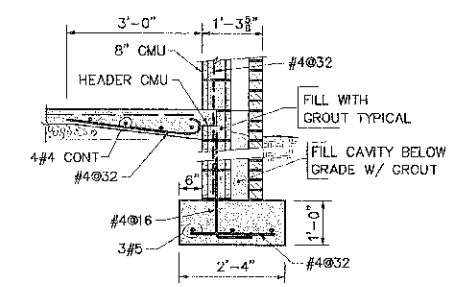
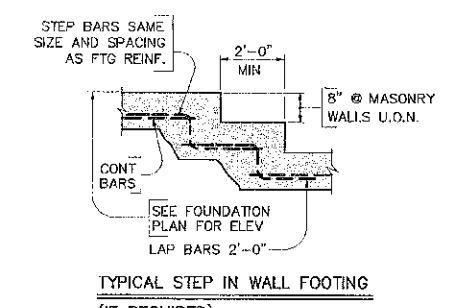


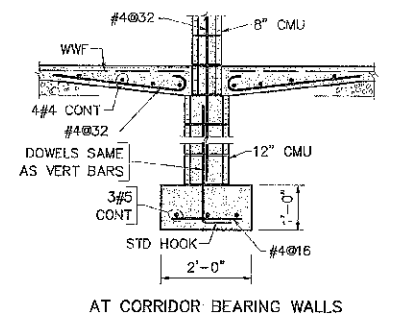
NOTE: OMIT HEADER CMU WHERE NO SLAB OCCURS.



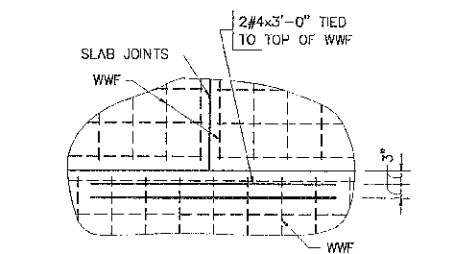
NOTE: OMIT HEADER CMU WHERE NO SLAB OCCURS.



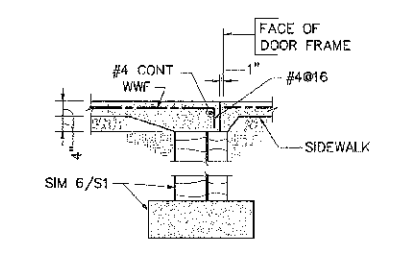
NOTE: THIS DETAIL APPLIES TO ALL "T" INTERSECTIONS OF SLAB CONTROL JOINTS.



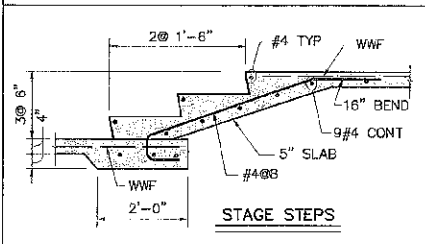
NOTE: 1. SEE ARCHITECT'S DWGS FOR SIZE AND LOCATIONS. 2. VERIFY EDGE CONDITION WITH MFG'S SHOP DRAWINGS.



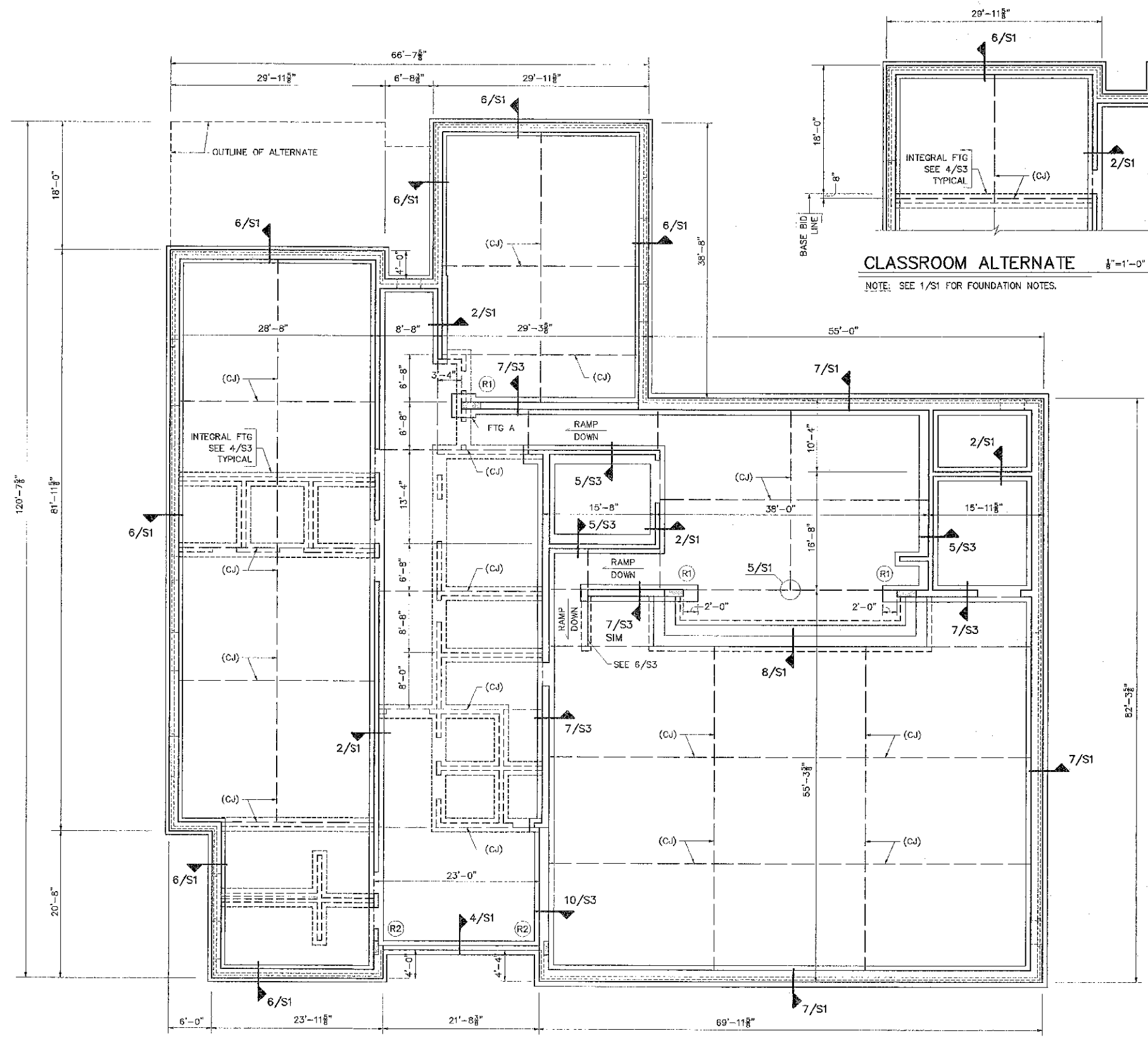
NOTE: THIS DETAIL APPLIES TO ALL "T" INTERSECTIONS OF SLAB CONTROL JOINTS.



