

1. HEADED STUD SHEAR CONNECTORS SHALL BE 3/4" DIAM. X LENGTH (AFTER INSTALLATION) AS

- FOLLOMS: FOR 1 1/2" DECK, STUD LENGTH = 3" FOR 2" DECK, STUD LENGTH = 3 1/2"
- FOR 3" DECK, STUD LEGTH = 5" 2. SEE PLAN FOR NUMBER REQUIRED. BEAMS INDICATED (XX) REQUIRE XX NUMBER OF STUDS
- UNIFORMLY SPACED ALONG THE LENGTH OF THE BEAM. 3. BEAMS AND GIRDERS INDICATED (XX-X-XX) REQUIRE XX NUMBER OF STUDS UNIFORMLY SPACED BETWEEN THE END OF THE BEAMS AND GIRDERS AND THE FIRST SUPPORTED BEAM AND X NUMBER OF STUDS BETWEEN THE TWO SUPPORTED BEAMS. SEE PLANS FOR ADDITIONAL
- SPACING REQUIREMENTS. 4. WHEN THE QUANTITY OF STUDS EXCEEDS THE QUANTITY OF AVAILABLE RIBS OR THE REQUIRED MINIMUM SPACING, THEN THE EXCESS STUDS SHALL BE PLACED IN PAIRS STARTING AT EACH
- END OF THE BEAM. 5. MINIMUM STUD SPACING SHALL BE 4 1/2" ALONG THE LENGTH OF THE BEAM AND 3" ACROSS
- WIDTH OF THE BEAM FLANGES. 6. FLOOR CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FIRE RESISTANCE RATING AND THE UL DESIGN NO. AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

- (4)-3/4" DIAM. A325 BOLTS ON

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STIFFENER PL'S BOTH SIDES ALIGN PL'S W/

FLANGE OF COLUMN STIFFENER PL SHALL BE

1/2" MIN. THICK BUT SHALL MATCH FLANGE

- STEEL BEAM W/ SINGLE PL CONNECTION.

THICKNESS OF COLUMN BELOW

COPE FLANGES AS REQ'D

BEAM GAGE, TYP.

- 3/4" MIN. BASE PL

BEAM GAGE, TYP.

— 3/4" MIN. BASE PL

	* MATCH WELD TO GAGE. <u>E</u>	DGE DETAIL
SLAB POUR STOP SCHEDULE		
SLAB THICKNESS	"A" DIMENSION (OVERHANG)	POUR STOP
2 1/2" TO 5 1/2"	0" UP TO 2"	18 GA.
	GREATER THAN 2", UP TO 4"	16 GA.
	GREATER THAN 4", UP TO 6"	14 GA.
	GREATER THAN 6", UP TO 9"	12 GA.
	GREATER THAN 9", UP TO 11"	10 GA.
	GREATER THAN 11", UP TO 1'-4"	5/16" BENT PLATE
5 3/4" TO 6 1/2"	0" UP TO 2"	16 GA.
	GREATER THAN 2", UP TO 4"	14 GA.
	GREATER THAN 4", UP TO 8"	12 GA.
	GREATER THAN 8", UP TO 10"	10 GA.
	GREATER THAN 10", UP TO 1'-4"	5/16" BENT PLATE
6 3/4" TO 8"	0" UP TO 1"	14 GA.
	GREATER THAN 1", UP TO 5"	12 GA.
	GREATER THAN 5", UP TO 8"	10 GA.

GREATER THAN 8", UP TO 1'-4"

- FLOOR DECK SPANS EITHER "SLAB POUR STOP

FOR GAGE

FOR BENT P 1/4 3-12

POUR STOP \* 2-12

SEE "POUR

STOP DETAIL"\_

POUR STOP, SEE

SCHEDULE" -

CL BEAM

4" 2" MIN. BRG.

- EDGE OF DECK

FOR OVERHANG "A"

GREATER THAN 6",

CONC. FLOOR SLAB

- FLOOR DECK SPANS

OR PARALLEL TO BM.

5/16" BENT PLATE

EITHER PERPENDICULAR

ADD #4 AT 12"o.c. TOP

NOTE: POUR STOPS INDICATED IN THIS DETAIL ARE TO BE USED UNLESS OTHERWISE DETAILED.



\*\* VERTICAL LEG RETURN LIP

SHALL BE 1" FOR 10 GAGE,

ALL OTHER GAGES

3/16" BENT

PLATE -

CHANNEL

STEEL

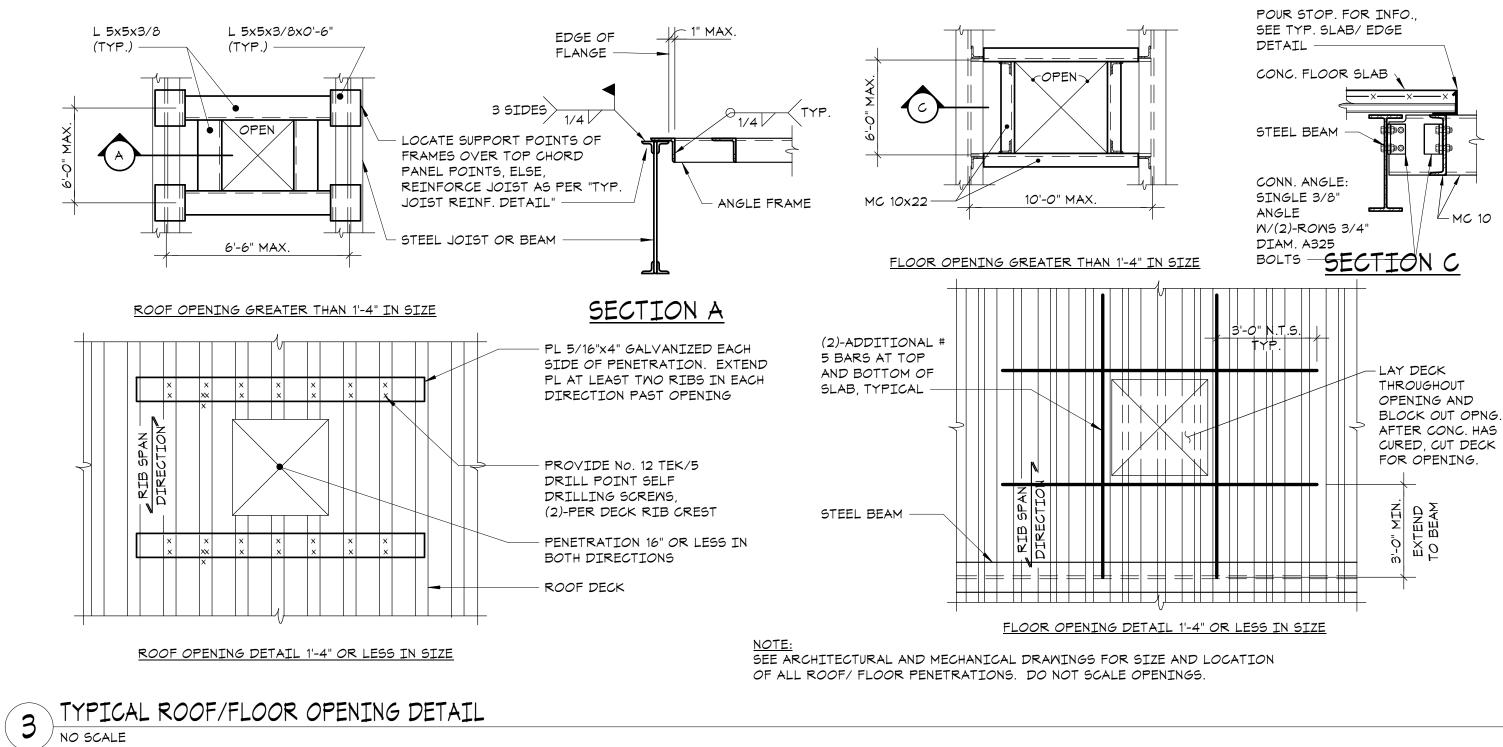
3/4" FOR 12 GAGE, 1/2" FOR

POUR STOP DETAIL

CONC. FLOOR SLAB

PERPENDICULAR OR

► PARALLEL TO BEAM



GL BEAM

3" MIN. DECK BEARING

PL 5/16"x10"xCONT. (NOTE PL NOT REQUIRED

PL 12 GA. X CONT. X WIDTH REQ'D. LOCATE EDGE

METAL ROOF DECK (EITHER PARALLEL OR

AT DECK CRESTS. FASTEN TO EACH DECK CREST

ATOP BEAMS W/ FLANGE WIDTH 12" OR

M/ No.10 SCREMS AT 12"o.c.

STEEL BEAM

PERPENDICULAR TO SKYLIGHT)

TOP OF STEEL EL., SEE PLAN



"CA" COLUMN ABOYE

CONC. FLOOR SLAB

1/4

SEE PLAN -

"CA" COLUMN

CONC. FLOOR

STEEL GIRDER -

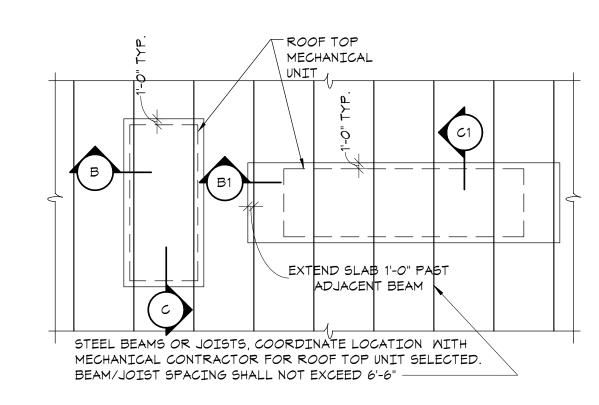
"CBL" BELOW -

SEE PLAN -

ABOVE -

SLAB

TYPICAL COMPOSITE BEAM FLOOR CONSTRUCTION DETAIL



<u>PLAN DETAIL A</u>

THIS PLAN IS SOLELY FOR THE PURPOSE OF CUTTING TYPICAL

SECTIONS AND DETAILS. SEE FRAMING PLANS FOR ACTUAL LAYOUT.

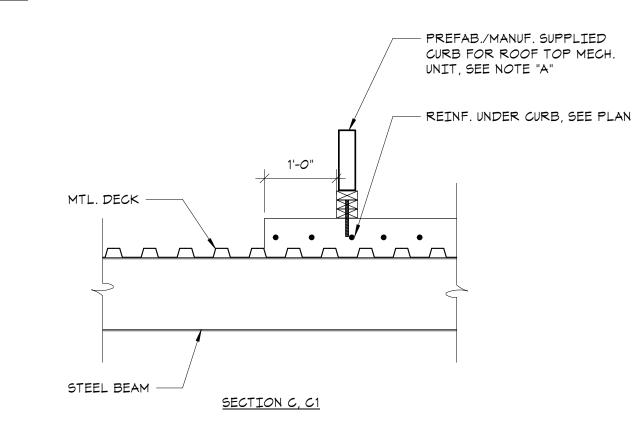
CONNECTION OF CURB TO SUPPORTING STRUCTURE

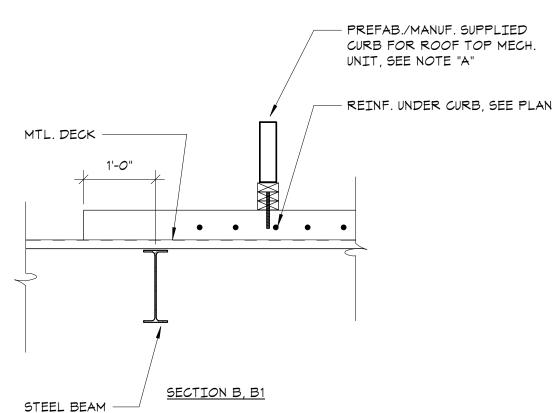
SEE MECHANICAL DWGS. FOR

STIFFENER PL'S BOTH SIDES ALIGN PL'S W/ STEEL GIRDER -FLANGE OF COLUMN STIFFENER PL SHALL BE 1/2" MIN. THICK BUT SHALL MATCH FLANGE THICKNESS OF COLUMN ABOVE STEEL BEAM W/ SINGLE PL CONNECTION. COPE FLANGES AS REQ'D

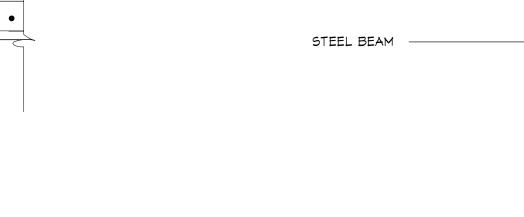


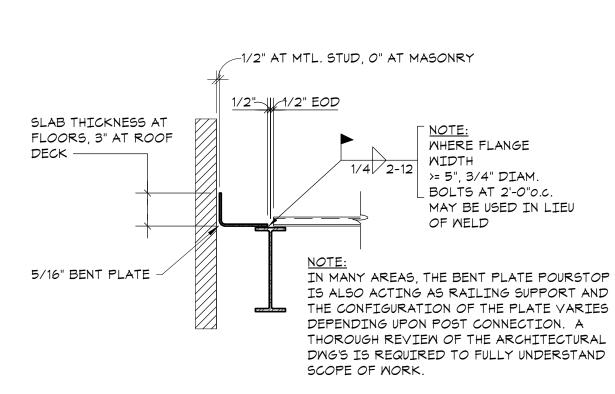
GL COLUMN ABOVE AND BELOW











TYPICAL SKYLIGHT SUPPORT DETAIL

TOP OF TRACK EL., SEE

C6x14 GA. STUDS AT 16"O.C., TYP.

TRACK: 12 GA. X CONT., FASTEN TO

STEEL PL W/ (2)-ROWS 0.177" DIAM.

