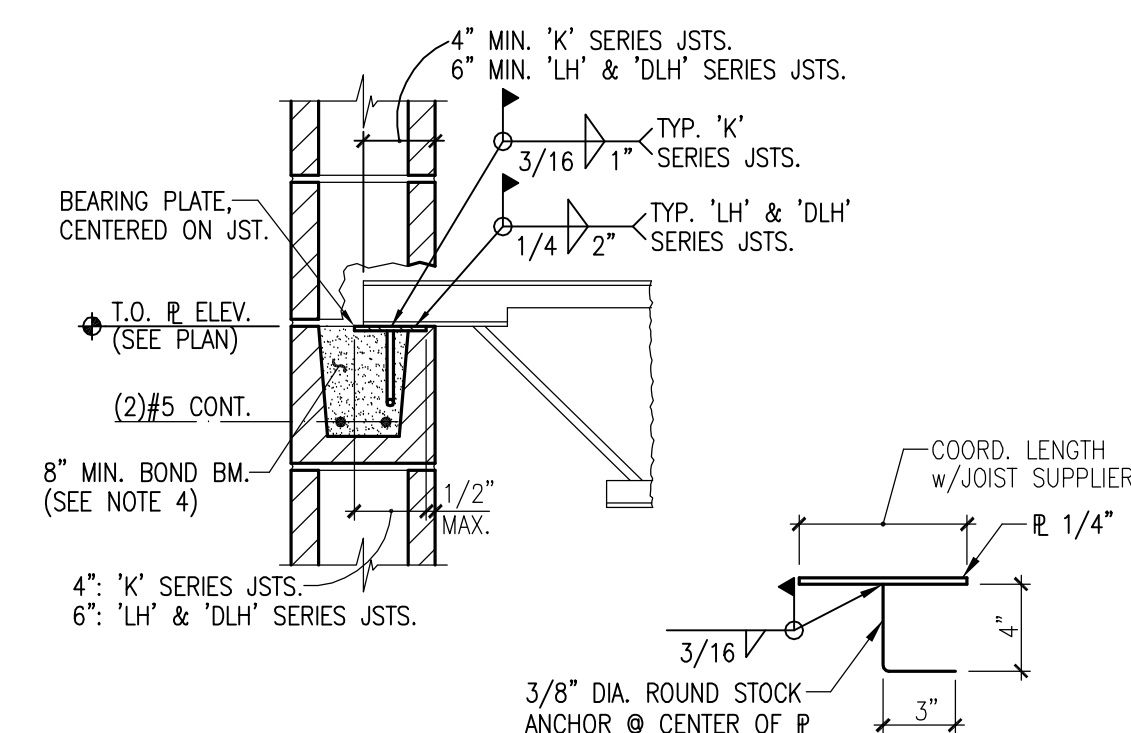


TYPICAL DETAIL - FRAMING AT DOOR OPENING
NOT TO SCALE

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INTENTIONALLY LEFT BLANK

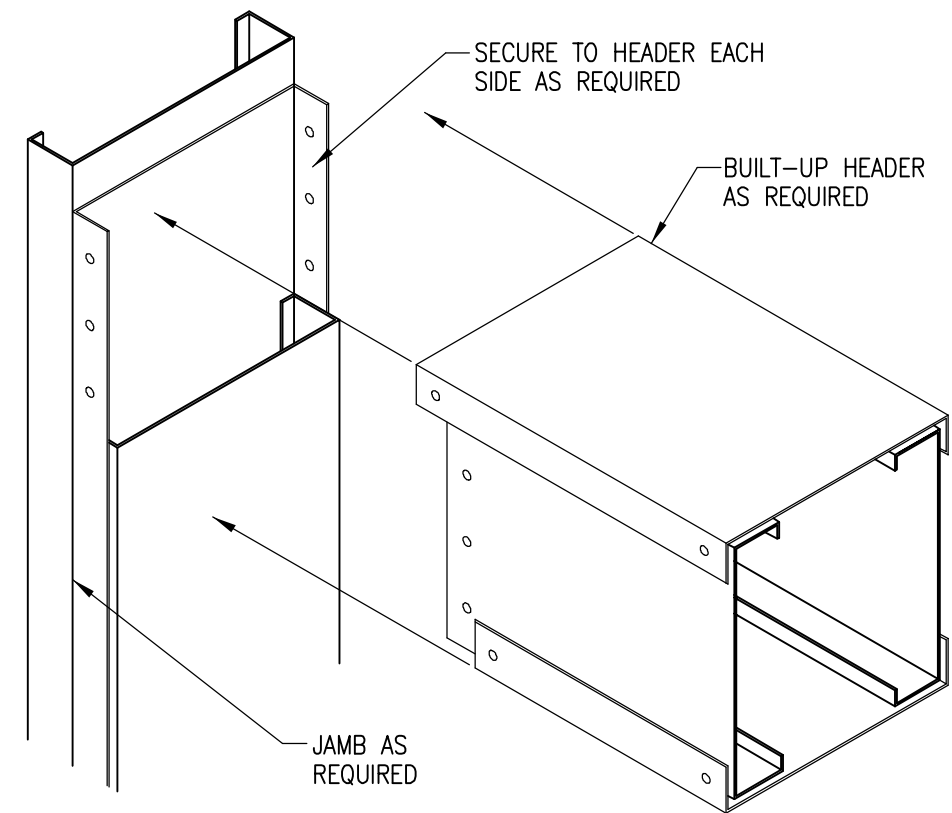


TYPICAL BAR JOIST BEARING IN MASONRY WALL
NOT TO SCALE

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NOTES:

