GENERAL NOTES

A. OCCUPANCY CATEGORY

B. WIND PRESSURE PER IBC 2009, ASCE 7-05

C. MOVEMENT OF THE SLAB-ON-GRADE MAY CAUSE DAMAGE TO ANYTHING CONNECTED TO BOTH STRUCTURE.

D. REINFORCING: MILD STEEL REINFORCING SHALL BE ASTM A615 WITH A MINIMUM YIELD STRESS OF 40 KSI.

E. AT-REST LATERAL EARTH PRESSURE USED IN DESIGN: ................. 60 PCF

F. ACTIVE LATERAL EARTH PRESSURE USED IN DESIGN: ................. 40 PCF

G. DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66, AND STRUCTURAL ENGINEER.

H. DETAILING IN ACCORDANCE WITH THE PROJECT SOILS REPORT REFERENCED ABOVE; THE CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER IF AS-BUILT LOCATION OF DRILLED PIERS IS MORE THAN 2 INCHES IN ANY DIRECTION FROM ITS SPECIFIED LOCATION.

I. PROVIDE SLEEVES FOR ALL PIPES PLACED THROUGH CONCRETE.

J. PROVIDE SLEEVES FOR ALL PIPES PLACED THROUGH CONCRETE.

K. PROVIDE SLEEVES FOR ALL PIPES PLACED THROUGH CONCRETE.

L. MINIMUM DRILLED PIER DEAD LOAD END BEARING PRESSURE USED IN DESIGN: .30,000 PSF

M. MINIMUM DRILLED PIER PENETRATION INTO COMPETENT BEDROCK:............. 8 FT

N. ENSURE HORIZONTAL CONTINUITY IN WALLS, FOOTINGS AND GRADE BEAMS BY PROVIDING SPECIAL INSPECTIONS.

O. ALL CONCRETE SHALL BE NORMAL WEIGHT AGGREGATE UNLESS NOTED. CLEARLY IDENTIFY TO THE APPROPRIATE DRAWINGS OR CONSULT WITH THE RESPONSIBLE MEMBER OF THE STRUCTURAL ENGINEERING TEAM.

P. NO SPLICES OF REINFORCEMENT PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER.

Q. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION, 13TH EDITION" AND WITH OSHA REGULATIONS.

R. FABRICATE STEEL REINFORCING CAGES RIGIDLY SO AS TO EXPEDITE INSTALLATION IN FOUNDATION WALLS BETWEEN DRILLED PIERS AND BELOW HORIZONTAL PROJECTIONS OF FOUNDATION WALLS.

S. DO NOT RE-BEND ANY BARS WITH A YIELD STRESS OF GREATER THAN 40 KSI.

T. TAKE CARE TO MAINTAIN CONSTANT PIER DIAMETER. ENLARGEMENT (MUSHROOMING) OF ALL CASES, USE METHOD WHICH PREVENTS CONCRETE FROM STRIKING REINFORCING CAGE PRIOR TO COMPLETED EXCAVATION.

U. FILL ALL VENTS WITH CONCRETE.

V. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION, 13TH EDITION" ANDWITH OSHA REGULATIONS.

W. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION, 13TH EDITION" ANDWITH OSHA REGULATIONS.

X. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION, 13TH EDITION" ANDWITH OSHA REGULATIONS.

Y. USE STANDARD FRAMED BEAM CONNECTIONS MEETING REQUIREMENTS OF "MANUAL OF STEEL CONSTRUCTION, 13TH EDITION" ANDWITH OSHA REGULATIONS.
1. All holes in base plates shall be anchor bolt diameter plus 5/16".
2. All holes in plate washers shall be anchor bolt diameter plus 1/16".
3. Plate washers referenced in schedule above shall be field welded to top of column base plate per detail E/S-002.
4. Refer to plan for special blockouts required at concrete supports.
5. Where base plates are notched, orient plate with notched corner of base plate aligned with same plan condition in concrete.
6. Special joist load diagram.
7. Slab edge at curtain wall.
9. TYP. JOIST FIELD WELDS.
10. Mechanic ducts between joists.
11. Mechanic ducts at joist / beam conn.
15. Joist / beam conn.
17. Base plate schedule.
FLOOR PLAN NOTES

10'-4 13/16" 14'-0 7/8" 12'-0" 11'-4 1/4" 7'-0" 5'-8" 4'-5" 3'-5 1/4" 2'-0" 1'-0"

A. DETAIL S. STANDARD DETAILS APPLY TO PROJECT BUT MAY NOT BE CUT ON PLAN.

B. DETAILS. CONNECTORS REQUIRED. RE: COMPOSITE BEAM CONSTRUCTION DETAILS FOR TYPICAL SHEAR BEAMS WITH [XX] DESIGNATION ARE COMPOSITE, WHERE XX INDICATES THE NUMBER OF SHEAR SUCH THAT ROLLING OR SHOP INDUCED CAMBER IS UPWARD AFTER ERECTION. SHOP INDUCED MIDSPAN CAMBER FOR BEAMS NOTED THUS: c=XX" ON PLAN. FABRICATE BEAMS WITHOUT SPECIAL DESIGNATIONS.

C. CONNECTORS REQUIRED. RE: GENERAL NOTES ON SHEET S-001 FOR CONNECTION REQUIREMENTS FOR BEAMS.

TOTAL BUILDING DRIFT: H/500

WHERE REACTIONS ARE NOTED THUS "XXK (SC)" PROVIDE A325 SLIP CRITICAL BOLTS MINIMUM BEAM REACTION = 8K. REACTIONS LESS THAN 8K ARE NOT NOTED ON PLAN.

D. WHERE REACTIONS ARE NOTED THUS "XXK" PROVIDE A325 BOLTS WITHOUT SPECIAL DESIGNATIONS.

RE: GENERAL NOTES ON SHEET S-001 FOR CONNECTION REQUIREMENTS FOR BEAMS.

1. PROJECT:
   UNIVERSITY OF COLORADO - COLORADO SPRINGS
   COLORADO SPRINGS, CO

2. SHEET TITLE:
   BID PACKAGE 03
   FOURTH FLOOR FRAMING PLAN

3. DRAWN BY:
   S-113

4. DRAWN DATE:
   05/28/2013
   ISSUE FOR ADDENDUM 02 - BP 02

5. CHECKED BY:
   06/06/2013
   ISSUE FOR ADDENDUM 04 - BP 02

6. PUBLISHED BY:
   SLATERPAULL

7. PROJECT ADDRESS:
   1801 Broadway, Suite 250
   www.slaterpaull.com

8. P  303.607.0977
BRACE ELEVATION ALONG GRID LINE 5

A706 TAIL RE: ELEV

HSS STRUT

4"

100'-0" 142'-0"

FOURTH FLOOR ROOF

CL COLUMN

HSS9x7x3/8 6"

(210k ULTIMATE)

TYP CL BRACE RE: ~ (2) @ 'SIM' W8x's PER BRACED LINE (292k ULTIMATE BELOW S.O.G. ~ TYP CENTERED @ W8x ~ STAGGER PER SCHEDULE 8" STUD WALL

CL BRACE

142'-0" FIFTH FLOOR

3/8" STIFF PL

8'-4" (63 k ULTIMATE)

HSS4x4x3/8 VARIES 1" CLR FOR ADDITIONAL INFORMATION

L6x4x5/16x CONT W/ 5/8"ø W.P.

BRACE ELEVATION ALONG GRID LINE 2

BRACE CONN @ TOP 1/4" AMPLITUDE DRILLED PIER

@ 24" MAX (10) #9 DRILLED DOWEL CAGE

1" = 1'-0" S-310

3/4" = 1'-0" S-310

CL BRACE

SECOND FLOOR THIRD FLOOR FOURTH FLOOR FIFTH FLOOR

256k ULTIMATE VARIES HSS9x7x1/4 6"

S-310 HSS6x6x1/4

(116 k ULTIMATE) HSS4x4x3/8

(60 k ULTIMATE) (175k ULTIMATE)

NOT SHOWN FOR REINFORCEMENT TO 1/4" AMPLITUDE DRILLED PIER

TYP BRACING LAYOUT @ HSS 6x6

INTO PILASTER IS WITHIN 1/2" TOLERANCE BASE PLATE ~ RE: SCHEDULE 0.177"ø POWER DRIVEN Pins @ 16" O.C. ~ TYP 0.177"ø POWER DRIVEN Pins @ 16" O.C. ~ TYP 1" = 1'-0" S-310

1 1/4"øx4'-0" ANCHOR BOLT

12 @ ø<45° 15 @ ø>45°