FASTENERS AT 6"O.C., STAGGERED AT

<u>SKYLIGHT</u>

1/4 3-12

SEE PLANS

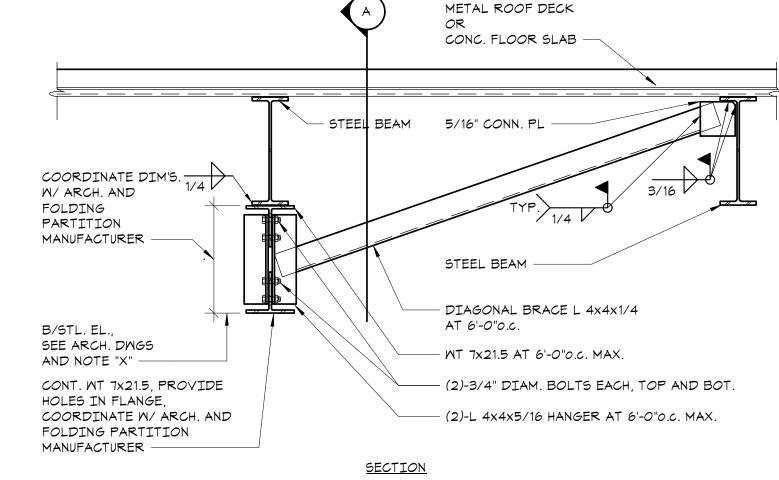
3"o.c., ROW SPACING AT 4" TYP.

SHANK POWDER ACTUATED

ARCH. DWGS. \_\_\_\_\_



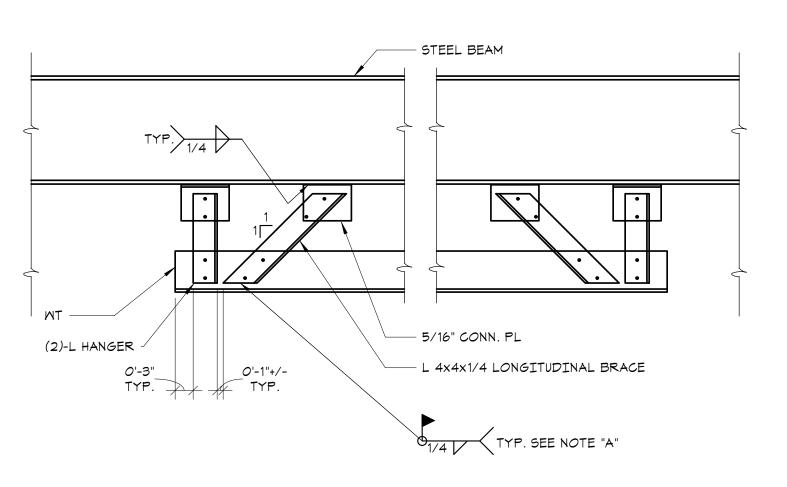




WHERE BOTTOM OF STEEL ELEVATION REQUIRED FOR SUPPORT OF THE FOLDING PARTITION, AS INDICATED ON THE ARCH. DRAWINGS, IS SUCH THAT IT IS AT THE BOTTOM OF THE STEEL BEAM, THEN OMIT THE WTMEMBERS AND DOUBLE ANGLE HANGERS AND PROVIDE HOLES IN THE MEMBERS AND DOUBLE ANGLE HANGERS AND PROVIDE HOLES IN THE BOTTOM FLANGE OF THE STEEL BEAM. CONNECT BRACE TO TOP OF BOTTOM FLANGE OF STEEL BEAM WITH PLATES AND WELD SAME AS INDICATED AT ADJACENT BEAM. FOR LONGITUDINAL BRACING

FOLDING PARTITION SUPPORT DETAIL 9 FOLDIN NO SCALE

REQUIREMENTS, SEE DETAIL "A".



LONGITUDINAL BRACING DETAIL (A NOTE:
PROVIDE LONGITUDINAL BRACE AT EACH END OF WT SUPPORT.

· DIAGONAL BRACE NOT SHOWN FOR CLARITY.

NOTE "A": IN LIEU OF WELDING, (2)-3/4" DIAM. A325 BOLTS MAY BE USED AT CONNECTIONS.



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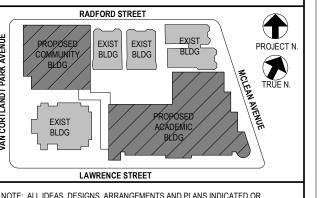
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4 11/01/21 ISSUE FOR BID 3 07/14/21 CONSTRUCTION DOCS - NYSED 2 12/15/20 DESIGN DEVELOPMENT 1 08/31/20 SCHEMATIC DESIGN Sheet Title

STEEL FRAMING SCHEDULES AND TYPICAL DETAILS

Job No. 10/30/2020 20142.00 Engin'r / Checked AS NOTED TM / EM Sheet Number

S301