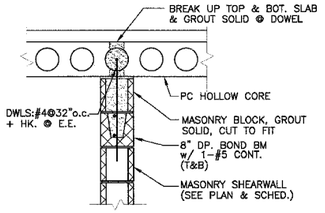
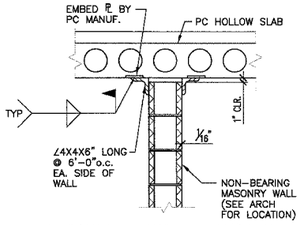


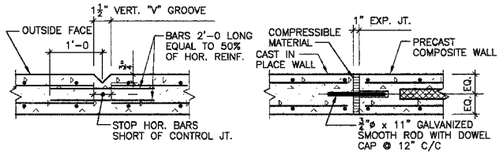
TYPICAL SLAB TO MASONRY SHEAR WALL CONNECTION

1.1C $\frac{3}{4}$"=1'-0



TYPICAL NON-BEARING CMU WALL BRACING

1.1D $\frac{3}{4}$"=1'-0

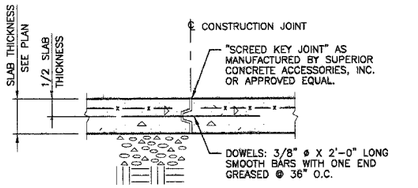


TYPICAL RETAINING WALL CONTROL JOINT

AT 20'-0 C/C MAXIMUM (OR AS NOTED)

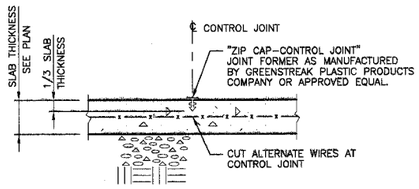
TYPICAL RETAINING WALL EXPANSION JOINT

AT 100'-0 C/C MAXIMUM (OR AS NOTED)



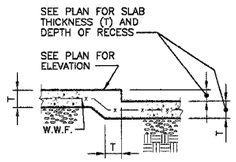
TYP. SLAB ON GRADE CONSTRUCTION JOINT

NOTE: CONSTRUCTION JOINTS TO BE LOCATED AT CONTROL JOINTS.

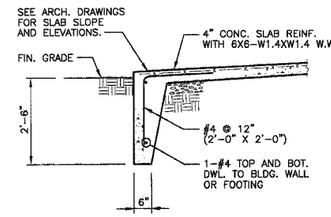


TYP. SLAB ON GRADE CONTROL JOINT

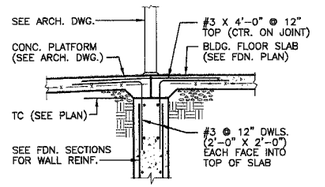
NOTE: CONTROL JOINTS AT 15'-0" O.C. MAXIMUM E.W., OR AS SHOWN ON PLAN



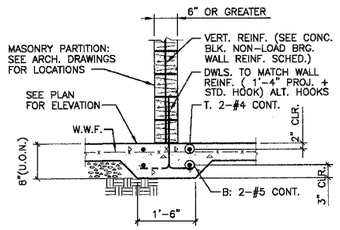
TYP. RECESS AT SLAB ON GRADE



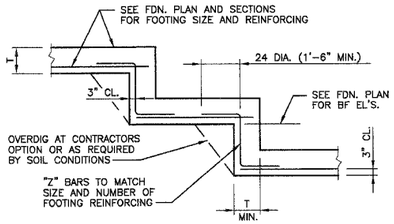
TYPICAL FROSTWALL



TYPICAL TOP OF WALL AT DOORWAY



TYPICAL NON-LOAD BEARING MASONRY PARTITION FOUNDATION



TYP. FOOTING STEP

GENERAL NOTES

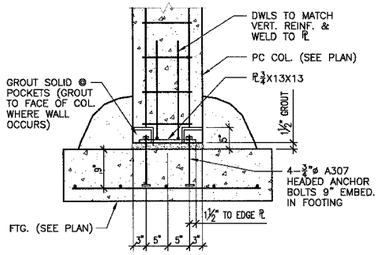
IN FIELD LAYOUT AND SHOP DETAILING, THE CONTRACTOR MUST VERIFY AND COORDINATE DIMENSIONS ON ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. ALL EXISTING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED BY CONTRACTOR.

FOUNDATIONS

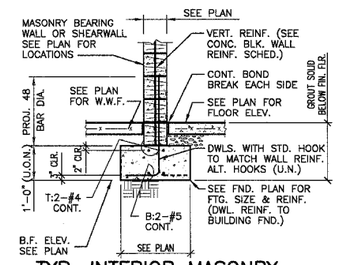
1. FOOTINGS HAVE BEEN PROPORTIONED FOR A NET MAXIMUM BEARING PRESSURE OF 2500 P.S.F. FOR ISOLATED COLUMN FOOTINGS & 2000 P.S.F. FOR CONTINUOUS FOOTINGS.
2. FOOTINGS MUST EXTEND 2'-6 BELOW FINISHED GRADE, AND ARE TO BEAR ON UNDISTURBED SOIL OR ENGINEERED COMPACTED FILL.

GENERAL CONCRETE NOTES

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. SEE SCHEDULE THIS SHEET AND SPECIFICATION FOR CONCRETE STRENGTH.
2. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 STEEL, UNLESS NOTED OTHERWISE.
3. ALL DETAILING, FABRICATION AND PLACEMENT OF BARS AND THEIR SUPPORT IN THE FORMS WITH ACCESSORIES, UNLESS NOTED OTHERWISE, MUST FOLLOW THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES". (ACI 315 LATEST). REINFORCING STEEL PLACING DRAWINGS WILL MEET THE FOLLOWING MINIMUM REQUIREMENTS IN ADDITION TO THOSE STATED ABOVE:
   - A. REINFORCING PLACING DRAWINGS FOR SLABS, BEAMS, JOISTS ETC. WILL BE SHOWN ON PLANS DRAWN TO A MINIMUM SCALE OF 1/8" = 1'-0". MINIMUM SHEET SIZE WILL BE 24" X 36".
   - B. REINFORCING FOR FOUNDATION WALLS, RETAINING WALLS, SHEAR WALLS ETC. WILL BE SHOWN ON ELEVATIONS DRAWN TO A MINIMUM SCALE OF 1/4" = 1'-0".
   - C. REINFORCING FOR BEAMS, COLUMNS AND SLABS MUST BE CLEARLY SHOWN IN SCHEDULES SIMILAR TO THOSE ON THE STRUCTURAL DRAWINGS. COMPUTER PRINT-OUTS ATTACHED TO LARGER SHEETS AND REPRODUCED AS SHOP DRAWINGS WILL NOT BE PERMITTED.
   - D. LOCATION OF REINFORCING NOT CLEARLY DESCRIBED IN SCHEDULED FORMAT MUST BE REFERENCED ON PLACING PLANS.
4. CONCRETE COVER OVER MAIN REINFORCING SHALL BE AS FOLLOWS: FOOTINGS 3", COLUMNS AND BEAMS 2" SOLID SLABS 1" AND WALLS 2" WHERE EXPOSED TO WEATHER OR GROUND AND 1" FOR INTERIOR SURFACES.
5. ALL BARS IN WALLS AND GRADE BEAMS AND TEMPERATURE BARS IN SLABS SHALL LAP A MINIMUM OF 30 DIAMETERS (24" MIN.). SEE PLAN FOR SPECIAL REQUIREMENTS FOR BEAMS, COLUMNS, ETC. ANY SPLICE OF BARS OTHER THAN SHOWN ON PLANS MUST HAVE PRIOR APPROVAL OF THE ENGINEER.
6. WELDED WIRE FABRIC MUST LAP A MINIMUM OF 1'-0" AND SHALL EXTEND 1'-0" INTO SUPPORTING BEAMS AND WALLS UNLESS EXPANSION JOINT IS CALLED FOR. WELDED WIRE FABRIC SHALL BE PLACED ON TOP OF ALL OTHER BARS, SLEEVES, CONDUITS, ETC.
7. PROVIDE THE FOLLOWING ADDITIONAL REINFORCING UNLESS OTHERWISE CALLED FOR ON STRUCTURAL PLANS:
   - A. 2-#5 BARS EACH SIDE OF 12" OR LARGER OPENINGS IN SLABS AND WALLS.
   - B. CORNER BARS (2'-0" X 2'-0") IN OUTER FACE OF ALL CONCRETE WALLS AND GRADE BEAMS TO MATCH SIZE AND SPACING OF BARS IN WALL OR BEAM.
   - C. WALLS, UNLESS NOTED OTHERWISE, #4@12" EACH WAY, EACH FACE AND 2-#5 TOP AND BOTTOM.
8. ALL DOWELS MUST BE IN POSITION BEFORE PLACING CONCRETE PUSHING BARS INTO FRESHLY PLACED CONCRETE IS NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORT BARS AS NECESSARY TO KEEP DOWELS IN PLACE.
9. ALL STRUCTURAL STEEL MUST BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL.
10. ALL ABUTTING CONC. SHALL BE DOWELED TOGETHER UNLESS POURED MONOLITHIC. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ABUTTING MEMBERS.
11. WHEN FOUNDATION WALLS SPAN FROM GROUND FLOOR TO FIRST FLOOR, BOTH GROUND FLOOR SLAB AND FIRST FLOOR SLAB MUST BE IN PLACE BEFORE BACKFILL IS PLACED, UNLESS NOTED OTHERWISE.
12. THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS MUST BE REFERRED TO FOR ALL FLOOR, ROOF AND WALL REQUIREMENTS SUCH AS SLEEVES, OUTLET BOXES, ANCHORS, VENT OPENINGS, ETC., THAT MAY BE REQUIRED. HOLES OR NOTCHES WILL NOT BE ALLOWED IN ANY CONCRETE FRAMING UNLESS SIZE AND LOCATION HAVE BEEN APPROVED BY THE ENGINEER.
13. WHERE EPOXY DOWELS ARE INDICATED, INSTALL PER MANUFACTURERS RECOMMENDATIONS WITH ITW RAMSET/REDHEAD EPCON EPOXY SYSTEM, SIMPSON EPOXY-TIE ADHESIVE OR ANCHOR-IT EPOXY SYSTEM.

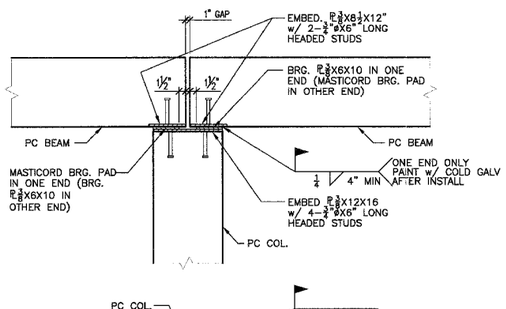


TYPICAL COL. TO FTG CONN.



TYP. INTERIOR MASONRY SHEARWALL FOUNDATION

1.1A



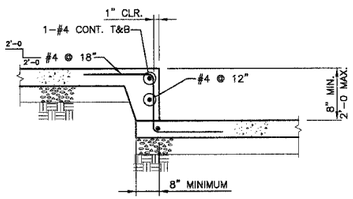
TYPICAL PC BEAM TO PC COLUMN CONN.

1.1B $\frac{3}{4}$"=1'-0

NOTE: EXTEND BM OVER TO EDGE OF COL. WHERE BM OCCURS ONE SIDE ONLY.

CONCRETE STRENGTH SCHEDULE

MEMBER	28 DAY COMPRESSIVE STRENGTH (fc')
PRECAST SLAB, WALL, BEAM & COLUMN	5,000 PSI (TYP. U.N.O.)
CAST IN PLACE WALL	4,000 PSI
ALL OTHERS INCLUDING: FOOTING, ETC.	3,500 PSI



TYPICAL STEP IN SLAB ON GRADE

NOTES: 1. SEE PLAN FOR SLAB THICKNESS, SLAB REINFORCING, AND DEPTH OF STEP.
2. SEE DETAIL "A" WHERE TRENCH DRAIN OCCURS.

CONCRETE BLOCK WALL REINFORCING SCHEDULE

NOMINAL BLOCK THICKNESS	VERTICAL REINFORCING (GROUT SOLID)	HORIZONTAL REINFORCING (GALVANIZED)			
		TYPE	SIDE ROD	CROSS ROD	SPACING
6"	#4 @ 24" (2'-6 LAP)	LADDER	0.148"ø	0.148"ø	16"
8"	#5 @ 32" (2'-6 LAP)	LADDER	0.188"ø	0.148"ø	16"

FOOTING DOWELS TO MATCH WALL REINFORCING (TYP. U.N.O.).

DESIGN INFORMATION

1. BUILDING CODE: BOCA 1999
2. FLOOR LIVE LOADS (PSF): N/A
3. ROOF LIVE LOAD (PSF): 30
4. ROOF SNOW LOAD:
   - A. GROUND SNOW LOAD (PSF), Pg = 20
   - B. FLATROOF SNOW LOAD (PSF), Pf = 14
   - C. SNOW EXPOSURE FACTOR, Ce = 0.9
   - D. SNOW IMPORTANCE FACTOR, I = 1.0
   - E. ROOF THERMAL FACTOR, Ct = 1.0
5. WIND LOAD:
   - A. BASIC WIND SPEED (MPH): 70
   - B. WIND LOAD IMPORTANCE FACTOR, I = 1.0
   - C. WIND EXPOSURE: C
6. EARTHQUAKE DESIGN DATA:
   - A. PEAK VELOCITY-RELATED ACCELERATION, Av = 0.13
   - B. PEAK ACCELERATION, Aa = 0.12
   - C. SEISMIC HAZARD EXPOSURE GROUP: I
   - D. SEISMIC PERFORMANCE CATEGORY: C
   - E. SOIL PROFILE TYPE: S3
   - F. BASIC STRUCTURAL SYSTEM: LOAD BRG. WALL
   - G. SEISMIC RESISTING SYSTEM: REINF. MASONRY SHEARWALL
   - H. RESPONSE MODIFICATION FACTOR, R = 4.5
   - I. DEFLECTION AMPLIFICATION FACTOR, Cd = 4
   - J. SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

ABBREVIATION LIST

BD =	BOTTOM OF DECK
BF =	BOTTOM OF FOOTING
BP =	BEAM POCKET
BS =	BRICK SHELF
BW =	BOTTOM OF WALL
CJP =	COMPLETE JOINT PENETRATION
CP =	COLUMN POCKET
CS =	CONCRETE SHELF
SW =	SHEAR WALL
TC =	TOP OF CONCRETE
TF =	TOP OF FOOTING
TP =	TOP OF PIER
TS =	TOP OF STEEL
TW =	TOP OF WALL
UNO =	UNLESS NOTED OTHERWISE

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SSE PROJECT NO: 02111 PHASE 2B

FA-RTE	SECTION	COUNTY	TOTAL SHEET	SHEET NO
	03-00026-00-PK	MADISON	33	14

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LEWIS AND CLARK MEMORIAL TOWER
VILLAGE OF HARTFORD, ILLINOIS
HARTFORD, ILLINOIS 62049

SHEET TITLE: TYPICAL DETAILS & GENERAL NOTES

REV. NO.	REMARKS	DATE

KENNEDY PROJECT NO
KAI# 10-02048

ISSUE DATE
03-JUNE-05

SHEET NO
S1.1B

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