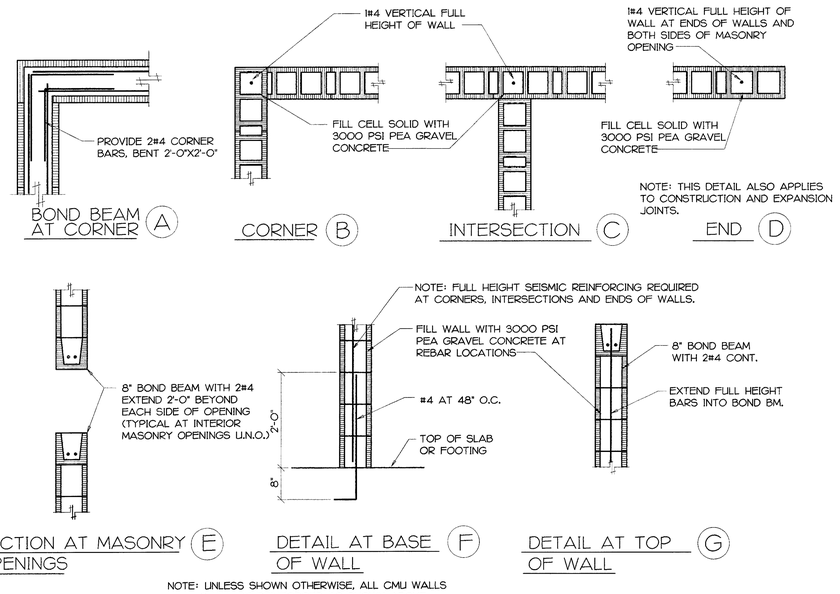
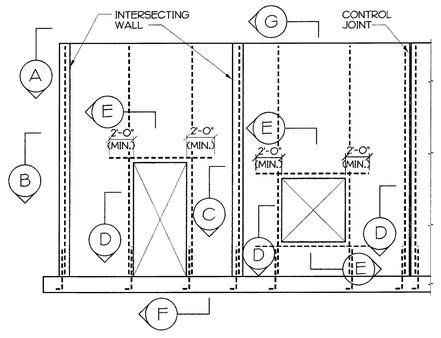
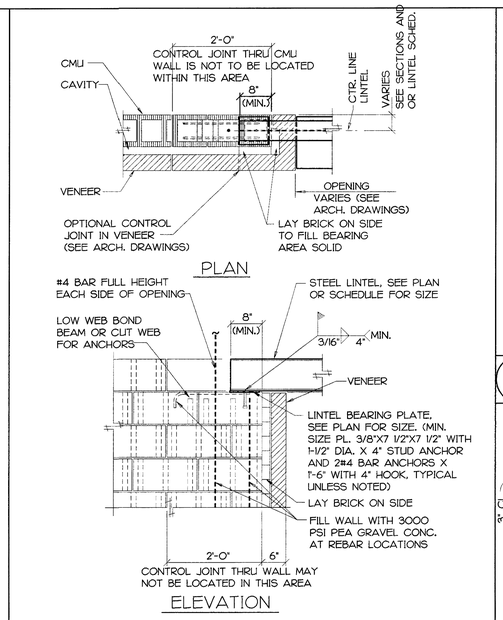


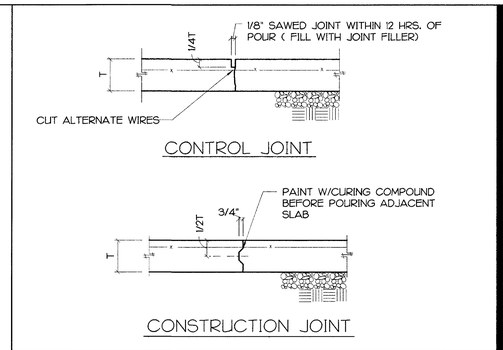
NOTE: UNLESS SHOWN OTHERWISE, ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ABOVE.



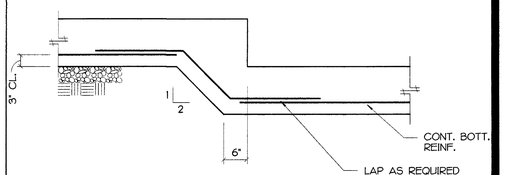
1 TYPICAL MINIMUM SEISMIC REINFORCING IN CMU WALLS (8" AND 12" CMU ONLY)
NO SCALE



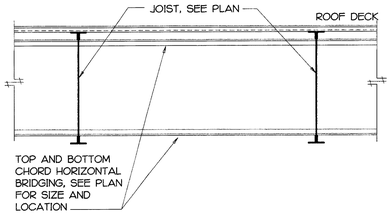
2 TYP. STEEL LINTEL BEARING ON MASONRY
NO SCALE



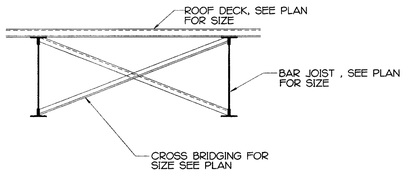
3 TYPICAL FLOOR JOINTS
NO SCALE



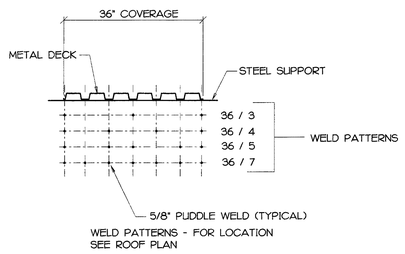
4 TYPICAL FOOTING STEP
NO SCALE



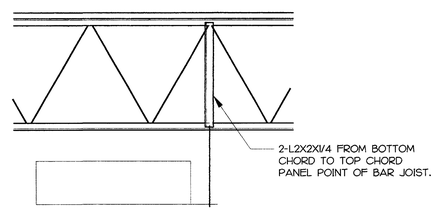
5 HORIZONTAL BRIDGING
NO SCALE



6 CROSS BRIDGING
NO SCALE

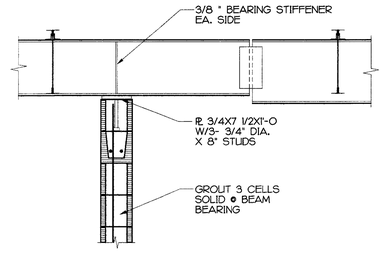


7 WELD PATTERNS
NO SCALE

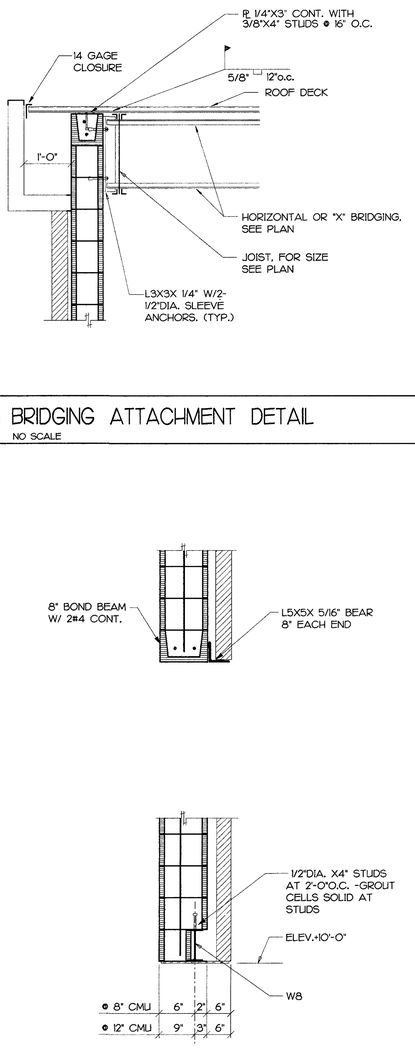


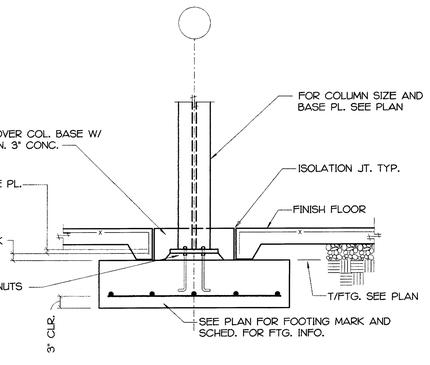
TYPICAL DETAIL - MECHANICAL EQUIPMENT HUNG FROM JOIST

8 JOIST REINFORCING DETAIL
NO SCALE



9 BRIDGING ATTACHMENT DETAIL
NO SCALE





10 STEEL COLUMN FOOTING
NO SCALE

11 FOOTING SCHEDULE
NO SCALE

COLUMN FOOTING SCHEDULE — 3000 PSF BEARING

MARK	SIZE	DEPTH	REINFORCING (EACH WAY BOTTOM)	SERVICE LOAD CAP.	REMARKS
F-2	2'-0"X2'-0"	12"	3#4	12K	
F-2.5	2'-6"X2'-6"	12"	4#4	18.8K	
F-3	3'-0"x3'-0"	12"	4#4	27K	
F-3.5	3'-6"x3'-6"	12"	5#3	36.8K	
F-4	4'-0"x4'-0"	12"	5#4	48K	
F-4.5	4'-6"x4'-6"	12"	5#4	60.8K	
F-5	5'-0"x5'-0"	12"	8#4	75K	
F-5.5	5'-6"x5'-6"	12"	8#5	90.8K	
F-6	6'-0"x6'-0"	14"	8#5	108K	
F-6.5	6'-6"x6'-6"	15"	9#5	126.8K	
F-7	7'-0"x7'-0"	16"	11#5	147K	
F-7.5	7'-6"x7'-6"	17"	9#6	168.8K	
F-8	3'-0"x7'-0"	12"	4#4 LONG WAY, 9#4 SHORT WAY	72K	

12 TYPICAL BEAM BEARING DETAIL
NO SCALE

13 TYPICAL MASONRY LINTEL DETAIL
NO SCALE

GENERAL NOTES

1. GENERAL
   - A. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
   - B. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND SHALL AT ALL TIMES TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF ITS EMPLOYEES ON THE PROJECT, AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL SAFETY LAWS AND BUILDING CONSTRUCTION CODES.
   - C. FOUNDATIONS ARE DESIGNED BASED ON GEOTECHNICAL STUDY BY LAW ENGINEERING DATED FEB. 16, 1998. ALLOWABLE BEARING PRESSURE 3000 PSF.
   - D. IF EXISTING CONDITIONS MAKE IT NECESSARY TO REVISE STRUCTURAL DETAILS, ADVISE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY CHANGE.

2. DESIGN CRITERIA:
   - A. ROOF LIVE LOAD = 22 PSF
     Pg = 20 PSF
     Pf = 22 PSF
     I = 1.0
   - B. BUILDING DESIGNED IN ACCORDANCE WITH THE 1996 NORTH CAROLINA STATE BUILDING CODE W/1997 REVISIONS.
   - C. DESIGN WIND LOADS DESIGNED IN ACCORDANCE WITH THE ANSI/ASCE 7 DESIGN WIND 80 MPH.
   - D. SEISMIC LOAD DATA 1996 NORTH CAROLINA STATE BUILDING COD W/1997 REVISIONS.
     1. Av = .10
     2. Aa = .10
     3. HAZARD EXPOSURE GROUP = II
     4. PERFORMANCE CATEGORY = CAT. C
     5. SOIL PROFILE = I
     6. BASIC STRUCTURAL = REINF. MASONRY SHEARWALLS
     7. R = 3 1/2
     8. Cd = 3
     9. ANALYSIS PROCEDURE = EQUIVALENT FORCE METHODS

3. CONCRETE
   - A. REINFORCING STEEL ASTM A615 GRADE 60
     WELDED WIRE FABRIC ASTM A185 MESH
   - B. UNLESS OTHERWISE NOTED ON THE DRAWINGS, LAP SPLICES SHALL BE A CLASS B SPLICE.
   - C. CONCRETE LOCATION — 28 DAY STRENGTH
     SLAB ON GRADE, FOOTINGS, MISC. — 3000PSI NORMAL WEIGHT

4. STRUCTURAL STEEL
   - A. STRUCTURAL STEEL SHALL BE ASTM A-36 OR ASTM A572 GRADE 50 AS NOTED ON PLANS AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC. ALL BOLTED CONNECTIONS ARE TO BE WITH A-325 HIGH STRENGTH BOLTS. CONNECTIONS ARE TO DEVELOP THE REACTIONS SHOWN ON THE DRAWINGS OR ONE HALF OF THE TOTAL LOAD CAPACITY SHOWN IN THE ALLOWABLE UNIFORM LOAD TABLES OF THE AICS MANUAL OR 5 KIPS, WHICHEVER IS GREATER. FIELD WELDS SHALL ONLY BE MADE BY OPERATORS CERTIFIED BY TESTS DESCRIBED IN AWS D1.1. SEE SPECIFICATIONS.
   - B. FABRICATORS SHOP DRAWING SHALL SHOW AND NOTE ALL MATERIAL REQUIRED WITH RELATIVE LOCATIONS AND SUFFICIENT DETAILS FOR PROPER FABRICATION AND ERECTION IN ACCORDANCE WITH ALL CONTRACT DRAWINGS AND DOCUMENTS. SEPIAS OF STRUCTURAL DRAWINGS SHALL NOT BE USED IN PREPARATION OF SHOP DRAWINGS.
   - C. METAL DECK SIZE AND GAGE SHALL BE AS INDICATED ON PLANS. ALL DECK SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATION. THREE SPAN MINIMUM. NO EQUIPMENT TO HANG FROM METAL DECK. RESPECTIVE CONTRACTOR TO PROVIDE SUPPORT AS REQUIRED. CEILING, LIGHTS, AND DUCT MAY BE HUNG FROM DECK WITH CONCRETE SLAB.
   - D. ROOF AND FLOOR OPENINGS NOT SHOWN ON PLANS SHALL BE FRAMED WITH 3-1/2 X 3-1/2 X 1/4 ANGLES.
   - E. JOIST SHALL BE DESIGNED FOR A NET UPLIFT PRESSURE OF 14 PSF DUE TO WIND. PROVIDE A SINGLE LINE OF BOTTOM CHORD BRIDGING AT THE FIRST BOTTOM CHORD PANEL POINT AS RECOMMENDED BY SJI.
   - F. = INDICATES MOMENT CONNECTION.
   - G. ALL EXTERIOR EXPOSED STEEL LINTELS TO BE GALVANIZED

5. MASONRY
   - A. MASONRY MORTAR TO BE TYPE S. PROVIDE HEAVY DUTY HORIZONTAL JOINT REINFORCING AT 16" O.C. AT ALL BLOCK WALLS. PROVIDE 1 # 4 BAR WITH CELL GROUTED SOLID AT ENDS, INTERSECTIONS, AND OPENINGS OF CMU WALLS.
   - B. GROUT FOR HOLLOW UNIT SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND SHALL BE NORMAL WEIGHT PEA GRAVEL CONCRETE.
   - C. ALL EXTERIOR WALLS AND INTERIOR CORRIDOR WALLS SHALL BE LAYED TIGHT TO BOTTOM OF ROOF DECK.
   - D. LAP SPLICES FOR REBAR IN MASONRY WALLS
     #4 - 24"
     #5 - 30"
     #6 - 36"
     #7 - 42"
     #8 - 48"
     #9 - 54"

6. STRUCTURAL CEMENT FIBER ROOF DECK SYSTEM
   - A. PROVIDE 4 1/2 " STRUCTURAL CEMENT FIBER , MINIMUM 2 SPAN CONDITION AT 6'-0" CENTER TO CENTER SPACING. ATTACH TO STRUCTURAL SUPPORTS WITH 16 GAGE CLIPS WELDED TO SUPPORT.
   - B. MANUFACTURER TO SUBMIT IN WRITING THAT ALL CONNECTIONS OF CLIP TO PLANK ARE CAPABLE OF RESISTING NET UPLIFT PRESSURES AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODE AND PROVIDE A DIAPHRAM FORCE OF 300 POUNDS PER LINEAL FOOT (SERVICE LOAD).

REFERENCE DRAWINGS

S-1	FOUNDATION PLAN / FLOOR PLAN "A"
S-2	FOUNDATION PLAN / FLOOR PLAN "A"
S-3	FOUNDATION PLAN / FLOOR PLAN "B"
S-4	ROOF FRAMING PLAN / FLOOR PLAN "A"
S-5	ROOF FRAMING PLAN / FLOOR PLAN "A"
S-6	ROOF FRAMING PLAN / FLOOR PLAN "B"
S-7	GENERAL NOTES, SECTIONS AND DETAILS
S-8	SECTIONS AND DETAILS
S-9	SECTIONS AND DETAILS
S-10	SECTIONS AND DETAILS

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CHEROKEE COUNTY, N.C.

CHEROKEE COUNTY SCHOOLS

SHEET TITLE
GEN. NOTES, SECTIONS AND DETAILS

DRAWN BY	APPROVED BY
	A.O.

JOB NO. AMS-97103
APPROVAL DATE 4/22/98
BID ISSUE DATE 4/28/98
REVISIONS

SHEET S-7
OF 10

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