NOTE: 1. SEE ARCHITECT'S DWGS FOR SIZE AND LOCATIONS. 2. VERIFY EDGE CONDITION WITH MFG'S SHOP DRAWINGS.



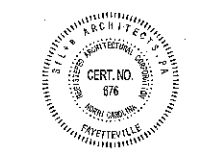
NOTE: 1. SEE ARCHITECT'S DWGS FOR SIZE AND LOCATIONS. 2. VERIFY EDGE CONDITION WITH MFG'S SHOP DRAWINGS.



REINFORCE ALL LOAD-BEARING WALLS AND 3 HOUR SEPARATION WALLS AS SHOWN IN SECTION 9/S3. FILL THE CELLS WHERE BARS OCCUR WITH 3000 PSI PEA GRAVEL CONCRETE OR OR ASTM C476 FINE GROUT. USE OF MORTAR MIX IS NOT ACCEPTABLE. SEE GENERAL NOTES FOR GROUTING SPECIFICATIONS.

- 1 S1 FOUNDATION PLAN**
- SEE SITE PLAN FOR FINISH FLOOR ELEVATION.
 - ELEVATION TOP OF FOOTINGS -2'-0" BELOW FINISH FLOOR U.O.N.
 - No. DENOTES ELEVATION TOP OF FOOTING BELOW FINISH FLOOR NOT TYPICAL.
 - (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE ABOVE.
 - SEE ARCHITECTURAL DWGS FOR TYPE, THICKNESS AND LOCATION OF ALL WALLS.
 - (R) DENOTES REINFORCED PILASTER. SEE 8/S3.
 - STEP FOOTING AS REQUIRED PER 6/S1 TO MATCH EXISTING FOOTING ELEVATION PER DETAIL 7/S1.
 - FTG A - 3'-4" SQ x 1'-0" DEEP WITH 4#4x2'-10" EA WAY 3" FROM BOTTOM.

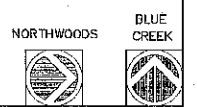
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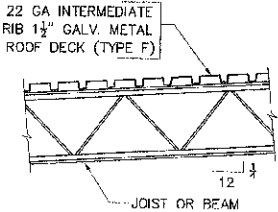
ADDITIONS
BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS
FOUNDATION PLAN - DETAILS AND SECTIONS

Project #: 0053000 / 0053000
 Drawn By: SKM, SRS
 Checked By: SKM
 Issue Date: 02-28-2001
 Revisions:



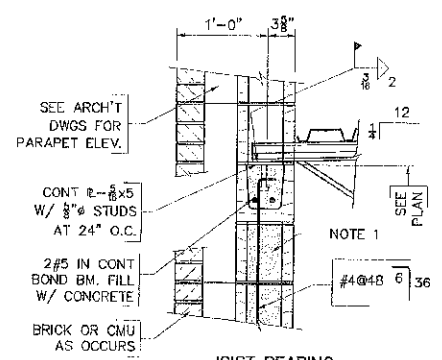
NOTES:

1. ATTACH DECK TO SUPPORTING MEMBERS WITH SELF DRILLING SELF TAPPING HEX WASHER HEAD SCREWS. USE #12-24 FOR DECK ATTACHMENT AND #12-14 FOR SEAM ATTACHMENT.
2. SPACING OF DECK SCREWS SHALL BE AS FOLLOWS:
AT END LAPS OF SHEETS - 6" O.C.
AT INTERMEDIATE SUPPORTS - 12" O.C.
AT ENDS OF SHEET AT BLDG PERIMETER - 6" O.C.
AT EDGES OF SHEET AT BLDG PERIMETER - 12" O.C.
3. ATTACH SEAMS AT MIDPOINT OF DECK SPAN.
4. WHERE DECK IS ATTACHED TO BEAM FLANGES THICKER THAN 3/8", USE 3/8" PUDDLE WELDS 8" O.C. WITH WELDING WASHERS.
5. ALTERNATE ATTACHMENT TO SUPPORTS: POWDER DRIVEN FASTENERS-HILTI ENP 2-21-L15 OR "PNEUTEK" FASTENERS MAY BE USED AT SAME SPACING AS SCREWS.



LOW SLOPE ROOF CONSTRUCTION

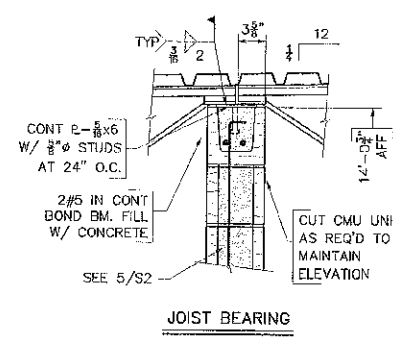
DETAIL 2
NO SCALE S2



JOIST BEARING AT PARAPET

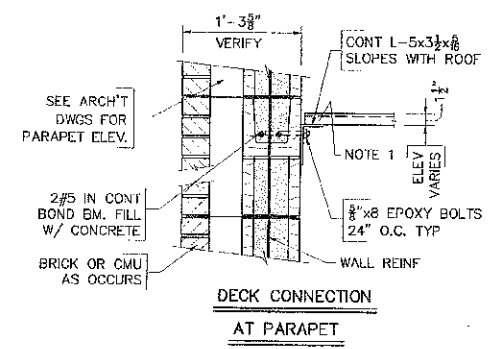
- NOTES:**
1. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED.
 2. SEE 5/S2 FOR ADDITIONAL NOTES.

