



STUBBE'S
PRECAST

HOLLOWCORE

INFORMATION GUIDE



FAMILY OWNED.
PROFESSIONALLY RUN.

Hollowcore



- 8", 10", 12", 14" thickness
- 5,000- 7,000 sq. ft. installed in one day
- Provides an instant working deck for other trades
- Storage in yard waiting for transport
- Spans 50 feet plus
- Continuous installation minimizing down time on site for other trades
- Proper co-ordination and quick installation allows for a fast- paced construction site

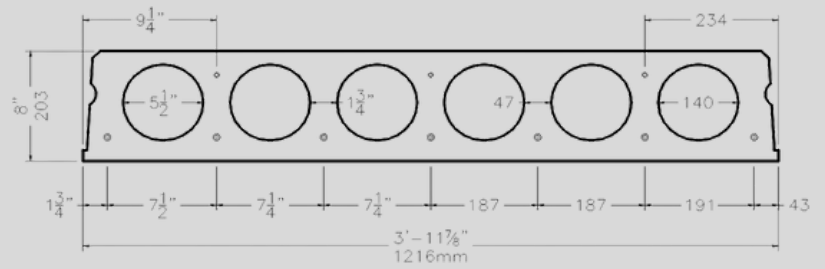


Explanation of Hollowcore Load Tables

- Superimposed loading shown in tables is **factored**.
- A portion of the safe load shown is assumed to be a dead load for the purpose of applying load factors and determining time-dependent cambers and deflections.
2.4 kPa of the applied load is unfactored superimposed dead load.
- Self-weight of the hollowcore slabs is already considered; it does not need to be added as part of the applied loading noted. Note that toppings are an applied load and should be considered when calculating the Total Factored Uniformly Distributed Load.
- The load combination below is assumed to give the highest factored load in the majority of cases.
 - Load factors: $1.25DL + 1.5LL$
- Hollowcore capacities are based on simple spans, measured center-to-center of bearing, with a bearing length of 60 mm.
- Size and location of opening reduce hollowcore capacity, see Stubbe's Precast Standard Coring Rules for more information.
- Prestressing strands shown in load table are required to resist the respective gravity loads only. Contact Stubbe's Precast Engineering if prestressing strand must be utilized in lateral load analysis.

Hollowcore- 8" (203 mm) Load Tables

Hollow Core Slab Properties			
Prop	Imperial		Metric
A	233.65 in ²		150742 mm ²
I _x	1727 in ⁴		7.23x10 ⁸ mm ⁴
Y _b	3.98 in		101.0 mm
b _w	13 in		353.0 mm
f _{pu}	270 ksi		1860 Mpa
f _c	7000 psi		48.3 Mpa
f _{cl,min}	3000 psi		20.7 Mpa
S _w	62 psf		2.97 kPa



METRIC

203 mm Hollowcore Metric Load Table- Total Factored Uniformly Distributed Applied Load- kPa (kN/m²)

1/2" Strands	M _t (kNm)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (m)																
		3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11
7	157.9									11.55	10.05	9.60	8.10	7.80	7.20	5.85	4.50	3.30
	138.7						12.90	11.25	9.90	9.30	7.95	7.50	6.45	6.15	5.85	5.10	4.20	3.15
5	118.2					11.25	9.90	8.85	7.95	7.20	6.00	5.70	4.95	4.50	4.20	4.05		
	96.7			11.25	9.90	7.95	7.35	6.15	5.55	4.80	4.20	3.45						
4	96.7			11.25	9.90	7.95	7.35	6.15	5.55	4.80	4.20	3.45						
	74.1		17.10	14.40	12.30	10.35	8.10	6.30	4.80									
3	74.1		17.10	14.40	12.30	10.35	8.10	6.30	4.80									
	50.6	17.85	13.20	10.20	7.95	6.00	4.35											

IMPERIAL

8" Hollowcore Imperial Load Table- Total Factored Uniformly Distributed Applied Load- psf (lb/ft²)

1/2" Strands	M _t (kipft)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (ft)																
		9.843	11.48	13.12	14.76	16.4	18.04	19.69	21.33	22.97	24.61	26.25	27.89	29.53	31.17	32.81	34.45	36.09
7	116.46									241.2	209.9	200.5	169.2	162.9	150.4	122.2	94.0	68.9
	102.30						269.4	235.0	206.8	194.2	166.0	156.6	134.7	128.4	122.2	106.5	87.7	65.8
5	87.18					235.0	206.8	184.8	166.0	150.4	125.3	119.0	103.4	94.0	87.7	84.6		
	71.33				206.8	166.0	153.5	128.4	115.9	100.2	87.7	72.1						
4	71.33			235.0	206.8	166.0	153.5	128.4	115.9	100.2	87.7	72.1						
	54.63		357.1	300.7	256.9	216.2	169.2	131.6	100.2									
3	54.63		357.1	300.7	256.9	216.2	169.2	131.6	100.2									
	37.30	372.8	275.7	213.0	166.0	125.3	90.9											

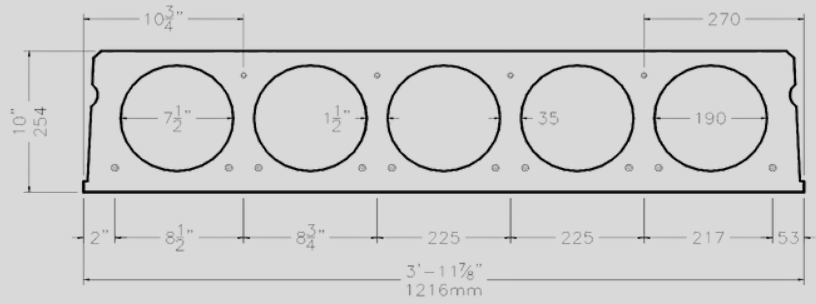


- NO CORING

- CORING PERMITTED PER STUBBES PRECAST CORING RULES

Hollowcore- 10" (254 mm) Load Tables

Hollow Core Slab Properties		
Prop	Imperial	Metric
A	253.81 in ²	163748 mm ²
I _x	3148.0 in ⁴	1.32x10 ⁹ mm ⁴
Y _b	4.96 in	126.0 mm
b _w	9.31 in	288.8 mm
f _{pu}	270 ksi	1860 Mpa
f _c	7000 psi	48.3 Mpa
f _{ci,min}	3000 psi	20.7 Mpa
S _w	70 psf	3.35 kPa



METRIC

254 mm Hollowcore Metric Load Table- Total Factored Uniformly Distributed Applied Load- kPa (kN/m²)

1/2" Strands	M _r (kNm)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (m)																				
		4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	
10	287.7												13.65	13.20	12.60	10.80	10.05	8.40	7.05	5.70	4.65	3.60
	243.1									12.45	12.00	10.20	9.90	9.45	9.15	7.65	7.35	7.05	6.45	5.25	4.20	
8	243.1									12.45	12.00	10.20	9.90	9.45	9.15	7.65	7.35	7.05	6.45	5.25	4.20	
	189.2				13.35	11.85	10.20	9.75	8.10	7.95	6.60	6.30	6.00	5.85	4.65	4.50	4.35	4.20	3.90			
6	189.2				13.35	11.85	10.20	9.75	8.10	7.95	6.60	6.30	6.00	5.85	4.65	4.50	4.35	4.20	3.90			
	160.3		13.80	12.00	10.50	9.00	8.25	7.35	6.60	6.00	5.10	4.65	4.35	4.20								
4	130.3	14.10	12.00	10.20	8.85	7.65	6.75	5.85	5.25	4.65	4.05	3.60										
	99.7	14.10	12.00	10.20	8.85	7.65	6.75	5.85	4.50	3.45												

IMPERIAL

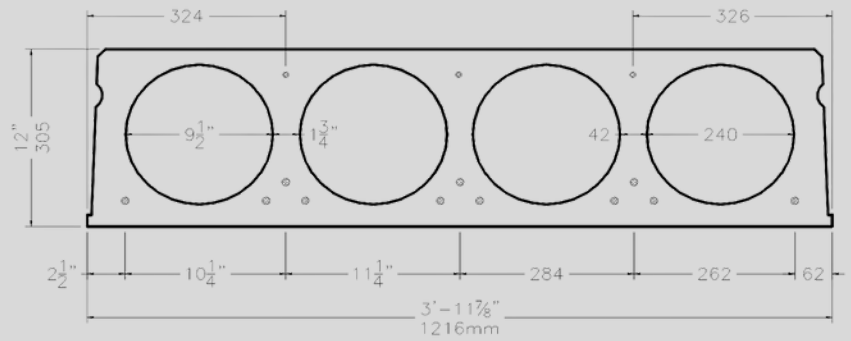
10" Hollowcore Imperial Load Table- Total Factored Uniformly Distributed Applied Load- psf (lb/ft²)

1/2" Strands	M _r (kipft)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (ft)																				
		13.1	14.8	16.4	18	19.7	21.3	23	24.6	26.2	27.9	29.5	31.2	32.8	34.4	36.1	37.7	39.4	41	42.7	44.3	
10	212.20												285.1	275.7	263.2	225.6	209.9	175.4	147.2	119.0	97.1	75.2
	179.30								260.0	250.6	213.0	206.8	197.4	191.1	159.8	153.5	147.2	134.7	109.6	87.7		
8	179.30								260.0	250.6	213.0	206.8	197.4	191.1	159.8	153.5	147.2	134.7	109.6	87.7		
	139.55				278.8	247.5	213.0	203.6	169.2	166.0	137.8	131.6	125.3	122.2	97.1	94.0	90.9	87.7	81.5			
6	139.55				278.8	247.5	213.0	203.6	169.2	166.0	137.8	131.6	125.3	122.2	97.1	94.0	90.9	87.7	81.5			
	118.23		288.2	250.6	219.3	188.0	172.3	153.5	137.8	125.3	106.5	97.1	90.9	87.7								
4	96.10	294.5	250.6	213.0	184.8	159.8	141.0	122.2	109.6	97.1	84.6	75.2										
	73.53	294.5	250.6	213.0	184.8	159.8	141.0	122.2	94.0	72.1												

- NO CORING
- CORING PERMITTED PER STUBBES PRECAST CORING RULES

Hollowcore- 12" (305 mm) Load Tables

Hollow Core Slab Properties		
Prop	Imperial	Metric
A	296.36 in ²	191199 mm ²
I _x	5300 in ⁴	2.21x10 ⁹ mm ⁴
Y _b	5.95 in	151.1 mm
b _w	9 in	299.0 mm
f _{pu}	270 ksi	1860 Mpa
f _c	7000 psi	48.3 Mpa
f _{ci,min}	3000 psi	20.7 Mpa
S _w	82 psf	3.93 kPa



METRIC

305 mm Hollowcore Metric Load Table- Total Factored Uniformly Distributed Applied Load- kPa (kN/m²)

1/2" - 3/5" Strands	M _r (kN·m)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING(m)																					
		5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16
2-6	390.3							12.30	11.85	11.55	11.10	9.15	8.85	8.55	8.40	8.10	6.30	6.15	6.00	5.85	5.10	4.05	3.37
5-3	352.3						13.05	11.10	10.80	10.35	9.90	8.25	7.80	7.65	7.50	7.35	5.55	5.40	5.25	5.10	4.80	3.75	
8-0	310.9					12.45	12.00	10.05	9.60	9.30	9.00	7.20	7.05	6.75	6.60	6.45	4.95	7.80	4.65	4.50	4.35		
6-0	239.7	13.50	11.85	10.20	9.45	8.10	7.65	6.30	6.15	5.85	5.55	4.35	4.20	3.90	3.75	3.60							

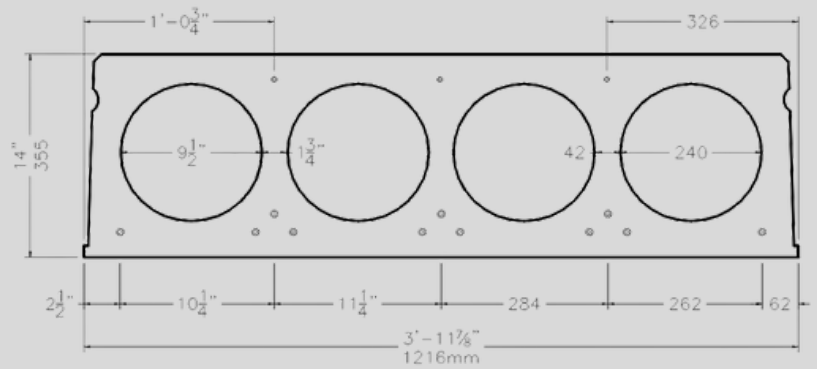
IMPERIAL

12" Hollowcore Imperial Load Table- Total Factored Uniformly Distributed Applied Load- psf (lb/ft²)

1/2" - 3/5" Strands	M _r (kN·m)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING(m)																							
		18	19.7	21.3	23	24.6	26.2	27.9	29.5	31.2	32.8	34.4	36.1	37.7	39.4	41	42.7	44.3	45.9	47.6	49.2	50.9	52.5		
2-6	287.87							256.9	247.5	241.2	231.8	191.1	184.8	178.6	175.4	169.2	131.6	128.4	125.3	122.2	106.5	84.6	70.4		
5-3	259.84						272.6	231.8	225.6	216.2	206.8	172.3	162.9	159.8	156.6	153.5	115.9	112.8	109.6	106.5	100.2	78.3			
8-0	229.31					260.0	250.6	209.9	200.5	194.2	188.0	150.4	147.2	141.0	137.8	134.7	103.4	100.2	97.1	94.0	90.9				
6-0	176.79	282.0	247.5	213.0	197.4	169.2	159.8	131.6	128.4	122.2	115.9	90.9	87.7	81.5	78.3	75.2									

Hollowcore- 14" (356 mm) Load Tables

Hollow Core Slab Properties		
Prop	Imperial	Metric
A	367.36 in ²	237006 mm ²
I _x	8728 in ⁴	3.59x10 ⁹ mm ⁴
Y _b	6.85 in	174.0 mm
b _w	12.375 in	369.6 mm
f _{pu}	270 ksi	1860 Mpa
f _c	7000 psi	48.3 Mpa
f _{ci,min}	3000 psi	20.7 Mpa
S _w	101 psf	4.84 kPa



METRIC

356 mm Hollowcore Metric Load Table- Total Factored Uniformly Distributed Applied Load- kPa (kN/m²)

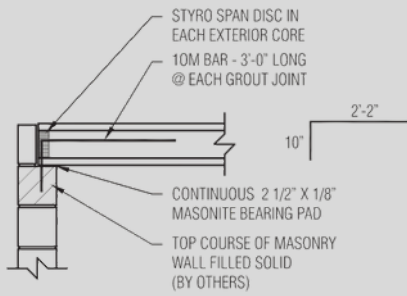
1/2" - 3/5" Strands	M _r (kNm)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (m)																			
		9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5
4-9	654.9											13.35	13.05	11.55	9.90	8.55	7.35	6.30	5.40	4.50	3.75
13-0	570.0							13.35	12.90	10.35	10.05	9.90	9.75	9.45	9.00	7.80	6.60	5.55	4.65	3.90	
11-0	500.2			13.20	11.10	10.80	10.50	10.20	10.05	7.65	7.50	7.35	7.20	7.05	6.90	6.60	6.15	4.35	4.20	3.45	
9-0	420.6	10.95	10.35	9.75	8.10	7.80	7.50	7.20	7.05	5.25	5.10	4.95	4.80	4.65	4.50	4.35	4.20				
7-0	334.7	7.20	6.75	6.45	5.10	4.80	4.65	4.50	4.35												

IMPERIAL

14" Hollowcore Imperial Load Table- Total Factored Uniformly Distributed Applied Load- psf (lb/ft²)

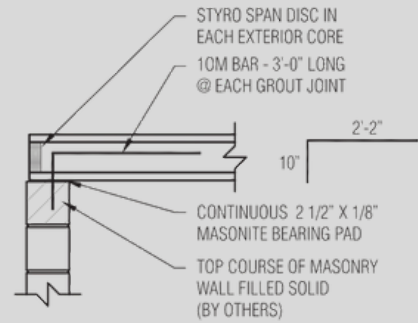
1/2" - 3/5" Strands	M _r (kip ft)	SIMPLE SPAN - CENTRE TO CENTRE OF BEARING (ft)																				
		29.5	31.2	32.8	34.4	36.1	37.7	39.4	41	42.7	44.3	45.9	47.6	49.2	50.9	52.5	54.1	55.8	57.4	59.1	60.7	
4-9	483.03												278.8	272.6	241.2	206.8	178.6	153.5	131.6	112.8	94.0	78.3
13-0	420.41							278.8	269.4	216.2	209.9	206.8	203.6	197.4	188.0	162.9	137.8	115.9	97.1	81.5		
11-0	368.93			275.7	231.8	225.6	219.3	213.0	209.9	159.8	156.6	153.5	150.4	147.2	144.1	137.8	128.4	90.9	87.7	72.1		
9-0	310.22	228.7	216.2	203.6	169.2	162.9	156.6	150.4	147.2	109.6	106.5	103.4	100.2	97.1	94.0	90.9	87.7					
7-0	246.86	150.4	141.0	134.7	106.5	100.2	97.1	94.0	90.9													

Hollowcore- Connections to Masonry Walls

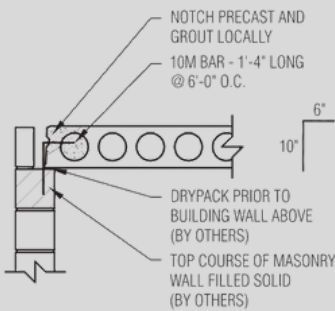


NOTE: MIN 3 1/2" END BEARING

MM1 End Bearing- Half

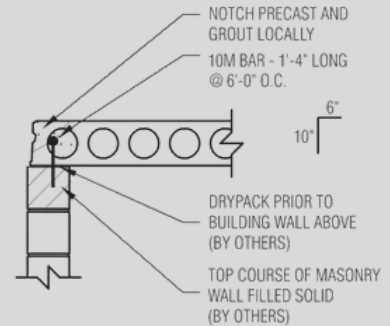


MM2 End Bearing- Full



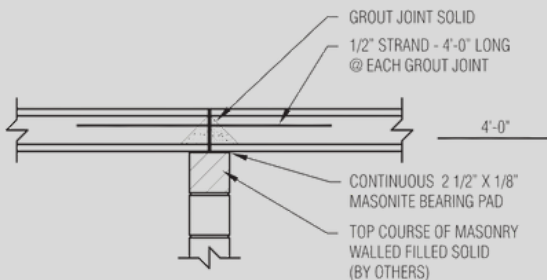
NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

MM3 Side Bearing- Half



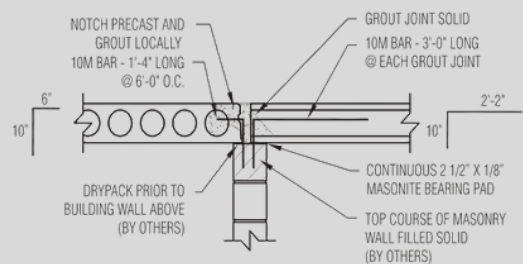
NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

MM4 Side Bearing- Full



NOTE: MIN 3 1/2" END BEARING

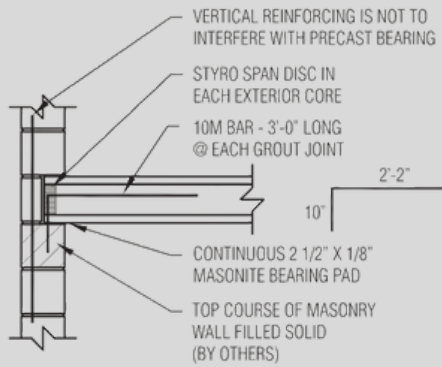
MM5 End to End Bearing



NOTE: MIN 3 1/2" END BEARING

MM6 End to Side Bearing

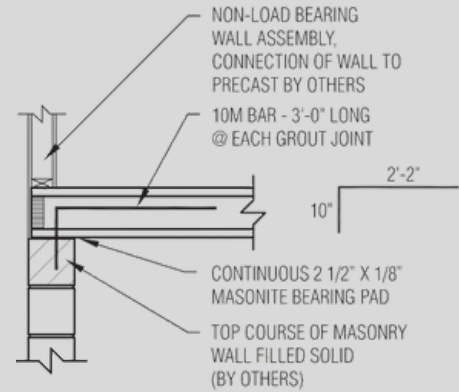
Hollowcore- Connections to Masonry Walls



NOTE: MIN 3 1/2" [89] END BEARING

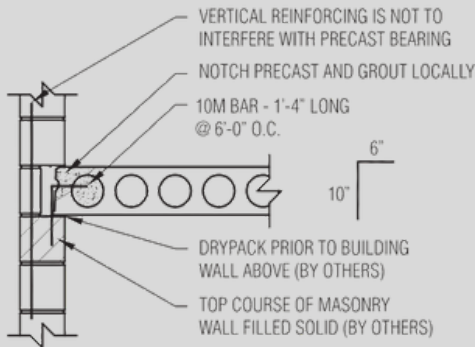
MM7

End Bearing- Half



MM8

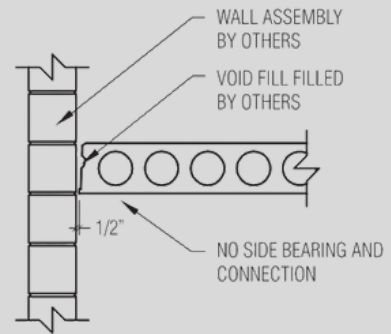
End Bearing- Full



NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

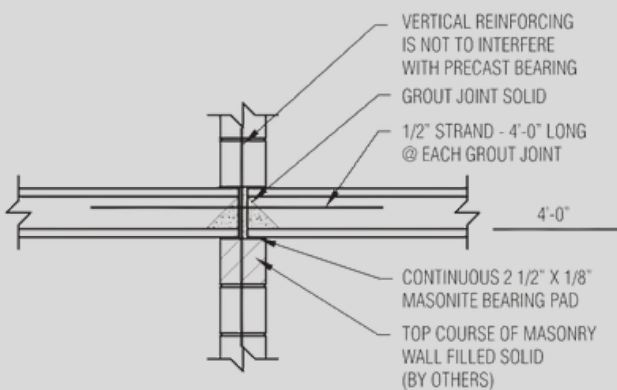
MM9

Side Bearing- Half

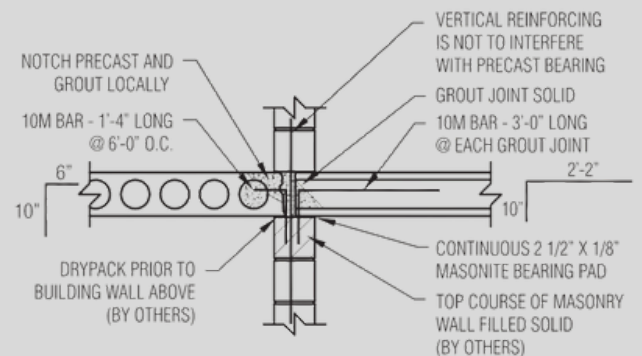


MM10

No Side Bearing



NOTE: MIN 3 1/2" END BEARING



NOTE: MIN 3 1/2" END BEARING

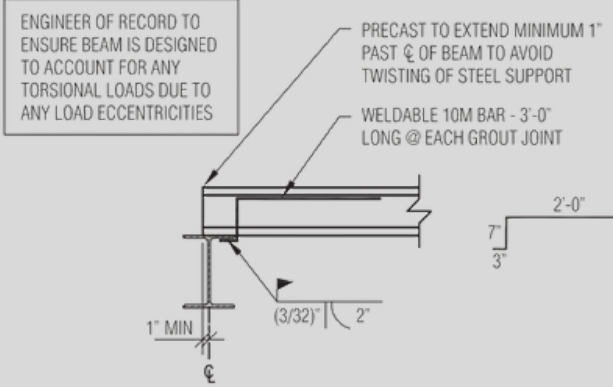
MM11

End to End Bearing

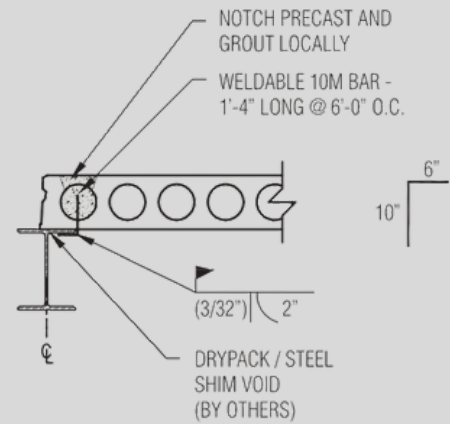
MM12

End to Side Bearing

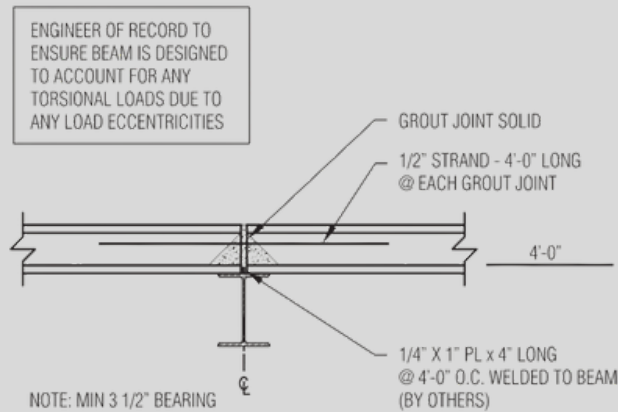
Hollowcore- Connections to Structural Steel



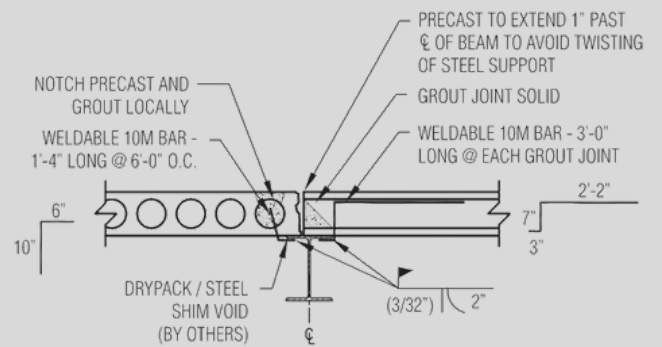
ST1 End Bearing



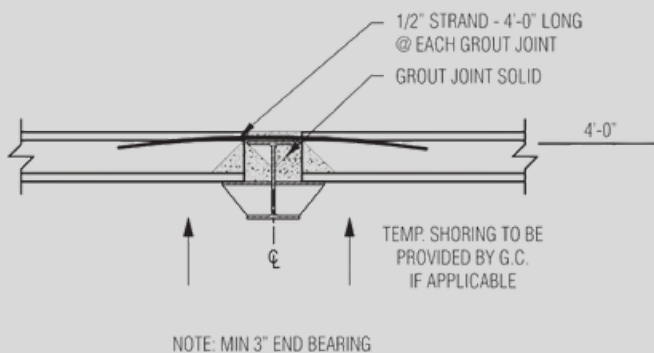
ST2 Side Bearing



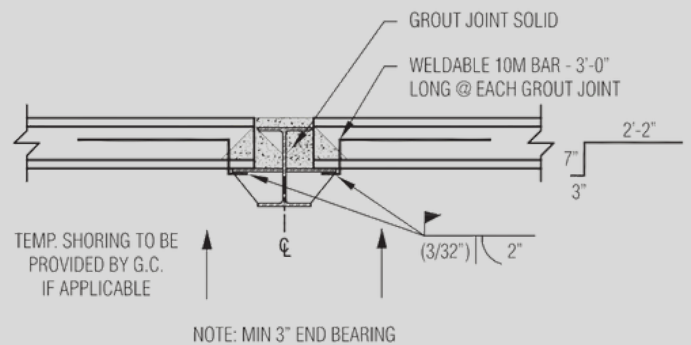
ST3 End to End Bearing



ST4 End to Side Bearing

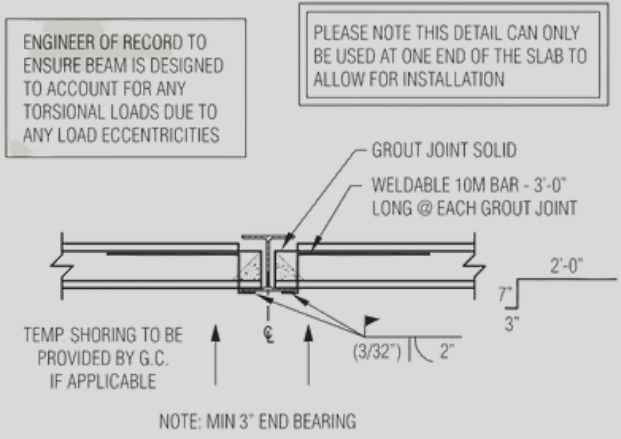


ST5 End to End Bearing- Recessed Beam

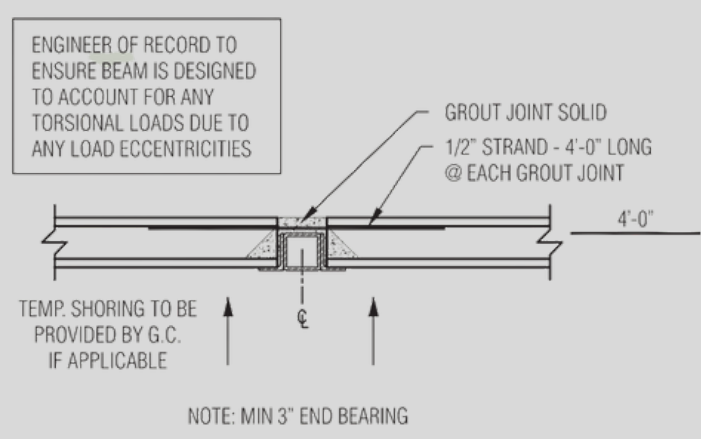


ST6 End to End Bearing- Recessed Beam

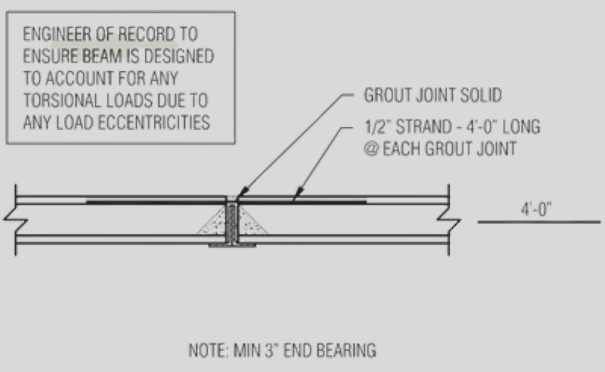
Hollowcore- Connections to Structural Steel



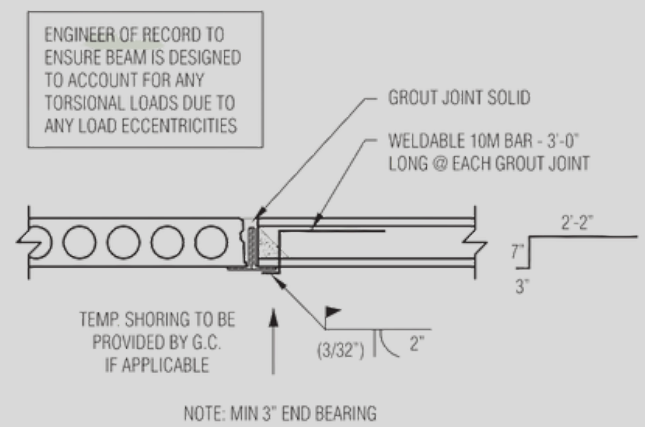
ST7 End to End Bearing- Inside Beam



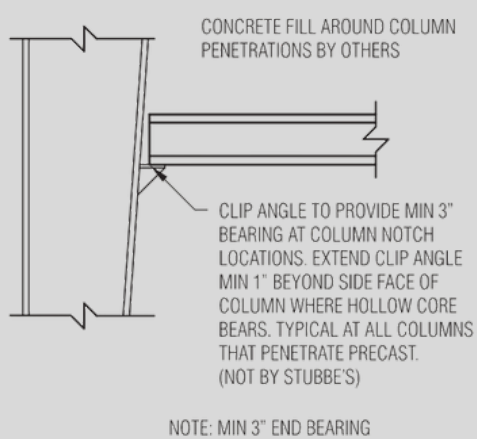
ST8 End to End Bearing-HSS w/ Angles



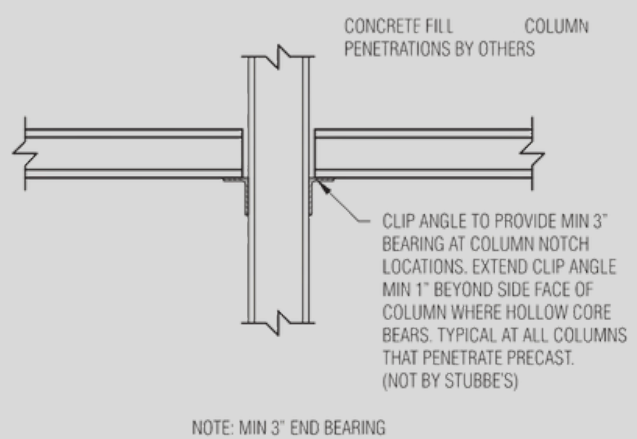
ST9 End to End Bearing-Back to Back Angles



ST10 End to Side Bearing-Back to Back Angles

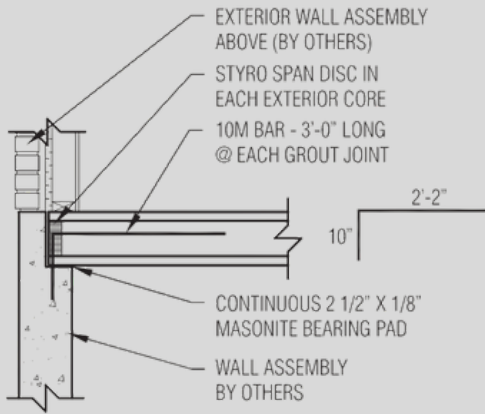


ST11 Clip Angle at Tapered Column Penetration



ST12 Clip Angles at Column Penetration

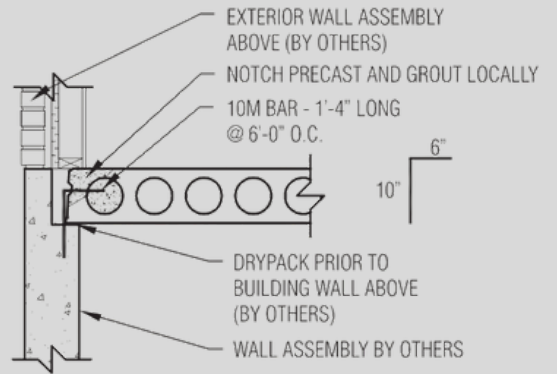
Hollowcore- Connections to Poured Concrete



NOTE: 4" LEDGE w/MIN 3 1/2" END BEARING

PW1

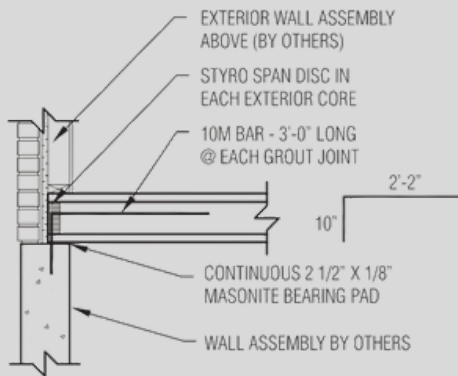
End Bearing- Half On Step Wall



NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

PW2

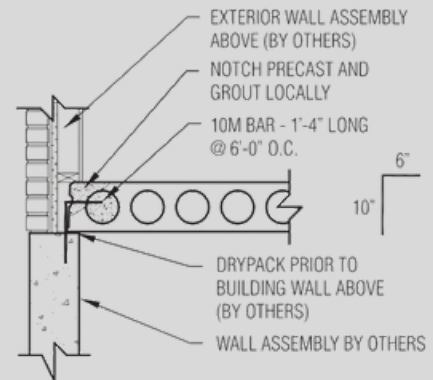
Side Bearing- Half on Step Wall



NOTE: MIN 3 1/2" END BEARING

PW3

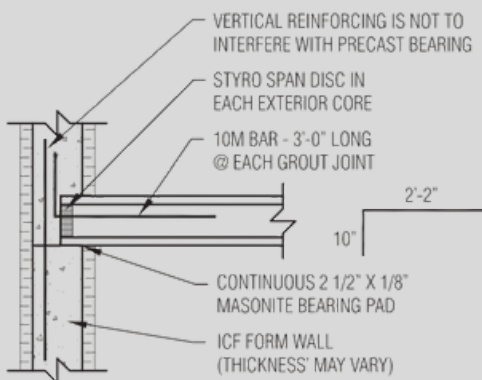
End Bearing- Half



NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

PW4

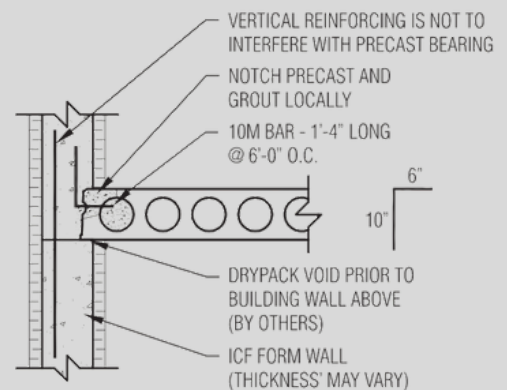
Side Bearing- Half



NOTE: MIN 3 1/2" END BEARING ON CONCRETE

PW5

End Bearing- Half

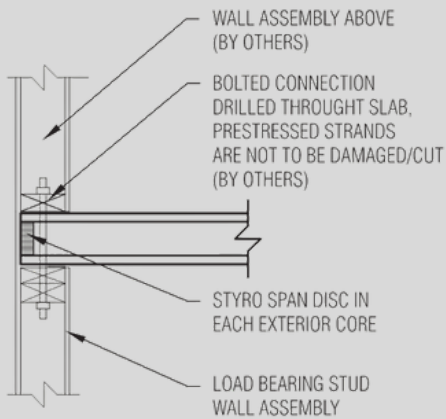


NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

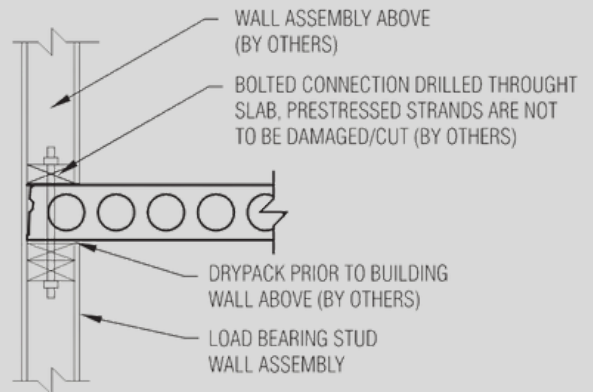
PW6

Side Bearing- Half

Hollowcore- Connections to Structural Wood & Metal Studs

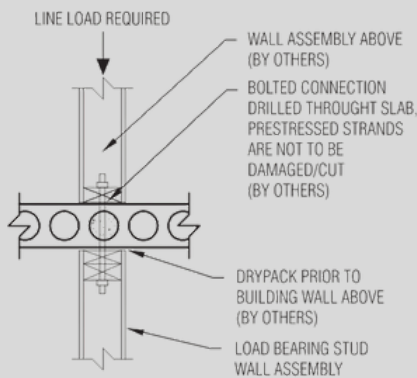


WD1 End Bearing- Full on Wood Studs

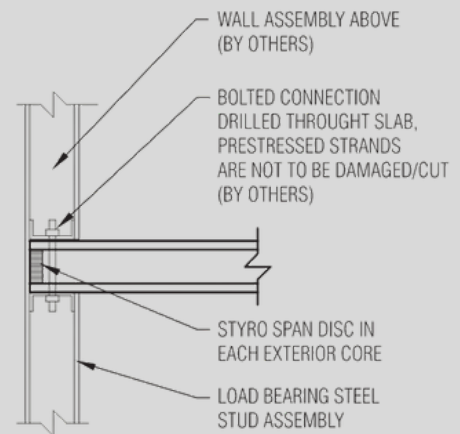


NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

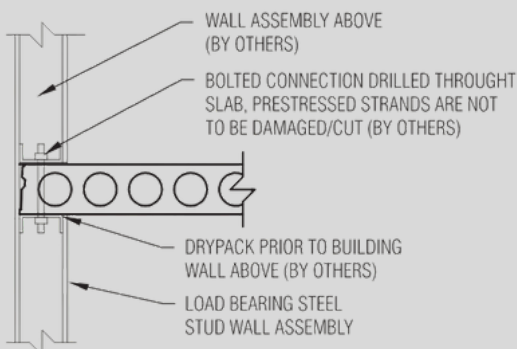
WD2 Side Bearing- Full on Wood Studs



WD3 Interior Wall Connection- Wood Studs

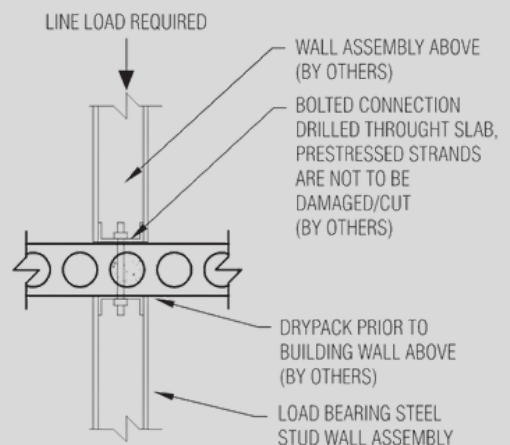


MTL1 End Bearing- Full on Steel Studs



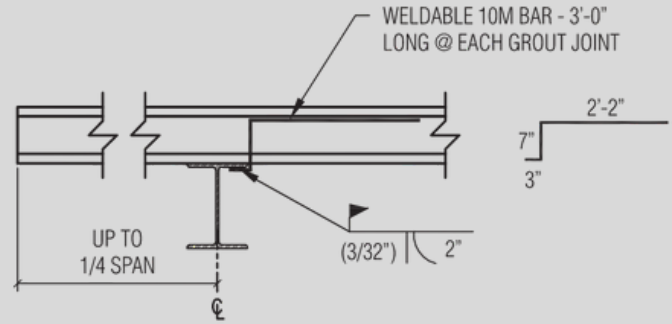
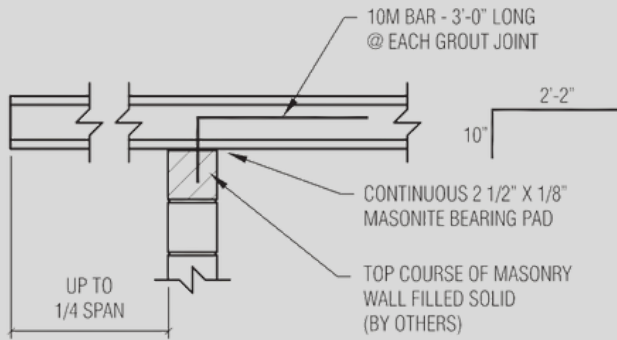
NOTE: SIDE BEARING NOT REQUIRED BUT MAY BE USED TO PROVIDE LATERAL SUPPORT TO WALLS

MTL2 Side Bearing- Full on Steel Studs



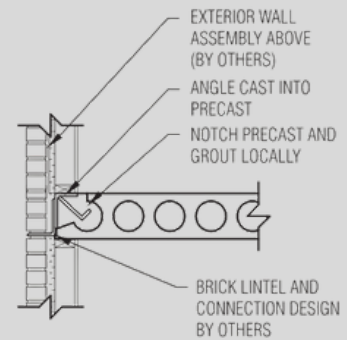
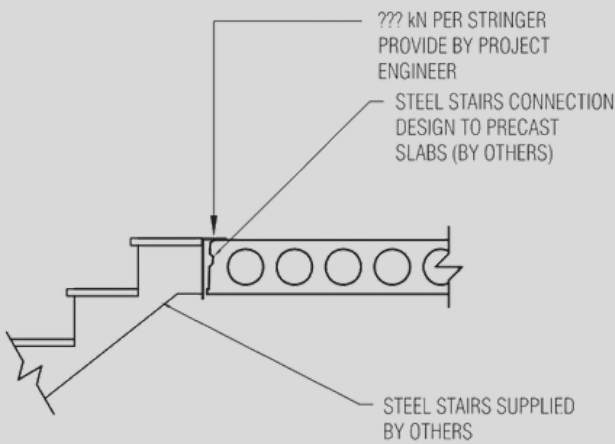
MTL3 Interior Wall Connection- Steel Studs

Hollowcore- Miscellaneous Connections Details



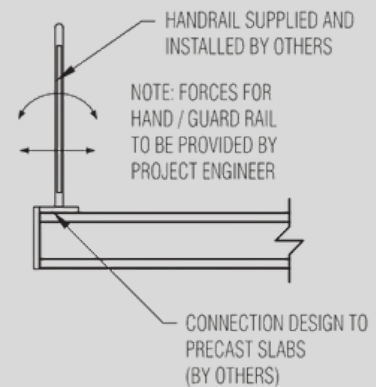
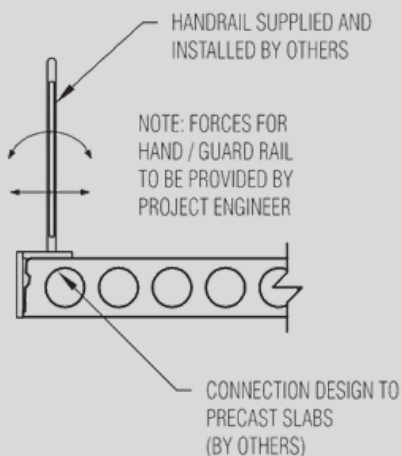
Misc 1 Cantilever Over Masonry Walls

Misc 2 Cantilever Over Steel Beams



Misc 3 Stair Connection

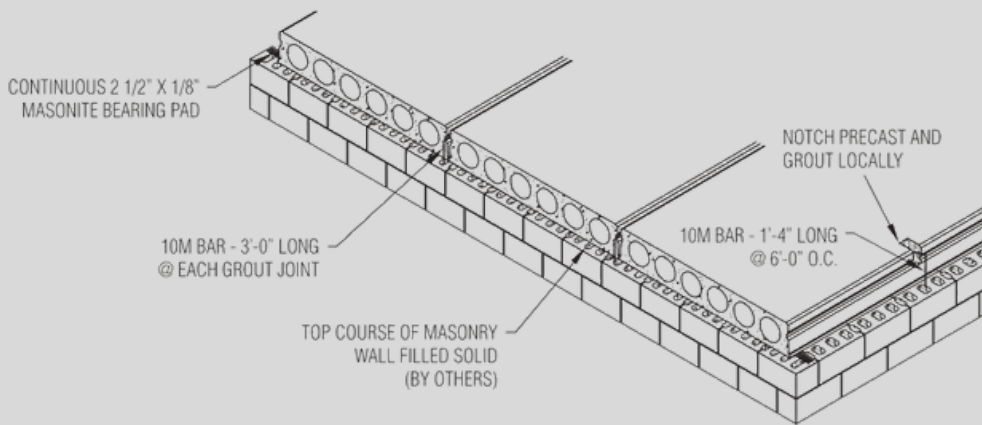
Misc 4 Hollowcore with Cast-in Angle Cross Section



Misc 5 Handrail Connection to Hollowcore

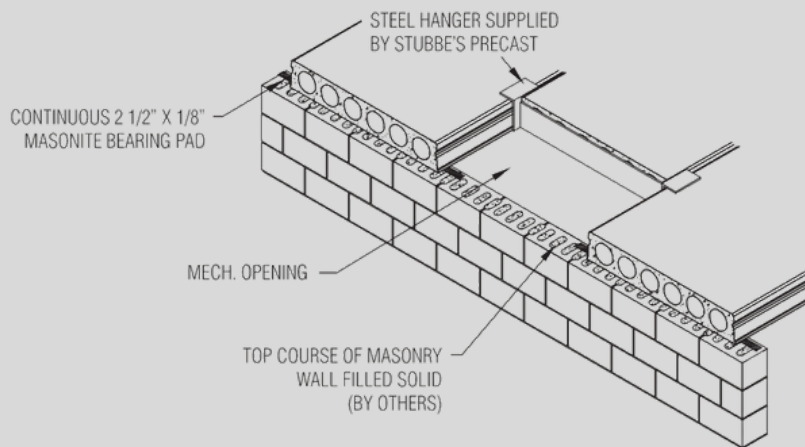
Misc 6 Handrail Connection to Hollowcore

Hollowcore- Miscellaneous Connections Details



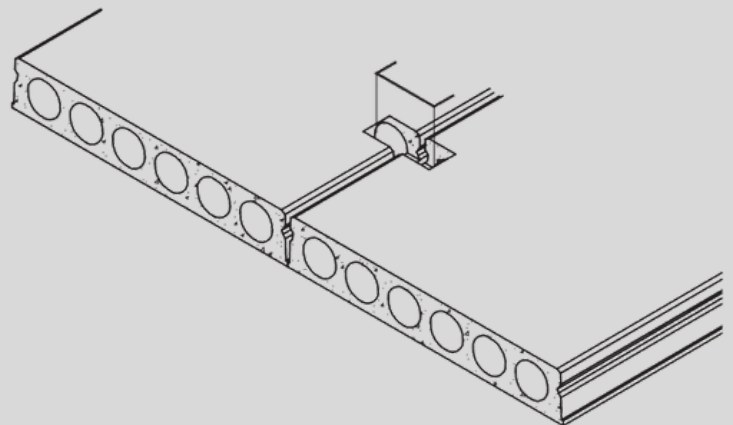
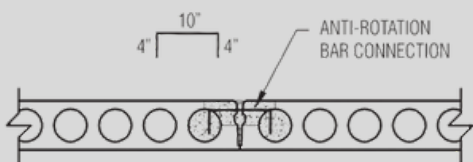
Misc 7

End Bearing Connection



Misc 8

Hanger Detail



NOTE: LOCATION AND SPACING OF ANTI-ROTATION BARS WILL DEPEND ON SPECIFIED LOADS, FLOOR FINISHES, SPANS AND DIAPHRAM LOADING REQUIREMENTS

Misc 9

Anti-rotation Connection

Hollowcore Technical Stats

FIRE RATING

The National Building Code (N.B.C.) requires the following factors in achieving a 2-hour fire rating for the precast hollowcore slabs:

A) Table 2.2.A, subsection from sentence 2.2.1 (1) indicates a minimal thickness of 124 mm of equivalent thickness is required as a specification under subsection 1.6 of the N.B.C. The equivalent thickness of the 200 mm (8") hollowcore slab is 125 mm (therefore exceeding the 124 mm minimum).

B) Table 2.2.B subsection from sentence 2.2.1 (2) indicates a minimal concrete coverage of 39 mm over the reinforced strands is required. The precast extrusion machine provides the minimal 39 mm coverage.

SOUND TRANSMISSION RATING

The CPCI Metric Design Manual (second edition) indicated the following standards for the 200 mm thick hollowcore slabs:

A) The sound Transmission Rating (STC) is 50.

B) Impact Insulation Class (IIC) is 28. Floor covering and finishes can increase the ratings (see the CPCI manual for additional information).

WARRANTY

Stubbe's Precast will guarantee the precast hollowcore will be free of any defects occurred from standard usage. The precast is C.S.A. approved and is manufactured using the standard practices.

Upon substantial completion of the project the guarantee is in effect for one (1) year.

Hollowcore Specifications

1. General:

- a. Included:
 - i. Precast hollowcore floor and roof slabs.
 - ii. Rebar connections
 - iii. Grouting of slab joints.

2. Reference Material:

- a. CSA A23. 4-09: Precast Concrete Material and Construction.
- b. Precast Concrete Institute (PCI): Manual on Design of Connections for Precast.
- c. Precast Concrete Institute (PCI): Design Handbook- Precast & Prestressed Concrete.

3. Shop Drawings:

- a. Approval drawings will require a review by the Contractor & Design Firms under contract of each project.
Discrepancies, questions & verification of design is required and returned in writing prior to commencement of production.
- b. Production drawings will bear a signed and sealed Engineer stamp, slab locations, identification marks, connection details, dimensions, opening larger than 6" in size, loadings and other relative information.

4. Quality Assurance:

- a. Conformity to PCI manual on design of connection for Precast Prestressed Concrete, PCI Design Handbook - Precast & Prestressed Concrete, CSA A23 4.

5. Accessories:

- a. Bearing pads: 1/8" thick masonite hardboard, smooth side up.
- b. Styrofoam discs: 2" thick on exterior walls only if required.
- c. Hanger frames: Welded angles used to provide large mechanical openings through precast. Size and configuration varies with opening required.

6. Finishes:

- a. Top surface:
 - i. Extruded (standard surface from extruded method).
 - ii. Raked (roughened surface to allow improved bond with concrete topping supplied by others).
- b. Bottom surface:
 - i. "Standard" steel form finish.

7. Installation:

- a. Install slabs with corresponding identification marks as indicated on production/ shop drawing.
- b. Place bearing pads and insert Styrofoam discs in cores where required.
- c. Drill or weld tie steel rebar connections as per production/ shop drawings.
- d. Grout joints between precast slabs.
- e. Drill holes for plumbing trade (located in field by others). Do not cut reinforcing strand unless engineered in the design.
- f. Latex caulking of joints between slabs on the underside where exposed to view.
- g. Floor preparation will vary depending on final flooring material and finish.

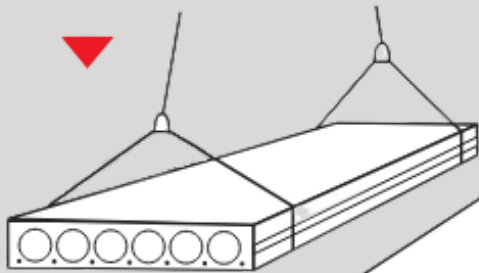
8. Excluded Items Related to Precast and Installation:


- a. Drypacking/ infill of gap between precast and structure.
- b. Perimeter caulking between precast and structure.
- c. Drilling of holes for electrical trade.
- d. Winter heat/ protection from weather conditions.
- e. Concrete topping if required in design.
- f. Clip angles around column penetrations through precast.
- g. Site/ field dimensions (Contractor and Project Designers responsible to provide information during shop drawing approval).

Stubbe's Precast/ Prestressed Concrete Hollowcore

RECOMMENDED PROCEDURES

Stubbe's hollowcore have no lifting loops and must be packed up with wire rope or sling chokers. Locate sling no more than 12" from the end. be sure all erecting equipment is sized by a competent rigger.

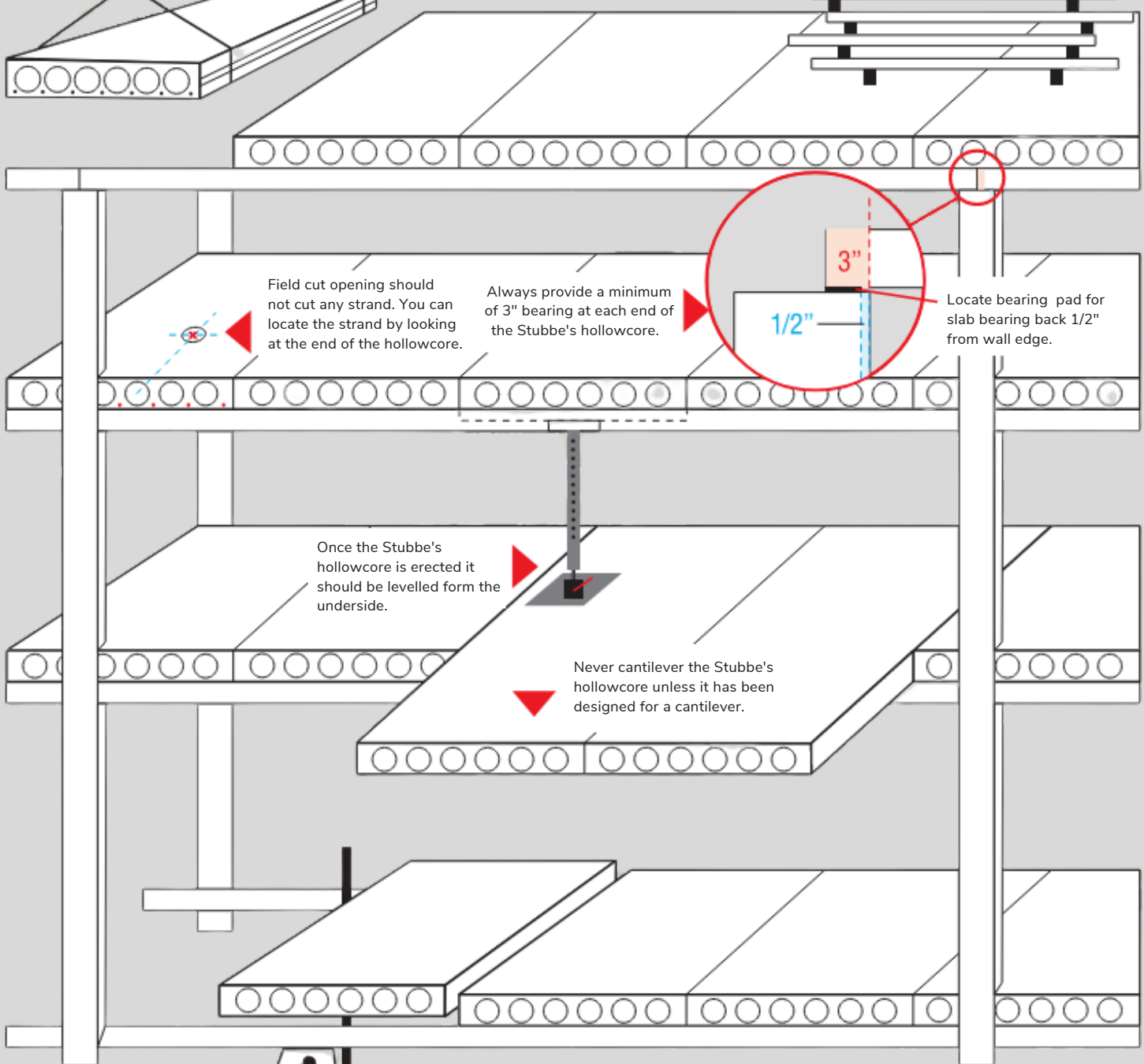
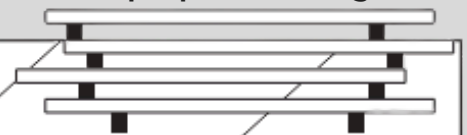


Stubbe's hollowcore must be stacked properly to avoid cracking. 

Proper Stacking



Improper Stacking



Field cut opening should not cut any strand. You can locate the strand by looking at the end of the hollowcore.

Always provide a minimum of 3" bearing at each end of the Stubbe's hollowcore.

Locate bearing pad for slab bearing back 1/2" from wall edge.

Once the Stubbe's hollowcore is erected it should be levelled from the underside.

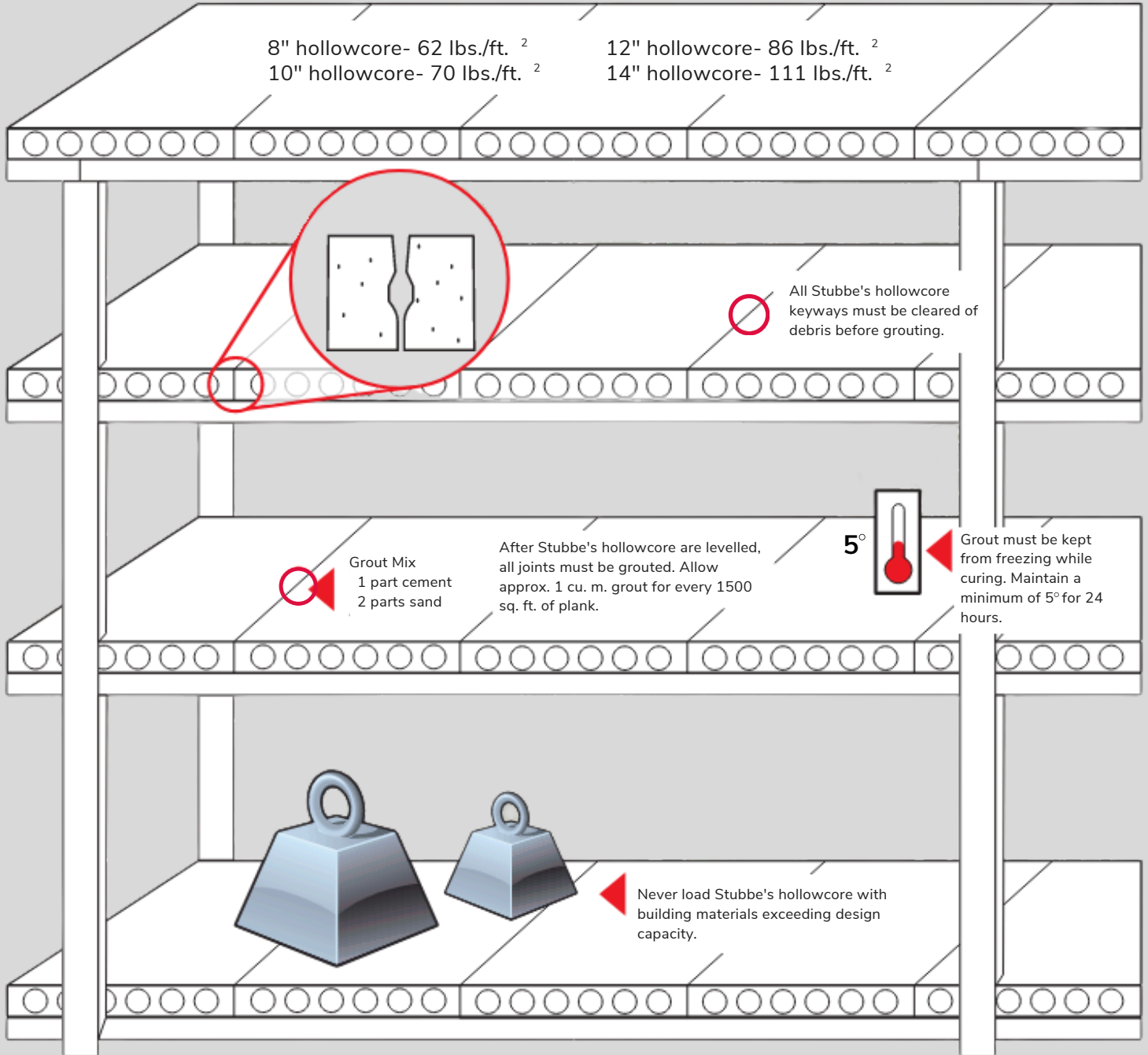
Never cantilever the Stubbe's hollowcore unless it has been designed for a cantilever.



Never install the Stubbe's hollowcore with a forklift unless it has been designed for that application.

Stubbe's Precast/ Prestressed Concrete Hollowcore

RECOMMENED PROCEDURES



For any questions or additional information contact Stubbe's Precast:

519-424-2183

estimating@stubbes.org

www.stubbes.org



Production takes place at three state-of-the-art manufacturing plants with over 340,000 square feet of indoor production and support facilities on over 175 acres in South Western Ontario.

A Family Company Built on Solid Values

Stubbe's was founded in 1982 by Herb Stubbe, when he designed and manufactured the first precast concrete hog feeders in Harley, Ontario. Over the years the company added multiple agricultural products including various types of bunk feeders, bunker silo walls and slats combined with structural posts and beams.

In 2001, Stubbe's entered the commercial and residential markets by introducing its hollowcore flooring system. This was followed by the introduction of structural wall panels in 2006. In 2010, Stubbe's added structural columns, beams and double tees to its product line. All these products are now combined to create Total Precast structures.



STUBBE'S
PRECAST

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