

STRUCTURAL NOTES:

GENERAL:

- A. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS.
- B. ALL DESIGN AND CONSTRUCTION IS BASED ON AND SHALL BE IN ACCORDANCE WITH THE STANDARD BUILDING CODE 2009 WITH 2007 THROUGH 2009 GEORGIA AMENDMENTS.
- C. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.
- D. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SET-F-SUPPORTING ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADAPTACY, SAFETY, AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
- E. NO REINFORCING HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCRETE SLAB AND REBAR BRACING. MECHANICAL OR HVAC IN EXCESS OF 200# PER JOIST EXCEPT AS SHOWN ON THE PLANS. HVAC JOIST HANGERS SHALL BE SUPPORTED BETWEEN ROOF JOISTS AS SHOWN IN THE TYPICAL HVAC SUPPORT FRINGE DETAIL.
- F. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF ROOF PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS THROUGH ROOF DECK GREATER THAN 12" SQUARE SHALL BE FRAMED AS SHOWN IN THE TYPICAL ROOF OPENING FRINGE DETAIL.
- G. UNLESS NOTED, ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS.
- H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLETE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.

SHOP DRAWINGS:

- A. THE CONTRACTOR SHALL SUBMIT AS REQUIRED, PRINTS OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW. REPRODUCTION OF CONTRACT DRAWINGS FOR SHOP DRAWINGS WILL NOT BE PERMITTED.
- B. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS.
- C. SHOP DRAWINGS REQUIRING A SPECIAL ENGINEERING DESIGN BY THE FABRICATOR SHALL BE STAMPED BY A REGISTERED ENGINEER OF RECORD IN THE STATE WHICH CONSTRUCTION WILL OCCUR BEFORE SUBMITTING FOR REVIEW BY THE ARCHITECT/ENGINEER.
- D. THE OWNER WILL NOT PAY FOR ADDITIONAL CHARGES DUE TO REVISIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILING PROGRAM. THE DETAILER SHALL ESTIMATE AND INCLUDE ANY COSTS IN THE BAGE BID ASSOCIATED WITH REDRAWING FEES AS A RESULT OF CHANGES AND/OR REVISIONS MADE TO THE SHOP DRAWINGS DURING THE SHOP DRAWING REVIEW.
- E. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS INCLUDING BUT NOT LIMITED TO PRECAST CONCRETE CURTAIN WALL GLAZING SYSTEMS, LIGHT GAUGE STEEL FRAMING OR ORYAMENTAL GUARDRAILS, SKYLIGHTS, AND STAIRS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF DESIGN LOADS.
- A. DESIGN ROOF DEAD LOAD:
1. 20 PSF
- B. DESIGN ROOF LIVE LOAD:
1. 20 PSF
2. REDUCTIONS APPLIED PER TRIBUTARY AREA AS PERMITTED BY CODE
- D. DESIGN FLOOR LIVE LOAD:
1. 75 PSF SLAB-ON-GRADE
2. REDUCTIONS APPLIED AS PERMITTED BY CODE
- E. DESIGN SNOW LOAD:
1. GROUND SNOW LOAD: Pg = 9 PSF
- F. DESIGN WIND LOAD:
1. DESIGN WIND SPEED (3 SECOND GAUST), 90 MPH
2. WIND IMPORTANCE FACTOR, $I_w = 1.0$
3. UNID EXPOSURE CATEGORY: B
4. COMPONENTS AND CLADDING WIND PRESSURE: 20 PSF
- G. DESIGN SEISMIC INFORMATION:
1. SEISMIC USE GROUP: I
2. SPECTRAL RESPONSE COEFFICIENT, $S_s = 0.235$
3. SPECTRAL RESPONSE COEFFICIENT, $S_1 = 0.195$
4. SITE CLASS: D
5. BASE SEISMIC FORCE RESISTING SYSTEM:
6. DESIGN BASE SHEAR: 91K
1. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE (16.17.4)
8. RESPONSE MODIFICATION FACTOR, R: 3.0
9. SEISMIC DESIGN CATEGORY: C
10. SEISMIC IMPORTANCE FACTOR, $I_e = 1.0$
- SHALLOW FOUNDATIONS:
A. DESIGN SOIL BEARING PRESSURE IS 15000 PSF.
- B. THE SITE SHALL BE PREPARED UNIFORM IN ACCORDANCE WITH CIVIL DRAWINGS, SPECIFICATIONS AND THE REPORT OF SUBSURFACE INVESTIGATION BY BURNS COLLETT DENNIS, INC. NO 050713 DATED 12/15/10. THE CONTRACTOR SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT/ENGINEER ANY VARIATIONS.
- C. ALL EXCAVATIONS AND BUILDING PADS SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT ADVERSE CONDITIONS.
- D. WHERE FILL IS REQUIRED, IT SHALL BE PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.
- E. FOOTING ELEVATIONS GIVEN ARE FOR THE PURPOSE OF DESIGN ONLY. BELOW FOOTING NOT MEETING DESIGN BEARING PRESSURE SHALL BE EXCAVATED TO A DEPTH OF VERIFIABLE DESIGN PRESSURE AND BACKFILLED WITH #1 STONE TO A LEVEL OF QUALIFIED GEOTECHNICAL ENGINEER.
- F. THE BOTTOM OF ALL FOUNDATION SHALL BE PLACED AT A MINIMUM OF 12" BELOW THE TOP OF THE FINISHED GRADE.