- BOTTOM CHORD BEARING DETAILS ARE TO BE SIMILAR TO TOP CHORD DETAILS SHOWN.
- 'CS' & 'VS' JOIST BEARING DETAILS ARE TO BE SAME AS 'K' SERIES DETAILS.
- 'SH' SERIES BEARING DETAILS ARE NOT SHOWN HERE.
- WHERE JOIST BEARING ELEVATIONS ARE VARYING, SUCH AS AT ROOF JOISTS BEARING IN CURVED OR ANGLED WALLS OR WHERE JOISTS DO NOT BEAR AT EVEN COURES, THE CMU CORES AT THE JOIST BEARING LOCATION ARE TO BE SOLIDLY GROUTED UNTIL THEY ENCOUNTER A BOND BEAM (OR STL. SM. OR FND.) AT A LOWER ELEVATION.
- REFER ELSEWHERE FOR JOIST BEARING DETAILS AT FIRE WALLS AND EXPANSION JOINTS.

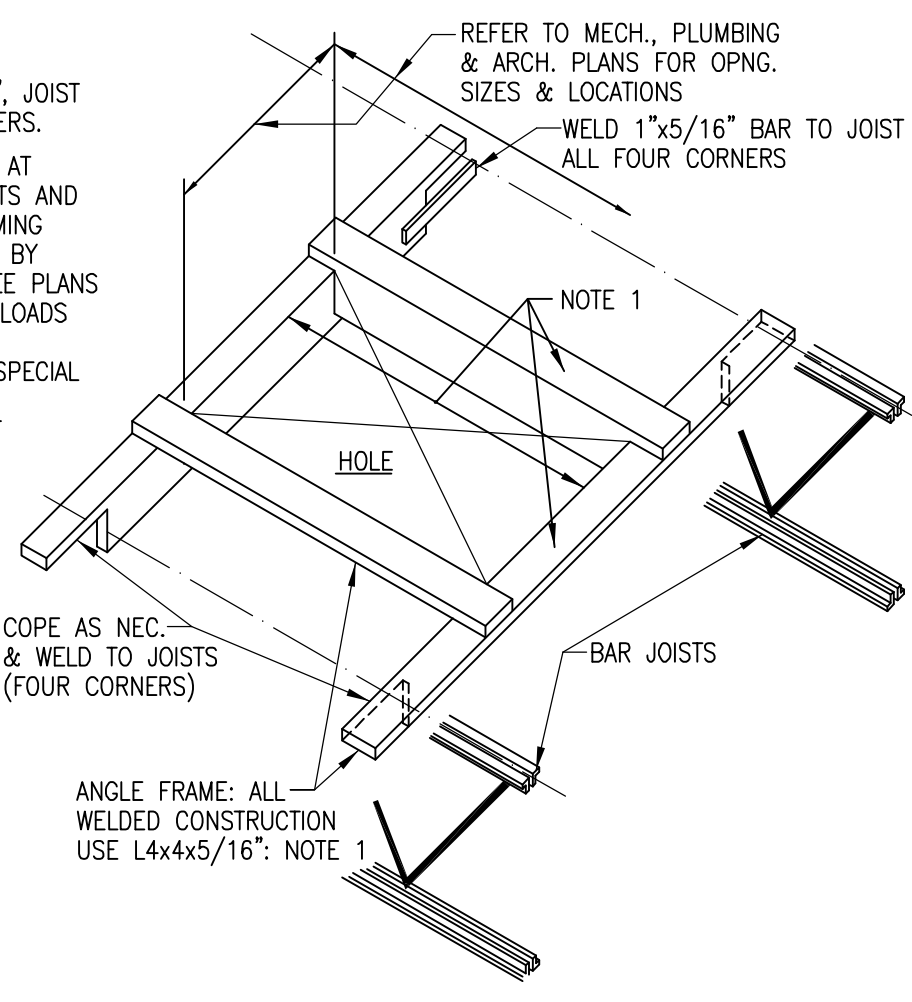


TYPICAL DETAIL - BOXED HEADER TO JAMB CONNECTION ELEVATION
NOT TO SCALE

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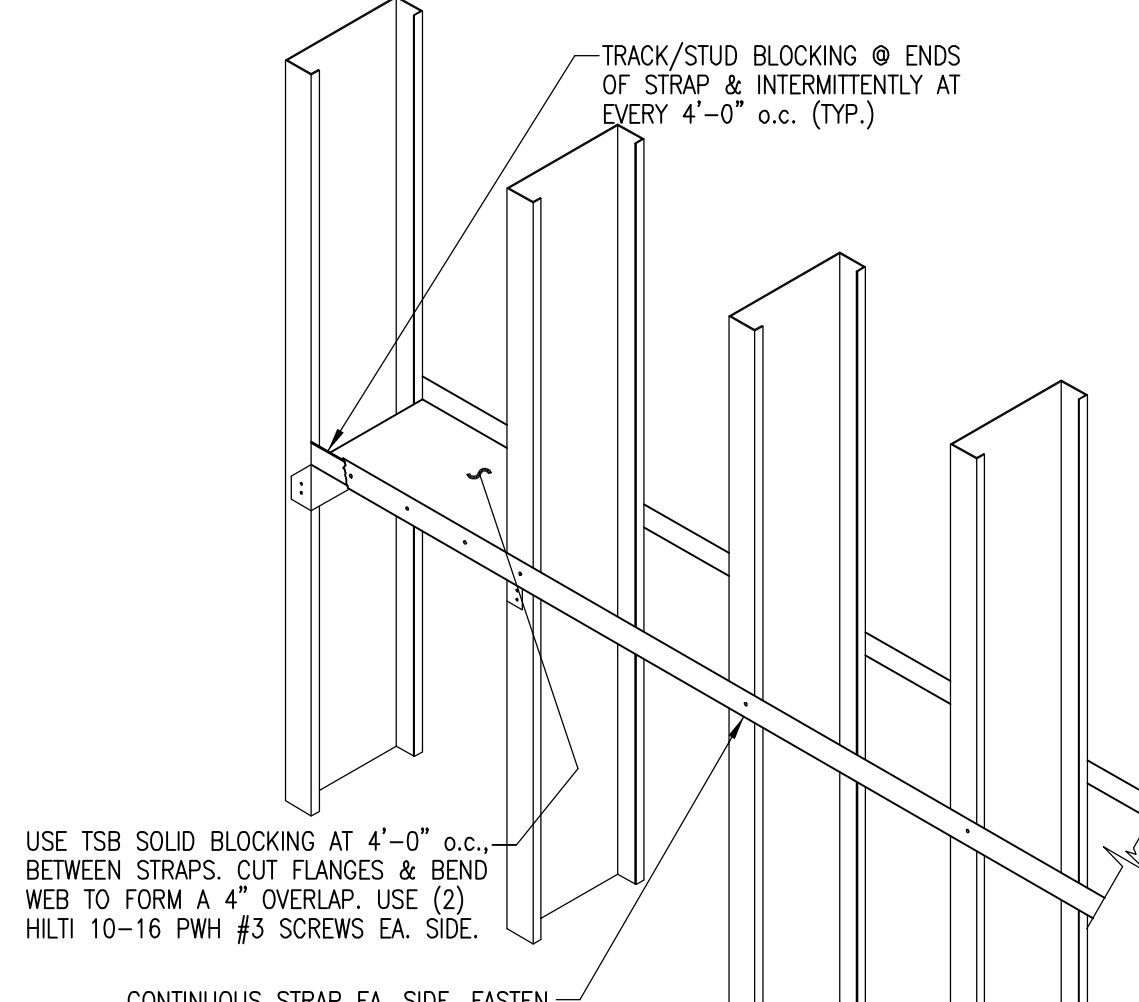
NOTES:

- IF OPENING IS GREATER THAN 4'-0", JOIST SUPPLIER TO DESIGN SPECIAL HEADERS.
- THIS DETAIL IS FOR ROOF SUPPORT AT OPENINGS FOR DUCTS, DRAINS, VENTS AND THE LIKE. SPECIAL JOISTS AND FRAMING ARE REQUIRED FOR LOADS IMPOSED BY ROOF-TOP MOUNTED EQUIPMENT. SEE PLANS FOR MAGNITUDE OF CONCENTRATED LOADS (SHOWN) TO BE USED BY JOIST MANUFACTURER IN THE DESIGN OF SPECIAL JOISTS AND HEADERS. COORDINATE EQUIPMENT MOUNTING AND SUPPORT REQUIREMENTS w/EQUIP. SUPPLIER.
- THIS DETAIL IS ONLY FOR DECK SUPPORT AT OPENINGS THAT DO NOT INTERRUPT TYPICAL JOIST SPACINGS. HEADERS, DESIGNED BY THE JOIST SUPPLIER, SHALL BE PROVIDED WHEN JOISTS ARE INTERRUPTED BY OPINGS.
