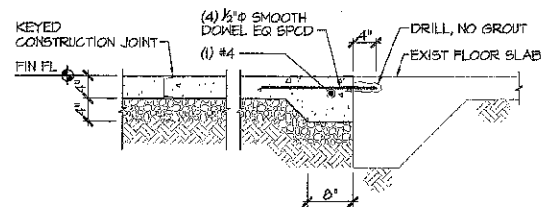


COLUMN SCHEDULE			
MARK	SIZE	BASE PL	ANCHOR BOLTS
C1	HSS 6x4x1/4	3/4"x12"x12"	(4) 3/4"ø
C2	HSS 6x6x1/4	3/4"x12"x12"	(4) 3/4"ø
C3	HSS 4x4x1/4	3/4"x12"x12"	(4) 3/4"ø

COLUMN FOOTING SCHEDULE				
MARK	SIZE	DEPTH	BOTTOM REINFORCING	TOP REINFORCING
F3.0	3'-0" SQ	12"	(3) #5 E4	NA

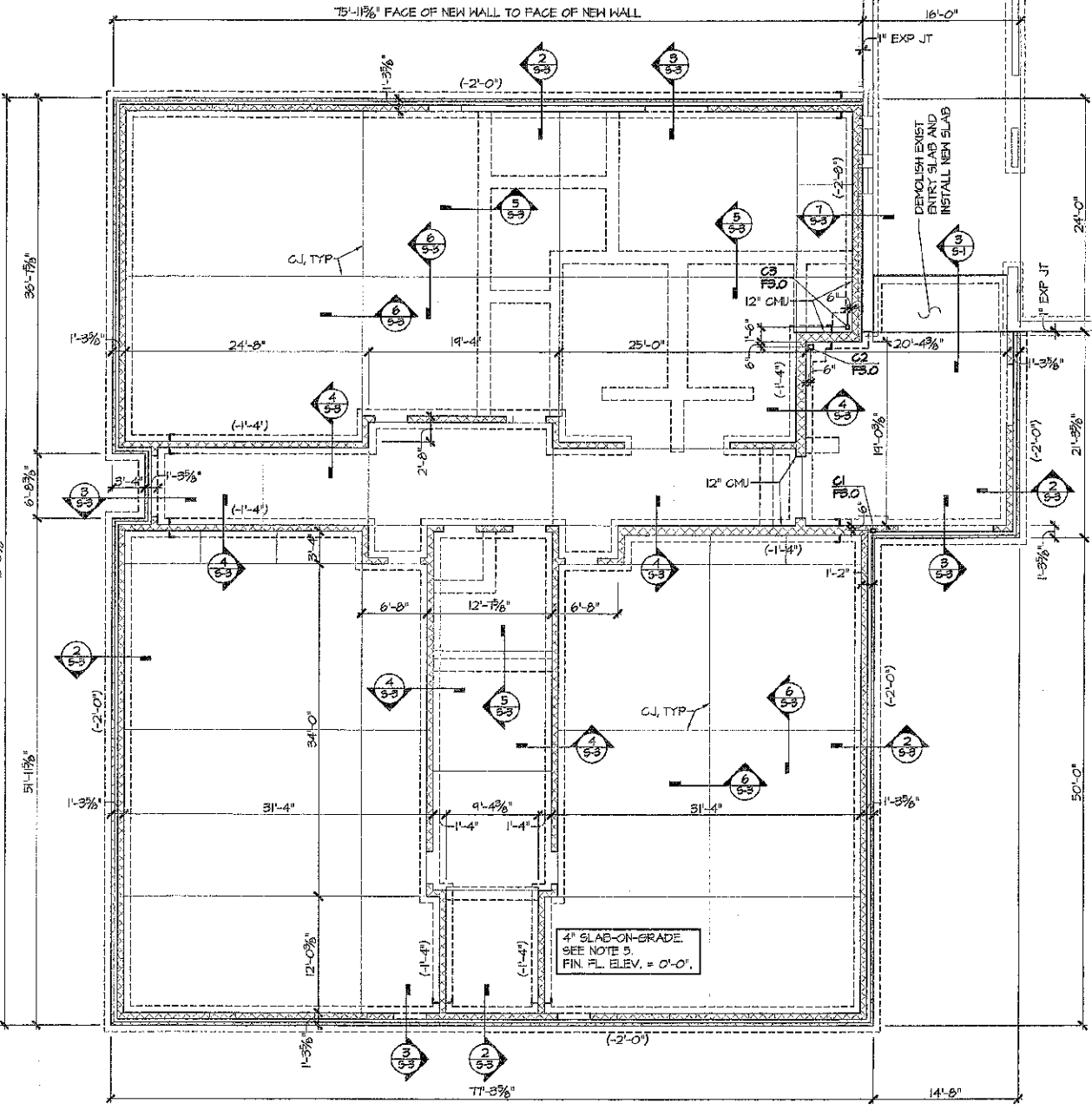
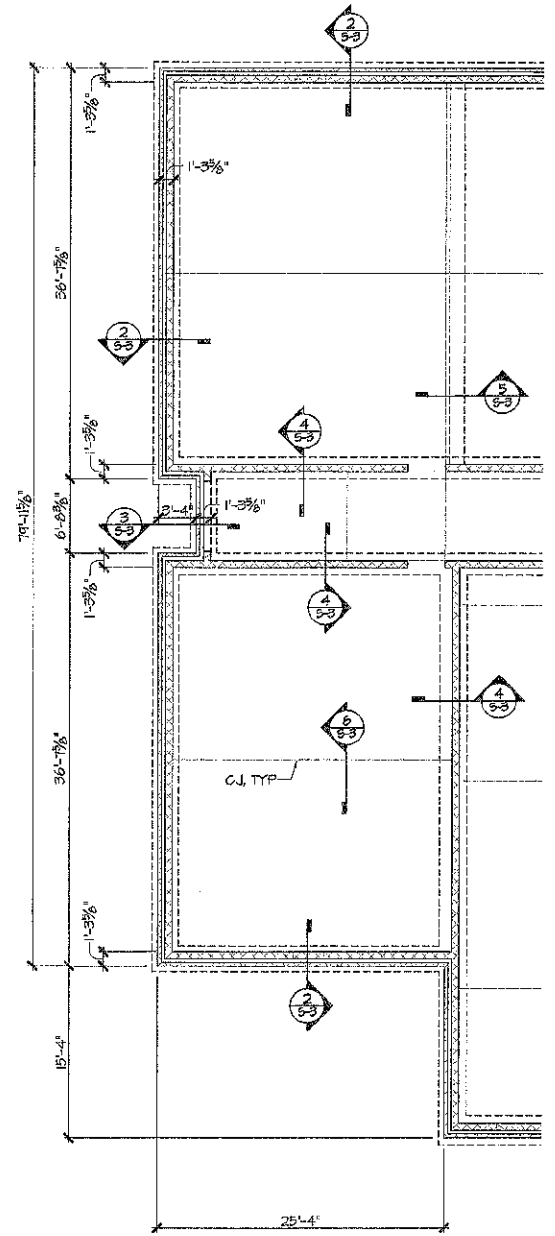


- FOUNDATION NOTES**
- SEE S3.1 FOR GENERAL NOTES.
  - REFERENCE ELEVATION IS FINISH FLOOR AT ELEVATION 0'-0". ALL ELEVATIONS SHOWN ARE REFERENCED FROM THIS ELEVATION.
  - (-X'-X") INDICATES TOP OF FOOTING ELEVATION AS MEASURED FROM THE REFERENCE ELEVATION.
  - F 7 INDICATES A STEPPED FOOTING. SEE 1/5.3.1. STEPPED FOOTINGS MAY BE REQUIRED AT PLUMBING, MECHANICAL, OR ELECTRICAL SERVICES PASSING BENEATH FOOTINGS. COORDINATE LOCATIONS AND DEPTHS OF STEPPED FOOTINGS WITH THE APPROPRIATE TRADES.
  - THE SLAB-ON-GRADE CONSISTS OF 4" IN FIBER REINFORCED CONCRETE ON A VAPOR RETARDER ON 4" WASHED CRUSHED STONE ON COMPACTED SUBGRADE, UNLESS INDICATED OTHERWISE.
  - CJ INDICATES SLAB-ON-GRADE CONTRACTION JOINT.
  - CMU WALLS SHOWN ON THIS PLAN ARE 8" UNLESS INDICATED OTHERWISE.
  - FOR DIMENSIONING OF INTERIOR CMU WALLS SEE ARCHITECTURAL PLANS.
  - C1 INDICATES COLUMN TYPE. SEE S/5-3 FOR DETAILS AND THIS SHEET FOR COLUMN SCHEDULE.
  - F3.0 INDICATES FOOTING TYPE. SEE S/5-3 FOR DETAILS AND THIS SHEET FOR FOOTING SCHEDULE.

COLUMN SCHEDULE 5  
S-1

COLUMN FOOTING SCHEDULE 4  
S-1

SECTION @ LOBBY SLAB 8  
3/4" = 1'-0"

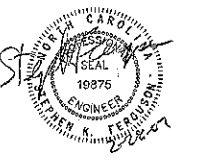


FOUNDATION PLAN - ADD ALTERNATE 2  
1/8" = 1'-0"

FOUNDATION PLAN - BASE BID 1  
1/8" = 1'-0"



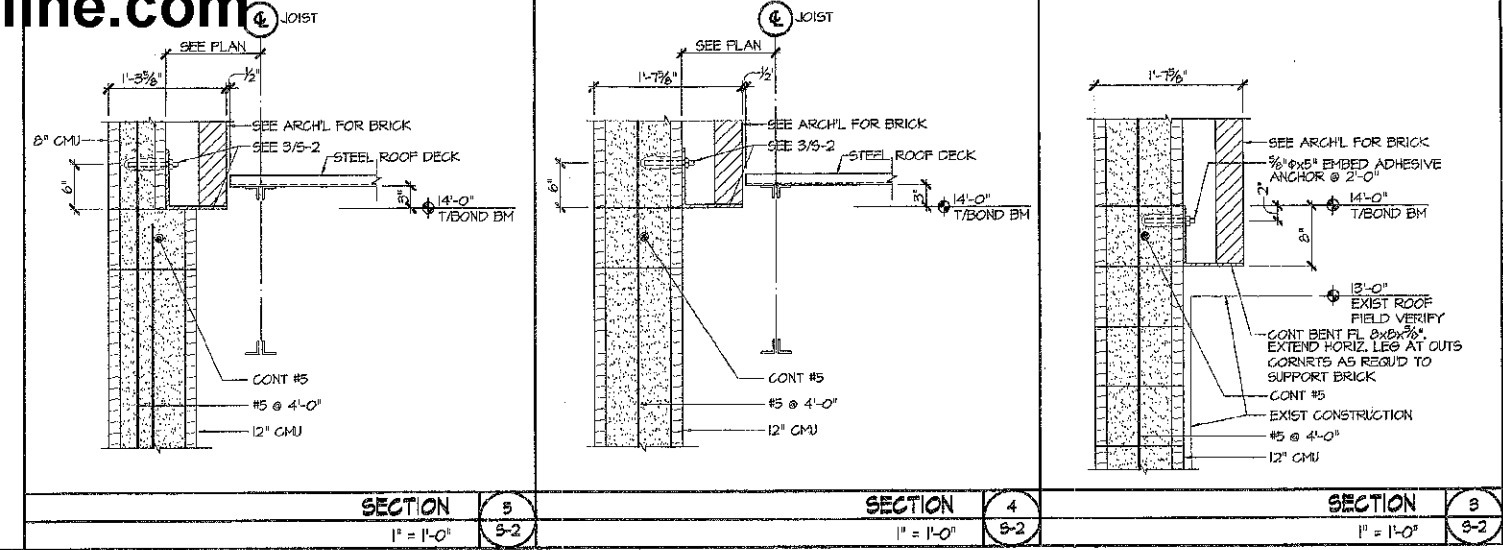
214 Burgess St.  
Fayetteville, NC 28301  
Phone: 910.484.4989  
Fax: 910.484.1466  
www.sfla.biz



Isaiah Hopkins-Chang, P.C.  
1015 WOOD CTR. DR. BOX 10587 RALEIGH, NC 27605  
(919)822-8807 fax (919)833-3029  
© COPYRIGHT 2007, ISAIAH HOPKINS-CHANG, P.C.

ONSLOW COUNTY SCHOOLS  
ADDITION  
DIXON HIGH SCHOOL  
FOUNDATION PLAN

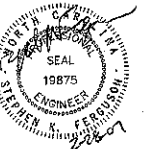
Project #: 00549.000  
Drawn By: SKF, HSM  
Checked By: SKF  
Issue Date: 02/28/07  
Revisions:



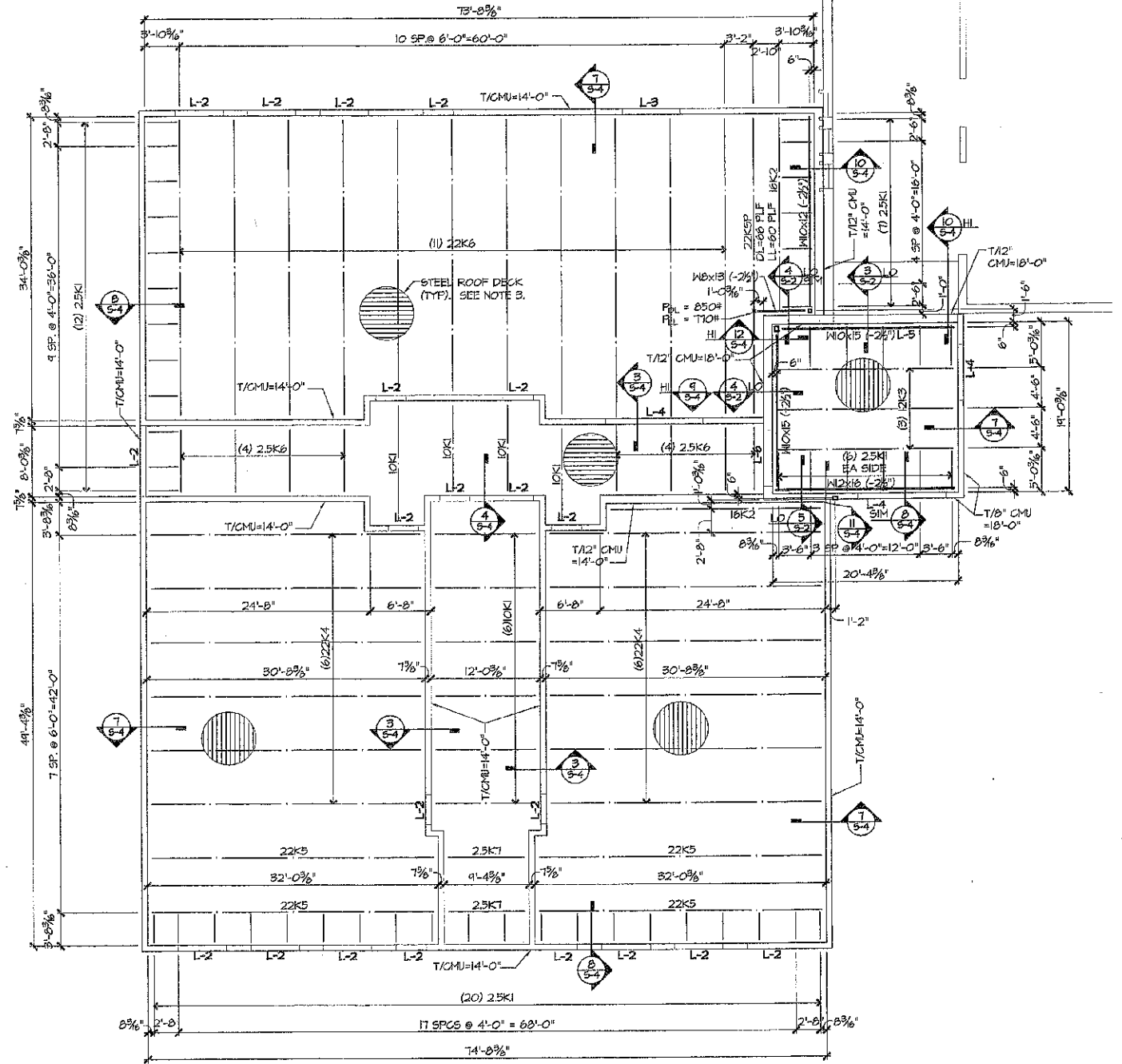
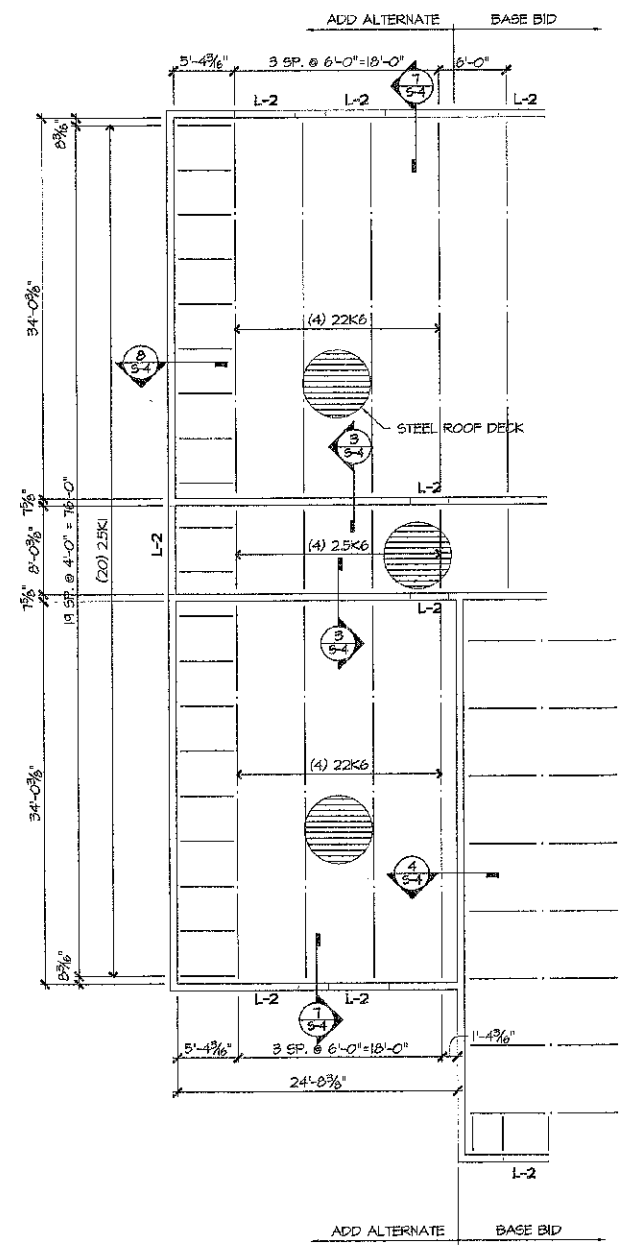
- STRUCTURAL STEEL FRAMING NOTES**
- SEE 63.1 FOR GENERAL NOTES.
  - THE REFERENCE ELEVATION IS FINISH FLOOR AT 0'-0". ALL ELEVATIONS ARE REFERENCED FROM THIS ELEVATION.
  - STEEL ROOF DECK IS 1/2" DEEP, 22 GAGE, WIDE RIB, GALVANIZED, UNLESS NOTED OTHERWISE.
  - FRAME ROOF DECK OPENINGS INDICATED ON THE PLANS AND ANY WITH A DIMENSION OF 10" OR GREATER IN EITHER DIRECTION AS SHOWN ON 2/54.1 COORDINATE ACTUAL SIZE AND LOCATION OF OPENINGS WITH THE APPROPRIATE TRADE.
  - ANY SUPPORT FOR BUILDING SYSTEMS BEARING ON OR HUNG FROM A STEEL JOIST MUST BE CONNECTED WITHIN 6" OF A JOIST PANEL POINT OR THE JOIST MUST BE REINFORCED AS SHOWN ON 1/54.1.
  - L-1 DENOTES LINTELS REQUIRED AT LOAD-BEARING CMU WALLS. SEE 54.1 FOR THE LINTEL SCHEDULE. TYPICAL LINTELS FOR OPENINGS IN NON-LOAD-BEARING WALLS AND BRICK VENEER ARE ALSO INDICATED IN THE LINTEL SCHEDULE.

**sfi+a**  
ARCHITECTS

214 Burgess St.  
Fayetteville, NC 28301  
Phone: 910.484.4989  
Fax: 910.484.1466  
[www.sfi.a.biz](http://www.sfi.a.biz)



**Isaacs-Hopkins-Chang, PC**  
1015 W. 8th St. #200  
Fayetteville, NC 28301  
Phone: 910.484.4989  
Fax: 910.484.1466



**ROOF FRAMING PLAN - ADD ALTERNATE**  
1/8" = 1'-0"

**ROOF FRAMING PLAN - BASE BID**  
1/8" = 1'-0"

**ONSLOW COUNTY SCHOOLS  
ADDITION  
DIXON HIGH SCHOOL  
ROOF FRAMING PLAN**

Project #: 00849.000  
Drawn By: TRM/MSH  
Checked By: SKP  
Issue Date: 02/28/01  
Revisions:

P:\Drawings\1005\20080815 Dixon HS Addition\16 S-2.dwg, 02/28/2007 07:28:24 AM, sfi+a

**DESIGN CRITERIA**

LOCATION: HOLLY RIDGE, ONSLOW COUNTY, NC  
 CODE: NCBC, 2006  
 BUILDING CATEGORY: III

**ROOF LOADS**

ROOFING INSULATION	5 PSF
ROOF DECK	2 PSF
ROOF FRAMING	5 PSF
CEILING, LIGHTS	5 PSF
HVAC	5 PSF
TOTAL DEAD LOAD	22 PSF

**LIVE LOAD**  
20 PSF

**SNOW LOAD**  
Pg = 10 PSF

**WIND LOADS**  
 WIND SPEED = 130 MPH V<sub>h</sub> = 34k  
 WIND EXPOSURE: C V<sub>w</sub> = 23k

**WIND LOADS ON COMPONENTS & CLADDING (PSF)**

TRIBUTARY AREA	10 SQ FT	20 SQ FT	50 SQ FT	75 SQ FT	100 SQ FT
<b>ROOF</b>					
ZONE 1	+17.3/-42.3	+16.1/-41.4	+14.7/-39.8	+14.3/-39.2	+13.9/-38.6
ZONE 2	+17.3/-40.9	+16.1/-39.4	+14.7/-37.8	+14.3/-37.2	+13.9/-36.6
ZONE 3	+17.3/-40.1	+16.1/-38.6	+14.7/-37.0	+14.3/-36.4	+13.9/-35.8
<b>WALL</b>					
ZONE 4	+42.3/-39.1	+40.3/-37.1	+37.8/-34.1	+37.0/-33.4	+36.0/-32.5
ZONE 5	+42.3/-40.2	+40.3/-38.2	+37.8/-35.1	+37.0/-34.4	+36.0/-33.5

- REFERENCE NCBC FIGURE 1604.6.6.2.
- a = 6'
- ZONES 2 AND 3 ARE WITHIN 6' OF ROOF EDGES.
- ZONE 5 IS WITHIN 6' OF WALL CORNERS.
- TRIBUTARY AREA = GREATER OF L<sub>x</sub>H OR L<sub>y</sub>L<sub>y</sub>.
- DESIGN FOR STRENGTH USING LOADS IN TABLE. CALCULATE DEFLECTIONS BASED ON 10% OF LOADS IN TABLE.
- TO OBTAIN NET UPLIFT LOADS ON ROOF COMPONENTS, DEDUCT 0.6xDL FROM LOADS SHOWN.

**SEISMIC CRITERIA**

SEISMIC USE GROUP: II  
 I<sub>e</sub> = 1.25  
 SEISMIC SITE CLASS: E  
 S<sub>s</sub> = 0.260 S<sub>1</sub> = 0.113  
 S<sub>d1</sub> = 0.426 S<sub>d2</sub> = 0.294  
 SEISMIC DESIGN CATEGORY: C  
 SDC is based on S<sub>s</sub> only, in accordance with an exception permitted by the Amendment dated July 15, 2003 to Section 1616.3 of the NCBC. All three criteria specified in the amendment have been met.  
 METHOD OF ANALYSIS: EQUIVALENT LATERAL FORCE  
 SEISMIC FORCE RESISTING SYSTEM: N-SY. ORD. REINF. MASONRY SHEAR WALL  
 SEISMIC FORCE RESISTING SYSTEM: E-W. ORD. REINF. MASONRY SHEAR WALL  
 HEIGHT LIMIT: N-S: 160' R<sub>ns</sub> = 2% R<sub>wh</sub> = 2% V<sub>ns</sub> = 55k  
 HEIGHT LIMIT: E-W: 160' R<sub>ns</sub> = 2% R<sub>wh</sub> = 2% V<sub>ew</sub> = 55k

**GENERAL NOTES**

- GENERAL**
- DESIGN, FURNISH, AND INSTALL TEMPORARY SHORINGS, BRACING, AND OTHER TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTING THE STRUCTURE AND TO MAINTAIN THE STABILITY THROUGHOUT ALL PHASES OF CONSTRUCTION UNTIL THE STRUCTURE IS COMPLETED. ALL TEMPORARY SUPPORTS ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
  - USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF OTHER TRADES.
  - COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND SIZES OF OPENINGS AND PENETRATIONS REQUIRED BY THEIR WORK.
  - COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND ELEVATIONS OF BURIED SERVICES PASSING NEAR FOUNDATIONS. UNDERGROUND SERVICES WHICH PASS BENEATH WALL FOOTINGS SHALL HAVE AT LEAST 12" OF CLEARANCE BELOW THE BOTTOM OF THE FOOTING. WHERE THIS IS NOT ACHIEVED, EITHER STEP THE FOOTING DOWN BENEATH THE SERVICE OR INSTALL A STEEL PIPE SLEEVE FOR THE SERVICE TO PASS THROUGH. SLEEVES ARE FURNISHED AND INSTALLED BY THE TRADE INSTALLING THE SERVICE. NO SERVICE IS TO BE INSTALLED BENEATH COLUMN FOOTINGS UNLESS APPROVED BY THE ARCHITECT.
  - COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND TYPES OF ATTACHMENTS AND ANCHORS THAT ARE REQUIRED BY THE TRADES TO FASTEN THEIR WORK TO THE STRUCTURE.
  - MODIFICATIONS TO STRUCTURAL COMPONENTS AND INSTALLATION OF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
  - VERIFY ACTUAL DIMENSIONS, ELEVATIONS, AND CONDITIONS OF EXISTING CONSTRUCTION PRIOR TO PROCEEDING WITH WORK OR ORDERING MATERIALS WHICH COULD BE AFFECTED BY EXISTING CONDITIONS.

**FOUNDATION DESIGN**

TYPE: SHALLOW SPREAD FOOTINGS.  
 ALLOWABLE SOIL BEARING PRESSURE: 2000 PSF DESIGN CRITERIA BASED ON GEOTECHNICAL REPORT DATED 12-24-06 PREPARED BY S4ME, INC.

**CONCRETE AND MASONRY ANCHORS**

- EXPANSION ANCHORS: WEDGE TYPE, CARBON STEEL, ZINC PLATED OR SIMILARLY TREATED FOR CORROSION RESISTANCE. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ADHESIVE ANCHORS: CARBON STEEL, A36 MATERIAL OR EQUIVALENT, WITH A TWO-PART, PREPACKAGED AND PREMEASURED ADHESIVE READY FOR INJECTION INTO THE ANCHOR HOLE. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

**CAST-IN-PLACE CONCRETE**

- 1. MATERIALS**
- PORTLAND CEMENT: ASTM C150, TYPE I.
  - FLY ASH: ASTM A591, CLASS C OR F.
  - NORMAL-HEIGHT AGGREGATE: ASTM C33, 3M.
  - REINFORCING STEEL: ASTM A615 GRADE 60.
  - WELDED WIRE FABRIC: ASTM A183, FLAT SHEETS.
  - FIBER REINFORCING FOR SLABS-ON-GRADE: SYNTHETIC FIBERS FORMULATED TO ACT AS PLASTIC SHRINKAGE REINFORCEMENT. FURNISH AT A RATE OF 1.3 LBS PER CY OF CONCRETE.
  - UNDER-SLAB DRAINAGE FILL: 4" WASHED CRUSHED STONE, MAXIMUM AGGREGATE SIZE OF 3/4".
  - VAPOR RETARDER: ASTM E1745, CLASS C; OR, POLYETHYLENE SHEET, ASTM D4941, NOT LESS THAN 10 MILS THICK.

