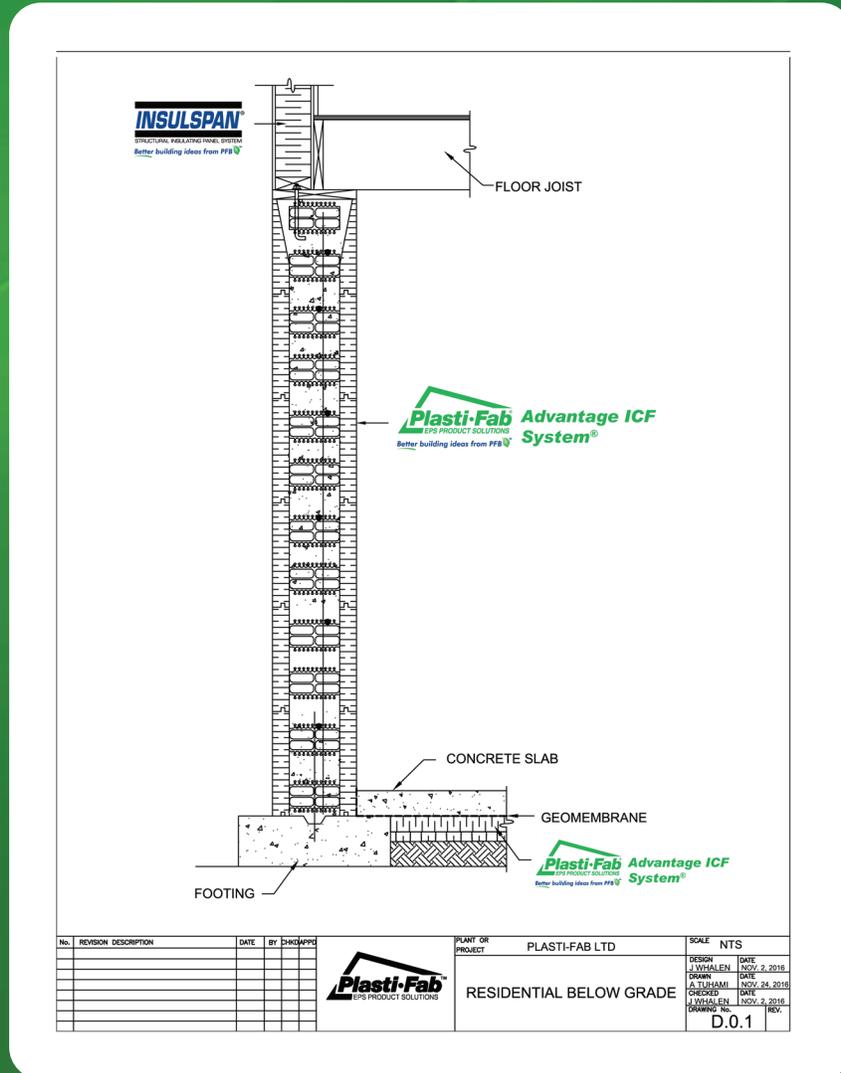




Better building ideas from PFB™

The Advantage ICF System® Installation Detail Drawings



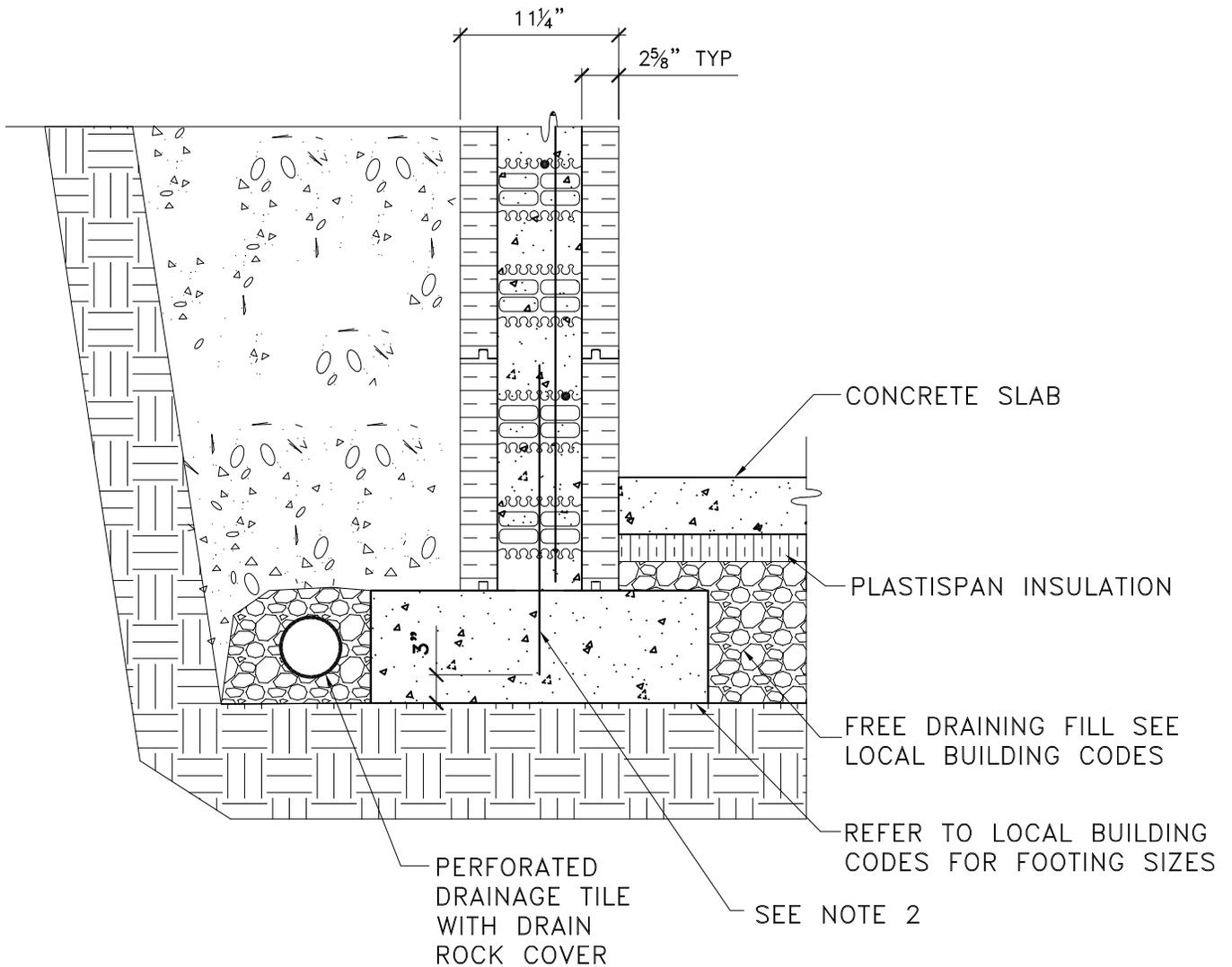
The Advantage ICF System®

Recommendation: Review the Advantage ICF System Installation Videos.

When building with the Advantage ICF System please review your local building code requirements with your local building officials before your permitting stage.

Typical Advantage ICF System Detail Drawings Index

150-mm (6") Advantage ICF Install Detail Drawing Description	Detail	Version	Page
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Floor Ledger with Anchor Bolts	D.2.6	July 2009	2
Floor Joist and Ledger Connectors	D.3.6	July 2009	3
Floor Joist for Wood Stud Main Floor	D.4.6	July 2009	4
Brick Angle Ledge Detail – Top of Wall	D.5.6	July 2009	5
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Beam Pocket Details	D.6.6	July 2009	7
Full Height Column Footings to Underside of Beam	D.7.6	July 2009	8
Opening Detail	D.8.6	July 2009	9
Typical Corner Detail	D.9.6	July 2009	10
Typical "T" Wall Connection	D.10.6	July 2009	11
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SIP Wall Connection with Concrete Slab	D.12.6	July 2009	13
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Floor Joist and Ledger Connectors	D.3.8	July 2009	28
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Typical "T" Wall Connection	D.10.8	July 2009	36
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SIP Wall Connection with Concrete Slab	D.12.8	July 2009	38
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200-mm (8") Advantage ICF Structural Detail Drawing Description			
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Brick Ledge Detail 8" to 8" Walls	S.7.8	July 2009	50
Brick Ledge Detail 8" to 6" Walls	S.7.8A	July 2009	51



NOTES:

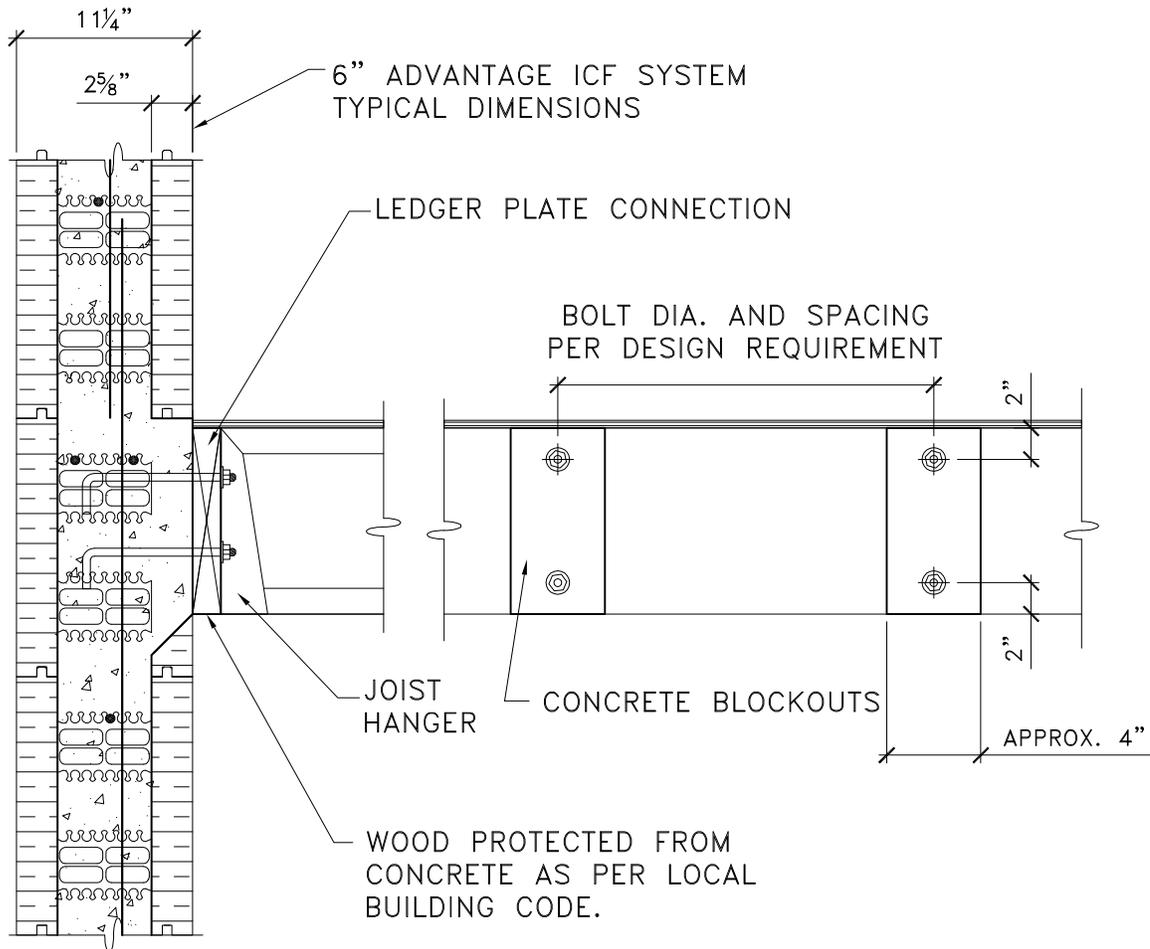
1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
2. DOWEL FROM FOOTING TO MATCH SIZE OF VERTICAL REBAR AT A MAXIMUM SPACING OF 24" O.C. WITH MINIMUM 8" TOTAL EMBEDMENT INTO FOOTING AND 3" COVER THICKNESS OR AS PER LOCAL CODE. IF FOOTING IS LESS THAN 11" THICK, USE "L" SHAPE DOWEL.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM	SCALE	NTS
DESIGN	G DOREN	DATE	JULY, 09
DRAWN	L XIE	DATE	JULY, 09
CHECKED	J WHALEN	DATE	JULY, 09
DRAWING No.	D.1.6	REV.	

WALL TO FOOTING CONNECTION DETAIL



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



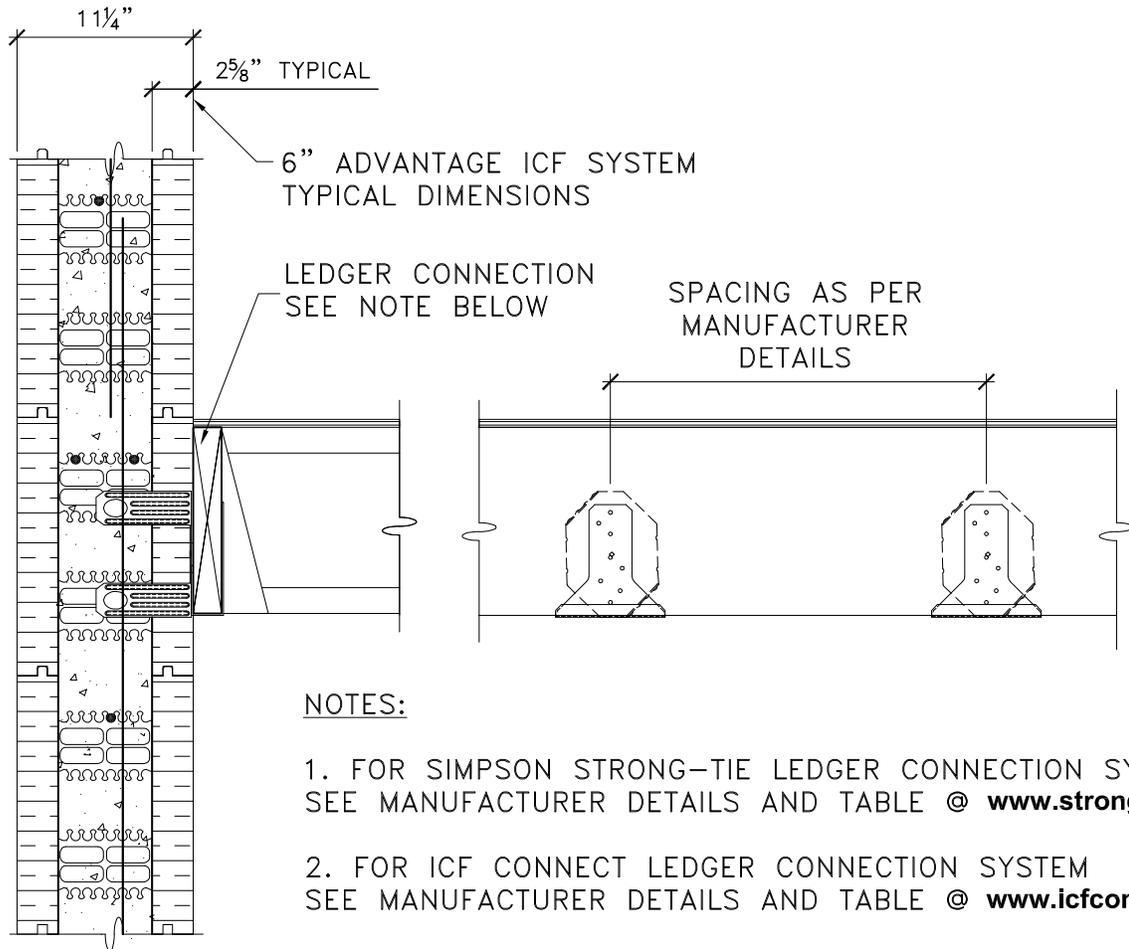
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

**FLOOR LEDGER
 WITH ANCHOR
 BOLTS**

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.2.6



No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD

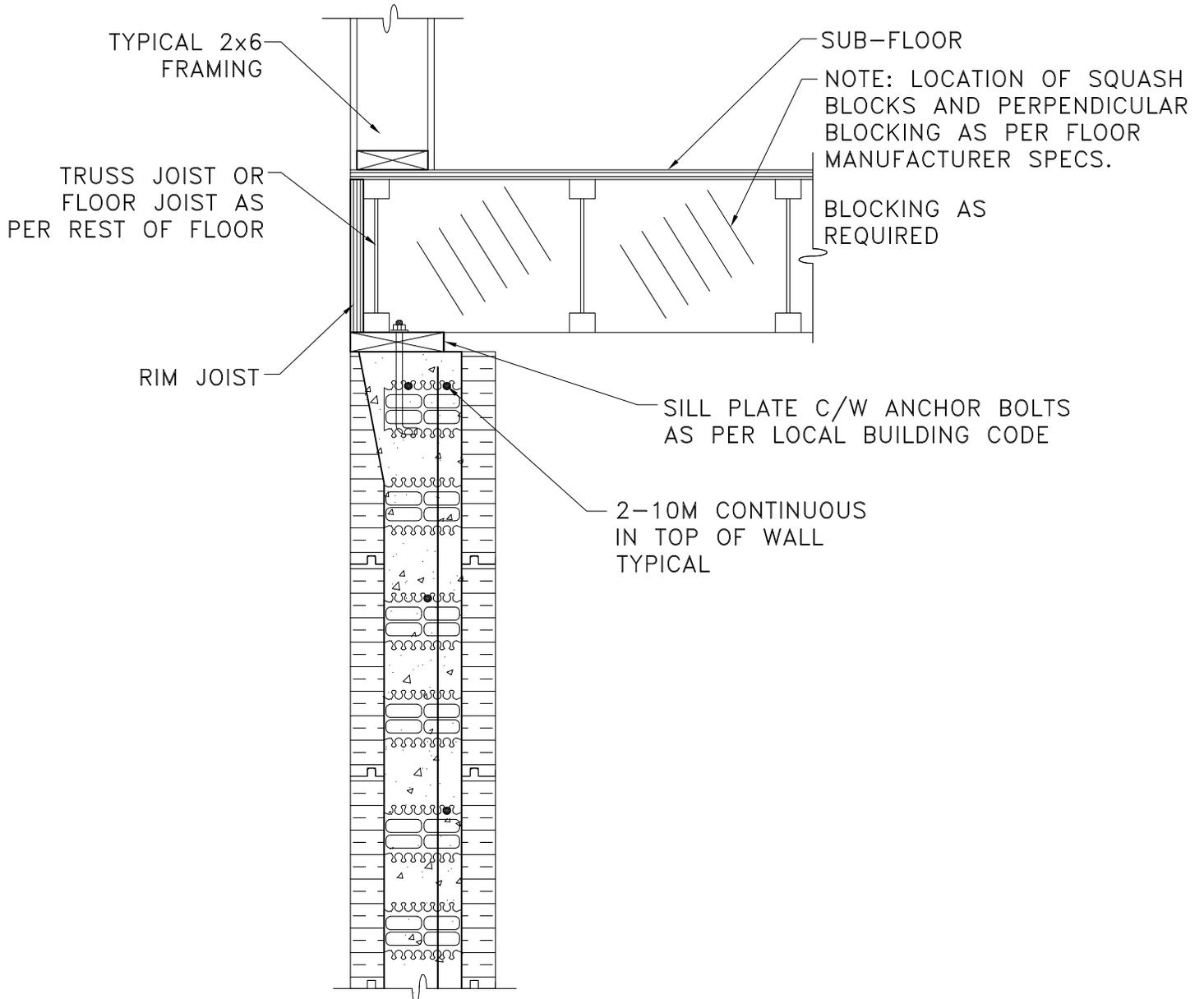


PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

SCALE NTS

FLOOR JOIST AND
LEDGER
CONNECTORS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.
D.3.6	



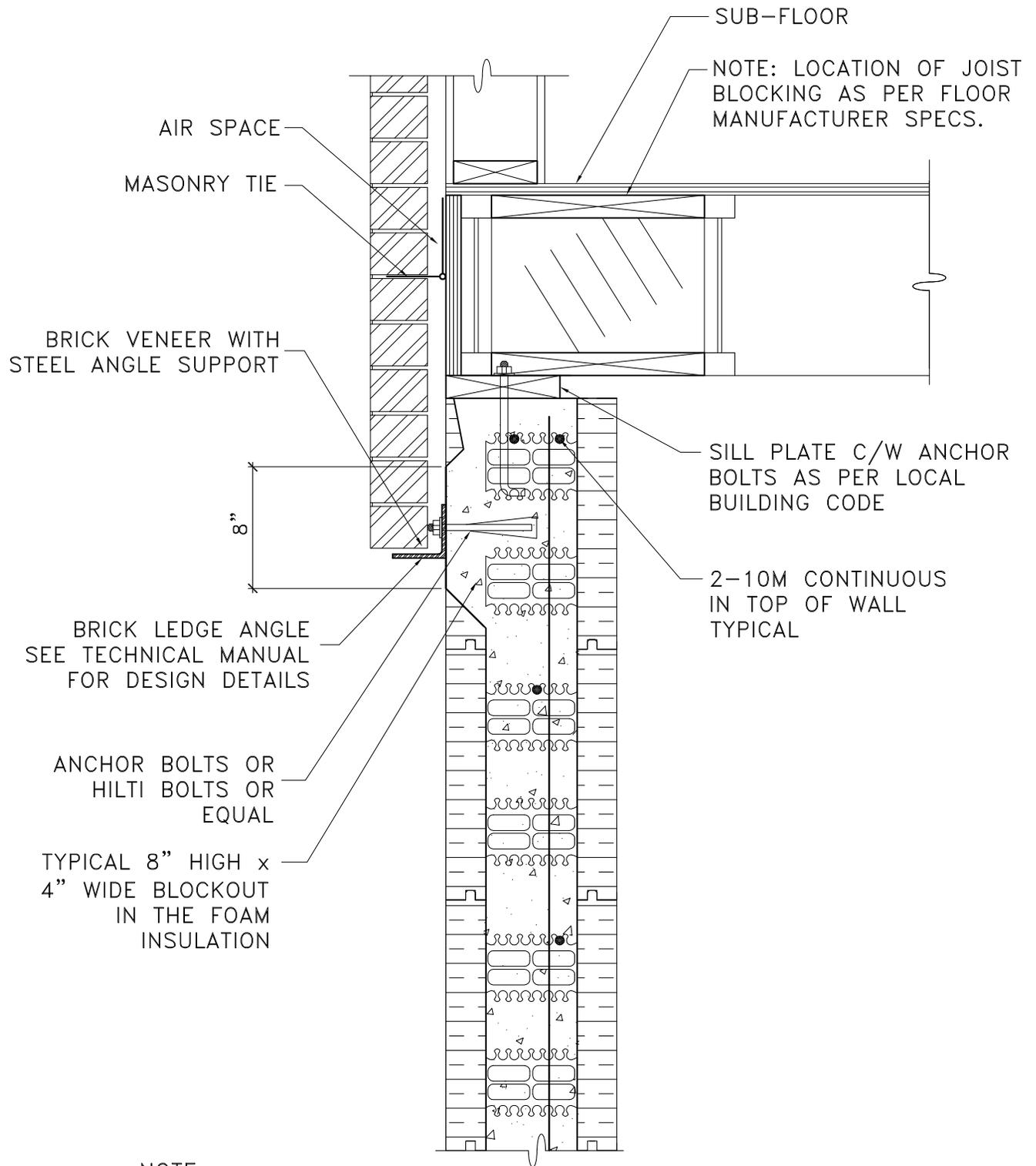
NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS	
	DESIGN	DATE			
	G DOREN	JULY, 09			
	DRAWN	DATE			
	L XIE	JULY, 09			
	CHECKED	DATE			
	J WHALEN	JULY, 09			
	DRAWING No.	REV.			
	D.4.6				

