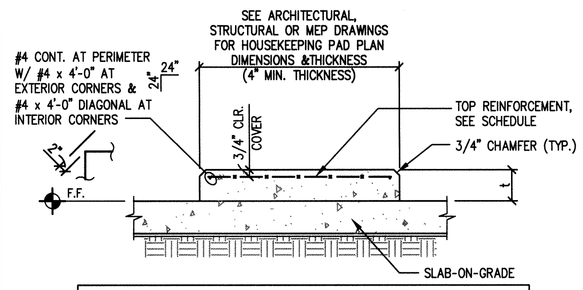
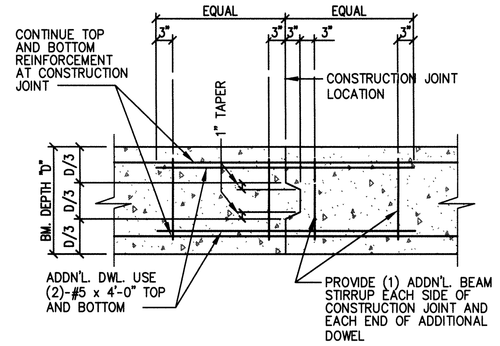


HOUSEKEEPING PAD REINFORCEMENT SCHEDULE		
PAD THICKNESS	TOP REINFORCEMENT	BOTTOM REINFORCEMENT
t ≤ 4"	6x6 - W2.9xW2.9	NONE
4" < t ≤ 6"	4x4 - W4.0xW4.0	NONE

NOTES:
1. GENERAL CONTRACTOR TO DETERMINE REQUIREMENTS FOR HOUSEKEEPING PADS OVER STRUCTURAL SLABS & PROVIDE WHERE REQUIRED WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT. COORDINATE DIMENSIONS & OTHER SPECIAL REQUIREMENTS WITH EQUIPMENT MANUFACTURERS AS REQUIRED.
2. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER OF ALL HOUSEKEEPING PAD LOCATIONS & THICKNESS PRIOR TO INSTALLATION.

TYPICAL DETAIL
CONCRETE ISLAND OR HOUSEKEEPING PAD SLAB-ON-GRADE

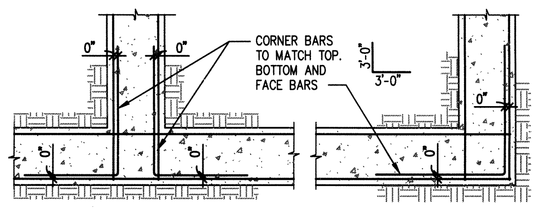
NO SCALE 15



NOTES:
1. GENERAL CONTRACTOR SHALL SUBMIT DESIRED CONSTRUCTION JOINT LAYOUT AS A SHOP DRAWING FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO POUR.
2. CONSTRUCTION JOINT LOCATIONS SHALL BE COORDINATED WITH REINFORCING STEEL SUPPLIER AND ERECTOR.
3. JOINT LOCATIONS SHALL BE WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN. FOR JOINT LOCATIONS OTHER THAN WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

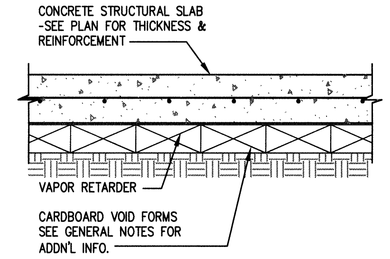
TYPICAL DETAIL
GRADE BEAM CONSTRUCTION JOINT

NO SCALE 12



TYPICAL DETAIL
GRADE BEAM REINF. STEEL CORNER BARS

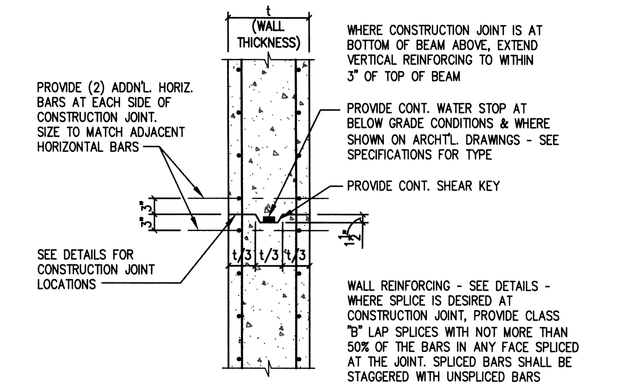
NO SCALE 9



NOTES:
UNLESS SPECIFIED ELSEWHERE, VAPOR RETARDER SHALL BE A MINIMUM OF 15 MILS THICK MEETING OR EXCEEDING ASTM E-1745, CLASS A, AND HAVE NO MORE THAN 0.01 PERMS WHEN TESTED IN ACCORDANCE WITH ASTM E-96.

TYPICAL DETAIL
STRUCTURAL SLAB CONSTRUCTION

NO SCALE 6

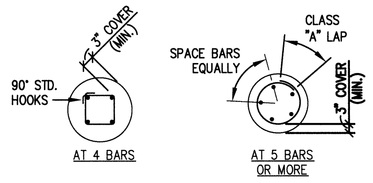


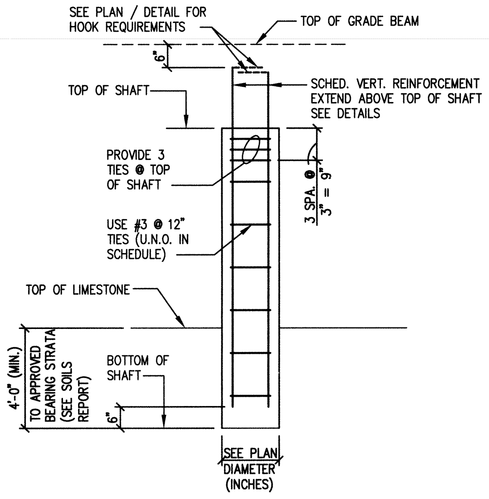
NOTES:
1. GENERAL CONTRACTOR SHALL OBTAIN PRIOR WRITTEN APPROVAL FROM ENGINEER IF ADDN'L. HORIZONTAL CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS ARE DESIRED.
2. REFER TO GENERAL NOTES FOR SPLICE REQUIREMENTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

TYPICAL DETAIL
HORIZONTAL CONSTRUCTION JOINT AT CONCRETE WALL

NO SCALE 3

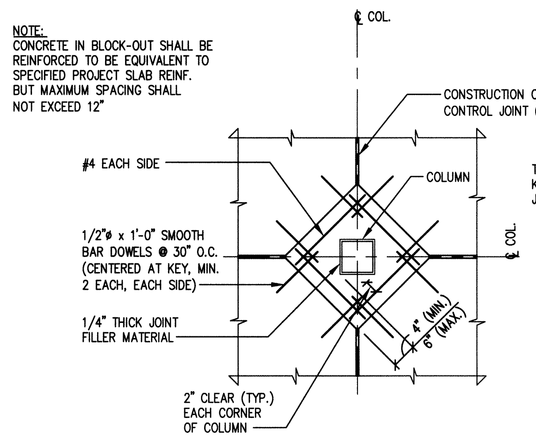
PIER REINF. SCHEDULE		
SHAFT DIA.	VERT. REINF.	TIES
18"ø	4 - #6	#3 @ 12"
22"ø	5 - #7	#3 @ 12"
24"ø	5 - #7	#3 @ 12"





TYPICAL DETAIL
STRAIGHT SHAFT

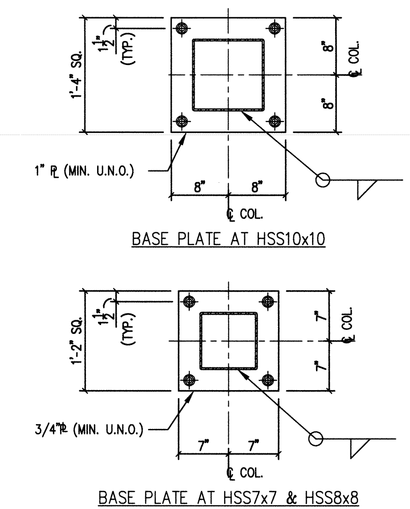
NO SCALE 13



NOTES:
1. G.C. TO COORDINATE REQUIRED SIZE OF BLOCK-OUT FOR COLUMNS. SUBMIT THE DESIRED BLOCK-OUT SIZE TO ARCHITECT FOR APPROVAL.
2. PROVIDE 3" MINIMUM CONCRETE COVER ALL AROUND COLUMN.

TYPICAL DETAIL
BLOCK-OUT AROUND COLUMN (SLAB-ON-GRADE)