- 2. CONCRETE MIXES**
- FOOTINGS, FOUNDATION WALLS, PIERS: 3000 PSI NH, 1/2" MAXIMUM AGGREGATE SIZE, 5" MAXIMUM SLUMP.
  - SLAB-ON-GRADE: 4000 PSI NH, FIBER REINFORCED, 1" MAXIMUM AGGREGATE SIZE, 52% MINIMUM CEMENTITIOUS MATERIALS CONTENT, 5" MAXIMUM SLUMP.
  - CONCRETE SUBJECT TO FREEZING: 4000 PSI NH, AIR-ENTRAINED, MAXIMUM W/C = 0.45, AGGREGATE SIZE AND SLUMP AS INDICATED ABOVE FOR THE INTENDED USE.
  - PERFORM CONCRETE WORK IN ACCORDANCE WITH ACI 318 AND ACI 301.
  - WIDER CONCRETE COVER AS FOLLOWS:
    - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO WEATHER: 3".
    - CONCRETE EXPOSED TO WEATHER: 1/2" OR LARGER: 3".
    - CONCRETE NOT EXPOSED TO WEATHER TO GROUND: SLABS, WALLS, JOISTS: 3/4".
    - BEAMS, COLUMNS: 1/2" TO PRIMARY REINFORCEMENT, TIES, STIRRUPS, OR SPIRALS.

- 3. LAP REINFORCING AS FOLLOWS, UNLESS NOTED OTHERWISE:**
- |    |       |     |        |
|----|-------|-----|--------|
| #3 | 1'-0" | #7  | 3'-0"  |
| #4 | 1'-4" | #8  | 3'-11" |
| #5 | 1'-8" | #9  | 5'-0"  |
| #6 | 2'-2" | #10 | 6'-4"  |

WHERE BARS OF UNEQUAL DIAMETER ARE LAPPED, USE THE LAP LENGTH OF THE SMALLER BAR.

- ACCURATELY INSTALL AND PROPERLY SECURE ANCHORS, BEARING PLATES, SLEEVES, AND OTHER EMBEDDED ITEMS.
- ACCURATELY LOCATE AND LOCK-OUT OPENINGS AND PENETRATIONS.
- COORDINATE WITH OTHER TRADES FOR ANCHORS, EMBEDDED ITEMS, SLEEVES, AND PENETRATIONS REQUIRED AND/OR FURNISHED BY THE OTHER TRADES.
- PROVIDE CONTRACTION JOINTS IN SLABS-ON-GRADE WHERE INDICATED ON THE PLANS. PROVIDE A JOINT DEPTH EQUAL TO AT LEAST 25% OF THE SLAB THICKNESS.
- FLOOR FINISHES:**
  - SCRATCH FINISH: SURFACES TO RECEIVE CONCRETE FLOOR TOPPING, PORTLAND CEMENT TERRAZZO, OR OTHER BONDED CEMENTITIOUS TOPPING.
  - FLOAT FINISH: SURFACES TO RECEIVE A TROWEL FINISH.
  - TROWEL FINISH: SURFACES EXPOSED TO VIEW OR COVERED WITH RESILIENT FLOORING, CARPET, WOOD FLOORING, PAINT, SEALER, OR OTHER THIN FILM FINISHES.
  - TROWEL AND FINE-BROOM FINISH: SURFACES TO BE COVERED WITH QUARRY OR CERAMIC TILE INSTALLED BY THE THIN-SET OR THICK-SET METHOD.
  - BROOM FINISH: EXTERIOR CONCRETE PLATFORMS, STEPS, AND RAMPS.
  - FLOORS EXPOSED TO VIEW: FINISH COAT OF FLOOR SEALER OR COMBINATION CURING AND SEALING COMPOUND.
- FINISH SURFACE TOLERANCE FOR TROWELED AND TROWEL AND FINE BROOM FINISHED FLOORS: 3/16" IN 10'.

**STRUCTURAL MASONRY**

1. SCOPE: THESE NOTES APPLY TO LOAD BEARING MASONRY OR MASONRY THAT IS PART OF THE LATERAL LOAD RESISTING SYSTEM. SEE ARCHITECTURAL FOR OTHER MASONRY.
- 2. MATERIALS**
- CONCRETE MASONRY UNIT STRENGTH: 1900 PSI, MIN.
  - MORTAR: TYPE S.
  - GROUT: IN ACCORDANCE WITH ASTM C416. SLUMP = 8" TO 11".
  - F<sub>m</sub> = 1500 PSI.
- 3. LAP REINFORCING AS FOLLOWS, UNLESS NOTED OTHERWISE:**
- |    |       |     |       |
|----|-------|-----|-------|
| #3 | 1'-6" | #7  | 3'-6" |
| #4 | 2'-0" | #8  | 4'-0" |
| #5 | 2'-6" | #9  | 4'-6" |
| #6 | 3'-0" | #10 | 5'-0" |
- 4. INSTALL REINFORCING IN THE CENTER OF CELLS UNLESS INDICATED OTHERWISE.**
- 5. ADEQUATELY SECURE REINFORCING TO PREVENT MOVEMENT.**
- 6. GROUT ALL CELLS OF MASONRY UNITS INSTALLED BELOW FINAL GRADE.**
- 7. ABOVE GRADE, GROUT ONLY REINFORCED CELLS UNLESS INDICATED OTHERWISE.**

**STRUCTURAL STEEL**

- 1. MATERIALS**
- STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992
  - OTHER STRUCTURAL STEEL ROLLED SHAPES: ASTM A26
  - RECTANGULAR OR ROUND HSS: ASTM A500, GR B
  - STEEL PIPE: ASTM A53, GR B, TYPE E OR F
  - STEEL PLATE: ASTM A36
  - HIGH STRENGTH BOLTS: ASTM A325
  - ANCHOR BOLTS: ASTM F594, GRADE 36
  - WELD MATERIAL: PER AWS D11
- 2. FABRICATE AND ERECT STEEL IN ACCORDANCE WITH THE AISC SPECIFICATION.**
- 3. PERFORM SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D11 WITH CURRENTLY CERTIFIED WELDERS.**
- 4. UNLESS NOTED OTHERWISE, ALL BOLTED CONNECTIONS ARE MADE WITH 3/4" HIGH STRENGTH BOLTS INSTALLED SNUG TIGHT.**

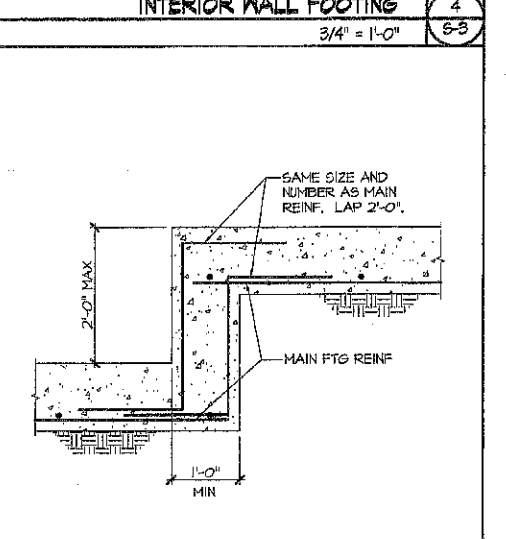
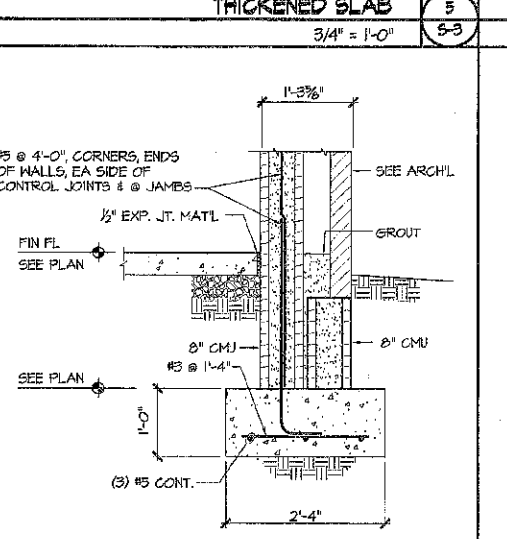
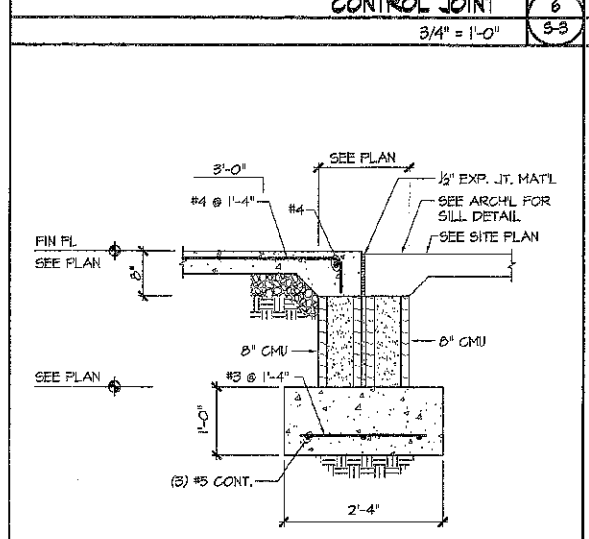
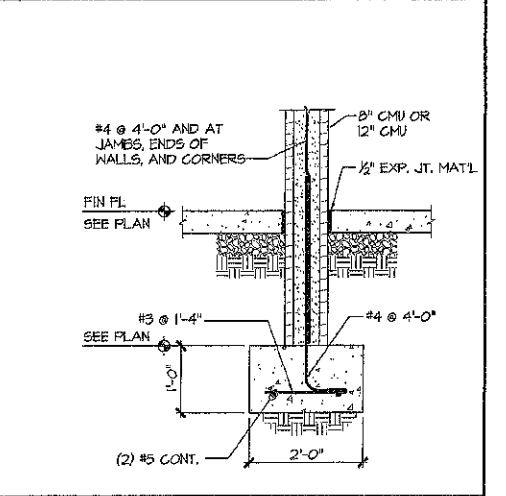
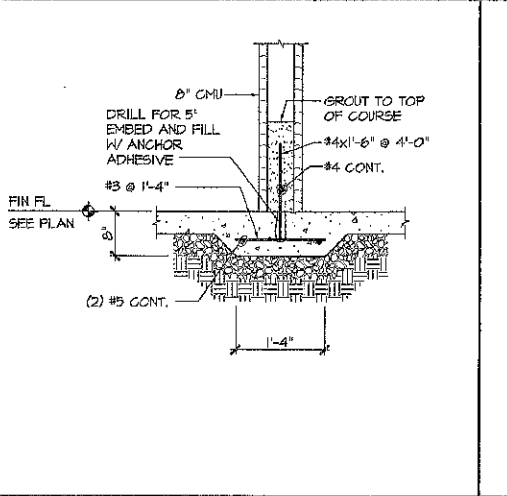
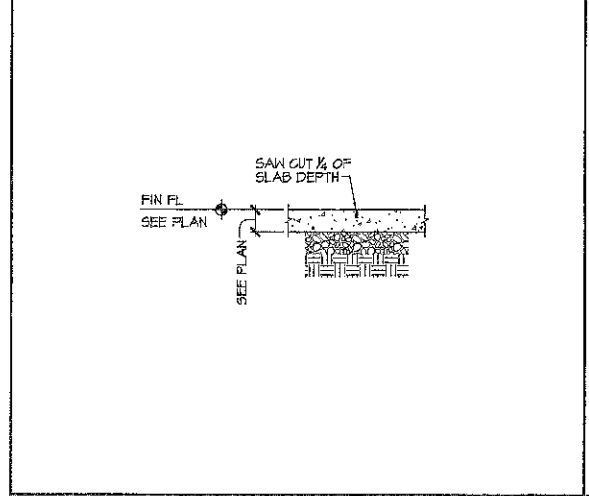
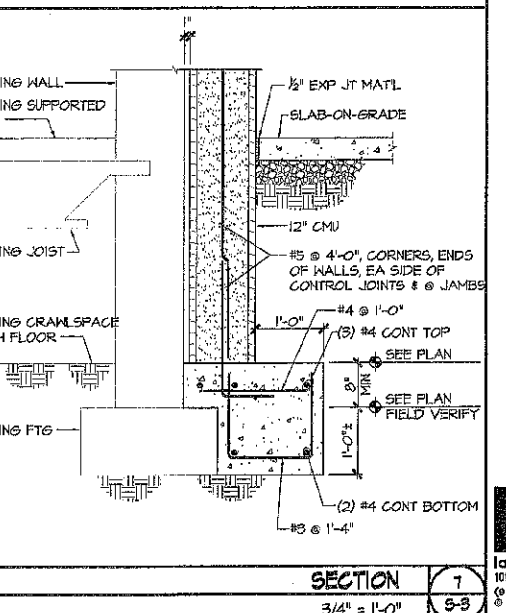
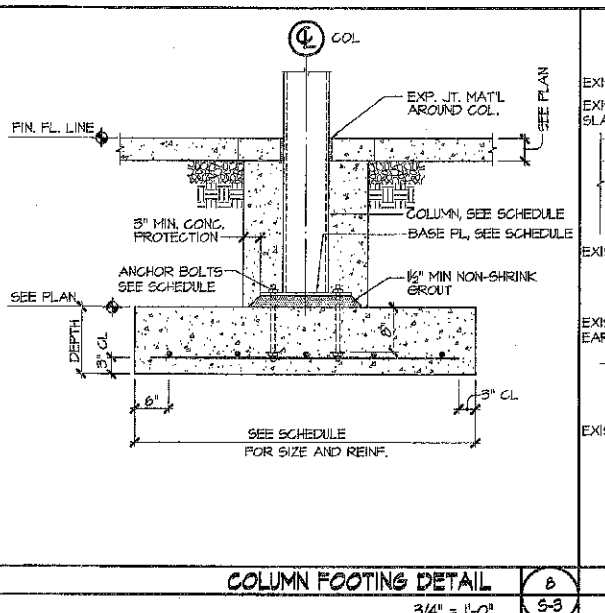
**STEEL JOISTS**

- 1. MATERIALS**
- STEEL JOISTS: SJI SPECIFICATIONS, K SERIES.
  - BRIDGING AND ACCESSORIES: PER SJI SPECIFICATION.
  - HIGH STRENGTH BOLTS: ASTM A325.
  - CARBON STEEL BOLTS: ASTM A307, GR A.
  - WELD MATERIAL: PER AWS D11.
- 2. FABRICATE AND ERECT JOISTS IN ACCORDANCE WITH THE SJI SPECIFICATION.**
- 3. PERFORM SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D11 WITH CURRENTLY CERTIFIED WELDERS.**
- 4. FOR BOLTED JOIST-TO-STRUCTURAL STEEL CONNECTIONS, INSTALL 3/4" HIGH STRENGTH BOLTS SNUG TIGHT.**
- 5. FOR BOLTED CONNECTIONS FOR BRIDGING OR ACCESSORIES, INSTALL CARBON STEEL BOLTS.**
- 6. INSTALL BRIDGING AND UPLIFT BRIDGING AS REQUIRED BY THE SJI SPECIFICATION.**
- 7. NET UPLIFT ON JOISTS: 33 PSF WITHIN 6' OF ROOF EDGES, 25 PSF ELSEWHERE.**

**STEEL DECK**

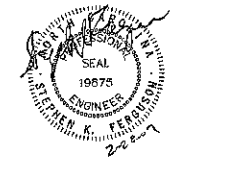
- 1. MATERIALS**
- STEEL ROOF DECK: 1/2" DEEP, TYPE B (WIDE RIB), 22 GA, ASTM A653, S5, GRADE 55, 680 GALVANIZED COATING.
  - COVER PLATES, CLOSURE PLATES, AND OTHER STEEL SHEET DECKING ACCESSORIES: THICKNESS AS REQUIRED FOR STRENGTH BUT NOT LESS THAN THE DECKING THICKNESS, OF THE SAME MATERIAL AND FINISH AS THE DECKING MATERIAL.
  - MECHANICAL FASTENERS: CORROSION RESISTANT SELF-DRILLING CARBON STEEL SCREWS, #10 MINIMUM DIAMETER.
  - WELD MATERIAL: PER AWS D11.
- 2. FABRICATE AND ERECT DECK IN ACCORDANCE WITH SDI PUBLICATION NO. 24.**

- 3. PERFORM WELDING IN ACCORDANCE WITH AWS D11.5 WITH CURRENTLY CERTIFIED WELDERS.**
- 4. CUT AND NEATLY FIT DECK AROUND OPENINGS AND OTHER WORK PROJECTING THROUGH THE DECK. PROVIDE ADDITIONAL SUPPORT AND CLOSURE PIECES AS REQUIRED FOR STRENGTH, CONTINUITY OF DECK, AND SUPPORT OF OTHER WORK.**
- 5. ROOF DECK ATTACHMENT TO STRUCTURAL STEEL:**
- FASTEN ROOF DECK PANELS TO STEEL SUPPORTING MEMBERS WITH 3/8" NOMINAL DIAMETER PUDDLE WELDS OR WELDS WITH AN EQUAL PERIMETER OR SEAM WELDS NOT LESS THAN 1/2" LONG, AND AS SPECIFIED BELOW.
  - WELD SPACING: WELD EDGE AND INTERIOR RIBS OF DECK UNITS WITH A MINIMUM OF TWO WELDS PER DECK UNIT AT EACH SUPPORT. WITHIN THE FIELD OF THE ROOF SPACE WELDS 12" APART, MAXIMUM. WITHIN 6' OF ROOF PERIMETER, RIDGES, AND HIPS SPACE WELDS AT 6" APART.
  - IN THE FIELD OF THE ROOF, WELD DECK EDGES TO SUPPORTING STEEL WITH 1/2" WELDS SPACED AT 12", MAXIMUM. WITHIN 6' OF ROOF PERIMETER, RIDGES, AND HIPS, SPACE WELDS AT 6".
  - FASTEN SIDE LAPS WITH #10 SELF-DRILLING SCREWS AT THE LESSER OF 36" OR ONE HALF OF THE SPAN. DECK SPANS 36" OR LESS DO NOT REQUIRE SIDE LAP FASTENERS.
  - END BEARING: 1/2" MINIMUM.
  - END JOINTS: LAPPED 2" MINIMUM.



**sfl+a**  
 ARCHITECTS

214 Burgess St.  
 Fayetteville, NC 28301  
 Phone: 910.484.4889  
 Fax: 910.484.1466  
 www.sfla.biz



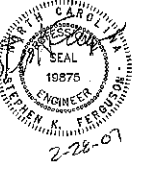
lanaster-hopkins-chang, pc  
 1015 wata on, po box 10567 raleigh, nc 27603  
 (919)332-5557 fax (919)333-3928  
 © COPYRIGHT 2010, LANASTER HOPKINS CHANG, PC

ONSLOW COUNTY SCHOOLS  
**ADDITION  
 DIXON HIGH SCHOOL  
 FOUNDATION DETAILS**

Project #: 00543.000  
 Drawn By: MSH  
 Checked By: SJK  
 Issue Date: 02/28/10  
 Revisions:

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

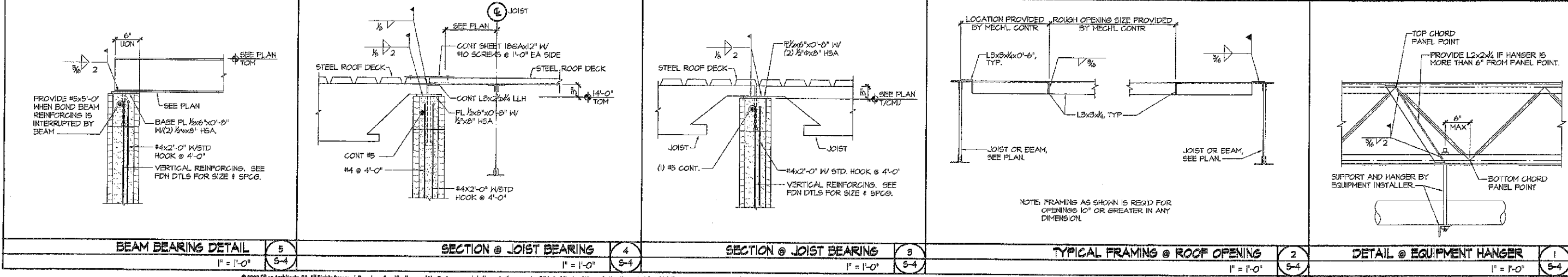
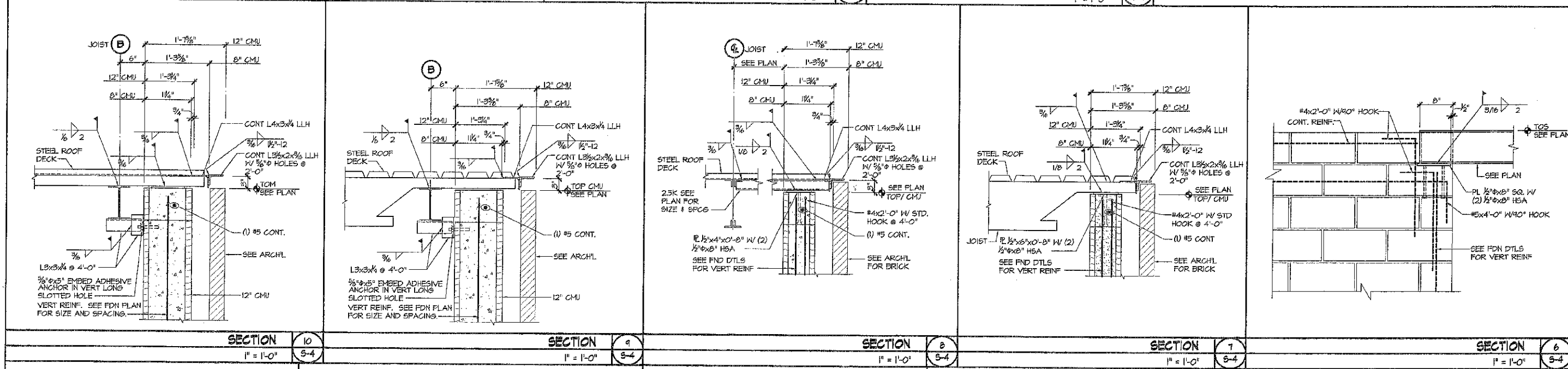
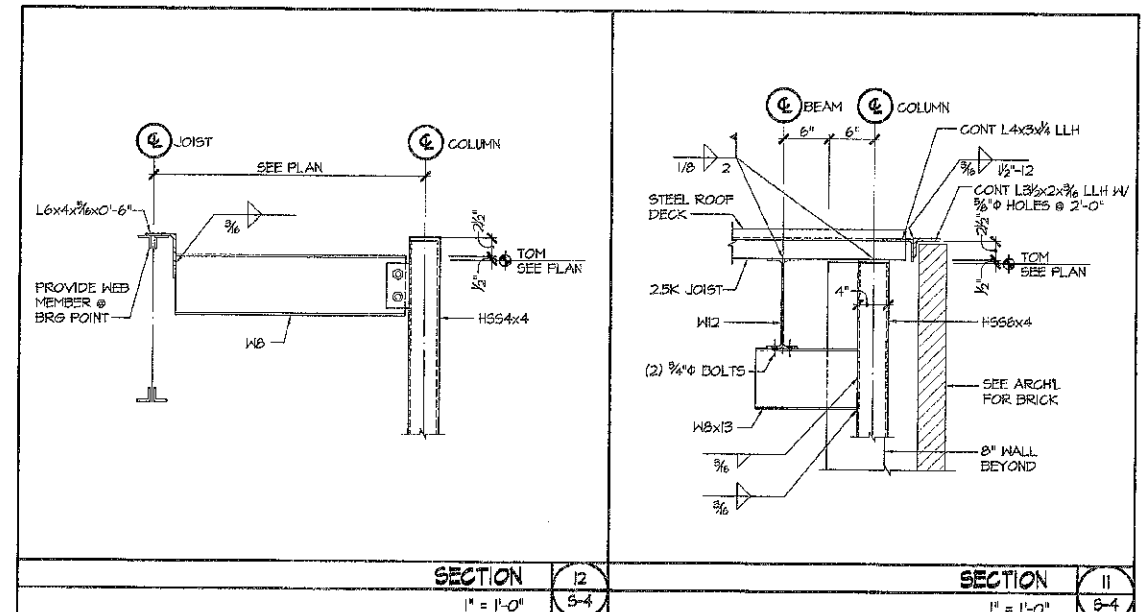
**sfi+a**  
ARCHITECTS  
214 Burgess St.  
Fayetteville, NC 28301  
Phone: 910.484.4989  
Fax: 910.484.1466  
[www.sfi.a.biz](http://www.sfi.a.biz)



**Isaiah Hopkins Chang, P.E.**  
1015 25th St. SE, Suite 1007 Raleigh, NC 27605  
(919) 852-8567 Fax (919) 853-2929  
© COPYRIGHT 2007, ISAIAH HOPKINS CHANG, P.E.

LINTEL SCHEDULE				
MARK OR WALL TYPE	MASONRY OPENING	LINTEL	BEARING, EA END	REMARKS
L-1	SEE PLANS	CMU 8"x8" HI W/ (1)#5	8"	
L-2	SEE PLANS	CMU 8"x16" HI W/ (1)#5	8"	
L-3	SEE PLANS	CMU 8"x24" HI W/ (1)#5	8"	
L-4	SEE PLANS	CMU 8"x24" HI W/ (1)#5	8"	
L-5	15'-0"	CMU 12"x24" HI W/ (2)#5	12"	
L-6	8'-4"	CMU 12"x24" HI W/ (1)#5	12"	
8" CMU	TO 5'-4"	CMU 8"x8" HI W/ (1)#5	8"	NON-LOAD-BEARING WALLS
8" CMU	TO 8'-0"	CMU 8"x16" HI W/ (1)#5	8"	NON-LOAD-BEARING WALLS
8" CMU	TO 10'-0"	CMU 8"x24" HI W/ (1)#5	8"	NON-LOAD-BEARING WALLS
12" CMU	TO 4'-0"	CMU 12"x8" HI W/ (1)#5	8"	SEE NOTE 1
4" BRICK	TO 1'-4"	PL 3/8"x3/8"	4"	GALVANIZE
4" BRICK	TO 4'-0"	(1) L3x3x3/8"	8"	GALVANIZE
4" BRICK	TO 6'-8"	(1) L4x3x3/8"	8"	GALVANIZE
4" BRICK	TO 8'-0"	(1) L5x3x3/8"	8"	GALVANIZE
4" BRICK	TO 10'-0"	(1) L6x4x3/8"	8"	GALVANIZE

NOTES:  
1. REFER TO THIS TABLE FOR LINTELS INDICATED ON THE PLANS AND FOR TYPICAL LINTELS, INCLUDING THOSE FOR OPENINGS REQUIRED BY OTHER TRADES.  
2. REFER TO SPECIFICATIONS IN DIVISION 4 FOR MATERIAL AND INSTALLATION REQUIREMENTS.  
3. GALVANIZE ALL STEEL LINTELS EXPOSED TO WEATHER.



ONSLow COUNTY SCHOOLS  
ADDITION  
DIXON HIGH SCHOOL  
ROOF FRAMING DETAILS

Project #: 00543.000  
Drawn By: HSM  
Checked By: SKF  
Issue Date: 02/28/07  
Revisions: