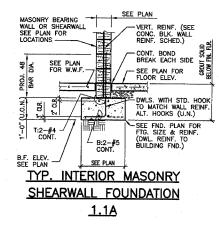
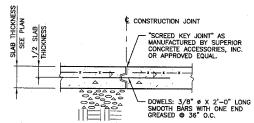


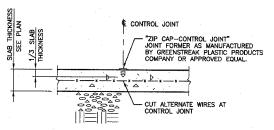
TYPICAL RETAINING WALL CONTROL JOINT AT 20'-0 C/C MAXIMUM (OR AS NOTED)

TYPICAL RETAINING WALL EXPANSION JOINT

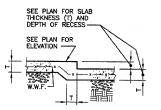




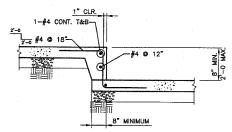
TYP. SLAB ON GRADE CONSTRUCTION JOINT



TYP. SLAB ON GRADE CONTROL JOINT CONTROL JOINTS AT 15'-0" O.C. MAXIMUM E.W., OR AS SHOWN ON PLAN



TYP. RECESS AT SLAB ON GRADE



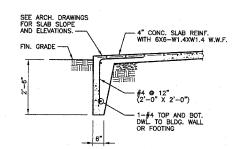
TYPICAL STEP IN SLAB ON GRADE NOTES: 1. SEE PLAN FOR SLAB THICKNESS, SLAB REINFORCING, AND DEPTH OF STEP.

2. SEE DETAIL "A" WHERE TRENCH DRAIN OCCURS.

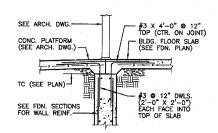
CONCRETE S	STRENGTH SCHEDULE			
MEMBER	28 DAY COMPRESSIVE STRENGTH (fc')			
CAST IN PLACE WALL	4,000 PSI			
ALL OTHERS INCLUDING: FOOTING, ETC.	3,500 PSI			

CONCRETE BLOCK WALL REINFORCING SCHEDULE							
NOMINAL BLOCK 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 <b>"</b> ø	16"		
8"	#5 @ 32" (2'-6 LAP)	LADDER	0.188"ø	0.148 <b>"</b> ø	16"		
12"	#6 @ 32" (3'-0 LAP)	LADDER	0.188″ø	0.148*ø	16"		

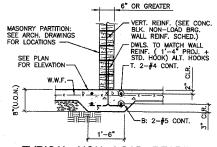
NOTE: FOOTING DOWELS TO MATCH WALL REINFORCING (TYP. U.N.O.).



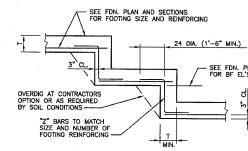
### TYPICAL FROSTWALL



## TYPICAL TOP OF WALL AT DOORWAY



## TYPICAL NON-LOAD BEARING MASONRY PARTITION FOUNDATION



TYP. FOOTING STEP

# **DESIGN INFORMATION**

- 1. BUILDING CODE: BOCA 1999 2. FLOOR LIVE LOADS (PSF): N/A

- 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 MEDOTRANCE FACTOR, I = 1.0
  E. ROOF THERMAL FACTOR, Ct = 1.0
  E. ROOF THERMAL FACTOR, Ct = 1.0
  E. ROOF THERMAL FACTOR, Ct = 1.0
  C. WIND LOAD:
  A. BASIC WIND SPEED (MPH): 70
  B. WIND LOAD:
  DO CONTROL CONTROL

### **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**

- 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.
- FOOTINGS MUST EXTEND 2'-6 BELOW FINISHED GRADE, AND ARE TO BEAR ON UNDISTURBED SOIL OR ENGINEERED COMPACTED FILL.

#### GENERAL CONCRETE NOTES

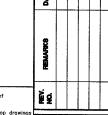
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 STEEL, UNLESS NOTED OTHERWISE.
- 3. ALL DETAILING, FABRICATION AND PLACEMENT OF BARS AND ALL DEPAIRING AND AND PLACEMENT OF BARS AND THEIR SUPPORT IN THE FORMS WITH ACCESSORIES, UNLESS NOTED OTHERWISE, MUST FOLLOW THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCE 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 FRINT—OUTS ATTACHED TO LARGER SHEETS AND REPRODUCED AS SHOP DRAWINGS WILL NOT BE PERMITED.
- D. LOCATION OF REINFORCING NOT CLEARLY DESCRIBED IN SCHEDULED FORMAT MUST BE REFERENCED ON PLACING PLANS.
- CONCRETE COVER OVER MAIN REINFORCING SHALL BE AS FOLLOWS: FOOTINGS 3", COLLUMNS AND BEAMS 2", SOLID SLASS 1" AND WALLS 2" WHERE EXPOSED TO WEATHER OR GROUND AND 1" FOR INTERIOR SURFACES.
- 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.
- 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.
- 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, #4012" 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.
- ALL STRUCTURAL STEEL MUST BE PROTECTED BY 3" OF CONCRETE WHERE EARTH WOULD OTHERWISE BE IN CONTACT WITH STEEL.
- 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.
- UNLESS NOTED OTHERWISE.

  2. 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.

ABBREVIATION LIST

ABBREVATION LIST

BD = BOTTOM OF PECK
BF = BOTTOM OF POOTING
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 POOTING
TP = TOP OF STEEL
TW = TOP OF WALL
UNO = UNLESS NOTED
OTHERWISE



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SSE PROJECT NO: 02111

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KENNEDY PROJECT NO KAIn 10-02048 ISSUE DATE 11-APRIL-08 SHEET NO