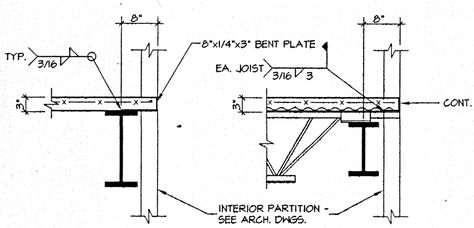
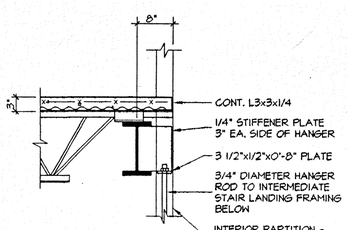


SECTION 1/ST 3/4" = 1'-0"



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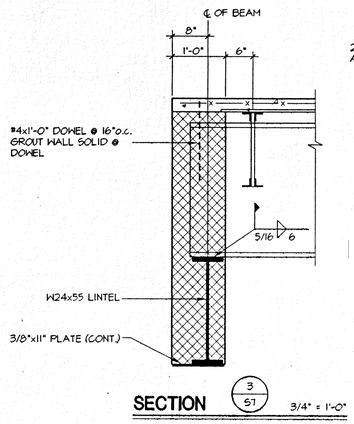
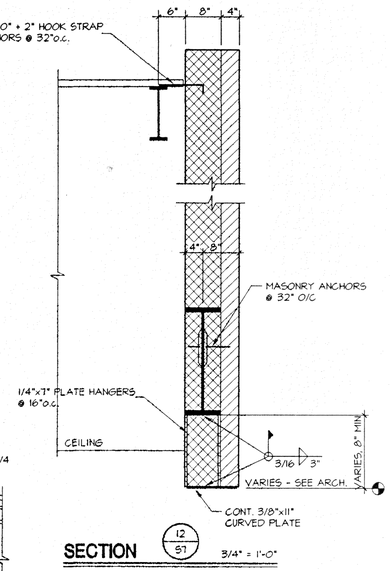
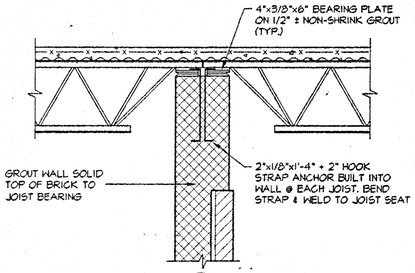


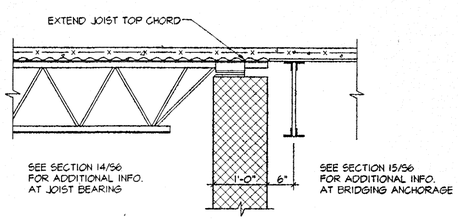
SECTION 3/ST 3/4" = 1'-0"



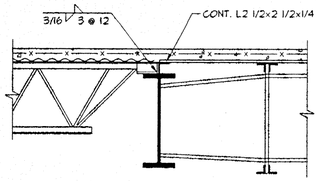
SECTION 12/ST 3/4" = 1'-0"



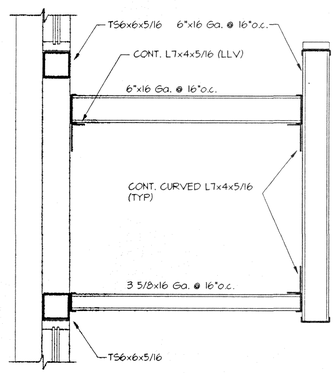
SECTION 4/ST 3/4" = 1'-0"



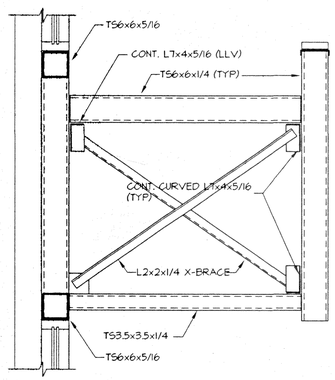
SECTION 5/ST 3/4" = 1'-0"



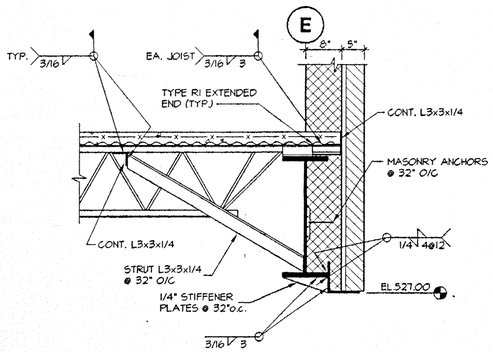
SECTION 6/ST 3/4" = 1'-0"



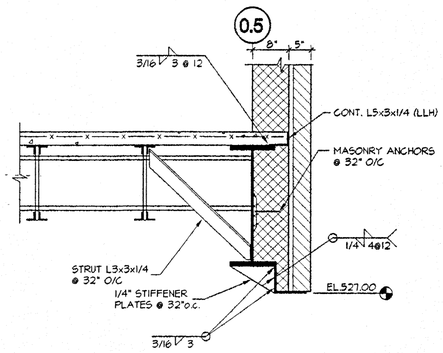
SECTION 11/ST 3/4" = 1'-0"



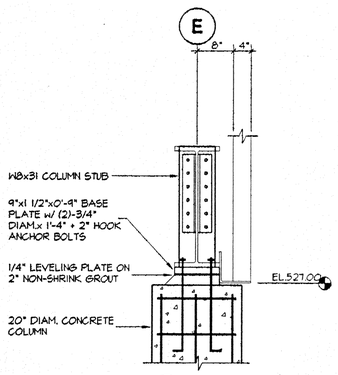
SECTION 10/ST 3/4" = 1'-0"



SECTION 7/ST 3/4" = 1'-0"



SECTION 8/ST 3/4" = 1'-0"



SECTION 9/ST 3/4" = 1'-0"

LINTEL SCHEDULE

MARK	SIZE & REINFORCING	NOTES
L-1	L4x3-1/2x3-1/2 (LLV) FOR EA. 4" OF WALL THICK.	LLL
L-2	L6x3-1/2x3-1/2 (LLV) FOR EA. 4" OF WALL THICK.	LLL
P	4"x8" PRECAST w/ (1)-#5 TOP AND BOTTOM FOR EACH 4" OF WALL THICKNESS	

STRUCTURAL GENERAL NOTES

DIMENSIONS
THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS INDICATED ON THESE DRAWINGS AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.

STABILITY
THE BASIC STABILITY OF THE STRUCTURE IS DEPENDENT UPON THE DIAPHRAGM ACTION OF THE ROOF, FLOORS, AND WALLS ACTING TOGETHER. CONTRACTOR SHALL PROVIDE ALL GUYS, BRACES, STRUTS, ETC., AS REQUIRED TO ACCOMMODATE ALL LIVE, DEAD, AND WIND LOADS UNTIL THE FINAL CONNECTIONS BETWEEN THESE ELEMENTS ARE MADE.

COORDINATION
THE CONTRACTOR SHALL VERIFY/COORDINATE FLOOR SLAB DEPRESSIONS, ROOF OPENINGS, FLOOR OPENINGS, WALL OPENINGS, DUCT AND PIPE OPENINGS, EQUIPMENT PADS, ETC. WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

FOUNDATIONS
DESIGN CRITERIA PER HILLIS CARNES ENGINEERING ASSOCIATES, INC. GEOTECHNICAL REPORT OF DECEMBER 5, 1997:
FOOTING DESIGN BEARING CAPACITY: 4000 PSF (U.O.N.)
EQUIVALENT FLUID PRESSURE FOR BASEMENT WALL: 60 PSF
EQUIVALENT FLUID PRESSURE FOR RETAINING WALLS: 45 PSF
FOOTING FROST PROTECTION BELOW FINISHED GRADE: 2'-6" MINIMUM

CAST IN PLACE CONCRETE AND REINFORCING
ALL CONCRETE SHALL CONFORM TO ACI 301, ACI 318, ACI 315.
ALL CONCRETE SHALL HAVE THE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
REINFORCING - ASTM A 615, GRADE 60.
WELDED WIRE FABRIC - ASTM A 185.
SPLICE LAPS FOR ALL REINFORCING SHALL BE CLASS "B" SPLICE.

MASONRY
MASONRY WORK SHALL COMPLY WITH ACI 530.1/ASCE 6 "SPECIFICATIONS FOR MASONRY STRUCTURES".
CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90.
CONCRETE MASONRY UNITS SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI AND A MINIMUM PRISM STRENGTH OF F'm = 1,500 PSI.
BRICK UNITS SHALL CONFORM TO ASTM SPECIFICATION C 216.
MORTAR SHALL CONFORM TO ASTM C 270, TYPE S.
ALL MASONRY WALLS SHALL BE CONTINUALLY REINFORCED WITH TRUSS TYPE DUR-O-WAL AT 16" MAXIMUM O.C. VERTICALLY. ALL SPLICES IN REINFORCEMENT SHALL BE LAPPED 6" MINIMUM AND ALL INTERSECTIONS OF WALLS AND CORNERS SHALL BE PROVIDED WITH PREFABRICATED "T" AND CORNER PIECES.
ALL MORTAR JOINTS IN MASONRY WALLS (HORIZONTAL AND VERTICAL) SHALL BE FILLED 100% WITH MORTAR.
REINFORCED MASONRY WALLS SHALL HAVE CELLS FILLED SOLID WITH PEA GRAVEL CONCRETE IN FOUR COURSE MAXIMUM LIFTS. PROVIDE HOLES IN BOTTOM PORTION OF EACH LIFT OF WALL TO INSURE WALL IS FILLED SOLID.
PROVIDE CONTROL JOINTS IN ALL MASONRY WALLS AT 30'-0" ON CENTER MAXIMUM.
SPLICE LAPS FOR MASONRY REINFORCEMENT SHALL BE 48 BAR DIAMETERS, UNLESS NOTED

LINTELS
ALL OPENINGS IN MASONRY WALLS AND PARTITIONS ARE TO BE PROVIDED WITH LINTELS. LINTELS SHALL BE STRUCTURAL STEEL OR PRECAST CONCRETE AS INDICATED IN THE LINTEL SCHEDULE. ALL LINTELS SHALL HAVE 8" MINIMUM BEARING AND SHALL BE SET IN A FULL BED OF MORTAR. CONTRACTOR SHALL COORDINATE SIZE, TYPE AND LOCATION OF LINTEL WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

STRUCTURAL STEEL
FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATIONS AND AWS D1.1
ALL STRUCTURAL STEEL SHALL BE ASTM A36, UNLESS NOTED.
PIPE COLUMNS: ASTM A 53, GRADE B.
TUBE COLUMNS: ASTM A 500, GRADE B.
WELDING ELECTRODES: E70XX
HIGH STRENGTH BOLTS: ASTM A 325
ANCHOR BOLTS: ASTM A 307
SHOP COAT ALL STRUCTURAL STEEL WITH APPROVED PRIMER, UNLESS NOTED.

STEEL JOISTS
ALL JOISTS AND SHALL CONFORM TO THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL AND JOIST GIRDERS" AS PREPARED BY STEEL JOIST INSTITUTE AND AISC.

METAL DECK
FABRICATION AND ERECTION OF STEEL DECK SHALL CONFORM TO STEEL DECK INSTITUTE SPECIFICATIONS.
STEEL DECK - ASTM A 653 (50), GRADE 33
GALVANIZING - ASTM A 924, FLOOR DECK G 60 GALVANIZED COATING.
ROOF DECK G 90 GALVANIZED COATING.
ATTACH DECK 24 GA. AND LIGHTER THROUGH 16 GA. WELDING WASHERS.
PLACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
FASTEN SIDE LAPS AT 3'-0".

STEEL STAIRS
STAIR FRAMING SHALL BE DESIGNED FOR A LIVE LOAD OF 100 PSF AND APPLICABLE CONCENTRATED LOADS.

LIGHTGAUGE METAL FRAMING
ALL MEMBERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-924 AND SHALL BE FORMED FROM STEEL THAT MEETS THE REQUIREMENTS OF:
16 GAUGE & HEAVIER - ASTM A-653 SQ, GRADE 50
18 GAUGE & LIGHTER - ASTM A-653 SQ, GRADE 33
SIZES INDICATED ON THE DRAWINGS ARE MINIMUM ACCEPTED SIZES.
ALL STRUCTURAL PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

SHOP DRAWINGS
ORIGINAL SHOP DRAWINGS SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER'S REVIEW FOR THE FOLLOWING ITEMS:

- CONCRETE AND MASONRY REINFORCING STEEL
- STRUCTURAL STEEL, STEEL JOISTS, JOIST GIRDERS, AND METAL DECK
- STEEL STAIRS

IF A CONTRACTOR OR OWNER FAILS TO SUBMIT THE SHOP DRAWINGS, THE FIRM, MINCIN PATEL MILANO, INC. WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS INTERPRETATION OF THE INTENT OF THE STRUCTURAL DRAWINGS.

INSPECTION
AN INDEPENDENT INSPECTION AGENCY, APPROVED BY THE ARCHITECT/ENGINEER, SHALL INSPECT/MONITOR/TEST THE FOLLOWING ITEMS:

- EARTHWORK OPERATIONS INCLUDING VERIFICATION OF SOIL BEARING CAPACITY
- CAST IN PLACE CONCRETE AND REINFORCING STEEL
- STRUCTURAL STEEL, STEEL JOISTS, AND METAL DECK
- STEEL STAIR FRAMING

COPIES OF THE INSPECTORS WEEKLY LOGS AND FINAL REPORTS CERTIFYING THAT THE ITEMS INSPECTED HAVE BEEN INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER.

LIVE LOADS
THIS BUILDING (ADDITION) HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:

ROOF: 30 PSF
FLOOR: 75 PSF
WIND: PER BOCA 1993 (SECTION 1611.0)
BASIC WIND SPEED OF 80 MPH
EXPOSURE B
IMPORTANCE FACTOR OF 1

Kann and Associates Inc.
207 East Redwood Street
Fourth Floor
Baltimore, MD 21202
410 234 0900
410 539 4921 Fax

Architecture
Planning
Preservation
Interior Design
Facilities Management

Mincin Patel Milano, Inc.
Consulting Engineers
1818 Pot Spring Road, Suite 12
Lutherville, Maryland 21093
Phone: (410) 561-1448
Fax: (410) 561-1599

CREATIVE SPECIALTIES
REISTERSTOWN ROAD
BALTIMORE, MD.

Revisions	Date

Released For:	
☐ Preliminary Only	
■ Bidding	2-20-98
■ Permits	2-20-98
☐ Construction	
Drawn by:	
Designed by:	
Quality Check by:	

KA Project Number: 96-110

Sheet Title:
SECTIONS AND DETAILS

Scale: 1/8" = 1'-0"

A
S-7