- THIS DETAIL APPLIES TO ALL DECK OPENINGS THAT EXCEED 6" DIAMETER OR 30" SQUARE INCHES. TWO OPENING MAY EXCEED 6" LENGTH ON ANY SIDE.



TYPICAL DECK SUPPORT FRAME DETAIL AT OPENINGS
NOT TO SCALE

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TYPICAL DETAIL - BRIDGING/BLOCKING ELEVATION
NOT TO SCALE

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CLASS	NOM. WTH. THK.	WALL HEIGHT (BETWEEN LATERAL SUPPORT FROM FLOORS OR ROOF SYSTEMS)											SCHD. V	
		0'-0" to 6'-9"	6'-9" to 9'-0"	9'-0" to 10'-10"	10'-10" to 12'-8"	12'-8" to 16'-8"	16'-8" to 18'-0"	18'-0" to 20'-8"	20'-8" to 24'-8"	24'-8" to 30'-0"				
EXTERIOR WALLS	6"	None Req'd.	#4 @ 48" c/c	#4 @ 40" c/c	#4 @ 32" c/c	Do Not Use								
	8"	None Req'd.	#4 @ 48" c/c	#4 @ 48" c/c	#5 @ 40" c/c	#5 @ 32" c/c	#5 @ 24" c/c	Do Not Use						
	10"	None Req'd.	#4 @ 48" c/c	#5 @ 48" c/c	#5 @ 40" c/c	#5 @ 32" c/c	#5 @ 24" c/c	Do Not Use						
INTERIOR WALLS	6"	None Req'd.	#4 @ 112" c/c	#4 @ 96" c/c	#4 @ 72" c/c	#4 @ 48" c/c	Do Not Use							
	8"	None Req'd.	#4 @ 96" c/c	#4 @ 80" c/c	#4 @ 64" c/c	Do Not Use								
	10"	None Req'd.	#4 @ 96" c/c	#4 @ 112" c/c	#4 @ 96" c/c	#4 @ 80" c/c	#4 @ 64" c/c	Do Not Use						
SEISMIC WALLS (V)	6"	Do Not Use												
	8"	#5 @ 32" c/c												
	10"	#5 @ 24" c/c												

