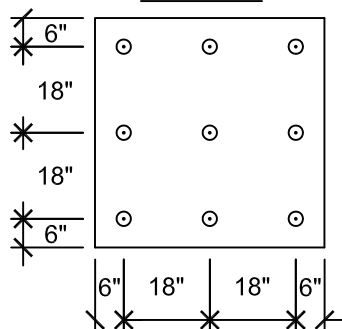


**12 PER 4' x 8'**

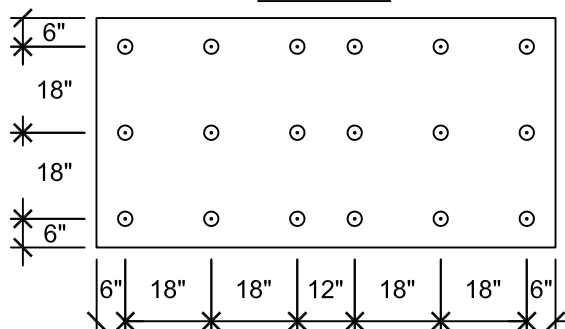


**PERIMETER**  
(**ENHANCEMENT**)

**9 PER 4' x 4'**

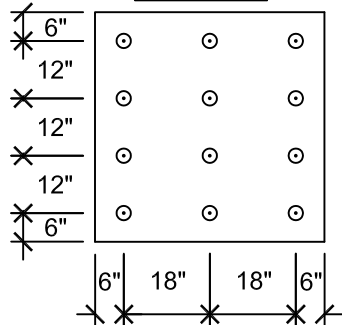


**18 PER 4' x 8'**

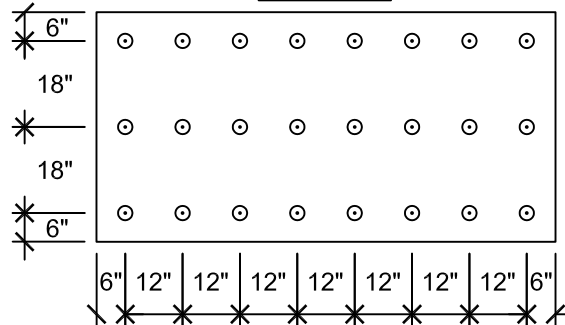


**CORNER**  
(**ENHANCEMENT**)

**12 PER 4' x 4'**



**24 PER 4' x 8'**



**NOTES:**

- FASTENING PATTERNS ARE PROVIDED AS GUIDELINES FOR FASTENER PLACEMENT FOR MECHANICALLY ATTACHED INSULATION OR COVER BOARD UNDER A FULLY ADHERED MEMBRANE SYSTEM.
- FASTENING PATTERNS SHOWN ABOVE ARE APPROVED BY IB ROOF SYSTEMS FOR USE IN ACCORDANCE WITH OUR CURRENT SPECIFICATIONS AND MEET MINIMUM IB INSTALLATION REQUIREMENTS FOR ISSUANCE OF STANDARD PUBLISHED IB WARRANTIES. BUILDINGS WITH FIELD OF ROOF DESIGN VELOCITY PRESSURES ABOVE -30 PSF, PROJECTS REQUIRING IB WIND RIDERS, LOCAL CODES AND PROJECT DESIGN CRITERIA MAY REQUIRE ADDITIONAL FASTENING.
- AN APPROVED COVER BOARD IS REQUIRED FOR EPS, XPS, & POLYISOCYANURATE INSULATIONS NOT APPROVED BY IB ROOF SYSTEMS.

Scale:  
NTS

Detail Name:

**1 Per 2.67 Standard Fastening Pattern**

Detail Number:

**FA-AT-21**

Submitted By:

Address:  
Telephone:

Project:

Address: