

## SPANDREL BEAM NOTES:

1. Spandrel beams are to be provided at the following locations:-

Area "A". Along grid line "A", above the ceiling line, but not above 12'-6" elevation. Refer to Supplementary Drawing No. 33 for attachment details.

Area "B". Along grid line "AA", above the ceiling line, but not above 12'-6" elevation. Refer to Supplementary Drawing No. 33 for attachment details.

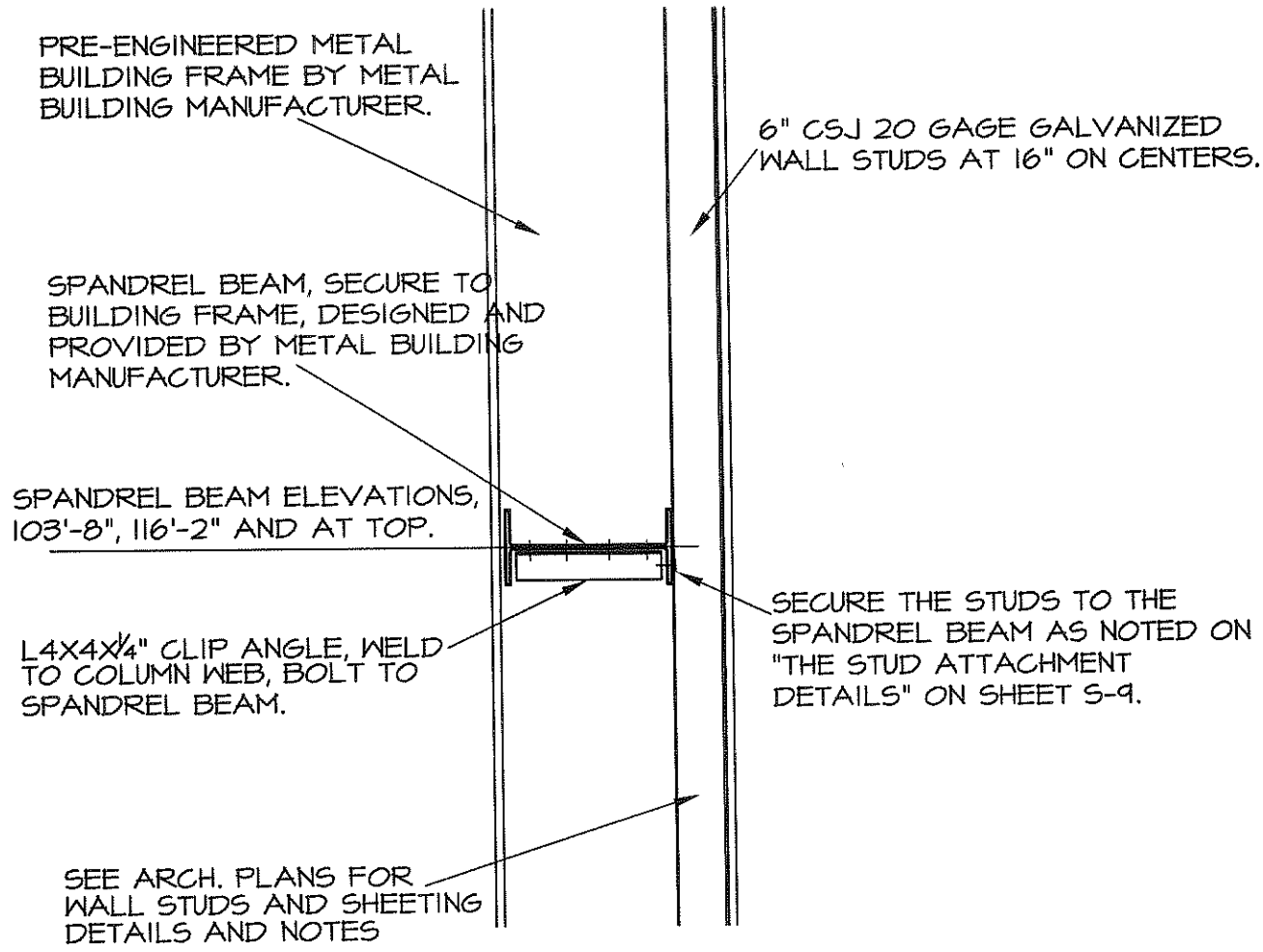
Area "C". Along grid line "FF' and GG". Refer to Supplementary drawing No. 17 for details.

Area "D" Refer to Addendum No. 3, item No. 14. Provide spandrel beams as described here.

Refer to Supplementary drawing Nos. 31 and 32 for spandrel beam to column connections.

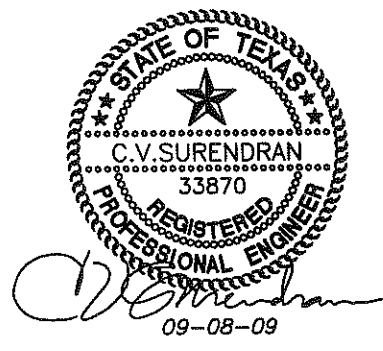
Refer to Stud attachment details on sheet S9 for method and sizes of screws for stud to spandrel beam connections.

Delete spandrel beam at lower level (Elev. 103'-8") along grid line "9", between grids E and F. Provide additional studs at this area at 16" o.c., placed back to back and stitched at 24" on centers.



**SECTION**

**01**



**SUPPLEMENTARY DRAWING NO. 31**

NEW HIGH SCHOOL FOR HALE CENTER IND. SCHOOL DISTRICT  
 2008 IMPROVEMENTS- HALE CENTER, TEXAS

SC	<b>SURENDRAN CONSULTING STRUCTURAL ENGINEERS</b>
	8107 Kenosha Avenue Lubbock, TX 79423-1723 www.surenranconsulting.com

Phone: 806.793.8668  
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SHEET NO. 1 OF 1  
 DATE: SEPTEMBER 08, 2009

PRE-ENGINEERED METAL BUILDING FRAME BY METAL BUILDING MANUFACTURER.

6" CSJ 20 GAGE GALVANIZED WALL STUDS AT 16" ON CENTERS.

SPANDREL BEAM, SECURE TO BUILDING FRAME, DESIGNED AND PROVIDED BY METAL BUILDING MANUFACTURER.

SPANDREL BEAM ELEVATIONS, 103'-8", 116'-2" AND AT TOP.

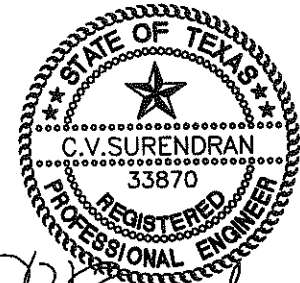
SECURE THE STUDS TO THE CONTINUOUS ANGLE AS NOTED ON "THE STUD ATTACHMENT DETAILS" ON SHEET S-9.

L4X4X1/4" CLIP ANGLE, WELD TO COLUMN WEB, BOLT TO SPANDREL BEAM.

L3X3X1/4" CONTINUOUS ANGLE, WELD TO SPANDREL BEAM, AND SECURE STUDS TO CONTINUOUS ANGLE.

SEE ARCH. PLANS FOR WALL STUDS AND SHEETING DETAILS AND NOTES

# SECTION (ALTERNATE) OIA



*C.V. Surendran*  
09-08-09

## SUPPLEMENTARY DRAWING NO. 32

NEW HIGH SCHOOL FOR HALE CENTER IND. SCHOOL DISTRICT  
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SPANDREL BEAM, SECURE TO BUILDING FRAME, DESIGNED AND PROVIDED BY METAL BUILDING MANUFACTURER.

SPANDREL BEAM ELEVATION 112'-6" \*

L4X4X $\frac{1}{4}$ " CLIP ANGLE- 18" LONG, WELD TO COLUMN FLANGE, BOLT TO SPANDREL BEAM.

SEE ARCH. PLANS FOR WALL STUDS AND SHEETING DETAILS AND NOTES

6" CSJ 20 GAGE GALVANIZED WALL STUDS AT 16" ON CENTERS.

SECURE THE STUDS TO THE SPANDREL BEAM AS NOTED ON "THE STUD ATTACHMENT DETAILS" ON SHEET S-9.

$\frac{3}{4}$ " (G.C. TO FIELD VERIFY)

\* NOTE:  
THE ELEVATION OF THE SPANDREL BEAM MAY CHANGED TO A LOWER LEVEL, BUT AT A LEVEL TO CLEAR CEILING ELEVATION.

**SECTION**

**01**



*C.V. Surendran*  
09-08-09

## SUPPLEMENTARY DRAWING NO. 33

NEW HIGH SCHOOL FOR HALE CENTER IND. SCHOOL DISTRICT  
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