**FLOOR JOIST FOR
 WOOD STUD MAIN
 FLOOR**



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



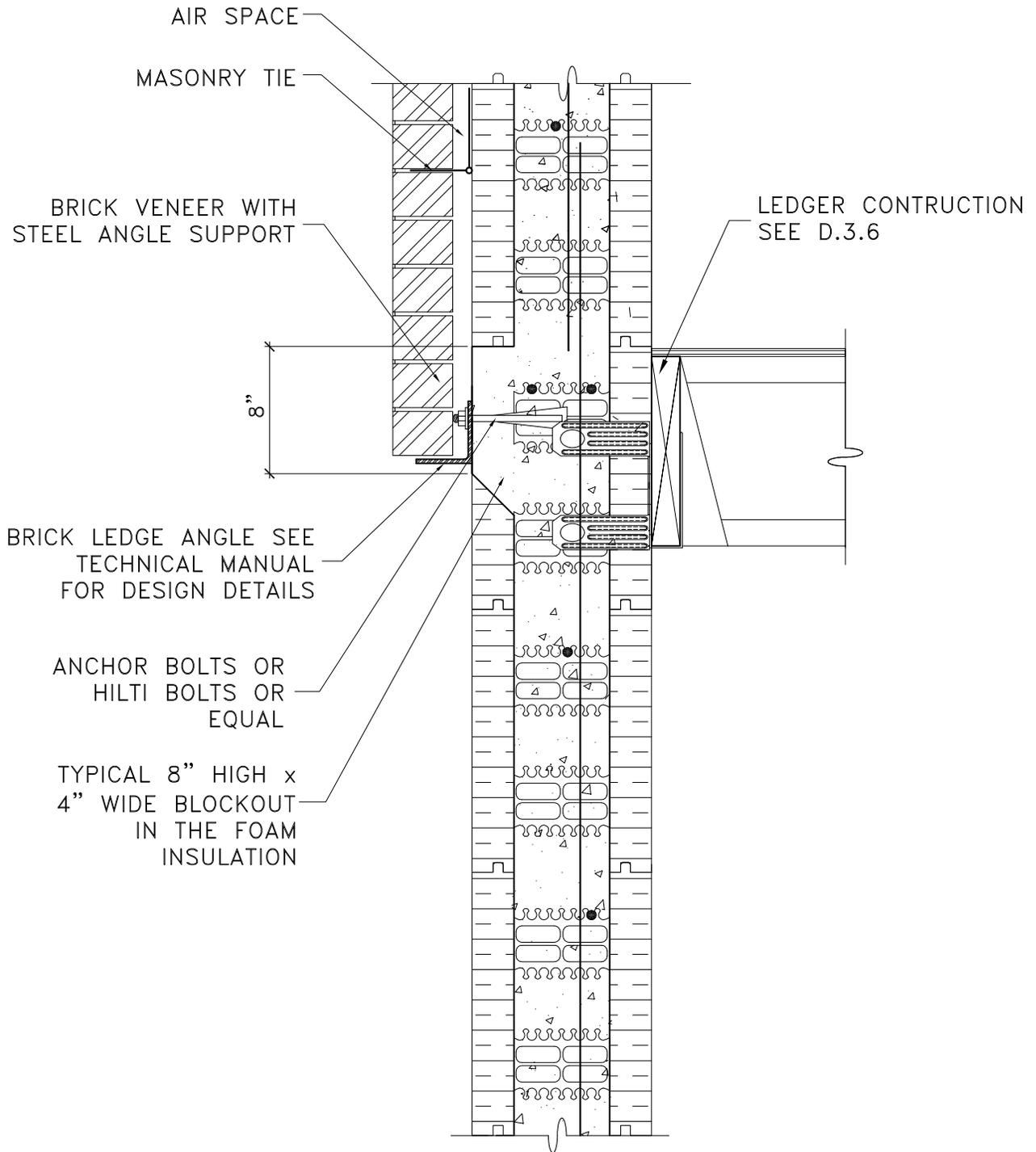
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

**BRICK ANGLE LEDGE
 DETAIL - TOP OF WALL**

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.5.6



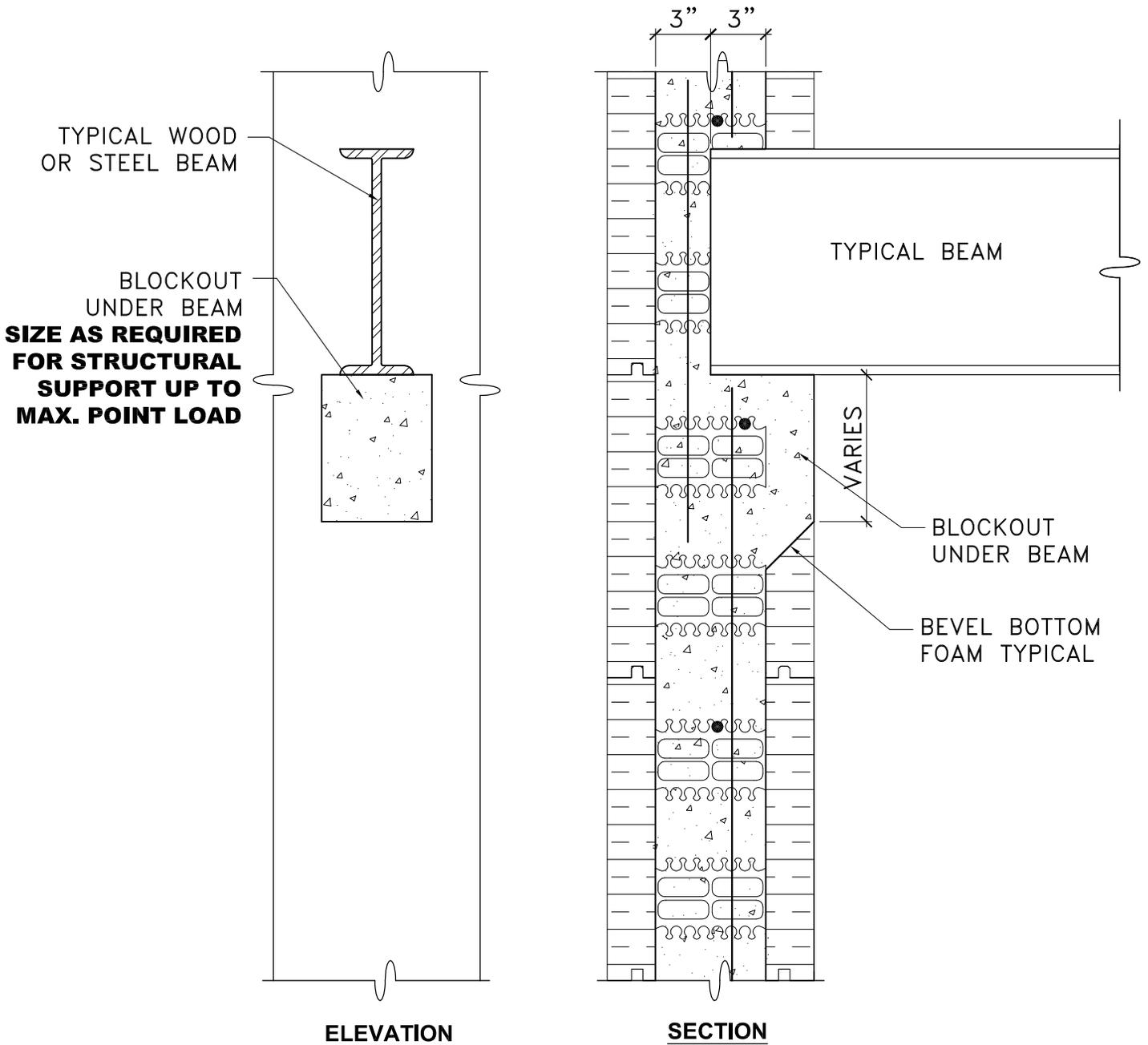
NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS
DESIGN	G DOREN	DATE	JULY, 09	
DRAWN	L XIE	DATE	JULY, 09	
CHECKED	J WHALEN	DATE	JULY, 09	
DRAWING No.	D.5.6A		REV.	

**BRICK ANGLE LEDGE
 DETAIL - INTERMEDIATE
 HEIGHT**



NOTE:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
2. WOOD BEAMS MAY NEED TO BE PROTECTED SEE LOCAL BUILDING CODE OR FLOOR MANUFACTURER'S SPECIFICATIONS.
3. ENGINEER TO CONFIRM BEARING CAPACITY REQUIRED FOR SPECIFIC BEAMS.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

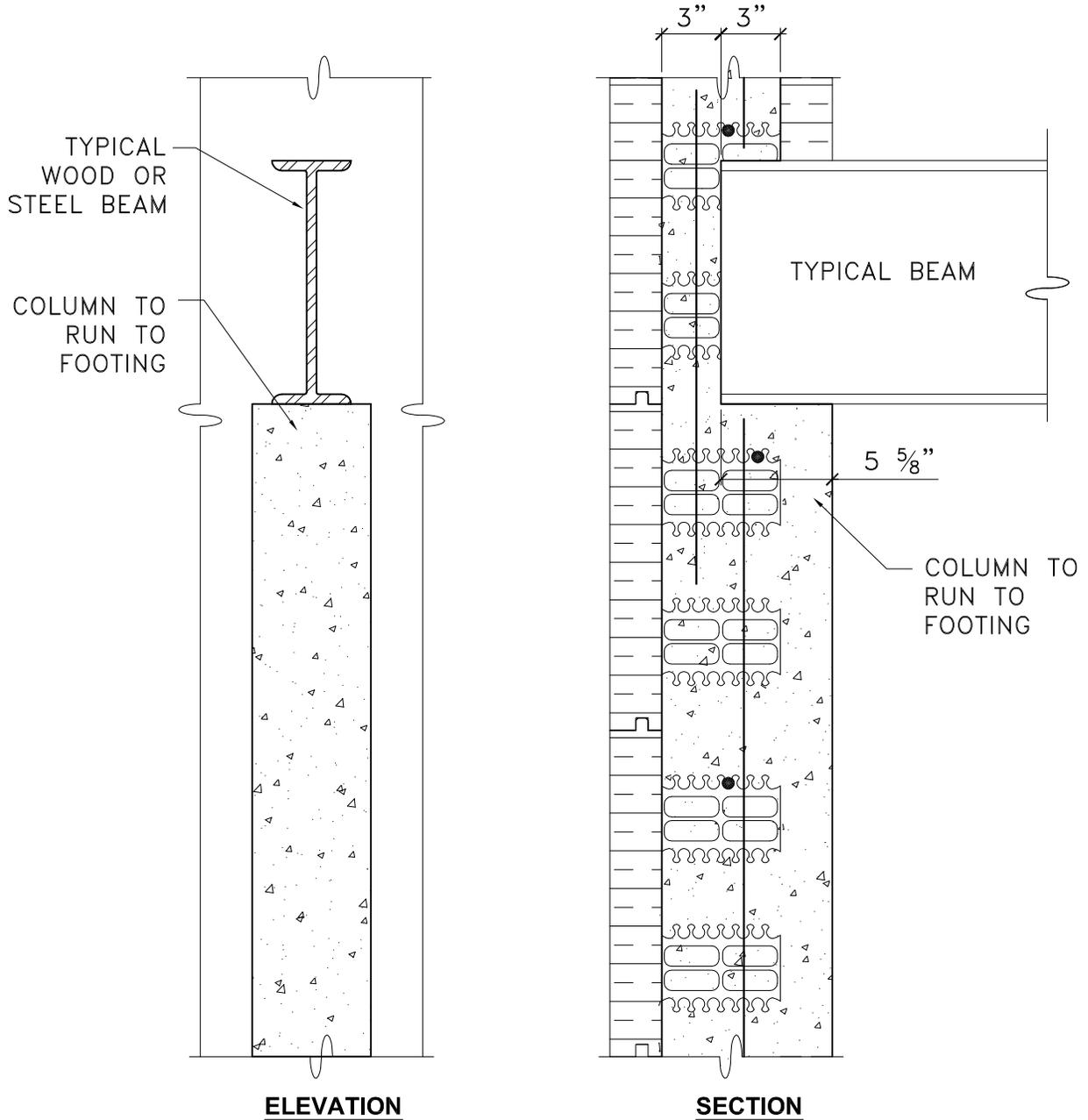
BEAM POCKET DETAILS

SCALE NTS

DESIGN G DOREN	DATE JULY, 08
DRAWN L XIE	DATE JULY, 08
CHECKED J WHALEN	DATE JULY, 08
DRAWING No.	REV.

D.6.6

NOTE:
COLUMN DIMENSIONS AS REQUIRED BY ENGINEER



- NOTE:**
1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
 2. WOOD BEAMS MAY NEED TO BE PROTECTED SEE LOCAL BUILDING CODE OR FLOOR MANUFACTURER'S SPECIFICATIONS.
 3. ENGINEER TO CONFIRM BEARING CAPACITY REQUIRED FOR SPECIFIC BEAMS.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



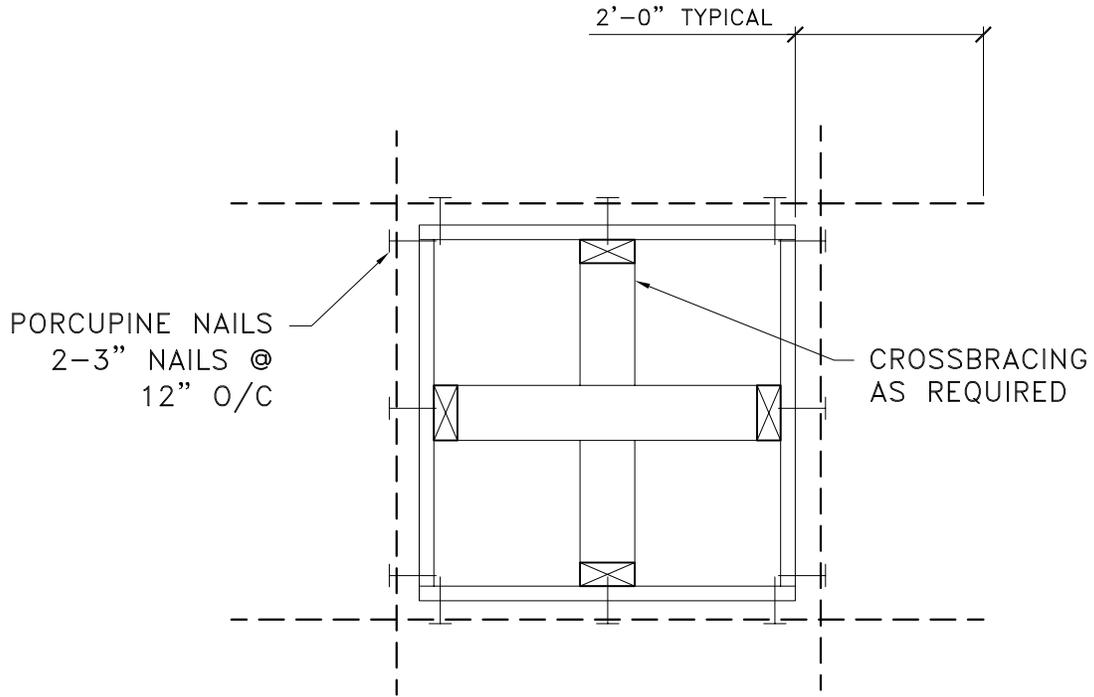
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

**FULL HEIGHT COLUMN
FOOTINGS TO
UNDERSIDE OF BEAM**

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.7.6



NOTES:

1. WRAP BUCK TO ENSURE WOOD IS NOT IN DIRECT CONTACT WITH CONCRETE.
2. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL
3. SEE TECHNICAL MANUAL FOR REINFORCING.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



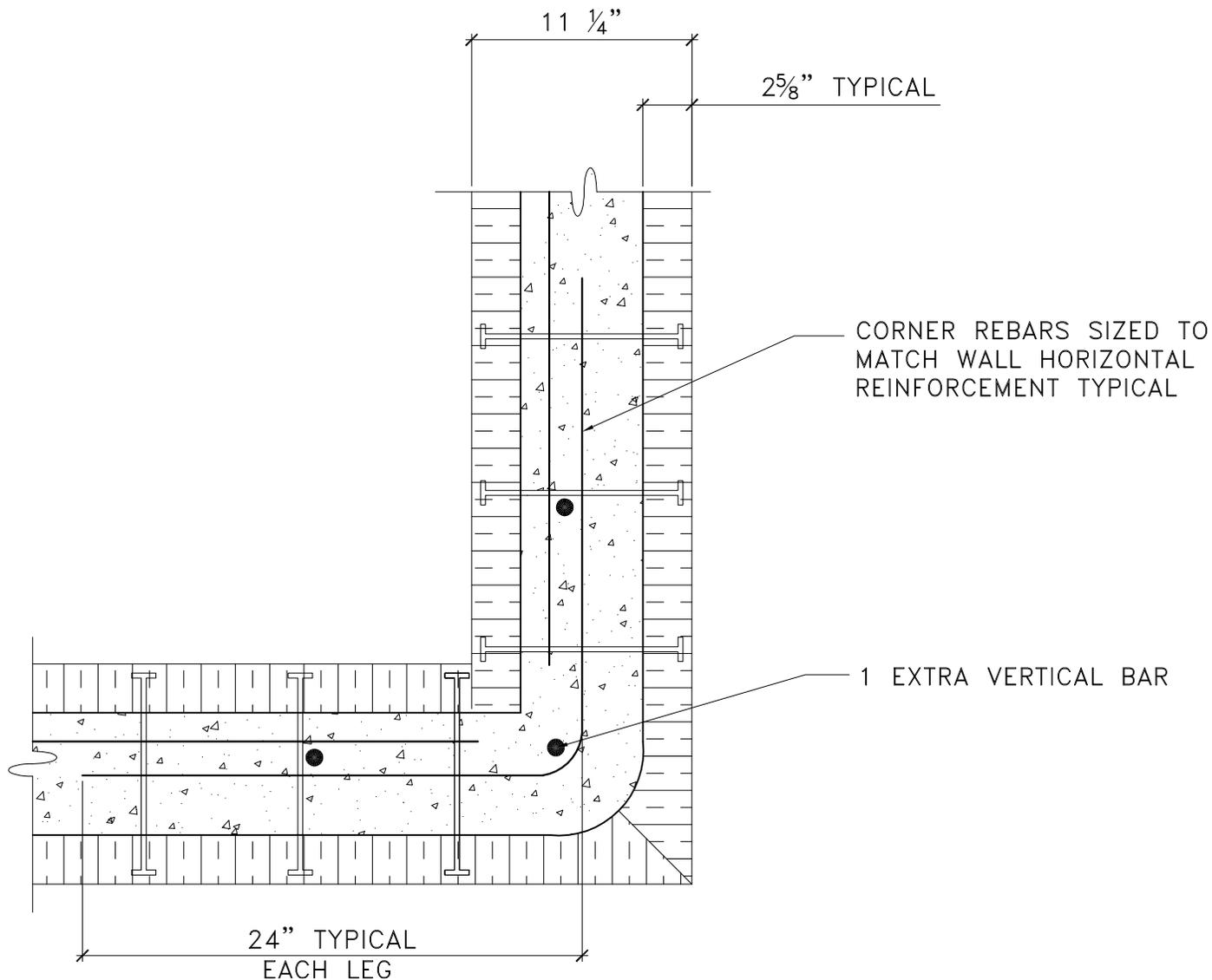
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

OPENING DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.8.6



NOTES:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
2. REBAR OVERLAP TO BE 450 MM (18") FOR 10M AND 650 MM (26") FOR 15M.
3. MULTI STRAPS INSTALLED PRIOR TO POUR AS PER INSTALLATION MANUAL.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



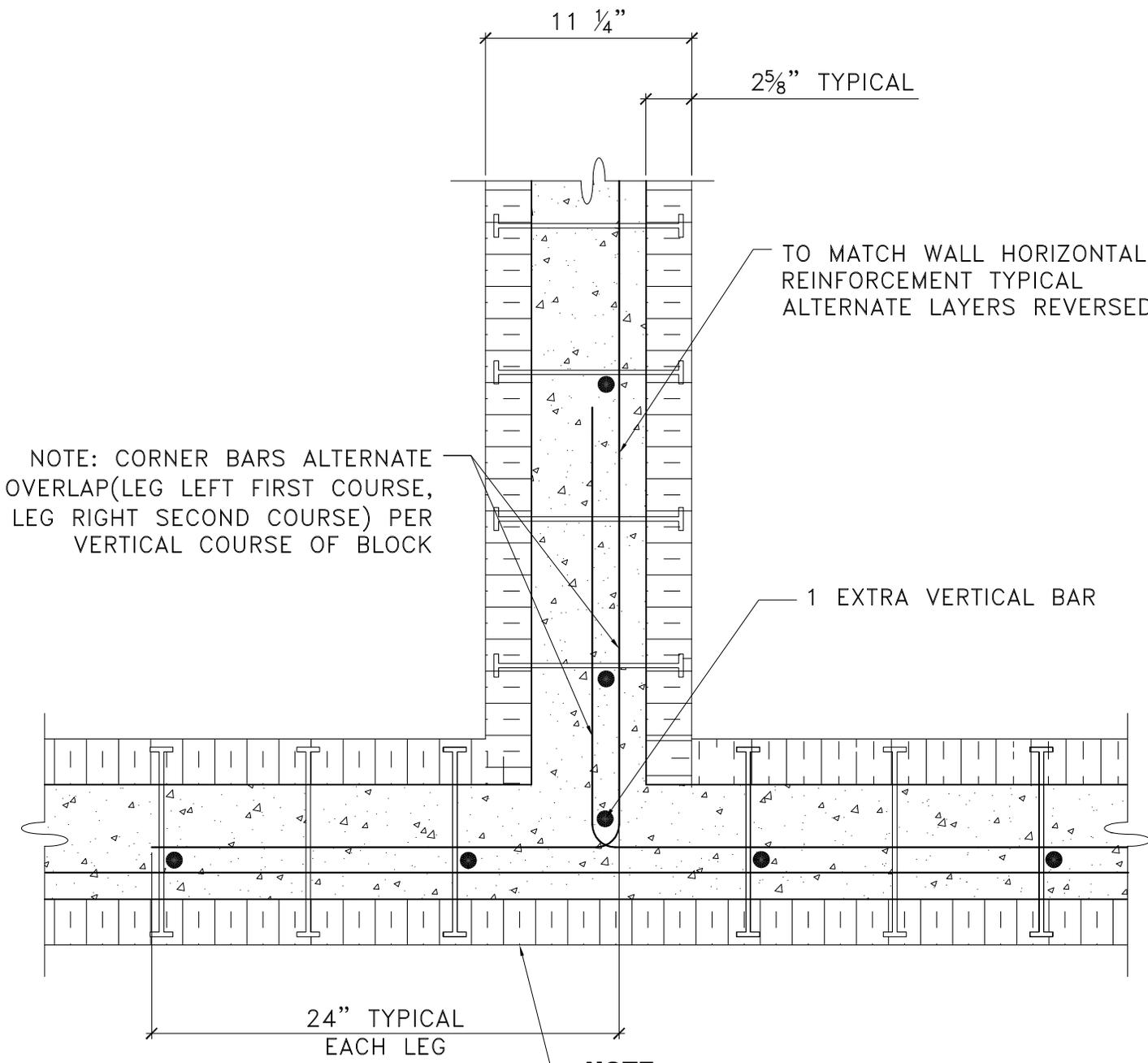
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

TYPICAL CORNER DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.9.6



NOTE: CORNER BARS ALTERNATE OVERLAP (LEG LEFT FIRST COURSE, LEG RIGHT SECOND COURSE) PER VERTICAL COURSE OF BLOCK

TO MATCH WALL HORIZONTAL REINFORCEMENT TYPICAL ALTERNATE LAYERS REVERSED

1 EXTRA VERTICAL BAR

24" TYPICAL EACH LEG

NOTE:
TEES REQUIRE EXTRA BRACING ON BACK AND INSIDE CORNERS DURING CONCRETE POUR SEE INSTALLATION MANUAL

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

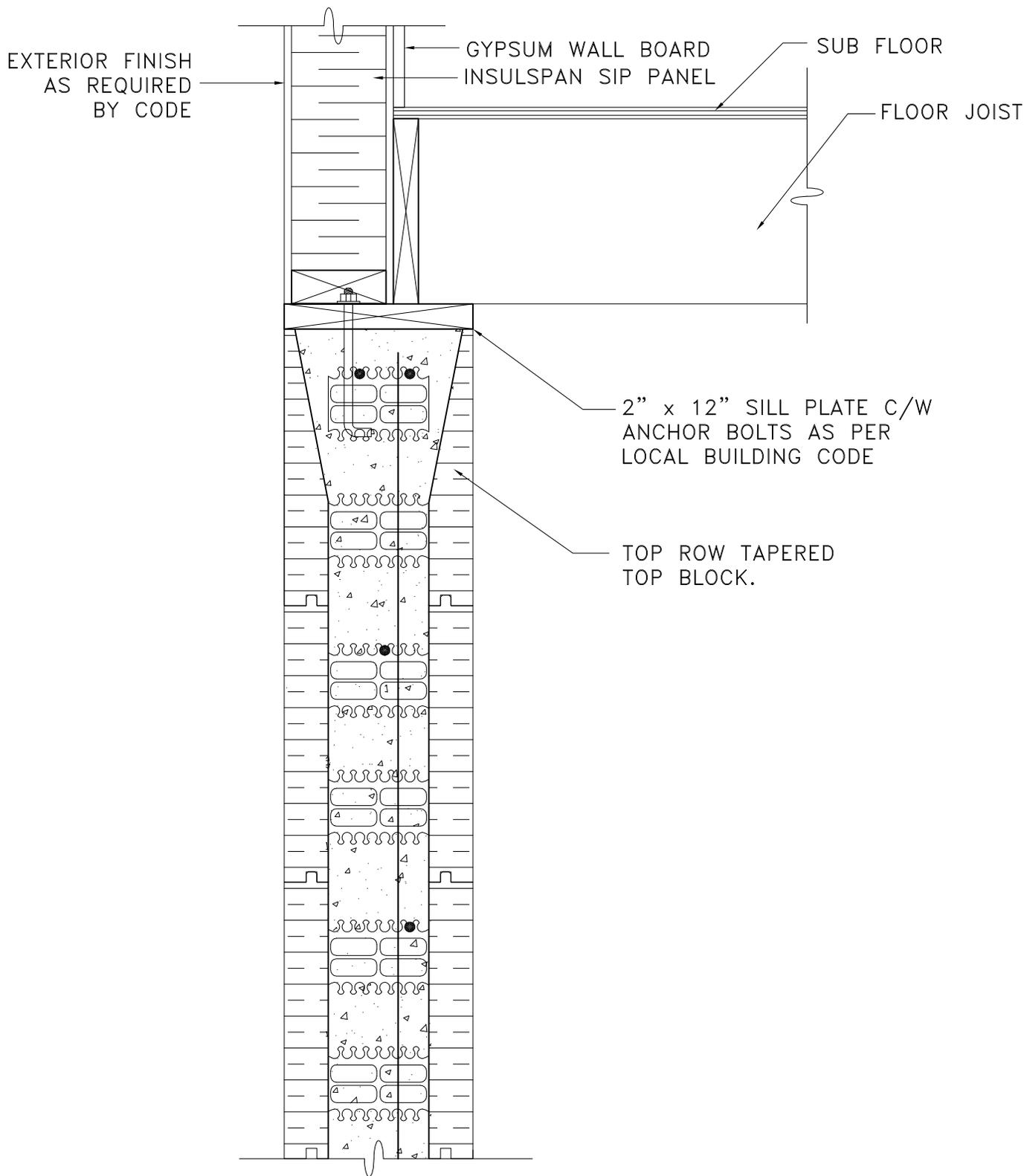
No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

TYPICAL "T" INTERSECTION

SCALE		NTS	
DESIGN	G DOREN	DATE	JULY, 09
DRAWN	L XIE	DATE	JULY, 09
CHECKED	J WHALEN	DATE	JULY, 09
DRAWING No.	D.10.6		
REV.			