- (*) USE THIS PART OF CHART IF SEISMIC DESIGN CATEGORY (SDC) GIVEN IN GENERAL PROVISION NOTE 1.3.8 = 'D'.
- NOTES:
- EXTEND VERT. REINF. THROUGH BOND BEAMS (6" MIN. INTO BOND BEAMS AT T.O. WALLS).
 - EXTEND VERT. REINF. TO T.O. WALLS, INCLUDING PARAPETS WHERE APPLICABLE.
 - PROVIDE EPOXY SET DOWELS FROM CONCRETE STRUCTURE OR SLAB OF EQUAL BAR DIA. & SPACINGS AS REQ'D. VERT. REINF.
 - EPOXY SET DOWEL EMBEDMENT LENGTH TO BE PER OTHER TYPICAL DETAILS.
 - VERTICAL REINFORCING BAR UPS TO BE 40d (2" MIN.).
 - PROVIDE ADDITIONAL VERT. BARS, OF SAME DIA. AS VERT. REINF. SCHEDULED ABOVE, TO COMPLY WITH THE REQUIREMENTS OF THE ADD'L. VERT. REINF. SCHED. GIVEN BELOW.
 - GROUT-FILL ALL CELLS CONTAINING BAR REINFORCEMENT WITH SELF-CONSOLIDATING CONCRETE (3000 psi at 28 DAYS) - SEE ALSO TYPICAL CMU REINFORCEMENT DETAILS.
 - CMU SHALL COMPLY WITH ASTM C90 (LATEST EDITION).
 - MINIMUM COMPRESSIVE STRENGTH OF UNIT MASONRY: f_m=1500 psi.

- REINFORCEMENT TO BE PLACED IN CENTER OF CORES (U.N.O.). USE PROPRIETARY GALVANIZED 9g BAR POSITIONERS.
- REINFORCEMENT TO BE ASTM A615 GRADE 60.
- SCHEDULE BASED ON MIN. REQUIREMENTS FOR SLENDERNESS AND WIND PRESSURE (20.0 PSF EXTERIOR, 5.0 PSF INTERIOR), AND SEISMIC PROVISIONS OF THE BUILDING CODE.

2532 - WHERE SHOWN ON PLANS, THIS REFERENCE SYMBOL INDICATES THE REQUIRED WALL REINFORCEMENT THROUGHOUT THE WHOLE LENGTH OF THE WALL, FROM CORNER TO CORNER.

ITEM NO.	LOCATION	SCHEDULE OF SPECIFIC VERTICAL REINFORCEMENT		SCHD. SV
		6" and 8" CMU	12" CMU	
1.	CONTROL JOINTS	(1) EACH SIDE - #5 MIN.	(1) EACH SIDE - #5 MIN.	(1) EACH SIDE - #5 MIN.
2.	OPENINGS	< 2'-0" WIDE	(1) EACH SIDE - #5 MIN.	(1) EACH SIDE - #4 MIN.
		> 2'-0" WIDE < 4'-0" WIDE	(1) EACH SIDE - #5 MIN.	(2) EACH SIDE - #5 MIN.
3.	WALL INTERSECTIONS	> 4'-0" WIDE < 6'-0" WIDE	(2) EACH SIDE - #5 MIN.	(2) EACH SIDE - #5 MIN.
		> 6'-0" WIDE	SPECIAL REINF. REQ'D. - SEE PLANS (2 - #5 EACH SIDE MIN.)	
4.	FREE ENDS	(1) - #5 MIN.	(1) - #5 MIN.	
5.	CONCENTRATED LOAD LOCATION (BEAMS, LINTELS, JST., GIRDERS, ETC.)	(2) - #5 MIN.	(2) - #5 MIN.	
6.	WELDED TO TOP OF STEEL BEAMS SUPPORTING CMU	PLAIN ROUND STOCK x 24" LONG MIN. @ 24" c/c - 1/2" DIA. MIN.		
7.	SHEAR PANELS	SEE TYP. DETAILS - REINF. ARRANGEMENT IN CMU SHEAR WALLS*		