SECTION 4
NO SCALE S2



JOIST BEARING

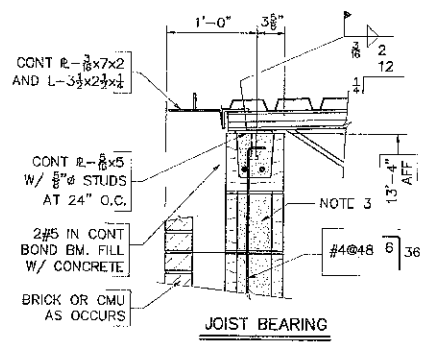
SECTION 3
NO SCALE S2



DECK CONNECTION AT PARAPET

- NOTES:**
1. WELD DECK TO ANGLE WITH 3/8" PUDDLE WELDS 6" O.C. TYPICAL.
 2. EXTEND WALL REINFORCING TO TOP OF PARAPET

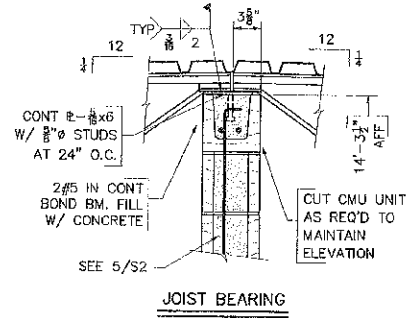
SECTION 6
NO SCALE S2



JOIST BEARING

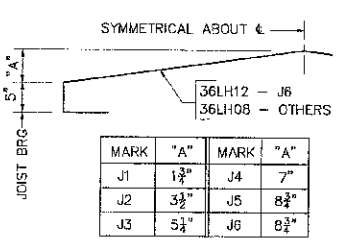
- NOTES:**
1. PROVIDE THREADED STUDS FOR BLOCKING 24" O.C. SEE ARCHITECT'S DWGS.
 2. EXTENDED ENDS MUST HAVE THE SAME UNIFORM LOAD CAPACITY AS THE PARENT JOIST SIZE. U.O.N.
 3. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED.
 4. MITER CONT EAVE ANGLES AT CORNERS AND BUTT WELD.

SECTION 5
1"=1'-0" S2



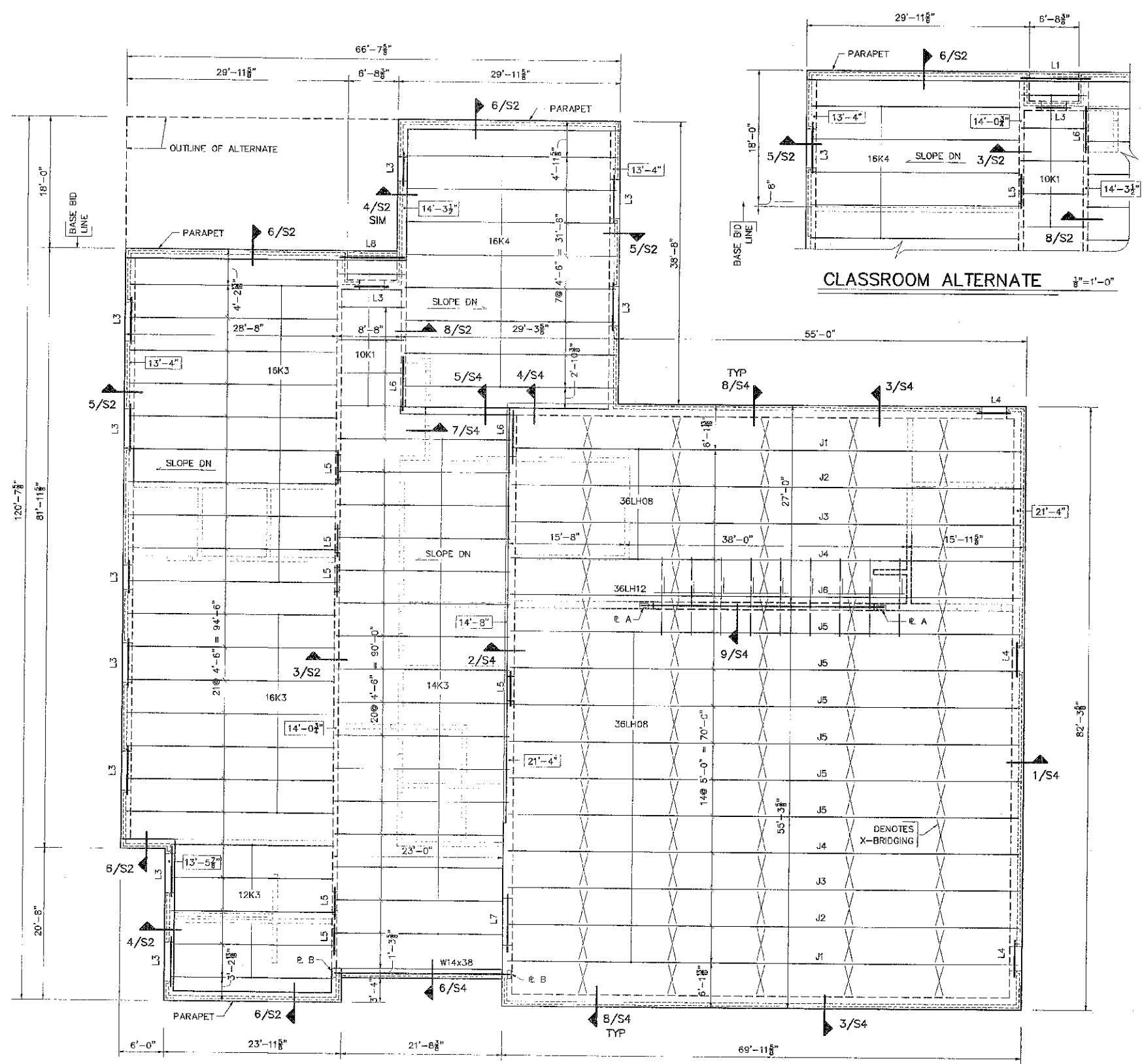
JOIST BEARING

SECTION 8
NO SCALE S2



LONGSPAN JOIST SLOPE DIAGRAM

DETAIL 7
NO SCALE S2



1 ROOF FRAMING PLAN
1/8"=1'-0"

REINFORCE ALL LOAD-BEARING WALLS AND 3 HOUR SEPARATION WALLS AS SHOWN IN SECTION 9/S3. FILL THE CELLS WHERE BARS OCCUR WITH 3000 PSI PEA GRAVEL CONCRETE OR OR ASTM C476 FINE GROUT. USE OF MORTAR MIX IS NOT ACCEPTABLE. SEE GENERAL NOTES FOR GROUTING SPECIFICATIONS.

- NOTES:**
1. SEE SITE PLAN FOR FINISH FLOOR ELEVATION.
 2. SEE SHEET S3 FOR BEAM BEARING-ON-WALL DETAIL AND R SIZES.
 3. SEE ARCHITECTURAL DWGS FOR TYPE, THICKNESS AND LOCATION OF ALL WALLS.
 4. [No] DENOTES JOISTS BEARING ELEVATION ABOVE FIN FLOOR.



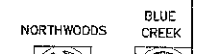
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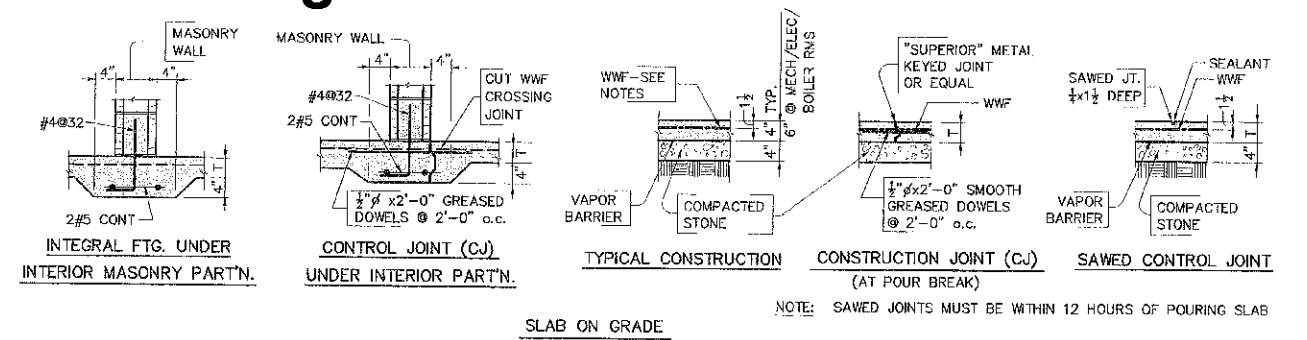


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ADDITIONS
BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS
ROOF FRAMING PLAN - DETAILS AND SECTIONS

Project #: 00880001/0088000
Drawn By: SKM, SR5
Checked By: SKM
Issue Date: 02-28-2001
Revisions:

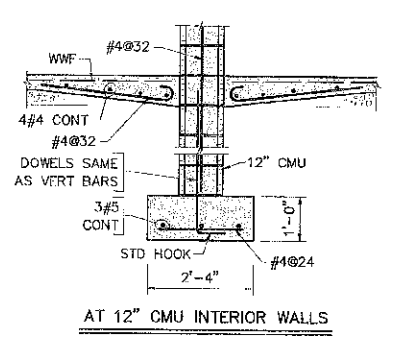




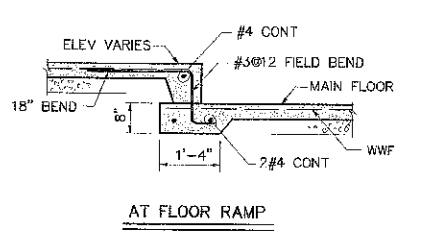
SLAB ON GRADE

NOTE: SAWED JOINTS MUST BE WITHIN 12 HOURS OF POURING SLAB

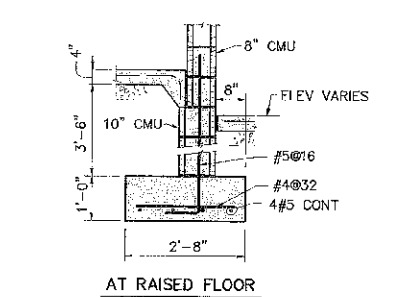
DETAILS 4
NO SCALE S3



DETAIL 7
NO SCALE S3



SECTION 6
NO SCALE S3



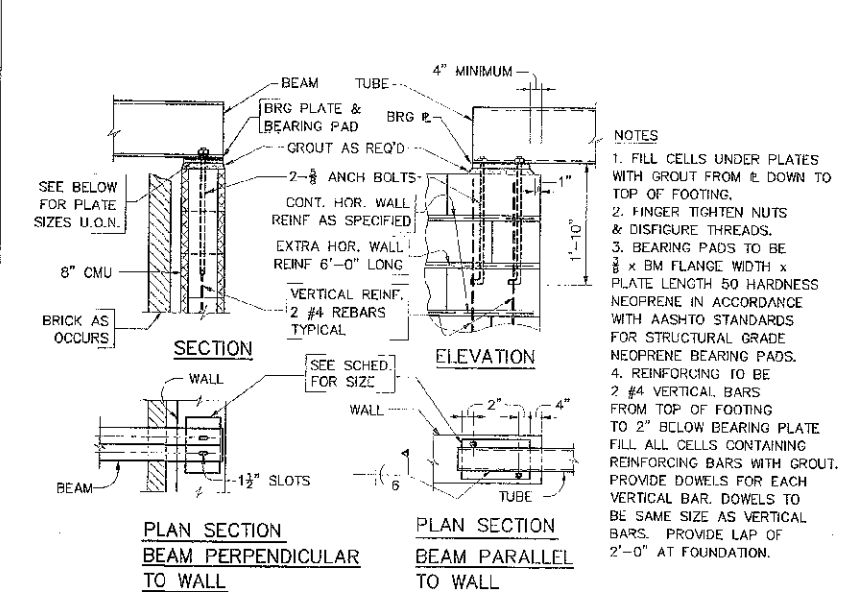
DETAIL 5
1/2\"/>

OPENINGS IN SINGLE WYTHE CMU WALLS AND PARTITIONS

NOTES: LINTELS SHALL BE INCLUDED FOR ALL MASONRY OPENINGS.

1. SELECT LINTELS AS REQUIRED FROM THOSE SHOWN ABOVE.
2. SEE ARCHITECT'S DRAWING SHEETS FOR ALL LINTELS REQUIRED. SUBMIT SHOP DRAWINGS WITH LOCATION PLAN FOR ALL LINTELS.
3. FILL CELLS IN HOLLOW MASONRY BELOW LINTEL BEARING FOR 3 COURSES WITH 3000 psi PEA GRAVEL CONCRETE U.O.N.
4. FILL MASONRY U-BLOCKS WITH PEA GRAVEL CONCRETE.
5. SEE ARCHITECT'S DRAWINGS FOR ALL LINTELS REQUIRED.
6. SEE ARCHITECT'S DWGS FOR MASONRY OPENINGS AND HEAD ELEVATIONS.
7. "T" DENOTES THICKNESS OF MASONRY WALL. FIELD MEASURE.
8. SEE MECHANICAL DWGS FOR DUCT PENETRATIONS THRU PARTITION WALLS.
9. SUPPORT LINTELS ON MASONRY 8" EACH END U.O.N.
10. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED.

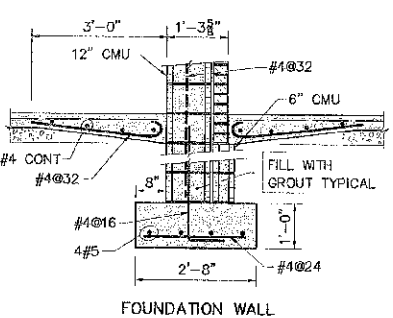
DETAIL 3
NO SCALE S3



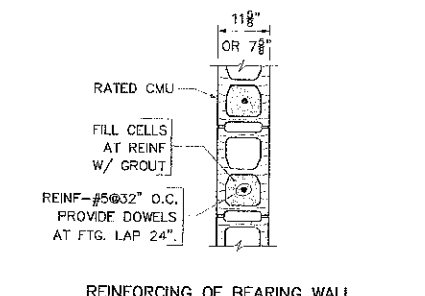
DETAILS - BEAMS BEARING ON CMU WALL

BEARING PLATE SCHEDULE			
R. A	1/2"x10x14	R. B	1x6x14

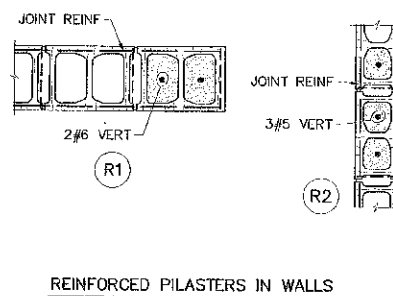
DETAILS 2
NO SCALE S3



SECTION 10
1/2\"/>



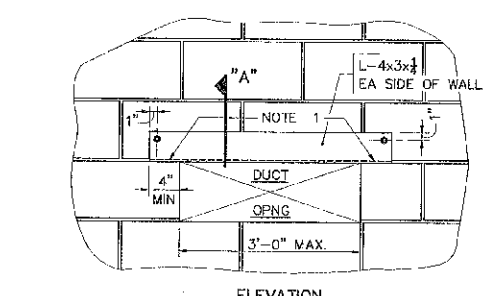
PLAN SECTION 9
NO SCALE S3



PLAN SECTIONS 8
NO SCALE S3

REINFORCED PILASTERS IN WALLS

NOTES: 1. FILL CELLS WITH CONCRETE. 2. PROVIDE DOWELS INTO WALL FOOTING. LAP 2'-0" MIN.



ELEVATION
AT DUCT OPNGS THRU BEARING WALLS

NOTES: 1. CUT OUT MORTAR JOINT AND INSTALL ANGLE (SHORT LEG HORIZONTAL) INTO SLOT. 2. THIS DETAIL APPLIES TO ALL OPENINGS CUT THRU MASONRY BEARING WALLS. SEE HVAC DWGS, PLUMBING DWGS, AND ARCHITECT'S DWGS FOR SIZE, LOCATIONS, AND QUANTITIES.

DETAIL 11
NO SCALE S3

GENERAL

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. "U.O.N." MEANS UNLESS OTHERWISE NOTED.
3. DESIGN LIVE LOADS:
 - ROOF: 20 PSF
 - SEISMIC DESIGN DATA: $I_e = 1.25$ $R = 3.5$ $C_d = 2.25$
 - SEISMIC DESIGN CATEGORY: B $S_d = 24.7$ $S_{d1} = 18.2$
 - USE GROUP: II
 - SITE CLASSIFICATION: D
 - BASIC DESIGN WIND VELOCITY: 130 MPH - EXPOSURE B
4. ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTOR'S RESPONSIBILITY. CONSULT ARCHITECT IN CASE OF QUESTIONS.
5. STRUCTURAL FRAME TO BE BRACED UNTIL ERECTION IS COMPLETE AND PERMANENT CONNECTIONS OR BRACING MEMBERS ARE INSTALLED.
6. ALL LINTELS TO BEAR 8" EACH SIDE OF OPENING, U.O.N.

FOUNDATIONS

1. ALLOWABLE SOIL PRESSURE ASSUMED 2000 PSF MINIMUM, TO BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION.
2. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATION THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ARCHITECT TO REACH FIRM SOIL.
3. WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT BRACING UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND AT ADEQUATE STRENGTH.
4. COMPACT ALL FILL UNDER BUILDING TO 98% MAXIMUM DENSITY AS DETERMINED BY ASTM D698. PLACE IN LAYERS 8" MAXIMUM LOOSE THICKNESS. VERIFY FIELD DENSITY, ASTM D1556, WITH AT LEAST ONE TEST PER 2000 SQ FT PER LAYER.

CONCRETE

1. CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS: 3000 PSI
2. REINFORCING: ASTM A615 - STIRRUPS AND TIES GRADE 40 - ELSEWHERE GRADE 60, U.O.N. ALL REINF. TO BE OF WELDABLE GRADE WHERE WELDING SHOWN ON DWGS. "HDG" DENOTES REINFORCING TO BE HOT-DIPPED GALV.
3. GROUT UNDER BASE PLATES TO BE "EMBECCO" OR APPROVED EQUAL.
4. BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES 48 TIMES THE BAR DIAMETER, U.O.N.
5. CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:
 - CAST IN PLACE AND PRECAST CONCRETE:
 - SLABS: 3/4"
 - WALLS AND COLUMNS: 2"
 - FOOTINGS: 3"
 - SLABS EXPOSED TO EARTH AND WEATHER: 1 1/2"
6. PROVIDE WIRE MESH IN ALL SLABS ON GROUND 1 1/2" FROM TOP OF SLAB:
 - 4" SLABS: 6x6-W1.4xW1.4
 - 6" SLABS: 6x6-W4.0xW4.0
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FAR ENOUGH IN ADVANCE OF THE TIME EACH CONCRETE POUR IS TO BE MADE TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT IN ADVANCE OF THE TIME THAT 90% OF THE STEEL IS PLACED.
8. PROVIDE CHAMFERS AS NOTED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS.
9. PROVIDE INSERTS FOR BLOCKING AND MASONRY TIES AS SHOWN ON ARCHITECT DWGS.

STRUCTURAL MASONRY

1. LOAD-BEARING MASONRY PIERS AND WALLS, MASONRY RETAINING WALLS, FOUNDATION WALLS, SHEARWALLS, SCREEN WALLS AND ALL EXTERIOR MASONRY WALLS ARE CONSIDERED HERE TO BE STRUCTURAL MASONRY.
2. COMPRESSIVE STRENGTHS OF MASONRY UNITS:
 - SOLID CLAY UNITS: 6000 PSI
 - CONCRETE UNITS: 2000 PSI ON NET AREA
3. MORTAR - TYPE S ASTM C270.
4. GROUT FOR REINF. MASONRY - 3000 PSI PEA GRAVEL CONC. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE FILLING IS 6 FEET. PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH GROUT LIFT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
5. REINFORCING GRADE AND DETAILS AS FOR CONCRETE. TIE IN POSITION AND PLACE GROUT AROUND REINFORCING DURING CONSTRUCTION OF MASONRY. DO NOT PUSH REINF. DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET ANCH BOLTS SIMILARLY. TIE WYTHES WITH HORIZONTAL REINF. AS SPECIFIED.

STRUCTURAL STEEL

1. STRUCTURAL STEEL: ROLLED SECTIONS-ASTM A992, TUBES-ASTM A500-GRADE B.
2. DESIGN, FABRICATION AND ERECTION: AISC SPECIFICATIONS FOR BUILDINGS.
3. CONNECTIONS NOT DETAILED SHALL BE DESIGNED FOR LOADS SHOWN ON DRAWINGS OR FOR LOADS GIVEN IN STANDARD AISC LOAD TABLES FOR SPAN, SECTION AND STRENGTH SPECIFIED. SHOP CONNECTIONS: WELDED. FIELD CONNECTION: 3/4" BOLTS, ASTM A325. TIGHTEN TO A MINIMUM TORQUE OF 175 FT. LBS.
4. WELDS SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY THE STANDARD QUALIFICATION PROCEDURE OF THE AMERICAN WELDING SOCIETY FOR TYPE OF WELD REQUIRED.
5. PROVIDE ERECTION BOLTS AS REQUIRED FOR WELDED CONNECTIONS. ERECTION BOLTS EXPOSED OUTSIDE SHALL BE REMOVED AND HOLES PLUGGED AS DIRECTED BY ARCHITECT. GRIND IF REQUIRED.
6. RETURN ALL WELDS AT CORNERS TWICE THE NOMINAL SIZE OF THE WELD MINIMUM.
7. WHERE PLATES ARE FILLET WELDED TO MEMBERS AND NO WELD SIZE IS SPECIFIED PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF PLATE. WELD SIZES SHALL BE AS FOLLOWS:

PL THICKNESS (in)	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2
WELD SIZE (in)	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2

8. PROVIDE HOLES FOR BLOCKING AS PER ARCHITECT DRAWINGS.

STEEL JOISTS

1. STEEL DESIGN, FABRICATION, AND ERECTION: STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE. THE DESIGN OF ALL JOISTS FURNISHED SHALL HAVE BEEN SUBMITTED TO AND APPROVED BY THE STEEL JOIST INSTITUTE.
2. BRIDGING - SPACE IN ACCORDANCE WITH SJI SPECIFICATIONS. FOR ROOF JOISTS, SPACE BRIDGING TO LIMIT L/R OF BOTTOM CHORD TO 200. OPEN WEB STEEL JOISTS:
 - HORIZONTAL ANGLES WELDED TO JOISTS
 - LONGSPAN STEEL JOISTS: RIGID X-TYPE BOLTED OR WELDED TO JOISTS
3. WELD JOISTS TO STEEL SUPPORTS WITH 2" OF 3/16 FILLET EACH SIDE OF JOIST, U.O.N. WELDING TO BE BY WELDERS AS UNDER "STRUCTURAL STEEL".
4. EXTENDED ENDS OF JOISTS MUST BE DESIGNED TO SUPPORT THE SAME UNIFORM LOAD AS PARENT JOIST SIZE U.O.N.
5. DESIGN JOISTS FOR NET UPLIFT OF 19 PSF.

GENERAL NOTES 1
NO SCALE S3

sfl+a
ARCHITECTS

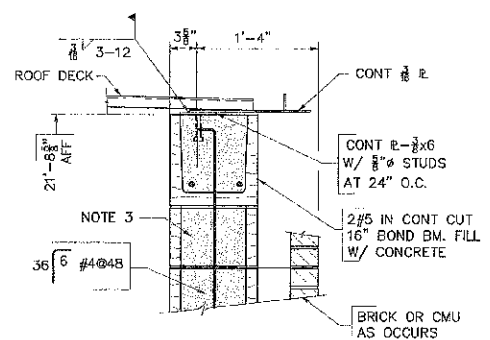
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ADDITIONS
BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS
SCHEDULES, DETAILS AND SECTIONS

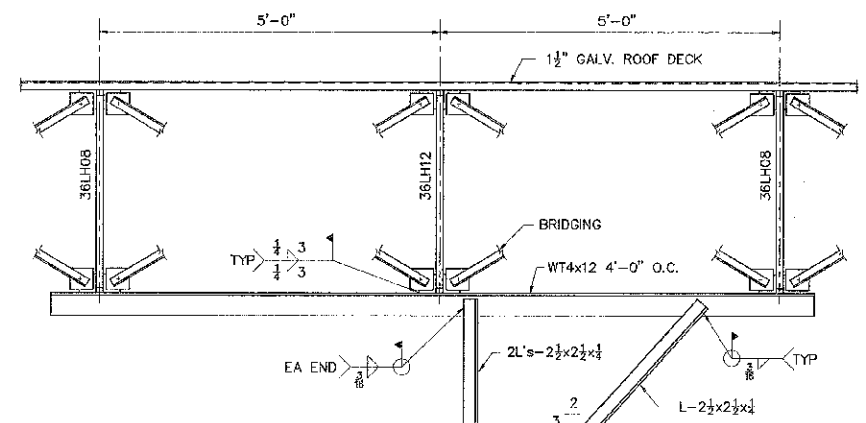
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Drawn By: SKM, SKS
Checked By: SKM
Issue Date: 02-28-2007
Revisions:



HIGH ROOF DECK BEARING

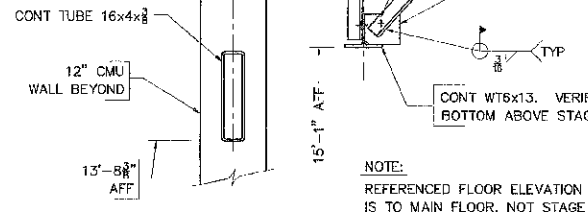
- NOTES:**
1. PROVIDE STUDS FOR BLOCKING ON CONT L AS PER ARCHITECT'S DRAWINGS.
 2. MITER CONT EAVE ANGLES AT CORNERS AND BUTT WELD.
 3. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED.

SECTION 3
NO SCALE S4



OPERABLE PARTITION SUPPORT

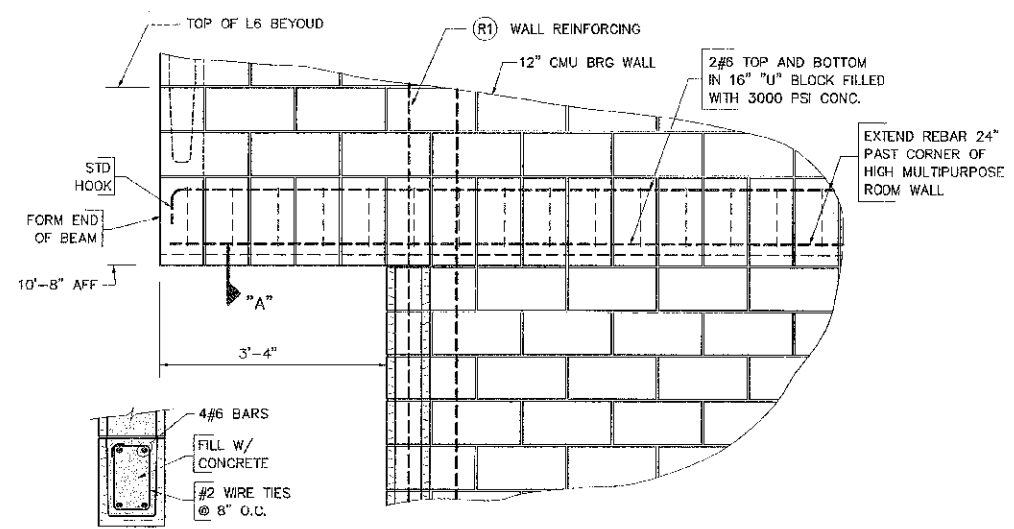
- NOTE:**
PUNCH W/16 FOR SUSPENSION RODS AS PER PARTITION MFG'S SHOP DRAWINGS



PROSCENIUM OPENING

- NOTE:**
REFERENCED FLOOR ELEVATION IS TO MAIN FLOOR, NOT STAGE

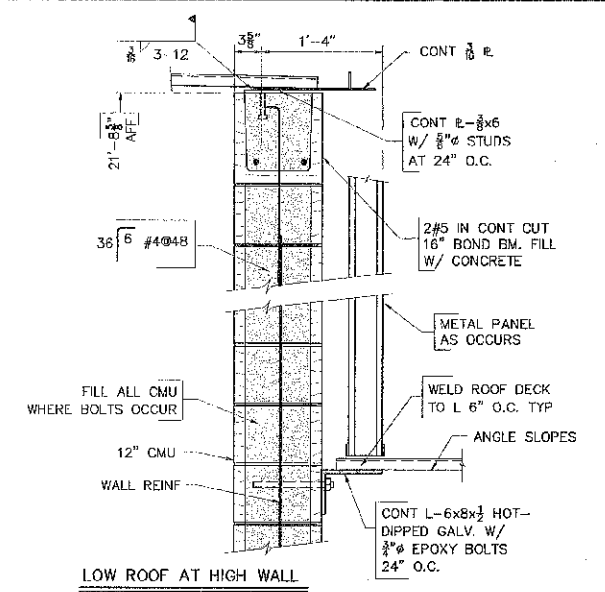
SECTION 9
NO SCALE S4



CANTILEVERED MASONRY BEAM

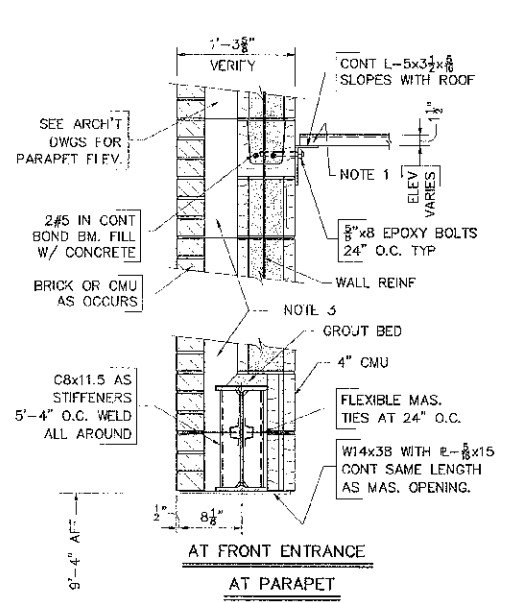
SECTION "A"

ELEVATION 7
NO SCALE S4



LOW ROOF AT HIGH WALL

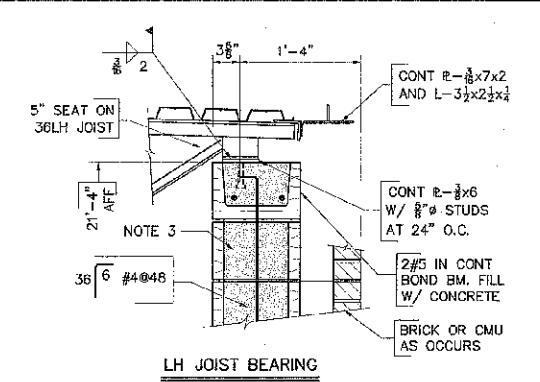
SECTION 4
NO SCALE S4



AT FRONT ENTRANCE
AT PARAPET

- NOTES:**
1. WELD DECK TO ANGLE WITH 1/2\"/>

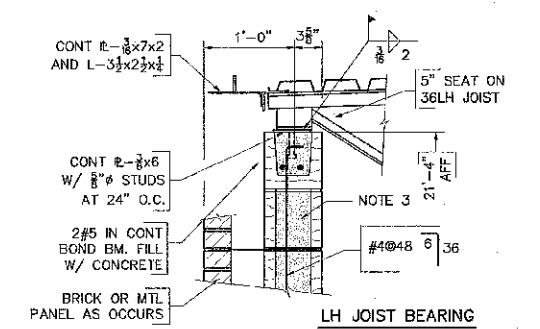
SECTION 6
NO SCALE S4



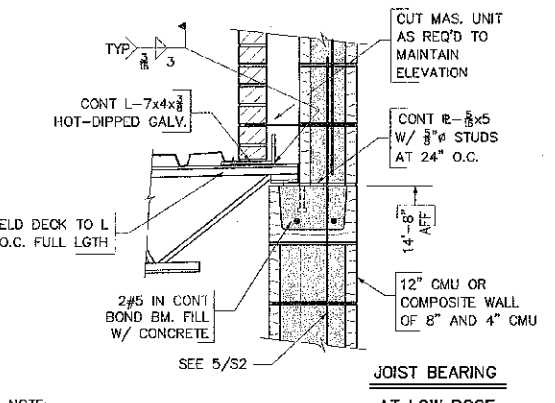
LH JOIST BEARING

- NOTES:**
1. PROVIDE STUDS FOR BLOCKING ON BENT L AS PER ARCHITECT'S DRAWINGS.
 2. EXTENDED ENDS MUST HAVE THE SAME UNIFORM LOAD CAPACITY AS THE PARENT JOIST SIZE, U.O.N.
 3. VERTICAL REINFORCING BARS IN GROUTED CELLS AS SPECIFIED.
 4. MITER CONT EAVE ANGLES AT CORNERS AND BUTT WELD.

SECTION 1
NO SCALE S4



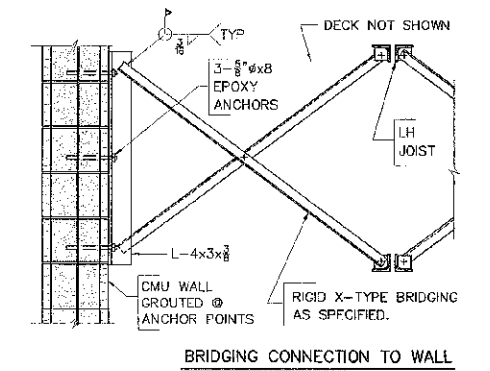
LH JOIST BEARING



JOIST BEARING AT LOW ROOF

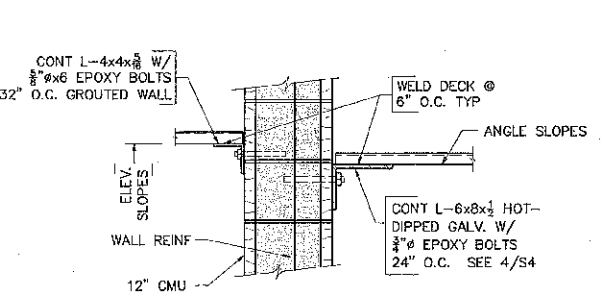
- NOTE:**
SEE SECTION 1/S4 FOR NOTES.

SECTION 2
NO SCALE S4



BRIDGING CONNECTION TO WALL

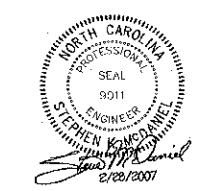
DETAIL 8
NO SCALE S4



SECTION 5
NO SCALE S4



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ADDITIONS BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS SECTIONS & DETAILS

Project #: 005800010058000
Drawn By: SKM, GRS
Checked By: SKM
Issue Date: 02-28-2007
Revisions: