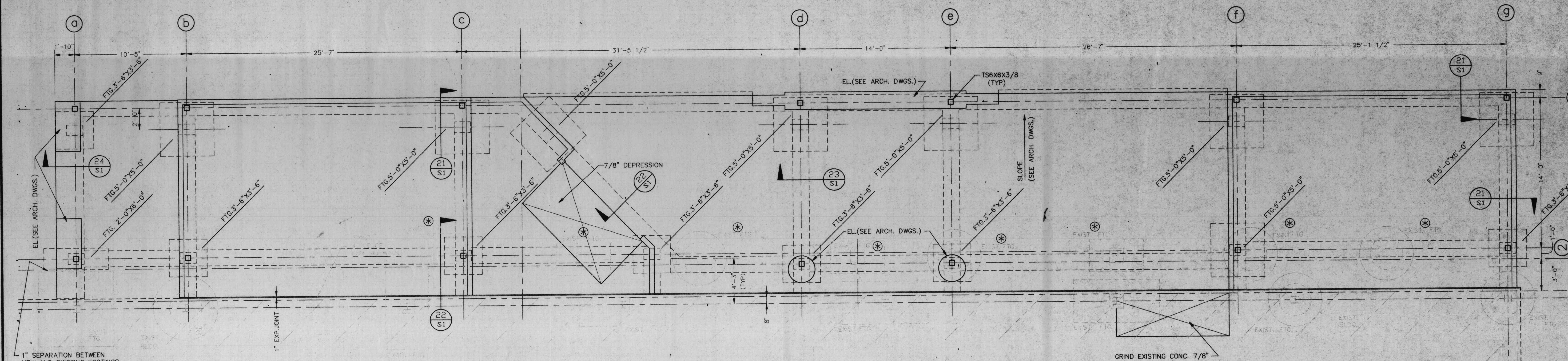
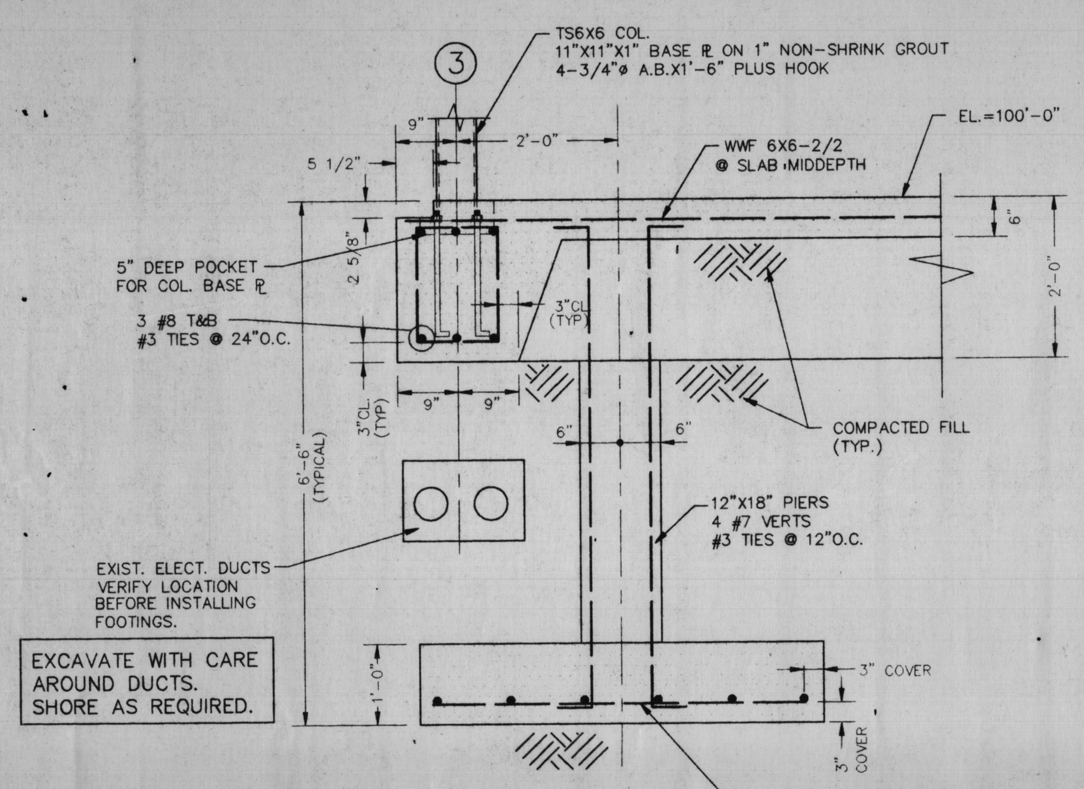


FOUNDATION & FLOOR FRAMING PLAN

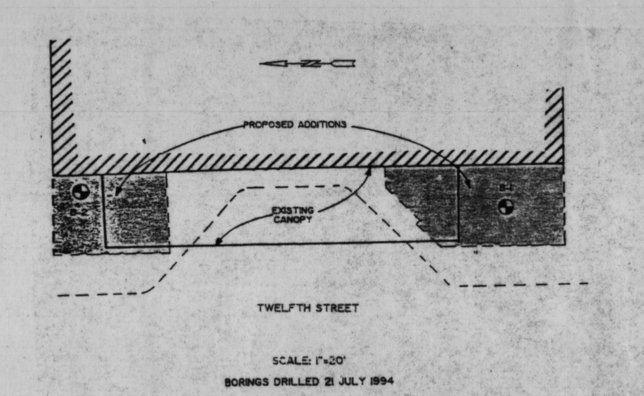
1/4"=1'-0"

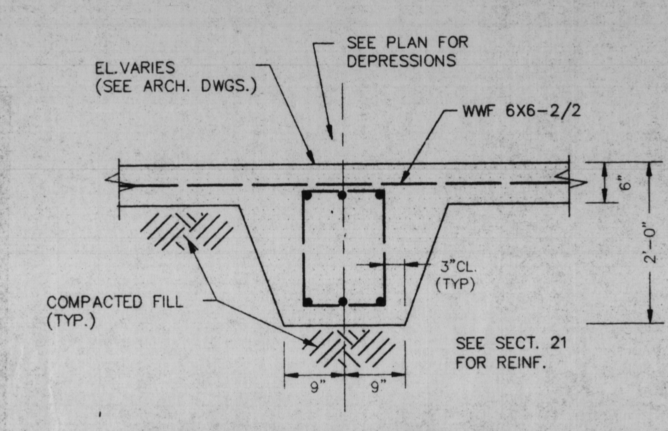
⊛ DENOTES EXISTING FOOTING & PIERS TO BE REMOVED.

EXCAVATE 5'-0" BELOW EXISTING GRADE UNDER BUILDING FOOT PRINT (SEE SPECS. 02200)

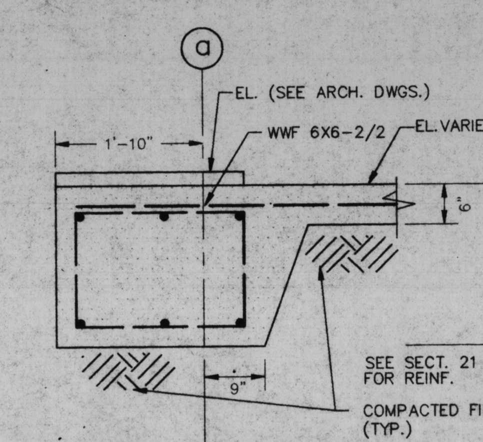


SECTION 21/S1
3/4"=1'-0"

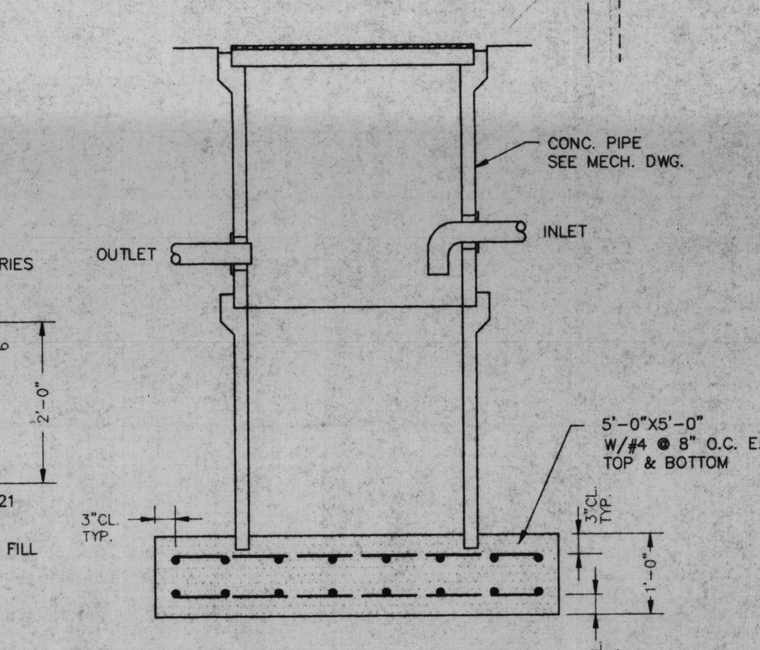




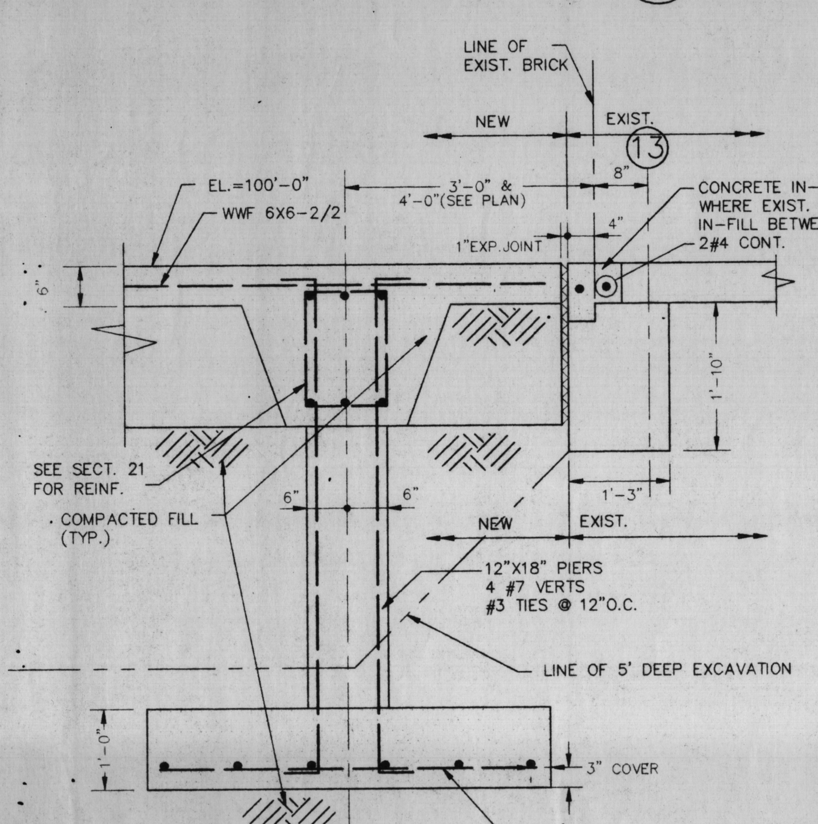
SECTION 23/S1 (TYPICAL @ b,c,d,e&f)
3/4"=1'-0"



SECTION 24/S1
3/4"=1'-0"



DILUTION BASIN



SECTION 22/S1
3/4"=1'-0"

EUSTIS ENGINEERING COMPANY, INC.

LOG OF BORING AND TEST RESULTS
SLIDELL MEMORIAL HOSPITAL, LAB/EMERGENCY ROOM RENOVATIONS
SLIDELL, LOUISIANA
(SHEET 1 OF 1)

Ground Elev.: Datum: Gr. Water Depth: See Text Job No.: 13046 Date Drilled: 7/21/94 Boring: 1 Refer To "Legends & Notes"

PP	SPT	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density Dry	Density Wet	Shear Tests Type	Ø	C	Atterberg LL	PL	PI	Other Tests
		Loose gravelly sand	SW	1	0.5										
	34	Extremely stiff tan & gray clay w/shell layers	CH	2	1-2										
	10	Stiff brown & gray sandy clay w/sand layers & organic matter	CL	3	4-5	17						24			
2.40		Very stiff gray & tan silty clay w/sand pockets	CL	4	6-7	23	104	127	UC	--	2085				
2.30				5	8-9										
1.70		Stiff gray & tan sandy clay	CL	6	11-12	23	104	128	UC	--	1165				
1.25		Medium stiff light gray & tan clay w/silt pockets	CH	7	14-15	31	91	118	UC	--	985				
1.70		Stiff light gray clay	CH	8	18-19	25	100	125	UC	--	1760				
0.50		Loose to medium compact gray sandy silt w/clay lenses	ML	9	23-24	27	98	124	OB	--	685				
		Loose gray fine sand w/silty sand layers	SP	10	27-28										
	31	Dense gray fine sand	SP	11	29-30										
	50=8"	Very dense gray fine sand	SP	12	32-33										
	44	Dense gray fine sand	SP	13	35-36										
	50			14	39-40										

EUSTIS ENGINEERING COMPANY, INC.

LOG OF BORING AND TEST RESULTS
SLIDELL MEMORIAL HOSPITAL, LAB/EMERGENCY ROOM RENOVATIONS
SLIDELL, LOUISIANA
(SHEET 1 OF 1)

Ground Elev.: Datum: Gr. Water Depth: See Text Job No.: 13046 Date Drilled: 7/21/94 Boring: 2 Refer To "Legends & Notes"

PP	SPT	Visual Classification	USC	Sample Number	Depth in Feet	Water Content Percent	Density Dry	Density Wet	Shear Tests Type	Ø	C	Atterberg LL	PL	PI	Other Tests
		4" Concrete													
	18	Dense gray & white shells	SC	1	1-2										
		Medium dense gray & tan clayey sand w/few shells	CL												
		Stiff brown silty clay w/organic matter & decayed roots		2	4-5	29	87	112	OB	--	1395				
		Stiff gray silty clay	CL	3	6-7	22						37			
2.30		Stiff tan & gray clay w/silt pockets	CH	4	8-9	29	97	125	UC	--	1340				
3.00				5	11-12	28	96	123	UC	--	1535				
2.30		Stiff light gray & tan clay w/silt pockets	CH	6	14-15	26	99	125	UC	--	1635				
1.80		Stiff light gray clay	CH	7	18-19	26	96	121	UC	--	1500				
		Loose light gray clayey silt w/clay layers & decayed roots	ML	8	23-24	31	91	119	OB	--	285				
	14	Medium dense gray silty sand w/few roots	SM	9	26-27										
	30	Medium dense gray fine sand	SP	10	29-30										
		Loose gray fine sand w/clay layers	SP	11	31.5-32.5										
	43	Dense gray fine sand	SP	12	33-34										
	39			13	36-37										
	50=10"	Very dense gray fine sand	SP	14	39-40										

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL DIMENSIONS AND FIT-UP OF THE STRUCTURE, INCLUDING VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE COMMENCING WORK.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, PLACEMENT, MAINTENANCE, ETC. OF ANY AND ALL SHORING, BRACING, TIE BACKS, ETC. NEEDED TO SUPPORT ANY PART OF THE NEW OR EXISTING CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PROCESS TO ENSURE THE SAFETY AND INTEGRITY OF THE STRUCTURE UNTIL THE NECESSARY PERMANENT ELEMENTS ARE IN PLACE.
4. SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXACT LOCATION OF ALL DEPRESSIONS, SLOPES, OPENINGS, PENETRATIONS, ETC. PENETRATIONS THROUGH BEAMS OR OPENINGS IN STRUCTURAL ELEMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
5. ALL ELEVATIONS REFER TO FIRST FLOOR = 100'-0"= 16.14 M.S.L.
6. ALL SLABS, BEAMS, AND FOOTINGS SHALL BE SUPPORTED ON EXISTING UNDISTURBED SOIL OR ON NON-EXPANSIVE TYPE FILL COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.
   DESIGN SOIL PRESSURE = 2000 LBS. PER SQ. FT.
7. PLACE .006 INCH VISQUEEN MEMBRANE BENEATH ALL BUILDING SLABS AND BEAMS ON GRADE. LAP 12" TO ACCOMMODATE CONCRETE POURING DIRECTION.
8. CONCRETE STRENGTH SHALL BE 3000 PSI AT 28 DAYS (150 LBS. PER CUBIC FT.)
9. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615 GRADE 60.
10. ALL REINFORCING SHALL BE SPLICED WITH A CLASS "B" SPLICE IN ACCORDANCE WITH ACI 318-89.
11. WELDED WIRE FABRIC (WWF) SHALL BE IN ACCORDANCE WITH ASTM A-185. WIRE SHALL CONFORM TO ASTM A82. LAP ALL FABRIC ONE WIRE SPACING PLUS 2 INCHES. SUPPLY WWF IN SHEETS.
12. REINFORCING OR FABRIC ON GRADE SHALL BE CHAIRED WITH 3000 PSI CONCRETE BRICKETTES SPACED TO ADEQUATELY SUPPORT THE REINFORCING, BUT NOT GREATER THAN 3'-0" O.C. EACH WAY.
13. INSTALL CORNER BARS IN THE OUTSIDE FACE OF EDGE BEAMS AT EVERY CORNER ONE TOP AND ONE BOTTOM.
14. PROVIDE A 90 DEGREE HOOK ON ALL TOP REINFORCEMENT IN ALL SLABS, JOISTS, AND BEAMS AT DISCONTINUOUS ENDS.
15. REMOVE VISQUEEN AND EARTH FILL FROM THE TOPS OF PIERS BEFORE POURING GRADE BEAMS.
16. WHEN EXISTING CONCRETE AT THE FIRST FLOOR LEVEL IS REMOVED TO INSTALL NEW UTILITIES, ETC., THE CONTRACTOR SHALL NOT CUT DAMAGE OR BEND EXISTING REINFORCEMENT. REINFORCEMENT THAT IS CUT, DAMAGED OR BENT, SHALL BE REPLACED USING LAPS AS SPECIFIED ABOVE.
17. ALL CONCRETE SIDEWALKS THAT ARE NOT PILE-SUPPORTED SHALL BE 4" THICK AND REINFORCED WITH WWF 6X6 -10/10.
18. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM A-36.
19. TUBE SECTIONS SHALL BE ASTM A-500 GRADE B (46 KSI YIELD).
20. PIPE SECTIONS SHALL BE ASTM A53 TYPE S, GRADE B (35 KSI YIELD).
21. NO SPLICES IN STRUCTURAL STEEL SHALL BE ACCEPTED WITHOUT SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER EXCEPT WHERE SHOWN ON STRUCTURAL DRAWINGS.
22. ALL CONNECTION BOLTS SHALL BE 3/4" DIAMETER ASTM A-325X AND ALL ANCHOR BOLTS SHALL BE 3/4" DIAMETER ASTM A-307 UNLESS NOTED OTHERWISE.
23. UNLESS NOTED OTHERWISE EVERY WELD SHALL DEVELOP THE FULL STRENGTH OF THE LESSER OF THE MEMBERS IT JOINS. ALL BUTT, GROOVE, OR BEVEL WELDS SHALL BE COMPLETE, FULL PENETRATION.
24. WHERE POSSIBLE, ALL BOLT HOLES IN STRUCTURAL STEEL SHALL BE DRILLED IN THE SHOP. ANY HOLES REQUIRED TO BE MADE AT THE PROJECT SITE SHALL BE MECHANICALLY DRILLED. NO BURNING OF HOLES SHALL BE ALLOWED.
25. STEEL JOISTS AND ACCESSORIES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST STEEL JOIST INSTITUTE SPECIFICATIONS.
26. STRUT JOISTS ARE NOTED ON THE PLAN THUS (S.J.) AND SHALL HAVE BOTTOM CHORD MEMBERS SAME AS TOP CHORD. DO NOT CONNECT BOTTOM CHORD TO BEAM OR COLUMN UNTIL FLOOR OR ROOF LOAD IS IN PLACE ON JOIST.
27. ITEMS IMPOSING CONCENTRATED LOADS ON STEEL JOISTS SHALL BE PLACED AT JOIST PANEL POINTS. WHERE ITEMS ARE NOT AT JOIST PANEL POINTS, THE JOIST SHALL BE REINFORCED TO DISTRIBUTE THE LOAD TO THE PANEL POINTS.
28. ROOF AND FLOOR DECK OPENINGS LARGER THAN 12 INCHES, WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.
29. STEEL ROOF AND FLOOR DECK SHALL BE SUPPORTED AROUND ALL OPENINGS, COLUMNS, ROOF PENETRATIONS, HIPS, AND VALLEYS.
30. STEEL ROOF AND FLOOR DECK SHALL BE ATTACHED TO THE STRUCTURE BY WELDING. FASTENERS SHALL BE LAID OUT IN EQUAL SPACING AS DESCRIBED BELOW. WELDING WASHERS SHALL BE USED ON ALL DECK THINNER THAN 22 GAGE. SIDELAPS OF 22 GAGE OR THINNER DECK SHALL BE ATTACHED WITH #10 TEK SCREWS, OTHERS MAY BE WELDED OR SCREWED.

   DECK WELDING PATTERNS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE'S SECOND EDITION OF THE DIAPHRAGM DESIGN MANUAL AS FOLLOWS (SEE VULCRAFT CATALOG OR SDI DIAPHRAGM MANUAL FOR LAYOUT DIAGRAMS):

VULCRAFT DECK TYPE	FASTENER LAYOUT AT EVERY SUPPORT	SIDELAP FASTENERS/SPAN
1.5 F	36/4	4
VLI	36/4	–

31. DESIGN LIVE LOADS
   FIRST FLOOR @ NEW TRAUMA & WAITING ROOM ....100 psf
   SECOND FLOOR @ FAN ROOM ....150 psf
   ROOF .... 20 psf
   WIND .... STANDARD BLDG. CODE

94039

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