

GENERAL NOTES:

- ALL DIMENSIONS GIVEN ON STRUCTURAL DRAWINGS MUST BE CHECKED WITH ARCHITECTURAL DRAWINGS AND ANY INCONSISTENCIES REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- FOOTINGS TO REST ON UNDISTURBED SOIL OF A MINIMUM BEARING CAPACITY OF 2.0 TONS () PER SQUARE FOOT AND IN ALL CASES AT LEAST 1'-0" BELOW EXISTING (ORIGINAL) GRADE.
- ALL EXTERIOR FOOTINGS SHALL BE CARRIED DOWN TO A MINIMUM OF 4'-0" BELOW FINISHED GRADE. FOOTINGS EXPOSED TO FROST ACTION DURING CONSTRUCTION SHALL BE PROTECTED BY 4'-0" OF EARTH OR ITS EQUIVALENT.
- THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7" IN A RUN OF 10". MAXIMUM STEP IN A STEPPED FOOTING TO BE APPROXIMATELY 2 FEET.
- ALL REINFORCING STEEL SHALL BE DEFORMED (W-BOND) BARS OF HARD GRADE NEW BILLET STEEL AND HAVE AN ALLOWABLE WORKING STRESS OF 20,000 P.S.I. PER SQUARE INCH, EXCEPT 1/2" BARS WHICH MAY BE 18,000 P.S.I. PER SQUARE INCH. ALL BARS SHALL BE SECURELY HELD IN PLACE WHILE POURING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS, UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS.
- ALL CONTINUOUS REINFORCING BARS SHALL BE LAPPED 24" BAR DIAMETER AT SPICES AND BENDS UNLESS OTHERWISE SHOWN. LAP CONTINUOUS TOP BARS AT CENTERS BETWEEN SUPPORTS AND CONTINUOUS BOTTOM BARS AT SUPPORTS IF REQUIRED. TERMINATE CONTINUOUS BARS AT NON-CONTINUOUS ENDS WITH STANDARD HOOKS.
- MINIMUM COVER FOR REINFORCING BARS SHALL BE 1" IN SLABS, 1" IN WALLS AND 2" IN COLUMNS. FOR ALL CONCRETE EXPOSED TO WEATHER OR EARTH FILL MINIMUM COVER SHALL BE 2" (1 1/2" FOR STIRRUPS) WHERE FORMS USED. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 3" FOR ALL CONCRETE POURED AGAINST EARTH.
- SEE NOTES UNDER PLANS FOR STRENGTH OF CONCRETE.
- ALL SLABS ON EARTH SHALL BE POURED IN ALTERNATE PANELS NOT EXCEEDING 800 SQUARE FEET BETWEEN KEYS OR CONSTRUCTION JOINTS.
- NO BACKFILL SHALL BE PLACED AGAINST WALLS UNTIL SLABS BRACING THE TOP AND BOTTOM OF WALL HAVE BEEN POURED AND SET.
- ALL SLABS ON GRADE TO BE REINFORCED WITH 6" x 6" WELDED WIRE MESH WEIGHING 25# PER SQUARE FOOT.
- NO HORIZONTAL CONSTRUCTION JOINTS ARE TO BE MADE IN CONCRETE WALLS UNLESS OTHERWISE SHOWN ON SECTIONS.
- CHASSES FOR SLABS AND POCKETS FOR BEAMS SHALL BE PROVIDED IN FOUNDATION WALLS.
- ALL BEAMS AND SPANDRELS TO BE POURED MONOLITHICALLY WITH THE SLAB EXCEPT AS NOTED ON SECTIONS. NO HORIZONTAL CONSTRUCTION JOINTS ARE TO BE MADE IN SLABS OR BEAMS.
- VERTICAL KEYS OR CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE AT CENTRE OF BEAM OR SLAB SPANS WHERE STOP IN CONCRETE WORK IS NECESSARY. FOR ADDITIONAL REINFORCEMENT AT CONSTRUCTION JOINTS SEE DETAIL OF THIS DRAWING.
- CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANCHOR BOLTS ETC. AS REQUIRED FOR MECHANICAL TRADES BEFORE CONCRETE IS POURED. THESE ITEMS TO BE INSTALLED BY THE CONTRACTOR.
- ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLABS AFTER PIPING IS INSTALLED.
- CONCRETE, STEEL OR WOOD BEAMS BEARING ON MASONRY WALLS SHALL HAVE A MINIMUM BEARING OF 8" UNLESS OTHERWISE NOTED. BRICK Laid IN CEMENT MORTAR SHALL BE USED FOR A LENGTH EQUAL TO TWICE THE LENGTH OF BEARING AND FOR A DEPTH EQUAL TO THE LENGTH OF THE BEARING. CONCRETE SLABS SHALL HAVE A MINIMUM BEARING OF 4" ON MASONRY WALLS. OPEN WEB STEEL JOISTS SHALL HAVE A MINIMUM BEARING OF 4" ON MASONRY WALLS. LONG SPAN STEEL JOISTS AND LOOSE ANGLE LINTELS SHALL HAVE A MINIMUM BEARING OF 6" ON MASONRY WALLS.
- AT OPENINGS IN CONCRETE WALLS ADD 2# BARS IN HEADS, JAMBS AND SILLS UNLESS OTHERWISE NOTED.
- STRUCTURAL STEEL TO BE C.S.A. 40-12 WITH AN ALLOWABLE STRESS OF 24,500 P.S.I. PER SQUARE INCH.

DESIGN LIVE LOADS:	TYPICAL FLOOR	40 P.S.F.
	CORRIDOR & BALCONY	100 P.S.F.
	GARAGE ROOF	250 P.S.F.
	GARAGE FLOOR	50 P.S.F.

LINTEL SCHEDULE									
OVER ALL OPENINGS AND RECESSES IN MASONRY PARTITIONS AND WALLS PROVIDE LINTELS AS SCHEDULED BELOW UNLESS OTHERWISE INDICATED ON THE DRAWINGS.									
STRUCTURAL STEEL LINTELS									
NON-BEARING PARTITIONS									
MAX. CLEAR SPAN	TYPE	REINFORCING	THICK	TYPE	MATERIAL	TYPE	MATERIAL	TYPE	OVER 12"
4'-0"	DO	1/2"	1/4"	DO	20-3/4-1/2"	DO	20-4-1/4"	DO	30-3/4-1/2"
6'-0"	DO	1/2"	1/4"	DO	20-3/4-1/2"	DO	20-4-1/4"	DO	30-3/4-1/2"
7'-0"	DO	1/2"	1/4"	DO	20-3/4-1/2"	DO	20-4-1/4"	DO	30-3/4-1/2"

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MINIMUM LENGTH OF BEARING IS 6" AT EACH SUPPORT.

PROVIDE BUILDING PAPER JOINT.

HOOKED REINFORCING TOP & BOTTOM.

FILL VOIDS WITH 3000 P.S.I. CONCRETE.

DOUBLE ANGLES SHALL BE BOLTED BACK TO BACK (CLL & B) WITH 7/8" BOLTS @ 2'-0" O.C. OR EQUIVALENT. STITCHWELD SHALL BE PROVIDED.

WHERE LINTEL CONSISTS OF COMPONENTS NOT BEARING ON COMMON ELEVATION PROVIDE STEEL PACKING RE TO ENSURE EVEN BEARING.

WHERE TYPES 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 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.