SLAB-ON-GRADE:

- A. C.1. DENOTES CONCRETE SLAB CONTROL JOINT WHICH SHALL BE CUT INTO THE SLABS AT A DEPTH OF 1/4 TIMES THE THICKNESS OF THE SLAB WITHIN 12 HOURS OF PLACING THE CONCRETE. MAXIMUM SPACING OF INTERIOR SLAB CONTROL JOINTS UNLESS OTHERWISE NOTED, SHALL BE 20'-0" (MAX).
- B. SLAB CONSTRUCTION JOINTS SHALL BE USED IN PLACE OF FORM JOINTS UNLESS OTHERWISE NOTED TO INTERUPT A CONTINUOUS FLOOR. SLAB CONSTRUCTION JOINTS SHALL BE KEPT:
- C. PLACEMENT OF WELDED WIRE REINFORCEMENT IN SLABS, WHERE SPECIFIED, SHALL BE AT A CONTIGUOUS DEPTH OF 1'-2" FROM T/4S OVER EACH REINFORCING SHEET AND FULL PANELS AND THE CROSS WIRE ON EACH SIDE. WELDED WIRE REINFORCEMENT SHALL BE SUFFICIENT IN FLAT SHEETS.
- D. REFER TO ARCHITECTURAL/MECHANICAL FOR SLAB FINISHES, SLAB DEPRESSIONS, ELEVATIONS, AND ENCASED OR EMBEDDED ITEMS.
- E. PLUMBING AND ELECTRICAL CONDUITS SHALL BE PLACED BELOW THE SLABS AND NOT WITHIN THE SLAB. VERTICAL PENETRATIONS ARE ALLOWED.
- F. COLUMN BOX-OUTS SHALL BE USED TO ISOLATE AN ADEQUATE AREA AROUND COLUMN BASE PLATES TO PROVIDE FOR COLUMN PLACEMENT AND LIFTING. BOX-OUTS ARE TO BE CLEAN AND FREE OF OBSTRUCTIONS. BOX-OUTS SHALL BE REINFORCED WITH WELDED WIRE AND FULLY GROUTED PRIOR TO PLACEMENT OF SLAB.
- REINFORCING STEEL:
A. REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED IN ACCORDANCE WITH THE 15E MANUAL OF STEEL CONSTRUCTION FOR DESIGN AND FABRICATION (LATEST EDITION) AND CR61 1987-1 (MANUAL OF STANDARD PRACTICE) LATEST EDITIONS.
- B. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60 (UNLESS NOTED).
- C. ALL WELDED REINFORCING STEEL SHALL CONFORM TO ASTM A 106 AND BE USED ONLY WITH PRIOR PERMISSION FROM THE STRUCTURAL ENGINEER.
- D. ALL TENSION SPLICES, INCLUDING SPLICES FROM BARS LABELED CONDUITS, SHALL CONFORM TO ACI 308-53.
- E. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A 95 AND BE LAPPED TWO FULL PANELS AND TIED ON EACH SIDE AND SHALL BE SUFFICIENT IN FLAT SHEETS.
- F. LONGITUDINAL REINFORCING BARS IN FOOTINGS SHALL BE PLACED CONTINUOUS AT CORNERS AND INTERSECTIONS.
- G. FOR EVERY VERTICAL OR HORIZONTAL BAR DISCONTINUED BY AN OPENING, ONE BAR (MIN. OF 2 BARS) SHALL BE ADDED @ SIDE OF OPENING (HALF TO EACH SIDE - TYPICAL).
- CONCRETE:
A. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 308-53 AND ACI 301-53.
- B. CEMENT SHALL BE TYPE I OR II CONFORMING TO ASTM C 150 AND CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
INTERIOR SLAB-ON-GRADE 3000 PSI
FOOTINGS, PILES, WALLS 3500 PSI
- C. TEST CYLINDERS SHALL BE TAKEN AS A REPRESENTATIVE SAMPLE OF CONCRETE PLACED IN THE AMOUNT ACCORDING TO THE LESSER OF THE FOLLOWING:
1. 2% CUBE YARDS
2. CHANGE IN CONCRETE STRENGTH
3. CHANGE IN CONCRETE STRENGTH
- D. TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT/ENGINEER UNLESS OTHERWISE NOTED. NORMAL WEIGHT CONCRETE (145 PCF) SHALL BE USED WITH 3/4" MAX. TELEVATED 1" MAX. (SLAB-ON-GRADE) CONCRETE. ADDESMITE CONCRETING TO ASTM C 33.
- E. WHERE LIGHT WEIGHT CONCRETE (115 PCF) IS SPECIFIED FOR ELEVATED FLOOR SLABS ON METAL FORM DECK, 3/4" MAX. LIGHT WEIGHT AGGREGATE CONFORMING TO ASTM C 330 SHALL BE USED.
- F. CONCRETE SLUMP SHALL BE 3" - 5" (MAX.) FOR REGULAR MIX WITH SUPERPLASTICIZER ADJUSTING INCREASING SLUMP TO 8" (MAX.). CONCRETE AIR-ENTRAIMENT SHALL BE 4.5% TO 1.5% FOR EXTERIOR SLABS AND 0% TO 3% FOR INTERIOR SLABS.
- G. UNLESS OTHERWISE NOTED, CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH - 3"
FOURD CONCRETE EXPOSED TO EARTH OR WEATHER - 2"
INTERIOR SLABS - 1"
- H. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE ROUGHEN AND CLEAN SURFACE OF THE ADJOINING AREA AND COAT WITH SKIDUR 33 H-HOD OR AN APPROVED BONDING AGENT.
- I. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.
- J. THE RESULTS OF ALL CONCRETE COMPRESSION TESTS SHALL BE AT THE JOB SITE FOR REVIEW BY THE INSPECTOR.
- K. THE FOLLOWING CRITERIA REGARDING PIPES AND CONDUITS EMBEDDED IN CONCRETE MUST BE FOLLOWED. THIS CRITERIA WILL BE STRICTLY ENFORCED. CONCRETE SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH THE APPROVAL OF THE STRUCTURAL ENGINEER.
1. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
2. CONDUITS AND PIPES OF STEEL PASSING THROUGH A SLAB WALL CONSTRUCTION SHALL NOT SIGNIFICANTLY IMPAIR THE STRENGTH OF THE CONSTRUCTION.
3. CONDUITS AND PIPES SHALL NOT BE SPACED CLOSER THAN 3" IN WHICH THEY ARE EMBEDDED.
4. CONDUITS AND PIPES SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB WALL, OR BEAM IN WHICH THEY ARE EMBEDDED.
5. CONDUITS AND PIPES SHALL NOT BE SPACED CLOSER THAN 3" TO EACH OTHER.
6. CONDUITS AND PIPES SHALL BE PLACED BETWEEN TOP AND BOTTOM SLAB REINFORCEMENT.
7. CONDUITS AND PIPES SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.

CONCRETE MASONRY:

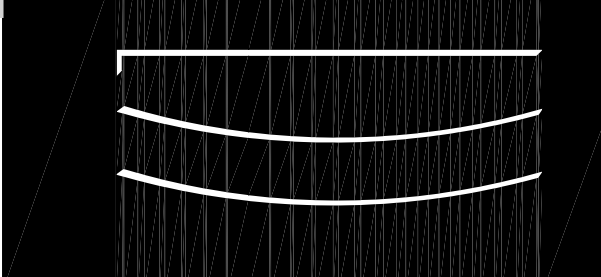
- A. ALL MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI 530-59/ACCE 5-59/715 402-59 AND ACI 530.1-59/ACCE 6-59/715 602-59.
- B. CONCRETE MASONRY UNITS SHALL BE NORMAL OR LIGHT WEIGHT AND CONFORM TO ASTM C 90. JOINTS IN BRICK BOND UNLESS NOTED, FIN SHALL BE 1500 PSI (MIN. CHU COMPRESSIVE STRENGTH + 1500 PSI). COMPLETE TEST REPORT THAT DOCUMENTS MINIMUM COMPRESSIVE STRENGTH SHALL BE SUBMITTED TO THE BUILDING INSPECTOR.
- C. JOINT REINFORCING - TRUSS TYPE 3 GAUGE SPACED VERTICALLY AT 16" UNLESS NOTED OTHERWISE AND CONFORM TO ASTM A 95.
- D. VERTICAL REINFORCING IN CONCRETE MASONRY (AS REQUIRED) SHALL BE DOUBLED INTO THE FOUNDATION AND EXTEND INTO THE BOND BEAM AT THE FLOOR OR ROOF. PROVIDE MIN. 4" X 4" OPENING AT U BOND BEAM FOR VERTICAL BAR.
- E. PROVIDE REINFORCING IN CONCRETE MASONRY GROUTED CELLS AT EACH SIDE OF OPENING EQUAL TO THE REINFORCING DISPLACED. MINIMUM REINFORCING SHALL BE 1-#5 AT EACH SIDE UNLESS REINFORCED CONCRETE JAMB IS CALLED OUT.
- F. PROVIDE JOINT REINFORCING AT 8" AT MASONRY BELOW GRADE 2' ROUS AT 8" AT TOP AND BOTTOM OF OPENINGS (EXTEND 24" EACH SIDE) AND 2' ROUS AT 8" AT BOND BEAMS.
- G. CONCRETE MASONRY UNITS SHALL BE CUT BELOW CONCRETE BEAMS OR BOND BEAMS AS REQUIRED IN REFER TO GBT CONTINUOUS BEAM OR BOND BEAMS AT THE PROPER ELEVATION.
- H. ALL CELLS BELOW GRADE AND SLAB ON GRADE SHALL BE GROUTED.
- I. HORIZONTAL BEAMS, BOND BEAMS AND REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS.
- J. 16" DEEP BOND BEAMS MAY BE CONSTRUCTED OF 8" U BLOCK BELOW AND 8" STANDARD BLOCK ABOVE WITH BREAK ALWAY TOP PART OF UEB.
- K. SEE ARCHITECTURAL DRAWINGS FOR LAYING MASONRY AND LOCATION OF OPENINGS.
- GRAUT AND HORSTIAS:
A. GROUT UNDER BEARING PLATES SHALL BE NON-SHINK SKIDAROUT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- B. MASONRY GROUT SHALL CONFORM TO ASTM C 418 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS PER ASTM C 33. MAXIMUM AGGREGATE SIZE SHALL BE 1/4" AND SLUMP SHALL BE 50 TO 75. FLACED AND COMPRESSION TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT/ENGINEER.
- C. MASONRY MORTAR SHALL BE TYPE "S" AND CONFORM TO ASTM C 270.
- STRUCTURAL STEEL:
A. CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION, NINTH EDITION.
- B. MATERIALS:
ASTM A 36, 57, 58, K91 IN GENERAL
ASTM A 56, FT-136, K91 FOR PLATES, BARS, RODS AND ANGLES.
ASTM A 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

- OPEN WEB STEEL JOISTS:
A. ALL JOISTS SHALL BE FABRICATED WITH STANDARD CHANNELS AND ERECTED IN ACCORDANCE WITH STEEL JOIST INSTITUTE, LATEST REVISION.
- B. K-Series STEEL JOISTS SHALL BE CONNECTED TO STEEL BY 1/8" DIA. WELDED END PLATES. WELDED END PLATES SHALL BE WELDED TO STEEL BY 1/4" WELD 2" LONG EACH SIDE FOR PROVIDING JOIST ANCHORAGE THAT MEETS ALL CURRENT OSHA REQUIREMENTS.
- C. EXTEND LOWER JOIST CHORD AT ALL COLLING PER CURRENT OSHA REQUIREMENTS.
- D. HORIZONTAL BRIDGING SHALL BE AN ANGLE AT TOP AND BOTTOM, DESIGNED FOR L/1-200 OR LESS (MIN. Q).
- E. CROSS BRIDGING SHALL BE AN ANGLE DESIGNED FOR L/1-200 OR LESS UNLESS NOTED.
- F. UNLESS NOTED OTHERWISE, JOIST SPACES ADJACENT TO END JOISTS SHALL HAVE CROSS BRIDGING.
- G. BOTTOM CHORD OF ROOF JOIST SHALL BE DESIGNED FOR NET UPLIFT OF 12 PSF (MIN).
- H. UNLESS NOTED K-SERIES STEEL JOIST SHALL HAVE 2 1/2" DEEP BRACING LUGS SERIES 5" DEEP BEARING. WHERE STEEL JOIST OR GIRDER SLOPE EXCEEDS 1/4" PER FT., PROVIDE SLOPED BEARING.
- I. ALL JOIST SHALL RECEIVE A COAT OF RUST INHIBITIVE GREY PRIMER.
- STEEL ROOF DECK:
A. CONFORM TO STEEL DECK INSTITUTE DESIGN MANUAL, LATEST EDITION.
- B. UNLESS NOTED, ROOF DECK SHALL BE WIDE RIB PRIME PAINTED MINIMUM YIELD STRENGTH SHALL BE 33,000 PSI.
- C. ROOF DECK SHALL BE ATTACHED AS FOLLOWS:
1. AT SUPPORTS: #2 BARS @ 6" ON CENTER (PER DETAIL DRAWINGS)
2. AT SIDE LAPS: #6 TIEKS
- D. SPACING OF CONNECTIONS SHALL BE AS FOLLOWS UNLESS NOTED:
1. INTERIOR SPLICES: 17" OC MAX. (36/4 PATTERN) - SIDE LAPS
2. END LAPS: 2 FEET SPACING EACH SUPPORT
3. AT PERIMETER OF BUILDING: 6" OC. (36/7 PATTERN)
- E. DECK SHALL BE PLACED AT THE PERIMETER WITH A COMPLETE RIB BEARING ON THE STEEL SUPPORT. DECK SHALL BE SUPPORTED BY A MINIMUM OF FOUR SUPPORT LOCATIONS (SEE 9-FRAN CONDITION).
- F. MINIMUM FINAL ROOF SLOPE SHALL BE 1/4" PER FT., WHERE SLOPE IS NOT ACHIEVED BY STEEL STRUCTURE, CREATE IT WITH INBALLATION ABOVE THE DECK (SEE ARCHITECTURAL DRAWINGS).
- COLD FORMED METAL BRACING (METAL STUDS AND JOISTS):
A. DESIGN FABRICATIONS AND ERECTION SHALL CONFORM TO AISC SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION. ALL METAL STUDS SHALL BE GALVANIZED.
- B. ALL STUDS, JOISTS, TRACK BRIDGING, END CLAMPERS AND ACCESSORIES SHALL BE FORGED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF AISC SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS UNLESS NOTED OTHERWISE.
- C. ALL PRODUCTS TO BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL MANUFACTURERS ASSOCIATION.
- D. ALL MATERIAL AND ACCESSORIES SHALL BE FORGED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING ASTM A 653.
- E. ALL SCREWS SHALL BE NON CORROSIVE NO. 12-14 STANDARD SELF DRILLING TYPE SCREWS OR EQUIVALENT (DO NOT USE STAINLESS STEEL OR COPPER COATED FASTENERS).
- F. ALL SCREWS SHALL HAVE A MINIMUM EDGE DISTANCE OF 1" UNLESS NOTED OTHERWISE ON DRAWINGS.
- G. ALL SCREWS SHALL BE A MINIMUM OF 1" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS.
- H. UNLESS NOTED, TRACKS SHALL BE SAME DEPTH AS STUDS OR JOISTS AND EQUAL OR THICKER GAUGE THAN STUDS OR JOISTS. TRACKS SHALL BE CONNECTED TO SUPPORTS WITH TWO SCREWS OR NAILS AT 16" MAX. STUDS OR JOISTS SHALL BE CONNECTED TO TRACKS AT EACH SIDE.
- I. ALL LOAD-BEARING WALLS SHALL HAVE WALL BRIDGING @ 4'-0" OC. MAX. THE QUANTITY OF STUDS AND JOISTS DISPLACED OR CUT FOR OPENING SHALL BE PLACED HALF ON EACH SIDE OF OPENING.
- SPECIAL INSPECTIONS:
A. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 102 OF THE BUILDING CODE. THE SPECIAL INSPECTOR SHALL BE COMPETENT TO THE EXTENT OF THE BUILDING OFFICIAL OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 109 OF THE BUILDING CODE.
- B. SEE SECTION 104, SPECIAL INSPECTIONS FOR THE BUILDING CODE FOR FULL CRITERIA AND EXCEPTIONS FOR INSPECTION REQUIREMENTS, MATERIALS INSPECTIONS.

ARCHITECTURE

PLANNING

INTERIOR DESIGN



Lyman
Davidson
Dooley, Inc.

1540 Duane Ferry Road
Building 1, Suite 107
Mableton, GA 30067
770.850.8494 /
770.850.9999 f
lhd@lhdobdc.com

ATLANTA
NASHVILLE
TAMPA
FT. COLLINS

C

1. ALL LOAD-BEARING WALLS SHALL HAVE WALL BRIDGING @ 4'-0" OC. MAX. THE QUANTITY OF STUDS AND JOISTS DISPLACED OR CUT FOR OPENING SHALL BE PLACED HALF ON EACH SIDE OF OPENING.

B

1. ALL LOAD-BEARING WALLS SHALL HAVE WALL BRIDGING @ 4'-0" OC. MAX. THE QUANTITY OF STUDS AND JOISTS DISPLACED OR CUT FOR OPENING SHALL BE PLACED HALF ON EACH SIDE OF OPENING.

A

COUNTY LINE BOND
ROBERT W. DAVIS

DAN TUCKER
COLLINS GOODMAN

1447 Peachtree St NE
Atlanta, Georgia 30309

GENERAL
NOTES
MKV
10/08/1100
MRN

001
12/19/05

PRUITT BERRY STONE
STRUCTURAL ENGINEERS

1832 CENTURY PLACE, SUITE 201, ATLANTA, GEORGIA 30345
TEL: 770.457.5253 FAX: 770.457.9939
WWW.PRUITTBERRYSTONE.COM