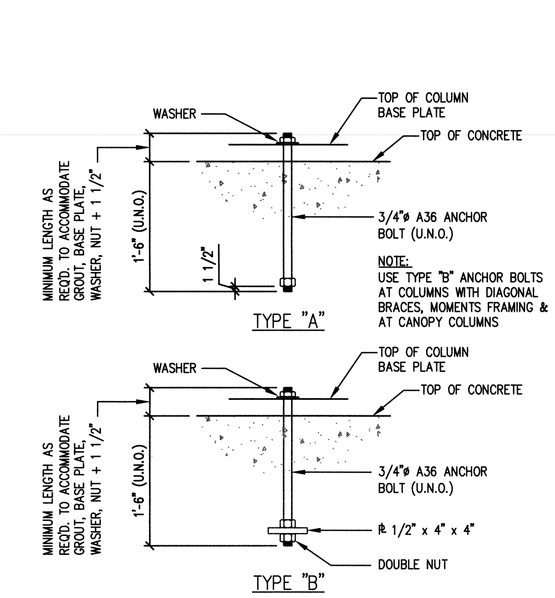
NO SCALE 8



NOTES:
1. MINIMUM FILLET WELD ACCORDING TO A.I.S.C. (1/4" MIN.).
2. USE OVERSIZED HOLES FOR ANCHOR BOLTS ACCORDING TO AISC.
3. WASHERS SHALL BE INSTALLED OVER OVERSIZED HOLES.
4. CONTRACTOR SHALL PROVIDE 1/8" THICK TEMPLATE FOR ANCHOR BOLT INSTALLATION.

TYPICAL DETAIL
BASE PLATE

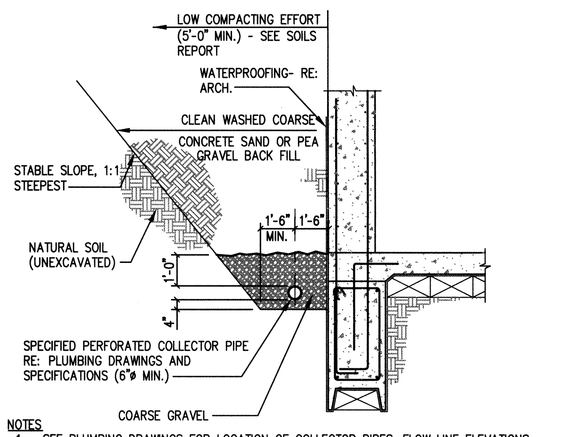
SCALE: 1" = 1'-0" 10



NOTE:
USE TYPE "B" ANCHOR BOLTS AT COLUMNS WITH DIAGONAL BRACES, MOMENTS FRAMING & AT CANOPY COLUMNS

TYPICAL DETAIL
ANCHOR BOLT

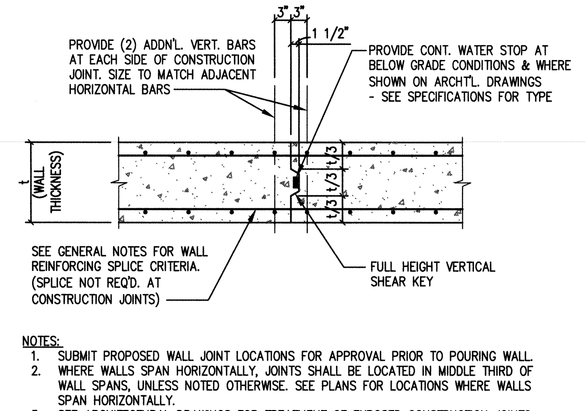
NO SCALE 7



NOTES:
1. SEE PLUMBING DRAWINGS FOR LOCATION OF COLLECTOR PIPES, FLOW LINE ELEVATIONS, CONNECTION DETAILS AND SUMP.
2. COLLECTOR PIPE SHALL BE WRAPPED IN SPECIFIED NON-WOVEN FILTER CLOTH, WITH A 3" LAP AT TOP OF PIPE.
3. SLOPE COLLECTOR PIPE A MINIMUM OF 1/16" PER FOOT.
4. PROVIDE CLEAN OUTS TO PERMIT PERIODIC CLEANING AND FLUSHING OF THE COLLECTOR PIPE. SEE PLUMBING DRAWINGS.
5. COMPACTING OF BACK FILL SHALL BE AS SPECIFIED. UNLESS SPECIFIED OTHERWISE, LOW COMPACTIVE EFFORT SHALL BE 85% OF STANDARD PROCTOR DENSITY; HIGH COMPACTIVE EFFORT SHALL BE 95% OF STANDARD PROCTOR DENSITY.
6. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. SEE GEOTECHNICAL REPORT FOR ADDN'L INFORMATION.

TYPICAL DETAIL
FOUNDATION WALL DRAINAGE AND BACK FILL

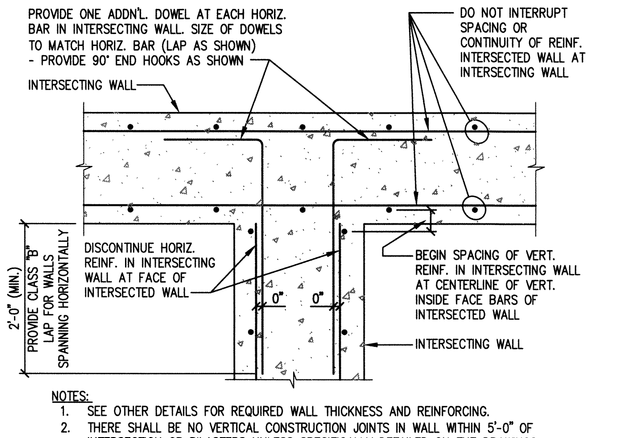
NO SCALE 5



NOTES:
1. SUBMIT PROPOSED WALL JOINT LOCATIONS FOR APPROVAL PRIOR TO POURING WALL.
2. WHERE WALLS SPAN HORIZONTALLY, JOINTS SHALL BE LOCATED IN MIDDLE THIRD OF WALL SPANS, UNLESS NOTED OTHERWISE. SEE PLANS FOR LOCATIONS WHERE WALLS SPAN HORIZONTALLY.
3. SEE ARCHITECTURAL DRAWINGS FOR TREATMENT OF EXPOSED CONSTRUCTION JOINTS (RUB OUT, PROVIDE REVEAL, OR OTHER) AND OTHER JOINT REQUIREMENTS.
4. SEE TYPICAL DETAIL - VERTICAL CONTROL JOINT - CONCRETE WALL FOR CONSTRUCTION JOINT OCCURRING AT SAME LOCATION AS CONTROL JOINT.

TYPICAL DETAIL
VERTICAL CONSTRUCTION JOINT AT CONCRETE WALL (PLAN VIEW)

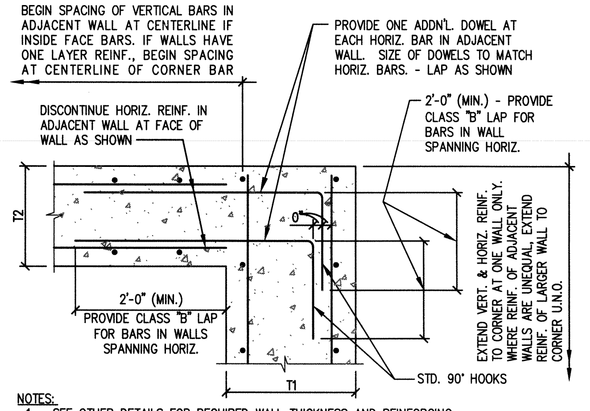
NO SCALE 4



NOTES:
1. SEE OTHER DETAILS FOR REQUIRED WALL THICKNESS AND REINFORCING.
2. THERE SHALL BE NO VERTICAL CONSTRUCTION JOINTS IN WALL WITHIN 5'-0" OF INTERSECTION OR PILASTERS UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
3. UNLESS SHOWN OTHERWISE, ANGLE BETWEEN ADJACENT WALLS SHALL BE 90°. IF ANGLE IS SHOWN OTHERWISE, PROVIDE SIMILAR REINFORCING LAYOUT.

TYPICAL DETAIL
CONC. WALL REINFORCEMENT STEEL SPLICE AT "T" INTERSECTION (PLAN VIEW)

NO SCALE 2



NOTES:
1. SEE OTHER DETAILS FOR REQUIRED WALL THICKNESS AND REINFORCING.
2. THERE SHALL BE NO VERTICAL CONSTRUCTION JOINTS IN WALL WITHIN 5'-0" OF CORNERS UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
3. "T1" DENOTES THICKNESS OF ONE WALL. "T2" DENOTES THICKNESS OF ADJACENT WALL. "T1" IS EQUAL TO OR GREATER THAN "T2".
4. UNLESS SHOWN OTHERWISE, ANGLE BETWEEN ADJACENT WALLS SHALL BE 90°. IF ANGLE IS SHOWN OTHERWISE, PROVIDE SIMILAR REINFORCING LAYOUT.

TYPICAL DETAIL
AT CORNERS (PLAN VIEW)

NO SCALE 1

Revisions:	Date
SCHEMATIC DESIGN SUBMISSION	08/02/10
DESIGN DEVELOPMENT SUBMISSION	09/03/10
CONSTRUCTION DOCUMENT SUBMISSION	11/22/10
ISSUED FOR BIDS	12/19/11

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CIVIL ENGINEERS	BREWER AND ESCALANTE

DO NOT SCALE THESE DRAWINGS. G.C. TO FIELD VERIFY DIMENSIONS

Drawing Title: BASEMENT AND FOUNDATION DETAILS

Approved: Project Director

Project Title: BUILDING 11 ADDITION & INTERIOR RENOVATIONS

Location: WACO, TEXAS

Date: 19 DEC 2011 | Checked | Drawn

ISSUED FOR BIDS

Project Number: 674A4-CSI-516

Building Number: 11

Drawing Number: 11-SS-3.01

Dwg. 4 of 7

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Office of Construction and Facilities Management

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