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LERCH BATES
VERTICAL TRANSPORTATION

SIEBEIN ASSOCIATES
ACOUSTICAL DESIGN

BOCKSTALL DESIGN ASSOCIATES, LLC
GRAPHICS / SIGNAGE DESIGN

Project Name

JW MARRIOTT BONNET CREEK
CHELONIA PARKWAY

Project Number
R305894.01

Drawing Name

CMU DETAILS

Scale: $\frac{3}{4}" = 1'-0"$



NOTES:

1. LAP LENGTHS ARE BASED ON ACI 530-05 EQUATION 2-9, USING A MASONRY STRENGTH, F_m , OF 1500 PSI
2. BAR DEVELOPMENT LENGTH IN MASONRY SHALL BE THE SAME AS THE SCHEDULED LAP LENGTH.
3. DO NOT USE THIS SCHEDULE FOR BAR DEVELOPMENT AND LAP SPLICE IN CONCRETE.

LINTEL REINFORCING:
 2#5 AT OPENINGS LESS THAN 5'-0"
 2#5 AT OPENINGS 5'-0" TO 7'-0"
 FOR OPENINGS GREATER THAN 7'-0"
 SEE STEEL LINTEL SCHEDULE

WHERE EXTENSION IS
 IMPOSSIBLE, EXTEND
 BAR AS FAR AS
 POSSIBLE & HOOK TYP

CLASS B SPLICE OR 2'-0"
 WHICHEVER IS GREATER

PROVIDE LEVEL SURFACE FOR
 UNIFORM BEARING AT STEEL
 BEAM LINTEL

2'-6"

2'-6"

EXTEND JAMB BARS FLR TO FLR
 OR FLR TO ROOF WHEN WIDTH OF
 OPENING IS MORE THAN 4'-0"

STD HOOK WHERE
 EMBEDMENT NOT
 POSSIBLE

DOWELS TO MATCH
 JAMB BARS (TYP)

WALL REIN

ELEVATION

The diagram illustrates two cross-sectional views of a wall reinforcement detail. The left view, labeled 'SINGLE LAYER OF VERT REIN', shows a single layer of vertical reinforcement bars with a 90° hook. The right view, labeled 'DOUBLE LAYER OF VERT REIN', shows a double layer of vertical reinforcement bars with a Class B splice. Both views include a 'TYP WALL REIN' and a 'U-BAR TO MATCH HORIZONTALS'. Dimensions indicate a 2-#5 VERT. UPTO 7'-0" and a 2-#7 VERT. 7'-0" TO 12'-0".

SINGLE LAYER OF VERT REIN DOUBLE LAYER OF VERT REIN

A JAMB OR END OF WALL

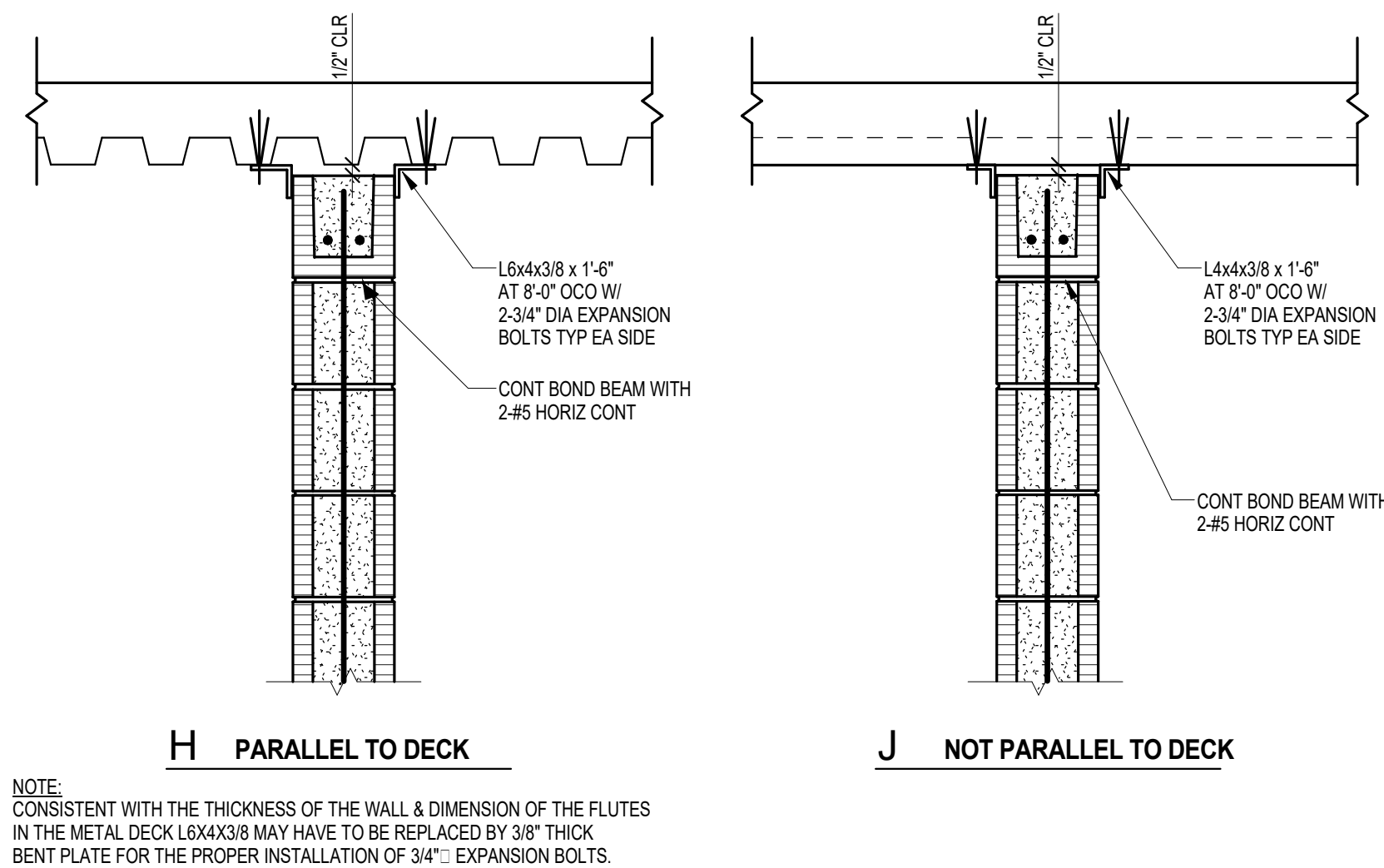
SINGLE LAYER **DOUBLE LAYER**

B CMU & STEEL LINTEL

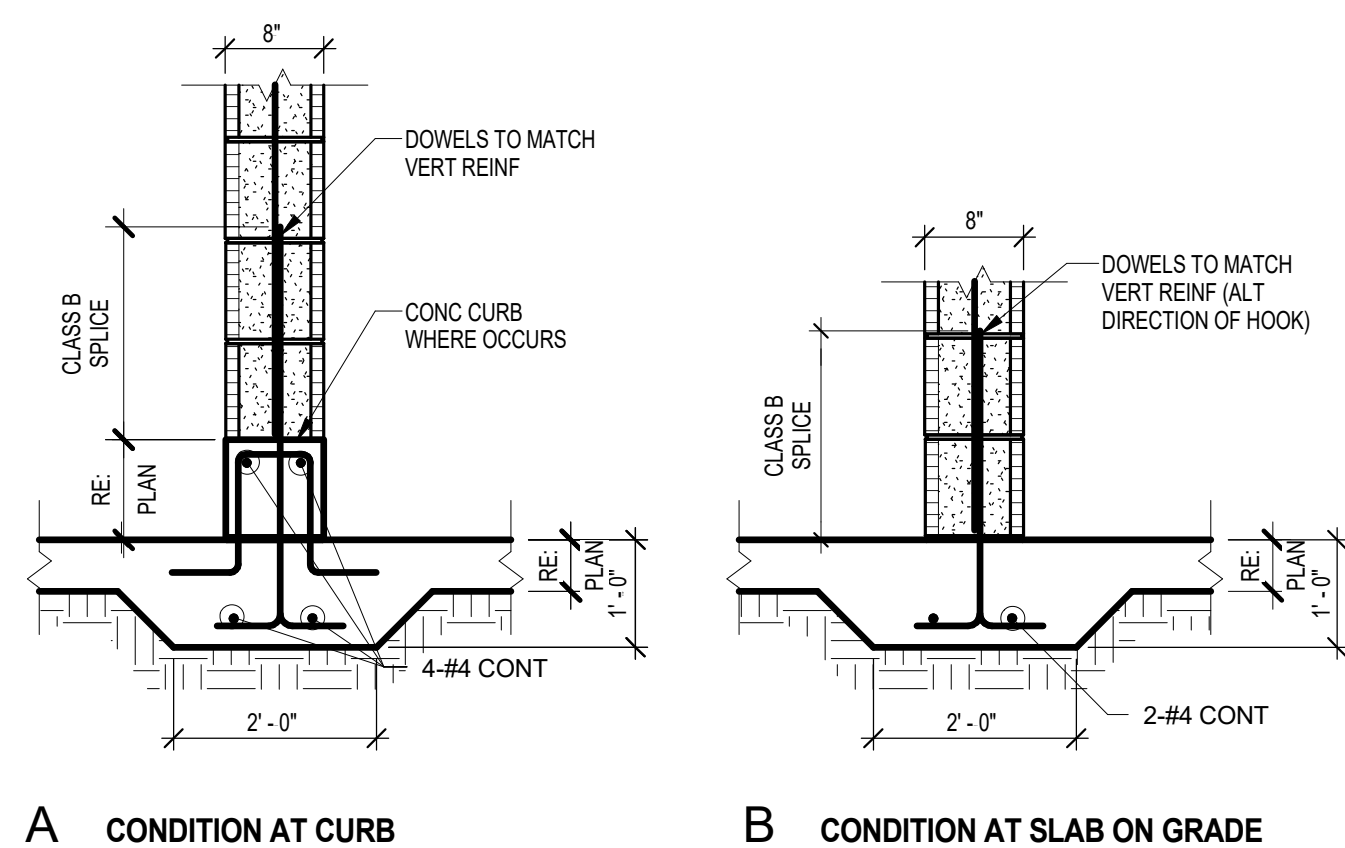
NOTE: FOR A SPAN GREATER THAN 12'-0" NOTIFY ENGINEER TO
DESIGN A SPECIAL LINTEL AND REINF AROUND OPENING.

