

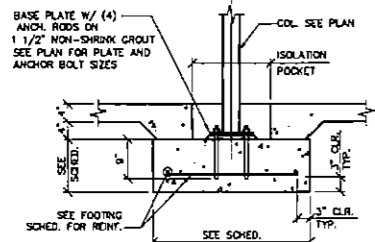
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES

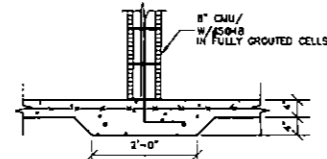
- 1/FTG INDICATES TOP OF FOOTING ELEVATION TAKEN FROM FIN. FL. EL. 0'-0".
- (F) INDICATES FOOTING MARK (SEE SCHEDULE FOR SIZE AND REINF.)
- (S) INDICATES STEP IN FOOTING (SEE DETAIL S1/S2)
- C.J. INDICATES CONTROL JOINT (SEE GENERAL NOTES)
- (C) INDICATES COLUMN SIZE (SEE SCHEDULE)

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	REMARKS
(A)	6x6x1/8	PLATE - 3/4" x 1'	(1) 3/4" DIA.	
(B)	6x6x1/4	PLATE - 3/4" x 1'	(1) 3/4" DIA.	
(C)	7x7x1/4	PLATE - 3/4" x 1'	(1) 3/4" DIA.	
(D)	6x6x1/4	PLATE - 3/4" x 1'	(1) 3/4" DIA.	

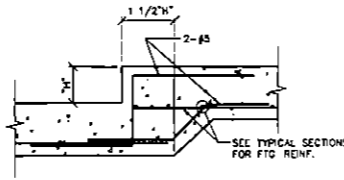
FOOTING SCHEDULE			
MARK	FOOTING SIZE	THICKNESS	REINFORCEMENT
(A)	6'-0" x 6'-0"	12"	(3) #4 E.W.
(B)	7'-0" x 7'-0"	12"	(3) #4 E.W.
(C)	9'-0" x 9'-0"	12"	(4) #4 E.W.
(D)	MASONRY DW	12"	#5 AT 10" E.W.



SECTION 1
S1.0 SCALE: 3/4" = 1'-0"



SECTION 2
S1.0 SCALE: 3/4" = 1'-0"



TYPICAL STEP FOOTING
SCALE: N.T.S.

GENERAL NOTES:

1. THESE NOTES SHALL APPLY EXCEPT WHERE OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
 2. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED ON THE DRAWINGS.
 3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR DRIPS, CHAMFERS, REGISTS, RUSTICATIONS, SLOTS, SLEEVES, ANCHORS AND INSERTS.
 4. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING OR SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.
 5. SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS & LOCATIONS OF SLAB DEPRESSIONS.
- LOADING NOTES:**
1. THESE STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE.
 2. ROOF LOADS:
LIVE LOAD = 20 PSF (MINIMUM)
LIVE LOAD IS EQUIVALENT TO 2 1/2" OF WATER PONDING.
DEAD LOAD = 15 PSF (11 PSF ROOFING) EXCLUDES JOIST GROSS WEIGHT
ROOF IS NOT DESIGNED FOR FUTURE MECHANICAL EQUIPMENT SUPPORT.
 3. FLOOR LOADS:
LIVE LOAD = 50 PSF
DEAD LOAD = 68 PSF
 4. WIND LOADS:
V₅₀ = 90 MPH
EXPOSURE CATEGORY = B.
I_w = 1.15
COMPONENTS & CLADDING PRESSURE: 20.5 PSF
 5. SEISMIC:
S₁ = .10
S₂ = .27
SITE CLASS = C
SEISMIC DESIGN CATEGORY = B
SEISMIC USE GROUP = 1
BASE SHEAR = 56K
 6. LATERAL LOAD RESISTING SYSTEM ARE ORDINARY REINFORCED MASONRY SHEAR WALL FOUNDATION NOTES:

- FOUNDATION NOTES:**
1. FOUNDATIONS ARE DESIGNED FOR AN ASSUMED SOIL PRESSURE OF 2000 PSF. SOIL BEARING PRESSURES SHALL BE VERIFIED DURING CONSTRUCTION BY A REGISTERED SOILS ENGINEER PRIOR TO PLACING CONCRETE. IF ACTUAL VALUES VARY BY MORE THAN TEN PERCENT FROM 2000 PSF, FOOTING SHALL BE REDESIGNED. ALL FOOTING ARE TO BE PLACED ON FIRM, NATURAL AND CLEAN SOIL OR COMPACTED FILL.
 2. SITE PREPARATION, FILL CONSTRUCTION, AND BACK FILL OPERATIONS SHALL BE PERFORMED UNDER A QUALITY CONTROL PROGRAM MONITORED BY A QUALIFIED GEOTECHNICAL ENGINEERING CONSULTANT.
 3. MATERIAL TO BE USED AS STRUCTURAL FILL SHALL COMPLY WITH THE REQUIREMENTS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 4. BOTTOM OF ALL FOUNDATIONS SHALL BE MIN. 12" BELOW TOP OF FINISHED GRADE.
- CONCRETE NOTES:**
1. CONSTRUCTION OR CONTROL JOINTS SHALL BE PROVIDED IN SLABS ON GRADE. SEE PLANS FOR LOCATIONS.
 2. MINIMUM CONCRETE REINFORCING COVER REQUIREMENTS:
CAST IN PLACE CONCRETE COVER
- | | |
|--|--------|
| A. CONCRETE CAST AGAINST EARTH OR DIRT OR WEATHER. | 3" |
| B. FORMED CONCRETE EXPOSED TO WEATHER. | 2" |
| #6 BAR AND LARGER | 1 1/2" |
| #5 BAR AND SMALLER | 1 1/2" |
| C. FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND. | 3/4" |
| - SLABS & WALLS | 3/4" |
| - BEAMS AND COLUMNS: | 1 1/2" |
| - PRIMARY REINFORCEMENT | 1 1/2" |
| - TIES, STRIPS | 1 1/2" |
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS WILL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
SLAB ON GRADE = 3000 PS (CLASS "A")
ALL OTHER CONCRETE = 3000 PS (CLASS "B")
EXPOSED CONCRETE = 3000 PS W/ 5% ENTRAINMENT AIR
4. ALL CONDUIT, SLEEVES AND PIPES EMBEDDED IN CONCRETE SHALL CONFORM TO SECTION 6 J OF A01 318.
 5. ALL CONCRETE TEST REPORTS SHALL BE AVAILABLE AT THE JOB SITE.
 6. CONCRETE DESIGN IS IN ACCORDANCE WITH A01 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".

- REINFORCING STEEL NOTES:**
1. REINFORCING BARS SHALL BE OF DOMESTIC MANUFACTURE AND SHALL COMPLY WITH ASTM A615. ALL BARS SHALL BE GRADE 60 AND SHALL BE DETAILED IN ACCORDANCE WITH A01 318.
 2. WELDED WIRE FABRIC SHALL CONFORM TO A185.
 3. SECTIONS DO NOT SHOW SCHEDULED REINFORCING UNLESS REQUIRED FOR CLARITY IN PLACING. ALL BARS CALLED CONTINUOUS ON PLANS, SECTIONS AND DETAILS SHALL HAVE A MINIMUM LAP OF 60 BAR DIAMETERS, CORNER BARS, AND HOOKS AT DISCONTINUOUS ENDS.
 4. REINFORCING WELDED SHALL CONFORM TO ASTM A706 AND A501. STRUCTURAL WELDING CODE-REINFORCING STEEL BY AMERICAN WELDING SOCIETY FOR COMPLIANCE W/A01 318-99 SECTION 5.5.

- STRUCTURAL LOAD BEARING MASONRY NOTES:**
1. HOLLOW LOAD BEARING MASONRY UNITS SHALL CONFORM TO ASTM C90, LIGHTWEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH $f_m = 1500$ PSI ON THE NET BLOCK AREA.
 2. MORTAR SHALL CONFORM TO ASTM C270 CEMENT-LIME, TYPE M OR S.
 3. VERTICAL CELLS, LINTELS AND BOND BEAMS SHALL BE FILLED WITH GROUT. GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 4. REINFORCING SHALL BE LAPPED 60 BAR DIAMETERS UNLESS NOTED OTHERWISE. HORIZONTAL WALL REINFORCING SHALL BE 2 W/ 7 WIRE REINFORCING AT 18" O.C. LAP 18" MINIMUM (REFER TO SPECIFICATION).
 5. PROVIDE CONTROL JOINTS AT CHANGES IN WALL THICKNESS. CHANGES IN WALL HEIGHT AND AT WALL OPENINGS. MAXIMUM SPACING BETWEEN CONTROL JOINTS SHALL BE 40 FEET.

- STRUCTURAL STEEL NOTES:**
1. ALL WIDE FLANGE STRUCTURAL STEEL SECTIONS SHALL COMPLY WITH ASTM A992, GRADE 50. ALL OTHER SECTIONS SHALL COMPLY WITH ASTM A36. STRUCTURAL TUBING SHALL COMPLY WITH ASTM A500. CONNECTION BOLTS SHALL BE ASTM A325 UNLESS NOTED OTHERWISE. PIPING ASTM A53 GRADE "B" OR ASTM A501.
 2. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF STEEL CONSTRUCTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. SHOP DRAWINGS SHALL SHOW COMPLETE WELDING INFORMATION, BOTH SHOP AND FIELD, USING AMERICAN WELDING SOCIETY SYMBOLS UNLESS OTHERWISE INDICATED OR SHOWN. BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER BOLTS TO ASTM A325 UNLESS OTHERWISE NOTED. THEY SHALL BE INSTALLED AND INSPECTED IN STRICT CONFORMANCE TO THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS.

3. CONNECTIONS FOR BEAMS WHICH CANNOT CONFORM THE TYPICAL CONNECTION DETAILS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
A. WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE DETAILED FOR THE MAXIMUM UNIFORM LOAD WHICH THE BEAM WILL SUPPORT (AS SIMPLE SPAN) FOR THE SPAN SHOWN ON THE DRAWING.
B. WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN.
C. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DETAILING THE CONNECTION.
4. STRUCTURAL STEEL HAS BEEN DESIGNED USING THE ASD METHOD.
5. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE TO SPECIFICATIONS FOR STRUCTURAL JOINTS; ASTM A325 OR ASTM A490 BOLTS.

- JOIST & JOIST GIRDERS NOTES:**
1. STRUCTURAL STEEL JOISTS SHALL BE FABRICATED AND ERECTED IN STRICT CONFORMANCE TO THE LATEST EDITION OF THE STEEL JOIST INSTITUTE STANDARDS. JOIST ERECTION PROCEDURE SHALL CONFORM STRICTLY TO STEEL JOIST INSTITUTE STANDARDS.
 2. PROVIDE DOUBLE JOIST UNDER ALL ROOF MOUNTED MECHANICAL UNITS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL SEND TO THE ARCHITECT INFORMATION GIVING THE SIZE AND OPERATING WEIGHT OF THE UNIT ACTUALLY PURCHASED FOR VERIFICATION PRIOR TO FABRICATION OF BAR JOISTS OR ROOF DECK.
 3. EXTEND JOIST BOTTOM CHORDS TYPICALLY AT COLUMN LINES. DO NOT WELD BOTTOM CHORD UNTIL ROOF DEAD LOAD IS IN PLACE.
 4. JOIST BRACING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH AISI AND THE STEEL JOIST INSTITUTE.
 5. DAMAGED MEMBERS WILL BE REJECTED. THE CONTRACTOR & THE JOIST MANUFACTURER ARE RESPONSIBLE FOR REPAIRING AND/OR REPLACING DAMAGED MEMBERS. IF REPAIRS ARE MADE, A LETTER BEARING THE SEAL OF A REGISTERED ENGINEER MUST BE PROVIDED BY THE JOIST MANUFACTURER APPROVING SUCH REPAIRS.
 6. NOTHING SHALL BE HUNG FROM BRACING OR BOTTOM CHORD JOIST EXTENSIONS. ALL HANGERS SHALL BE HUNG FROM THE BOTTOM CHORDS AT PANEL POINTS. CONCENTRATED LOADS GREATER THAN 100 POUNDS SHALL BE APPROVED BY THE ARCHITECT.
 7. ROOF JOISTS SHALL BE DESIGNED BY JOIST MANUFACTURER FOR AN UPLIFT PRESSURE OF 14 PSF NET.

- ROOF DECK NOTES:**
1. ROOF DECK SHALL BE FASTENED TO SUPPORTING STRUCTURE IN STRICT CONFORMANCE WITH THE MANUFACTURERS AND STEEL DECK INSTITUTE RECOMMENDATIONS OR AS NOTED ON PLANS.
 2. ROOF DECK SHALL BE INSTALLED IN 3 SPAN LENGTHS MINIMUM.
 3. HANGERS SHALL NOT BE ATTACHED TO ROOF DECK.
 4. DECK ATTACHMENT TO SUPPORTS SHALL BE 5/8" RIBBLE WELD WITH A 3/4" PATTERN AND 2 NO. 10 TEK SCREWS SIDE-LAP FASTENER.

- SUSPENSION FROM ROOF STRUCTURE NOTES:**
1. SUBCONTRACTORS INSTALLING CONDUIT, PIPING, OR EQUIPMENT SUSPENDED FROM THE STRUCTURE SHALL ATTEND A PRECONSTRUCTION MEETING.
 2. ATTACHMENT TO METAL DECK, BRIDGING OR JOIST STRUTS IS PROHIBITED.
 3. HANGER ATTACHMENT TO STEEL BAR JOISTS:
A. PIPE HANGERS SHALL BE ATTACHED TO BOTTOM CHORDS OF JOISTS AT PANEL POINTS WITH APPROVED STEEL WASHER PLATES AND DOUBLE NUTS. ONLY IF CONCENTRATED LOADS ARE SHOWN ON STRUCTURAL DRAWINGS.
B. PIPE HANGERS SHALL BE ATTACHED TO TOP CHORDS OF BAR JOISTS AT PANEL POINTS WITH APPROVED UNDER DECK "C" CLAMP.
C. IF HANGERS CANNOT BE INSTALLED WITHIN 3" OF PANEL POINTS, THE JOIST SHALL BE REINFORCED AS SHOWN ON STRUCTURAL DRAWINGS.
 4. PIPE HANGERS SHALL BE ATTACHED TO BOTTOM FLANGES OF WIDE FLANGE BEAMS, I-BEAMS AND CHANNELS WITH APPROVED "BEAM CLAMPS" AND "CHANNEL CLAMPS".
 5. ALL SINGLE OR MULTIPLE NEW CABLE TRAYS, PIPE RACKS OR GROUPS OF DUCTS PERPENDICULAR TO JOISTS SHALL BE SUPPORTED FROM EACH BAR JOIST AND BEAM. SUCH A SYSTEM PARALLEL TO JOISTS SHALL BE ATTACHED TO TWO ADJACENT JOISTS AT 8'-0" O.C.
 6. INDIVIDUAL PIPES TO 6" DIAMETER SHALL BE SUPPORTED FROM ALTERNATE JOISTS WHEN PIPES ARE PERPENDICULAR TO JOISTS AND AT 10'-0" O.C. MAXIMUM WHEN PIPES ARE PARALLEL TO JOISTS. INDIVIDUAL PIPES LARGER THAN 4" SHALL BE SUPPORTED AT EACH BAR JOIST WHEN PIPES ARE PERPENDICULAR TO JOISTS AND AT 10'-0" O.C. MAXIMUM WHEN PIPES ARE PARALLEL TO JOISTS.
 7. HANGERS SHALL BE ADDED AT PANEL POINTS AT ALL LOCATIONS WHERE VALVES OR FITTINGS OCCUR.
 8. ROUTING OF PIPING AND CONDUIT SHALL BE COORDINATED BY THE CONTRACTOR.

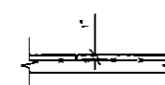
- WELDING NOTES:**
1. ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO AWS D1.1. STRUCTURAL WELD CODE BY AMERICAN WELDING SOCIETY AND PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
- LIGHT GAUGE METAL AND STEEL STAIRS:**
1. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION SHALL BE SUBMITTED FOR CURTAIN WALL GLAZING SYSTEMS, LIGHT GAUGE STEEL FRAMING, STAIRS SHALL BE SEALED & SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION. AND SHOW CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY GW DESIGN GROUP LLC.

- STAIRS AND ELEVATOR LOBBY**
- FLOOR LOADS:**
LIVE LOAD= 100 PSF
DEAD LOAD= 45 PSF
- WOOD TRUSSES:**
WOOD TRUSSES TO BE DESIGNED BY PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA
- | |
|----------------|
| TC LL = 20 PSF |
| TC DL = 10 PSF |
| BC DL = 10 PSF |

NOTE: UNLESS OTHERWISE NOTED, JOINTS SHALL BE LOCATED ALONG COL. GRID LINES, BUT IN NO CASE SHOULD THEY BE MORE THAN 30'-0" APART. ALL JOINTS SHALL BE CUT WITHIN 24 HOURS AFTER SLAB HAS BEEN PLACED.



TYPICAL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"



TYPICAL CONTROL JOINT
SCALE: 3/4" = 1'-0"



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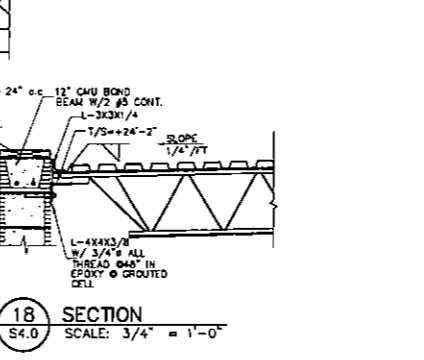
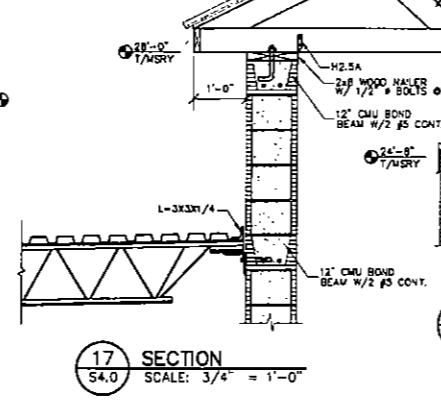
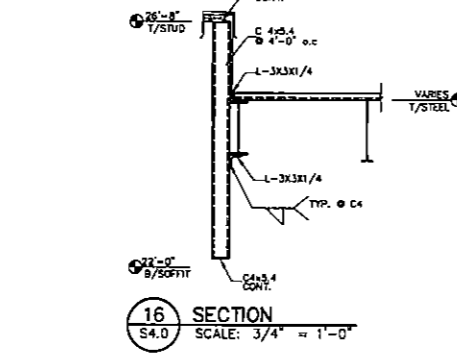
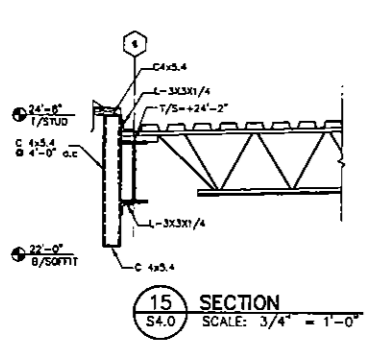
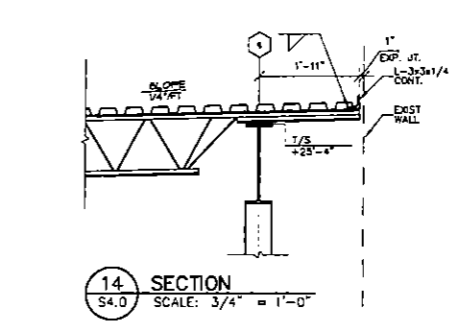
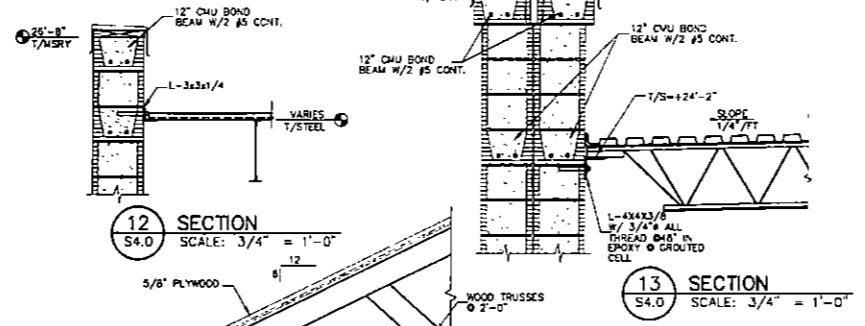
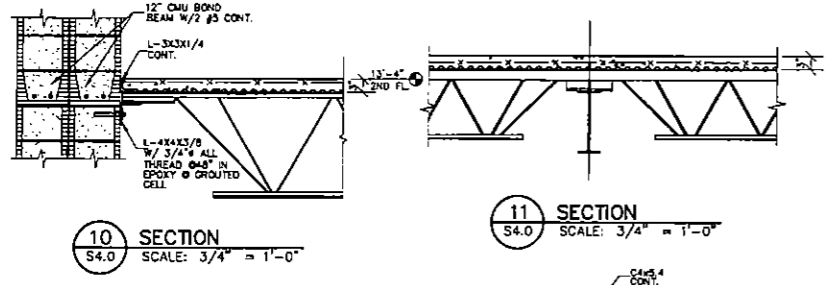
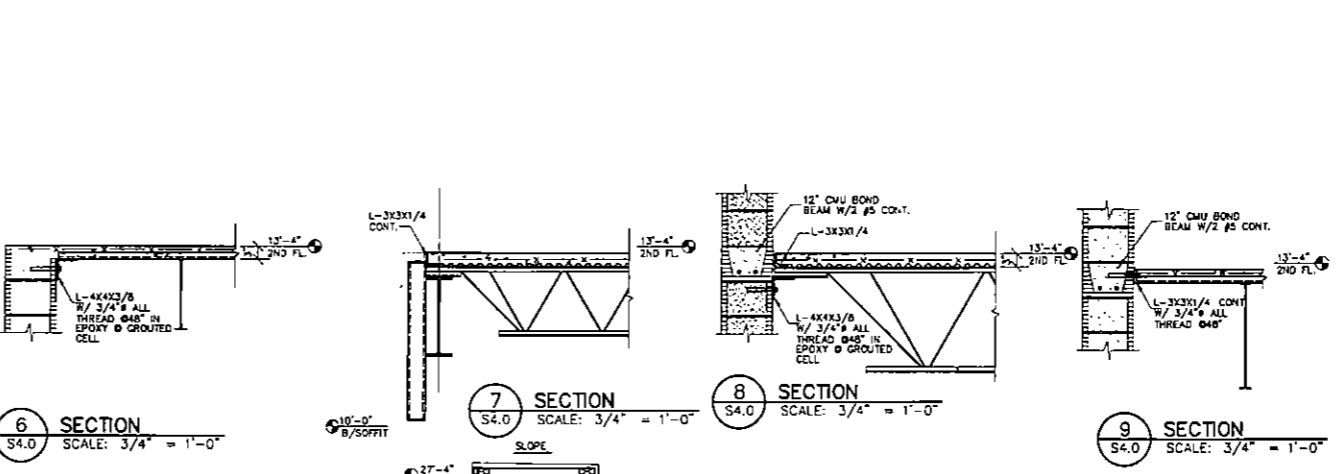
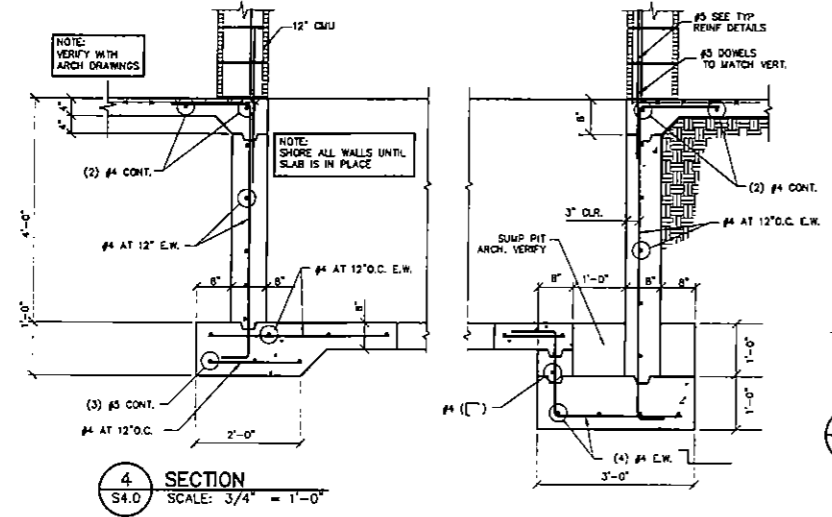
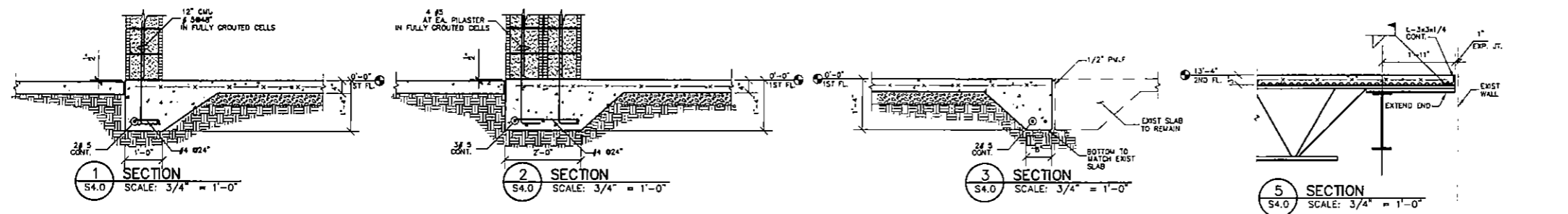
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PROJECT NUMBER
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