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



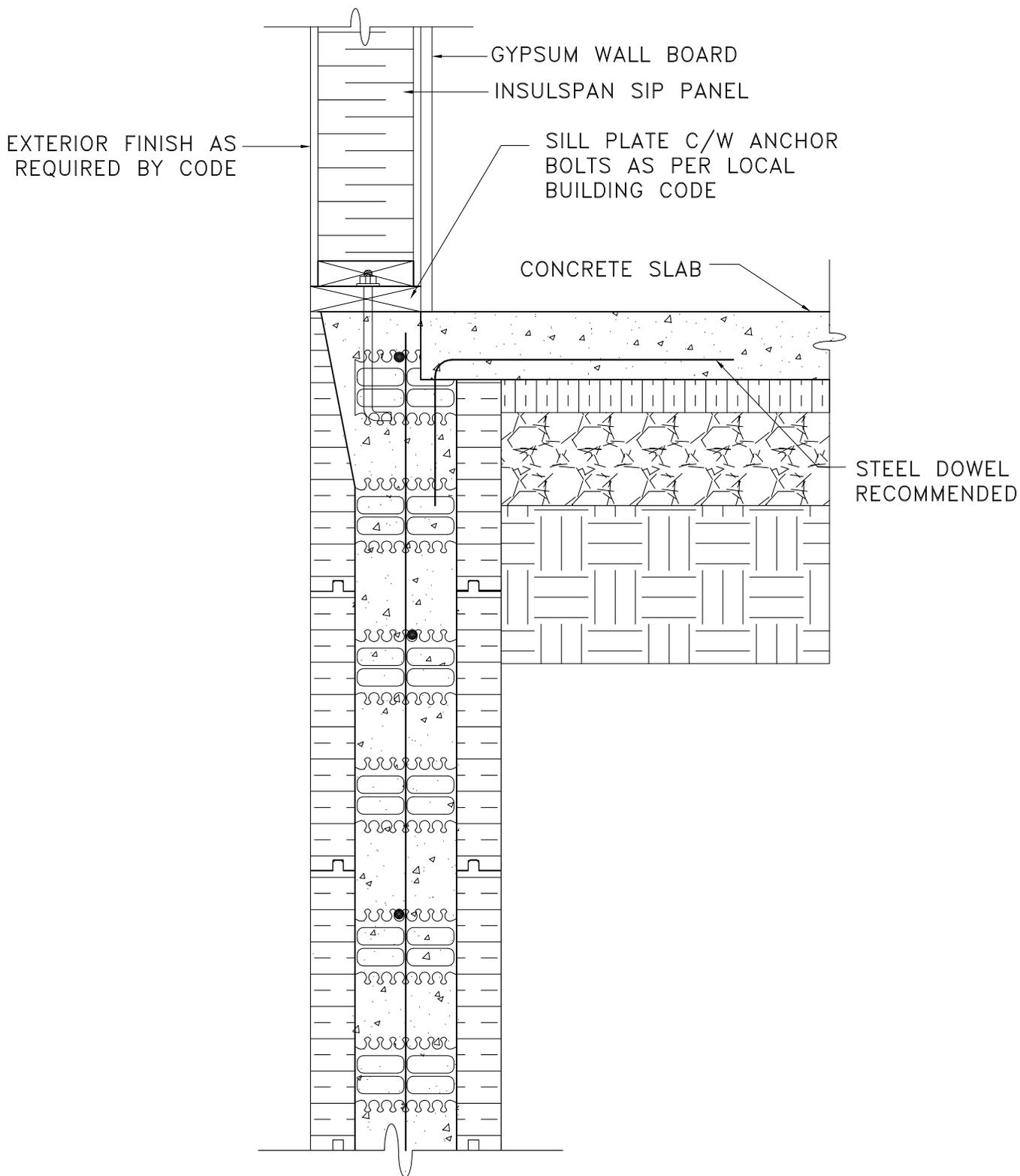
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

SIP WALL CONNECTION

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.11.6



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



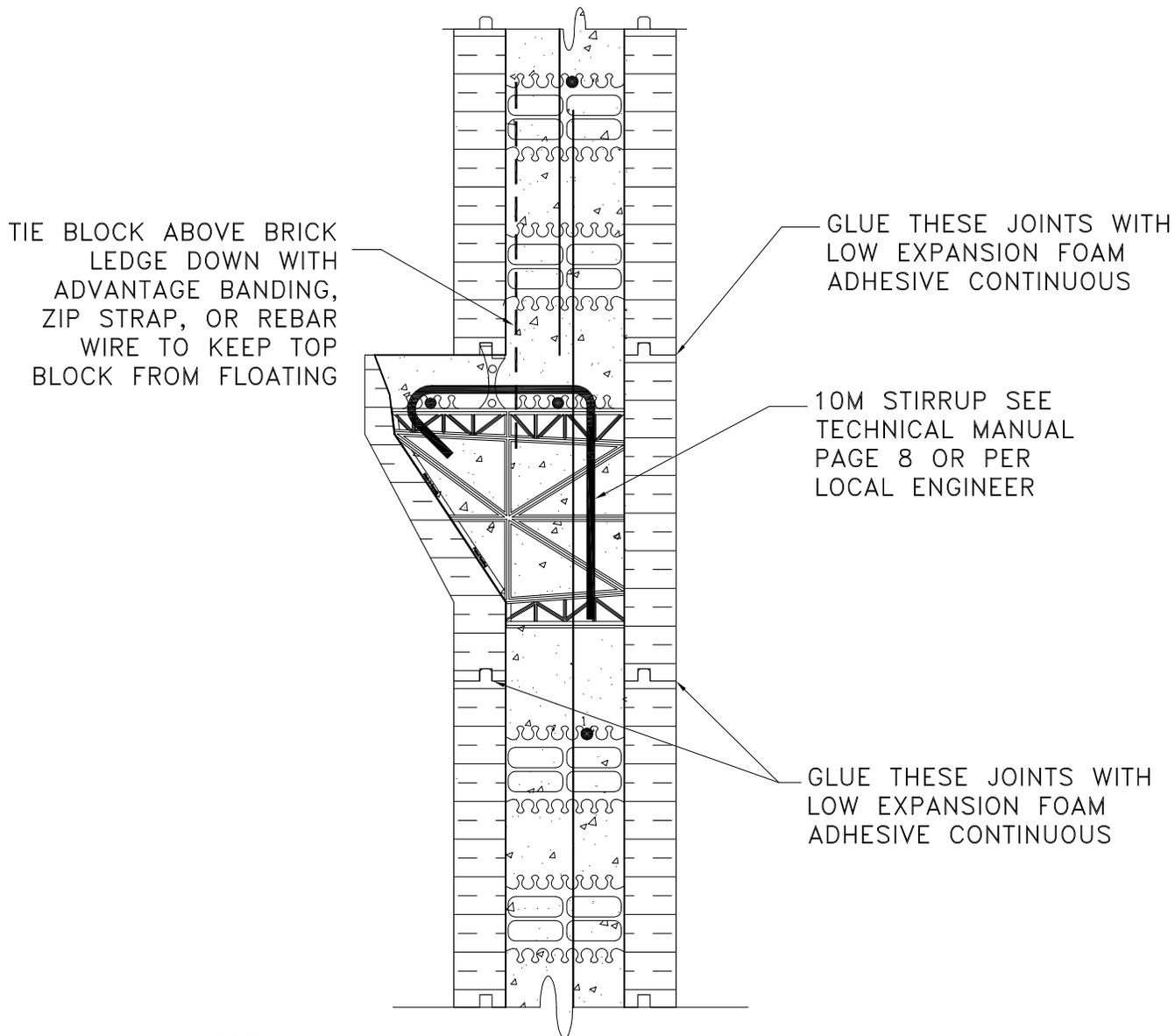
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

SIP WALL CONNECTION WITH CONCRETE SLAB

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.12.6



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT **6" ADVANTAGE ICF SYSTEM**

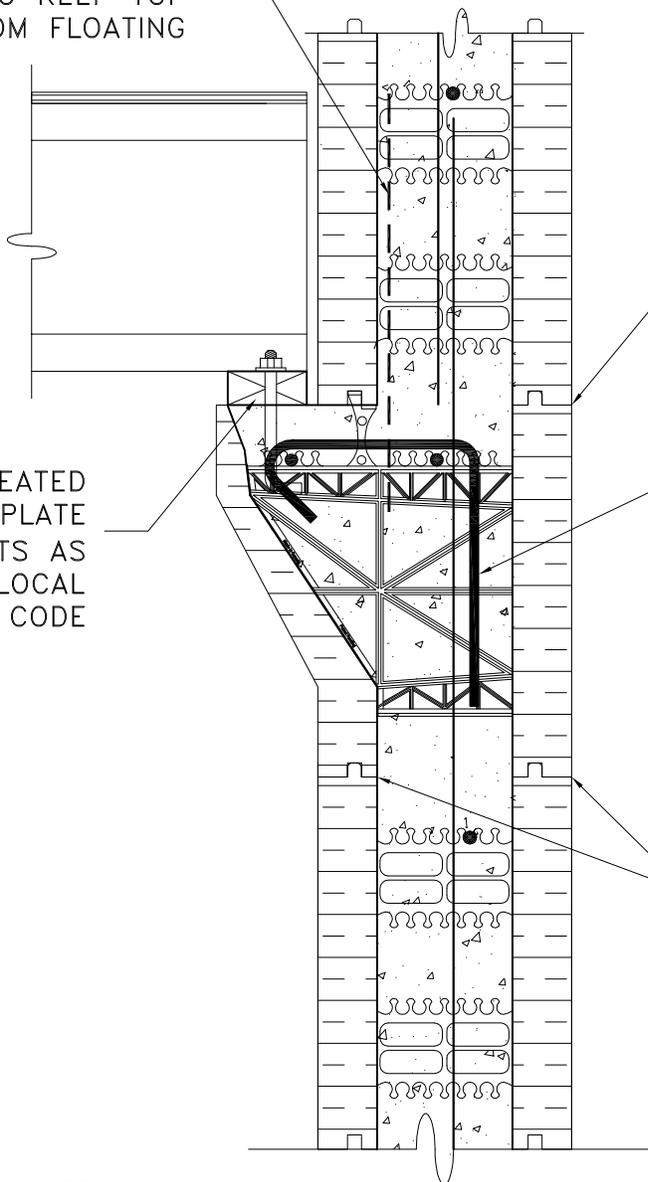
BRICK LEDGE DETAIL

SCALE **NTS**

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.13.6

TIE BLOCK ABOVE BRICK
LEDGE DOWN WITH
ADVANTAGE BANDING,
ZIP STRAP, OR REBAR
WIRE TO KEEP TOP
BLOCK FROM FLOATING



GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

10M STIRRUP SEE
TECHNICAL MANUAL
PAGE 8 OR PER
LOCAL ENGINEER

GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

2x4 TREATED
LEDGE PLATE
C/W BOLTS AS
PER LOCAL
BUILDING CODE

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



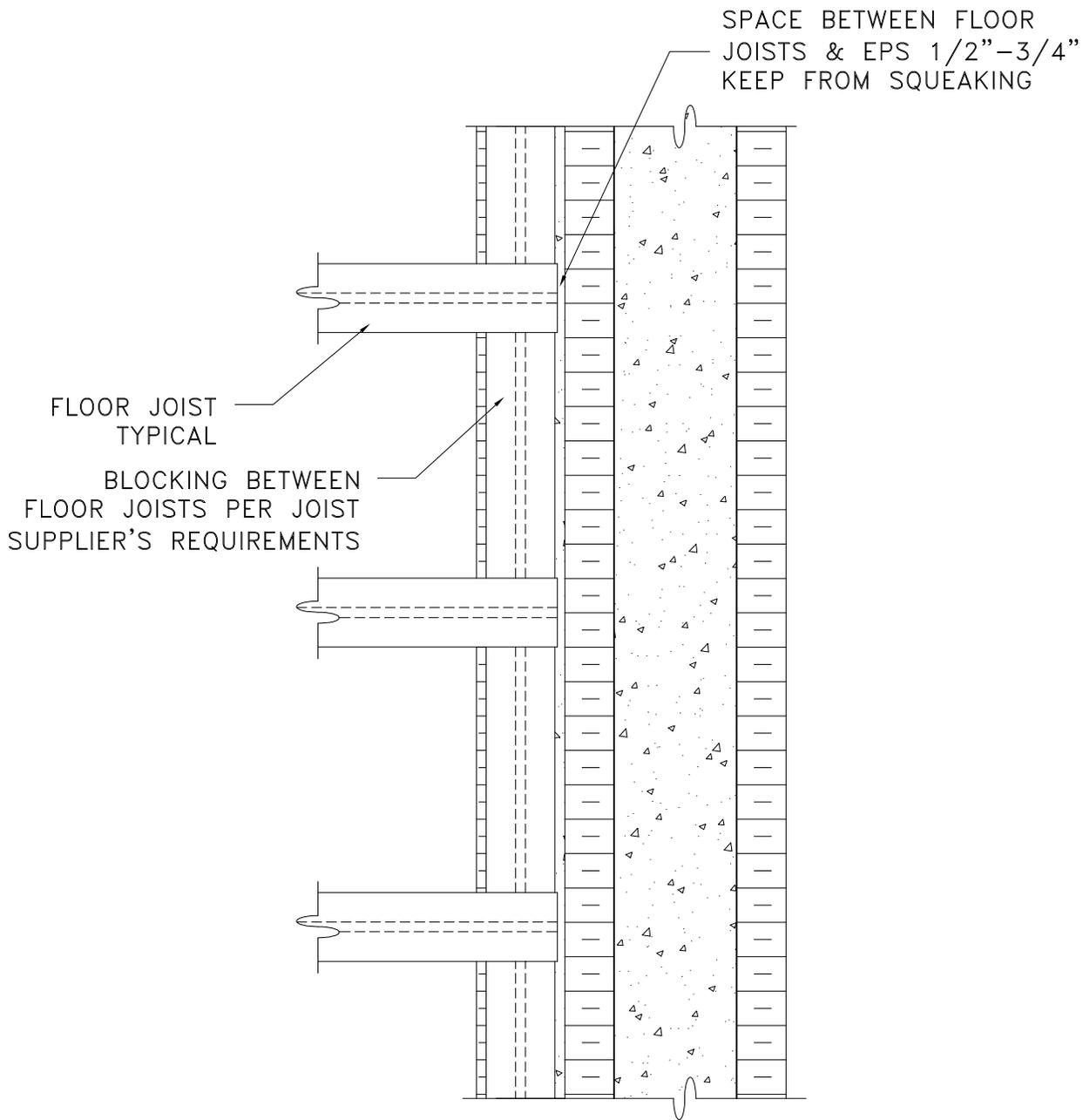
PLANT OR PROJECT **6" ADVANTAGE ICF SYSTEM**

FLOOR LEDGE DETAIL

SCALE **NTS**

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.14.6



NOTE:
FOR USE WITH DETAIL D.14.6

NOTE:
FASTEN FLOOR JOISTS TO 2x SILL PLATE AS PER LOCAL BUILDING CODE REQUIREMENTS

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

**FLOOR LEDGE DETAIL
PLAN VIEW**

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.14.6A

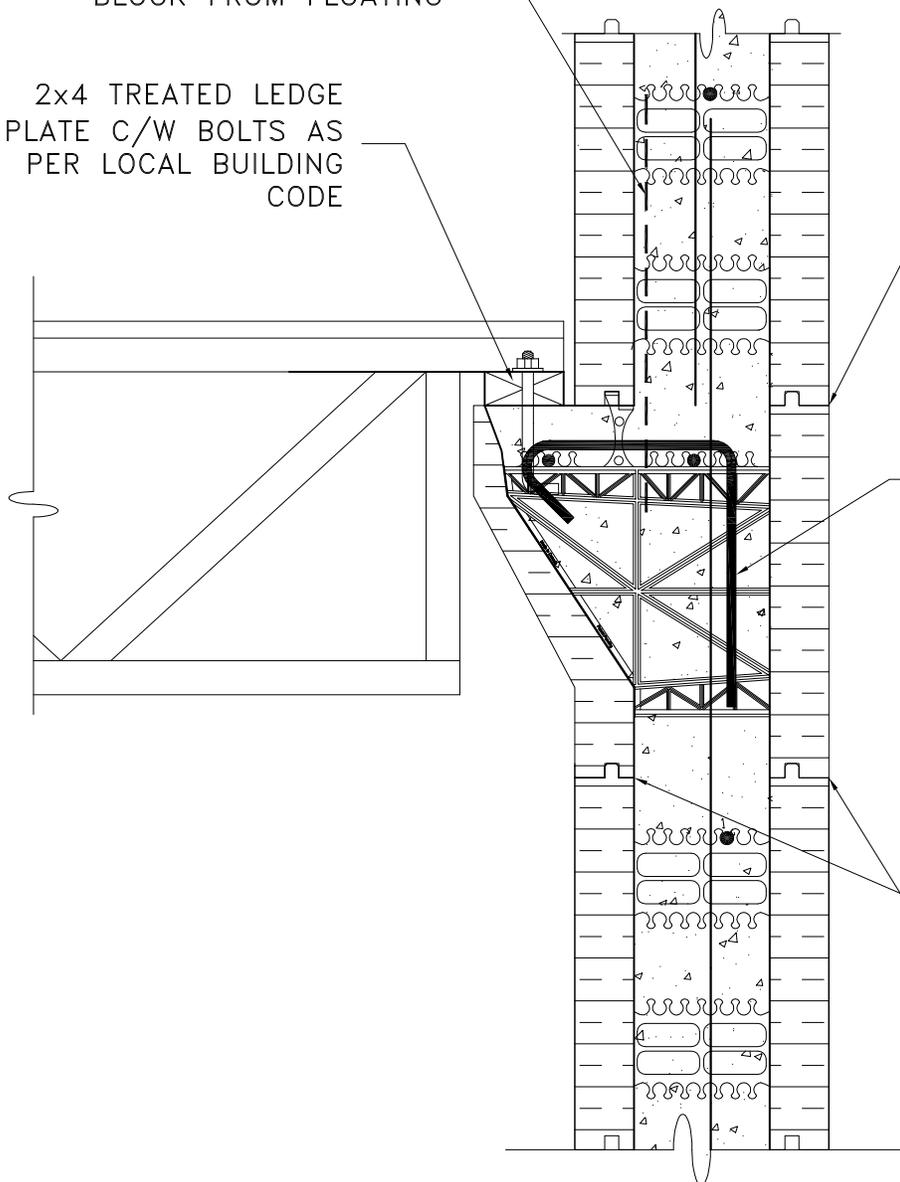
TIE BLOCK ABOVE BRICK
LEGE DOWN WITH ADVANTAGE
BANDING, ZIP STRAP, OR
REBAR WIRE TO KEEP TOP
BLOCK FROM FLOATING

2x4 TREATED LEDGE
PLATE C/W BOLTS AS
PER LOCAL BUILDING
CODE

GLUE THESE JOINTS
WITH LOW EXPANSION
FOAM ADHESIVE
CONTINUOUS

10M STIRRUP SEE
TECHNICAL MANUAL
PAGE 8 OR PER
LOCAL ENGINEER

GLUE THESE JOINTS
WITH LOW EXPANSION
FOAM ADHESIVE
CONTINUOUS



NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



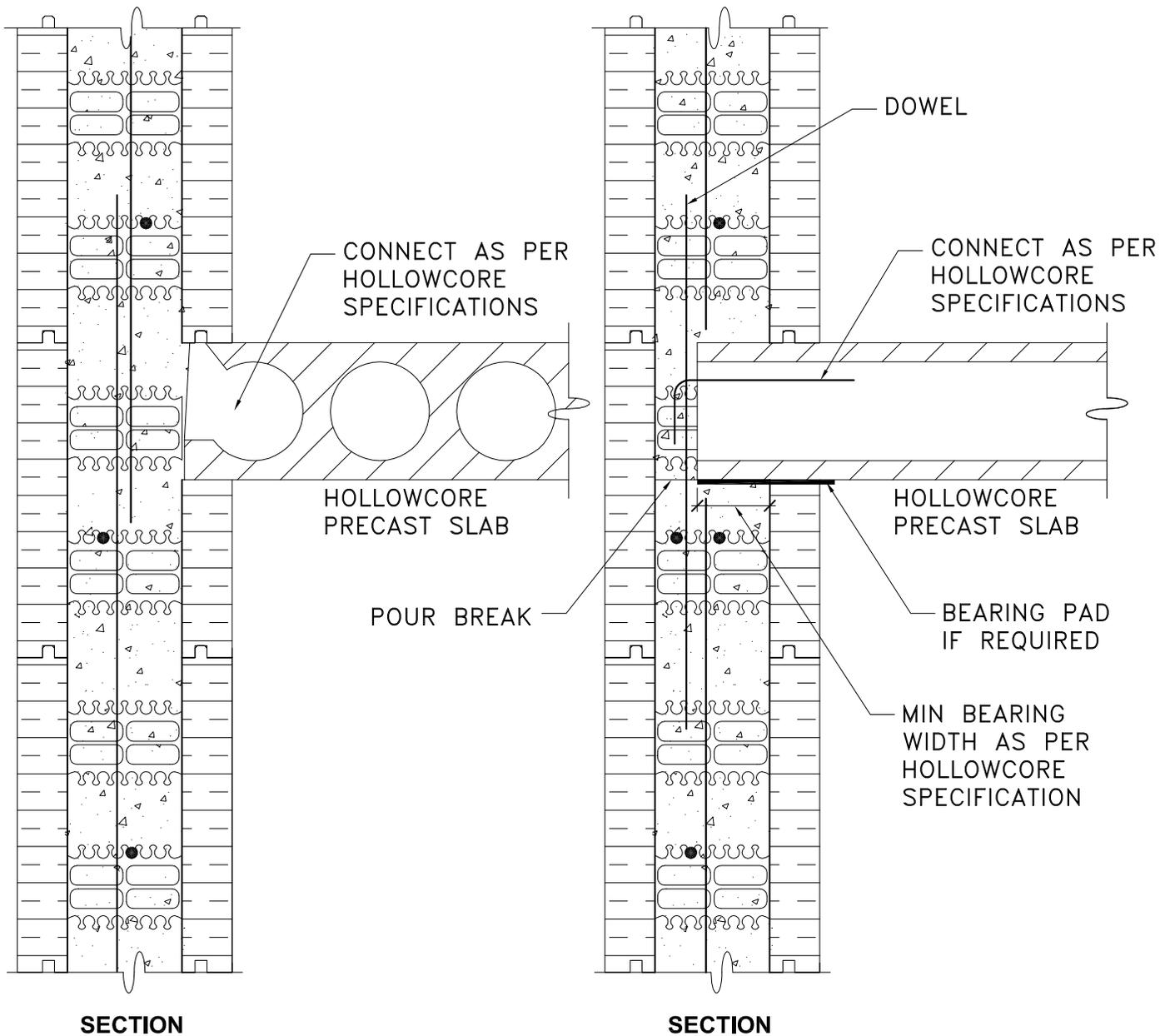
PLANT OR PROJECT **6" ADVANTAGE ICF SYSTEM**

**FLOOR TRUSS
LEGE DETAIL**

SCALE **NTS**

DESIGN G DOREN	DATE OCT, 09
DRAWN L XIE	DATE OCT, 09
CHECKED J WHALEN	DATE OCT, 09
DRAWING No.	REV.

D.14.6B

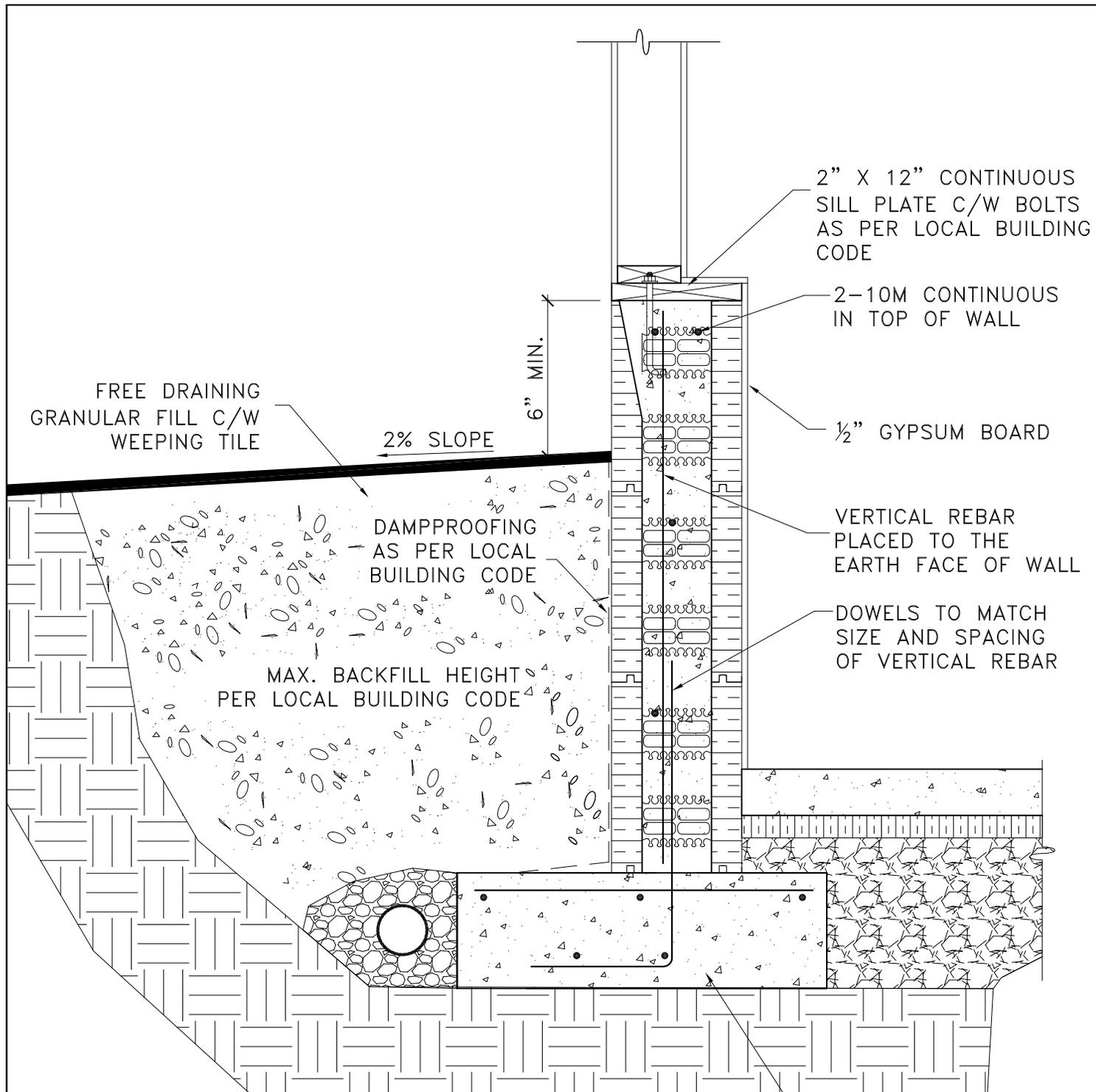


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF
 SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS	
PRECAST CONCRETE FLOOR DETAIL	DESIGN	G DOREN	DATE	JULY, 09	
	DRAWN	L XIE	DATE	JULY, 09	
	CHECKED	J WHALEN	DATE	JULY, 09	
	DRAWING No.	D.15.6			REV.



NOTES:

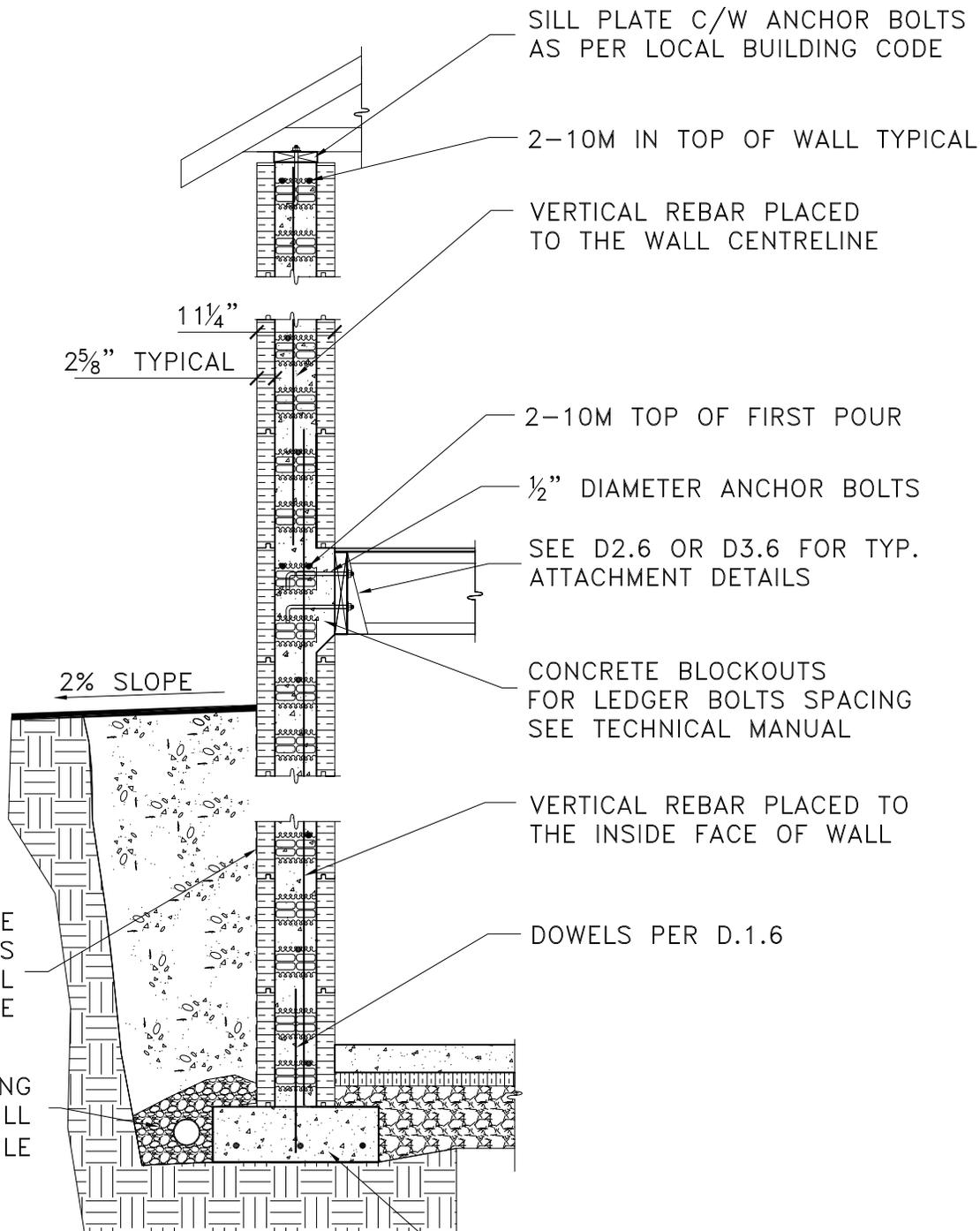
- 1. ENSURE APPROPRIATE FROST COVER.**
- 2. THIS IS A Laterally UNSUPPORTED WALL. REFER TO LOCAL BUILDING CODES.**
- 3. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 4. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

REFER TO LOCAL BUILDING CODES FOR FOOTING SIZES

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS		
KNEE OR PONY WALL			DESIGN	G DOREN	DATE	JULY, 09
			DRAWN	L XIE	DATE	JULY, 09
			CHECKED	J WHALEN	DATE	JULY, 09
			DRAWING No.	S.1.6		REV.



NOTES:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.

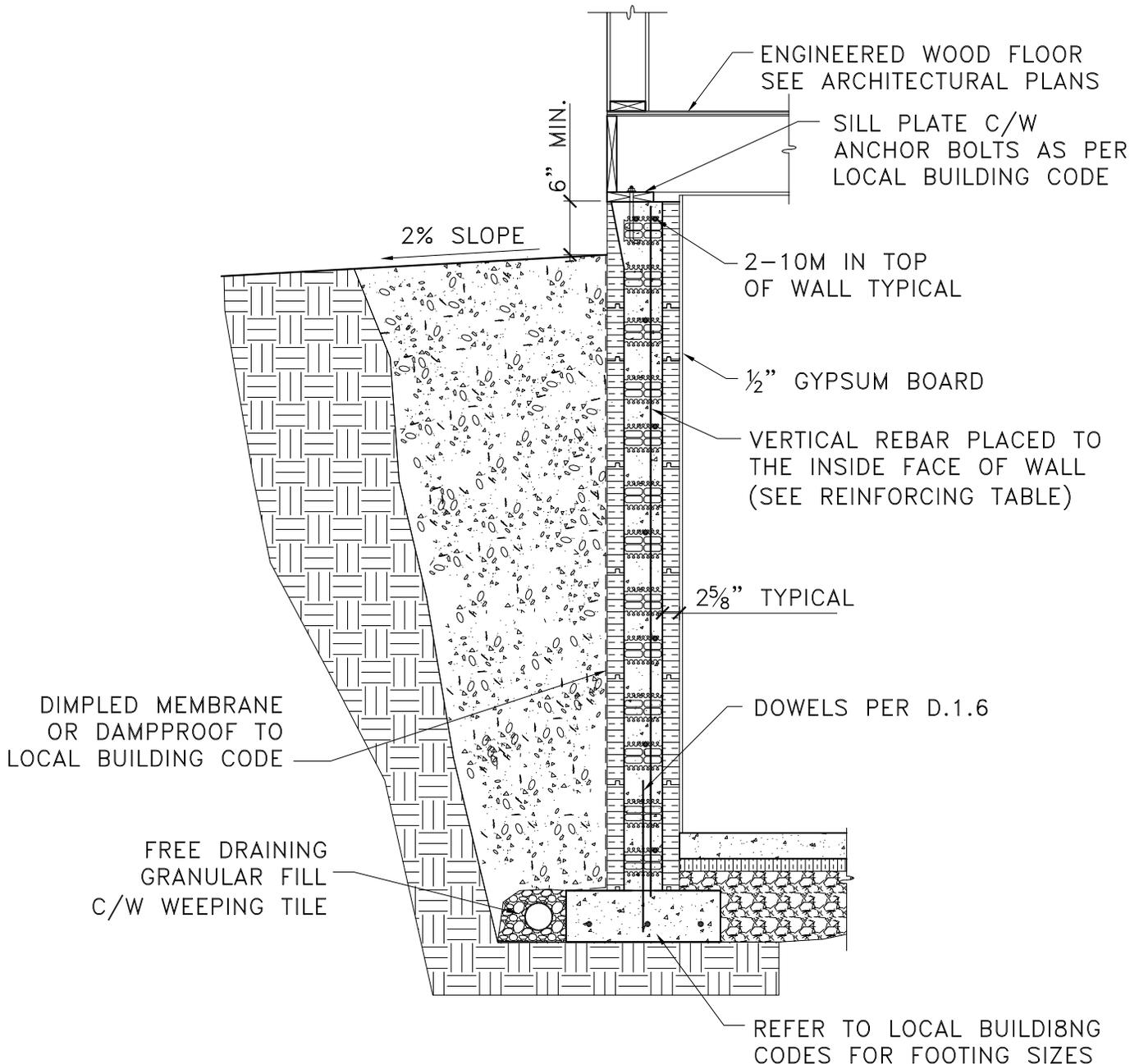
2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.

REFER TO LOCAL BUILDING CODES FOR FOOTING SIZES

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS	
FOUNDATION AND MAIN FLOOR	DESIGN	G DOREN	DATE	JULY, 09	
	DRAWN	L XIE	DATE	JULY, 09	
	CHECKED	J WHALEN	DATE	JULY, 09	
	DRAWING No.	S.2.6		REV.	

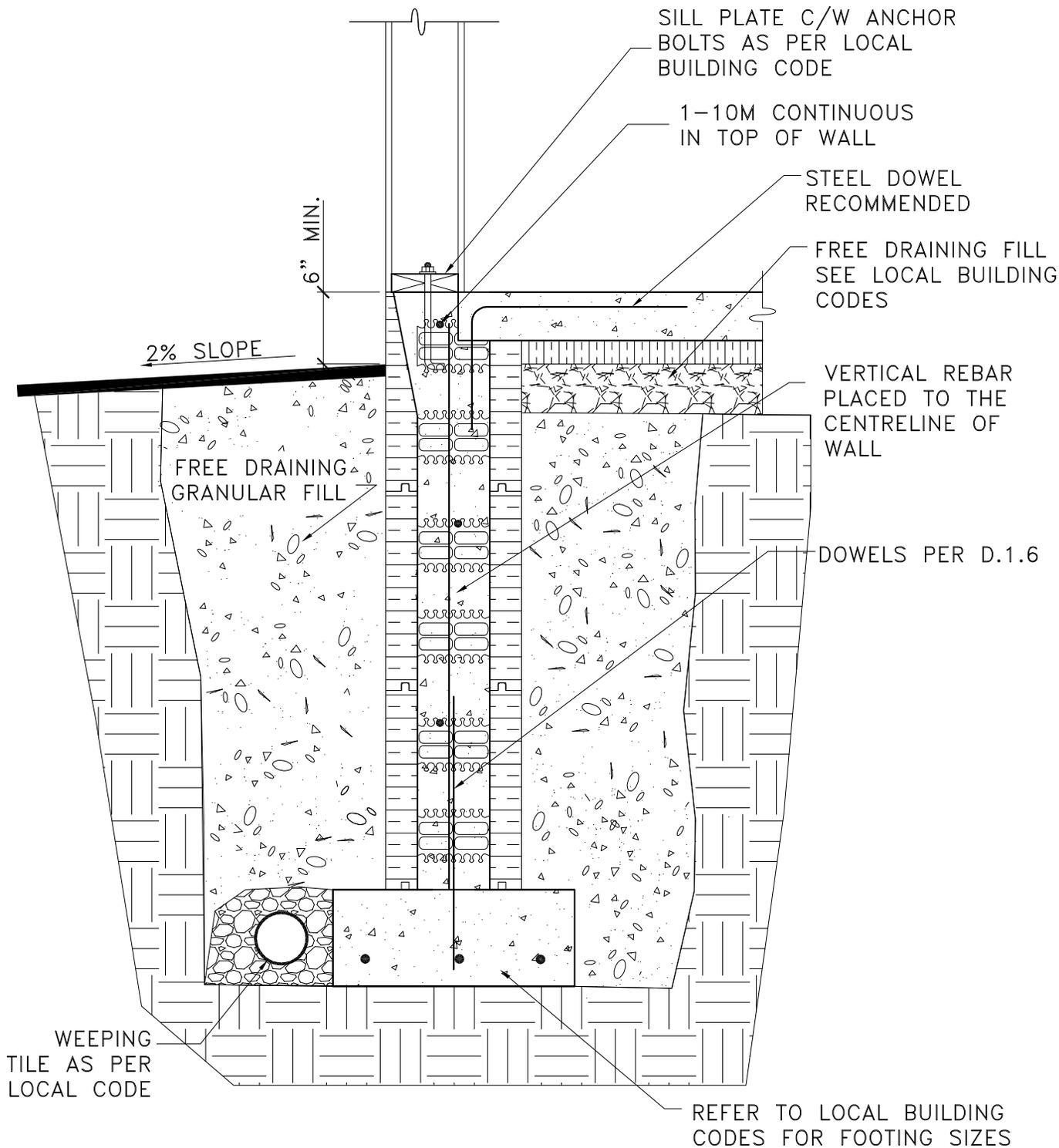


- NOTES:**
- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
 - 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM		SCALE	NTS	
FOUNDATION AND WOOD STUD MAIN	DESIGN	G DOREN	DATE	JULY, 09	
	DRAWN	L XIE	DATE	JULY, 09	
	CHECKED	J WHALEN	DATE	JULY, 09	
	DRAWING No.	S.3.6		REV.	



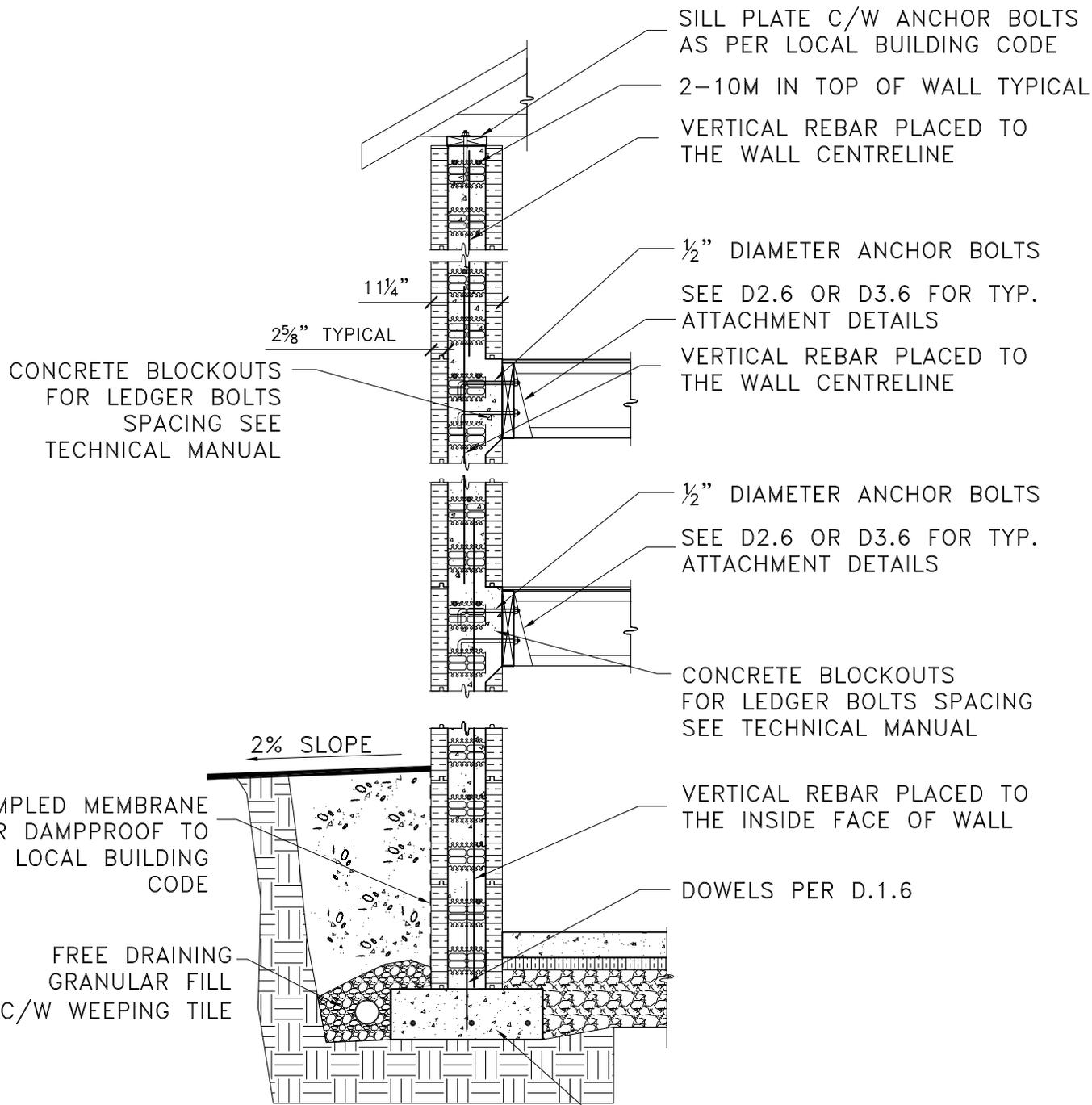
NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	6" ADVANTAGE ICF SYSTEM	SCALE	NTS
FROST WALL		DESIGN	DATE
		G DOREN	JULY, 09
		DRAWN	DATE
		L XIE	JULY, 09
		CHECKED	DATE
		J WHALEN	JULY, 09
DRAWING No.		REV.	
S.4.6			



NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

REFER TO LOCAL BUILDING CODES FOR FOOTING SIZES

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



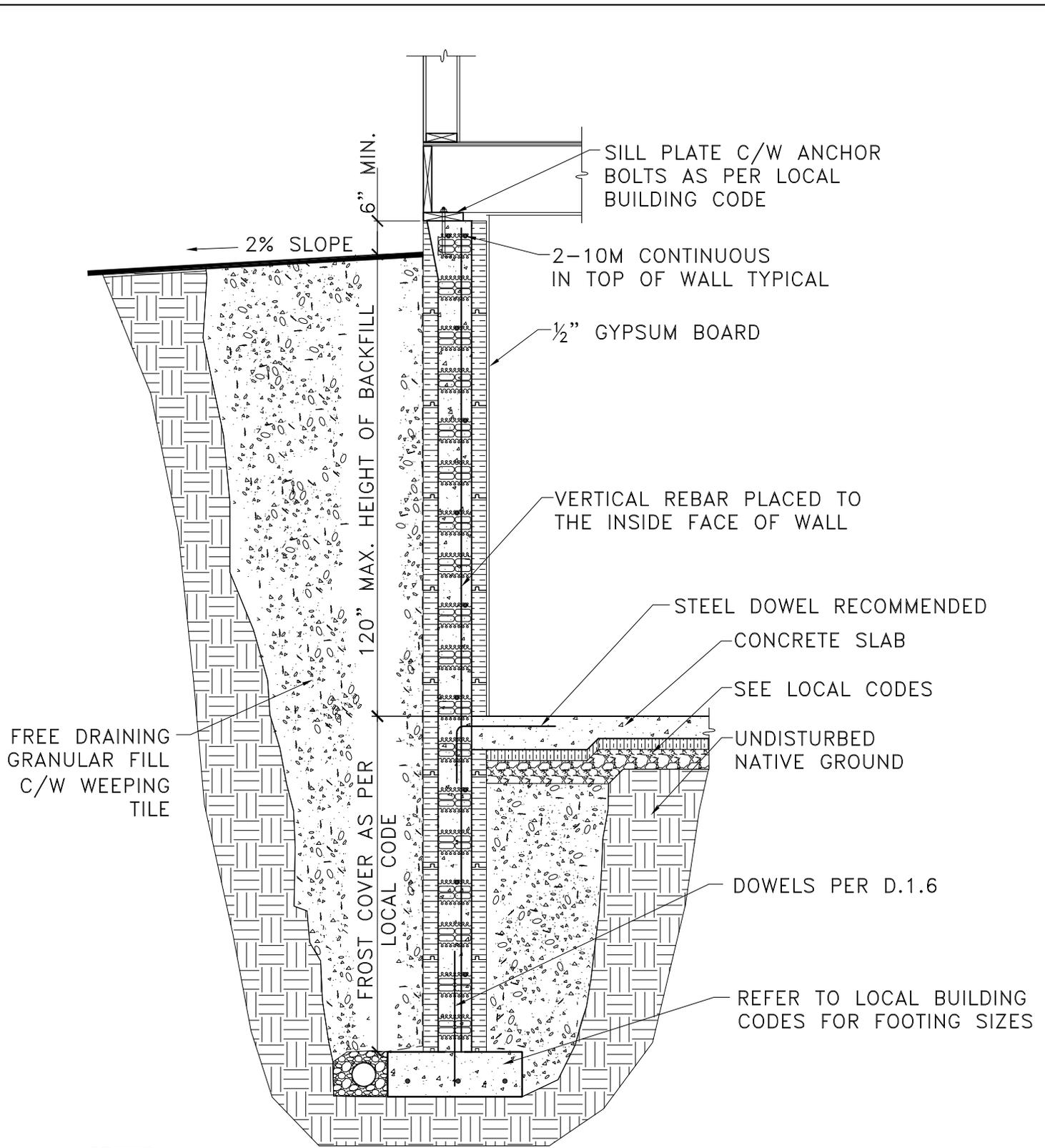
PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

FOUNDATION, MAIN, 2ND FLOOR

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

S.5.6



NOTES:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.

2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 6" ADVANTAGE ICF SYSTEM

FULL HEIGHT FROST WALL

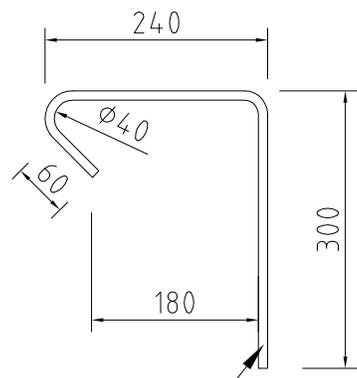
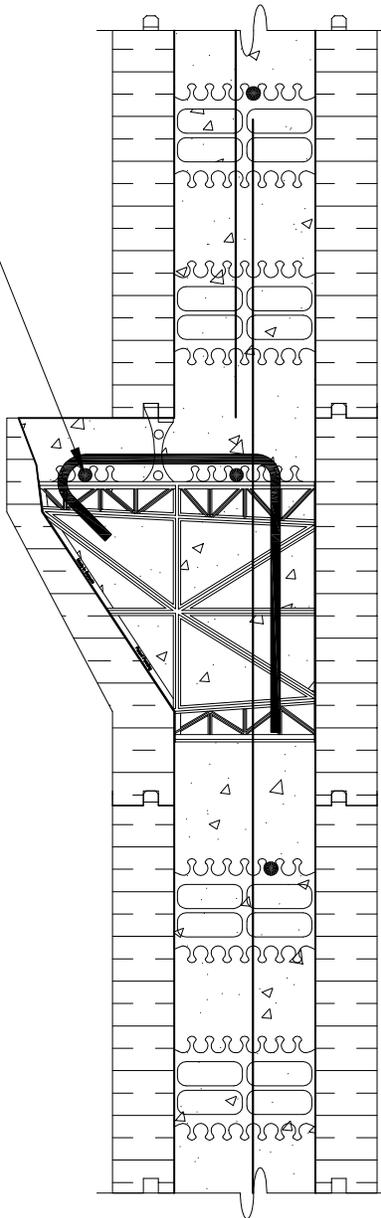
SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

S.6.6

BRICK LEDGE
FACTORED DESIGN
LOAD: 16 KN/m

1-10M CONT. EXTRA
IN BRICK LEDGE



10M @
203 mm
(8") o.c.

- NOTES:**
- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
 - 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

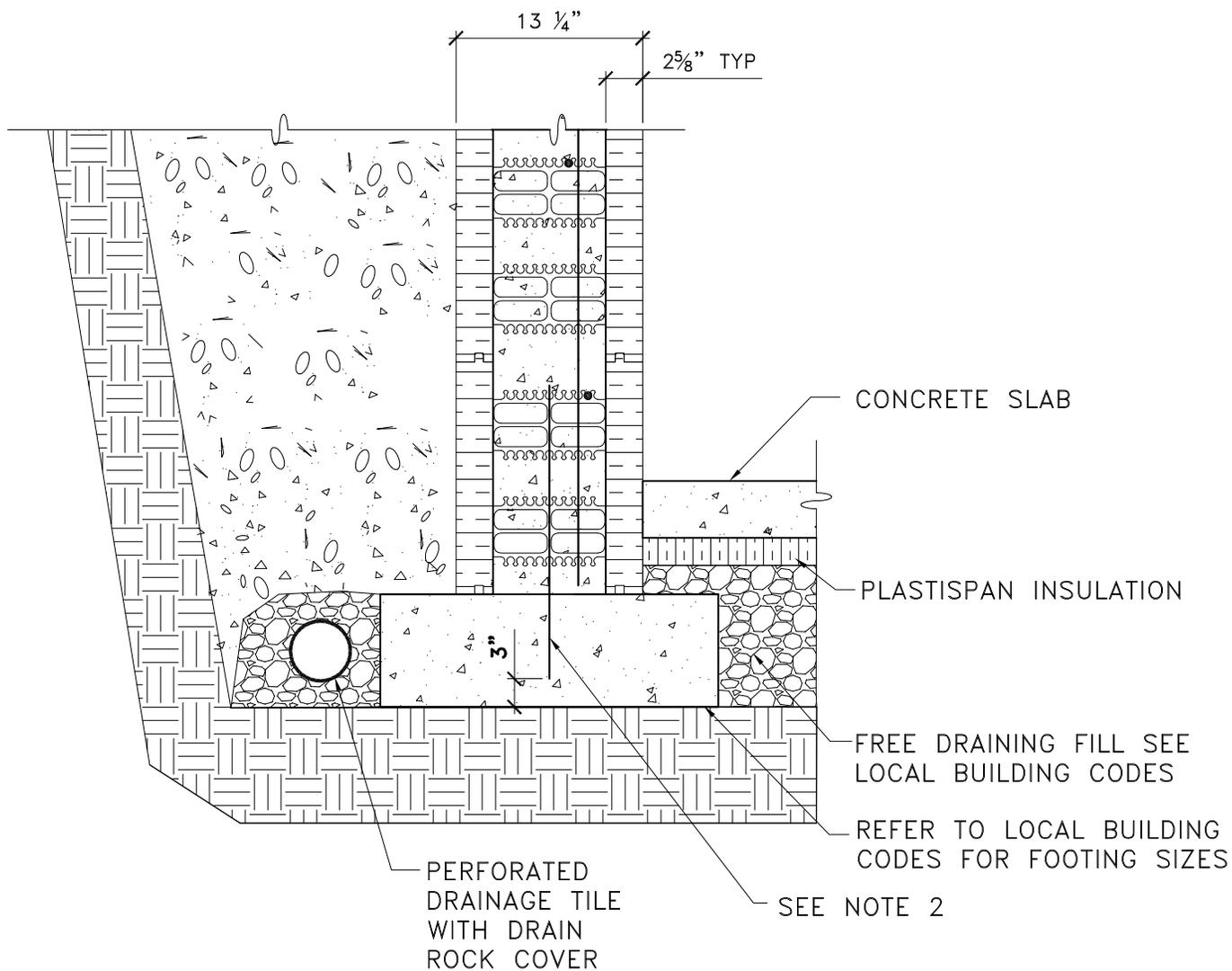
No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT: 6" ADVANTAGE ICF SYSTEM

BRICK LEDGE DETAIL

SCALE: NTS	
DESIGN: G DOREN	DATE: JULY, 09
DRAWN: L XIE	DATE: JULY, 09
CHECKED: J WHALEN	DATE: JULY, 09
DRAWING No. S.7.6	REV.



NOTES:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.

2. DOWEL FROM FOOTING TO MATCH SIZE OF VERTICAL REBAR AT A MAXIMUM SPACING OF 24" O.C. WITH MINIMUM 8" TOTAL EMBEDMENT INTO FOOTING AND 3" COVER THICKNESS OR AS PER LOCAL CODE. IF FOOTING IS LESS THAN 11" THICK, USE "L" SHAPE DOWEL.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



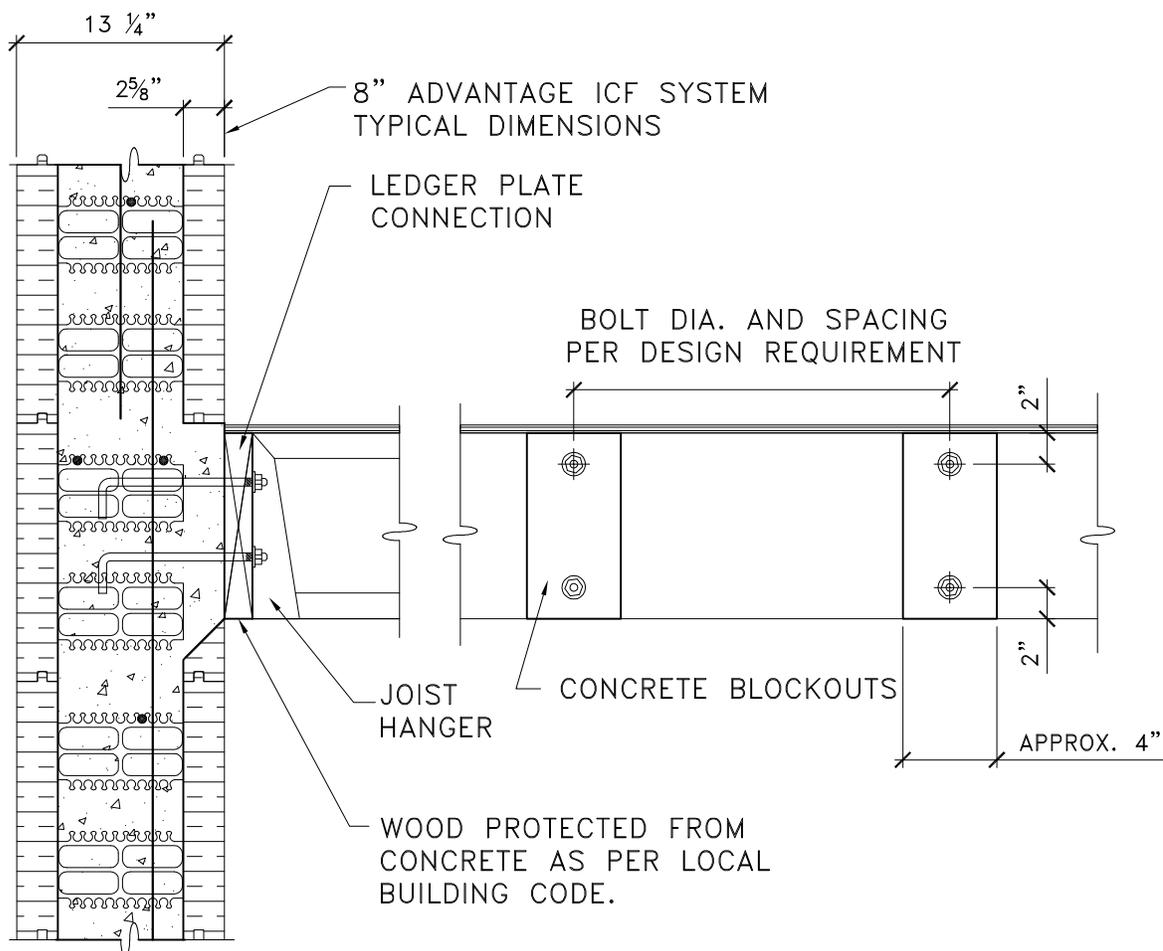
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

WALL TO FOOTING CONNECTION DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.1.8

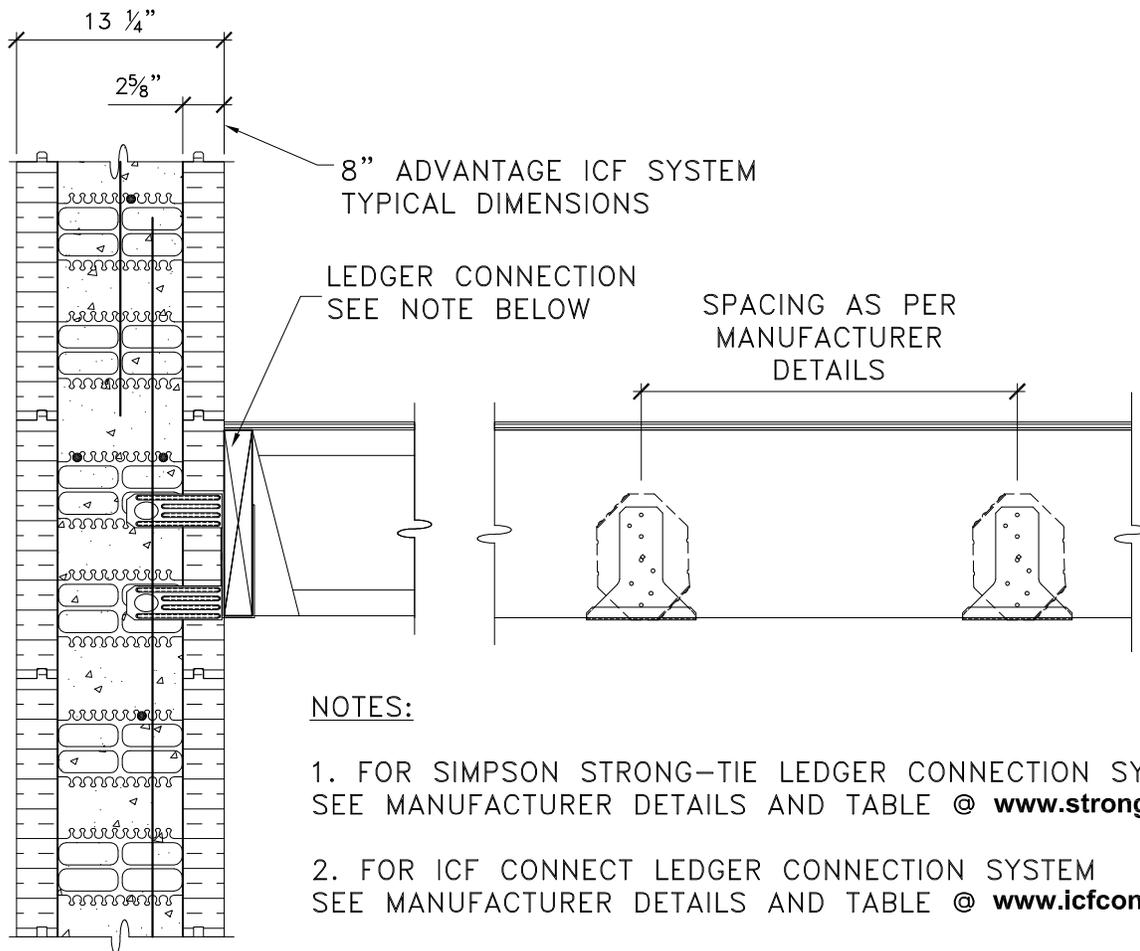


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS	
	FLOOR LEDGER WITH ANCHOR BOLTS	DESIGN	G DOREN	DATE	JULY, 09
		DRAWN	L XIE	DATE	JULY, 09
		CHECKED	J WHALEN	DATE	JULY, 09
		DRAWING No.	D.2.8		REV.

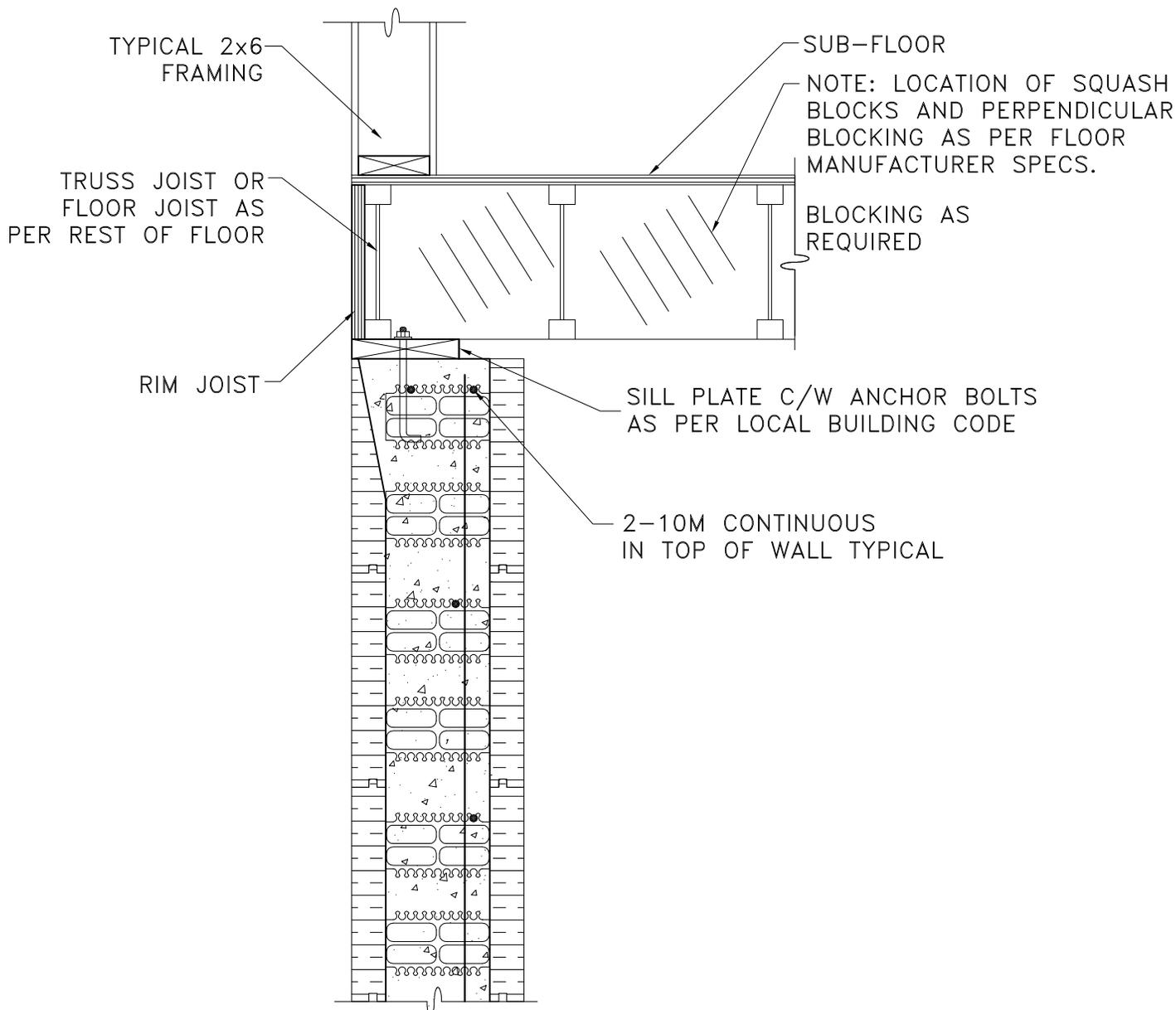


No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
DESIGN	G DOREN	DATE	JULY, 09
DRAWN	L XIE	DATE	JULY, 09
CHECKED	J WHALEN	DATE	JULY, 09
DRAWING No.	D.3.8	REV.	

**FLOOR JOIST AND
LEDGER
CONNECTORS**

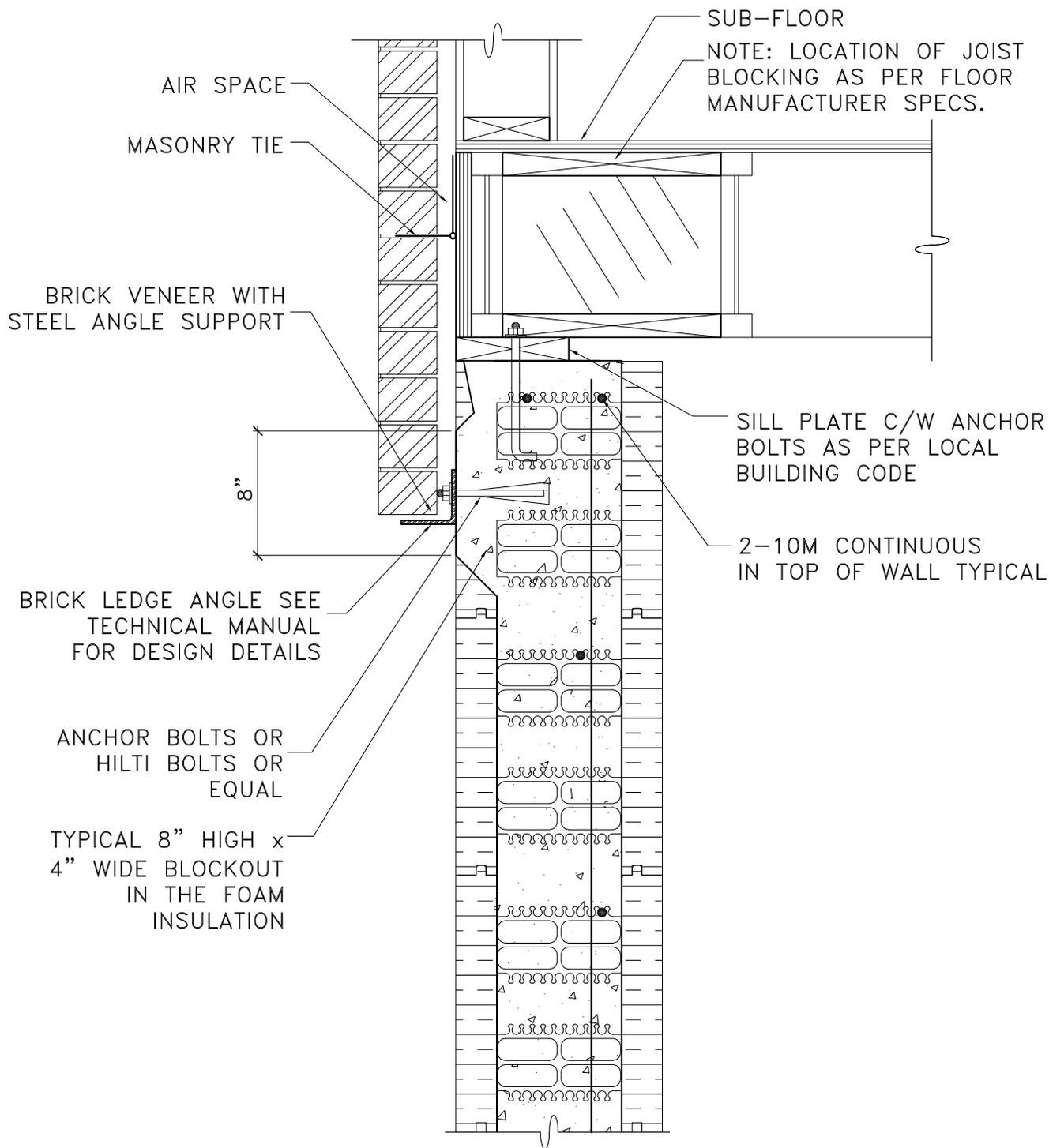


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS	
DESIGN	G DOREN	DATE	JULY, 09		
DRAWN	L XIE	DATE	JULY, 09		
CHECKED	J WHALEN	DATE	JULY, 09		
DRAWING No.	D.4.8		REV.		

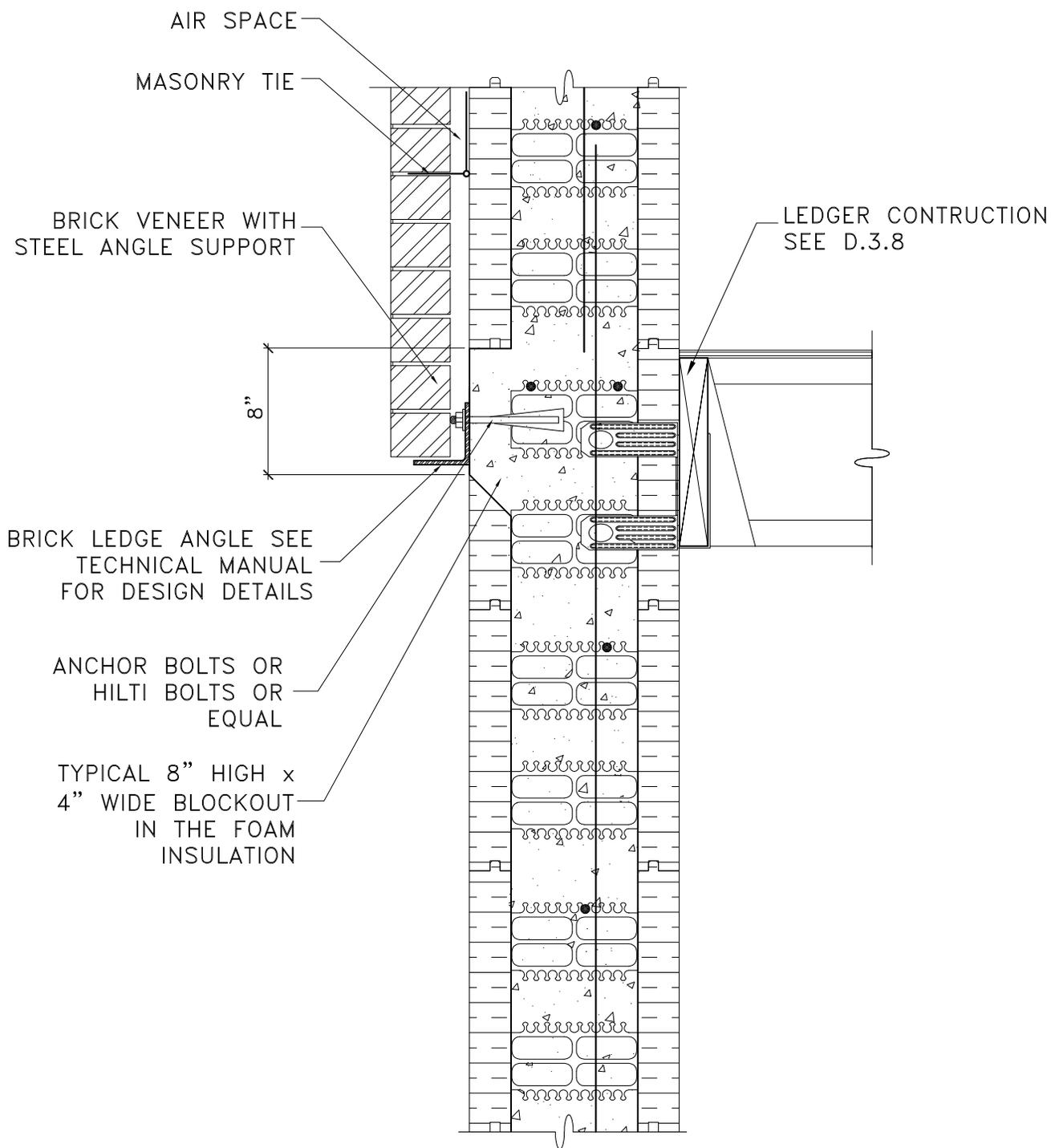


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS	
DESIGN	G DOREN	DATE	JULY, 09		
DRAWN	L XIE	DATE	JULY, 09		
CHECKED	J WHALEN	DATE	JULY, 09		
DRAWING No.	D.5.8		REV.		

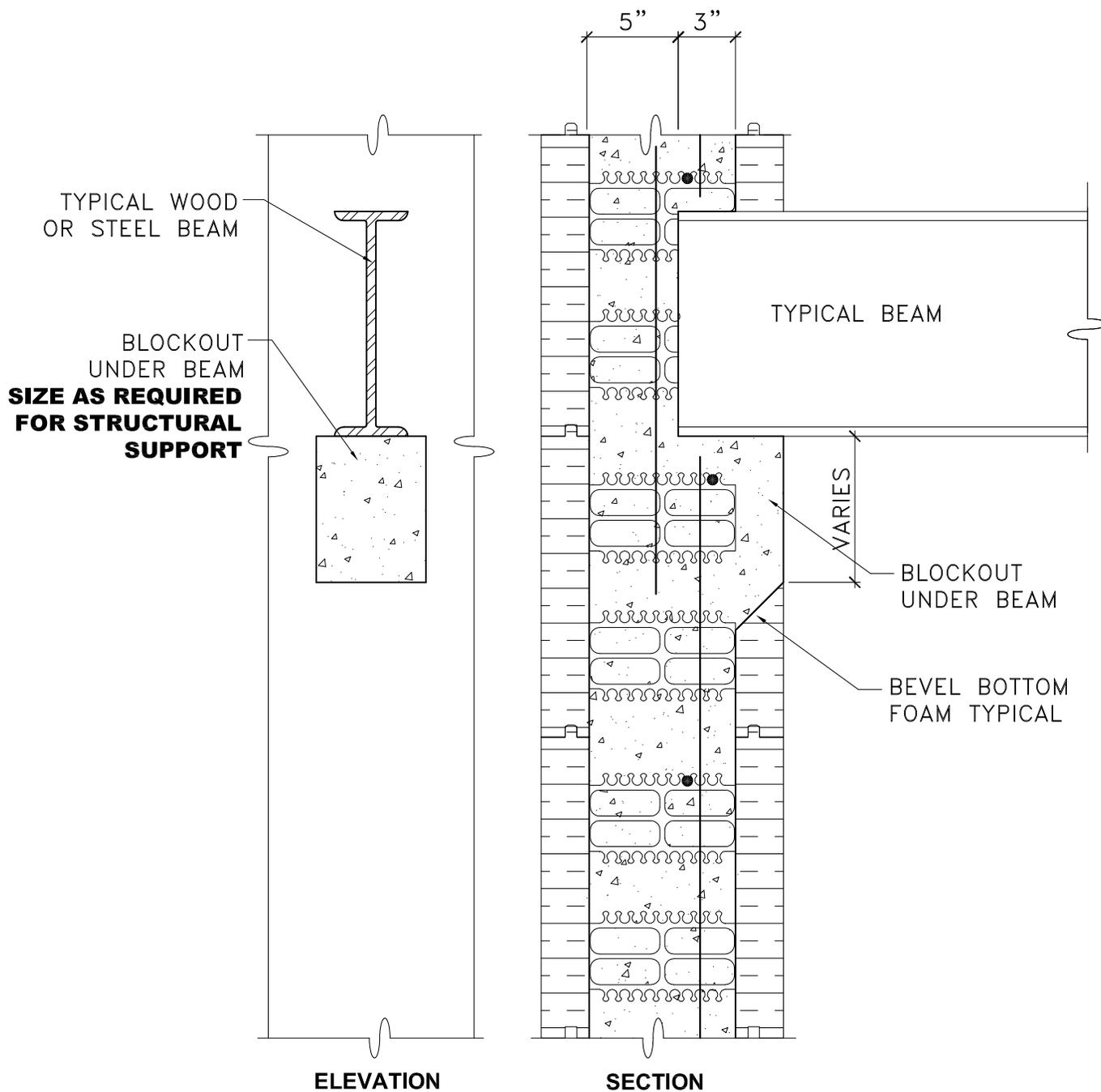


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS
DESIGN	G DOREN	DATE	JULY, 09	
	L XIE	DATE	JULY, 09	
CHECKED	J WHALEN	DATE	JULY, 09	
	DRAWING No.	REV.	D.5.8A	



NOTE:

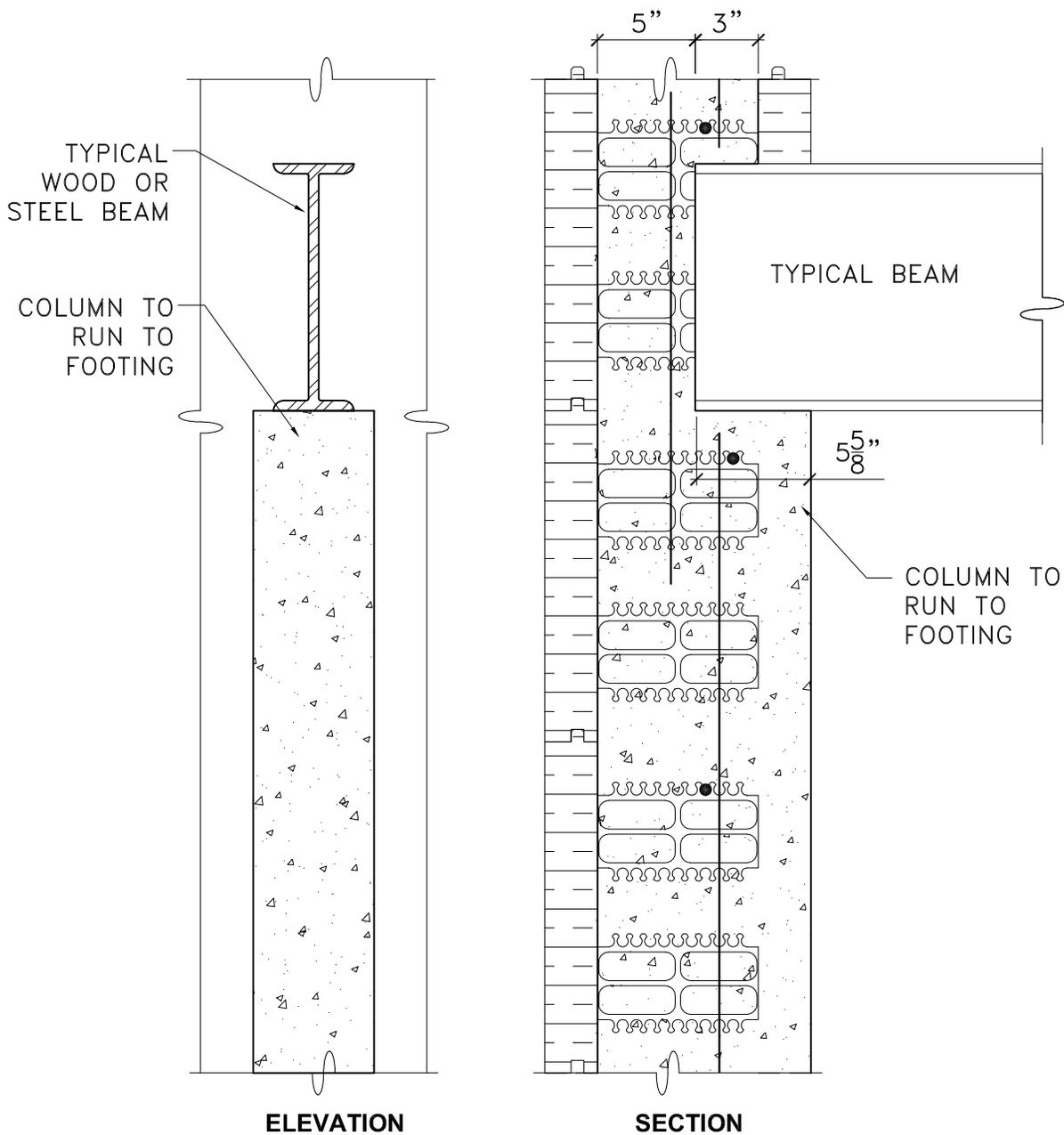
1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL
2. WOOD BEAMS MAY NEED TO BE PROTECTED SEE LOCAL BUILDING CODE OR FLOOR MANUFACTURER'S SPECIFICATIONS
3. ENGINEER TO CONFIRM BEARING CAPACITY REQUIRED FOR SPECIFIC BEAMS

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS	
BEAM POCKET DETAILS	DESIGN	G DOREN	DATE	JULY, 09	
	DRAWN	L XIE	DATE	JULY, 09	
	CHECKED	J WHALEN	DATE	JULY, 09	
	DRAWING No.	D.6.8		REV.	

NOTE:
COLUMN DIMENSIONS AS REQUIRED BY ENGINEER



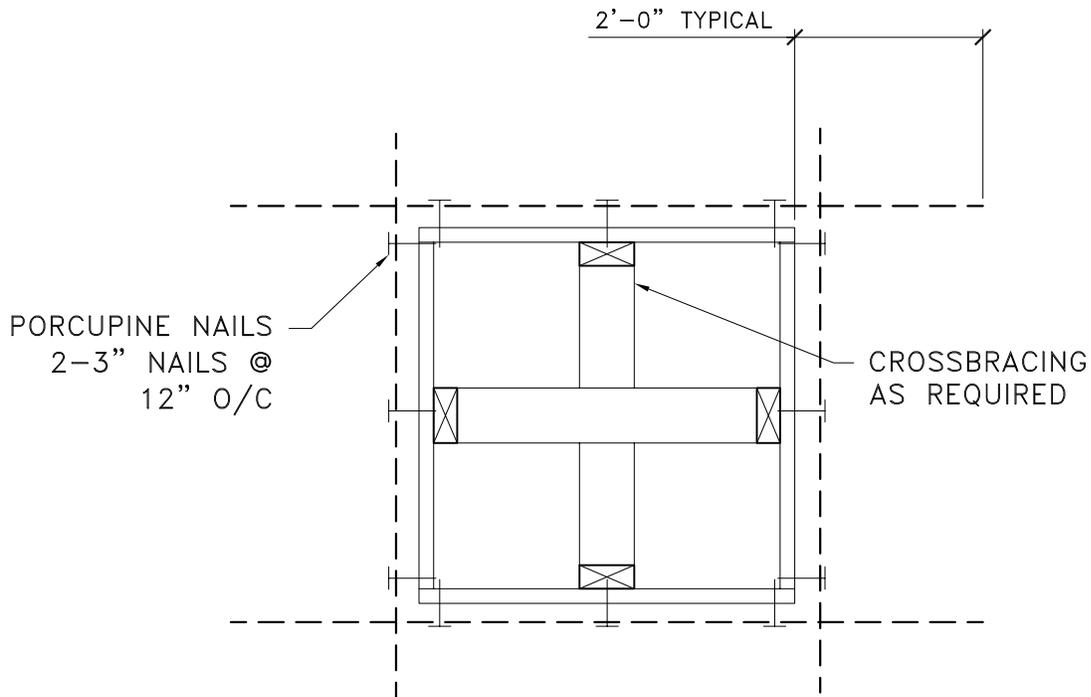
- NOTE:**
1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL
 2. WOOD BEAMS MAY NEED TO BE PROTECTED SEE LOCAL BUILDING CODE OR FLOOR MANUFACTURER'S SPECIFICATIONS
 3. ENGINEER TO CONFIRM BEARING CAPACITY REQUIRED FOR SPECIFIC BEAMS

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
DESIGN	G DOREN	DATE	JULY, 09
DRAWN	L XIE	DATE	JULY, 09
CHECKED	J WHALEN	DATE	JULY, 09
DRAWING No.	D.7.8	REV.	

**FULL HEIGHT COLUMN
FOOTINGS TO
UNDERSIDE OF BEAM**



NOTES:

1. WRAP BUCK TO ENSURE WOOD IS NOT IN DIRECT CONTACT WITH CONCRETE.
2. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL
3. SEE TECHNICAL MANUAL FOR REINFORCING.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



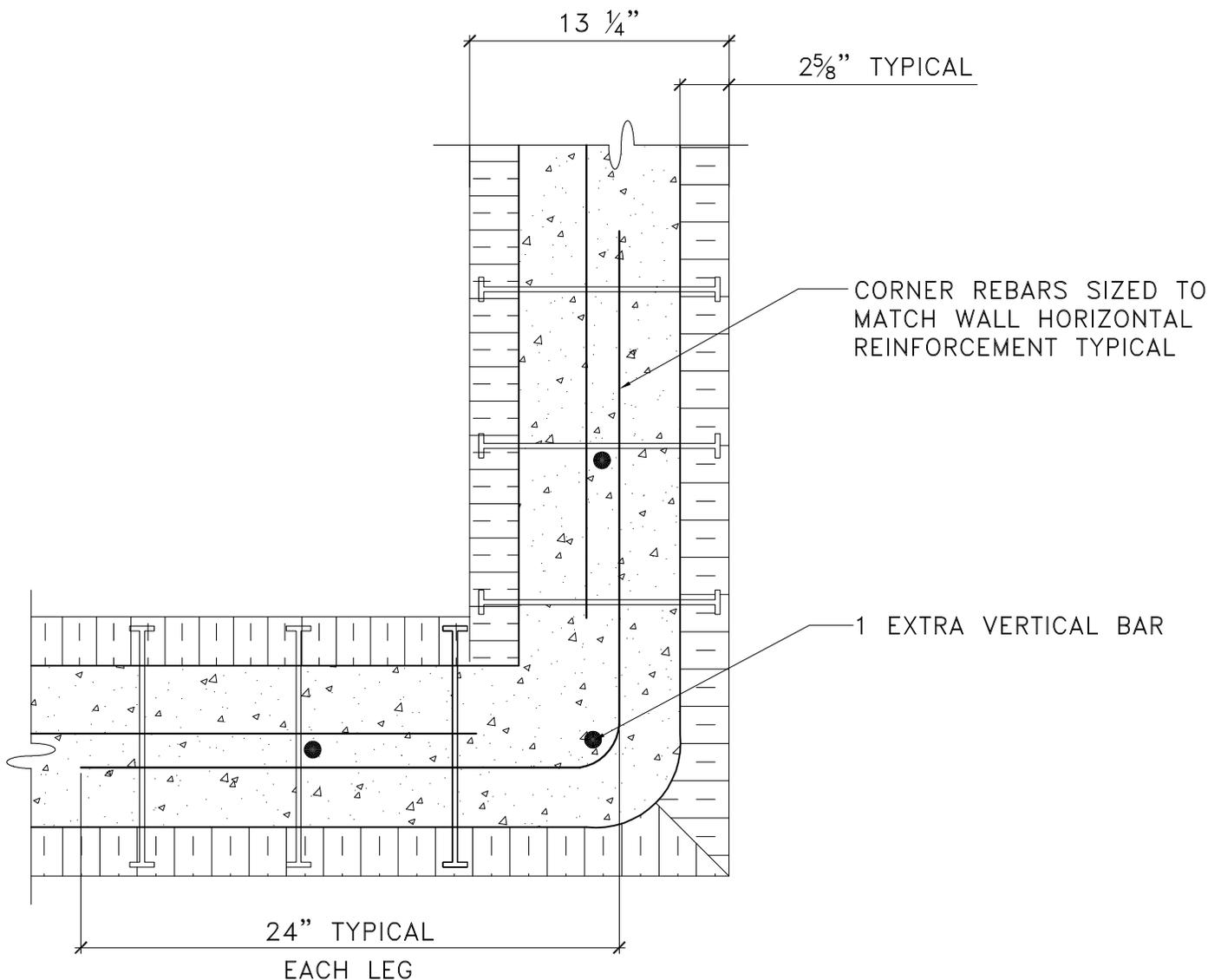
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

OPENING DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.8.8



NOTES:

1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
2. REBAR OVERLAP TO BE 450 MM (18") FOR 10M AND 650 MM (26") FOR 15M.
3. MULTI STRAPS INSTALLED PRIOR TO POUR AS PER INSTALLATION MANUAL.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



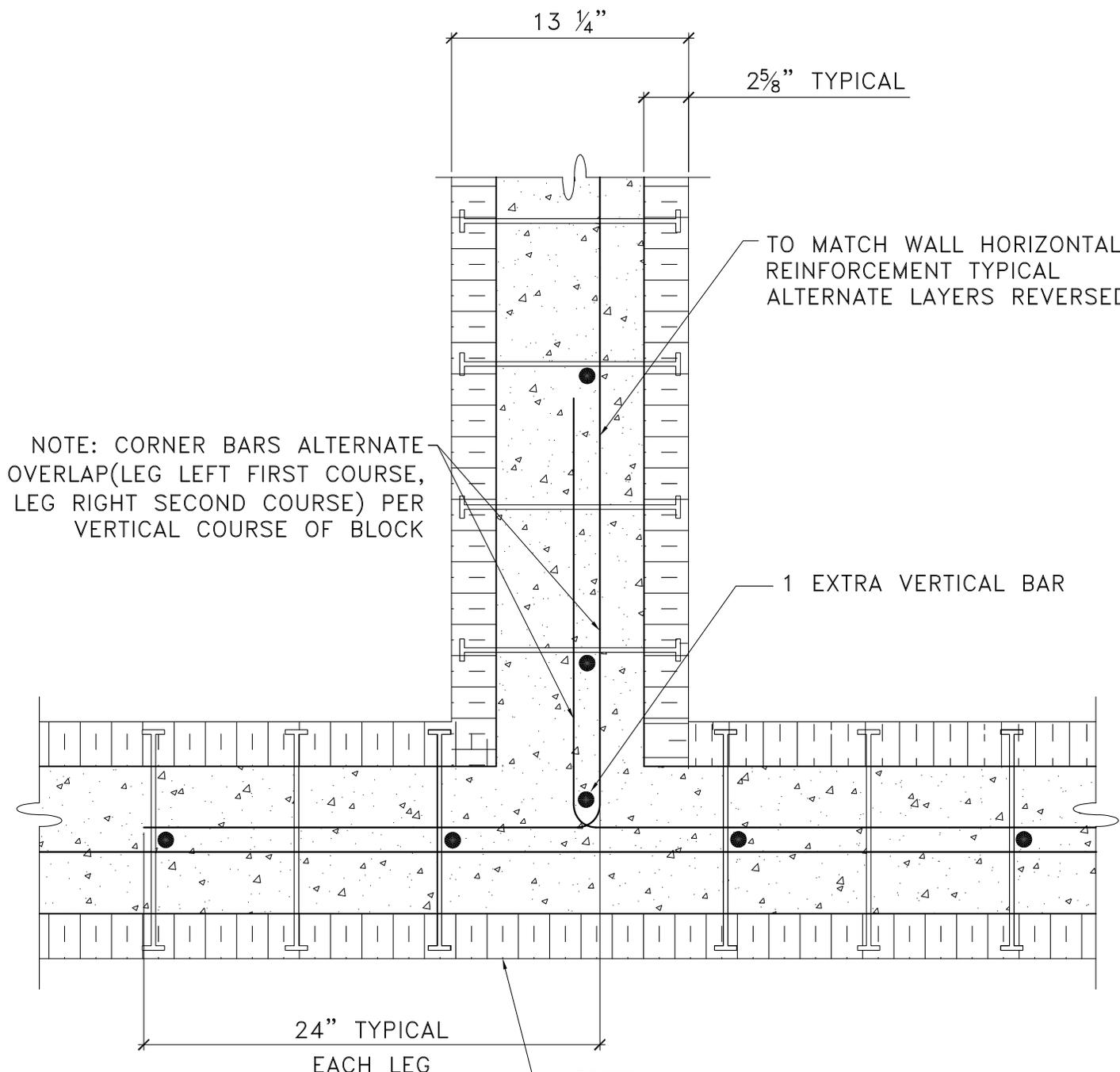
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

**TYPICAL CORNER
DETAIL**

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.9.8



NOTE: CORNER BARS ALTERNATE OVERLAP (LEG LEFT FIRST COURSE, LEG RIGHT SECOND COURSE) PER VERTICAL COURSE OF BLOCK

TO MATCH WALL HORIZONTAL REINFORCEMENT TYPICAL ALTERNATE LAYERS REVERSED

1 EXTRA VERTICAL BAR

24" TYPICAL
EACH LEG

NOTE:
TEES REQUIRE EXTRA BRACING ON BACK AND INSIDE CORNERS DURING CONCRETE POUR SEE INSTALLATION MANUAL

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



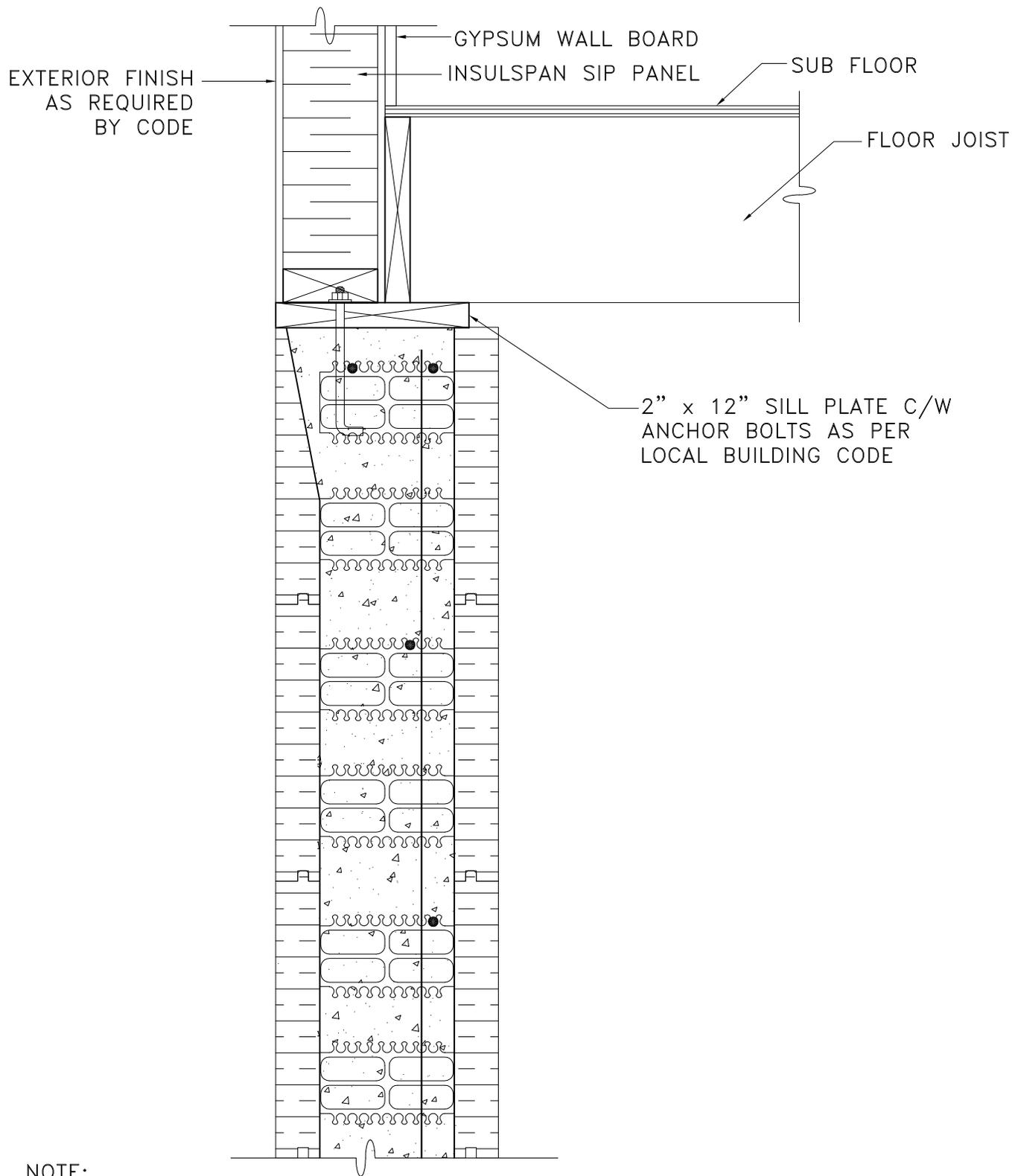
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

TYPICAL "T" INTERSECTION

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.10.8



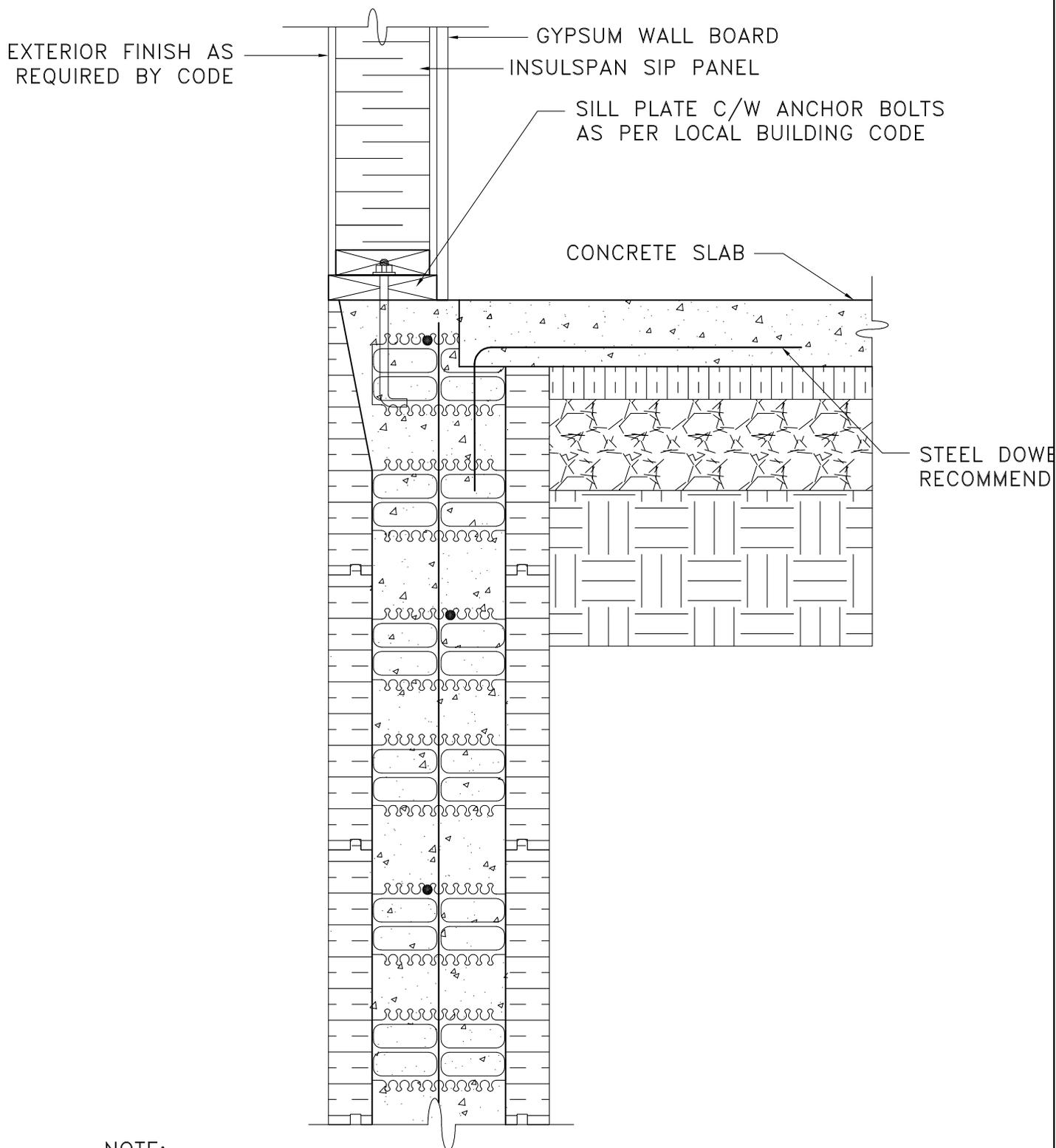
NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS	
	DESIGN	DATE			
	G DOREN	JULY, 09			
	DRAWN	DATE			
	L XIE	JULY, 09			
	CHECKED	DATE			
	J WHALEN	JULY, 09			
	DRAWING No.	REV.			
	D.11.8				

SIP WALL CONNECTION



NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
 ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

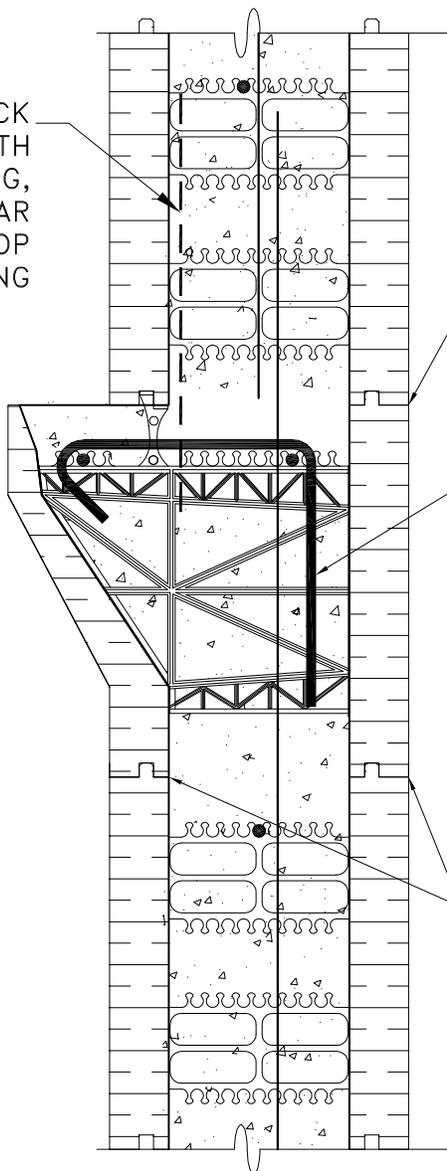
No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM
SIP WALL CONNECTION WITH CONCRETE SLAB

SCALE NTS	
DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No. D.12.8	REV.

TIE BLOCK ABOVE BRICK
LEGE DOWN WITH
ADVANTAGE BANDING,
ZIP STRAP, OR REBAR
WIRE TO KEEP TOP
BLOCK FROM FLOATING



GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

10M STIRRUP SEE TECHNICAL
MANUAL PAGE 8 OR PER
LOCAL ENGINEER

GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

BRICK LEDGE DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.13.8

TIE BLOCK ABOVE BRICK
LEGE DOWN WITH
ADVANTAGE BANDING,
ZIP STRAP, OR REBAR
WIRE TO KEEP TOP
BLOCK FROM FLOATING

2x4 TREATED
LEGE PLATE
C/W BOLTS AS
PER LOCAL
BUILDING CODE

GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

10M STIRRUP SEE TECHNICAL
MANUAL PAGE 8 OR PER
LOCAL ENGINEER

GLUE THESE JOINTS WITH
LOW EXPANSION FOAM
ADHESIVE CONTINUOUS

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



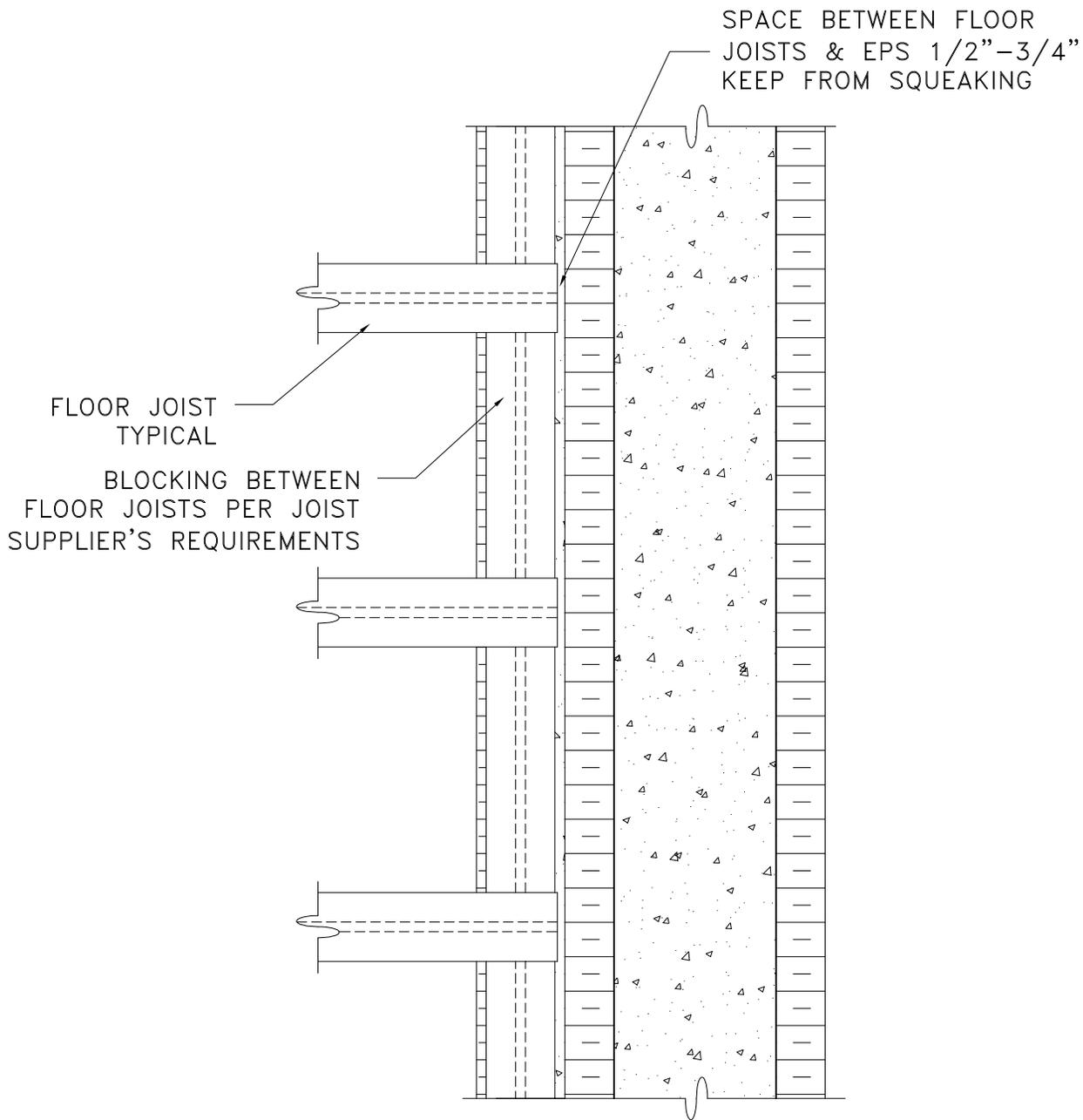
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

FLOOR LEDGE DETAIL

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.14.8



NOTE:
FOR USE WITH DETAIL D.14.8

NOTE:
FASTEN FLOOR JOISTS TO 2x SILL PLATE AS PER LOCAL BUILDING CODE REQUIREMENTS

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

**FLOOR LEDGE DETAIL
PLAN VIEW**

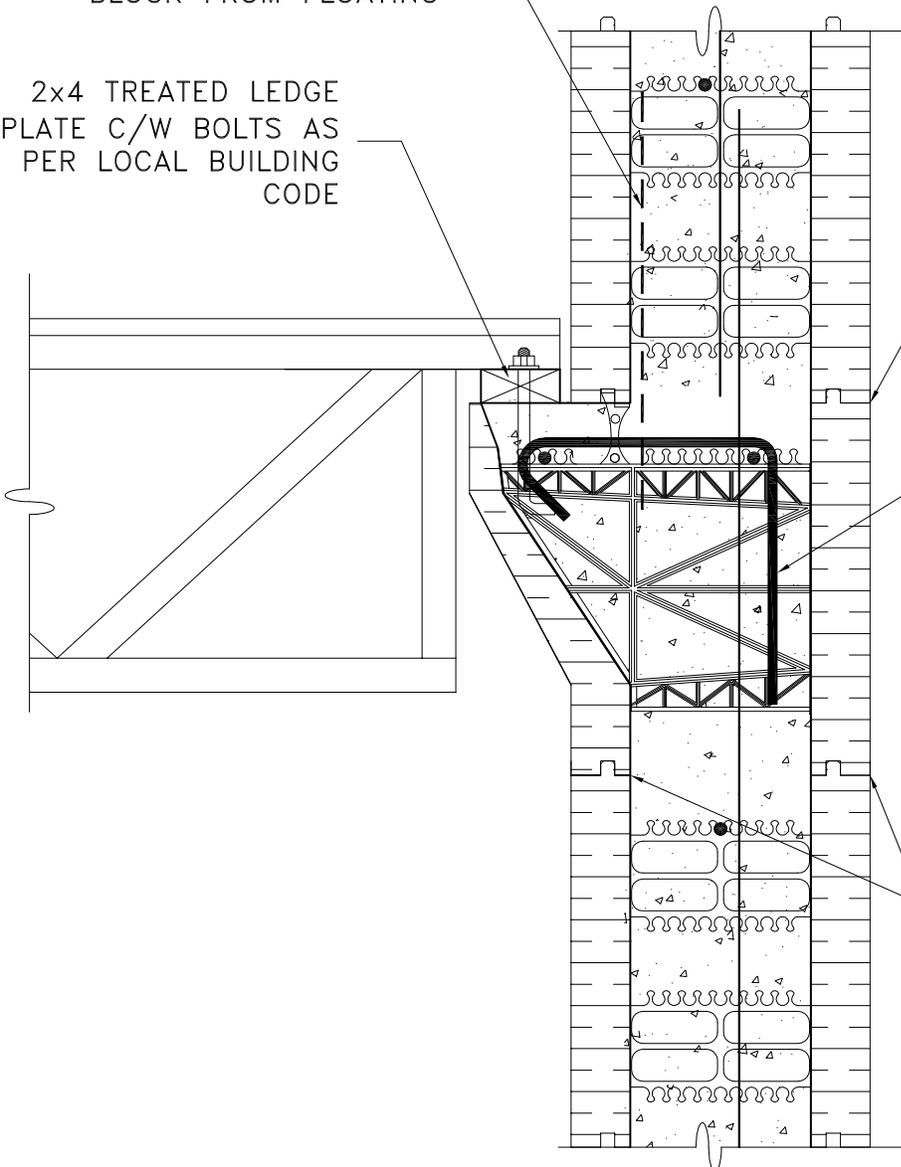
SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

D.14.8A

TIE BLOCK ABOVE BRICK
LEDGE DOWN WITH ADVANTAGE
BANDING, ZIP STRAP, OR
REBAR WIRE TO KEEP TOP
BLOCK FROM FLOATING

2x4 TREATED LEDGE
PLATE C/W BOLTS AS
PER LOCAL BUILDING
CODE



GLUE THESE JOINTS
WITH LOW EXPANSION
FOAM ADHESIVE
CONTINUOUS

10M STIRRUP SEE
TECHNICAL MANUAL
PAGE 8 OR PER LOCAL
ENGINEER

GLUE THESE JOINTS
WITH LOW EXPANSION
FOAM ADHESIVE
CONTINUOUS

NOTE:
DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE
ICF SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



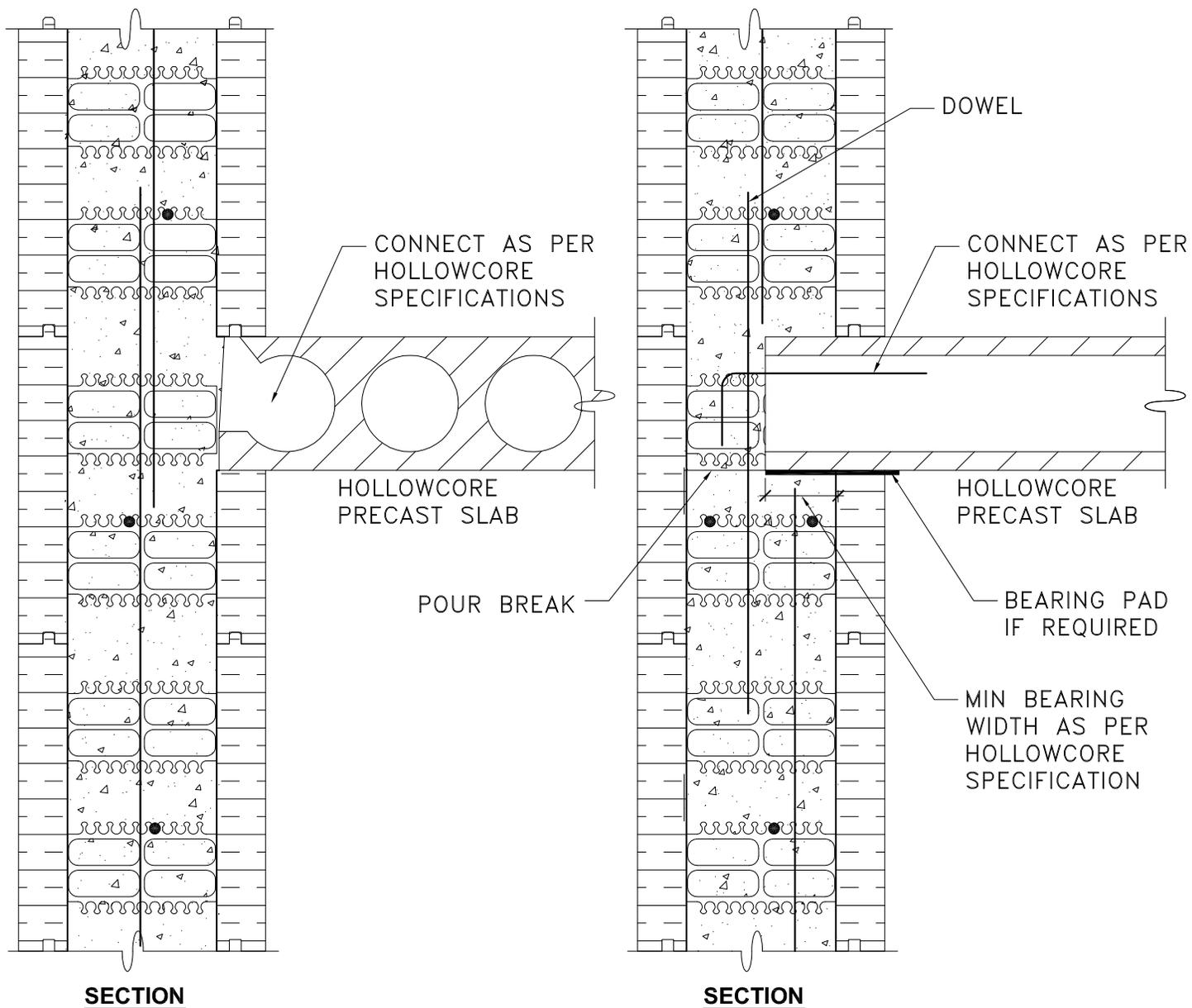
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

**FLOOR TRUSS
LEDGE DETAIL**

SCALE NTS

DESIGN G DOREN	DATE OCT. 09
DRAWN L XIE	DATE OCT. 09
CHECKED J WHALEN	DATE OCT. 09
DRAWING No.	REV.

D.14.8

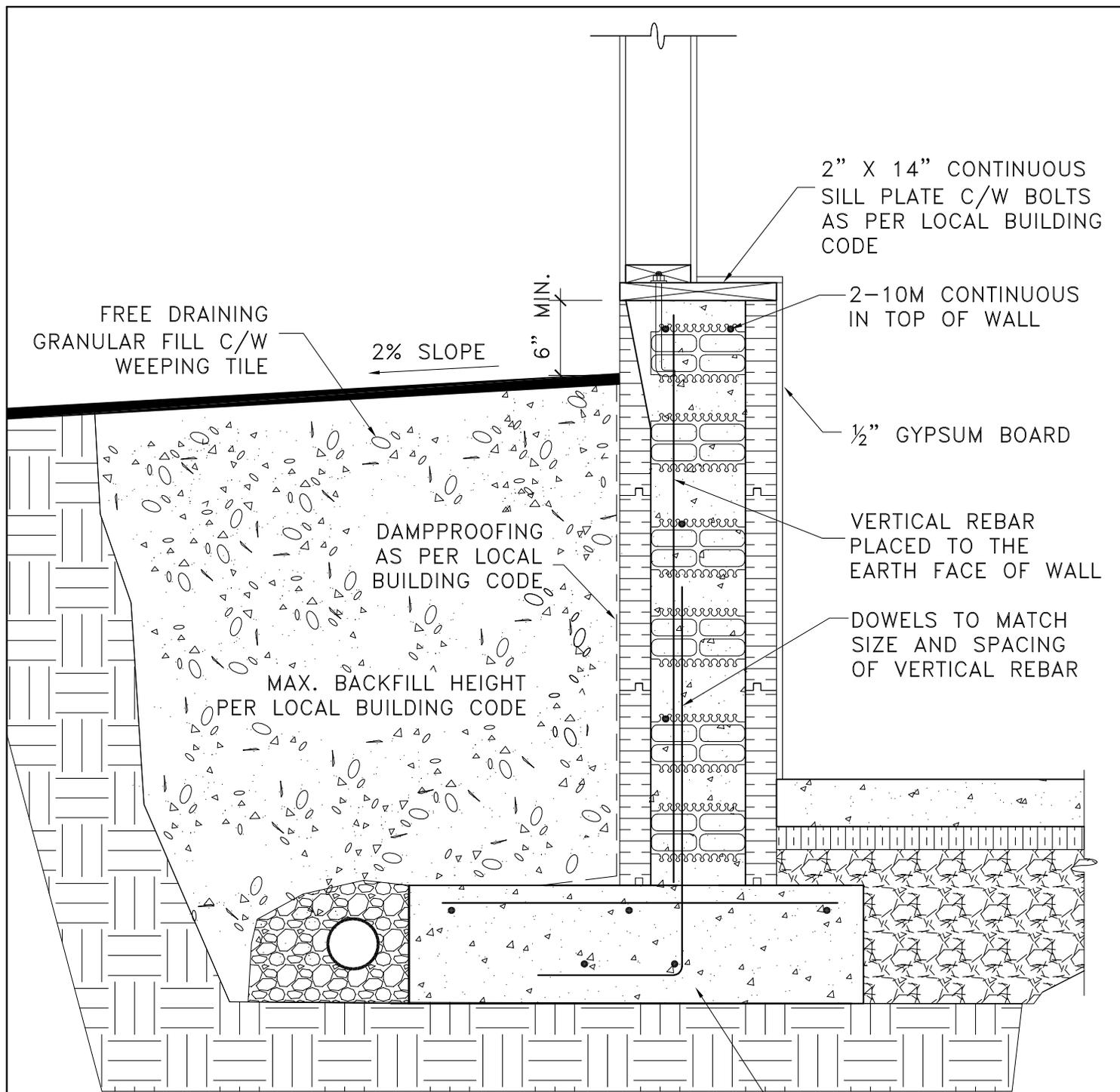


NOTE:
 DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF
 SYSTEM TECHNICAL & INSTALLATION MANUAL

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
<h2>PRECAST CONCRETE FLOOR DETAIL</h2>		DESIGN	G DOREN
		DATE	JULY, 09
		DRAWN	L XIE
		DATE	JULY, 09
CHECKED	J WHALEN	DATE	JULY, 09
DRAWING No.	D.15.8	REV.	



NOTES:

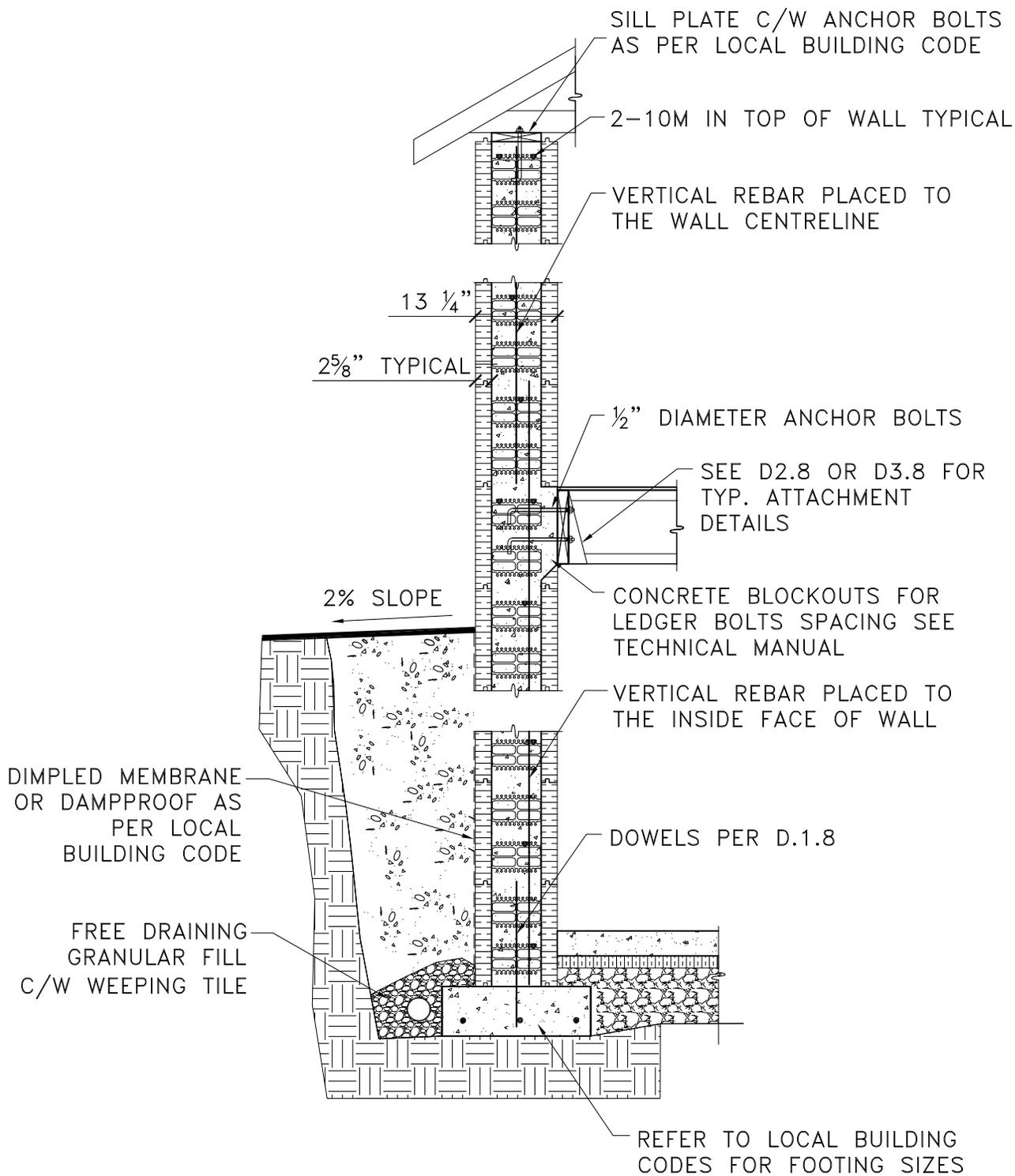
- 1. ENSURE APPROPRIATE FROST COVER.**
- 2. THIS IS A Laterally UNSUPPORTED WALL. REFER TO LOCAL BUILDING CODES.**
- 3. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 4. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

REFER TO LOCAL BUILDING CODES FOR FOOTING SIZES

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM		SCALE	NTS		
KNEE OR PONY WALL			DESIGN	G DOREN	DATE	JULY, 09
			DRAWN	L XIE	DATE	JULY, 09
			CHECKED	J WHALEN	DATE	JULY, 09
			DRAWING No.	S.1.8		REV.



NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



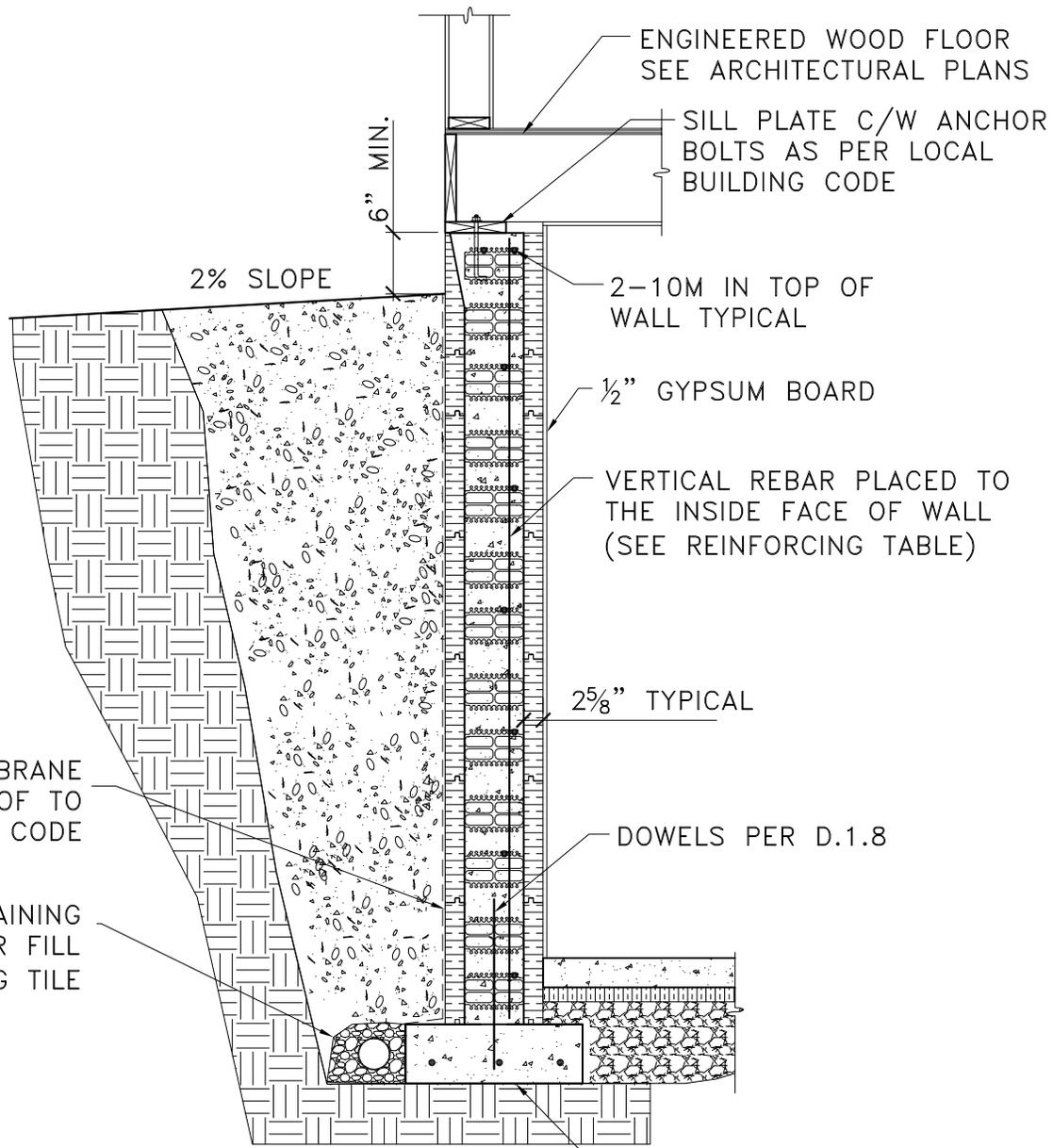
PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

FOUNDATION AND MAIN FLOOR

SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

S.2.8



DIMPLED MEMBRANE OR DAMPPROOF TO LOCAL BUILDING CODE

FREE DRAINING GRANULAR FILL C/W WEeping TILE

ENGINEERED WOOD FLOOR SEE ARCHITECTURAL PLANS

SILL PLATE C/W ANCHOR BOLTS AS PER LOCAL BUILDING CODE

6" MIN.

2% SLOPE

2-10M IN TOP OF WALL TYPICAL

1/2" GYPSUM BOARD

VERTICAL REBAR PLACED TO THE INSIDE FACE OF WALL (SEE REINFORCING TABLE)

2 5/8" TYPICAL

DOWELS PER D.1.8

REFER TO LOCAL BUILDING CODES FOR FOOTING SIZES

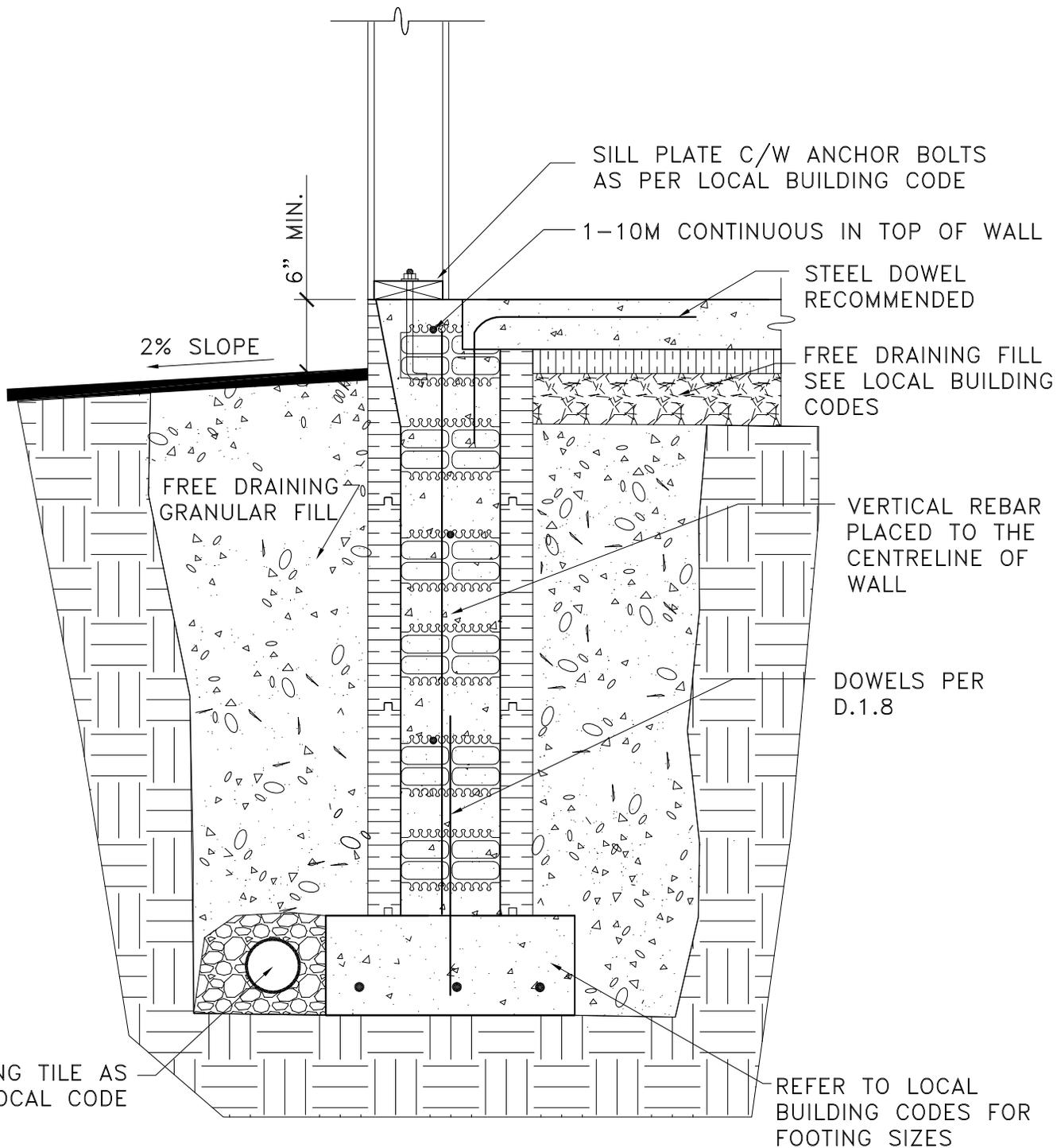
NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
FOUNDATION AND WOOD STUD MAIN		DESIGN	DATE
		G DOREN	JULY, 09
		DRAWN	DATE
		L XIE	JULY, 09
CHECKED	DATE		
J WHALEN	JULY, 09		
DRAWING No.		REV.	
	S.3.8		



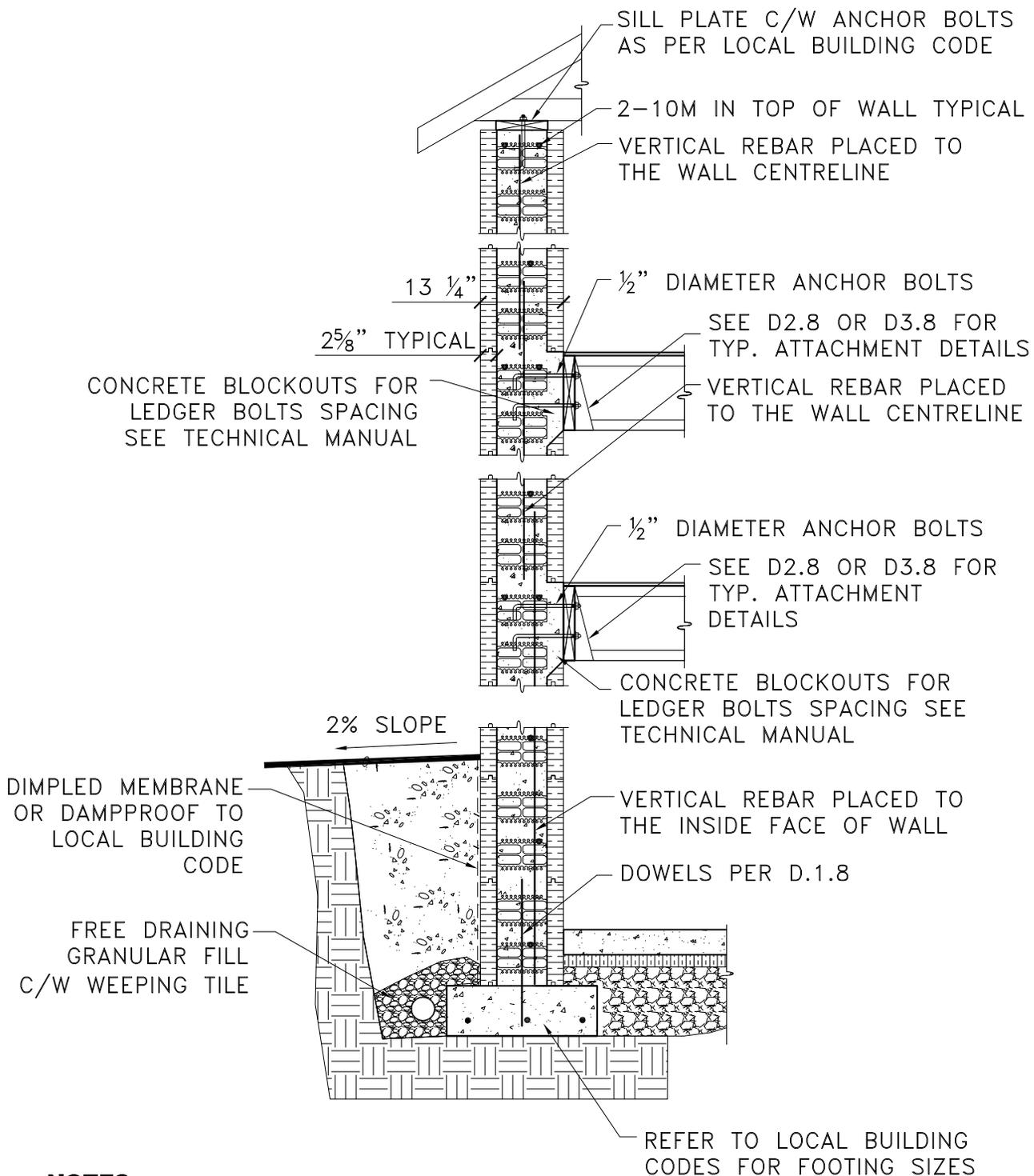
NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
FROST WALL		DESIGN	G DOREN
		DATE	JULY, 09
		DRAWN	L XIE
		DATE	JULY, 09
		CHECKED	J WHALEN
		DATE	JULY, 09
DRAWING No.		REV.	
S.4.8			



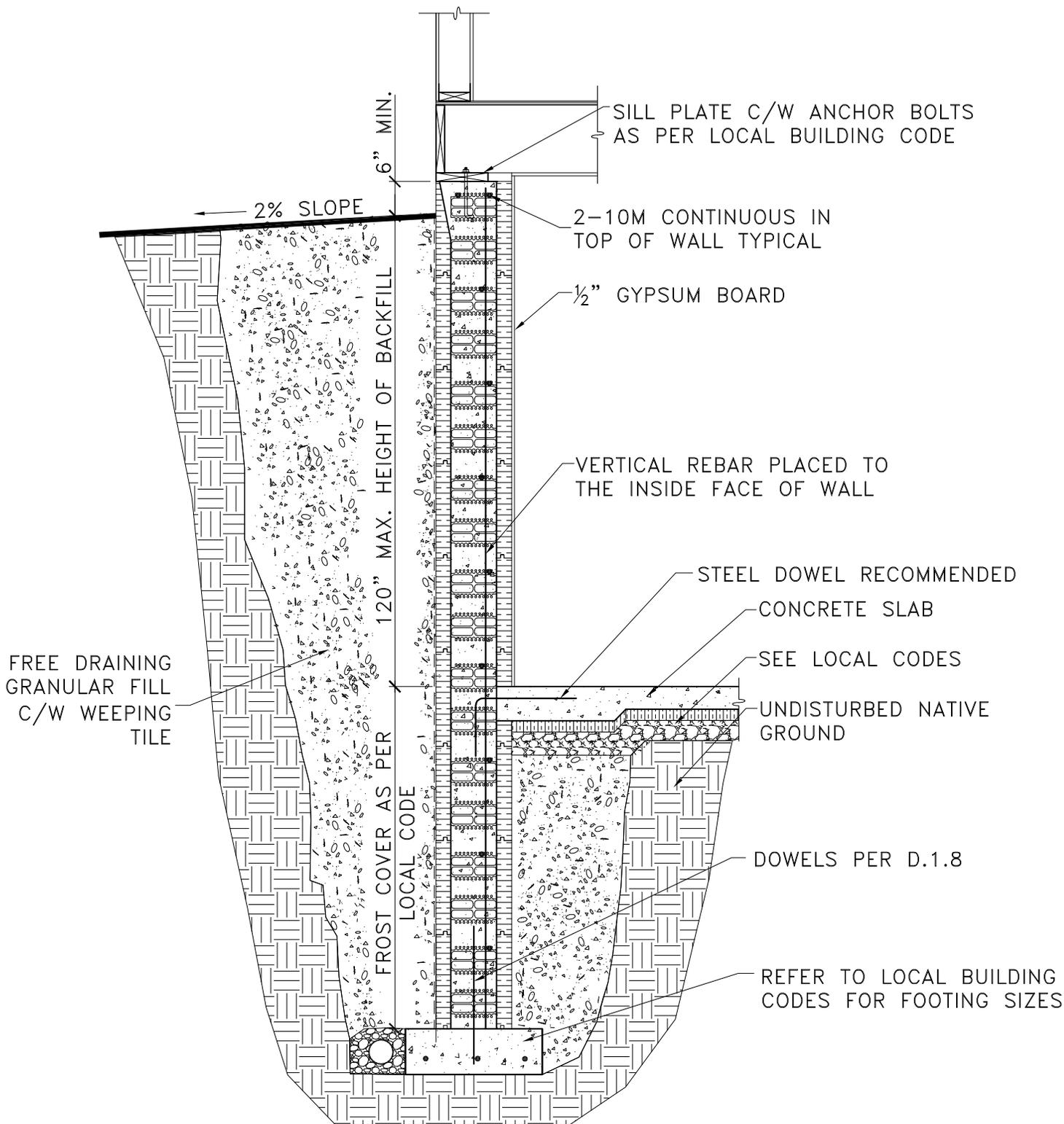
NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT	8" ADVANTAGE ICF SYSTEM	SCALE	NTS
FOUNDATION, MAIN, 2ND FLOOR	DESIGN	G DOREN	DATE JULY, 09
	DRAWN	L XIE	DATE JULY, 09
	CHECKED	J WHALEN	DATE JULY, 09
	DRAWING No.	S.5.8	



NOTES:

- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
- 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

FULL HEIGHT FROST WALL

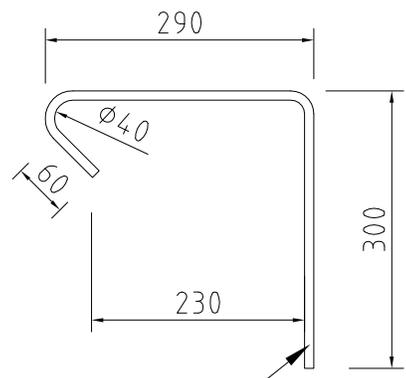
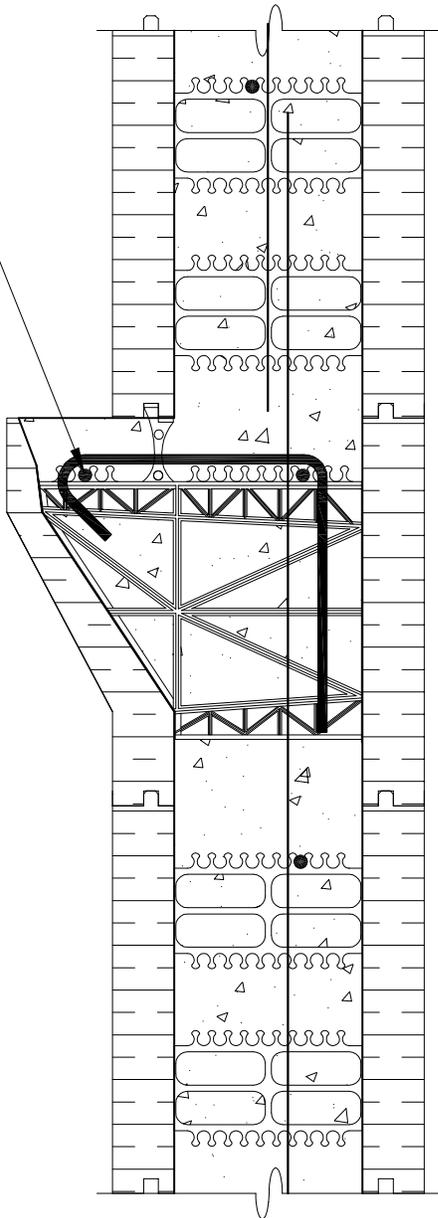
SCALE NTS

DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No.	REV.

S.6.8

BRICK LEDGE
FACTORED DESIGN
LOAD: 16 KN/m

1-10M CONT. EXTRA
IN BRICK LEDGE



10M @
203 mm
(8") o.c.

- NOTES:**
1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.
 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



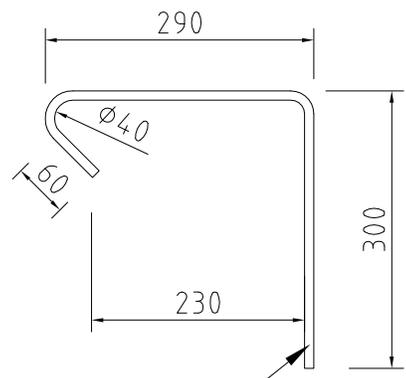
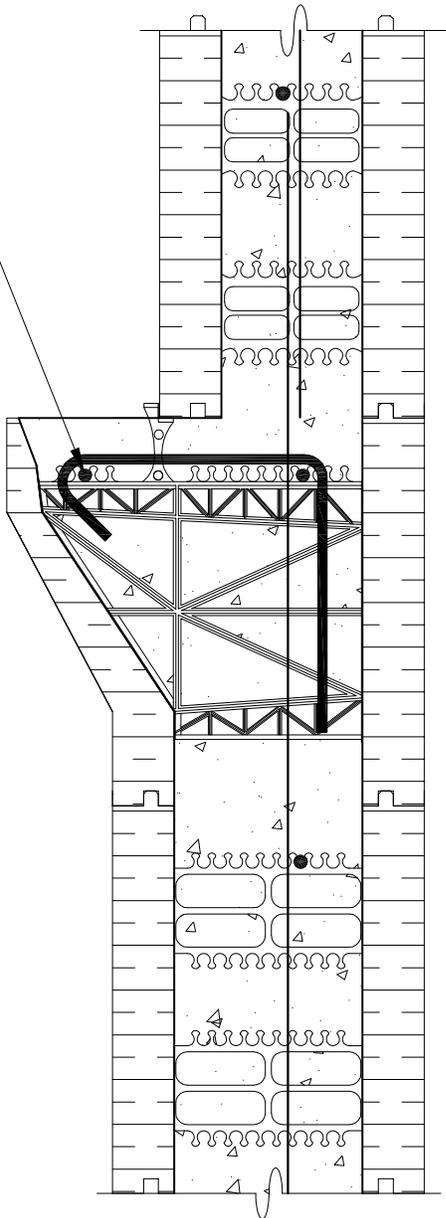
PLANT OR PROJECT: 8" ADVANTAGE ICF SYSTEM

BRICK LEDGE DETAIL
8" TO 8" WALLS

SCALE: NTS	
DESIGN: G DOREN	DATE: JULY, 09
DRAWN: L XIE	DATE: JULY, 09
CHECKED: J WHALEN	DATE: JULY, 09
DRAWING No. S.7.8	REV.

BRICK LEDGE
FACTORED DESIGN
LOAD: 16 KN/m

1-10M CONT. EXTRA
IN BRICK LEDGE



10M @
203 mm
(8") o.c.

- NOTES:**
- 1. DETAIL TO BE USED IN CONJUNCTION WITH ADVANTAGE ICF SYSTEM TECHNICAL & INSTALLATION MANUAL.**
 - 2. HORIZONTAL AND VERTICAL REBAR OVERLAP TO BE 450 mm (18") FOR 10M AND 650 mm (26") FOR 15M.**

No.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD



PLANT OR PROJECT 8" ADVANTAGE ICF SYSTEM

BRICK LEDGE DETAIL
8" TO 6" WALLS

SCALE NTS	
DESIGN G DOREN	DATE JULY, 09
DRAWN L XIE	DATE JULY, 09
CHECKED J WHALEN	DATE JULY, 09
DRAWING No. S.7.8A	REV.

Advantage ICF System Specifications

General Product Description

EPS Insulation:	Complies with CAN/ULC-S701, Type 2 and ASTM C578, Type II Contains no CFCs, HCFCs, HFCs or formaldehyde. ECP-Certified Insulation
Concrete:	20 MPa (2900 psi) at 28 days Nominal thickness 152-mm (6") or 203-mm (8")
Sound Transmission:	STC Rating 50
Fire Resistance Rating:	3-hour rating for 152-mm (6") or 4-hour 203-mm (8") concrete wall per National Building Code of Canada 2005, Table D-2.1.1.
Air & Vapour Barrier:	Provided by combination of monolithic concrete thickness and EPS insulation.
Code Evaluation Reports:	CCMC 13101-R (Canada) and ICC-ES ESR-1578 (USA)



Energy Efficiency - Typical Effective Thermal Resistance (R-Value):

Below Grade: Advantage ICF System @ R-22.7 (RSI - 3.99)

Note: R-Value based upon typical construction with 1/2" (127 mm) gypsum board on interior face.

Above Grade: Advantage ICF System @ R-23.5 (RSI - 4.14)

Note: R-Value based upon typical construction with 1/2" (127 mm) gypsum board on interior face and vinyl or metal siding on exterior face.

Contact Information

Contact **Plasti-Fab**® Ltd.
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