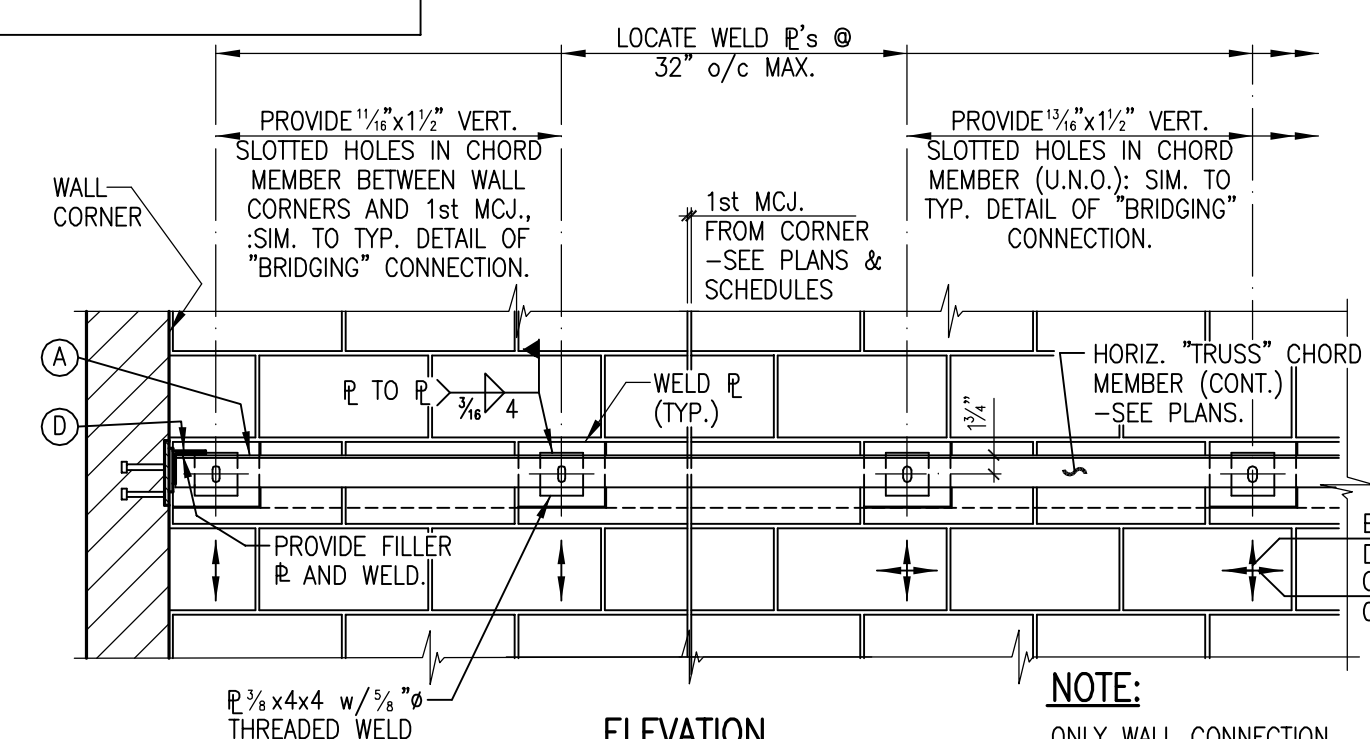
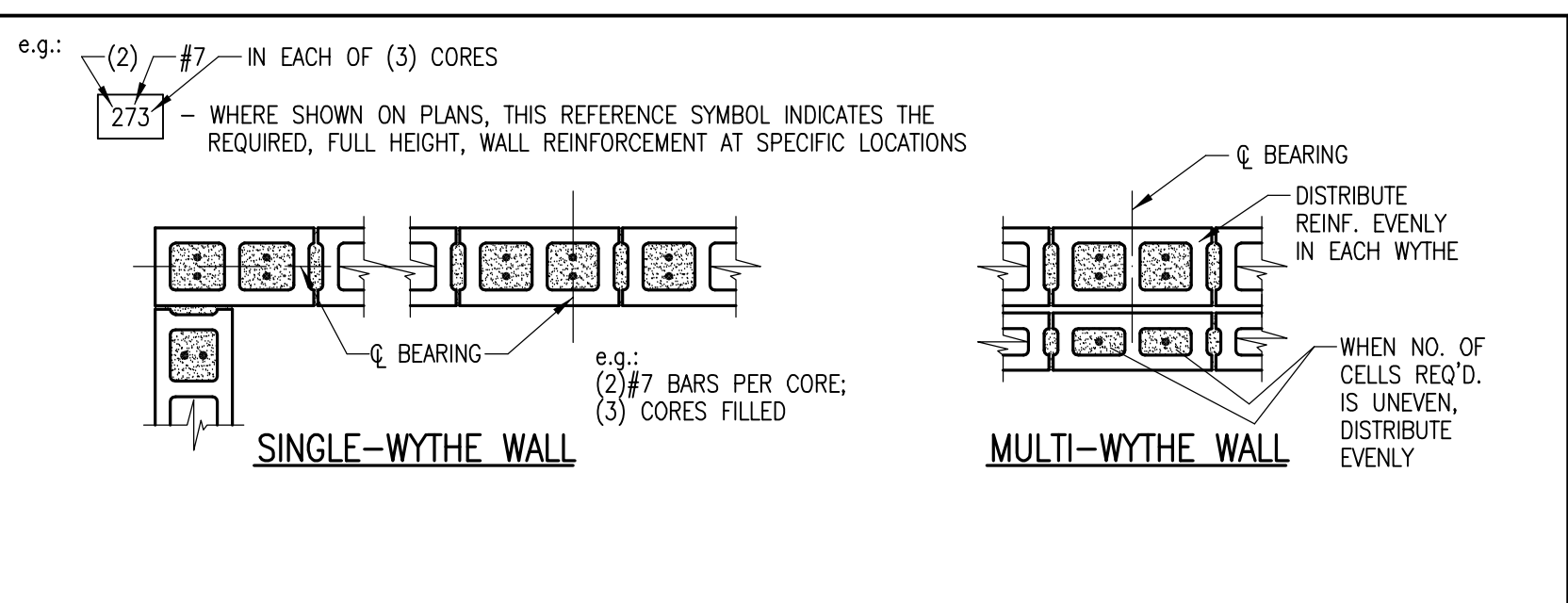
(*) CAN BE COINCIDENT WITH TYPICAL REBAR (NOT REQUIRED TO BE "IN ADDITION TO") EXCEPT AT OPENINGS IN SDC "C" & "D" WALLS. REINF. IN THIS SCHEDULE

CMU WALL REINFORCEMENT SCHEDULES (U.N.O.)
NOT TO SCALE

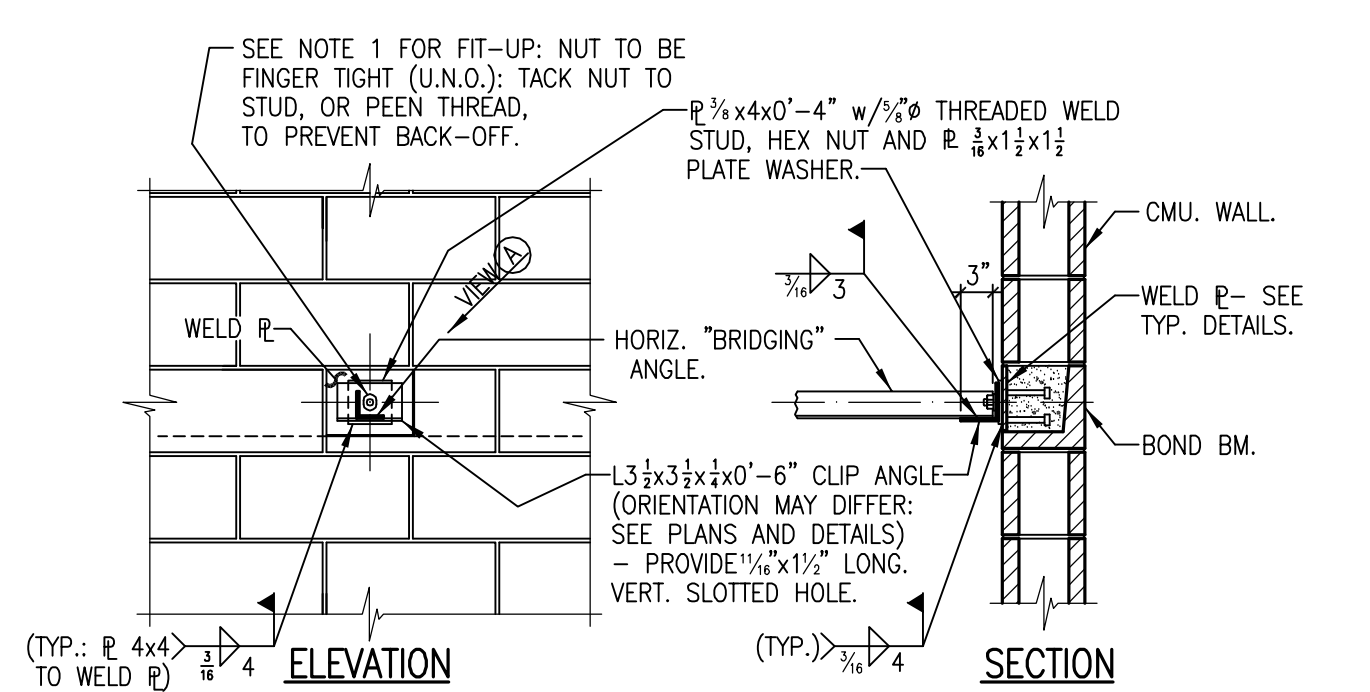
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ITEM NO.	LOCATION	SCHEDULE OF HORIZONTAL REINFORCEMENT AND BOND BEAMS		SCHD. H
		ALL WALLS, EXCEPT SEISMIC 'D' WALLS	LADDER-TYPE REIN. IN ALTERNATE MORTAR JOINTS	
1.	8" & 10" WALLS	LADDER-TYPE INT. REINF. @ 8" o.c. (3/16" DIA. SIDE RODS)	Do Not Use	
2.	TOP OF WALL	LADDER-TYPE INT. REINF. @ 16" o.c. & BOND-BMS (**)	#5 @ 48" o.c.	
3.	FLOOR/ROOF LINES	(2) #5 IN BOND BEAM (**)	Do Not Use	
4.	UNDER OPENINGS (SILLS)	(2) #5 IN BOND BEAM (**)	Do Not Use	
5.	CMU LINTELS	SEE LINTEL DETAILS (***)	Do Not Use	
6.	ABOVE STR. STEEL LINTELS	LADDER-TYPE INT. REINF. IN (2) COURSES x (OPNG. WIDTH + 24" EA. END. EXCEPT AT MCJ)	Do Not Use	

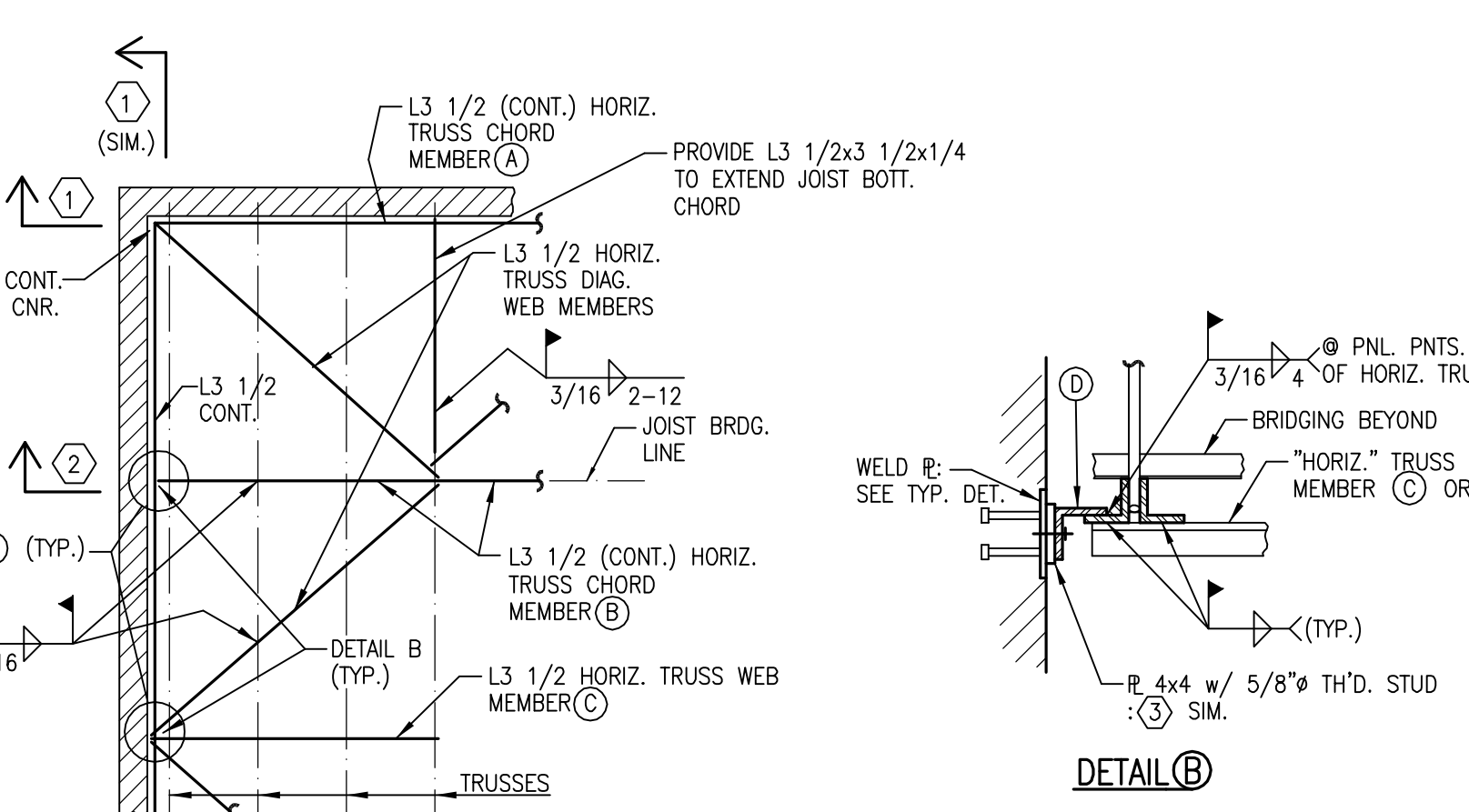
- NOTE:
- SDC=SEISMIC DESIGN CATEGORY (SEE GENERAL PROVISION NOTE 1.3.8)
 - LADDER-TYPE REINF. SHALL BE "DUR-O-WALL" OR APPROVED EQUIV., w/ 9 GAUGE WIRES, CALV. PER ASCE/ACI 530.1 REQUIREMENTS - U.N.O.
- LEGEND:
- (*) USE THIS PART OF CHART IF SEISMIC DESIGN CATEGORY (SDC) = "D"
- (**) THESE BOND BEAMS TO BE "CONTINUOUS" THROUGH MCJ'S WHEN SDC = "C" OR "D"
- (***) WHEN SDC = "C" OR "D" SILL BOND BEAMS AND LINTELS ARE TO EXTEND THROUGHOUT THE LENGTH OF THE WALL PANEL & ADD'L. HORIZ. BARS ARE REQ'D. AT THE OPENINGS. SEE "ELEVATION OF A TYP. WALL REINF."



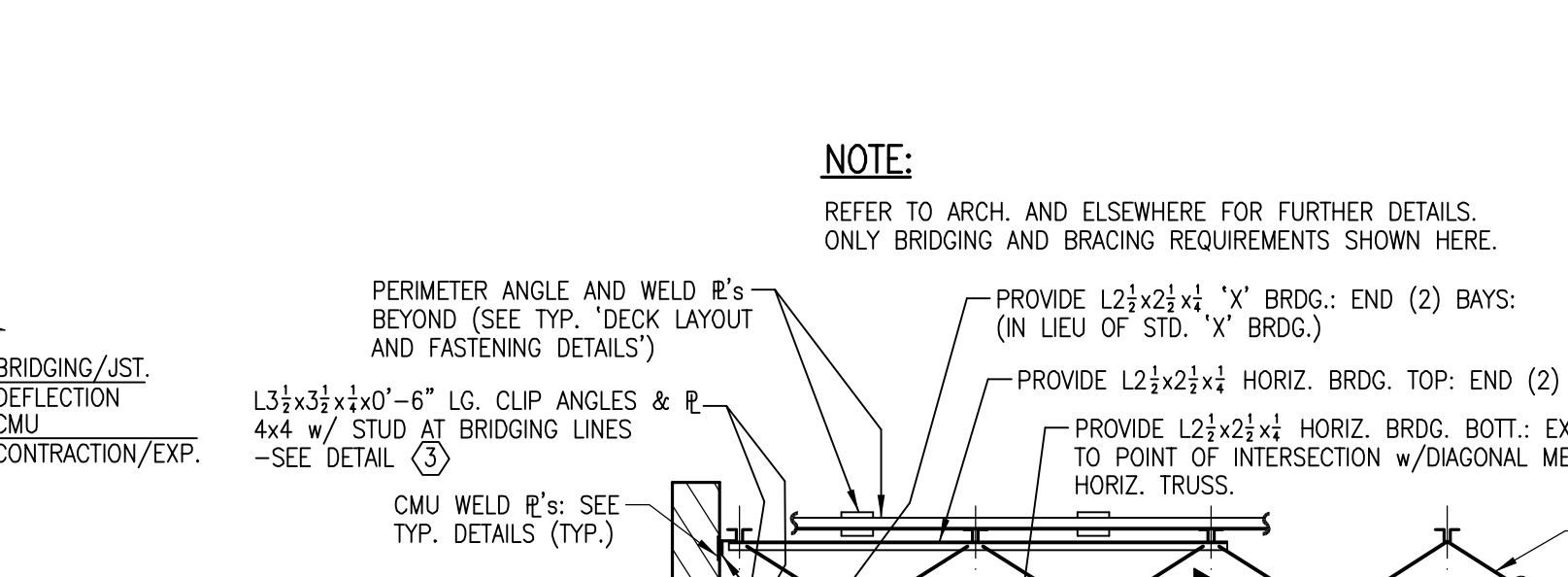
1 TYPICAL DETAIL OF HORIZONTAL "TRUSS" CHORD & ITS CONNECTION TO WALL



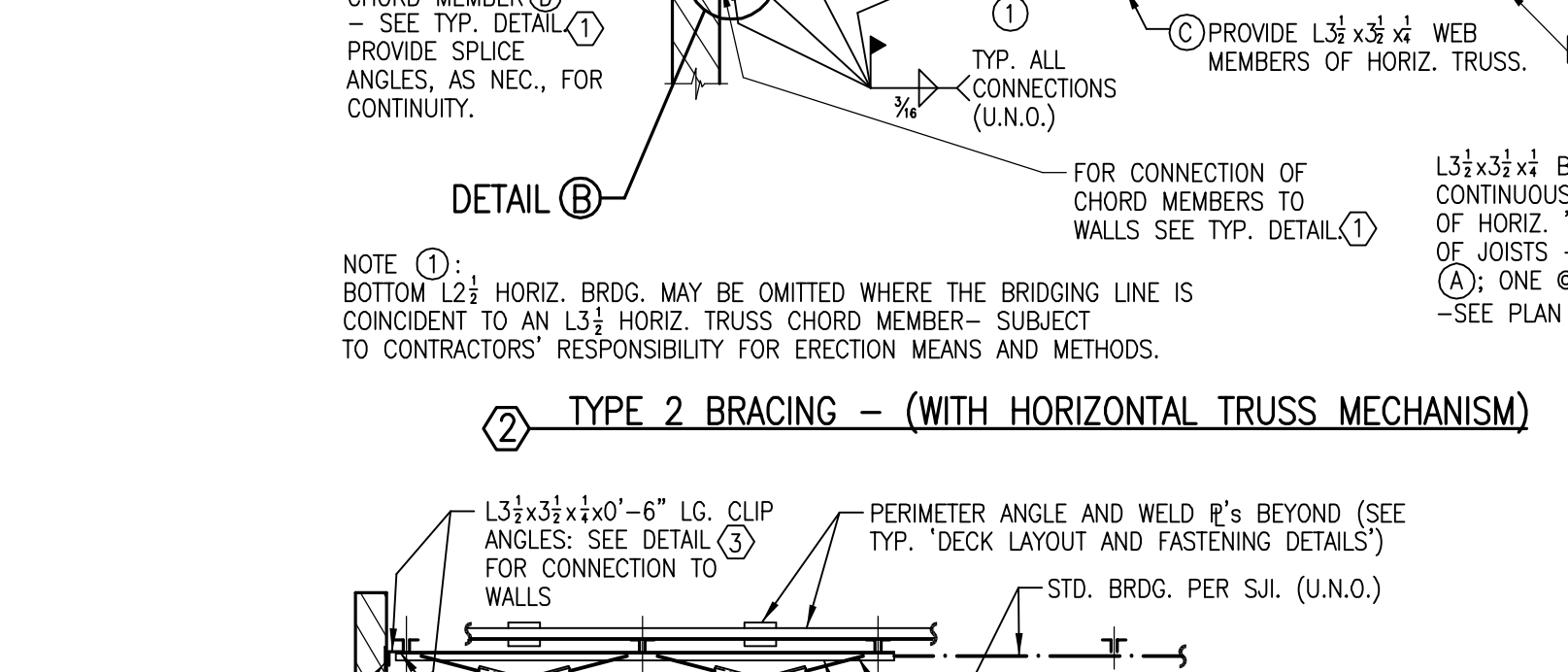
3 TYPICAL DETAIL OF HORIZONTAL "BRIDGING" CONNECTION TO WALLS



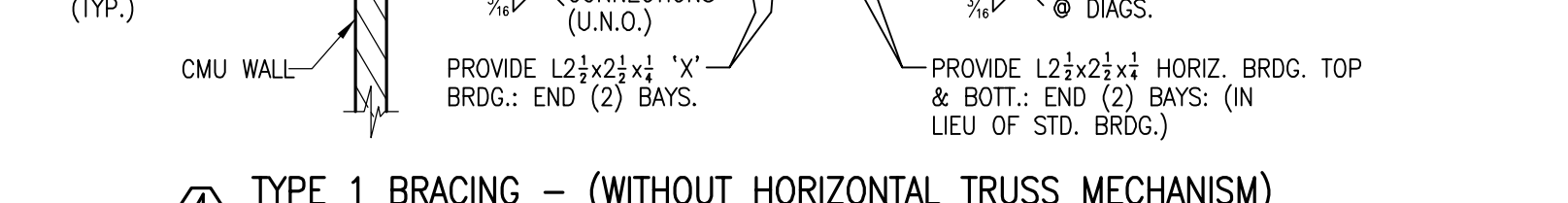
4 TYPICAL DETAIL OF HORIZONTAL "BRIDGING" CONNECTION TO WALLS (PLAN VIEW)



2 TYPICAL DETAIL OF HORIZONTAL "BRIDGING" CONNECTION TO WALLS (ELEVATION VIEW)



4 TYPE 1 BRACING - (WITHOUT HORIZONTAL TRUSS MECHANISM)



4 TYPE 2 BRACING - (WITH HORIZONTAL TRUSS MECHANISM)

DISCLAIMER NOTE:
THIS SET OF CONSTRUCTION DRAWINGS HAS BEEN UPDATED TO INCLUDE ANY CHANGES ISSUED THROUGH ADDENDUM OR OTHER MEANS. EVERY EFFORT HAS BEEN TAKEN TO INCLUDE ALL CHANGES TO DATE. THE CONTRACTOR IS STILL RESPONSIBLE FOR PROVIDING ANY ITEMS THAT WERE SHOWN AS PART OF THE ORIGINAL BID SET THAT MAY HAVE BEEN OVERLOOKED AND NOT INCLUDED IN THIS SET.

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CANNONDESIGN
UNIVERSITY OF LOUISVILLE

Revision Date

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Project Number: Omni - 1105.00 Cannon - 03667.00
Date: March 02, 2012
Checked By: ANTHONY
Drawn By: POK

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