A JAMB OR END OF WALL

B CMU & STEEL LINTEL



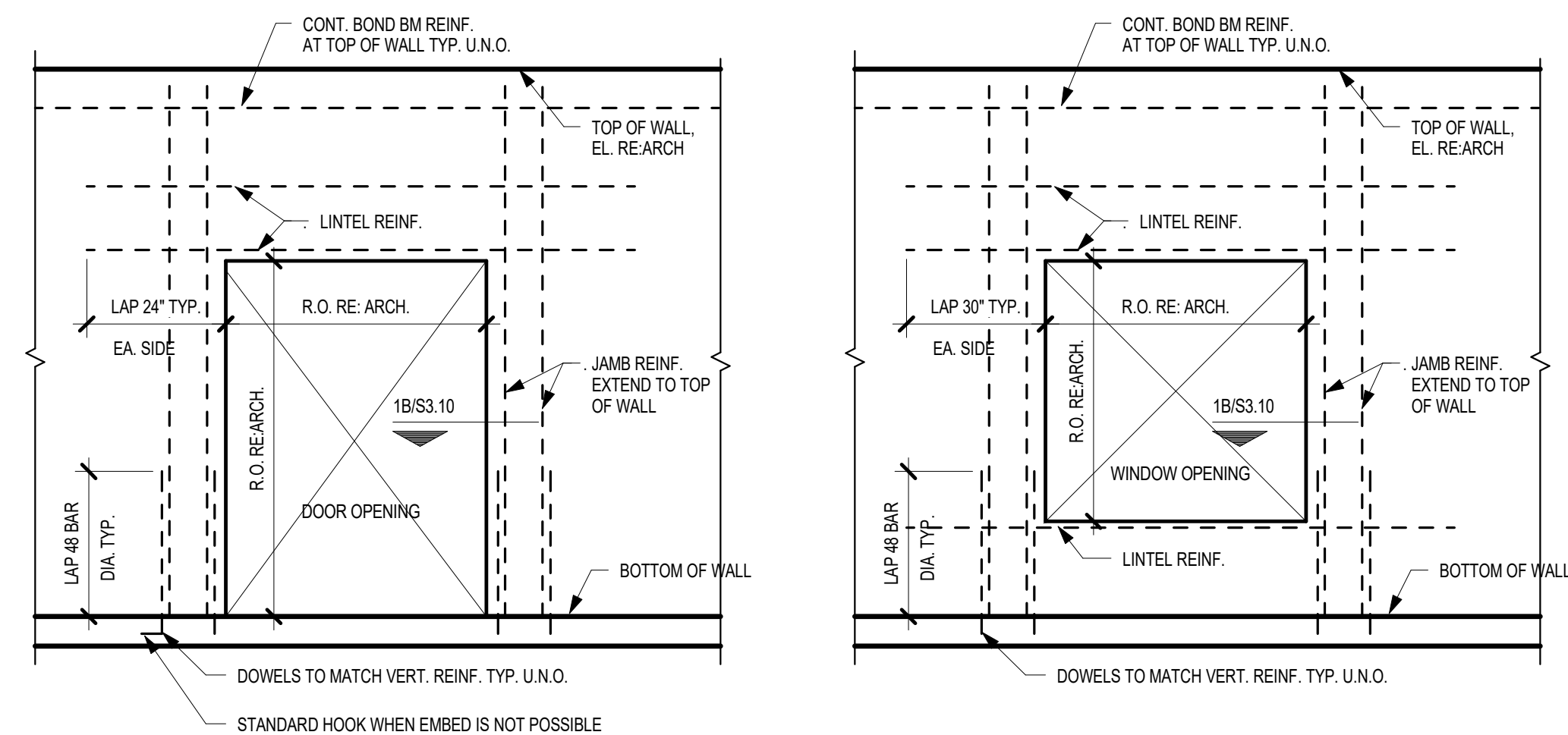
3 CMU LINTEL SCHEDULE
3/4" = 1'-0"



LINTEL DEPTH	
OPENING WIDTH	CMU DEPTH
UP TO 4'-0"	8"
> 4'-0" & UP TO 8'-0"	16"
> 8'-0" & UP TO 11'-4"	24"
> 11'-4" & UP TO 13'-4"	32"

NOTES: 1. OPNG WIDTH SHALL NOT EXCEED 13'-4" FOR 8" CMU WALL.
2. GROUT ALL CELLS TO NOTED LINTEL DEPTH.

3 CMU LINTEL SCHEDULE
3/4" = 1'-0"



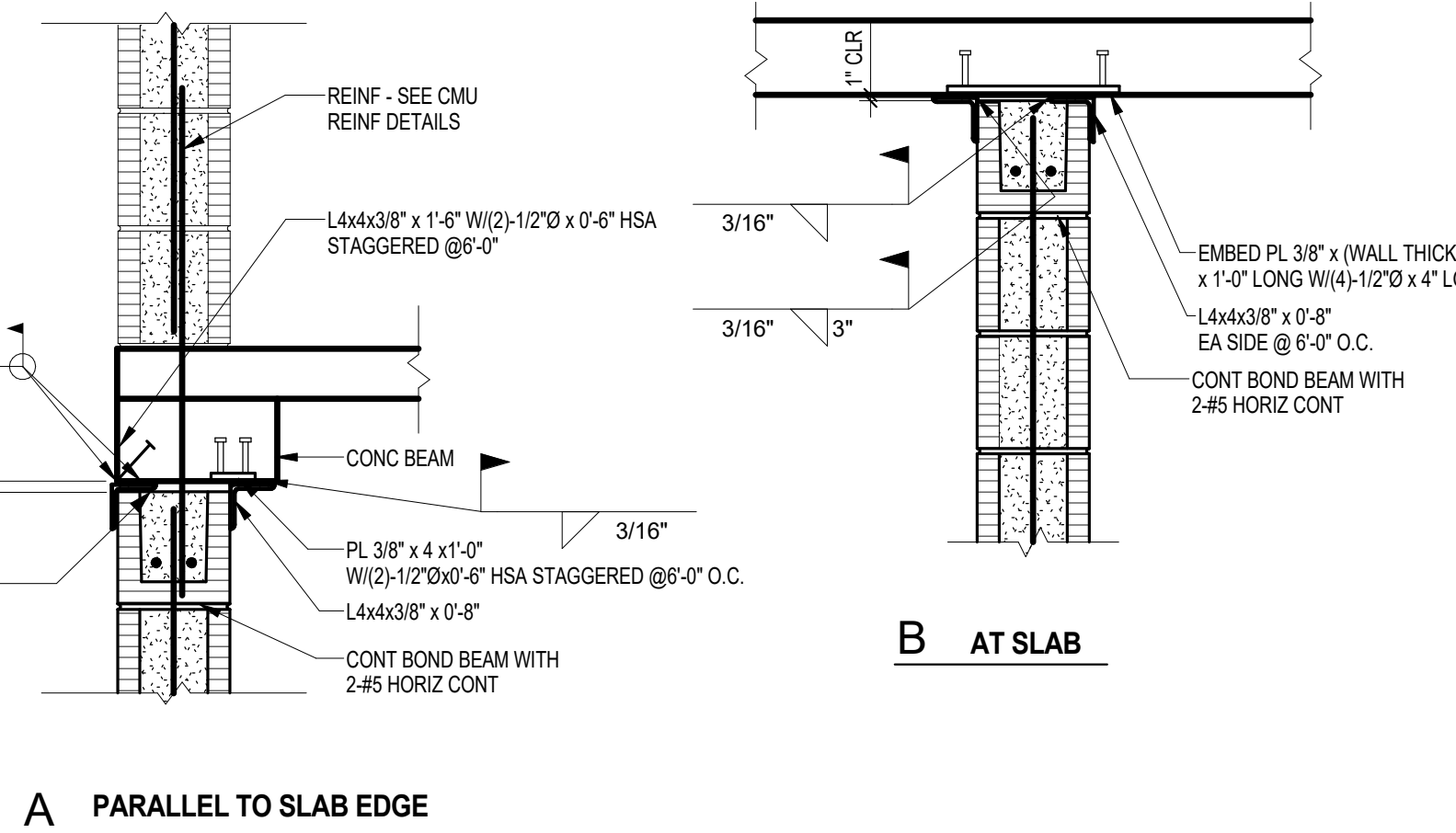
S6.31 - 1 TYPICAL CMU WALL MINIMUM REINFORCEMENT

WALL CLEAR HEIGHT	WALL THICKNESS	VERT. REINF.
UP TO 11'-0"	8"	#5 @ 24"
11'-0" TO 16'-0"	8"	#6 @ 16"
16'-0" TO 23'-6"	12"	#6 @ 16"

NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR THICKNESS AND LOCATION OF CMU WALLS.
2. THE MAXIMUM HEIGHT OF WALL SHOULD BE LIMITED TO THE HEIGHT SCHEDULED ABOVE OR HT. HEIGHT/THICKNESS RATIO AS SPECIFIED BY PREVAILING BUILDING CODES.
3. THE HORIZONTAL REINFORCEMENT OF THE INTERIOR UNREINFORCED WALLS CAN BE OMITTED.
4. SEE MAXIMUM GENERAL NOTES ON SHEET 50.01.
5. SHOW IN SCHEDULE ABOVE INDICATES WALL HEIGHT IS NOT ACCEPTABLE FOR WALL THICKNESS.
6. ALL BOND BEAMS TO BE BUILT USING STANDARD UNTEL BLOCKS, CUT OUT BLOCKS AT BOTTOM OF BLOCKS TO BE REINFORCED & FILLED CELLS TO ALLOW REIN TO BE CONTINUOUS. HOLE SIZE IS TO MATCH SIZE OF VERTICAL CELL.
7. ALL INTERIOR EXPOSURE WALLS ARE DESIGNED FOR 10 PSF OF LATERAL PRESSURE. EXTERIOR WALLS BEING DESIGNED TO RESIST THE EXTERIOR WIND PRESSURE SPECIFIC TO THE PROJECT.

RFI #0345 - WALLS THAT ARE
16'-4" OR LOWER ARE TO BE
8" THICK UNLESS SHOWN
OTHERWISE BY
ARCHITECTURAL DRAWINGS



RFI 0191 - MINIMUM BOND REQUIREMENTS

2 OPENING ELEVATIONS

S6.31 - 1 TYPICAL CMU WALL MINIMUM REINFORCEMENT