

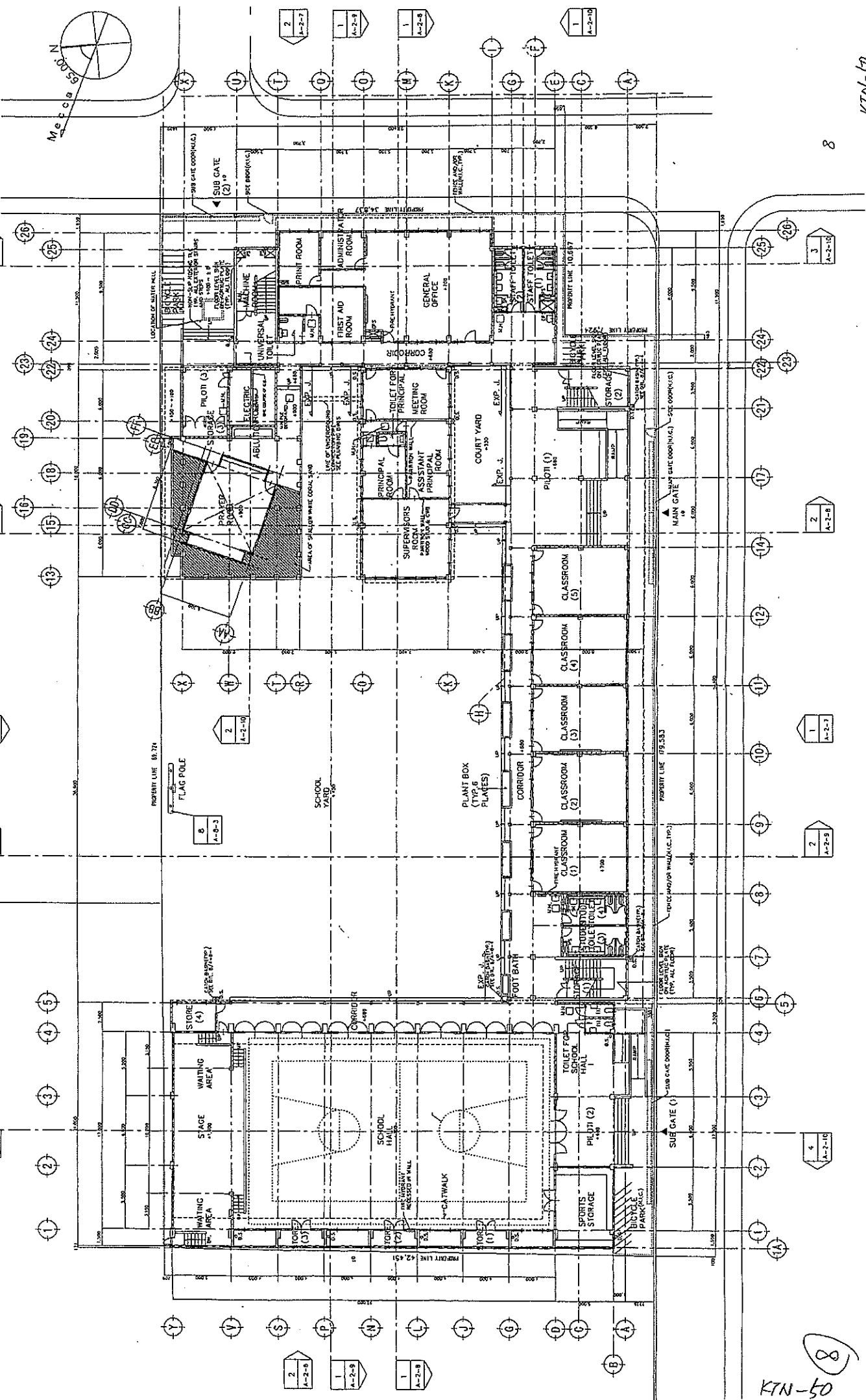
No. 8 Thaajuddeen School

As-Build DWG.

KTN-49

56

- NOTE:
1. ALL FLOOR LEVELS INDICATED ARE TAKEN FROM GROUND LEVEL SET AS 0.0.
  2. ALL FLOOR LEVELS INDICATE FINISH FLOOR LEVEL UNLESS OTHERWISE NOTED.
  3. ALL CONCRETE WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE S.P. 38-13 SPECIFICATIONS FOR STRUCTURAL CONCRETE.
  4. ALL PLASTER FINISH E.T.P.



KTN-50

8

PROJECT NAME: THE PROJECT FOR RECONSTRUCTION

DRAWING TITLE: ASH III.1 DRAWING

SCALE: 1"=20'

DATE: 11/20/00

NO. 1

BY: A. G. 1

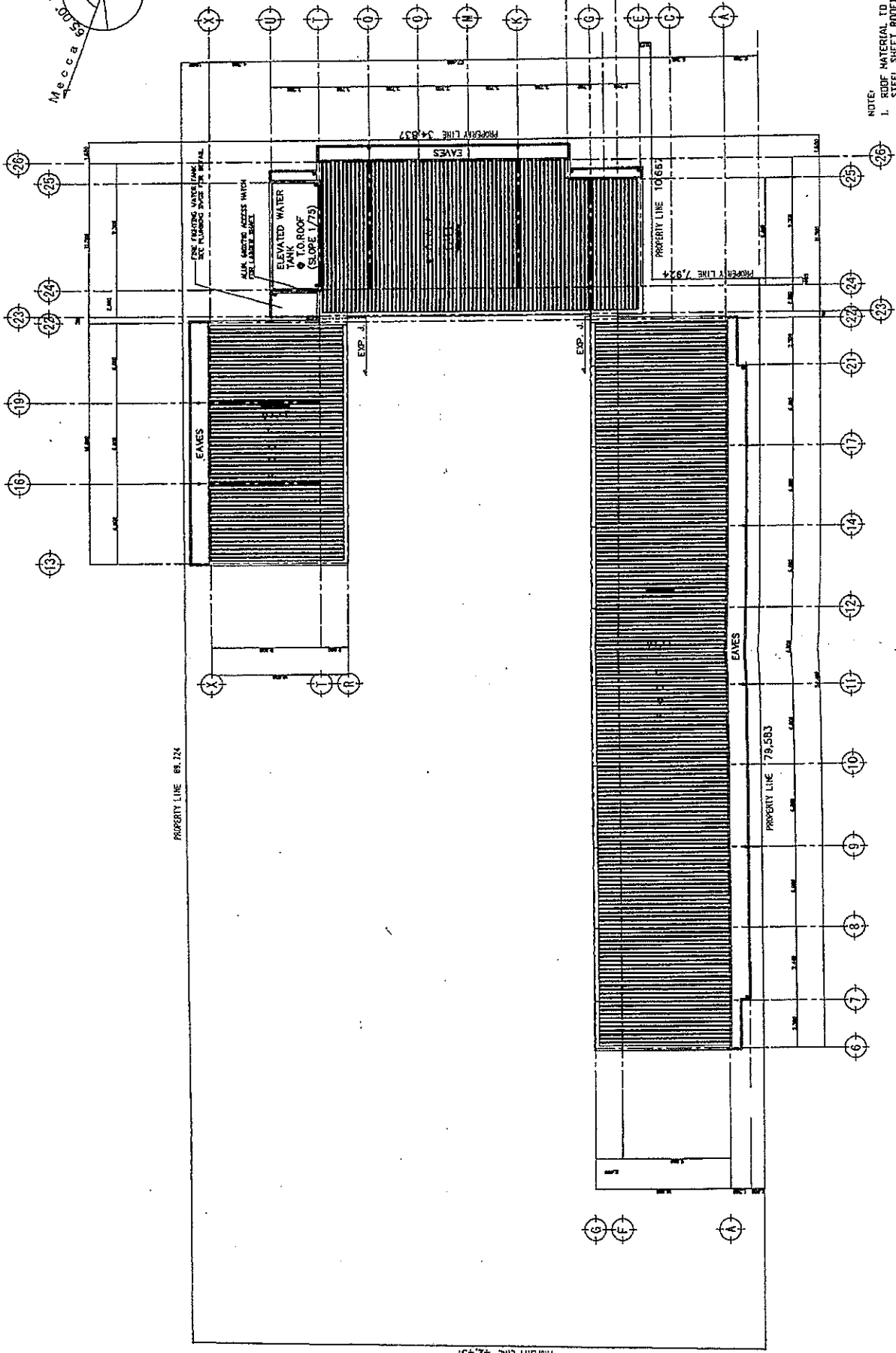
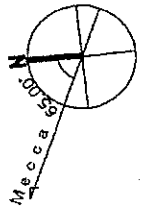
MOHRI ARCHITECT & ASSOCIATES, INC.

2411 VASQUEL CIRCLE, SUITE 100, HOUSTON, TEXAS 77057

KTN-50

(8)





塔顶

8  
 作塔 17x23 = 5  
 塔底 18x10 =  
 塔底 18.5x9.5 =  
 塔底 10x18 =  
 14

- NOTE:  
 1. ROOF MATERIAL TO BE GALVANIZED CORRUGATED STEEL SHEET ROOFING. SEE STRUCTURAL DRAWING FOR SUPPORTING SYSTEM.  
 2. SEE PLUMBING DRAWING FOR ELEVATED WATER TANK DETAIL.

PROPERTY LINE 42.451

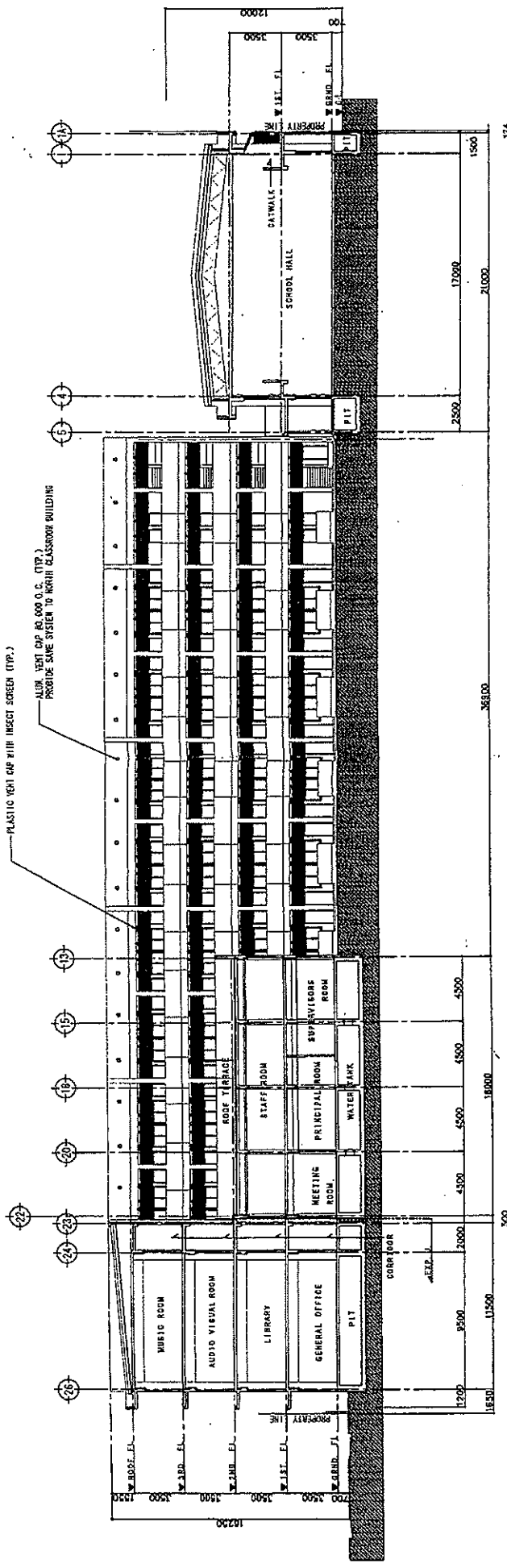
PROPERTY LINE 42.451

PROPERTY LINE 79.583

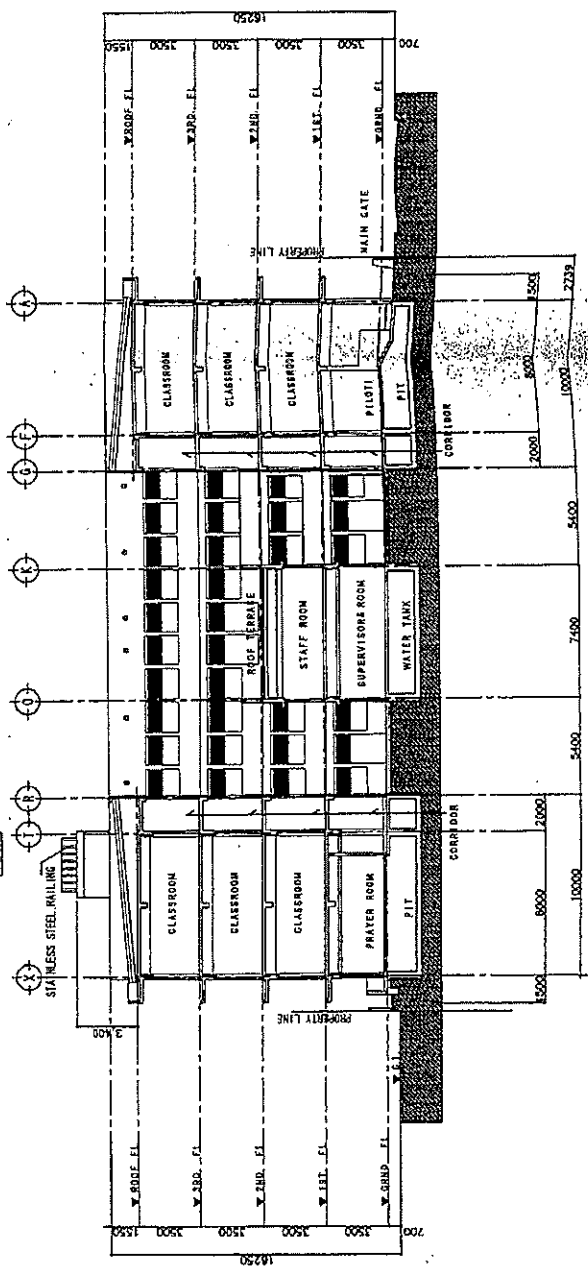
PROPERTY LINE 7.924

PROPERTY LINE 10.65

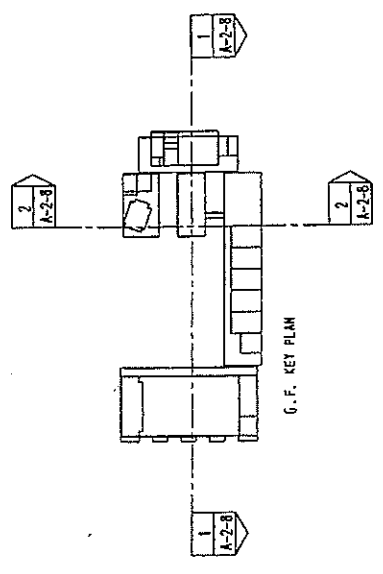
PROPERTY LINE 34.837



SECTION A



SECTION B

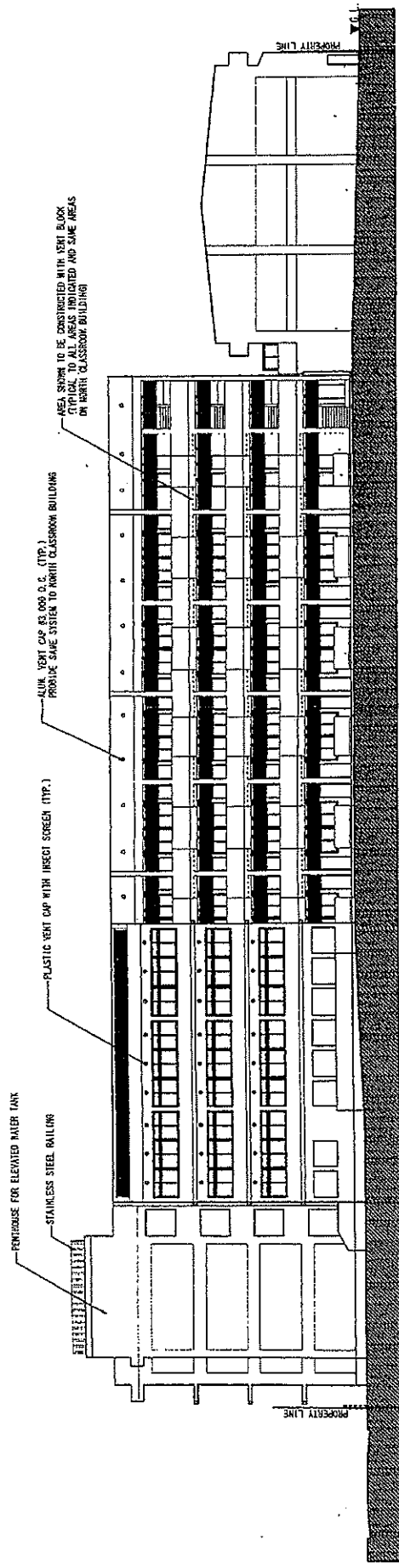


G. F. KEY PLAN

KTN-53

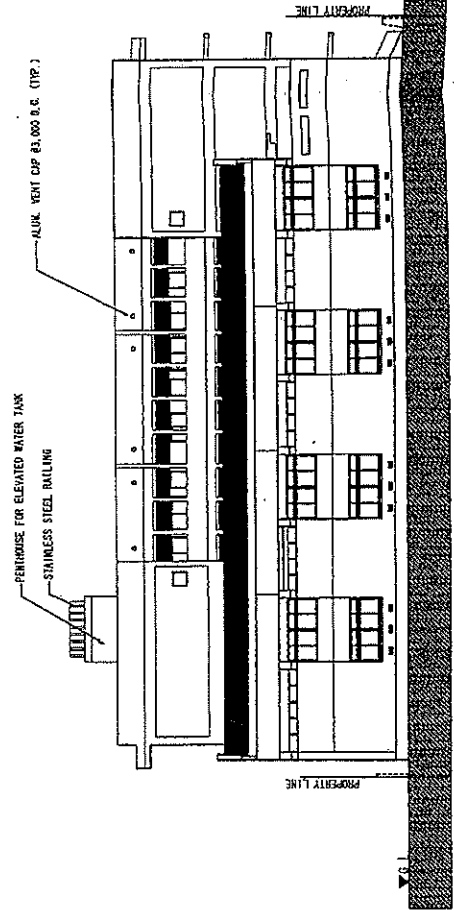
8 KTN-53

66



NORTH ELEVATION

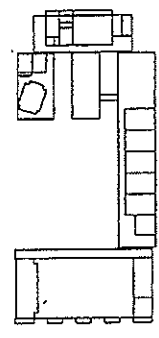
1  
A-2-6



WEST ELEVATION

2  
A-2-6

1  
A-2-6



G. F. KEY PLAN

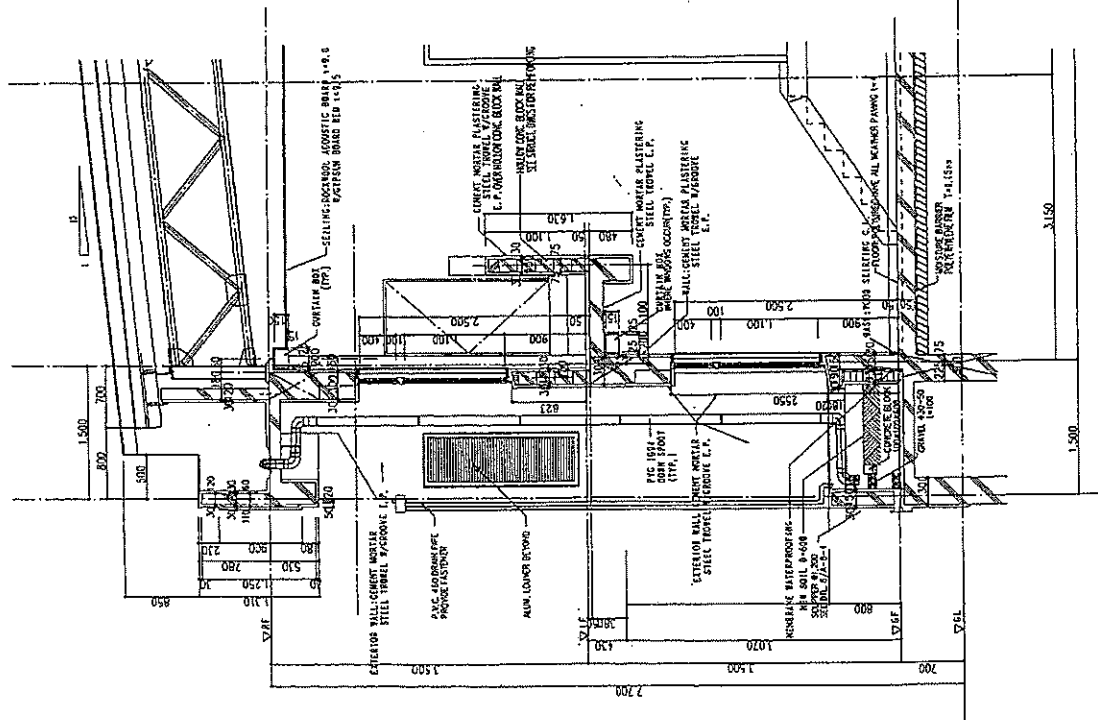
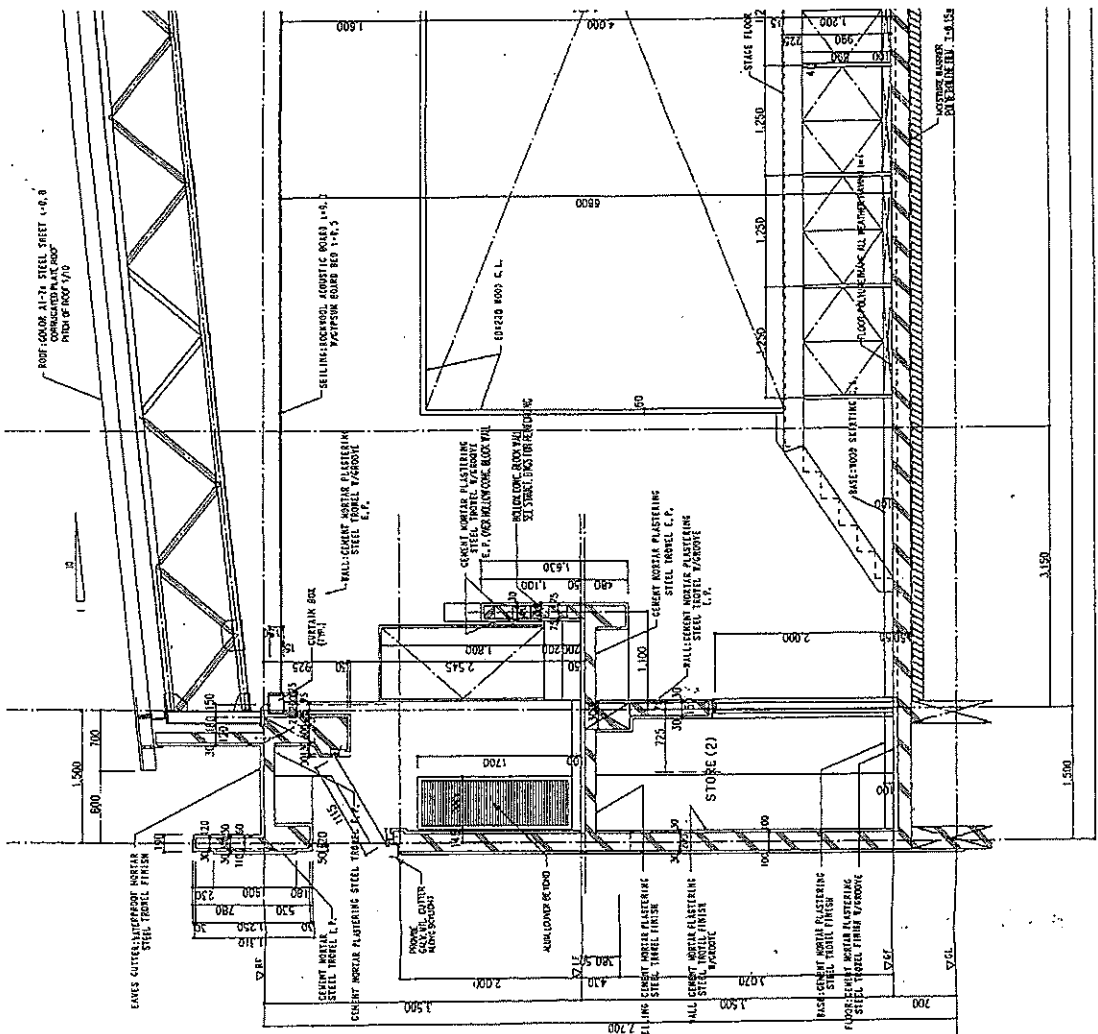
2  
A-2-6

8

KTN-54

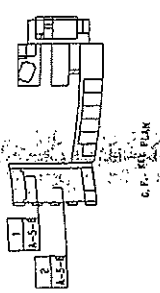
KTN-54





SCHOOL HALL BUILDING  
DETAIL SECTION  
1  
A-5-4

SCHOOL HALL BUILDING  
DETAIL SECTION  
2  
A-5-4

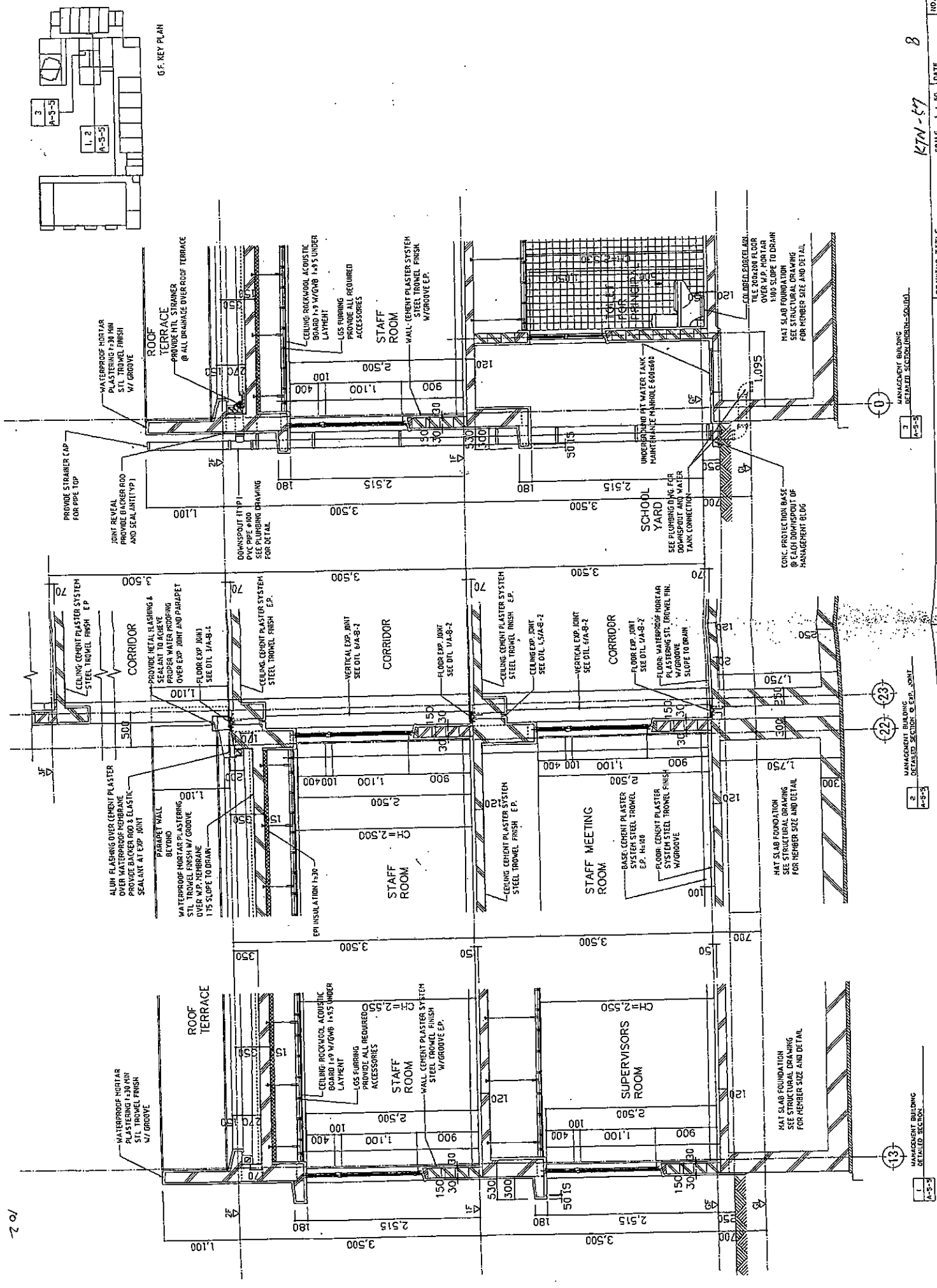


8  
KTN-55

KTN-55

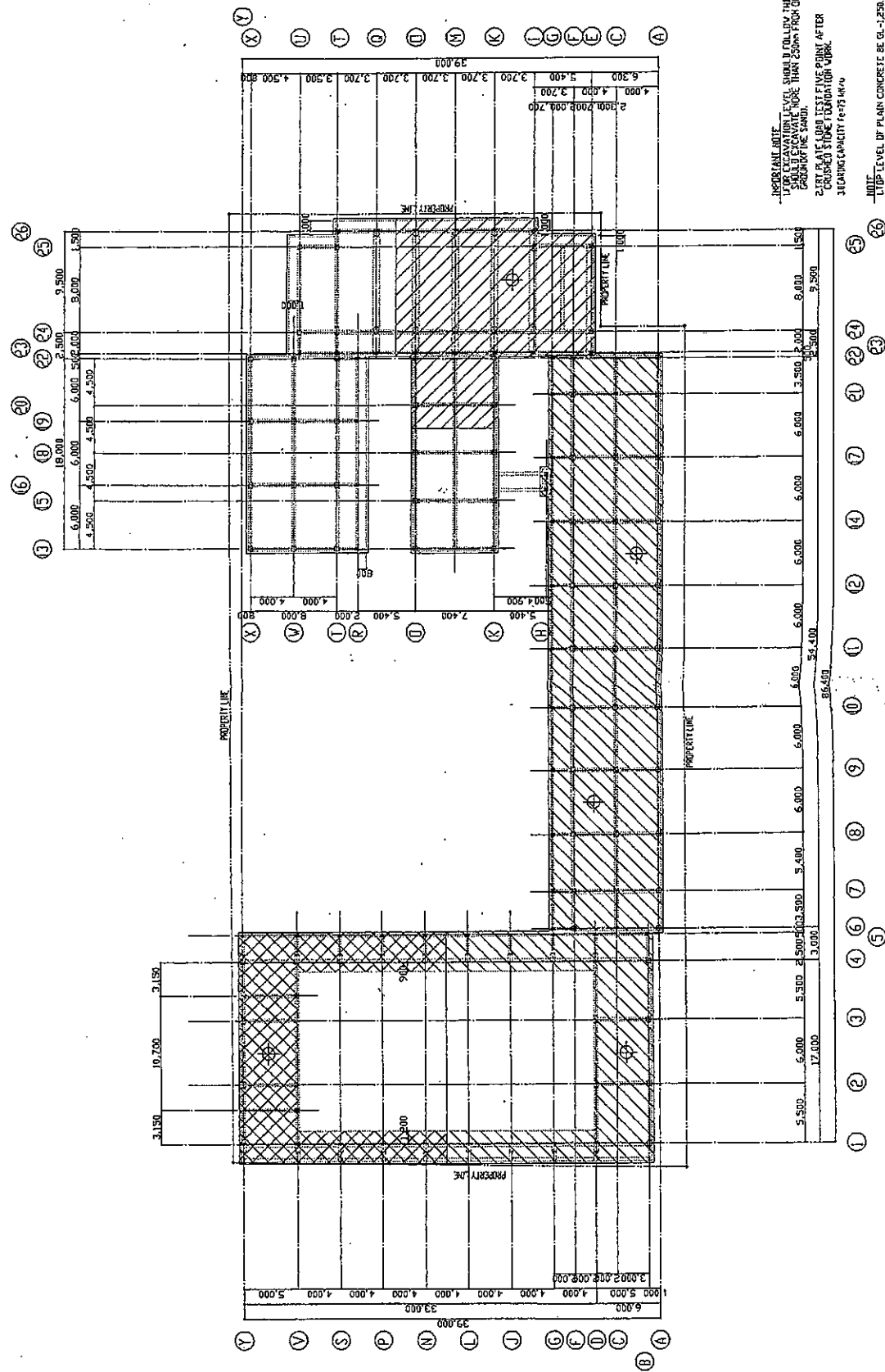






**KTN-57**

101



IMPORTANT NOTE:  
 1. FOR EXCAVATION LEVEL SHOWN IN FOLLOW THIS DRAWING LEVEL, AND SHALL EXCAVATE MORE THAN 250mm FROM ORIGINAL GRADE OF THE SAND.  
 2. TEST PLATE LOAD TEST FIVE POINTS AFTER CRUSHED STONE FOUNDATION WORK.  
 3. BEARING CAPACITY PER 1M<sup>2</sup>

NOTE:  
 1. TOP LEVEL OF PLAIN CONCRETE BE CL-1.250.

LEGEND:  
 EXCAVATION BOTTOM LEVEL.  
 CRUSHED STONE UNDER FOUNDATION  
 PLATE LOAD TEST POINT

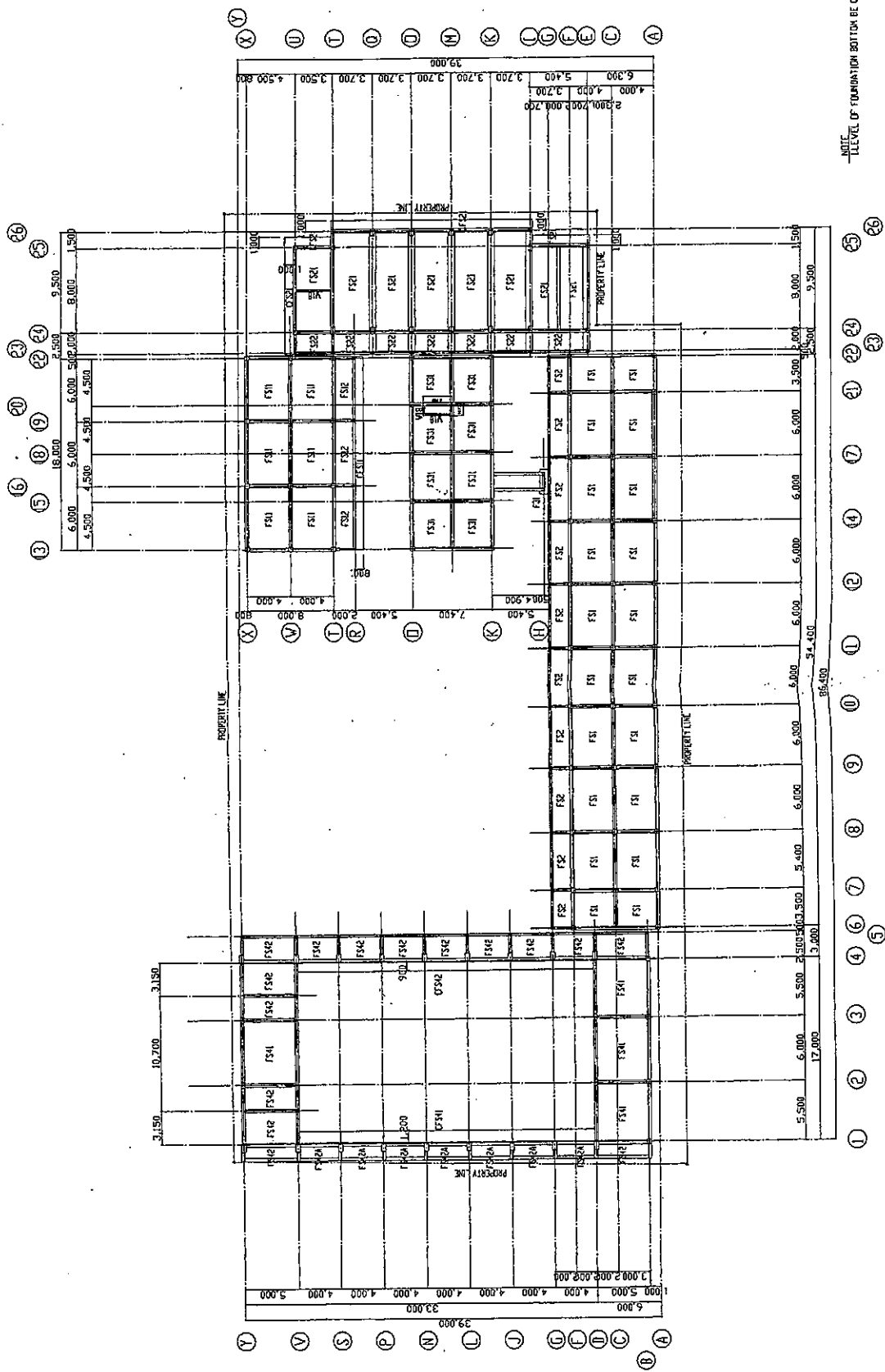
CRUSHED STONE FOUNDATION WORK  
 UNDER FOUNDATION PLAN



KTN-58

	MEHRI ARCHITECT & ASSOCIATES, INC. 2-13 PRESHAD, CHANDIGARH, INDIA		AS BUILT DRAWING		PROJECT NAME THE PROJECT FOR RECONSTRUCTION OF THE HINDI PRIMARY SCHOOL IN W.A.E. IN THE WARD OF RAJIND		DRAWING TITLE CRUSHED STONE FOUNDATION WORK UNDER FOUNDATION PLAN		SCALE 1:200	NO. S-4
	DATE 12/01/2011	DAY MON	MONTH DEC	YEAR 2011	KTN-58	DATE 12/01/2011	DAY MON	MONTH DEC	YEAR 2011	NO. S-4

202



147N-59

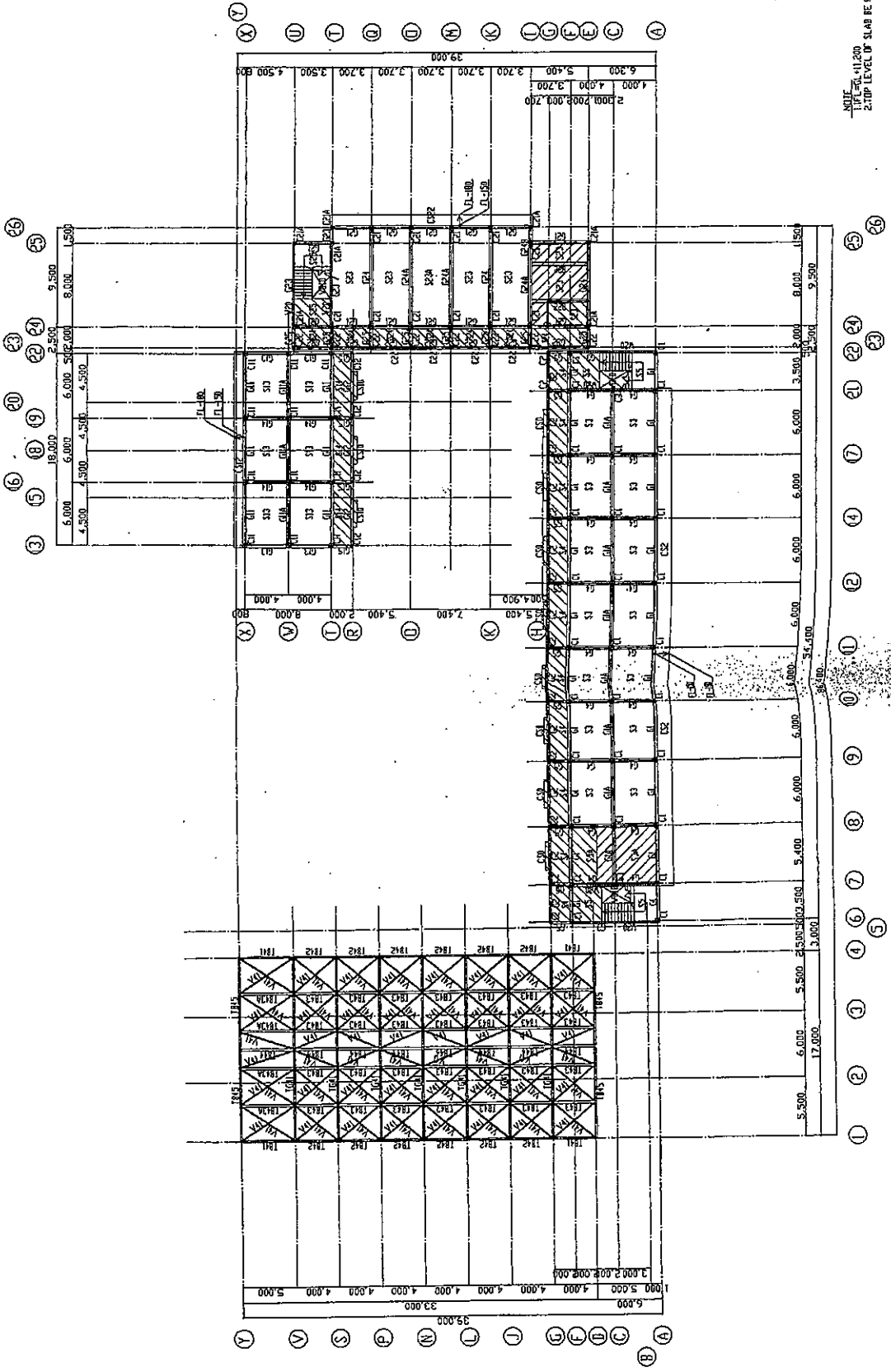
FOUNDATION PLAN

NOTE: LEVEL OF FOUNDATION BOTTOM BE CL-1.25A

147N-59

<p><b>MOHRI ARCHITECT &amp; ASSOCIATES, INC.</b> 2411 HICKORY DRIVE, SUITE 401, TORONTO, ONTARIO, CANADA</p>	<p>PROJECT NAME: PROJECT FOR RECONSTRUCTION OF THE THIRD FLOOR OF THE BAYVIEW HOTEL IN BAYVIEW, ONTARIO</p>		<p>SCALE: 1/200</p>	<p>DATE: _____</p>	<p>NO: S-5</p>
	<p>NO. _____</p>	<p>AS BUILT DRAWING</p>	<p>DRAWING TITLE: FOUNDATION PLAN</p>	<p>DATE: _____</p>	<p>BY: _____</p>

for



KTN-60

DATE: 11.20.20  
 TIME: 11.20.20  
 2. TOP LEVEL OF SLAB RE FL-50

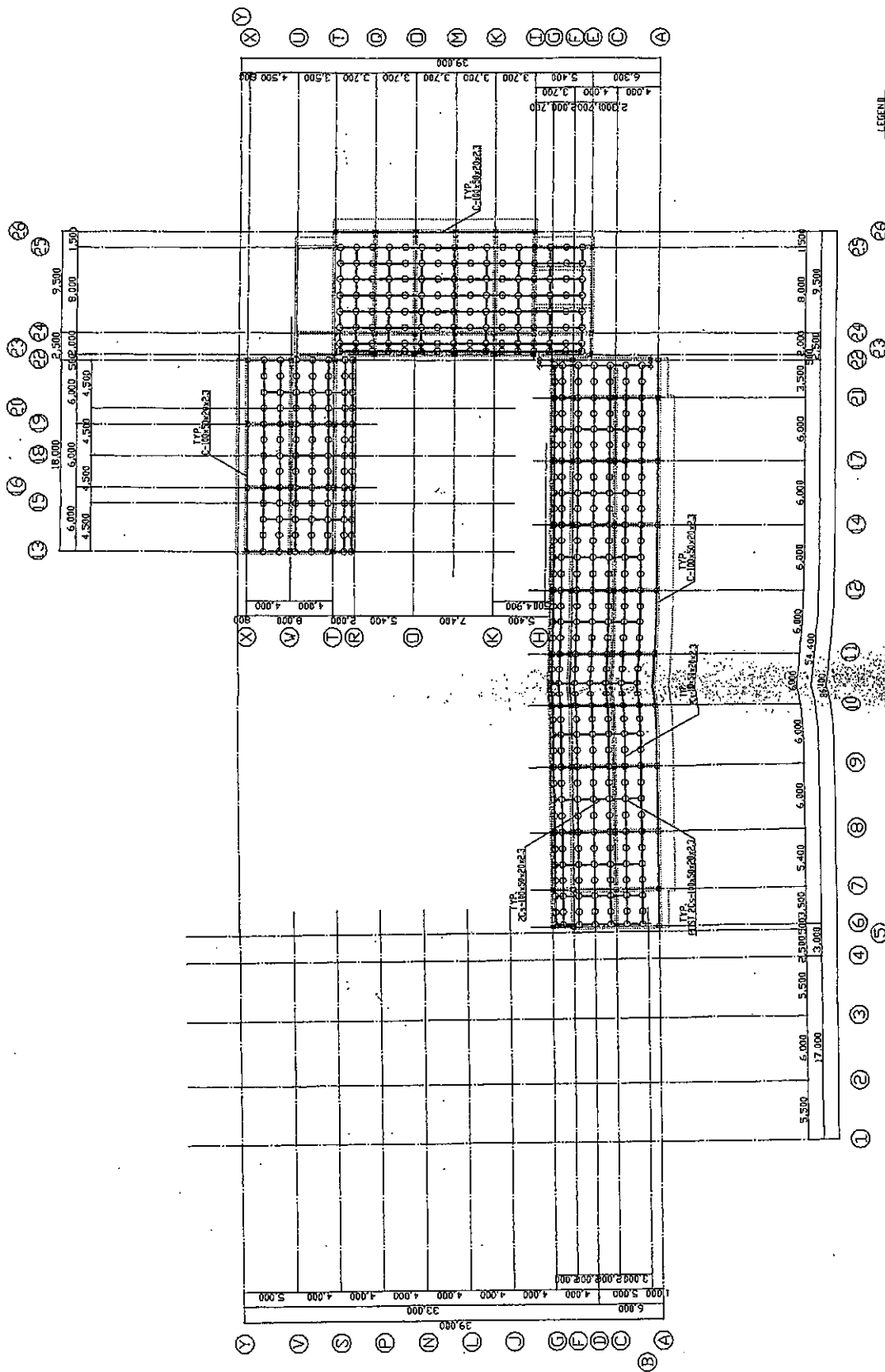
LESS: CONCRETE COLUMN AND WALL  
 SLAB LEVEL  
 FL-50  
 FL-70  
 FL-100

KTN-60

8

 <b>MOHR ARCHITECT &amp; ASSOCIATES, INC.</b> 2-4-13 WESL. OAK-VAL. DRIVE, WAHM	PROJECT NAME THE PROJECT FOR RECONSTRUCTION OF THE THIRD PRIMARY SCHOOL IN WALK IN WASHINGTON COUNTY, MISSOURI		DRAWING TITLE THIRD FLOOR PLAN	SCALE 1/8" = 1'-0"	DATE 11.20.20	NO. S-9
	PRODUCT NAME THE PROJECT FOR RECONSTRUCTION OF THE THIRD PRIMARY SCHOOL IN WALK IN WASHINGTON COUNTY, MISSOURI		DRAWING TITLE THIRD FLOOR PLAN	SCALE 1/8" = 1'-0"	DATE 11.20.20	NO. S-9

901



KTN-61

ROOF BACK STEEL PLAN 1/200

LEGEND  
 0 POST 25x100x50x20x2.3

8

KTN-61

DRAWING TITLE  
ROOF BACK STEEL PLAN

SCALE 1/200

DATE  
Day Year Cby

NO.  
S-11

PROJECT NAME  
THE PROJECT FOR RECONSTRUCTION  
OF THE THIRD PRIMARY SCHOOL IN MALE  
PATE-ORACLEP MAJONG

INC.

AS BUILT DRAWING

MOHRI ARCHITECT & ASSOCIATES, INC.  
2-4-13 NISHI, CHUO-KU, TOKYO, JAPAN

601

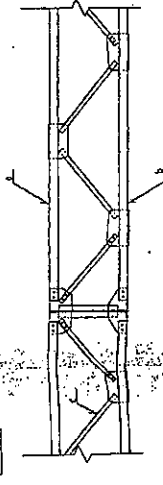
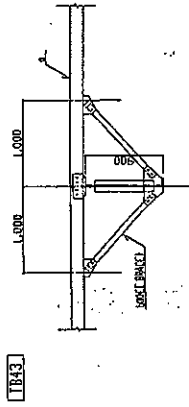
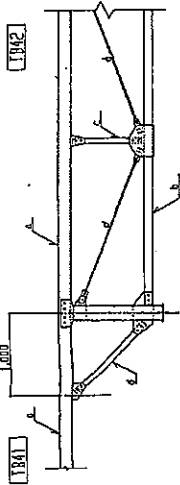
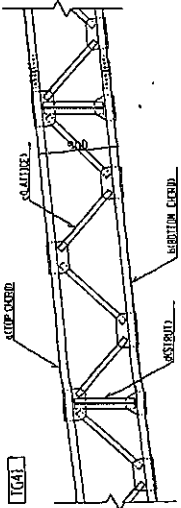
MEMBER SCHEDULE - STRUCTURAL STEEL TO BE USED SHALL BE STANDARD UNFINISHED SPECIFIED

MEMBER NUMBER	REMARKS	QTY	REMARKS
SC41	10" x 10" x 1/2" PL		
SC42	10" x 10" x 1/2" PL		

MEMBER NUMBER	FLANGE WIDTH	FLANGE THICKNESS	WEB THICKNESS	DEPTH	WEIGHT PER FOOT	REMARKS
1041	10.000	0.500	0.375	10.000	23.80	SEE DETAIL 1
1042	10.000	0.500	0.375	10.000	23.80	SEE DETAIL 2
1043	10.000	0.500	0.375	10.000	23.80	SEE DETAIL 3
1044	10.000	0.500	0.375	10.000	23.80	SEE DETAIL 4

NOTE: ALL LIGHT GAUGE STEEL CHANNELS SHALL BE PROFILES WITH PROPOSED PLATE

MEMBER NUMBER	SECTION	SECTION	SECTION	SECTION
1041	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL
1042	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL
1043	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL
1044	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL	10" x 10" x 1/2" PL



KTN-62

MUHR ARCHITECT & ASSOCIATES, INC.  
1410 WESLEY CHURCH, JENKINS, VA

AS BUILT DRAWING

PROJECT NAME  
THE PROJECT FOR RECONSTRUCTION  
OF THE THIRD PRIMARY SCHOOL IN HALL  
IN THE COUNTY OF WASHINGTON

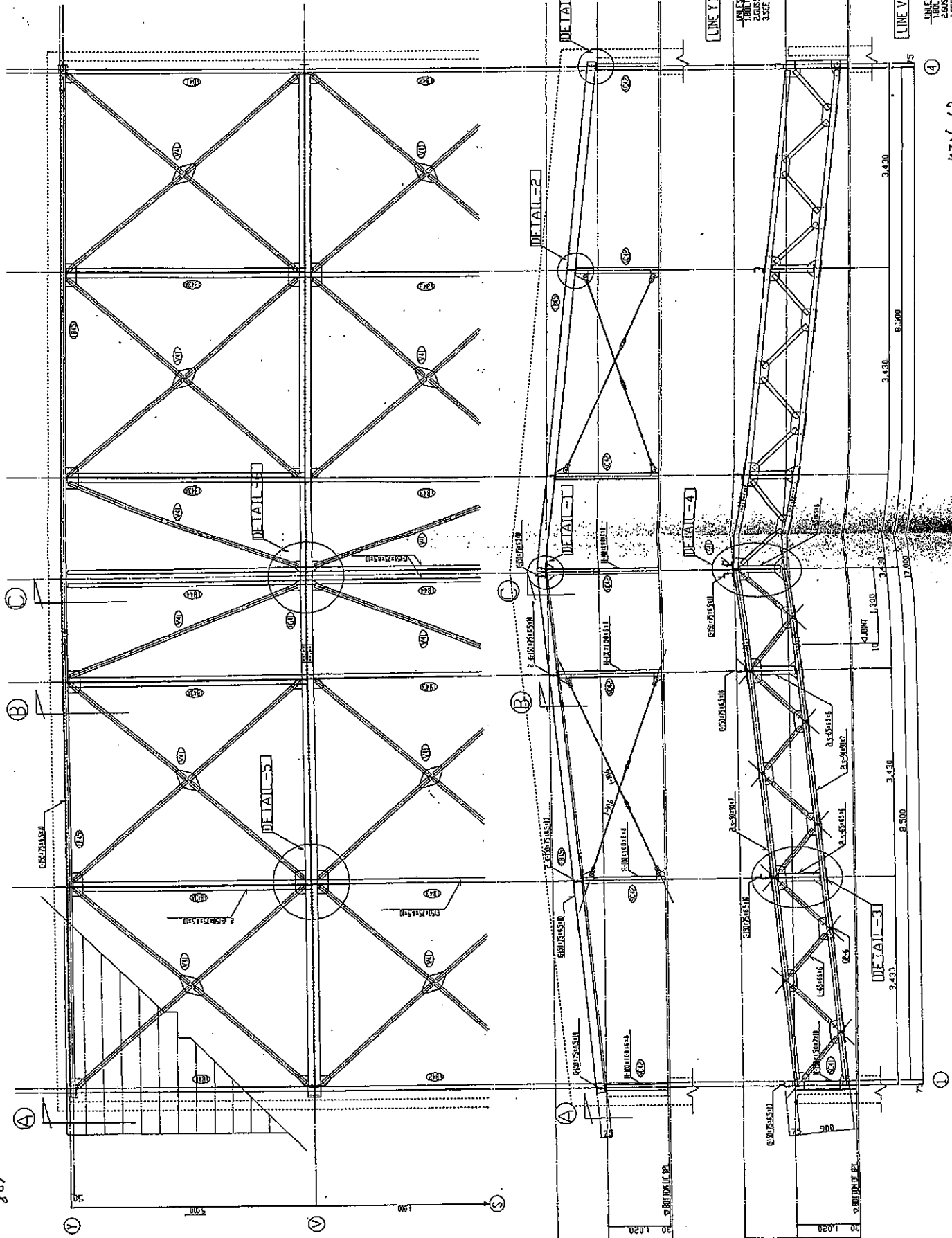
DRAWING TITLE  
STEEL ROOF MEMBER SCHEDULE  
GENERAL NOTES

KTN-62

DATE  
By  
Cv  
NO.  
S-32

8

801



LINE Y DETAIL OF ROOF TRUSS 100

UNLESS OTHERWISE SPECIFIED  
 ALL WELDS SHALL BE FULL PENETRATION BUTT.  
 GUSSET PLATE SHALL BE 6mm THICK.  
 SEE S-034 FOR DETAIL.

LINE V DETAIL OF ROOF TRUSS 110

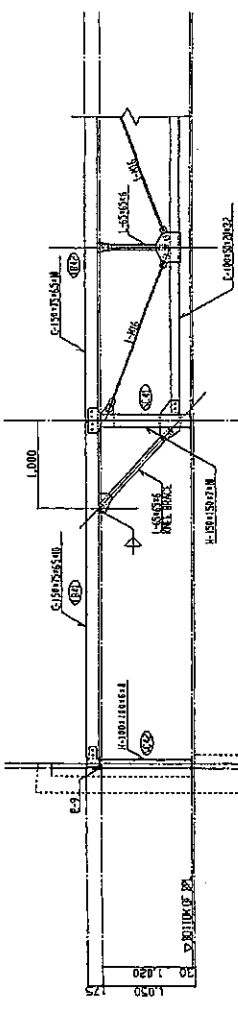
UNLESS OTHERWISE SPECIFIED  
 ALL WELDS SHALL BE FULL PENETRATION BUTT.  
 GUSSET PLATE SHALL BE 6mm THICK.  
 SEE S-034 FOR DETAIL.

8

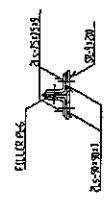
<p><b>M</b> MOHRI ARCHITECT &amp; ASSOCIATES, INC.          2-4-D HESS, CHD-HQ, DMV, JMW</p>	PROJECT NAME	NO.	DATE	BY	CHK
	<p>AS BUILT DRAWING</p>				
<p>DRAWING TITLE</p>	<p>KTN-63</p>	<p>SCALE</p>	<p>1/8" = 1'-0"</p>	<p>DATE</p>	<p>1997</p>
<p>PROJECT NO.</p>	<p>AS BUILT TRUSS DETAIL-1</p>	<p>NO.</p>	<p>110</p>	<p>DATE</p>	<p>1997</p>
<p>PROJECT NAME</p>	<p>STEEL ROOF TRUSS DETAIL-1</p>	<p>NO.</p>	<p>110</p>	<p>DATE</p>	<p>1997</p>
<p>PROJECT NAME</p>	<p>STEEL ROOF TRUSS DETAIL-1</p>	<p>NO.</p>	<p>110</p>	<p>DATE</p>	<p>1997</p>

KTN-63

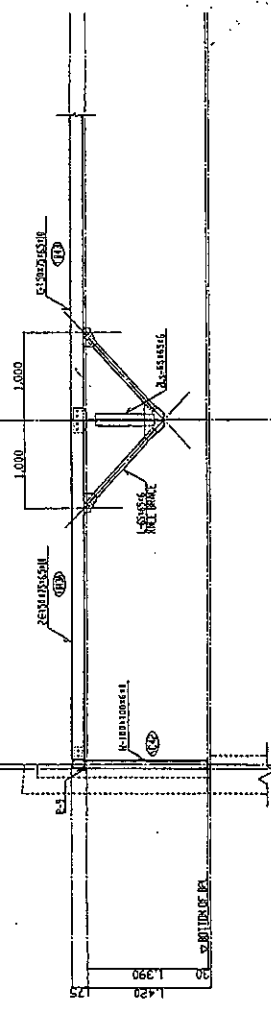
601



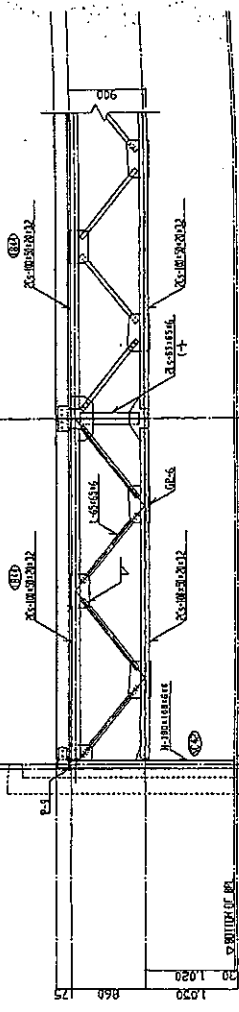
SECTION 101



SECTION 102



SECTION 103



SECTION 104

KTN-64

B

KTN-64

MOHRI ARCHITECT & ASSOCIATES, INC. 241 WEST CHASE BL, DALLAS, TEXAS	AS BUILT DRAWING		DRAWING TITLE STEEL TRUSS DETAIL-2 (GENERAL VIEW)	SCALE 1/8" = 1'-0"	DATE By: [Signature] Eby: [Signature]	NO. S-34
	PROJECT NAME PROJECT FOR CONSTRUCTION OF THE HIGHWAY VIADUCT IN WASHINGTON, D.C.					



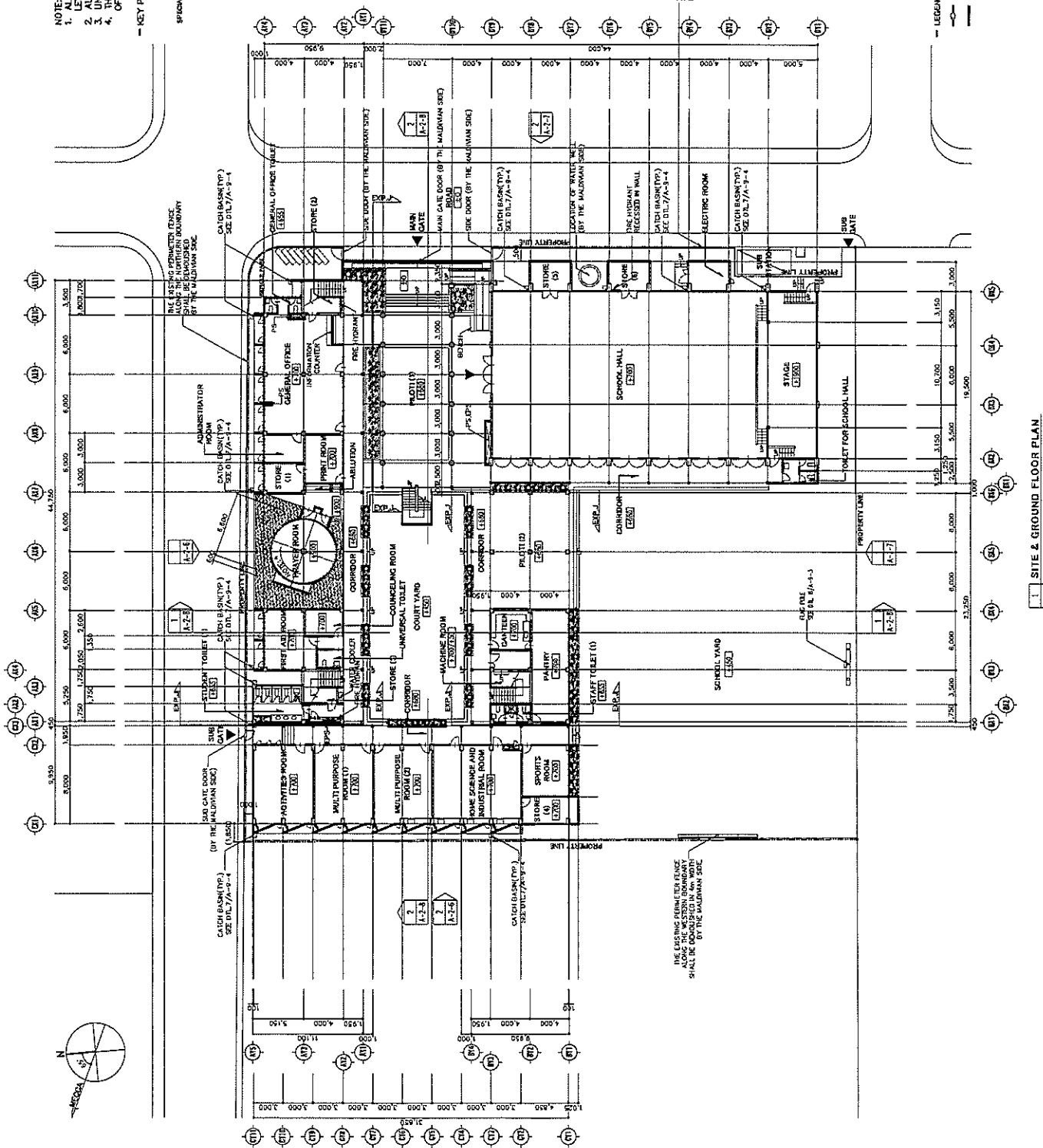
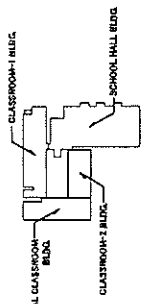
No. 9.

New Secondary School for Girls

AS-Build DWG

- NOTE: FLOOR LEVELS INDICATED ARE TAKEN FROM GROUND LEVEL SET AS F.O.
1. ALL FLOOR LEVELS INDICATE AVERAGE FLOOR LEVEL.
  2. UNIVERSAL ACCESS RAMP TO BE 1:10 IN SLOPE OR CENTERLINE OF HECK.
  3. THE ANGLE OF PRAYER ROOM TO BE ADJUSTED TO DIRECTION OF MECCA.

KEY PLAN



LEGEND  
 - CONCRETE  
 - CONCRETE BLOCK

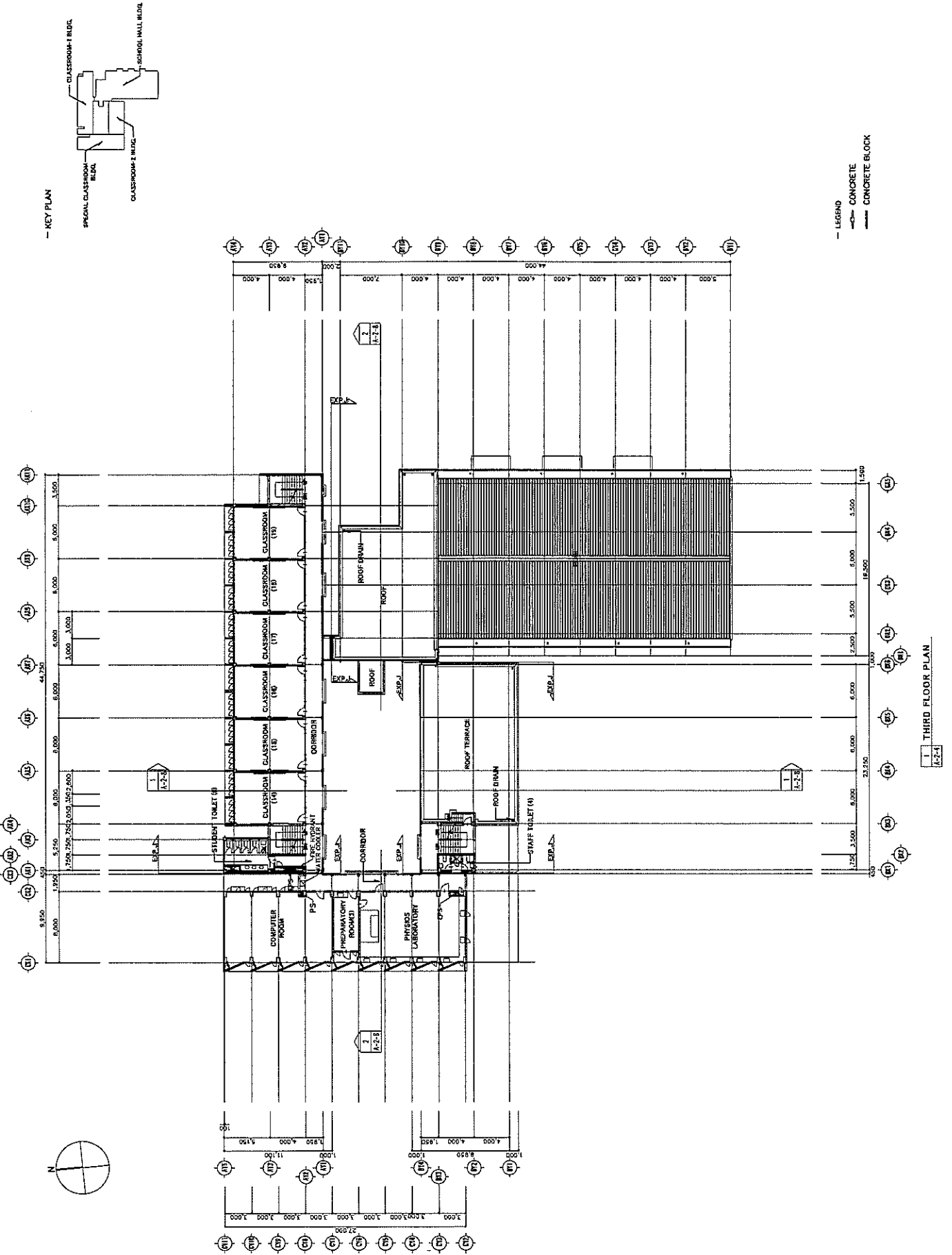
1 SITE & GROUND FLOOR PLAN  
 A-2-1

<b>MOHRI ARCHITECT &amp; ASSOCIATES, INC.</b> 11/11/2024 11/11/2024 11/11/2024	PROJECT NAME <b>THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES</b>	SCALE AS: 1:400 1:500	DRAWING TITLE <b>SITE AND GROUND FLOOR PLAN</b>	DRAWING NO. A-2-1
	CHECKED BY [Signature]	DATE 08.02.07	APPROVED BY [Signature]	NO.
	THE EXISTING PERIMETER FENCE ALONG THE WESTERN BOUNDARY SHALL BE DEMOLISHED BY THE MAINTENANCE SECTION.			

K7N-66

112

KTN-67



1. THIRD FLOOR PLAN

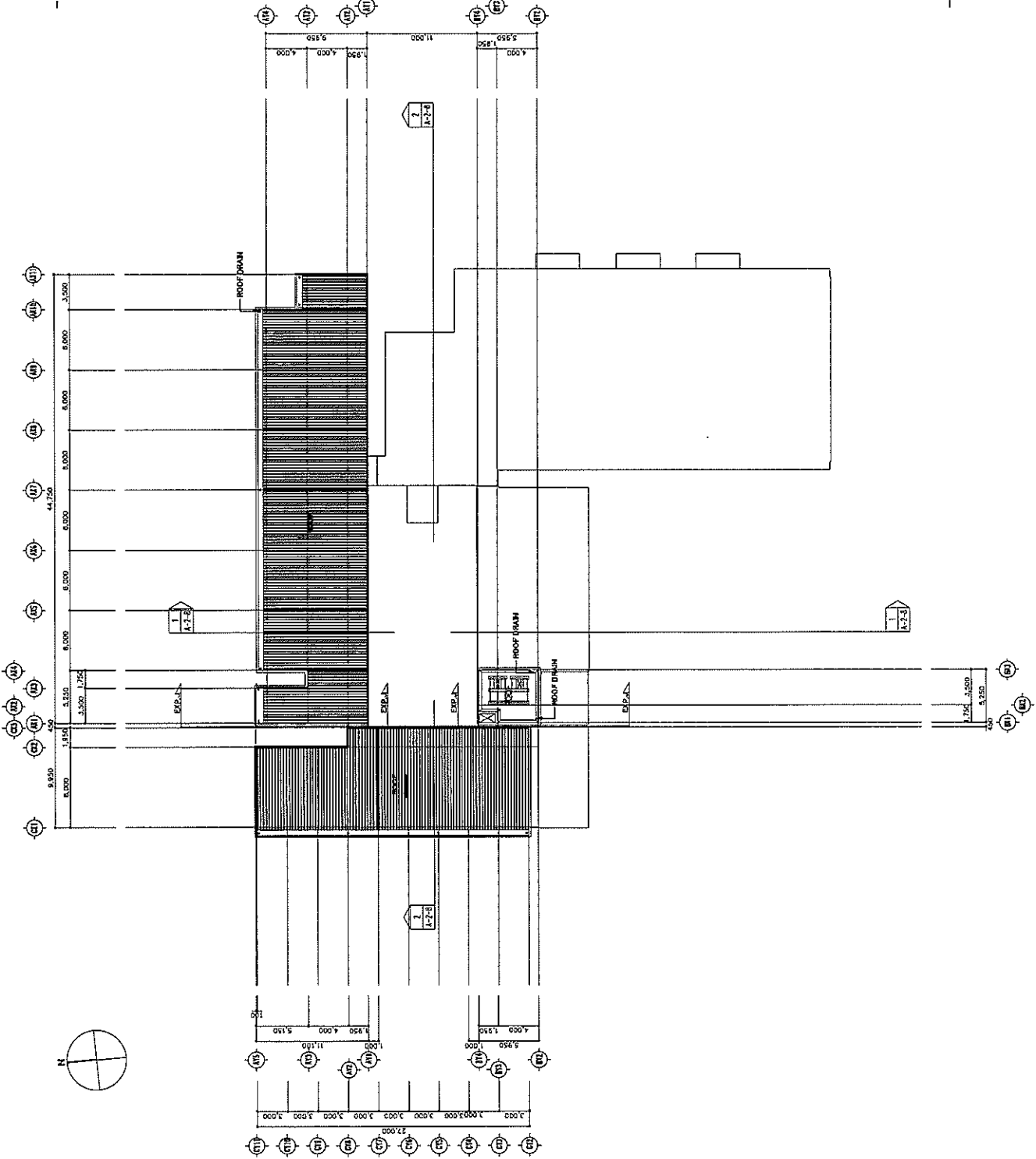
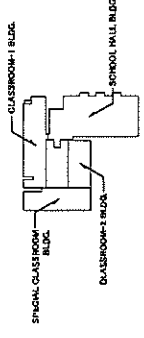
KEY PLAN

LEGEND  
CONCRETE  
CONCRETE BLOCK

<b>MOHRI, ARCHITECT &amp; ASSOCIATES, INC.</b> <small>MOHRI ARCHITECT &amp; ASSOCIATES, INC.        112, 88-88-88        MOHRI ARCHITECT &amp; ASSOCIATES, INC.        MOHRI ARCHITECT &amp; ASSOCIATES, INC.</small>	PROJECT NAME	THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES		
	BRAWING TITLE	THIRD GROUND FLOOR PLAN		
SCALE	1:200	DATE	08.02.07	NO.
DATE	08.02.07	DATE	08.02.07	NO.
NO.	A-2-4	NO.	08.02.07	NO.
NO.	A-2-4	NO.	08.02.07	NO.

113

KEY PLAN



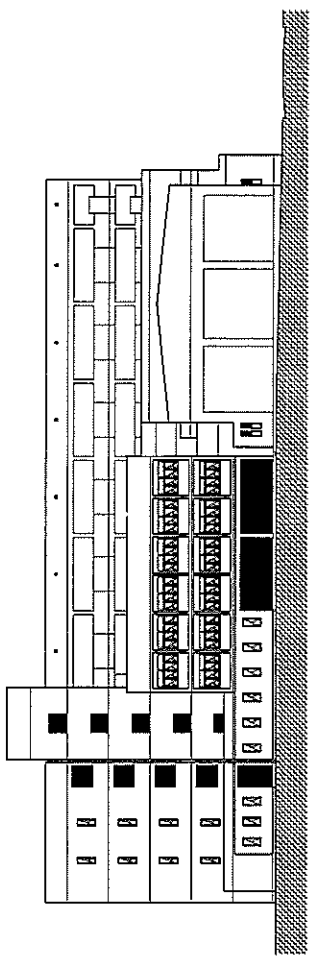
- LEGEND
- CONCRETE
  - CONCRETE BLOCK

1 ROOF FLOOR PLAN

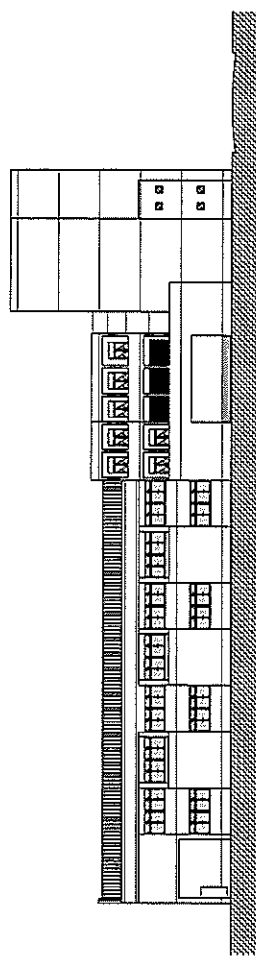
<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. 11A, 11B, 11C, 11D, 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z 11/11/11	PROJECT NAME	THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES		
	DRAWING TITLE	SCALE	DATE	NO.
	ROOF FLOOR PLAN	1:200 A1: 1:400	08.02.07	A-2-6
DESIGNED BY	CHECKED BY	APPROVED BY		

KTN-68

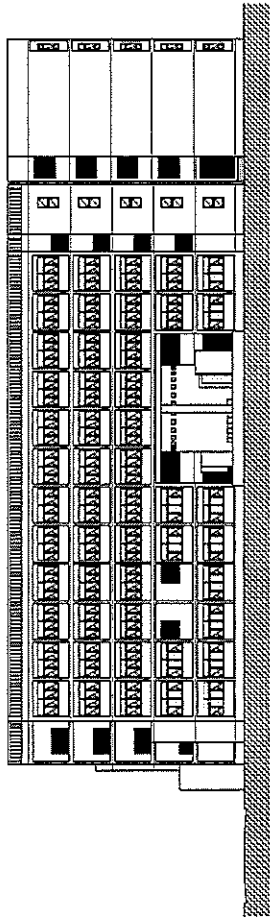
04/11



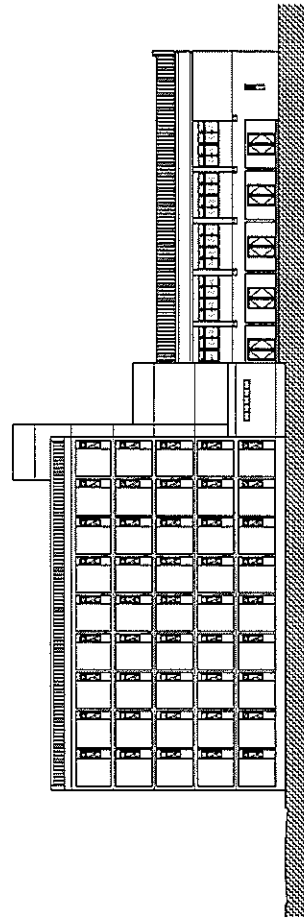
1 SOUTH ELEVATION  
A-2-7



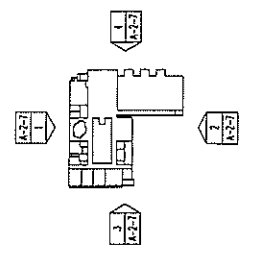
1 EAST ELEVATION  
A-2-7



1 NORTH ELEVATION  
A-2-7

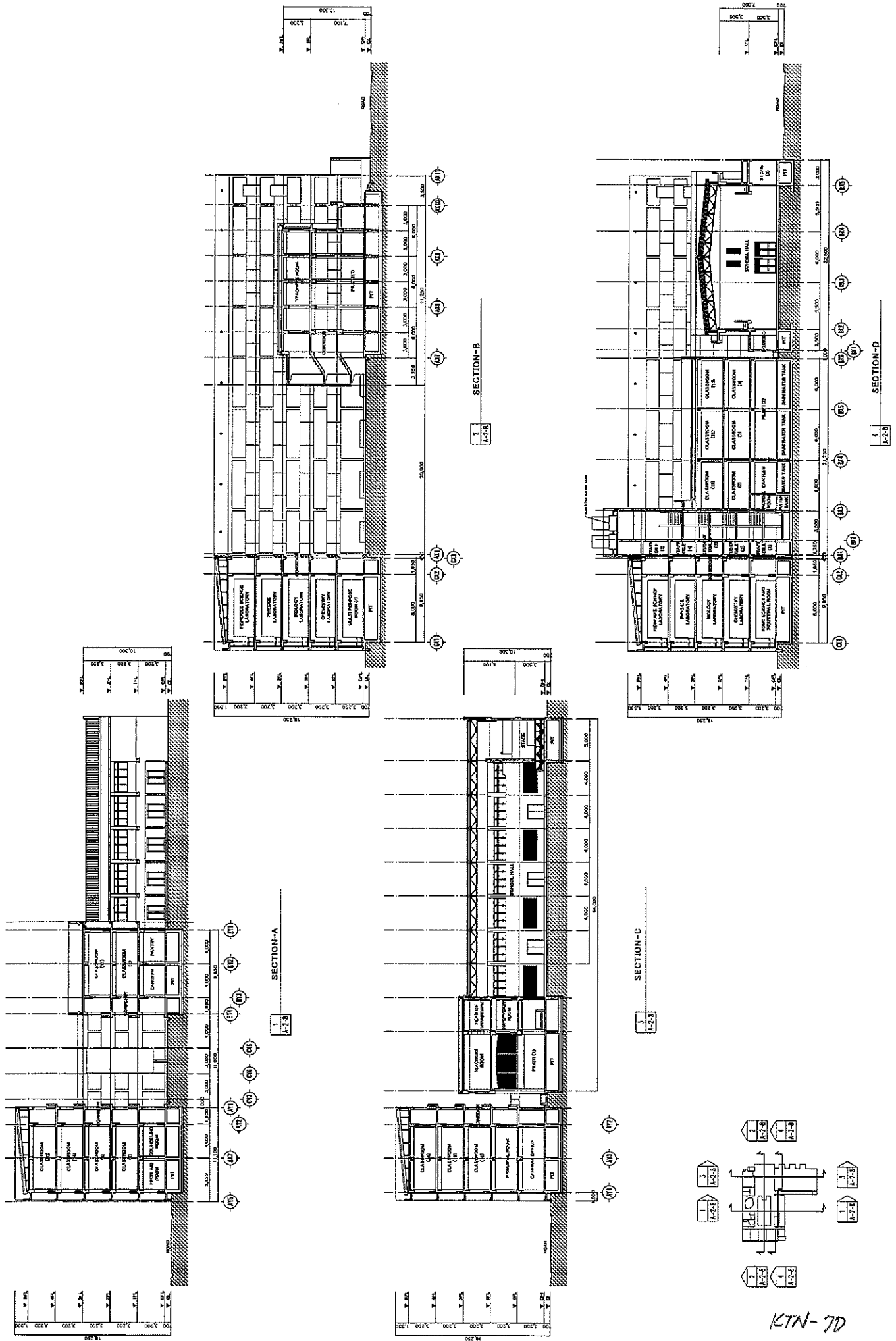


3 WEST ELEVATION  
A-2-7



KTN-69

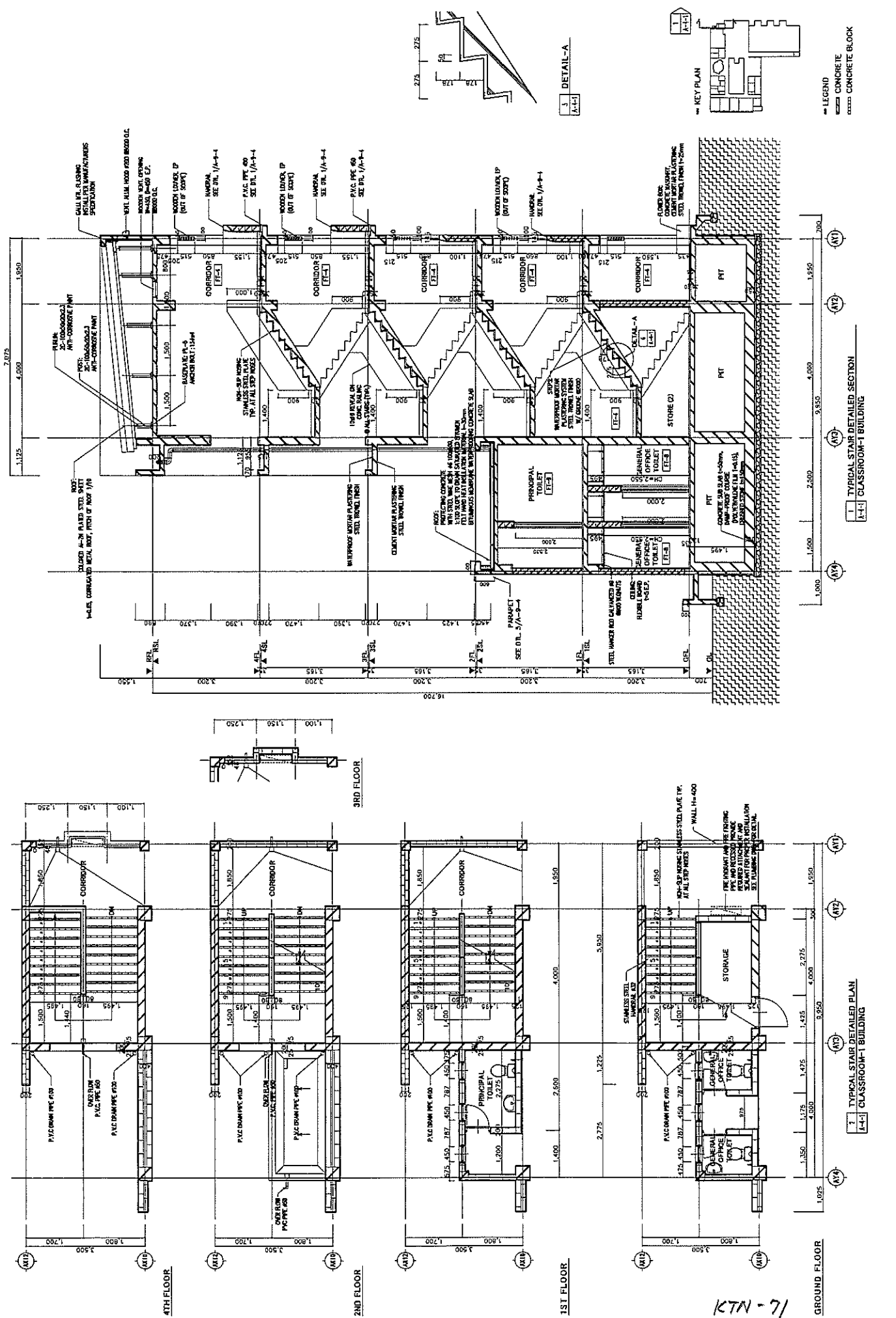
<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 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	PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES	SCALE 1:200 AS 1:400	DRAWING TITLE ELEVATIONS	DRAWN BY CHECKED BY APPROVED BY	H.F. DATE 08.02.07 NO. A-2-7
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<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. 100, SOUTH BEACH, MIAMI BEACH, FL 33139 TEL: 305-442-1111 FAX: 305-442-1112	PROJECT NAME	THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES		
	SCALE	1:200	DRAWING TITLE	SECTIONS
DATE	08.02.07	NO.	A-2-8	
DRAWN BY	CHERNEY	APPROVED BY		

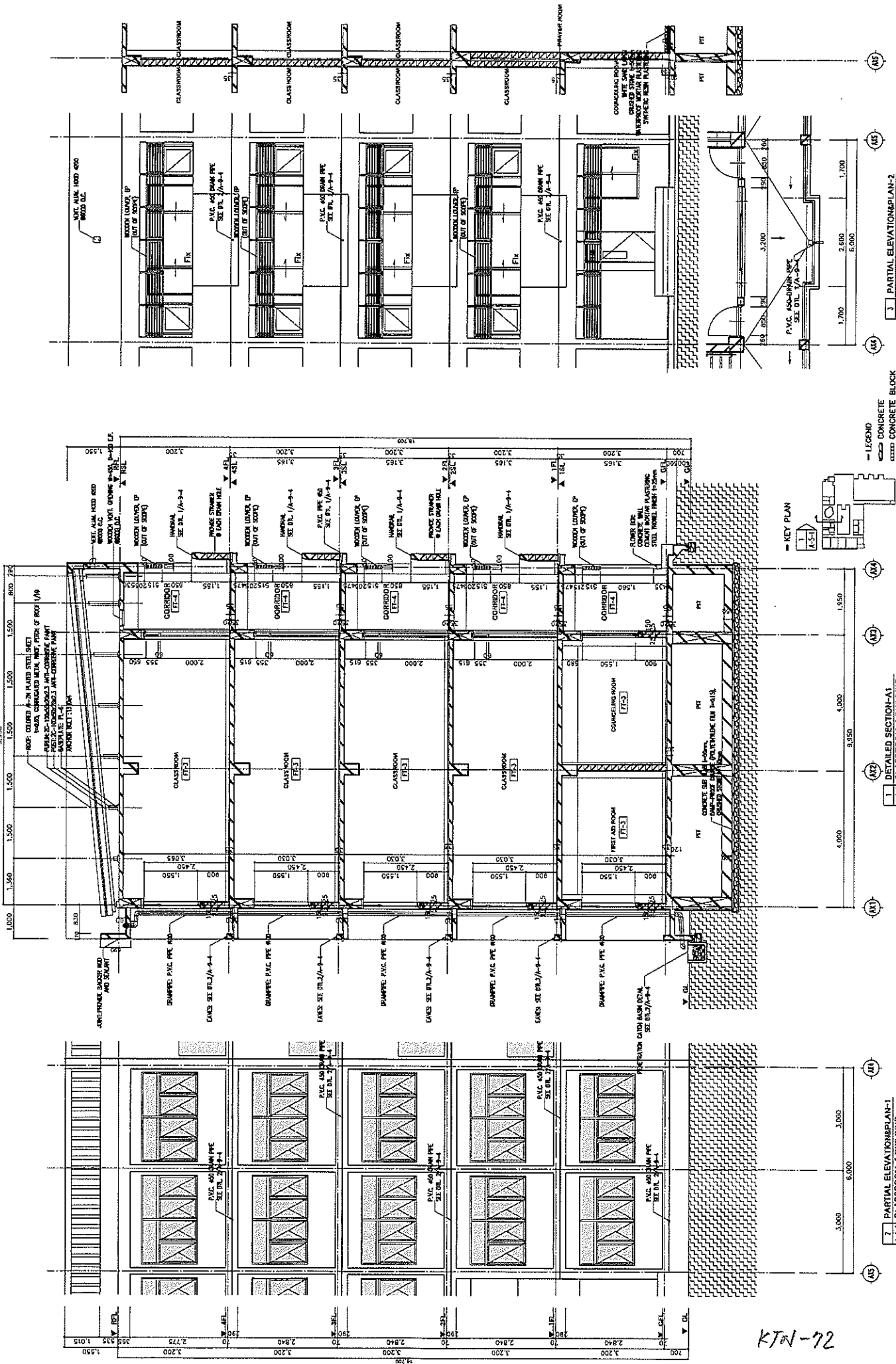
KTN-7D

911



<b>MOHRI, ARCHITECT &amp; ASSOCIATES, INC.</b> 200/1000, 10th Floor, 20th Street, Colombo 03, Sri Lanka. P.O. Box 122, Colombo 03, Sri Lanka. Tel: +94 (0) 11 523 1111, Fax: +94 (0) 11 523 1112, Email: mohri@moa.lk	PROJECT NAME	THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES	
	PROJECT NO.	A-4-1	
SCALE	1:100	DRAWING TITLE	CLASSROOM-1 BUILDING
SCALE	1:100	DRAWING TITLE	TYPICAL STAIR DETAILED SECTION
SCALE	1:100	DRAWING TITLE	CLASSROOM-1 BUILDING
SCALE	1:100	DRAWING TITLE	TYPICAL STAIR DETAILED SECTION
DATE	08.02.07	DRAWN BY	H.F. Jil
NO.	A-4-1	CHECKED BY	[Signature]
		APPROVED BY	[Signature]

111

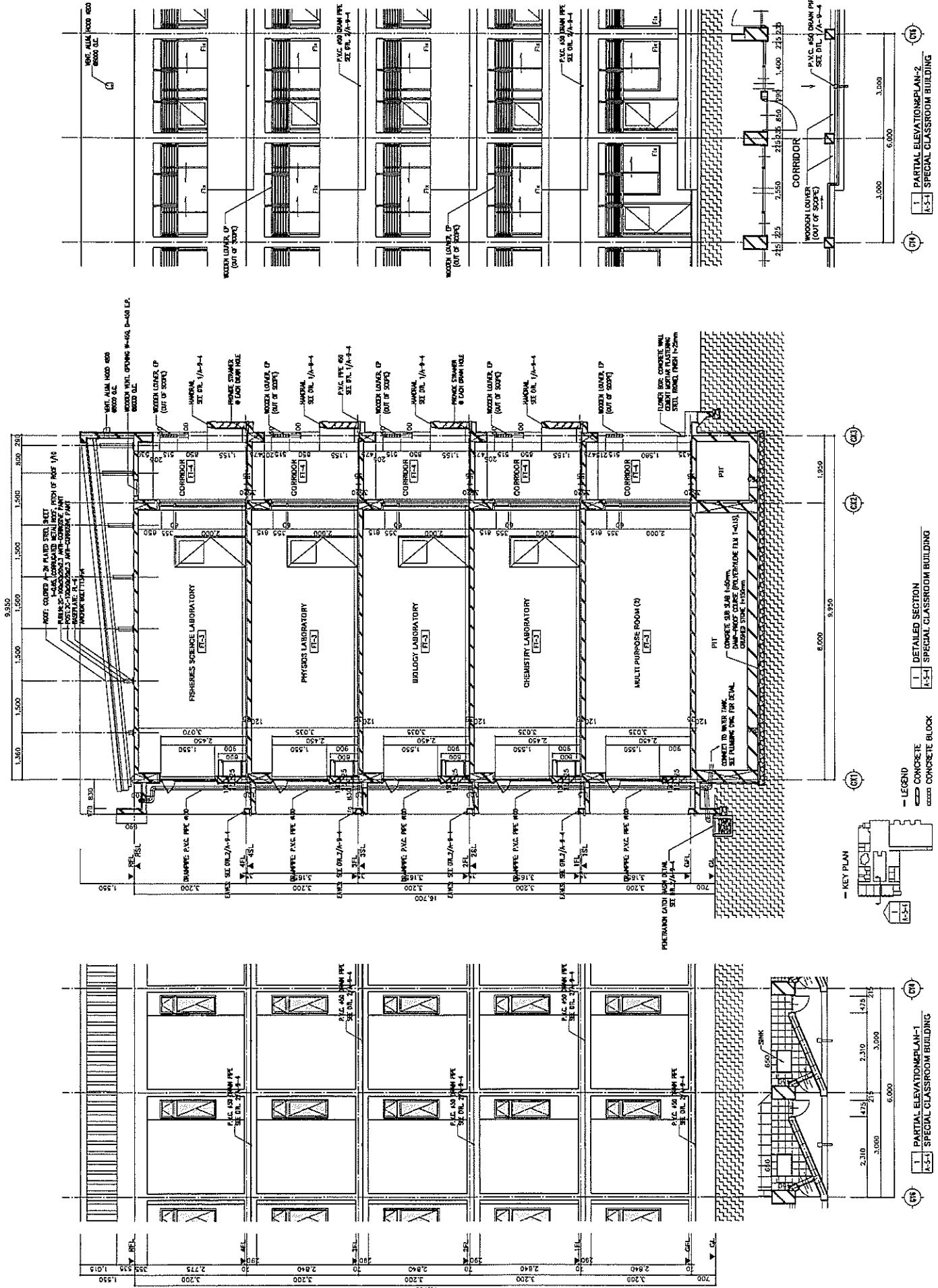


<b>MOHRI, ARCHITECT &amp; ASSOCIATES, INC.</b> ARCHITECTS 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 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	PROJECT NAME <b>THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES</b>	DRAWING TITLE <b>CLASSROOM-1 BUILDING DETAILED SECTION</b>	SCALE A1: 1:100 A2: 1:100	DRAWING NO. <b>A-5-1</b>	
	DRAWN BY <b>H.F. JILANI</b>	CHECKED BY <b>[Signature]</b>	DATE <b>08.02.07</b>	APPROVED BY <b>[Signature]</b>	

KTA-72

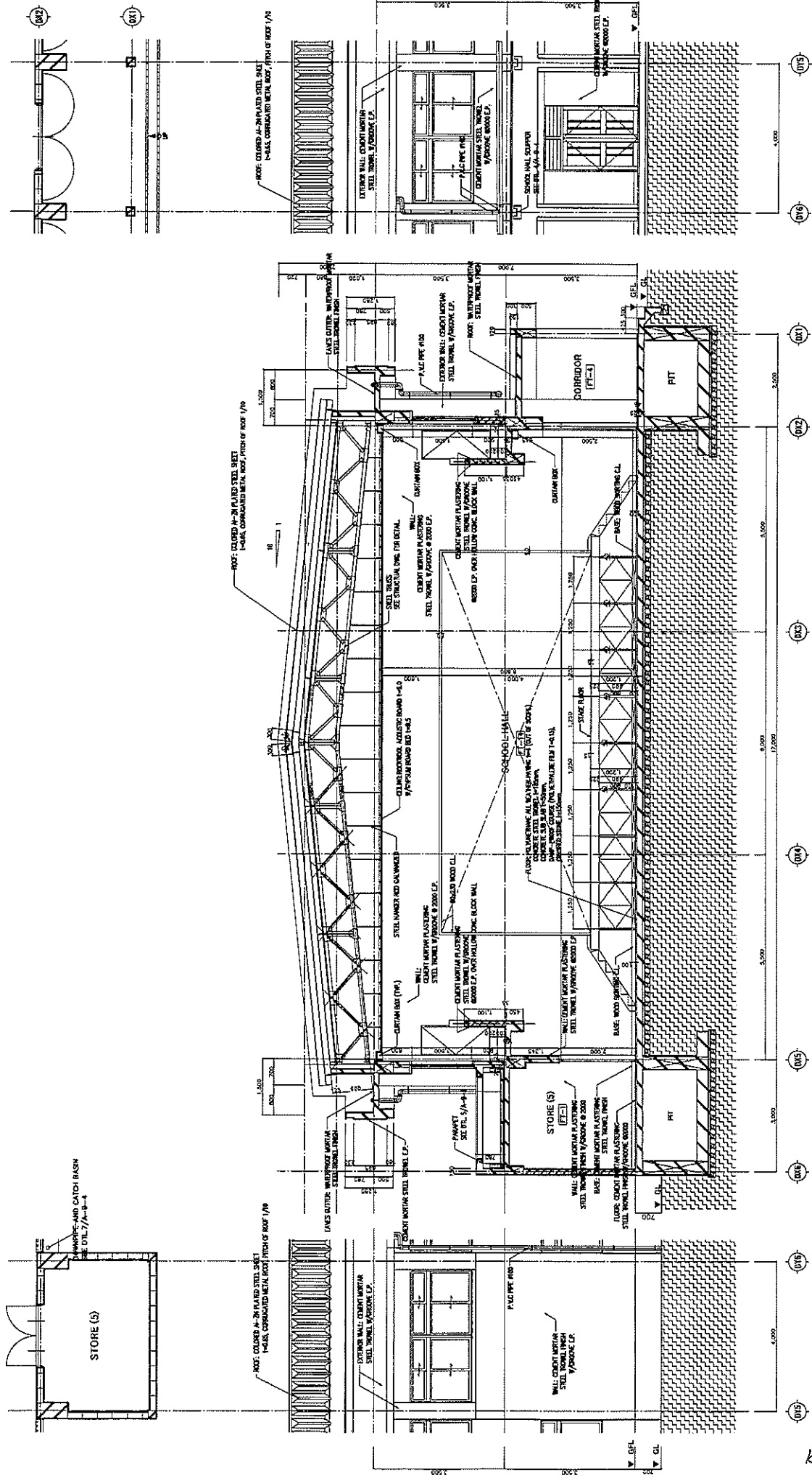


11



<b>MOHRI, ARCHITECT &amp; ASSOCIATES, INC.</b> 10th Floor, 100, Market Street, Maldives Tel: 994 232 2222, Fax: 994 232 2223, Email: mohri@moa.mv	<b>PROJECT NAME</b> THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES	<b>DRAWING TITLE</b> SPECIAL CLASSROOM BUILDING DETAILED SECTION	<b>NO.</b> A-5-4
	<b>SCALE</b> 1:100	<b>DATE</b> 08.02.07	<b>DATE</b> 08.02.07
	<b>DESIGNED BY</b> MOHRI	<b>CHECKED BY</b> MOHRI	<b>APPROVED BY</b> MOHRI

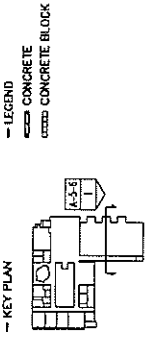
KTN-73



2 PARTIAL ELEVATION PLAN-1  
1-5-5 SCHOOL HALL BUILDING

1 DETAILED SECTION-2  
1-5-5 SCHOOL HALL BUILDING

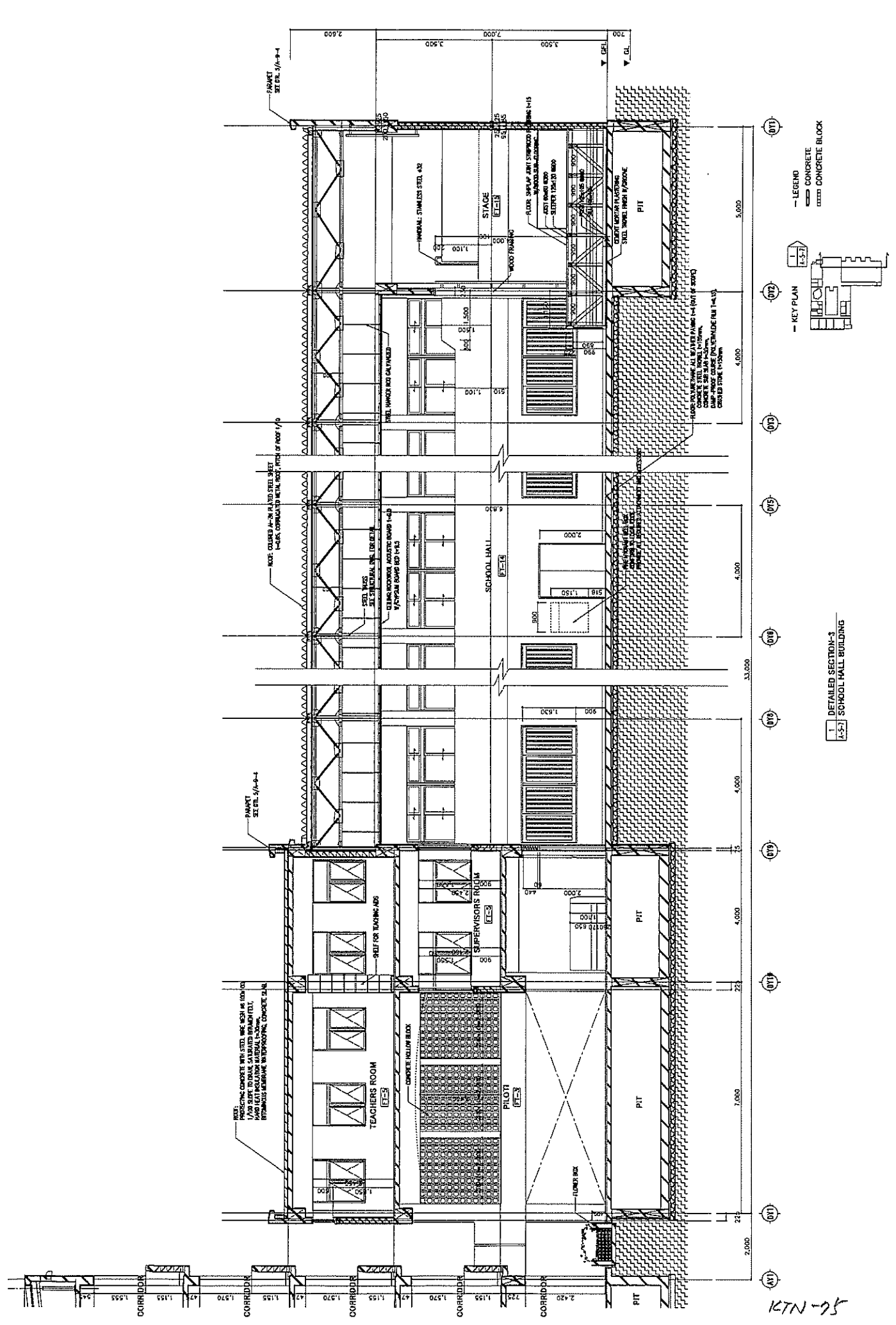
3 PARTIAL ELEVATION PLAN-2  
1-5-5 SCHOOL HALL BUILDING



	PROJECT NAME <b>THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES</b>	DRAWING TITLE <b>SCHOOL HALL BUILDING DETAILED SECTION-2</b>	DRAWN BY H.F.J.H.	DATE 09.02.07	NO. A-5-6
	MOHRI ARCHITECT & ASSOCIATES, INC. 11/11, SOUTH BAY, MALDIVES TEL: 961 233 2222 FAX: 961 233 2222	SCALE A3: 1:100	LEGEND — CONCRETE ▨ CONCRETE BLOCK	CHECKED BY H.F.J.H.	APPROVED BY H.F.J.H.

KTN-74

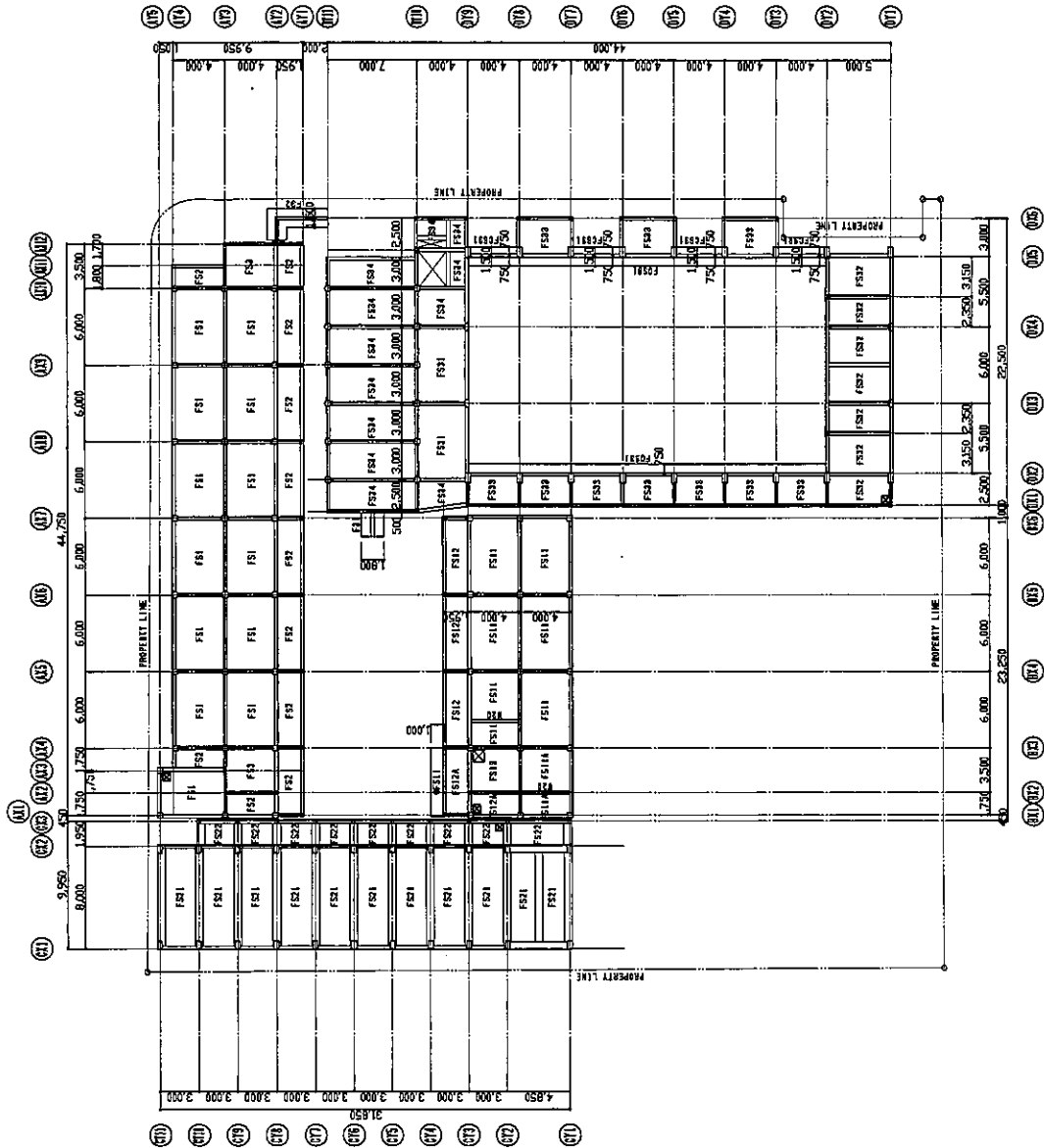
02/



<b>MOHRI, ARCHITECT &amp; ASSOCIATES, INC.</b> 70B, 1ST FLOOR, MOHRI BUILDING, 100/100 STREET, MALDIVIAN BUSINESS CITY, MALDIVES TEL: 9949 9949 FAX: 9949 9949	PROJECT NAME <b>THE PROJECT FOR CONSTRUCTION OF          THE SECOND GIRLS SECONDARY SCHOOL IN MALE          IN THE REPUBLIC OF MALDIVES</b>	DRAWING TITLE <b>SCHOOL HALL BUILDING          DETAILED SECTION-3</b>	DRAWN BY CHECKED BY APPROVED BY	H/Fuji DATE 08.02.07	NO. A-5-7
	SCALE 1:50 1:100	ASSE 1:100	1:100	1:100	1:100

KTN-75

K1



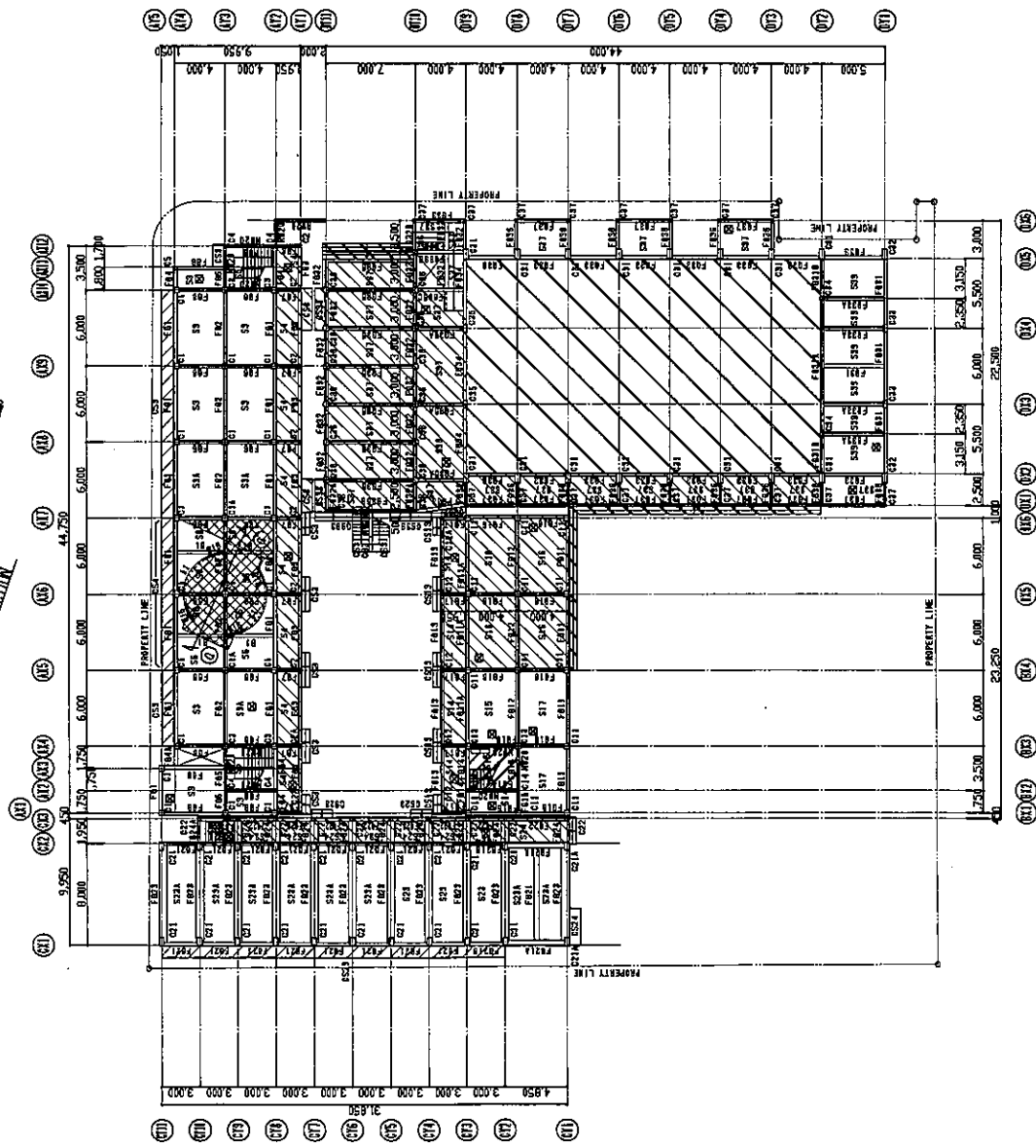
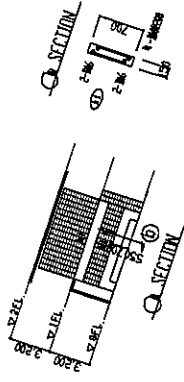
FOUNDATION FLOOR PLAN 1/100

NOTE:  
 1. LEVEL OF FOUNDATION BOTTOM BE RL-1.250.  
 LEGEND:  
 □ SUMPING 0003000450 (007PH)  
 □ SUMPING 5003000450 (007PH)

KTN-76

<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. REGISTERED ARCHITECTS 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	PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES	SCALE 1:1200 DRAWING TITLE FOUNDATION FLOOR PLAN	DRAWN BY CHECKED BY APPROVED BY	DATE NO. S-004
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221



NOTE  
 1. FOUNDATION FL-FL-703  
 2. TOP LEVEL OF FOUNDATION OTHER BE GROUND FL-200.  
 3. TOP LEVEL OF SLAB BE FL-85.

LEGEND  
 [Symbol] CONCRETE COLUMN AND WALL  
 [Symbol] SLAB ON GRADE  
 [Symbol] SLAB LEVEL  
 [Symbol] FL-36  
 [Symbol] FL-35  
 [Symbol] FL-135  
 [Symbol] FL-805  
 [Symbol] FL-185

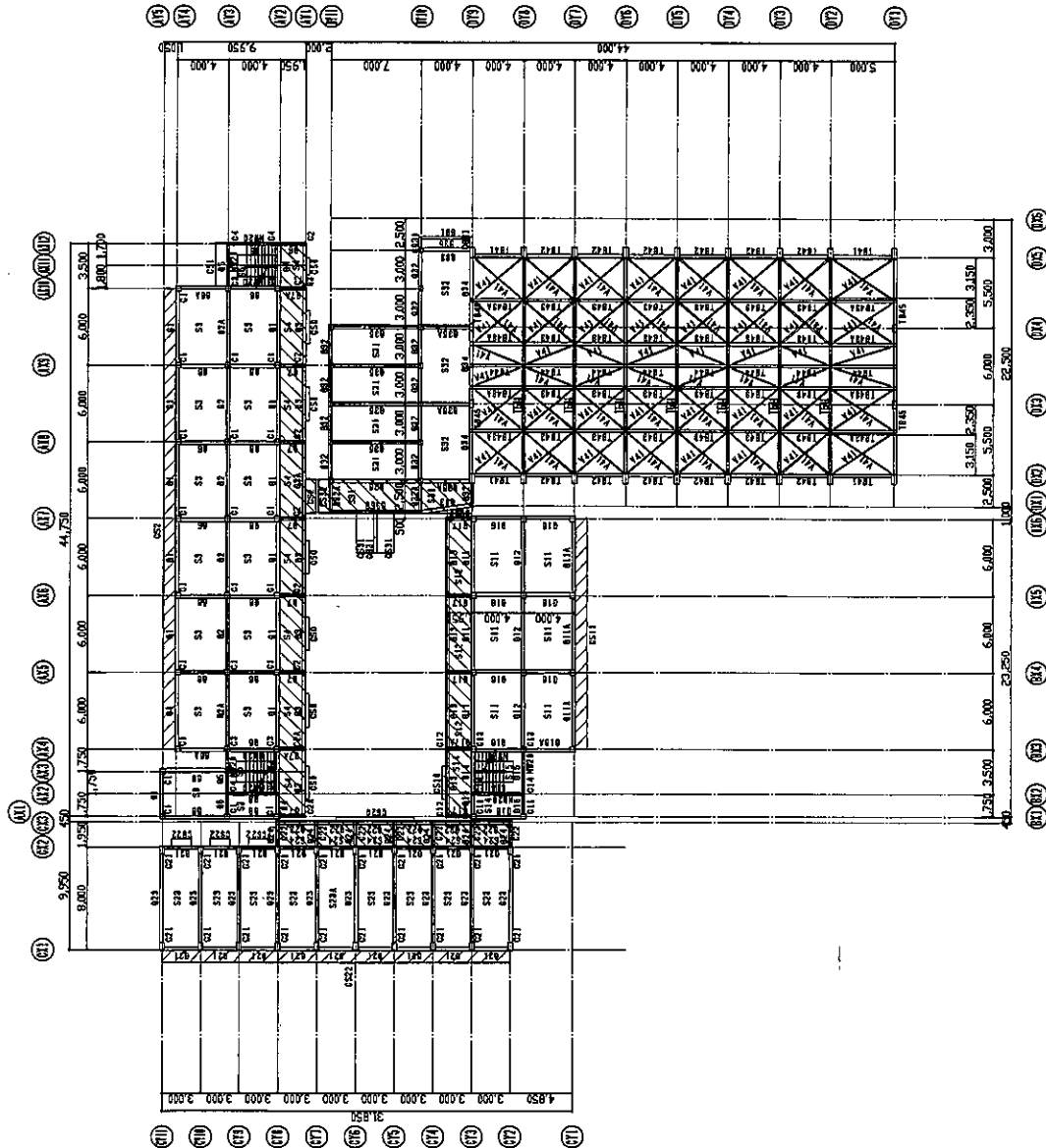
LEGEND  
 [Symbol] INSPECTION HOLE 8051800



KTN-77

GROUND FLOOR PLAN 1/200

<p><b>M</b> MOHRI, ARCHITECT &amp; ASSOCIATES, INC.          MOHRI ARCHITECT &amp; ASSOCIATES, INC.          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</p>	<p>PROJECT NAME          THE PROJECT FOR CONSTRUCTION OF          THE SECOND GIRLS SECONDARY SCHOOL IN MALE,          IN THE REPUBLIC OF MALDIVES</p>	<p>SCALE 1:200</p>	<p>DRAWING TITLE          GROUND FLOOR PLAN</p>	<p>NO.          S-005</p>
	<p>DATE          15/05/2024</p>	<p>CHECKED BY          [Signature]</p>	<p>APPROVED BY          [Signature]</p>	<p>DRAWN BY          [Signature]</p>



LEGEND  
 CONCRETE COLUMN AND WALL  
 SLAB LEVEL  
 FL-05  
 FL-06  
 FL-126

NOTE  
 1. LEVEL +10.000  
 2. TOP LEVEL OF SLAB IS FL-05.

THIRD FLOOR PLAN 1:200

KTN-78

**M** MOHRI, ARCHITECT & ASSOCIATES, INC.  
 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  
 P.O. Box 100, Malé, Maldives  
 TEL: +960-760-1001  
 FAX: +960-760-1002  
 E-MAIL: mohri@moa.mv

PROJECT NAME  
 THE SECOND GIRLS SECONDARY SCHOOL IN MALE  
 IN THE REPUBLIC OF MALDIVES

DRAWING TITLE  
 THIRD FLOOR PLAN

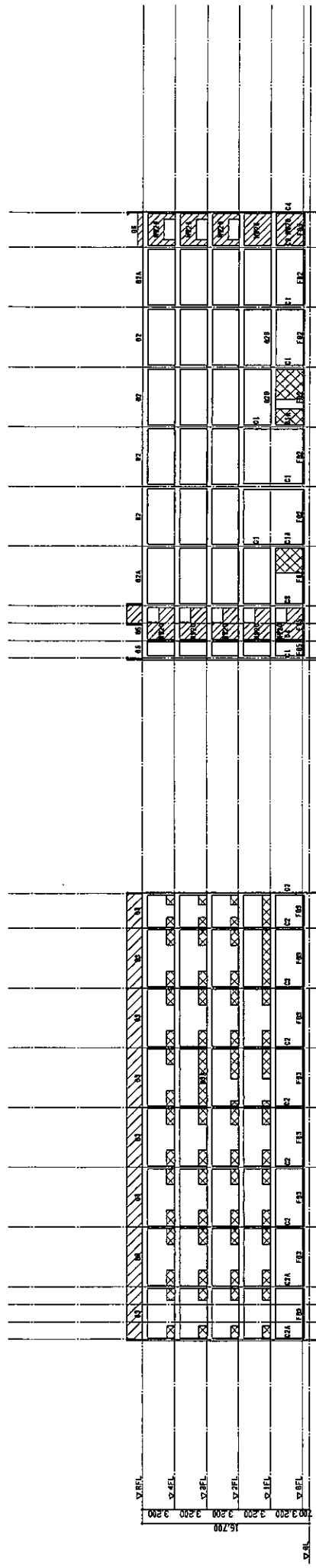
SCALE 1:200

NO.	DATE
S-008	

DRAWN BY: M. J. M.  
 CHECKED BY: M. J. M.  
 APPROVED BY: M. J. M.

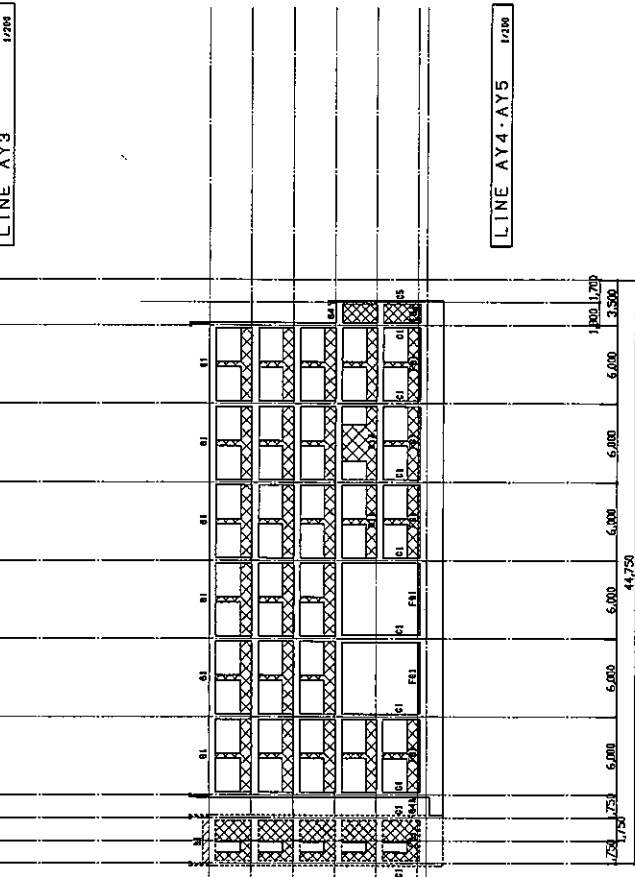


fel



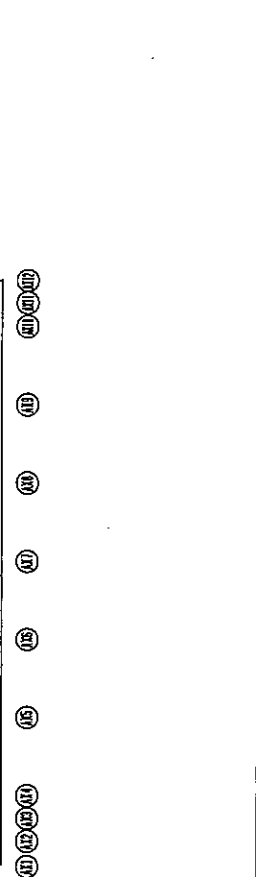
LINE AY1 1/200

LINE AY3 1/200



LINE AY2 1/200

LINE AY4-AY5 1/200



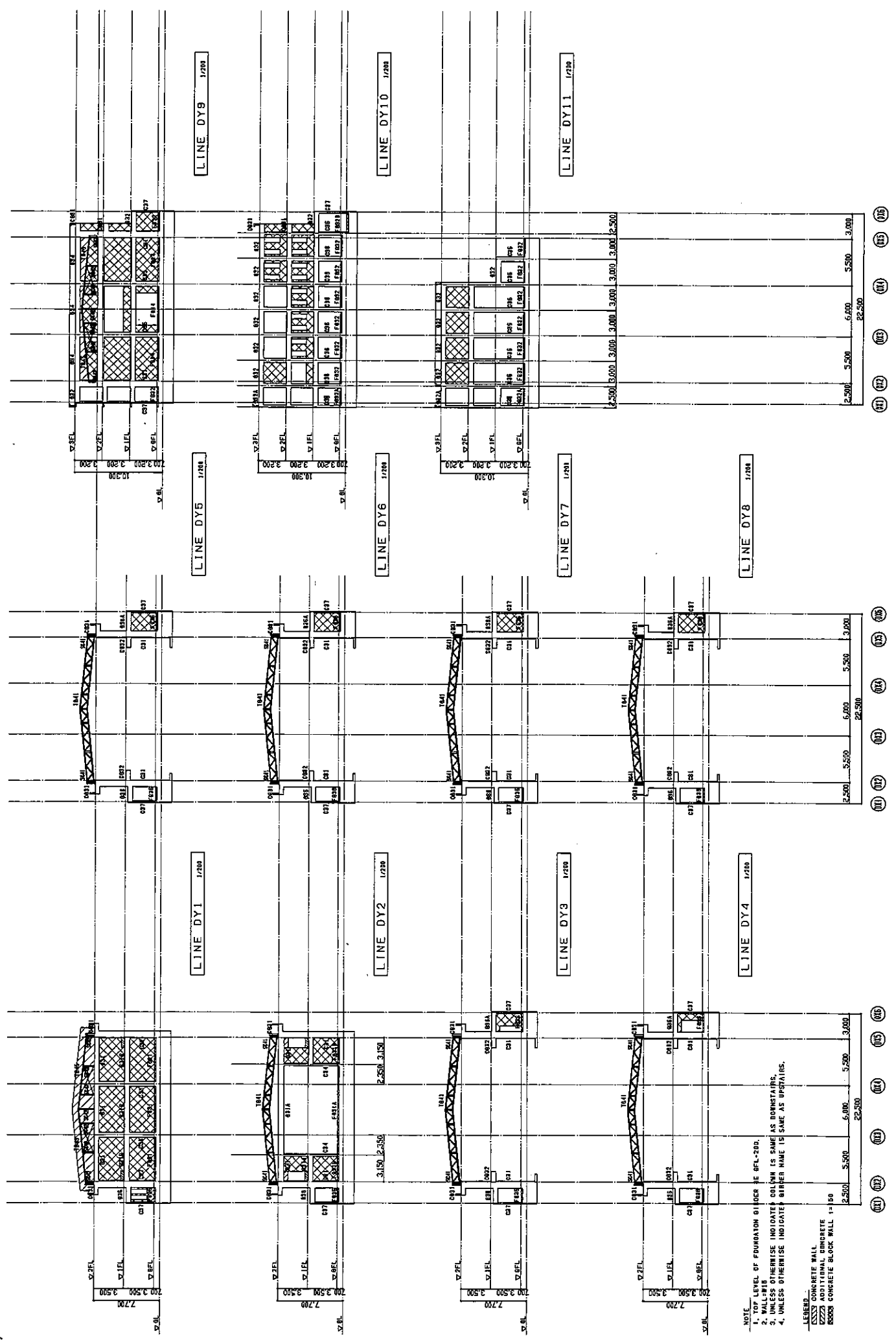
NOTE:  
 1. LEVEL OF FOUNDATION RIDGER BE 8FL-200.  
 2. WALL LEVEL.  
 3. UNLESS OTHERWISE INDICATED COLUMN IS SAME AS DOWNSTAIRS.  
 4. UNLESS OTHERWISE INDICATED BEAMER NAME IS SAME AS UPSTAIRS.

LEGEND:  
 CONCRETE WALL  
 ADDITIONAL CONCRETE  
 CONCRETE BLOCK WALL 1:150

<p><b>M</b> MOHR, ARCHITECT &amp; ASSOCIATES, INC.          100A, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z          TEL: 11-251-1000 FAX: 11-251-1000</p>	PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES	SCALE 1:200 DRAWING TITLE FRAMING ELEVATION (CLASSROOM-1) - 1	DRAWN BY MOH CHECKED BY MOH APPROVED BY MOH	DATE 15/05/2017	NO. S-012
	KTN-80				



921



NOTE  
 1. TOP LEVEL OF FOUNDATION BINDER BE BFL-200.  
 2. WALLS UNLESS OTHERWISE INDICATED, COLUMN IS SAME AS DOWNSTAIRS.  
 3. TRUSSES UNLESS OTHERWISE INDICATED, MEMBER NAME IS SAME AS UPSTAIRS.  
 4. UNLESS OTHERWISE INDICATED, MEMBER NAME IS SAME AS UPSTAIRS.

LEGEND  
 CONCRETE WALL  
 ADDITIONAL CONCRETE  
 CONCRETE BLOCK WALL 1=100

**M** MOHRI, ARCHITECT & ASSOCIATES, INC.  
 100A, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z, 100AA, 100AB, 100AC, 100AD, 100AE, 100AF, 100AG, 100AH, 100AI, 100AJ, 100AK, 100AL, 100AM, 100AN, 100AO, 100AP, 100AQ, 100AR, 100AS, 100AT, 100AU, 100AV, 100AW, 100AX, 100AY, 100AZ, 100BA, 100BB, 100BC, 100BD, 100BE, 100BF, 100BG, 100BH, 100BI, 100BJ, 100BK, 100BL, 100BM, 100BN, 100BO, 100BP, 100BQ, 100BR, 100BS, 100BT, 100BU, 100BV, 100BW, 100BX, 100BY, 100BZ, 100CA, 100CB, 100CC, 100CD, 100CE, 100CF, 100CG, 100CH, 100CI, 100CJ, 100CK, 100CL, 100CM, 100CN, 100CO, 100CP, 100CQ, 100CR, 100CS, 100CT, 100CU, 100CV, 100CW, 100CX, 100CY, 100CZ, 100DA, 100DB, 100DC, 100DD, 100DE, 100DF, 100DG, 100DH, 100DI, 100DJ, 100DK, 100DL, 100DM, 100DN, 100DO, 100DP, 100DQ, 100DR, 100DS, 100DT, 100DU, 100DV, 100DW, 100DX, 100DY, 100DZ, 100EA, 100EB, 100EC, 100ED, 100EE, 100EF, 100EG, 100EH, 100EI, 100EJ, 100EK, 100EL, 100EM, 100EN, 100EO, 100EP, 100EQ, 100ER, 100ES, 100ET, 100EU, 100EV, 100EW, 100EX, 100EY, 100EZ, 100FA, 100FB, 100FC, 100FD, 100FE, 100FF, 100FG, 100FH, 100FI, 100FJ, 100FK, 100FL, 100FM, 100FN, 100FO, 100FP, 100FQ, 100FR, 100FS, 100FT, 100FU, 100FV, 100FW, 100FX, 100FY, 100FZ, 100GA, 100GB, 100GC, 100GD, 100GE, 100GF, 100GG, 100GH, 100GI, 100GJ, 100GK, 100GL, 100GM, 100GN, 100GO, 100GP, 100GQ, 100GR, 100GS, 100GT, 100GU, 100GV, 100GW, 100GX, 100GY, 100GZ, 100HA, 100HB, 100HC, 100HD, 100HE, 100HF, 100HG, 100HH, 100HI, 100HJ, 100HK, 100HL, 100HM, 100HN, 100HO, 100HP, 100HQ, 100HR, 100HS, 100HT, 100HU, 100HV, 100HW, 100HX, 100HY, 100HZ, 100IA, 100IB, 100IC, 100ID, 100IE, 100IF, 100IG, 100IH, 100II, 100IJ, 100IK, 100IL, 100IM, 100IN, 100IO, 100IP, 100IQ, 100IR, 100IS, 100IT, 100IU, 100IV, 100IW, 100IX, 100IY, 100IZ, 100JA, 100JB, 100JC, 100JD, 100JE, 100JF, 100JG, 100JH, 100JI, 100JJ, 100JK, 100JL, 100JM, 100JN, 100JO, 100JP, 100JQ, 100JR, 100JS, 100JT, 100JU, 100JV, 100JW, 100JX, 100JY, 100JZ, 100KA, 100KB, 100KC, 100KD, 100KE, 100KF, 100KG, 100KH, 100KI, 100KJ, 100KK, 100KL, 100KM, 100KN, 100KO, 100KP, 100KQ, 100KR, 100KS, 100KT, 100KU, 100KV, 100KW, 100KX, 100KY, 100KZ, 100LA, 100LB, 100LC, 100LD, 100LE, 100LF, 100LG, 100LH, 100LI, 100LJ, 100LK, 100LL, 100LM, 100LN, 100LO, 100LP, 100LQ, 100LR, 100LS, 100LT, 100LU, 100LV, 100LW, 100LX, 100LY, 100LZ, 100MA, 100MB, 100MC, 100MD, 100ME, 100MF, 100MG, 100MH, 100MI, 100MJ, 100MK, 100ML, 100MN, 100MO, 100MP, 100MQ, 100MR, 100MS, 100MT, 100MU, 100MV, 100MW, 100MX, 100MY, 100MZ, 100NA, 100NB, 100NC, 100ND, 100NE, 100NF, 100NG, 100NH, 100NI, 100NJ, 100NK, 100NL, 100NM, 100NO, 100NP, 100NQ, 100NR, 100NS, 100NT, 100NU, 100NV, 100NW, 100NX, 100NY, 100NZ, 100OA, 100OB, 100OC, 100OD, 100OE, 100OF, 100OG, 100OH, 100OI, 100OJ, 100OK, 100OL, 100OM, 100ON, 100OO, 100OP, 100OQ, 100OR, 100OS, 100OT, 100OU, 100OV, 100OW, 100OX, 100OY, 100OZ, 100PA, 100PB, 100PC, 100PD, 100PE, 100PF, 100PG, 100PH, 100PI, 100PJ, 100PK, 100PL, 100PM, 100PN, 100PO, 100PP, 100PQ, 100PR, 100PS, 100PT, 100PU, 100PV, 100PW, 100PX, 100PY, 100PZ, 100QA, 100QB, 100QC, 100QD, 100QE, 100QF, 100QG, 100QH, 100QI, 100QJ, 100QK, 100QL, 100QM, 100QN, 100QO, 100QP, 100QQ, 100QR, 100QS, 100QT, 100QU, 100QV, 100QW, 100QX, 100QY, 100QZ, 100RA, 100RB, 100RC, 100RD, 100RE, 100RF, 100RG, 100RH, 100RI, 100RJ, 100RK, 100RL, 100RM, 100RN, 100RO, 100RP, 100RQ, 100RR, 100RS, 100RT, 100RU, 100RV, 100RW, 100RX, 100RY, 100RZ, 100SA, 100SB, 100SC, 100SD, 100SE, 100SF, 100SG, 100SH, 100SI, 100SJ, 100SK, 100SL, 100SM, 100SN, 100SO, 100SP, 100SQ, 100SR, 100SS, 100ST, 100SU, 100SV, 100SW, 100SX, 100SY, 100SZ, 100TA, 100TB, 100TC, 100TD, 100TE, 100TF, 100TG, 100TH, 100TI, 100TJ, 100TK, 100TL, 100TM, 100TN, 100TO, 100TP, 100TQ, 100TR, 100TS, 100TT, 100TU, 100TV, 100TW, 100TX, 100TY, 100TZ, 100UA, 100UB, 100UC, 100UD, 100UE, 100UF, 100UG, 100UH, 100UI, 100UJ, 100UK, 100UL, 100UM, 100UN, 100UO, 100UP, 100UQ, 100UR, 100US, 100UT, 100UU, 100UV, 100UW, 100UX, 100UY, 100UZ, 100VA, 100VB, 100VC, 100VD, 100VE, 100VF, 100VG, 100VH, 100VI, 100VJ, 100VK, 100VL, 100VM, 100VN, 100VO, 100VP, 100VQ, 100VR, 100VS, 100VT, 100VU, 100VV, 100VW, 100VX, 100VY, 100VZ, 100WA, 100WB, 100WC, 100WD, 100WE, 100WF, 100WG, 100WH, 100WI, 100WJ, 100WK, 100WL, 100WM, 100WN, 100WO, 100WP, 100WQ, 100WR, 100WS, 100WT, 100WU, 100WV, 100WW, 100WX, 100WY, 100WZ, 100XA, 100XB, 100XC, 100XD, 100XE, 100XF, 100XG, 100XH, 100XI, 100XJ, 100XK, 100XL, 100XM, 100XN, 100XO, 100XP, 100XQ, 100XR, 100XS, 100XT, 100XU, 100XV, 100XW, 100XX, 100XY, 100XZ, 100YA, 100YB, 100YC, 100YD, 100YE, 100YF, 100YG, 100YH, 100YI, 100YJ, 100YK, 100YL, 100YM, 100YN, 100YO, 100YP, 100YQ, 100YR, 100YS, 100YT, 100YU, 100YV, 100YW, 100YX, 100YY, 100YZ, 100ZA, 100ZB, 100ZC, 100ZD, 100ZE, 100ZF, 100ZG, 100ZH, 100ZI, 100ZJ, 100ZK, 100ZL, 100ZM, 100ZN, 100ZO, 100ZP, 100ZQ, 100ZR, 100ZS, 100ZT, 100ZU, 100ZV, 100ZW, 100ZX, 100ZY, 100ZZ

PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE IN THE REPUBLIC OF MALDIVES

SCALE 1:200 DRAWING TITLE FRAMING ELEVATION (SCHOOL HALL) - 1

NO. S-016

DATE

DRAWN BY

CHECKED BY

APPROVED BY

KTN-81

22

**BIRDER SCHEDULE (2)** 1/20

UNLESS OTHERWISE INDICATED: STIRRUP C-3100254 TIE BARS --0100030

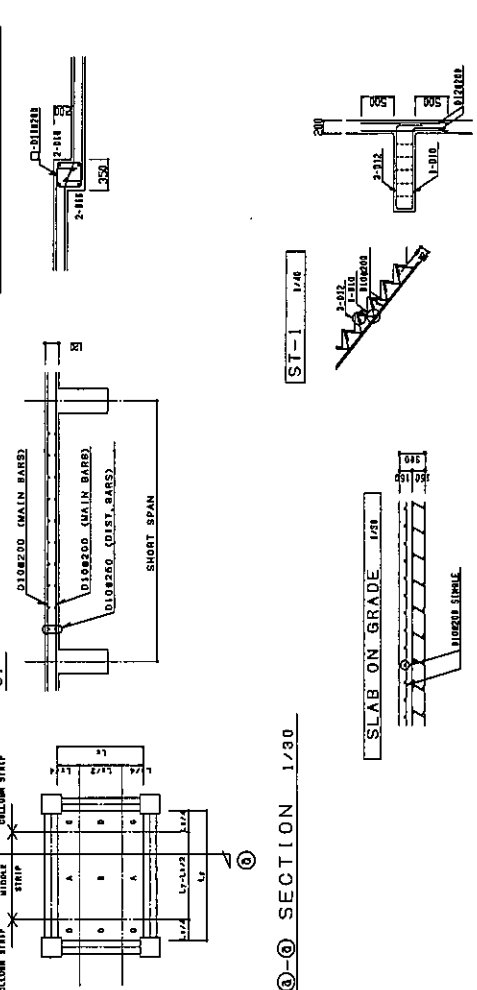
NAME	LOCATION	Q6A	Q7	Q7A	Q8
SECTION	ROOF FL	4-000 2-000 2-000	2-000 2-000 2-000	5-000 5-000 5-000	2-000 2-000 2-000
SECTION	FOURTH FL	2-000 2-000	2-000 2-000	2-000 2-000	2-000 2-000
SECTION	THIRD FL	2-000 2-000	2-000 2-000	2-000 2-000	2-000 2-000
SECTION	SECOND FL	2-000 2-000	2-000 2-000	2-000 2-000	2-000 2-000
SECTION	FIRST FL	2-000 2-000	2-000 2-000	2-000 2-000	2-000 2-000

**SLAB SCHEDULE**

NAME	THICKNESS	MAIN BARS		MIDDLE STRIP		ENDS		COLUMN STRIP		NOTE
		TOP	BOIT	TOP	BOIT	TOP	BOIT	ALL	ALL	
S1	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S2	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S3	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S3A	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S4	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S5	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
S6	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
CS0	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
CS1	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
CS2	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
CS3	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
CS4	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
FS1	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
FS2	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE
FS3	120	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	D12-020	DOUBLE

**KEY PLAN**

**PLAYERS ROOM STEP SLAB DETAIL** 1/20



**WALL SCHEDULE** 1/20

NAME	LOCATION	Q6A	Q7	Q7A	Q8
SECTION	W16	1-012 1-012	1-012 1-012	1-012 1-012	1-012 1-012
SECTION	NW20	1-012 1-012	1-012 1-012	1-012 1-012	1-012 1-012
SECTION	CB15	1-012 1-012	1-012 1-012	1-012 1-012	1-012 1-012

**BEAM SCHEDULE** 1/20

NAME	LOCATION	Q6A	Q7	Q7A	Q8
SECTION	B1	1-012 1-012	1-012 1-012	1-012 1-012	1-012 1-012
SECTION	B1	1-012 1-012	1-012 1-012	1-012 1-012	1-012 1-012

**M** MOHRI, ARCHITECT & ASSOCIATES, INC.  
 1000 10TH AVENUE, SUITE 1000, NEW YORK, NY 10018  
 TEL: (212) 691-1000 FAX: (212) 691-1001

PROJECT NAME: THE SECOND GIRLS SECONDARY SCHOOL IN MALE, IN THE REPUBLIC OF MALDIVES

DRAWING TITLE: GIRDER SCHEDULE (2) SLAB SCHEDULE AND MISCELLANEOUS (CLASSROOM-1)

SCALE: 1/30

DATE: 1/20

NO. S-021

KTN-82

821

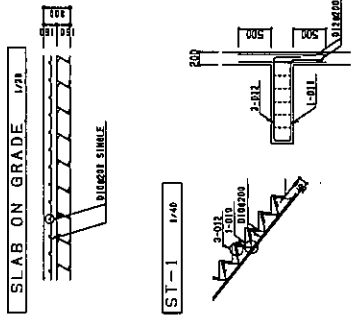
**GIRDER SCHEDULE (2)** 1/20

UNLESS OTHERWISE INDICATED : STIRREP Q-D-00953

NAME	OTHER END	Q16A	Q17	Q17A	Q18
SECTION					
PH INDF FL					
TOP BARS					
BOTT. BARS					
STIRREP					
WID. BARS					
SECTION					
TOP BARS					
BOTT. BARS					
STIRREP					
WID. BARS					
SECTION					
TOP BARS					
BOTT. BARS					
STIRREP					
WID. BARS					
SECTION					
TOP BARS					
BOTT. BARS					
STIRREP					
WID. BARS					

**BEAM SCHEDULE** 1/20

NAME	B11
SECTION	
TOP BARS	
BOTT. BARS	
STIRREP	
WID. BARS	

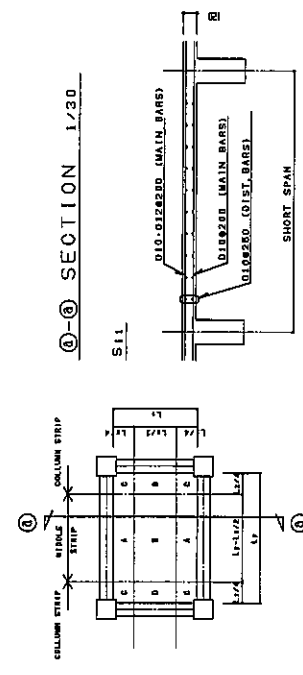


**SLAB SCHEDULE**

NAME	THICKNESS	MIDDLE STRIP		COLUMN STRIP		MIDDLE STRIP		COLUMN STRIP		NOTE
		EMCS	CS/CR	EMCS	CS/CR	EMCS	CS/CR	EMCS	CS/CR	
S11	120	TOP	010-012-000	ALL	ALL	010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
S11A	140	TOP	010-012-0175			010-012-0175	010-012-0175	010-012-0175	010-012-0175	DOUBLE
S12	120	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
S13	120	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
S14	120	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
S15	120	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
S16	180	TOP	010-012-0150			010-012-0150	010-012-0150	010-012-0150	010-012-0150	DOUBLE
S17	120	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
CS10	160	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
CS11	150	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
CS12	150	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
CS13	150	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
FS11	300	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
FS11A	300	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
FS12	200	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
FS12A	200	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
FS13	300	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE
OFS11	200	TOP	010-012-000			010-012-000	010-012-000	010-012-000	010-012-000	DOUBLE

**WALL SCHEDULE** 1/20

NAME	W15	W20 NW20	CB15
SECTION			
VERT. BAR	010-012-000	010-012-000	010-012-000
HORIZ. BAR	010-012-000	010-012-000	010-012-000
STIRREP	010-012-000	010-012-000	010-012-000
WID. BARS	010-012-000	010-012-000	010-012-000



**M** MOHRJI, ARCHITECT & ASSOCIATES, INC.

PROJECT NAME: THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES

SCALE: 1:30

SCALE: 1:40

DRAWING TITLE: GIRDER (2) AND BEAM SCHEDULE (CLASSROOM-2)

NO. S-025

DATE: 2023

APPROVED BY: [Signature]

KTN-83

62/

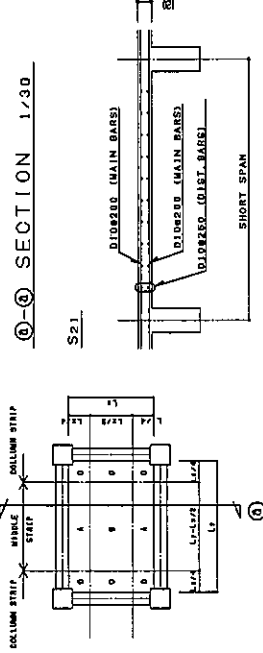
**SLAB SCHEDULE 1/20**

NAME	THICKNESS	MIDDLE STRIP		WALL STRIP		COLUMN STRIP	DIST. BARS	NOTE
		ENDS	CENTER	ENDS	CENTER			
S21	100	TOP	010-0210	010-0250	010-0250	ALL		DOUBLE
		BOIT	010-0210	010-0250	010-0250			
S22	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
S23	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
S23A	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
S24	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
S25	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
DS20	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
CS21	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
CS21A	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
CS22	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
CS23	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
CS24	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
FS21	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			
FS22	100	TOP	010-0210	010-0250	010-0250			DOUBLE
		BOIT	010-0210	010-0250	010-0250			

**WALL SCHEDULE 1/20**

NAME	W15	CB15	W15	CB15	W15	CB15
SECTION						
W15	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE
CB15	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE	010-0210 SINGLE
W15	1-012	1-012	1-012	1-012	1-012	1-012
CB15	1-012	1-012	1-012	1-012	1-012	1-012

**SLAB ON GRADE 1/20**



**M** MOHRI, ARCHITECT & ASSOCIATES, INC.  
 PROJECT NAME: THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES  
 DRAWING TITLE: SLAB, WALL AND MISCELLANEOUS (SPECIAL CLASSROOM)  
 SCALE: 1:30  
 DRAWING NO.: S-029  
 DATE: 2023  
 CHECKED BY: [Signature]  
 APPROVED BY: [Signature]

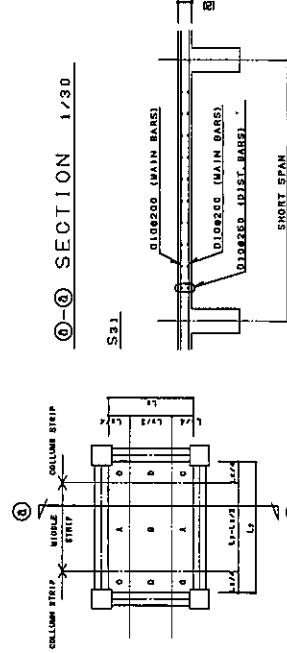
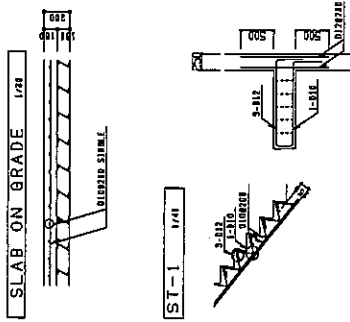
KTN-84

SLAB SCHEDULE

NAME	THICKNESS	MAIN BARS		COLUMN STRIP		DIST. BARS		NOTE
		MIDDLE STRIP	ENDS	INNER	OUTER	MIDDLE STRIP	ENDS	
S31	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S32	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S33	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S34	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S35	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S36	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S37	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S38	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
S39	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
CS31	180	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
CS32	180	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
CS33	120	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
FS31	300	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
FS32	280	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
FS33	250	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
FS34	250	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE
FGS31	350	TOP BOT	01A-4200 01B-4200	ALL	01A-4200 01B-4200	ALL	DOUBLE	DOUBLE

WALL SCHEDULE

NAME	W15	RW20	NW25	CB15	FOR REINFORCEMENT IN
SECTION	W15	RW20	NW25	CB15	FOR REINFORCEMENT IN
VERT. BAR	011-4200 SINGLE	011-4200 DOUBLE	011-4200 DOUBLE	011-4200 SINGLE	011-4200 SINGLE
HORIZ. BAR	011-4200 SINGLE	011-4200 DOUBLE	011-4200 DOUBLE	011-4200 SINGLE	011-4200 SINGLE
a	1-112	2-310	2-310	1-912	1-912
b	1-112	2-310	2-310	1-912	1-912
c	1-112	2-310	2-310	1-912	1-912



KEY PLAN

**M** MOHRRI, ARCHITECT & ASSOCIATES, INC. PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES

NO. S-033

DATE

DRAWN BY

CHECKED BY

APPROVED BY

DRAWING TITLE

SLAB, WALL AND MISCELLANEOUS (SCHOOL HALL)

SCALE 1:20

1:40

K7N-85

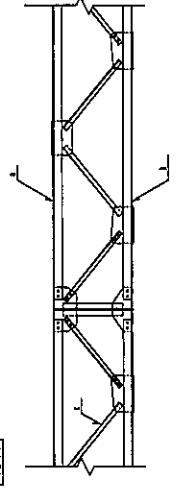
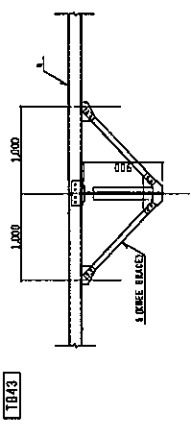
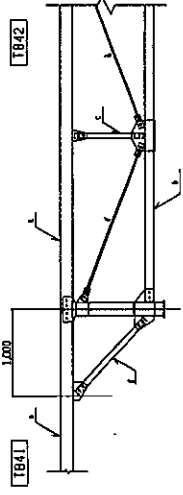
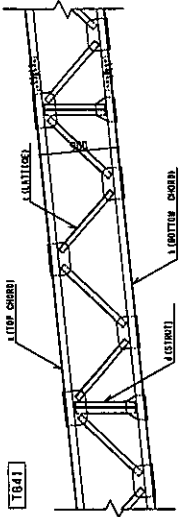
**MEMBER SCHEDULE** STRUCTURAL STEEL TO BE USED SHALL BE ASTM, UNLESS OTHERWISE SPECIFIED.

MARK	MEMBER	SPL. A, B, C	SPL. R, T, A	REMARK
SW1	W-10X10X10	A, B, C (10X10X10)		
SW2	W-10X10X10	A, B, C (10X10X10)		

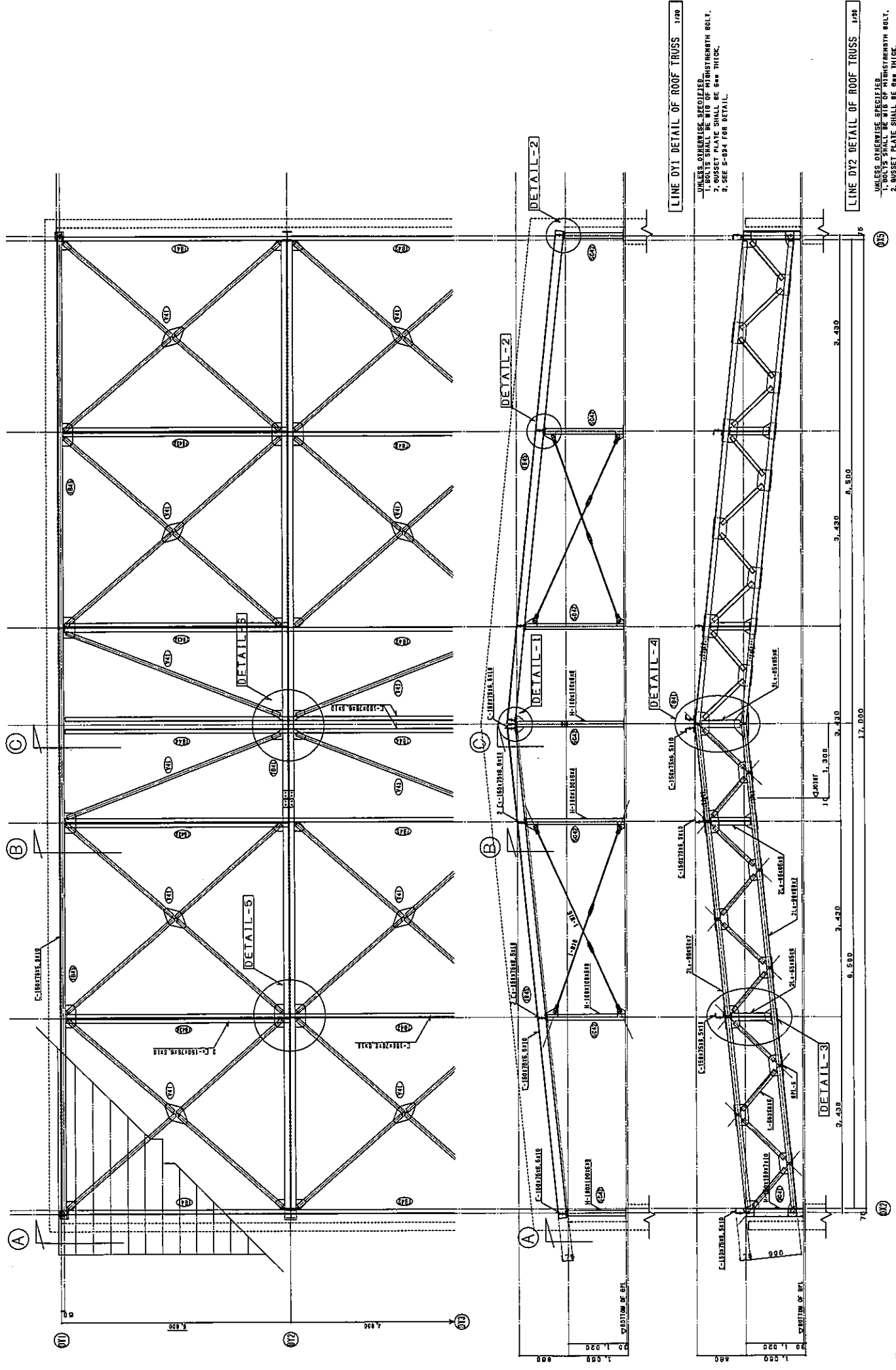
MARK	MEMBER	SPL. OR DIM.	U.T.C.	REMARK
TA1	L-2L-8X8X10	8X8	5-1/2"	
TA2	L-2L-8X8X10	8X8	5-1/2"	
TA3	L-2L-8X8X10	8X8	5-1/2"	
TA4	L-2L-8X8X10	8X8	5-1/2"	
TA5	L-2L-8X8X10	8X8	5-1/2"	
TA6	L-2L-8X8X10	8X8	5-1/2"	
TA7	L-2L-8X8X10	8X8	5-1/2"	
TA8	L-2L-8X8X10	8X8	5-1/2"	
TA9	L-2L-8X8X10	8X8	5-1/2"	
TA10	L-2L-8X8X10	8X8	5-1/2"	
TA11	L-2L-8X8X10	8X8	5-1/2"	
TA12	L-2L-8X8X10	8X8	5-1/2"	
TA13	L-2L-8X8X10	8X8	5-1/2"	
TA14	L-2L-8X8X10	8X8	5-1/2"	
TA15	L-2L-8X8X10	8X8	5-1/2"	
TA16	L-2L-8X8X10	8X8	5-1/2"	
TA17	L-2L-8X8X10	8X8	5-1/2"	
TA18	L-2L-8X8X10	8X8	5-1/2"	
TA19	L-2L-8X8X10	8X8	5-1/2"	
TA20	L-2L-8X8X10	8X8	5-1/2"	
TA21	L-2L-8X8X10	8X8	5-1/2"	
TA22	L-2L-8X8X10	8X8	5-1/2"	
TA23	L-2L-8X8X10	8X8	5-1/2"	
TA24	L-2L-8X8X10	8X8	5-1/2"	
TA25	L-2L-8X8X10	8X8	5-1/2"	
TA26	L-2L-8X8X10	8X8	5-1/2"	
TA27	L-2L-8X8X10	8X8	5-1/2"	
TA28	L-2L-8X8X10	8X8	5-1/2"	
TA29	L-2L-8X8X10	8X8	5-1/2"	
TA30	L-2L-8X8X10	8X8	5-1/2"	

NOTE: 5' LIGHT GAGE STEEL CHANNELS (C-8X8)  
 2" SPACING PLATE  
 1/4" THICK PLATE

MARK	SECTION	SECTION	SECTION	SECTION
TA1	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA2	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA3	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA4	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA5	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA6	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA7	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA8	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA9	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA10	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA11	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA12	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA13	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA14	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA15	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA16	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA17	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA18	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA19	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA20	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA21	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA22	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA23	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA24	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA25	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA26	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA27	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA28	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA29	SECTION 1	SECTION 2	SECTION 3	SECTION 4
TA30	SECTION 1	SECTION 2	SECTION 3	SECTION 4



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LINE D11 DETAIL OF ROOF TRUSS 1:20

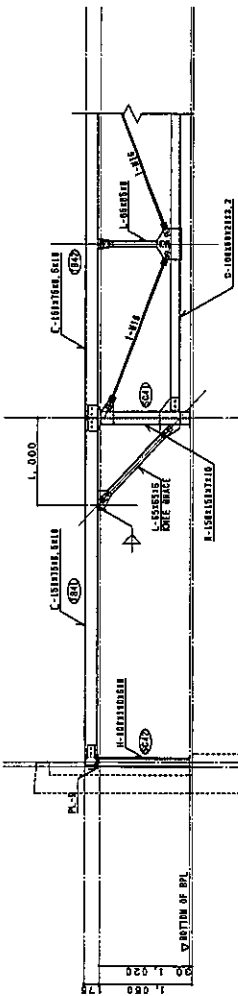
UNLESS OTHERWISE SPECIFIED:  
 1. BOLTS SHALL BE 815 OF MINIMUM THICKNESS BOLT.  
 2. GUSSET PLATE SHALL BE 6mm THICK.  
 3. SEE S-034 FOR DETAIL.

LINE D12 DETAIL OF ROOF TRUSS 1:20

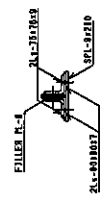
UNLESS OTHERWISE SPECIFIED:  
 1. BOLTS SHALL BE 815 OF MINIMUM THICKNESS BOLT.  
 2. GUSSET PLATE SHALL BE 6mm THICK.  
 3. SEE S-034 FOR DETAIL.

<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. 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	PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES	DRAWING TITLE STEEL ROOF TRUSS DETAIL-1 (SCHOOL HALL)	SCALE 1:30	DRAWN BY DATE	NO. S-036
	CHECKED BY APPROVED BY				

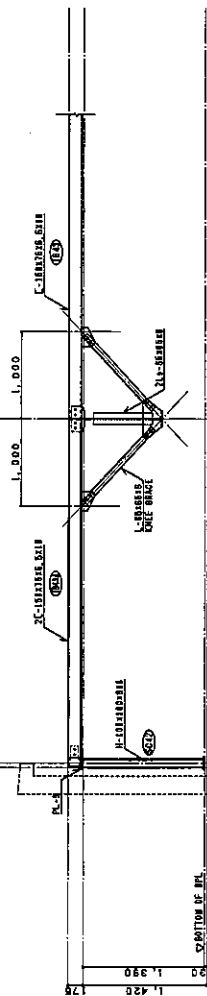
107N-87



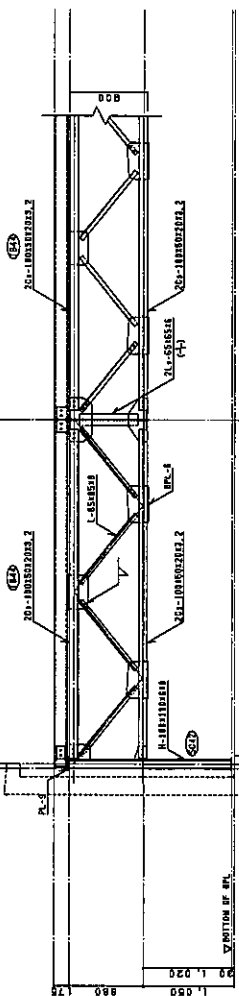
SECTION A 1/10



SECTION 1/10



SECTION B 1/10

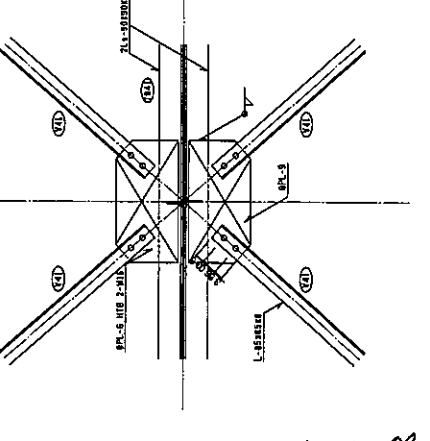
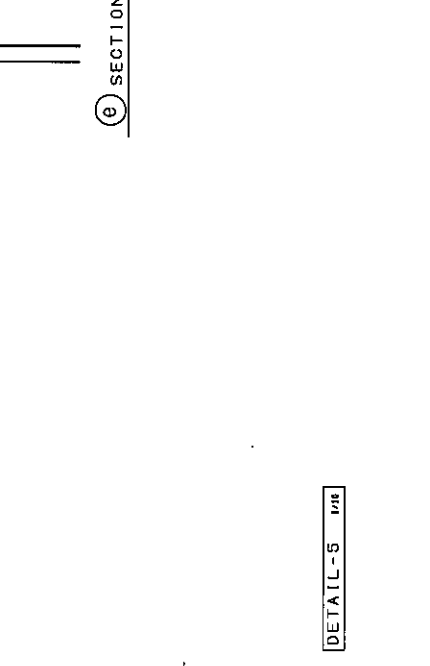
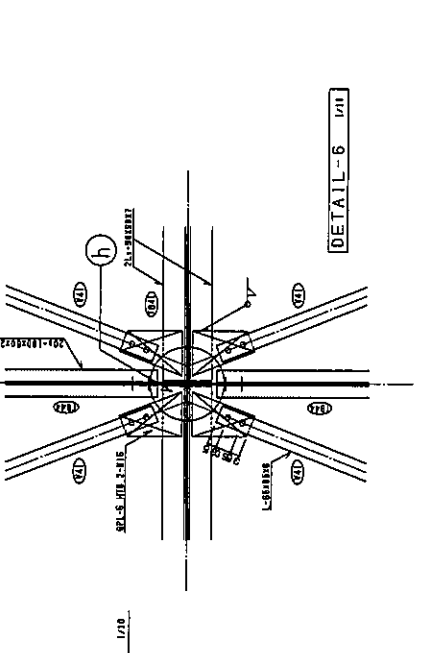
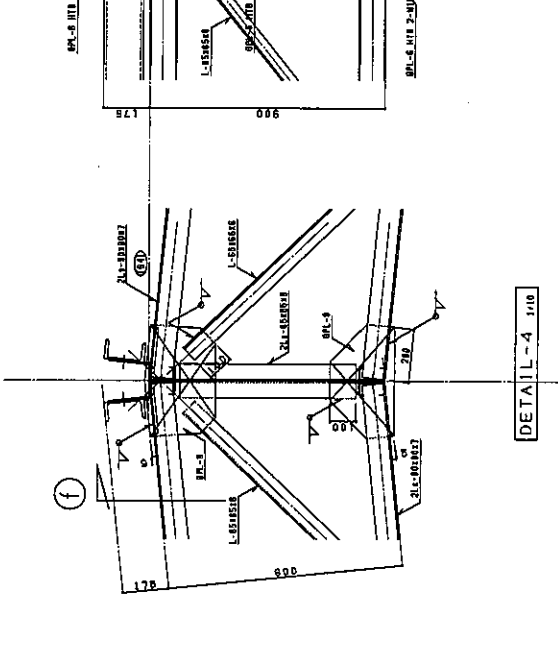
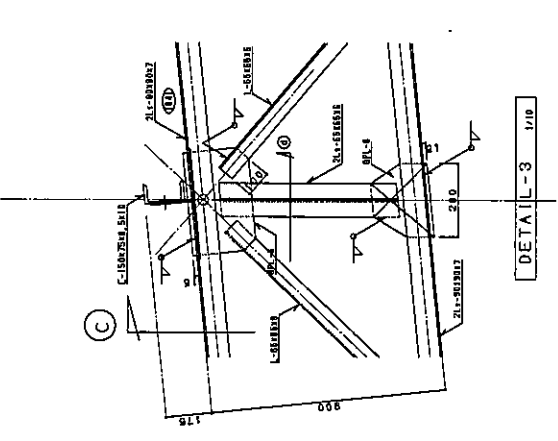
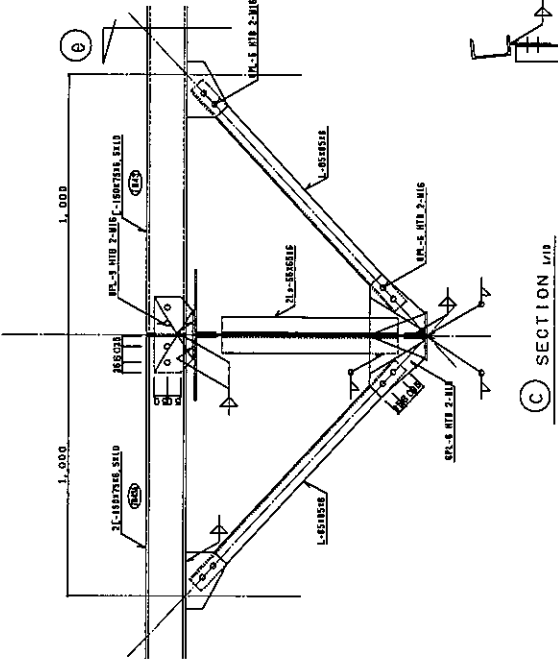
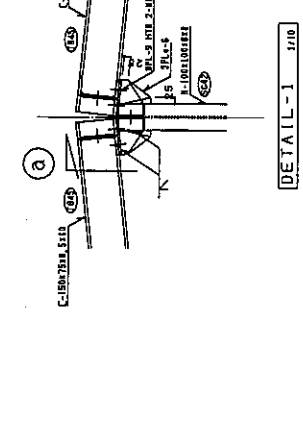
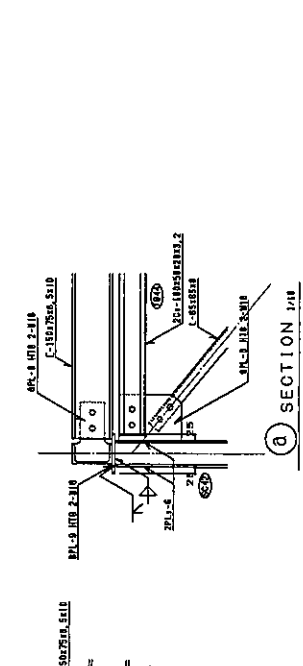
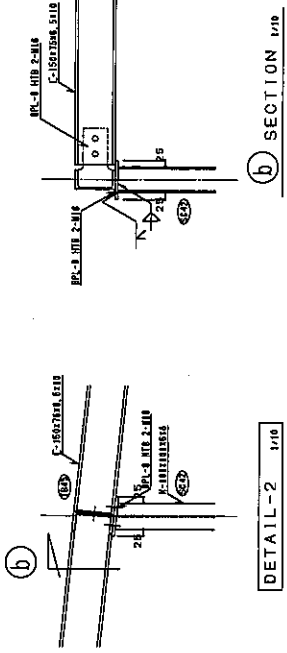


SECTION C 1/10

KTN-88

<b>M</b> MOHRI, ARCHITECT & ASSOCIATES, INC. 1101 SOUTH BAYVIEW AVENUE, SUITE 100 MIAMI, FLORIDA 33131 TEL: (305) 351-1000 FAX: (305) 351-1001	PROJECT NAME THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES		DRAWING TITLE STEEL ROOF TRUSS DETAIL-2 (SCHOOL HALL)	NO. S-037
	SCALE 1:10 1:20	DRAWING DATE 12/12/88	CHECKED BY [Signature]	APPROVED BY [Signature]

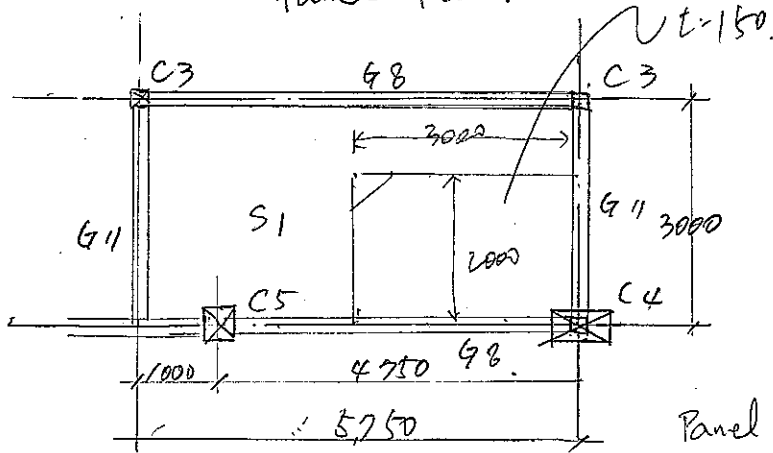




<b>M</b> MOHR, ARCHITECT & ASSOCIATES, INC. 1000 W. 11th St., Suite 100 Anchorage, Alaska 99501 TEL: (907) 561-1111 FAX: (907) 561-1112	PROJECT NAME THE PROJECT FOR CONSTRUCTION OF THE SECOND GIRLS SECONDARY SCHOOL IN MALE' IN THE REPUBLIC OF MALDIVES	DRAWING TITLE STEEL ROOF TRUSS DETAIL-3 (SCHOOL HALL)	DRAWN BY CHECKED BY APPROVED BY	DATE	NO. S-038
	SCALE 1:5 1:10				

KTN-89

## 4. Kalkulasi Scaff Panel Foundation



Panel self weight  
20 kN

Foundation  $h=120$   $2.88 \frac{kN}{m^2} \times 3 \times 2 = 17.4$   
 Panel  $20$

37.4

$37.4 / 5.75 \times 3 = 2.17 \frac{kN}{m^2}$

SLAB  $t=120$   $2.9 \frac{kN}{m^2}$   
 water proof.  $1.0 \frac{kN}{m^2}$

for support slab. confirmation

Total  $6.1 \frac{kN}{m^2}$

$M_{x1} = 0.078 \times w \times l^2 = 4.3 \frac{kN}{m}$

$M_{y1} = 0.052 \times \dots = 2.9$

$M_{y2} = 0.048 \times \dots = 2.7$

$Q = 0.52 \times b \cdot l \times 3 = 9.6 \frac{kN}{m}$

$t=120$   $d=90$   $f_y=78.75$   $f_t=196$

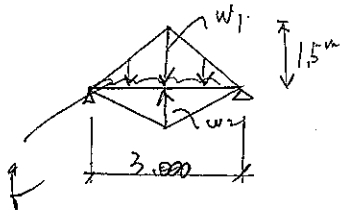
$a_{t_x} = 4.3 \times 10^6 / (196 \times 78.75) = 279 \text{ mm}^2$

$a_{t_y} = 2.7 \times 10^6 / (196 \times 90) = 147 \text{ mm}^2$

D10@200  $71.3 \times 5 = 356$

$\tau = 9.6 \times 10^3 / (1000 \times 78.75) = 0.13 < 0.7$

O.K.



Panel.

$$w_1 = (2.0/6 + 2.88) \times 1.5 = 9.32 \text{ kN/m}$$

$$w_2 = (2.9 + 1.0) \times 1.5 \times 2 = 11.7 \text{ kN/m}$$

$$q = 0.25 \times (0.45 - 0.12) \times 24 = 2.0 \text{ kN/m}$$

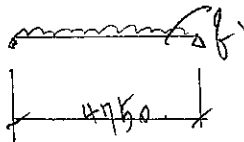
$$M_c = \frac{1}{12} \times 21.02 \times 3.0^2 + \frac{1}{8} \times 2.0 \times 3.0^2 = 18.1 \text{ kNm}$$

$$Q = \frac{1}{4} \times 21.02 \times 3.0 + \frac{1}{2} \times 2.0 \times 3.0 = 18.8 \text{ kN}$$

(G11) 250 x 450 d = 400 f = 350

$$a_t = \frac{18.1 \times 10^6}{205 \times 350} = 249 \text{ mm} \rightarrow 2-\text{Ø}19 \rightarrow 573 \text{ mm}^2 \text{ OK}$$

$$\tau = \frac{18.8 \times 10^3}{250 \times 350} = 0.22 < 0.7 \text{ OK}$$



$$q_1 = 6.1 \text{ kN/m}^2 \times 1.5 \text{ m} + 0.25 \times (0.65 - 0.12) \times 24 = 12.4 \text{ kN/m}$$

$$M = \frac{1}{8} \times 12.4 \times 4.75^2 = 35 \text{ kNm}$$

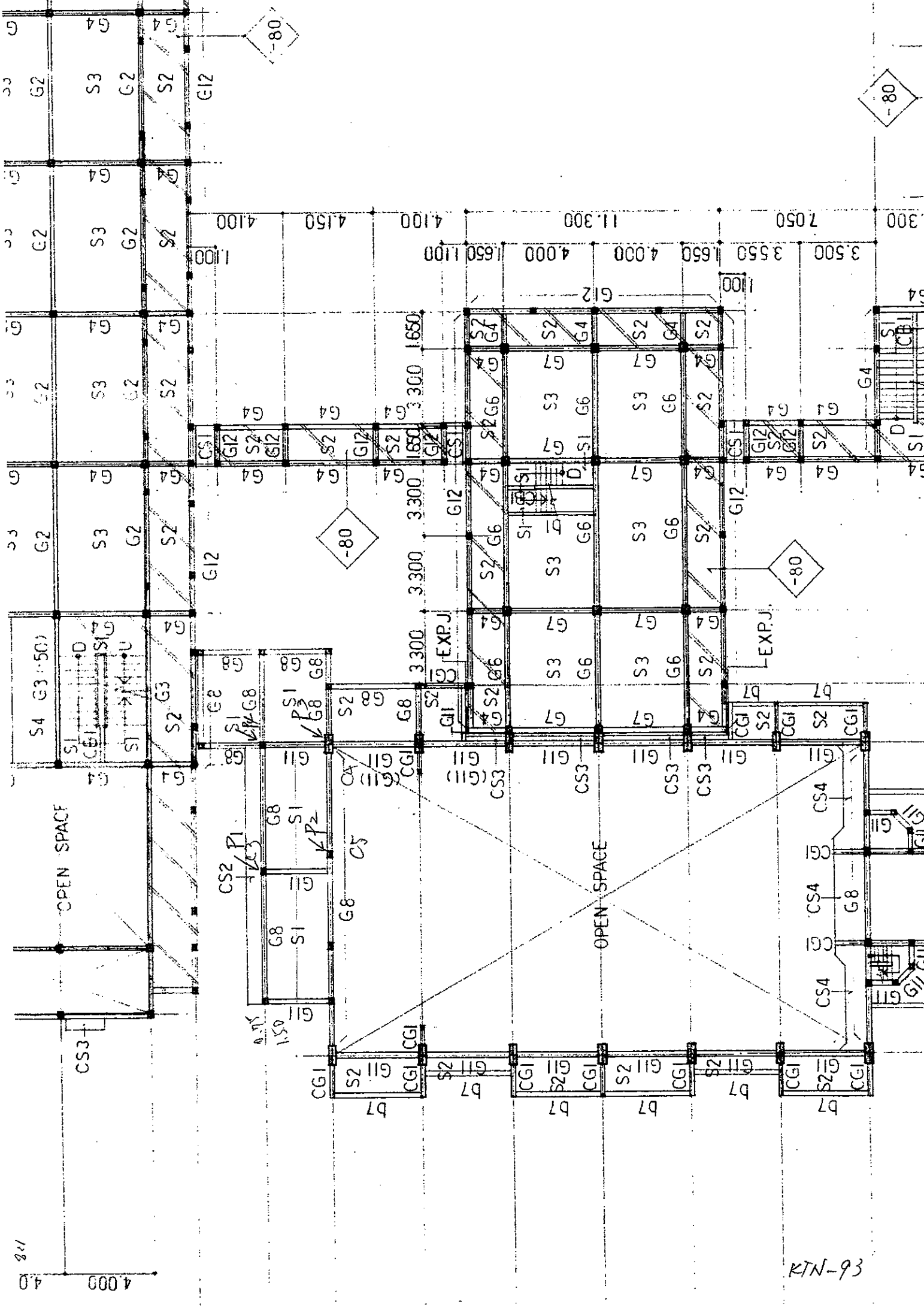
$$Q = \frac{1}{2} \times 12.4 \times 4.75 = 30 \text{ kN}$$

(G8) 250 x 650 d = 600 f = 525

$$a_t = \frac{35 \times 10^6}{215 \times 525} = 311 \text{ mm} \rightarrow 3-\text{Ø}22 \rightarrow 974 \text{ mm}^2 \text{ OK}$$

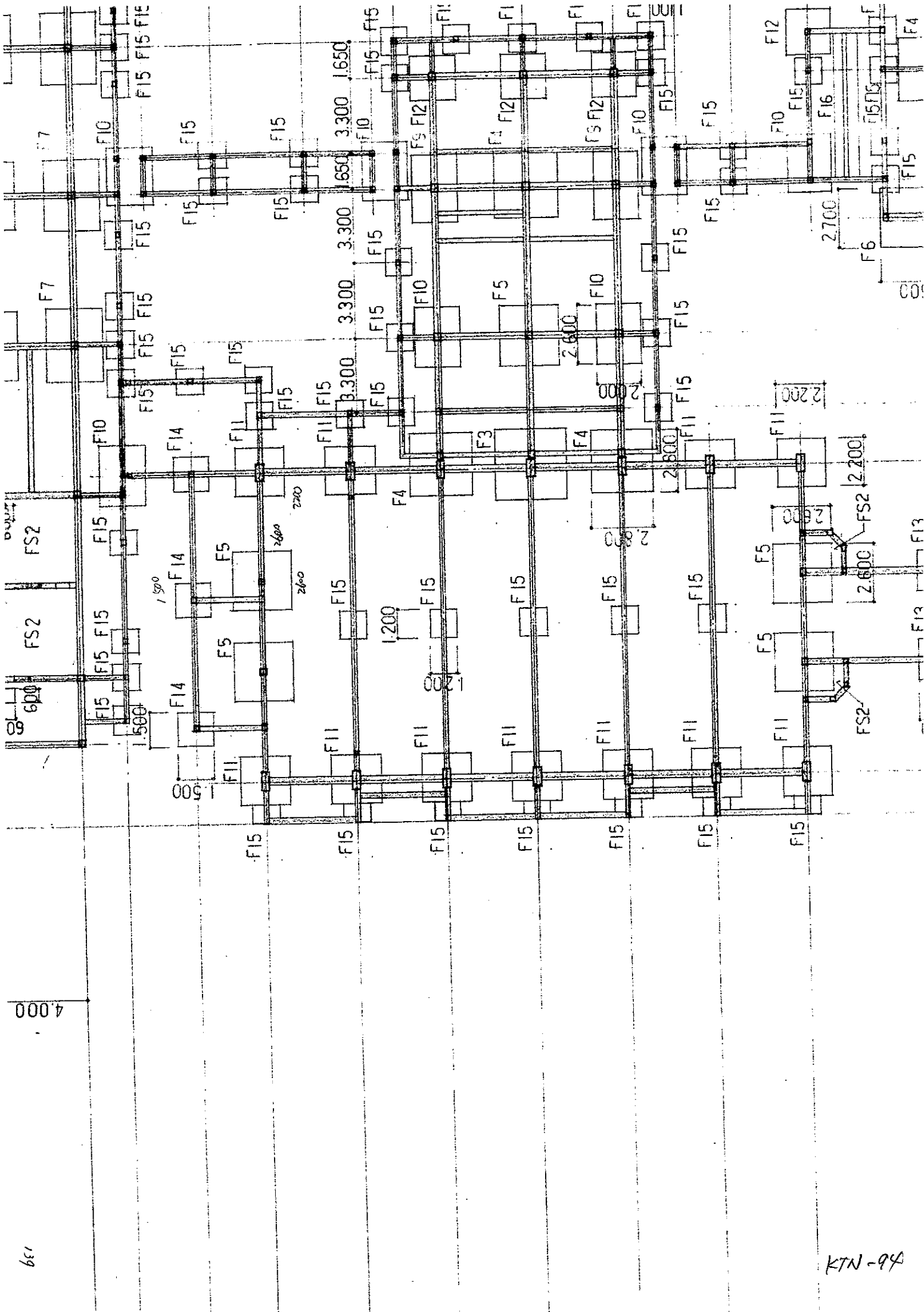
$$\tau = \frac{30 \times 10^3}{250 \times 525} = 0.23 < 0.7 \text{ OK}$$

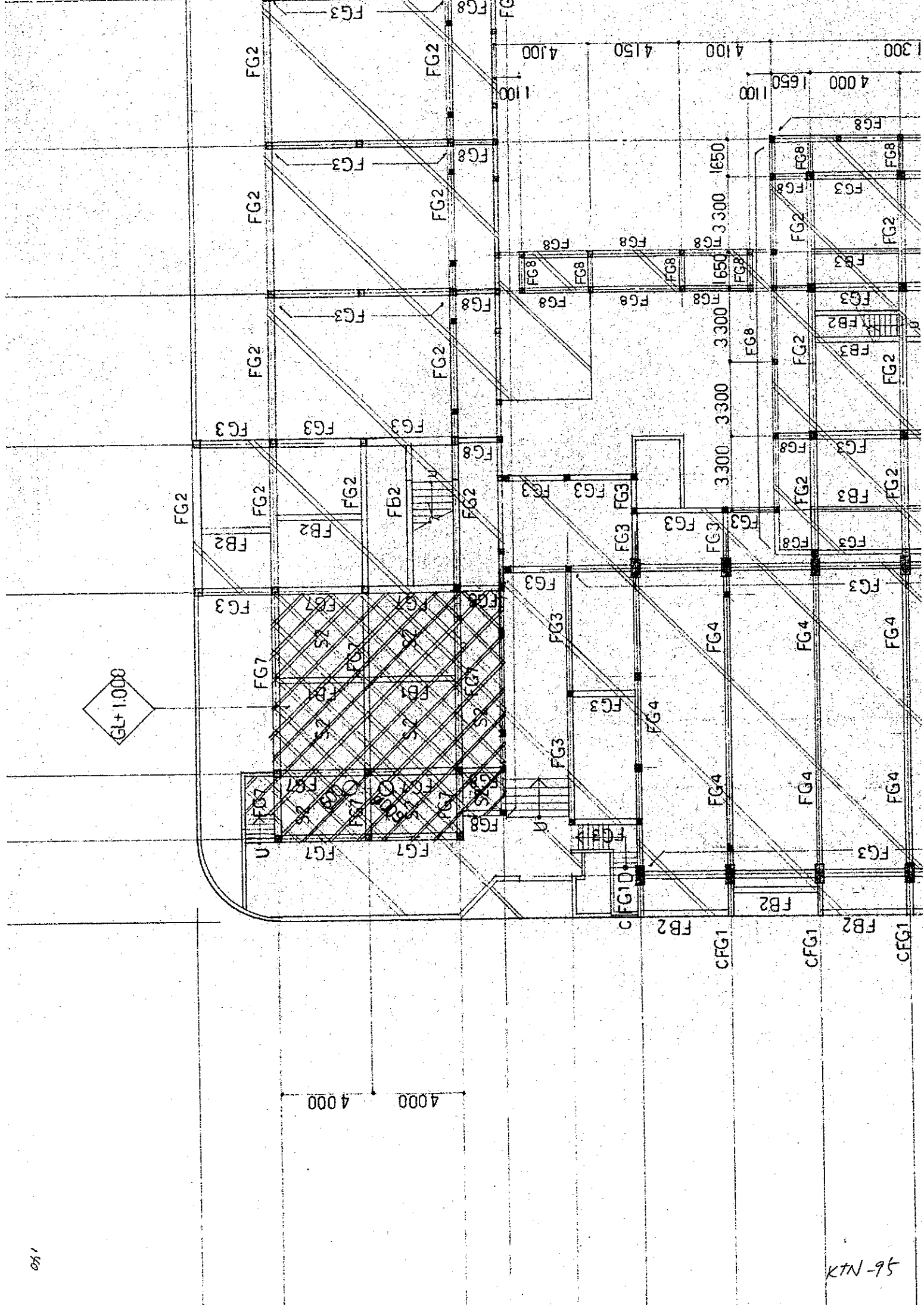


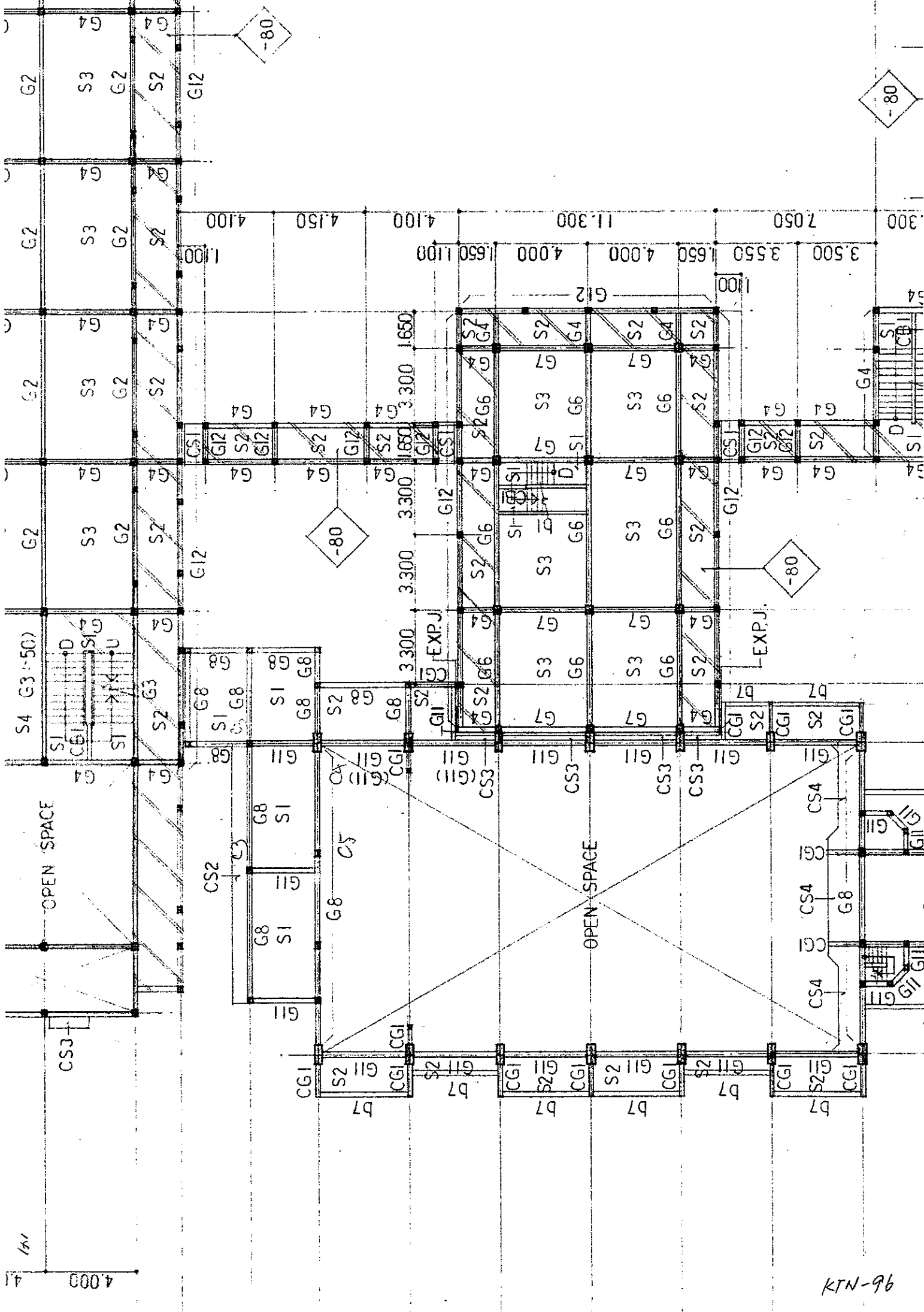


4000  
40

KTN-93

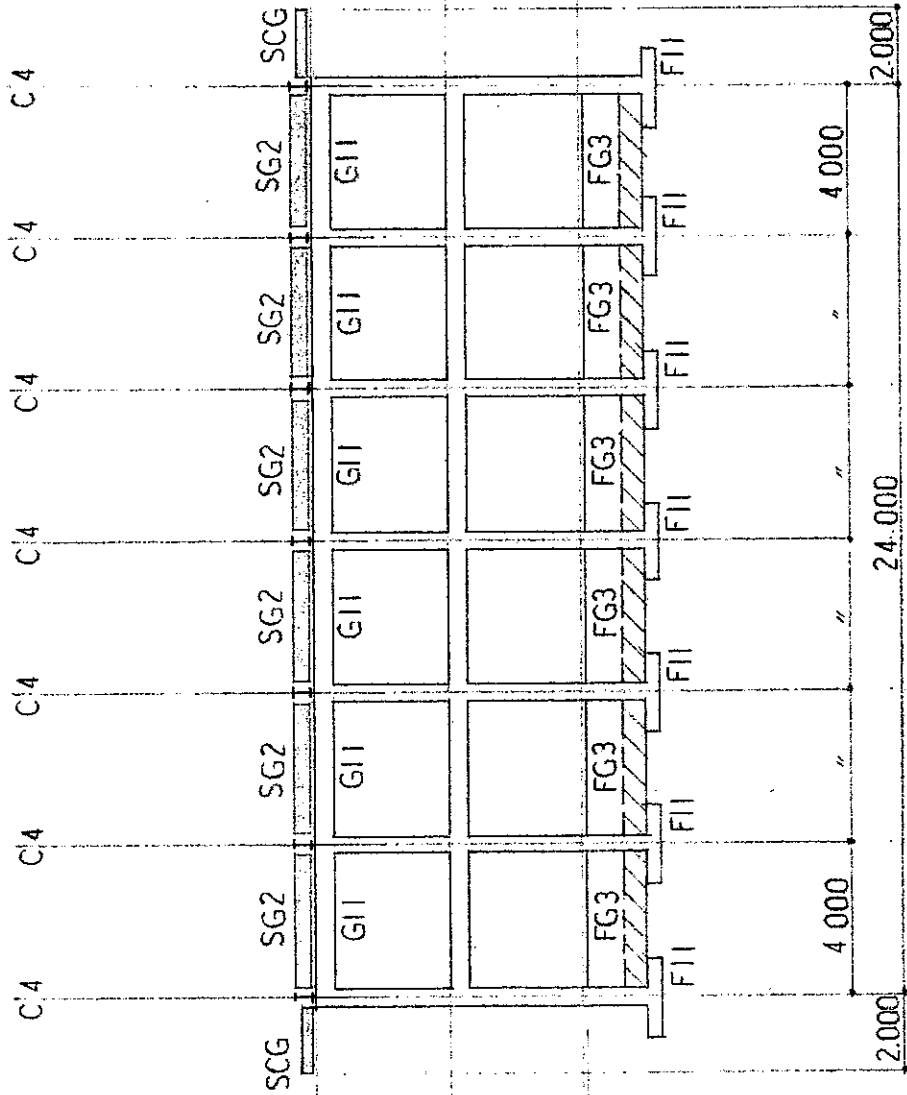






KTN-96





- 4
- 5
- 7
- 8
- 9
- 10
- 11

A - FRAMING ELEVATION S = 1:200



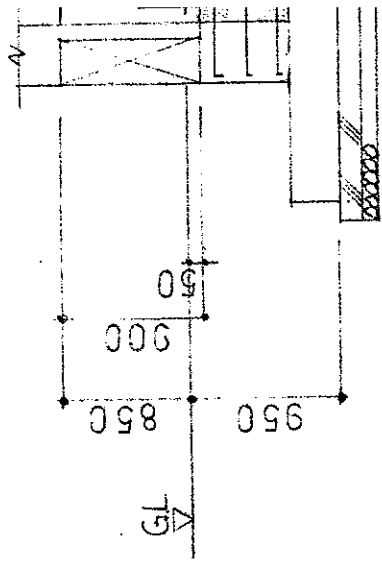
INVENTORY	A	D	H	a	b
F1	3,800	3,800	500	20-D19	20-D19
F2	3,300	3,300	500	17-D19	17-D19
F3	3,100	3,100	500	16-D19	16-D19
F4	2,800	2,800	400	14-D19	14-D19
F5	2,600	2,600	400	13-D16	13-D16
F6	2,700	4,500	500	16-D22	22-D16
F7	2,500	3,200	400	12-D19	16-D16
F8	2,000	3,500	400	12-D19	18-D16
F9	2,000	3,000	350	16-D16	16-D16
F10	2,000	2,600	350	14-D16	14-D16
F11	2,200	2,200	300	12-D16	12-D16
F12	2,000	2,000	300	12-D16	12-D16
F13	1,800	1,800	300	11-D16	11-D16
F14	1,500	1,500	250	8-D13	8-D13
F15	1,200	1,200	250	7-D13	7-D13
F16	1,100	6,600	250	10-D16	D13 @ 200

A

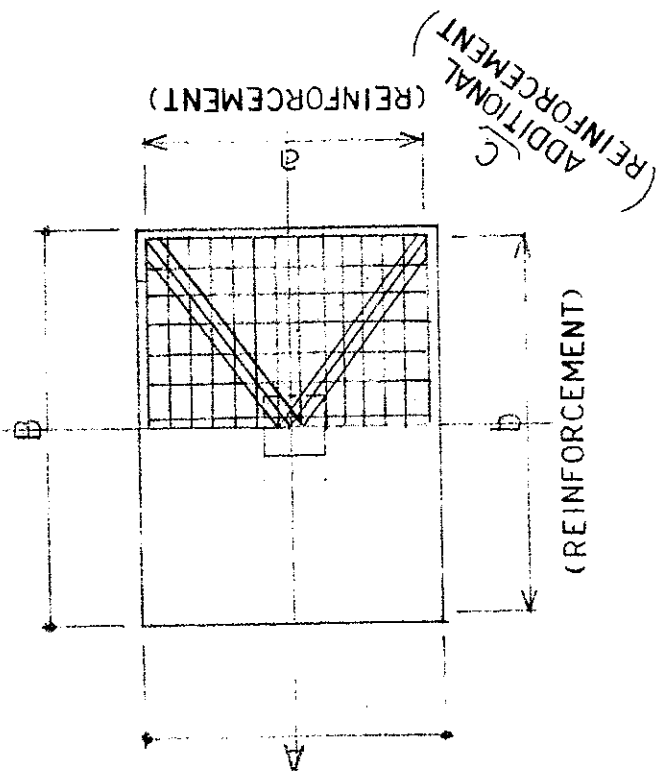
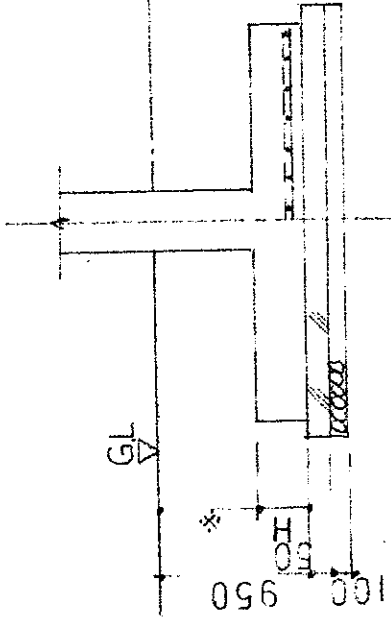
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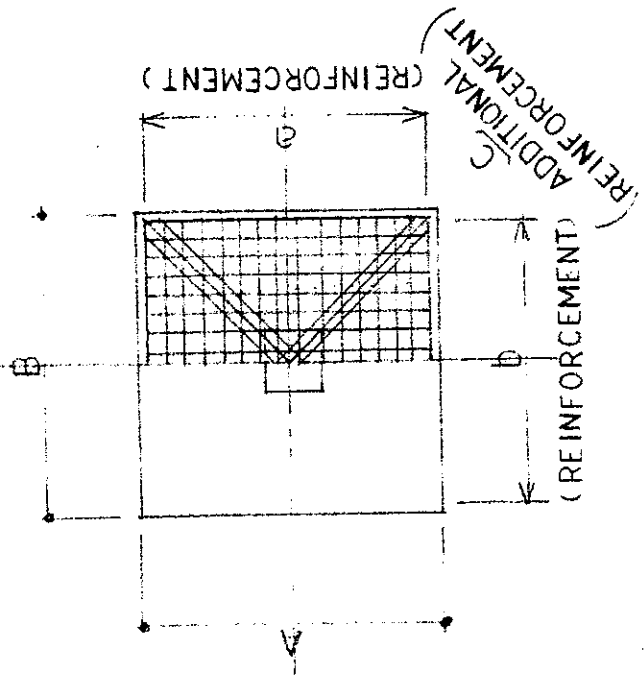
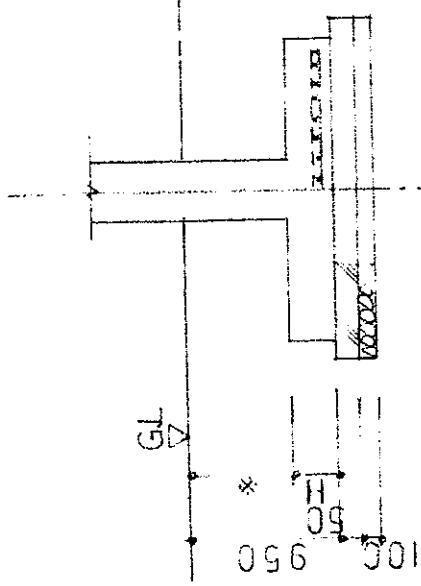
ADDITIONAL C



RECTANGULAR FOOTING



SQUARE FOOTING



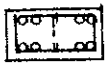
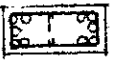
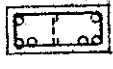
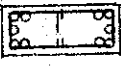
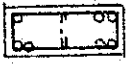

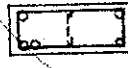
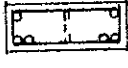
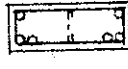
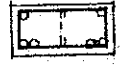
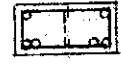

SPECIAL MENTION MATTER

STIRRUP : □ D10 @ 200  
 WEB REINFORCEMENT : 4 - D10  
 SPACING BAR : □ D10 @ 1000

S = 1 : 40

UNDERGROUND GIRDER LIST

NUMBER	FG1		FG2	FG3 · FB2		FG4
	OE	C · IE		E · C	O · E	
B X D	300 x 900		300 x 900	250 x 900		400 x 900
MAIN REINFORCEMENT	D25 · D22		D22	D22		D22
TOP BAR	6 - D25 4 - C25		3	2		4
BOTTOM BAR	3 - D22 3 - D22		3	2		4
STIRRUP	□ - D13 @ 200					□ - D13 @ 200
SPACING BAR						

2	3	4	3	3	2
4	3	4	3	3	2
901	□ - D10 @ 150				
					
250 x 500	250 x 550		250 x 650		200 x 300
D22	D22		D22		D16
4	5	3	5	3	2
4	5	3	5	4	2
□ - D10 @ 200	□ - D10 @ 150				
					
250 x 650	250 x 650		250 x 550		200 x 300
D22	D22		D22		D16
3	3	3	3	2	2
2	3	3	3	2	2
□ - D10 @ 150	□ - D10 @ 200				

2 FLOOR

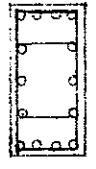
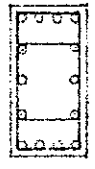
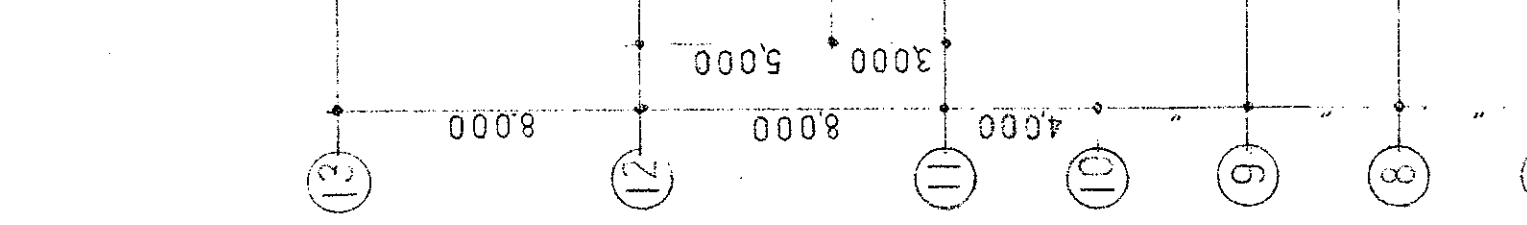
KIN-101

SLAB LIST

S = 1: 40

NUMBER	S1	S2	S3
DIRECTION	SHORT DIRECTION	SHORT DIRECTION	SHORT DIRECTION
SECTION	<p>D10@200 L10@200 120</p>	<p>D10@200 L10@250 120</p>	<p>D10-D13@200 D10@200 L-D10@200 120</p>
NUMBER	FS1	FS2	
DIRECTION	SHORT DIRECTION	SHORT DIRECTION	SHORT DIRECTION
SECTION	<p>D19@150 D19@150 D16@200 L-D19@200 300 60</p>	<p>D16@200 L-D16@200 300 60</p>	

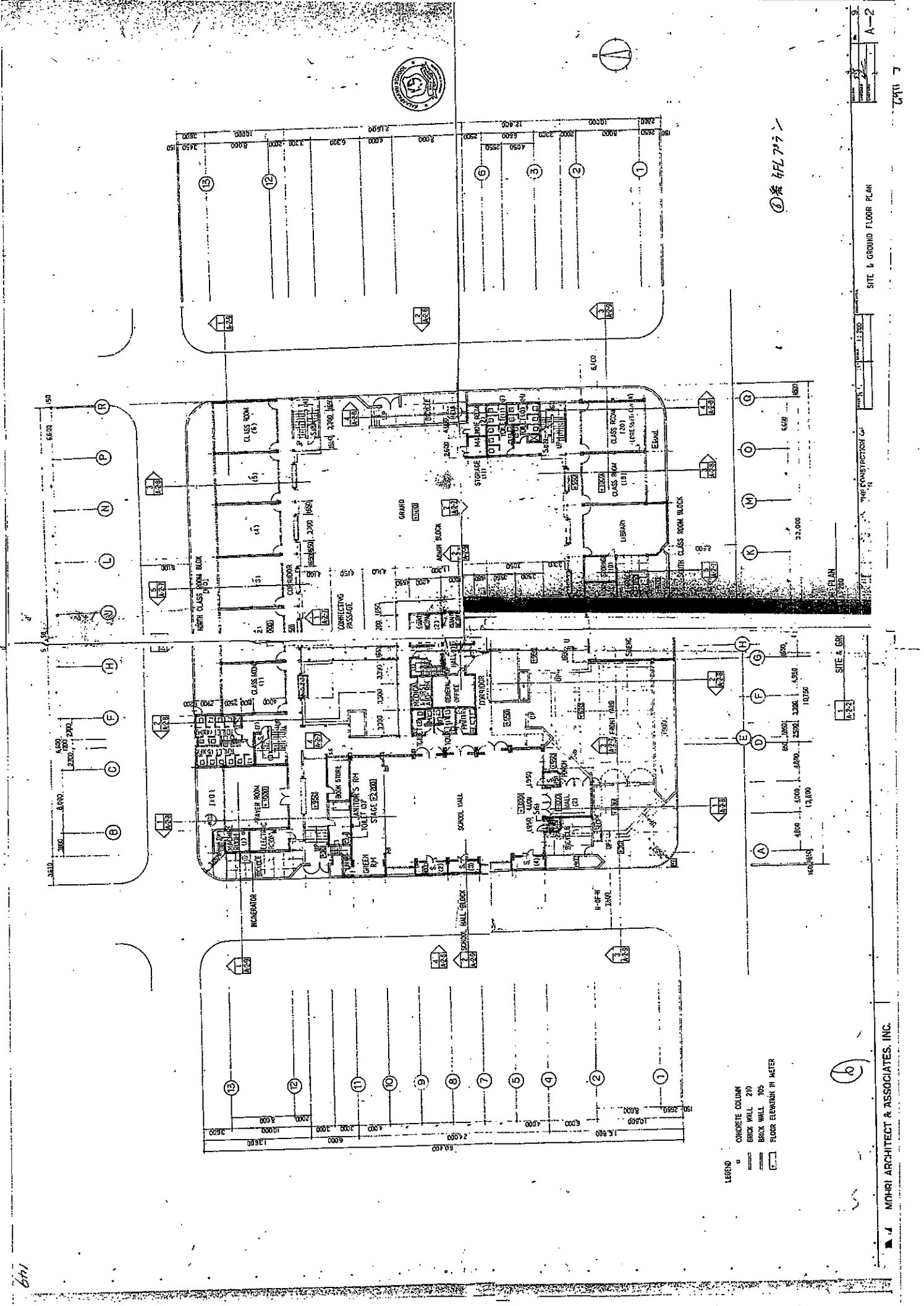
00	300 x 300	200 x 200			
-D13	°4-D22	4-D13			
150	□-D6@150	□-D6@100			
600	◇-D6@600				
00	300 x 500	200 x 200			
-D16	°4-D22	4-D13			
150	□-D6@150	□-D6@100			
600	◇-D6@600				
00	500 x 300	200 x 200			
-D16	°4-D22	4-D19			
50	□-D6@150	□-D6@150			
600	◇-D6@600				



1 Floor

C3  
C4  
0  
C5

KTN-103



① 表 HFL 7-1-1

SITE II. GROUND FLOOR PLAN

SCALE: 1/8" = 1'-0"

DATE: 11-20-64

BY: MOHRI ARCHITECT & ASSOCIATES, INC.

MOHRI ARCHITECT & ASSOCIATES, INC.

- LEGEND
- CONCRETE COLUMN
  - BRICK WALL 210
  - ▨ BRICK WALL 105
  - FLOOR ELEVATION IN METER

(b)

KT.N-104



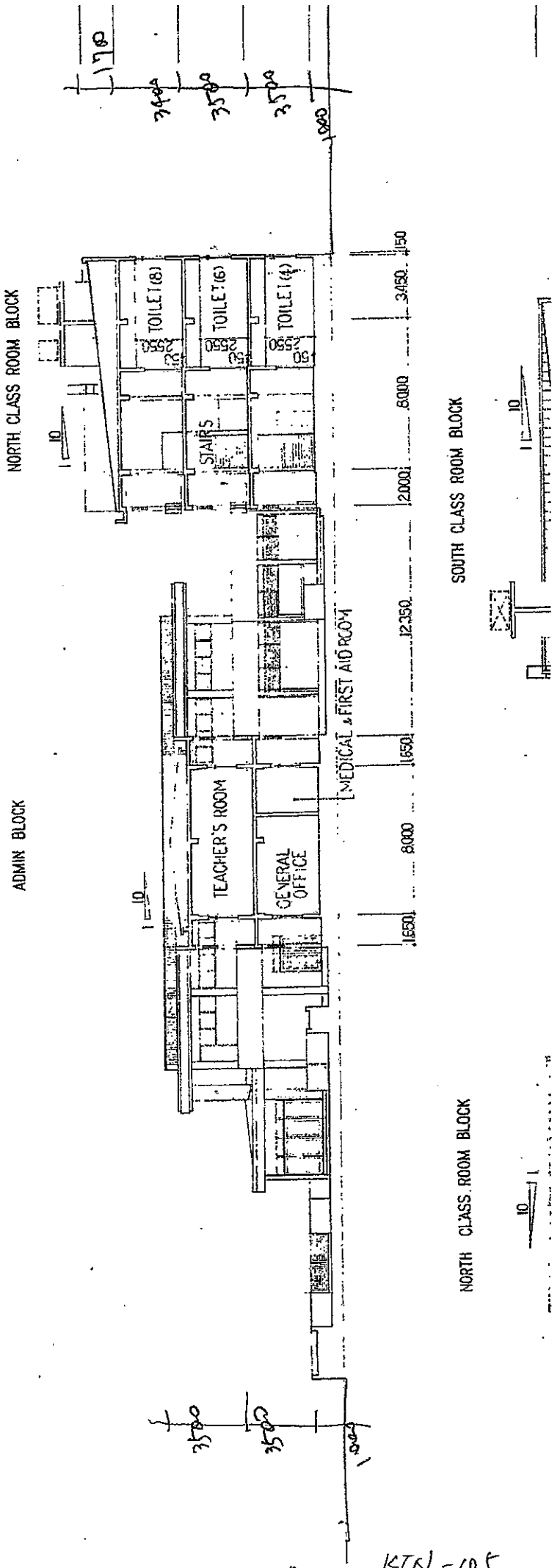
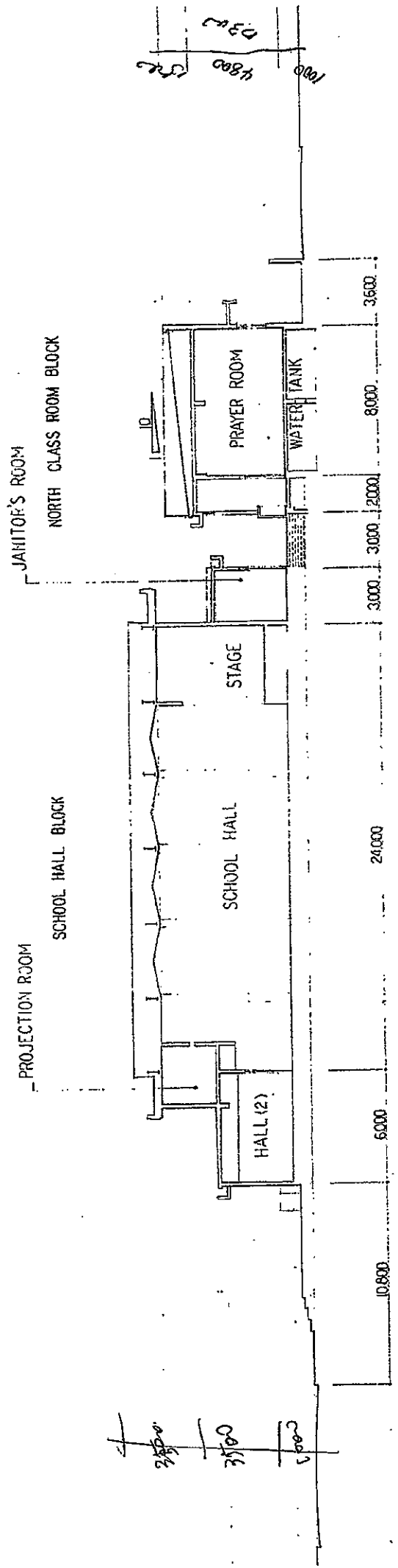
7 1162

b71



02/

6# 北向南



KTN-105

No. 7.

Center for Social Education

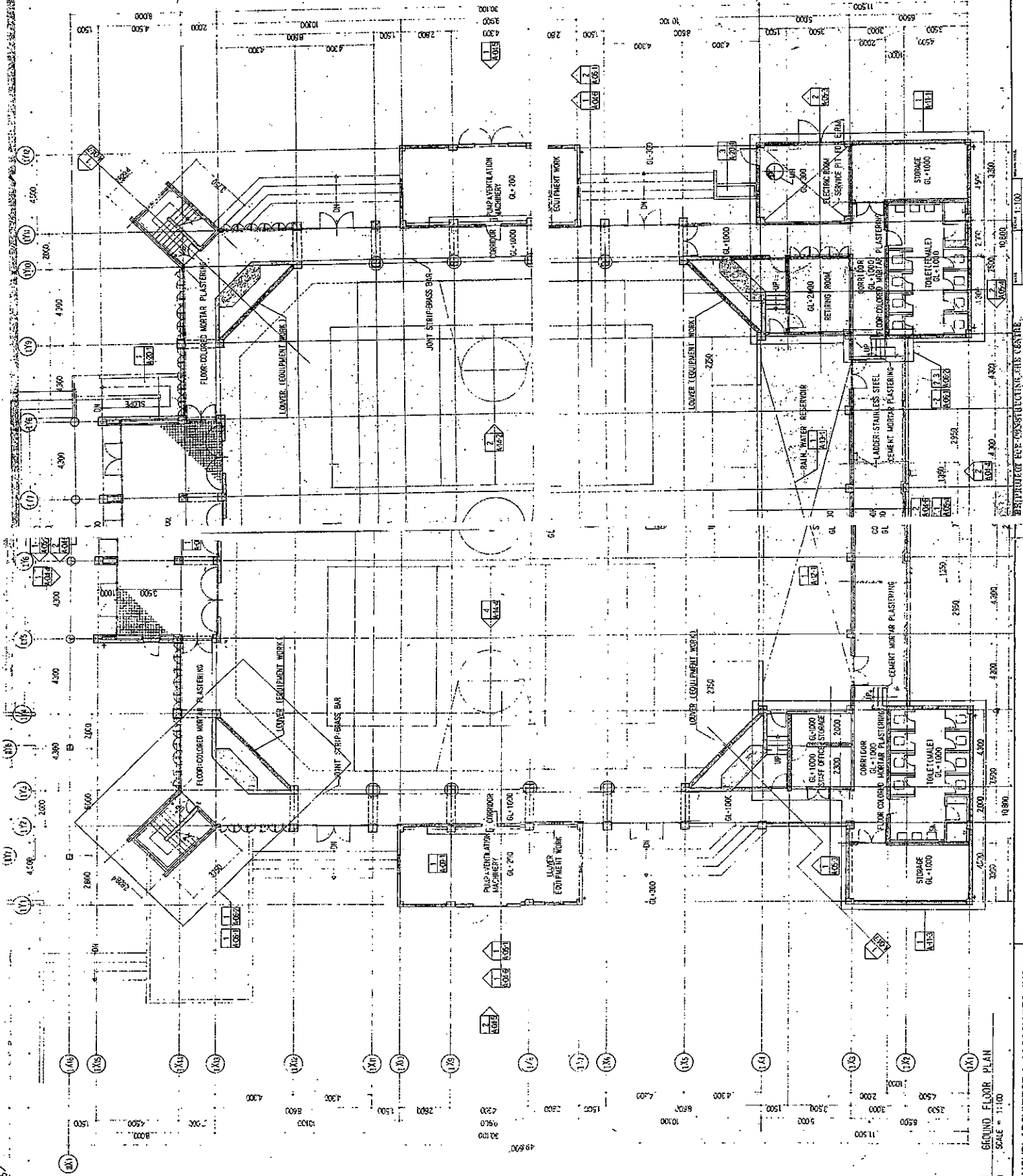
- PV panel and support frame : Weight is  $0.5\text{kN/m}^2$
- Sub beam and Truss are confirmed with the existen member.
- There is no problem in the safety because additional weight is  $0.5\text{kN/m}^2$  with the main structure member.

11-2 Examination of the existent Building



1. As-Build DWG.

GFL  
Plan

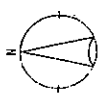


GROUND FLOOR PLAN  
SCALE = 1:100

100-1

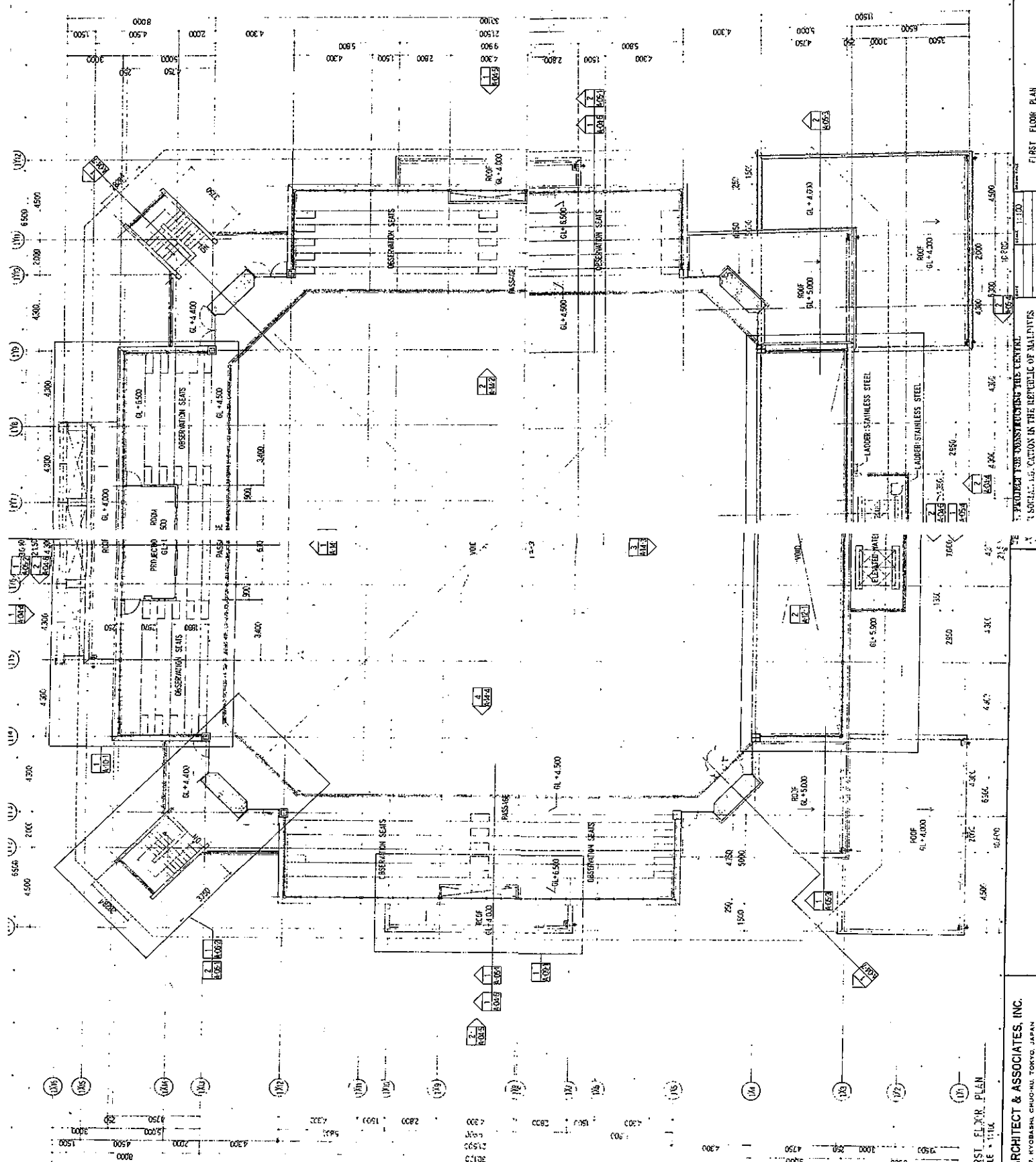
11-4

ENTRANCE FOR CONSTRUCTING SITE CENTRE.



Handwritten notes: 1-1, 1-2, 1-3

DATE: 97.3.16  
No. 11  
A-04-2



FIRST FLOOR PLAN

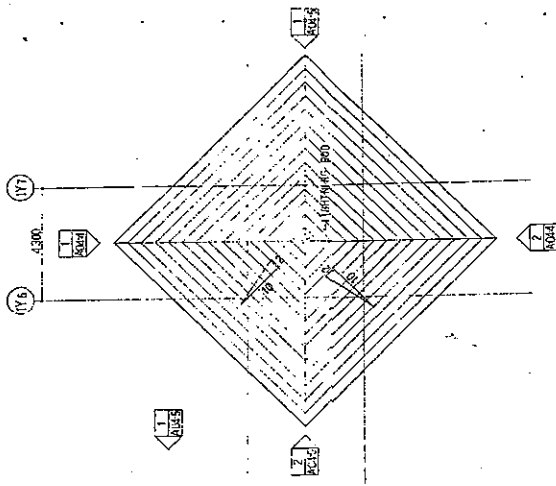
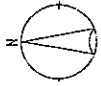
PROJ. FOR ROSS KINOSHITA CENTRAL  
SHELL, I.S. CANTON IN THE REPUBLIC OF MALAYSIA

FIRST FLOOR PLAN  
SCALE: 1:100

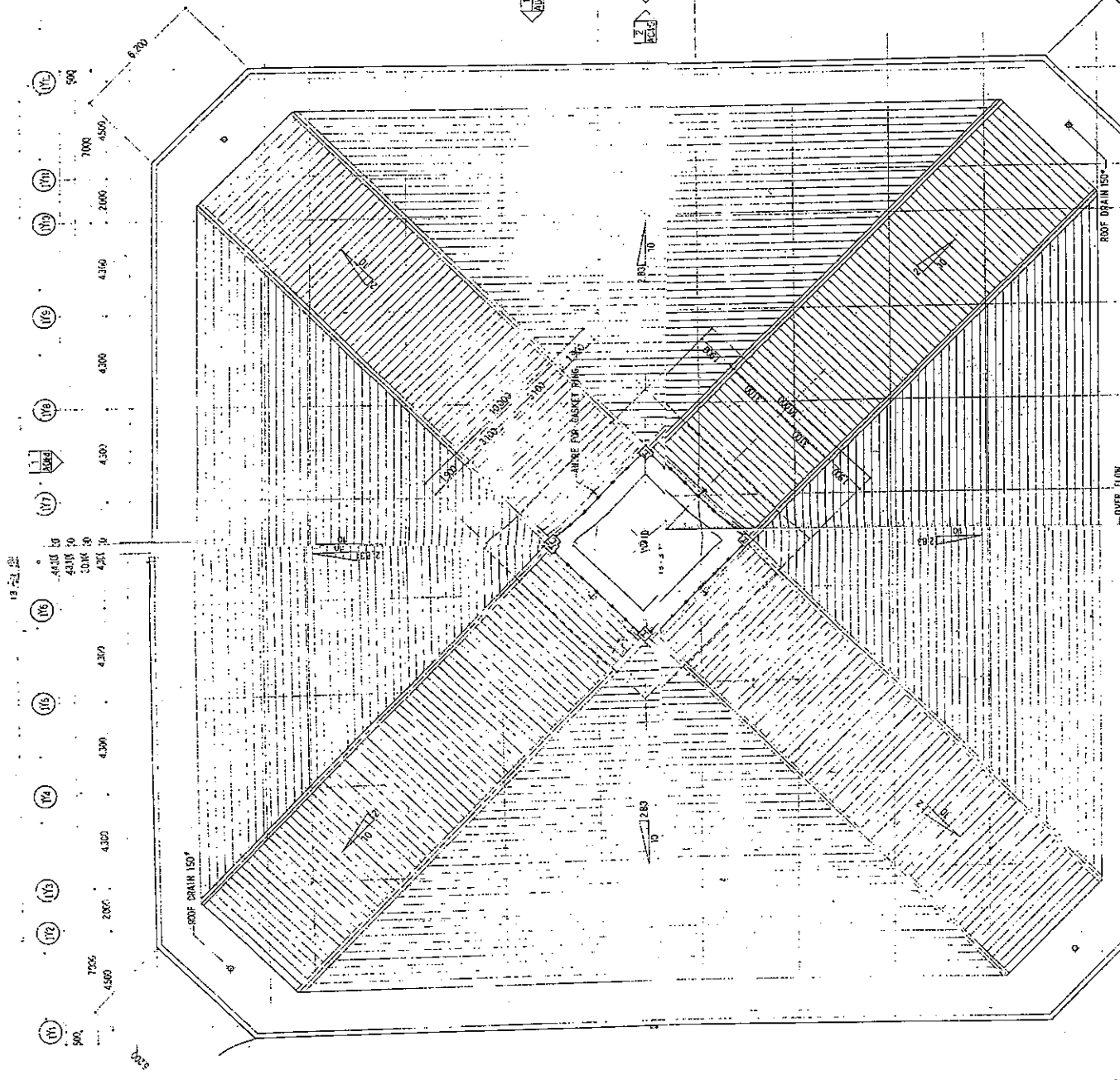
MOHRI ARCHITECT & ASSOCIATES, INC.  
3-1-17, KYOBASHI CHUOH-KU, TOKYO, JAPAN

SC-2

19-21-22



Roof plan



19-21-22  
ADD BY  
4/11/70  
20/8/80

Grid line elevations:  
111 4.300  
112 4.300  
113 4.300  
114 4.300  
115 4.300  
116 4.300  
117 4.300  
118 4.300

Grid line elevations:  
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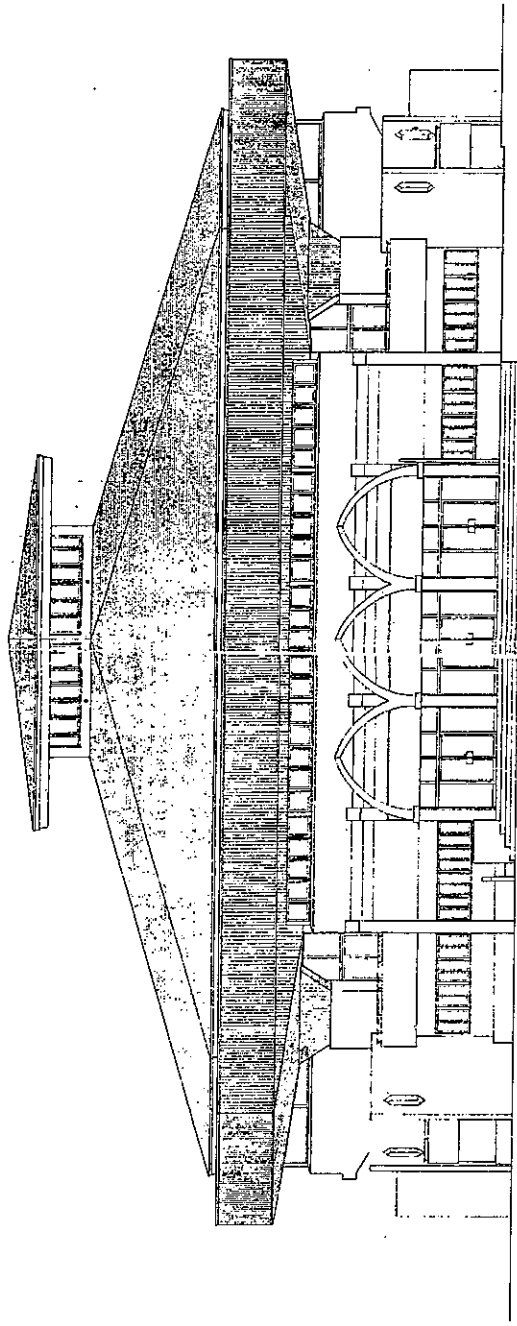
154

SC-3

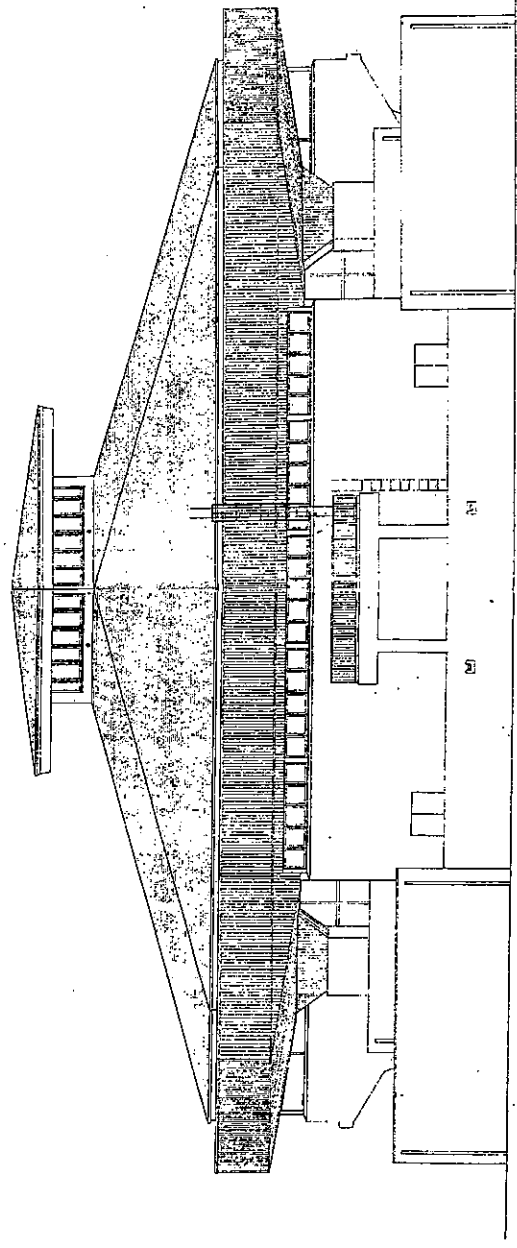
14-2

14-2

14-2



1 NORTH ELEVATION  
SCALE 1/80



2 SOUTH ELEVATION  
SCALE 1/80

151

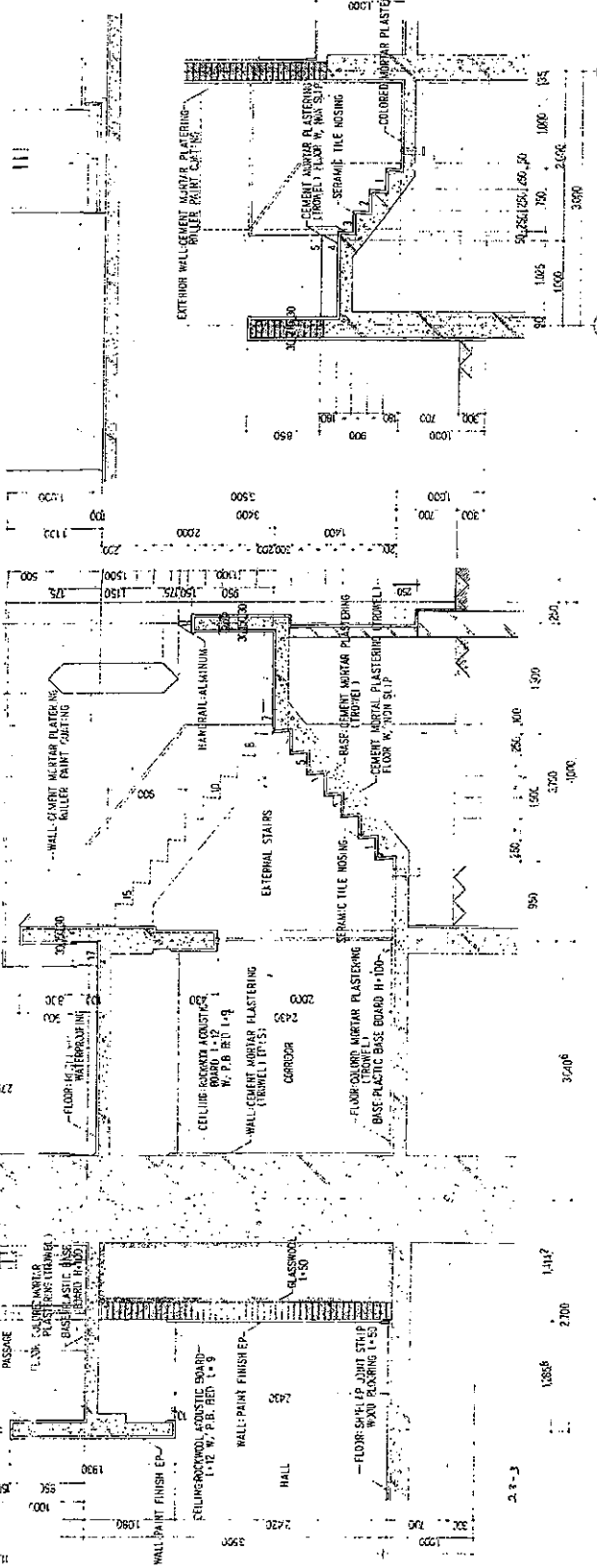
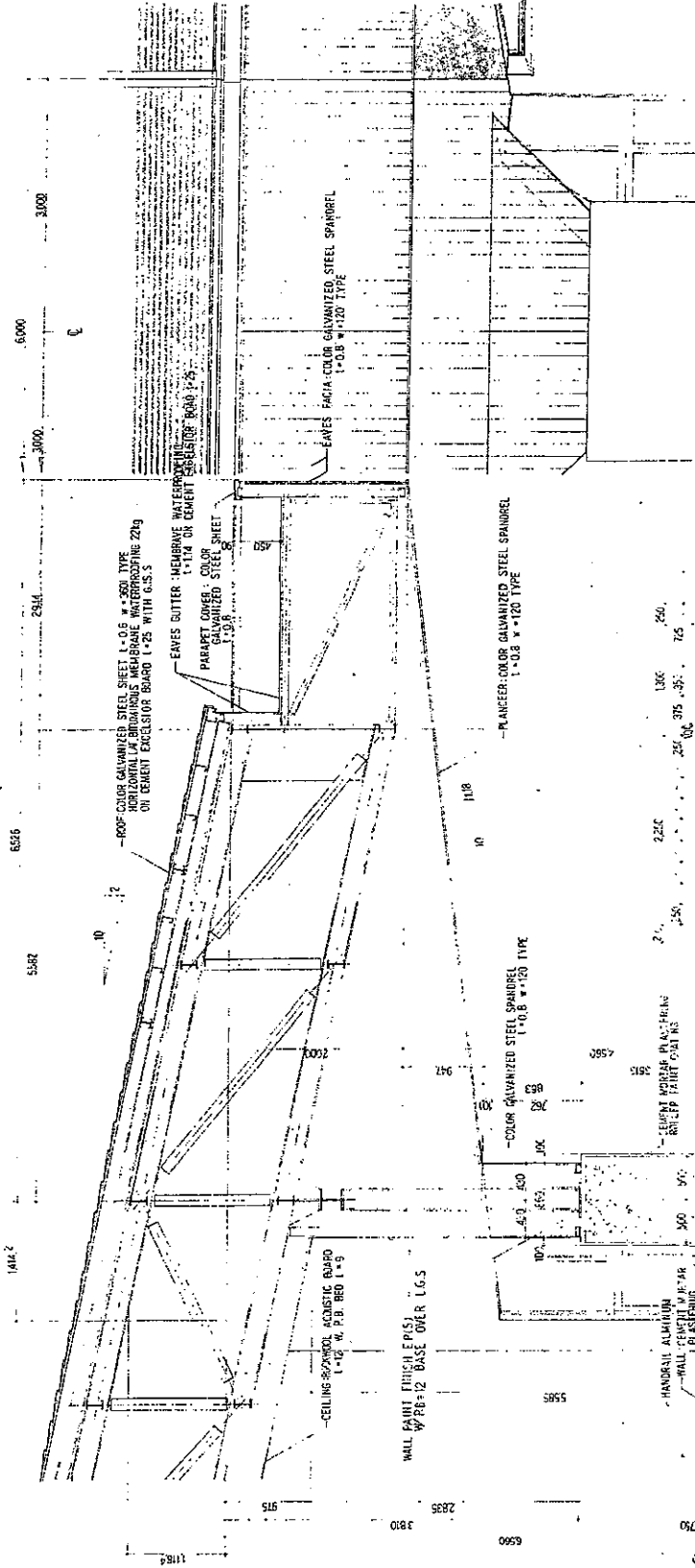
151





171

23-1



MOHRI ARCHITECT & ASSOCIATES, INC.  
 1000 N. 10TH STREET, SUITE 100  
 DENVER, CO 80202  
 PHONE: 303.733.1111  
 FAX: 303.733.1112  
 WWW.MOHRIARCHITECT.COM

114 STAIRS DETAIL SECTION  
 SCALE: 1/8" = 1'-0"

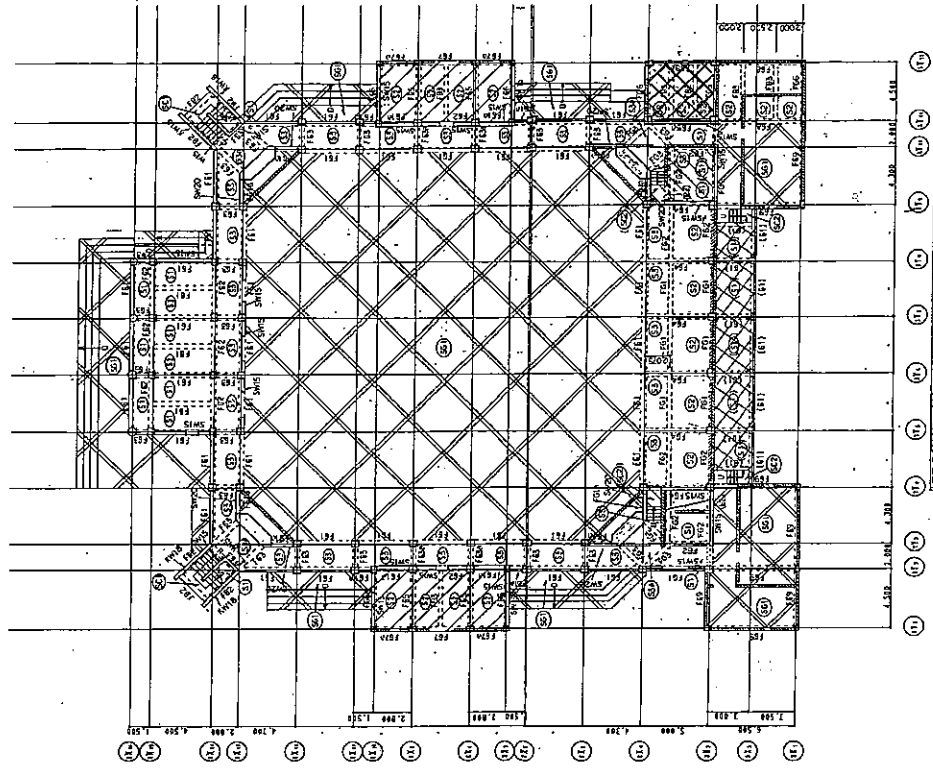
115 STAIRS DETAIL SECTION  
 SCALE: 1/8" = 1'-0"

117 EXTERNAL STAIRS DETAIL SECTION  
 SCALE: 1/8" = 1'-0"

MOHRI ARCHITECT & ASSOCIATES, INC.  
 1000 N. 10TH STREET, SUITE 100  
 DENVER, CO 80202  
 PHONE: 303.733.1111  
 FAX: 303.733.1112  
 WWW.MOHRIARCHITECT.COM

SC-6

1.6



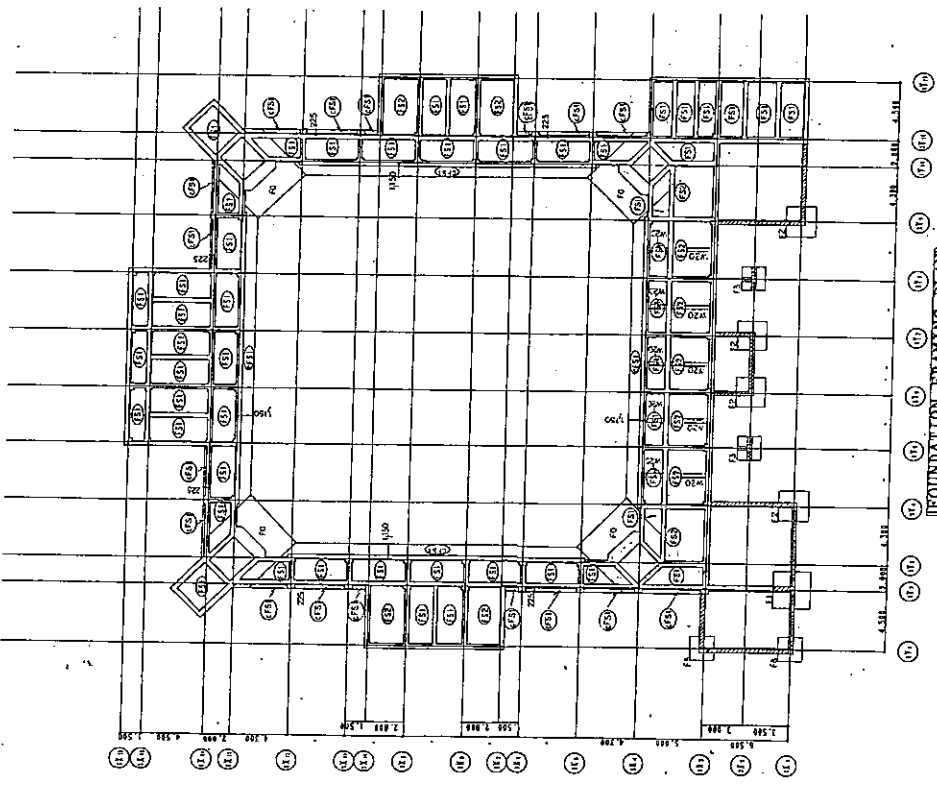
**GROUND FLOOR FRAMING PLAN**

- NOTES
1. TOP LEVEL OF THE SLAB C.F.L. - 59
  2. --- INDICATES REINFORCED CONCRETE WALL.
  3. - - - - - INDICATES BRICK WALL OF 15"
  4. [Hatched pattern] INDICATES SLAB-ON-GRADE OF 6"
  5. [Diagonal hatching] INDICATES THAT TOP LEVEL OF THE SLAB IS C.F.L. + 970.
  6. [Cross-hatching] INDICATES THAT TOP LEVEL OF THE SLAB IS C.F.L. + 870.
  7. [Dotted pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS C.F.L. + 770.
  8. [Vertical hatching] INDICATES THAT TOP LEVEL OF THE SLAB IS C.F.L. + 830.
  9. ( ) INDICATES THAT THE MEMBER IS LOCATED AT HIGHER LEVEL THAN C.F.L.
- LEGENDS

SC-7

DATE: 11/13/13  
 MOHRI ARCHITECT & ASSOCIATES INC.

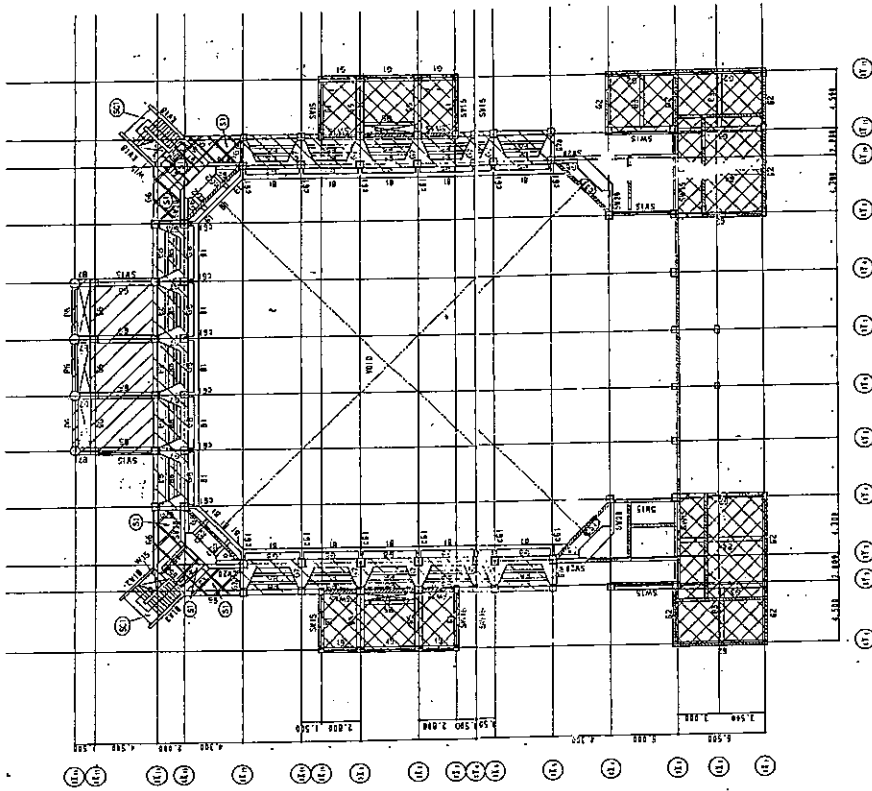
1.51



**FOUNDATION FRAMING PLAN**

- NOTES
1. BOTTOM LEVEL OF THE FOUNDATION C.L. - 1500
- LEGENDS
1. [Hatched pattern] INDICATES ADDITIONAL CONCRETE.

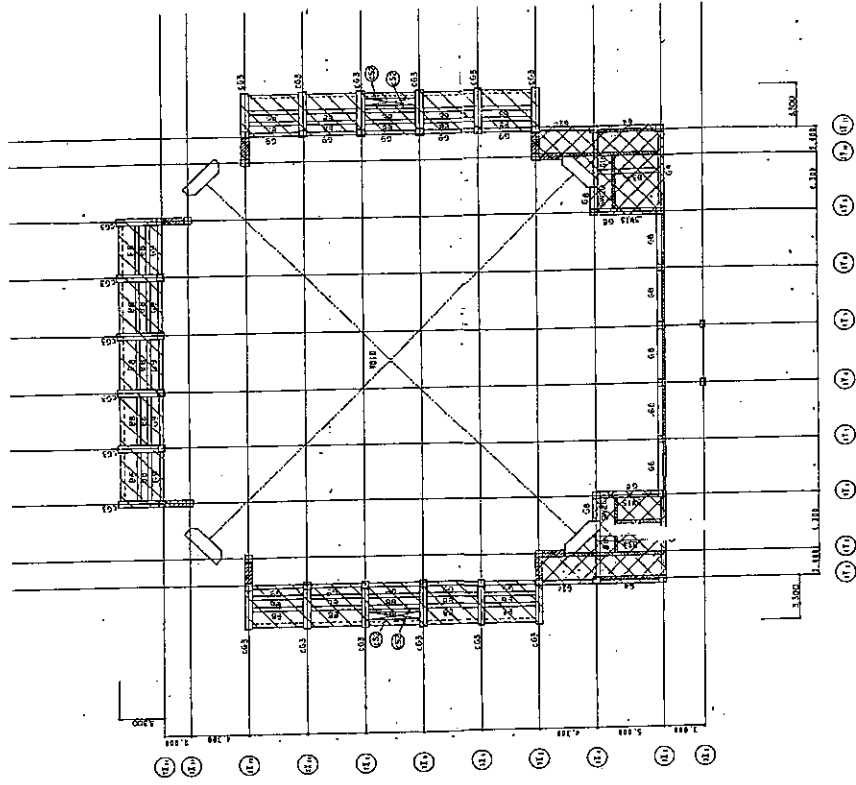
SC-7



**FIRST FLOOR FRAMING PLAN**

- NOTES**
1. TOP LEVEL OF THE SLAB IF L.L. - 30
  2. SLAB

- LEGENDS**
1. [Hatched pattern] INDICATES BRICK WALL OF 400
  2. [Hatched pattern] INDICATES REINFORCED CONCRETE WALL.
  3. [Hatched pattern] INDICATES ADDITIONAL CONCRETE.
  4. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS IF.L.L. - 0.
  5. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS IF.L.L. - 150.
  6. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS IF.L.L. - 300.
  7. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS HIGHER THAN IF.L.L. (REFER TO THE DESIGN DRAWINGS.)

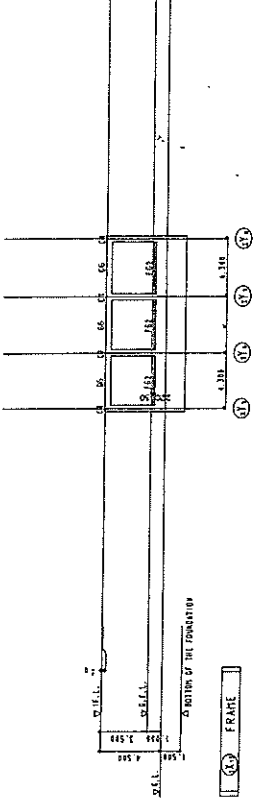
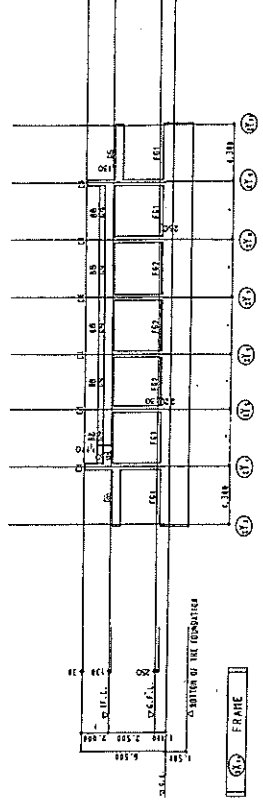
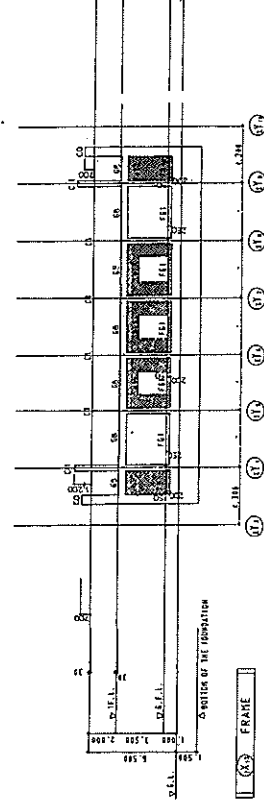
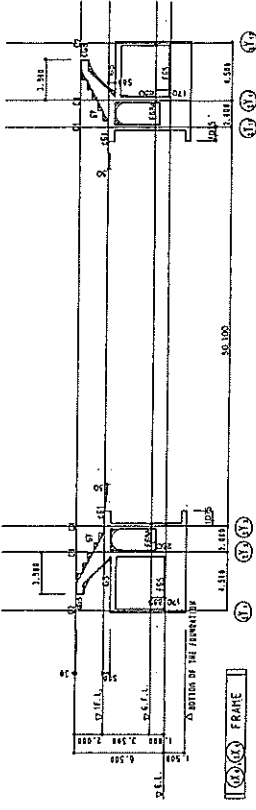
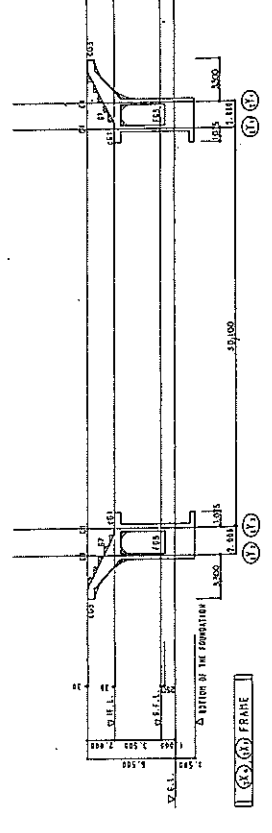
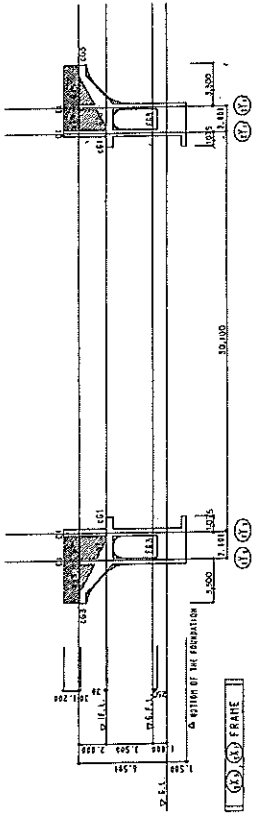
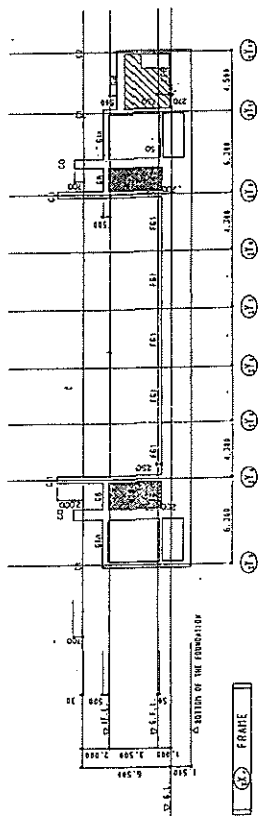
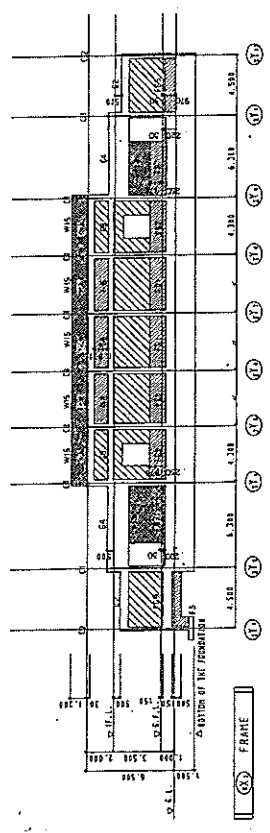
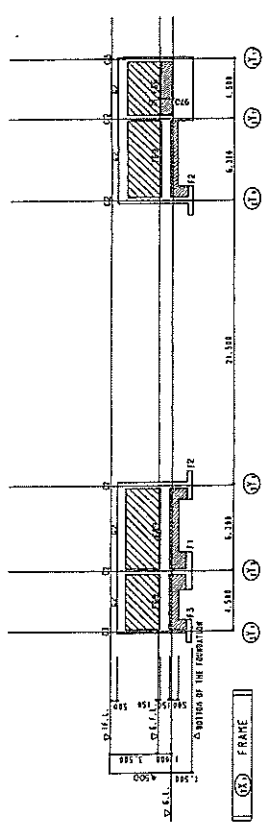


**GROUND FLOOR + 4000 LEVEL FRAMING PLAN**

- NOTES**
1. SLAB

- LEGENDS**
1. [Hatched pattern] INDICATES BRICK WALL OF 400
  2. [Hatched pattern] INDICATES REINFORCED CONCRETE WALL.
  3. [Hatched pattern] INDICATES ADDITIONAL CONCRETE.
  4. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS IF.L.L. - 300.
  5. [Hatched pattern] INDICATES THAT TOP LEVEL OF THE SLAB IS HIGHER THAN IF.L.L. (REFER TO THE DESIGN DRAWINGS.)

SC-8  
 ASHLEY T. DWG.  
 11/15/13



LEGENDA

- 1. INDICATES BRICK WALL OF 623
- 2. INDICATES BRICKWORK CONCRETE WALL.
- 3. INDICATES ADDITIONAL CONCRETE.

SC-9

DATE: 9.7.15

BY: [Signature]

CHK: [Signature]

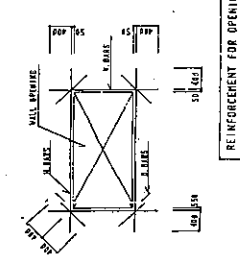


12

<b>COLUMN SCHEDULE</b> S=1/50	<b>NOTE</b> : UNLESS OTHERWISE NOTED, HOOP, D-Y12@150	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C70	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C91	C92	C93	C94	C95	C96	C97	C98	C99	C100	C101	C102	C103	C104	C105	C106	C107	C108	C109	C110	C111	C112	C113	C114	C115	C116	C117	C118	C119	C120	C121	C122	C123	C124	C125	C126	C127	C128	C129	C130	C131	C132	C133	C134	C135	C136	C137	C138	C139	C140	C141	C142	C143	C144	C145	C146	C147	C148	C149	C150	C151	C152	C153	C154	C155	C156	C157	C158	C159	C160	C161	C162	C163	C164	C165	C166	C167	C168	C169	C170	C171	C172	C173	C174	C175	C176	C177	C178	C179	C180	C181	C182	C183	C184	C185	C186	C187	C188	C189	C190	C191	C192	C193	C194	C195	C196	C197	C198	C199	C200	C201	C202	C203	C204	C205	C206	C207	C208	C209	C210	C211	C212	C213	C214	C215	C216	C217	C218	C219	C220	C221	C222	C223	C224	C225	C226	C227	C228	C229	C230	C231	C232	C233	C234	C235	C236	C237	C238	C239	C240	C241	C242	C243	C244	C245	C246	C247	C248	C249	C250	C251	C252	C253	C254	C255	C256	C257	C258	C259	C260	C261	C262	C263	C264	C265	C266	C267	C268	C269	C270	C271	C272	C273	C274	C275	C276	C277	C278	C279	C280	C281	C282	C283	C284	C285	C286	C287	C288	C289	C290	C291	C292	C293	C294	C295	C296	C297	C298	C299	C300	C301	C302	C303	C304	C305	C306	C307	C308	C309	C310	C311	C312	C313	C314	C315	C316	C317	C318	C319	C320	C321	C322	C323	C324	C325	C326	C327	C328	C329	C330	C331	C332	C333	C334	C335	C336	C337	C338	C339	C340	C341	C342	C343	C344	C345	C346	C347	C348	C349	C350	C351	C352	C353	C354	C355	C356	C357	C358	C359	C360	C361	C362	C363	C364	C365	C366	C367	C368	C369	C370	C371	C372	C373	C374	C375	C376	C377	C378	C379	C380	C381	C382	C383	C384	C385	C386	C387	C388	C389	C390	C391	C392	C393	C394	C395	C396	C397	C398	C399	C400	C401	C402	C403	C404	C405	C406	C407	C408	C409	C410	C411	C412	C413	C414	C415	C416	C417	C418	C419	C420	C421	C422	C423	C424	C425	C426	C427	C428	C429	C430	C431	C432	C433	C434	C435	C436	C437	C438	C439	C440	C441	C442	C443	C444	C445	C446	C447	C448	C449	C450	C451	C452	C453	C454	C455	C456	C457	C458	C459	C460	C461	C462	C463	C464	C465	C466	C467	C468	C469	C470	C471	C472	C473	C474	C475	C476	C477	C478	C479	C480	C481	C482	C483	C484	C485	C486	C487	C488	C489	C490	C491	C492	C493	C494	C495	C496	C497	C498	C499	C500	C501	C502	C503	C504	C505	C506	C507	C508	C509	C510	C511	C512	C513	C514	C515	C516	C517	C518	C519	C520	C521	C522	C523	C524	C525	C526	C527	C528	C529	C530	C531	C532	C533	C534	C535	C536	C537	C538	C539	C540	C541	C542	C543	C544	C545	C546	C547	C548	C549	C550	C551	C552	C553	C554	C555	C556	C557	C558	C559	C560	C561	C562	C563	C564	C565	C566	C567	C568	C569	C570	C571	C572	C573	C574	C575	C576	C577	C578	C579	C580	C581	C582	C583	C584	C585	C586	C587	C588	C589	C590	C591	C592	C593	C594	C595	C596	C597	C598	C599	C600	C601	C602	C603	C604	C605	C606	C607	C608	C609	C610	C611	C612	C613	C614	C615	C616	C617	C618	C619	C620	C621	C622	C623	C624	C625	C626	C627	C628	C629	C630	C631	C632	C633	C634	C635	C636	C637	C638	C639	C640	C641	C642	C643	C644	C645	C646	C647	C648	C649	C650	C651	C652	C653	C654	C655	C656	C657	C658	C659	C660	C661	C662	C663	C664	C665	C666	C667	C668	C669	C670	C671	C672	C673	C674	C675	C676	C677	C678	C679	C680	C681	C682	C683	C684	C685	C686	C687	C688	C689	C690	C691	C692	C693	C694	C695	C696	C697	C698	C699	C700	C701	C702	C703	C704	C705	C706	C707	C708	C709	C710	C711	C712	C713	C714	C715	C716	C717	C718	C719	C720	C721	C722	C723	C724	C725	C726	C727	C728	C729	C730	C731	C732	C733	C734	C735	C736	C737	C738	C739	C740	C741	C742	C743	C744	C745	C746	C747	C748	C749	C750	C751	C752	C753	C754	C755	C756	C757	C758	C759	C760	C761	C762	C763	C764	C765	C766	C767	C768	C769	C770	C771	C772	C773	C774	C775	C776	C777	C778	C779	C780	C781	C782	C783	C784	C785	C786	C787	C788	C789	C790	C791	C792	C793	C794	C795	C796	C797	C798	C799	C800	C801	C802	C803	C804	C805	C806	C807	C808	C809	C810	C811	C812	C813	C814	C815	C816	C817	C818	C819	C820	C821	C822	C823	C824	C825	C826	C827	C828	C829	C830	C831	C832	C833	C834	C835	C836	C837	C838	C839	C840	C841	C842	C843	C844	C845	C846	C847	C848	C849	C850	C851	C852	C853	C854	C855	C856	C857	C858	C859	C860	C861	C862	C863	C864	C865	C866	C867	C868	C869	C870	C871	C872	C873	C874	C875	C876	C877	C878	C879	C880	C881	C882	C883	C884	C885	C886	C887	C888	C889	C890	C891	C892	C893	C894	C895	C896	C897	C898	C899	C900	C901	C902	C903	C904	C905	C906	C907	C908	C909	C910	C911	C912	C913	C914	C915	C916	C917	C918	C919	C920	C921	C922	C923	C924	C925	C926	C927	C928	C929	C930	C931	C932	C933	C934	C935	C936	C937	C938	C939	C940	C941	C942	C943	C944	C945	C946	C947	C948	C949	C950	C951	C952	C953	C954	C955	C956	C957	C958	C959	C960	C961	C962	C963	C964	C965	C966	C967	C968	C969	C970	C971	C972	C973	C974	C975	C976	C977	C978	C979	C980	C981	C982	C983	C984	C985	C986	C987	C988	C989	C990	C991	C992	C993	C994	C995	C996	C997	C998	C999	C1000	C1001	C1002	C1003	C1004	C1005	C1006	C1007	C1008	C1009	C1010	C1011	C1012	C1013	C1014	C1015	C1016	C1017	C1018	C1019	C1020	C1021	C1022	C1023	C1024	C1025	C1026	C1027	C1028	C1029	C1030	C1031	C1032	C1033	C1034	C1035	C1036	C1037	C1038	C1039	C1040	C1041	C1042	C1043	C1044	C1045	C1046	C1047	C1048	C1049	C1050	C1051	C1052	C1053	C1054	C1055	C1056	C1057	C1058	C1059	C1060	C1061	C1062	C1063	C1064	C1065	C1066	C1067	C1068	C1069	C1070	C1071	C1072	C1073	C1074	C1075	C1076	C1077	C1078	C1079	C1080	C1081	C1082	C1083	C1084	C1085	C1086	C1087	C1088	C1089	C1090	C1091	C1092	C1093	C1094	C1095	C1096	C1097	C1098	C1099	C1100	C1101	C1102	C1103	C1104	C1105	C1106	C1107	C1108	C1109	C1110	C1111	C1112	C1113	C1114	C1115	C1116	C1117	C1118	C1119	C1120	C1121	C1122	C1123	C1124	C1125	C1126	C1127	C1128	C1129	C1130	C1131	C1132	C1133	C1134	C1135	C1136	C1137	C1138	C1139	C1140	C1141	C1142	C1143	C1144	C1145	C1146	C1147	C1148	C1149	C1150	C1151	C1152	C1153	C1154	C1155	C1156	C1157	C1158	C1159	C1160	C1161	C1162	C1163	C1164	C1165	C1166	C1167	C1168	C1169	C1170	C1171	C1172	C1173	C1174	C1175	C1176	C1177	C1178	C1179	C1180	C1181	C1182	C1183	C1184	C1185	C1186	C1187	C1188	C1189	C1190	C1191	C1192	C1193	C1194	C1195	C1196	C1197	C1198	C1199	C1200	C1201	C1202	C1203	C1204	C1205	C1206	C1207	C1208	C1209	C1210	C1211	C1212	C1213	C1214	C1215	C1216	C1217	C1218	C1219	C1220	C1221	C1222	C1223	C1224	C1225	C1226	C1227	C1228	C1229	C1230	C1231	C1232	C1233	C1234	C1235	C1236	C1237	C1238	C1239	C1240	C1241	C1242	C1243	C1244	C1245	C1246	C1247	C1248	C1249	C1250	C1251	C1252	C1253	C1254	C1255	C1256	C1257	C1258	C1259	C1260	C1261	C1262	C1263	C1264	C1265	C1266	C1267	C1268	C1269	C1270	C1271	C1272	C1273	C1274	C1275	C1276	C1277	C1278	C1279	C1280	C1281	C1282	C1283	C1284	C1285	C1286	C1287	C1288	C1289	C1290	C1291	C1292	C1293	C1294	C1295	C1296	C1297	C1298	C1299	C1300	C1301	C1302	C1303	C1304	C1305	C1306	C1307	C1308	C1309	C1310	C1311	C1312	C1313	C1314	C1315	C1316	C1317	C1318	C1319	C1320	C1321	C1322	C1323	C1324	C1325	C1326	C1327	C1328	C1329	C1330	C1331	C1332	C1333	C1334	C1335	C1336	C
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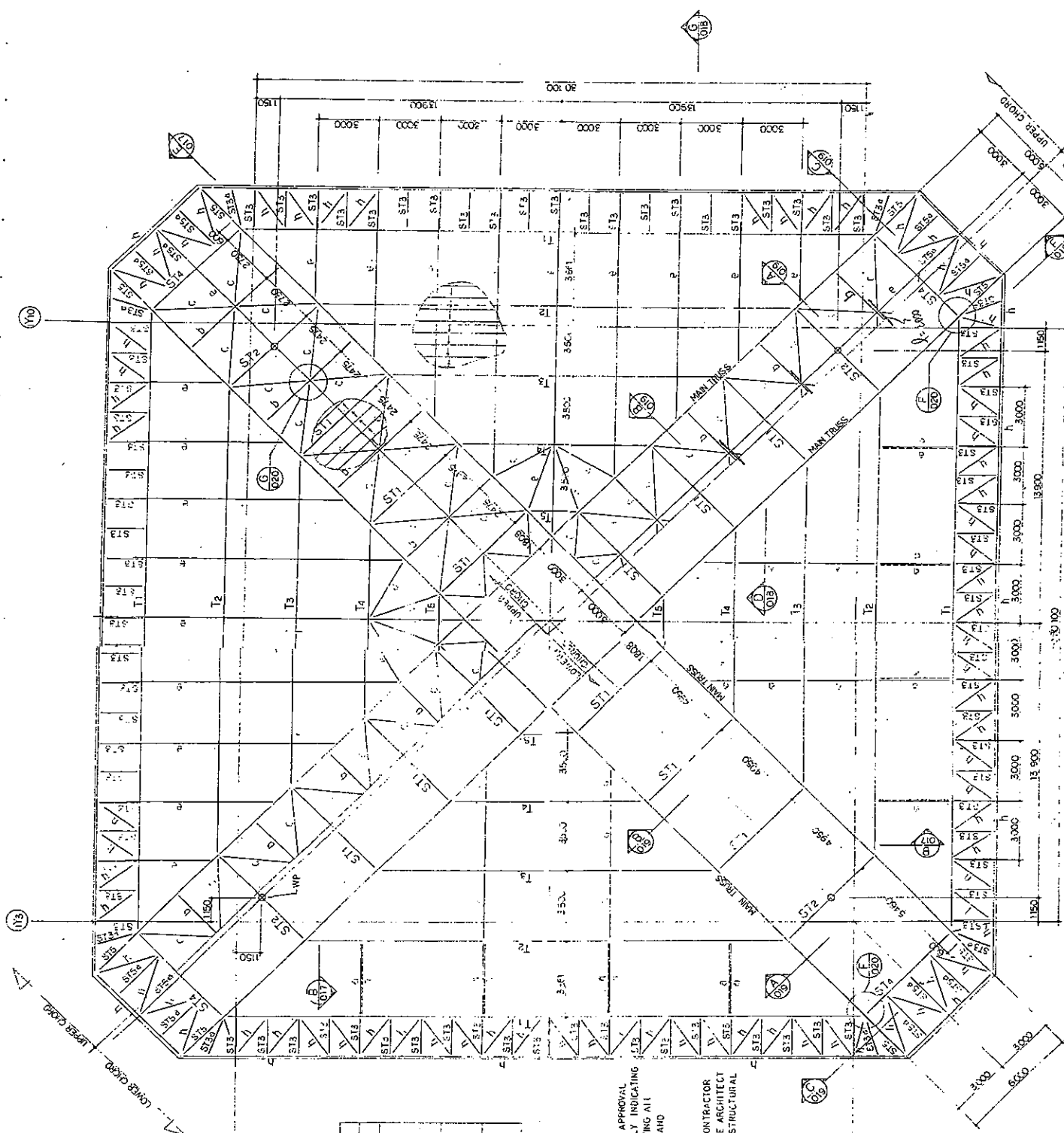
BEAM SCHEDULE S=1/50		NOTE: UNLESS OTHERWISE NOTED, 2 WEB BARS 2-T10		3. STIRRUPS INDICATES ADDITIONAL CONCRETE.		4. STIRRUPS D=10@200		5. STIRRUPS D=10@200		6. STIRRUPS D=10@200		7. STIRRUPS D=10@200		8. STIRRUPS D=10@200		9. STIRRUPS D=10@200		10. STIRRUPS D=10@200	
MARKS	POSITION	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68
THICKNESS	POSITION	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
SECTION																			
TOP BARS	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10
BOT. BARS	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10
STIRRUPS	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10
WEB BARS	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10	2-T10
NOTE:																			

SLAB SCHEDULE S=1/50		NOTE: UNLESS OTHERWISE NOTED, 1. BAR DOUBLE LAYER		WALL SCHEDULE S=1/50		NOTE: UNLESS OTHERWISE NOTED, 1. BAR DOUBLE LAYER	
MARKS	THICKNESS	POSITION	LONG SPAN	MARKS	THICKNESS	POSITION	LONG SPAN
S1	135	TOP BARS	110, 112@200	S1	135	TOP BARS	110, 112@200
S2	150	TOP BARS	110, 112@200	S2	150	TOP BARS	110, 112@200
S3	150	TOP BARS	110, 112@200	S3	150	TOP BARS	110, 112@200
S4	135	TOP BARS	110, 112@200	S4	135	TOP BARS	110, 112@200
S5	135	TOP BARS	110, 112@200	S5	135	TOP BARS	110, 112@200
S6	135	TOP BARS	110, 112@200	S6	135	TOP BARS	110, 112@200
S7	135	TOP BARS	110, 112@200	S7	135	TOP BARS	110, 112@200
S8	135	TOP BARS	110, 112@200	S8	135	TOP BARS	110, 112@200
S9	135	TOP BARS	110, 112@200	S9	135	TOP BARS	110, 112@200
S10	135	TOP BARS	110, 112@200	S10	135	TOP BARS	110, 112@200
S11	135	TOP BARS	110, 112@200	S11	135	TOP BARS	110, 112@200
S12	135	TOP BARS	110, 112@200	S12	135	TOP BARS	110, 112@200
S13	135	TOP BARS	110, 112@200	S13	135	TOP BARS	110, 112@200
S14	135	TOP BARS	110, 112@200	S14	135	TOP BARS	110, 112@200
S15	135	TOP BARS	110, 112@200	S15	135	TOP BARS	110, 112@200
S16	135	TOP BARS	110, 112@200	S16	135	TOP BARS	110, 112@200
S17	135	TOP BARS	110, 112@200	S17	135	TOP BARS	110, 112@200
S18	135	TOP BARS	110, 112@200	S18	135	TOP BARS	110, 112@200
S19	135	TOP BARS	110, 112@200	S19	135	TOP BARS	110, 112@200
S20	135	TOP BARS	110, 112@200	S20	135	TOP BARS	110, 112@200



SC-12  
Gibson

SC-12



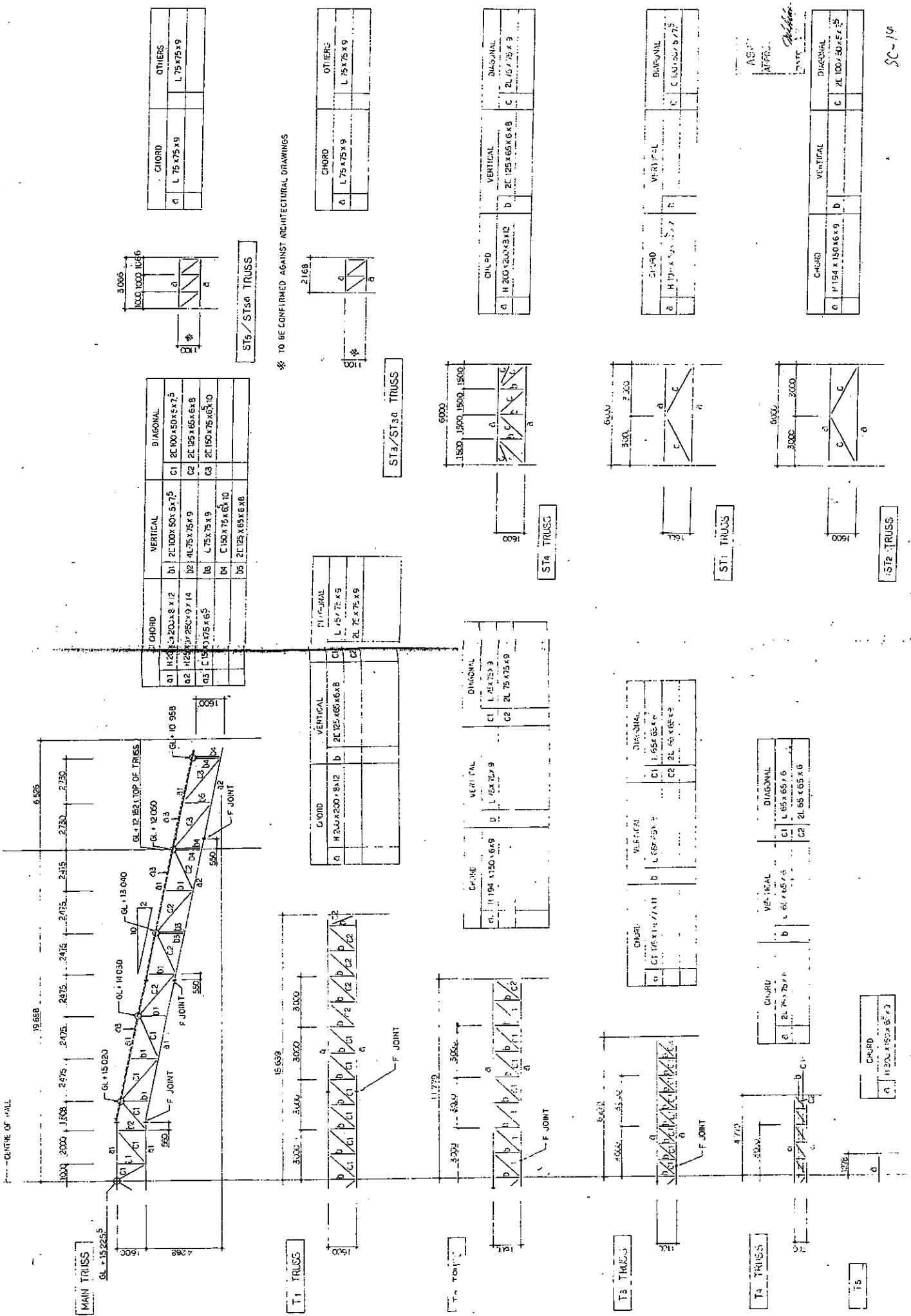
MARK	MEMBER	REFERS
Q	H 10 x 100 x 8 x 8	
B	H 10 x 90 x 8 x 7	
C	L 4 x 90 x 8	
P	H 10 x 75 x 5 x 7	RAFTER
F	C 12 x 24 x 2 x 2 1/2	LAGS PIPELINE
H	L 75 x 75 x 8	

NOTE

1) THE CONTRACTOR SHALL SUBMIT FOR THE APPROVAL BY THE ARCHITECT D-02 ORDINANCES CLEARLY INDICATING THE MATERIAL BEING SUPPLIED AND SHOWING ALL CONNECTIONS, ATTACHMENTS, REINFORCING AND ANCHORAGES.

2) BEFORE COMMENCING OPERATIONS THE CONTRACTOR SHALL SUBMIT FOR THE APPROVAL BY THE ARCHITECT HIS PROPOSED ERECTION PROCEDURE OF STRUCTURAL STEEL MEMBERS.





MAIN TRUSS

T1 TRUSS

T2 TRUSS

T3 TRUSS

T4 TRUSS

T5 TRUSS

MEMBER	CHORD	VERTICAL	DIAGONAL
a1	H 200 x 200 x 8 x 12	2C 100 x 50 x 5 x 7.5	C1 2C 100 x 50 x 5 x 7.5
a2	H 200 x 200 x 8 x 12	4L 75 x 75 x 9	C2 2C 125 x 65 x 6 x 8
a3	C 150 x 75 x 6 x 10	L 75 x 75 x 9	C3 2C 150 x 75 x 6 x 10
a4	C 150 x 75 x 6 x 10	C 150 x 75 x 6 x 10	
a5	2C 125 x 65 x 6 x 8		

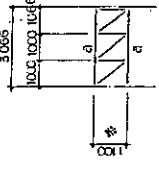
MEMBER	CHORD	VERTICAL	DIAGONAL
a	H 200 x 200 x 8 x 12	2C 125 x 65 x 6 x 8	C1 L 75 x 75 x 9
b	L 75 x 75 x 9		
c	2L 75 x 75 x 9		

MEMBER	CHORD	VERTICAL	DIAGONAL
a	H 194 x 150 x 6 x 8	L 65 x 65 x 6	C1 L 65 x 65 x 6
b	L 65 x 65 x 6		
c	2L 65 x 65 x 6		

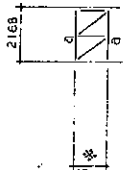
MEMBER	CHORD	VERTICAL	DIAGONAL
a	H 194 x 150 x 6 x 8	L 65 x 65 x 6	C1 L 65 x 65 x 6
b	L 65 x 65 x 6		
c	2L 65 x 65 x 6		

MEMBER	CHORD	VERTICAL	DIAGONAL
a	2L 75 x 75 x 9	L 65 x 65 x 6	C1 L 65 x 65 x 6
b	L 65 x 65 x 6		
c	2L 65 x 65 x 6		

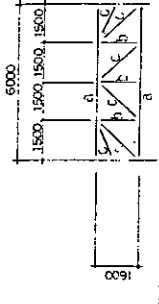
MEMBER	CHORD
a	H 200 x 150 x 6 x 8



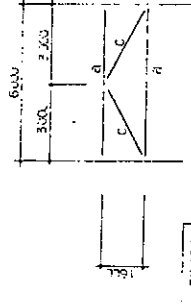
ST5 / ST5a TRUSS



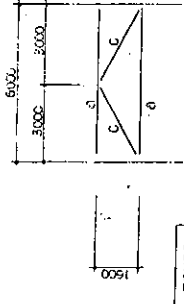
ST3 / ST3a TRUSS



ST4 TRUSS

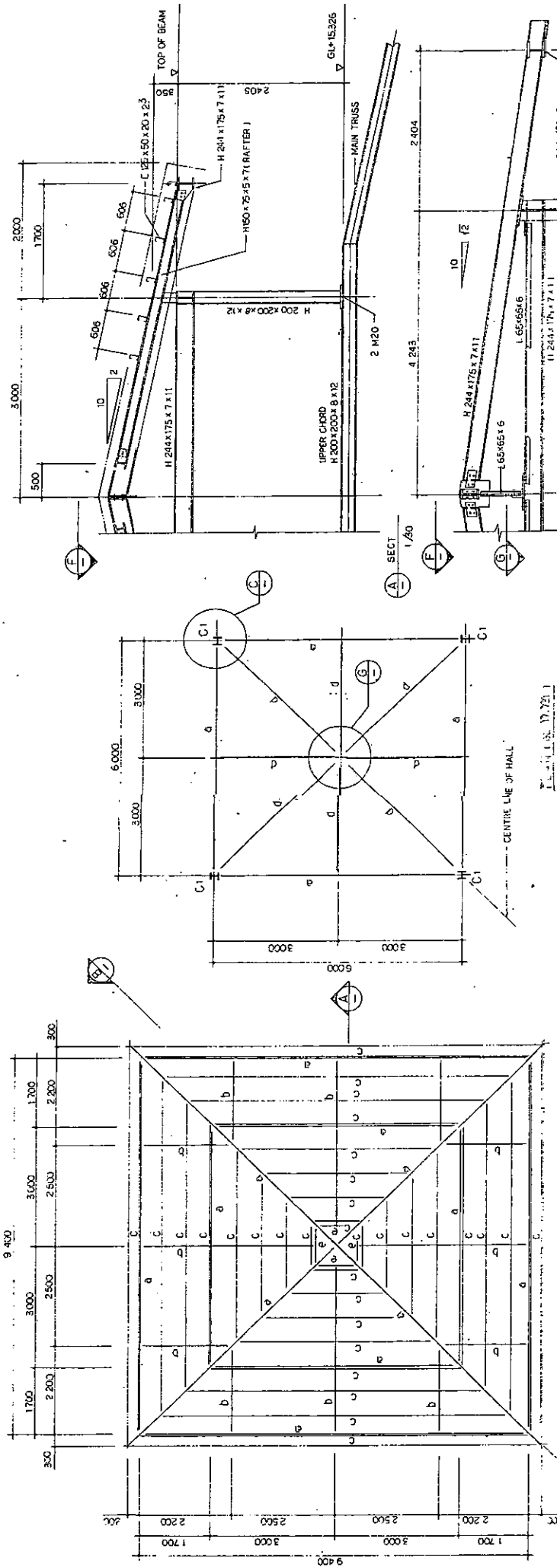


ST1 TRUSS

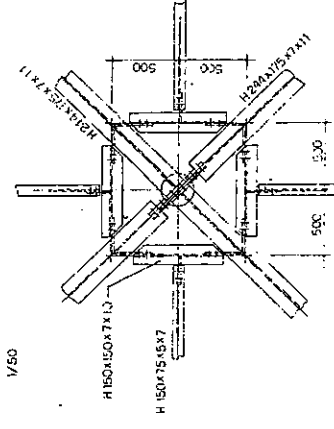


ST2 TRUSS

※ TO BE CONFIRMED AGAINST ARCHITECTURAL DRAWINGS

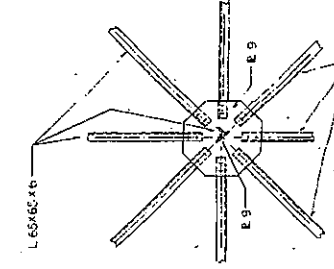


FRAMING PLAN  
1/50

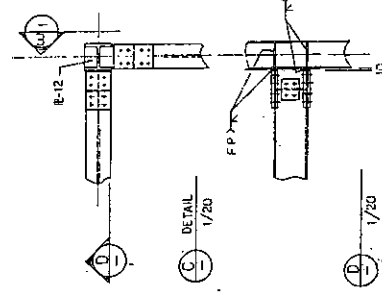


CONNECTION JOINT  
1/20

CONNECTION JOINT	HTBF101	SPLICE PLATE
FLANGE 16	M 20	2 E9 x 170 x 290
WEB	M 20	4 E9 x 65 x 290
	M 20	2 E9 x 140 x 170



CONNECTION JOINT  
1/20



CONNECTION JOINT  
1/20

CONNECTION JOINT  
1/20

CONNECTION JOINT  
1/20

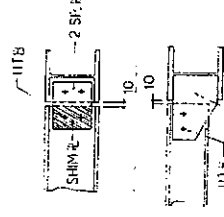
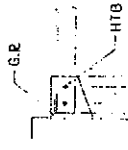
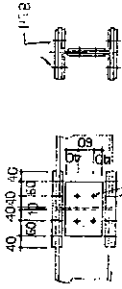
MARK	MEMBER	REMARKS
a	H 244x175x7x11	RAI T1P
b	H 150x75x5x7	RAI T1P
c	C 125x50x20x2.5	
d	L 65x65x6	
e	H 150x75x5x7	
C1	H 200x200x8x12	

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JIS G 3101 SS 41

CONNECTION



NOTE) UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS, CONNECTION DETAIL SHALL BE AS BELOW.

SHAPE	MEMBER	HTB (FOT)		SPLICE PLATE		GUSSET PLATE	REMARKS
		FLANGE	WEB	FLANGE	WEB		
H	H 200 x 200 x 6 x 12	16-M20	4-M20	2R 9 x 195 x 290 4R 9 x 70 x 290	2P 6 x 140 x 210		
	H 250 x 250 x 9 x 14	16-M20	4-M20	2R 9 x 245 x 290 4R 9 x 95 x 290	2R 9 x 140 x 210		
C	2C 150 x 75 x 6.5 x 10	2-M20	2-M20			R12	MAX L1 ≤ 1100
	C 150 x 75 x 6.5 x 10	2-M20	2-M20			R.9	
	2L 125 x 65 x 6 x 8	2-M20	2-M20			R12	MAX L1 ≤ 950
	125 x 65 x 6 x 8	2-M20	2-M20			R.9	
L	2L 100 x 50 x 5 x 7.5	2-M20	2-M20			R12	MAX L1 ≤ 700
	L 100 x 50 x 5 x 7.5	2-M20	2-M20			R.9	
	4L 75 x 75 x 9	2-M20	2-M20			R12	SEE DWG NO. S-25 DETAIL
	2L 75 x 75 x 9	2-M20	2-M20			R12	MAX L1 ≤ 700
L	2L 65 x 65 x 8	2-M20	2-M20			R12	MAX L1 ≤ 600
	L 65 x 65 x 8	2-M20	2-M20			R.9	
	2L 65 x 65 x 8	2-M20	2-M20			R12	MAX L1 ≤ 600
	L 65 x 65 x 8	2-M20	2-M20			R.9	
H	H 200 x 200 x 6 x 12	4-M20	4-M20		2R 9 x 140 x 170		MAX L1 ≤ 600
	H 194 x 150 x 6 x 9	4-M20	4-M20		2R 9 x 140 x 170		
	H 198 x 90 x 4.5 x 7	4-M20	4-M20		2R 9 x 140 x 170		
H	H 150 x 150 x 7 x 10	2-M20	2-M20			R.9	
	H 150 x 75 x 5 x 7	2-M20	2-M20			R.9	
	H 100 x 100 x 6 x 8	2-M20	2-M20			R.9	
C	L 80 x 90 x 6	2-M20	2-M20			R12	SEE DWG S-020 DETAIL TO BE WELDED
	C 123 x 50 x 20 x 2.3	2-M20	2-M20				

NOTE L1: DISTANCE BETWEEN TIE-PLATES

THE FOLLOWING NOTES AND DETAILS ON THE DRAWINGS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS, UNLESS OTHERWISE NOTED.

1) STRUCTURAL STEEL WORK

DESCRIPTION	SPECIFICATION
STEEL WORK	DESIGN STANDARD FOR STEEL STRUCTURE (AIJ) *1
STRUCTURAL SHAPES	JIS G 3192 - 1977 *2 JIS G 3350 - 1977
GRADE	SS 41 JIS G 3101 OR EQUIVALENT SS 41 JIS G 3350

\*1 AIJ : ARCHITECTURAL INSTITUTE OF JAPAN  
\*2 JIS : JAPANESE INDUSTRIAL STANDARD

2) BOLT

DESCRIPTION	SPECIFICATION
HTB	F10T JIS B 1186 OR EQUIVALENT
BOLT HOLE	d + 1.5 mm *1
BOLT SPACE	M20 60 mm M16 50 mm
MIN EDGE DISTANCE	M20 40 mm M16 40 mm
MAX EDGE DISTANCE	12-t AND ≤150 mm *2
ANCHOR BOLT	SS 41 JIS G 3101
BOLT HOLE	d + 10 mm

\*1 d : NOMINAL BOLT DIAMETER (mm)

\*2 t : THK OF PARTS (PLATES) IN CONTACT WITH ONE ANOTHER (mm)

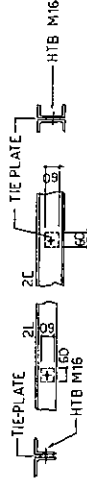
3) WELDING

DESCRIPTION	SPECIFICATION
WELDING WORK	AWS *1
WELDING MATERIAL	AMS OR EQUIVALENT
FILLET-WELD SIZE	0.7 * t (PLATE THICKNESS)

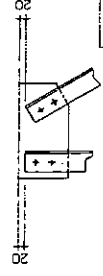
\*1 AWS : AMERICAN WELDING SOCIETY

4) ALL STRUCTURAL STEEL MEMBER SHALL BE PAINTED WITH 2 COATS OF RED LEAD PAINT TO JIS.

5) TIE-PLATE



6) EDGE CLEARANCE



7) GAUGE

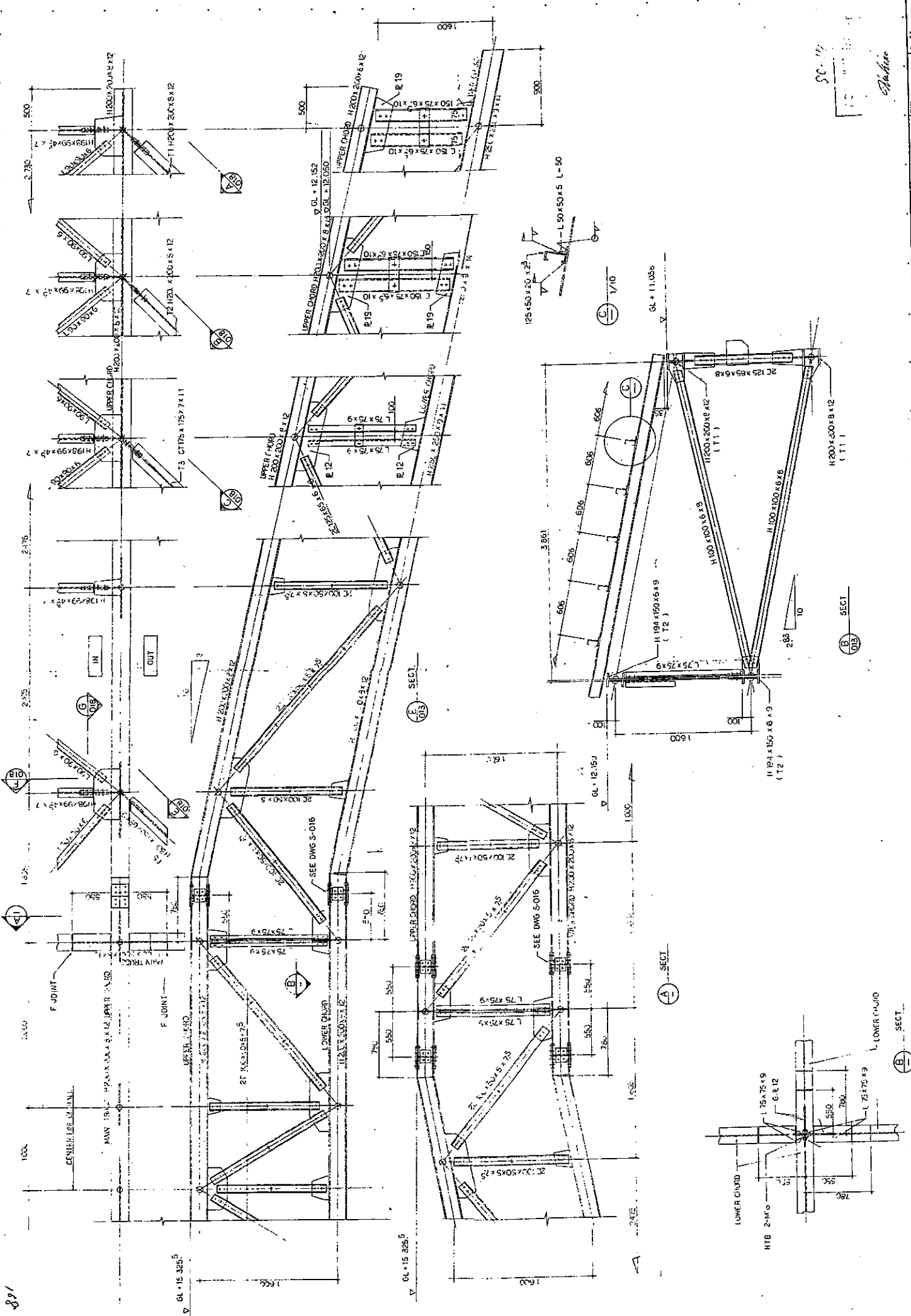


MEMBER	GAUGE (G)
L 90 x 90 x 6	50
L 75 x 75 x 9	40
L 65 x 65 x 8	35
L 65 x 65 x 6	35

SC-16

SC-16

89/



SC-17  
 Mohri

NO.	REV.	DATE	BY	CHK.
1				
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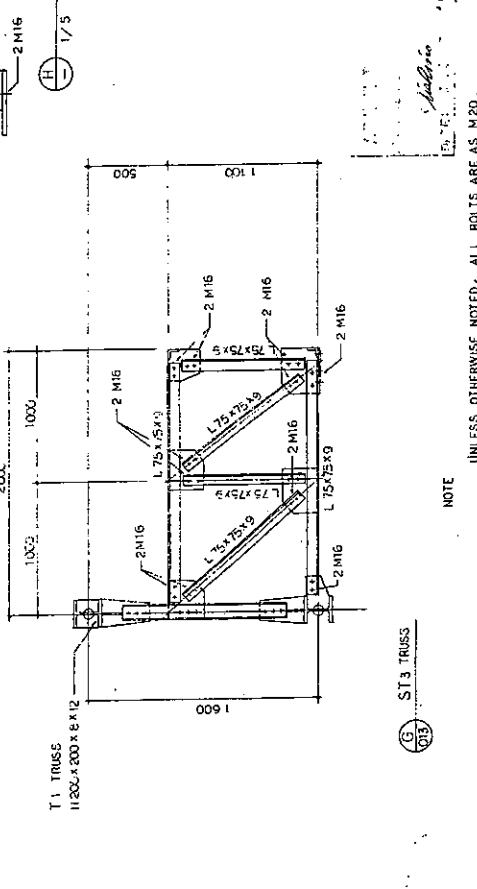
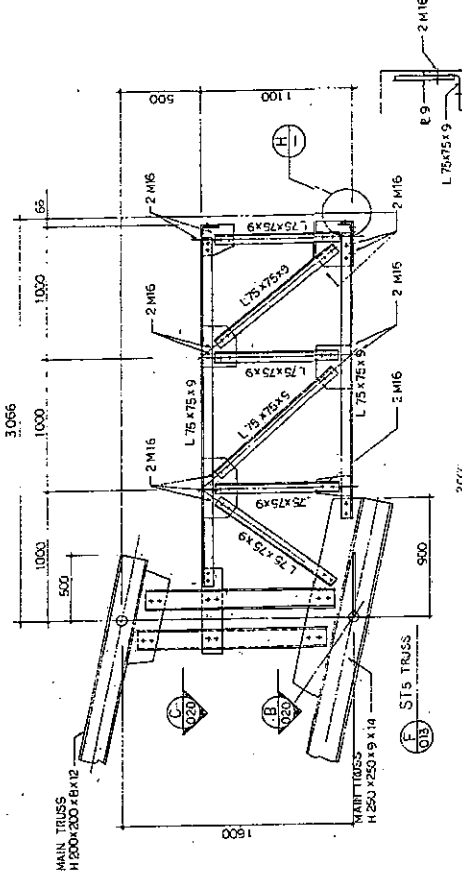
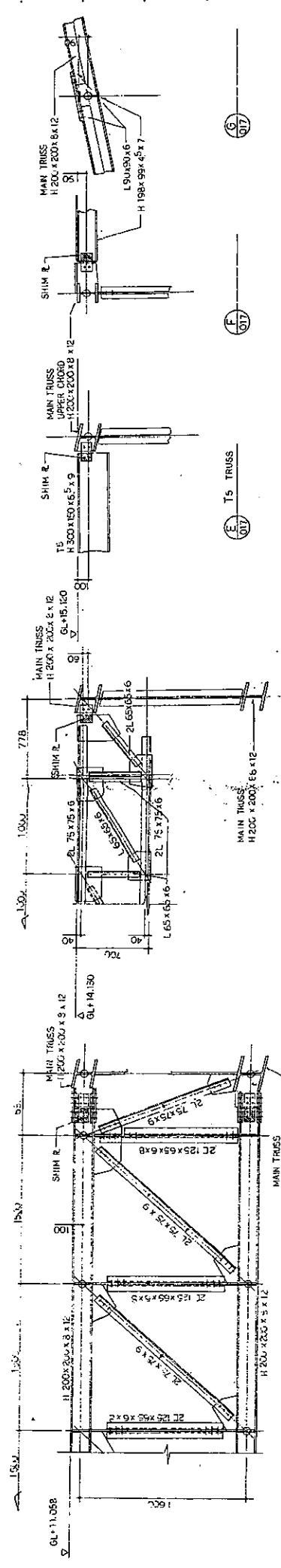
STEEL MEMBER DETAIL (1)

THE PRODUCT FOR CONSTRUCTING THE TENT IS  
 THE LOCATION IN THE TOWER OF MATERIALS  
 MUST BE KEPT IN A CLEAN STATE.

MOHRI ARCHITECT & ASSOCIATES, INC.  
 3-2-17, KYOBASHI, CHUOH-KU, TOKYO, JAPAN



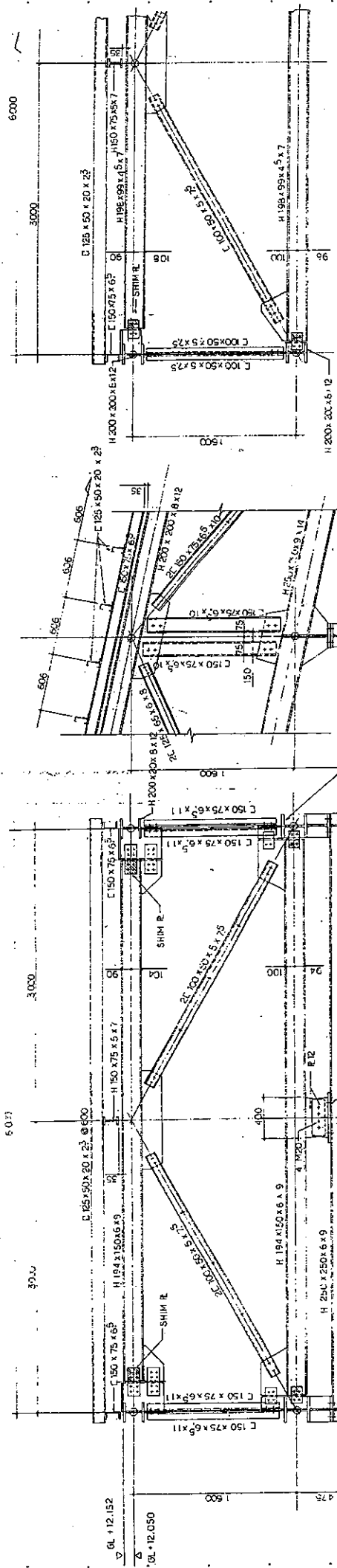
SC-17



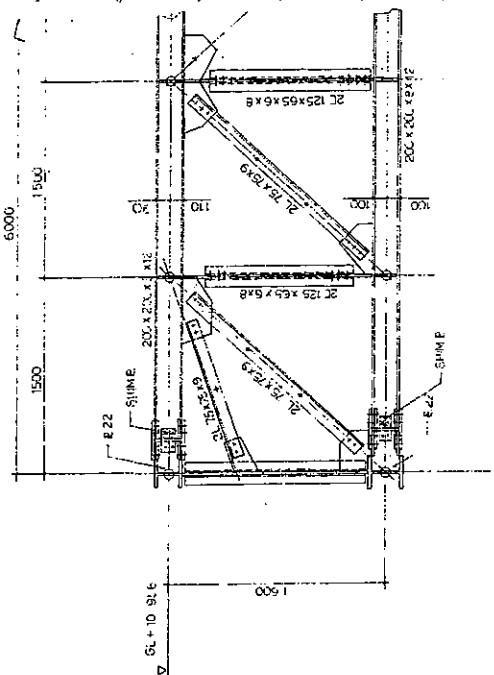
NOTE

UNLESS OTHERWISE NOTED, ALL BOLTS ARE AS M20.

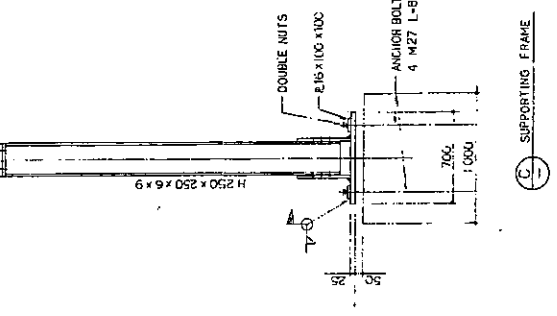
SC-18



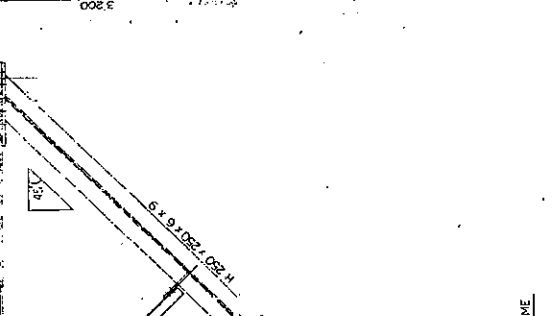
ST1 TRUSS



ST4 TRUSS



SUPPORTING FRAME

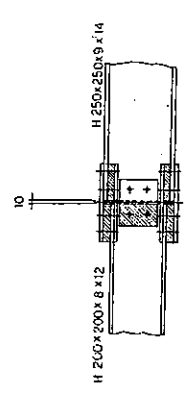


SUPPORTING FRAME

50-19

50-19  
AS  
10/27/10

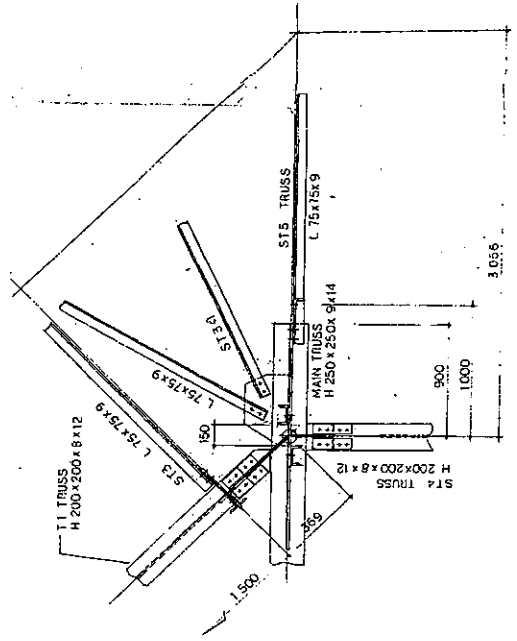




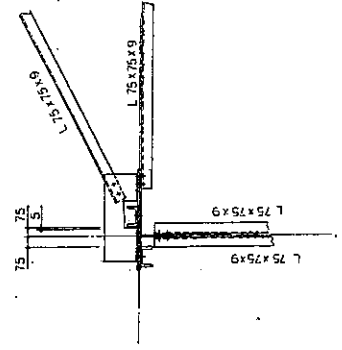
SHOWS SIMIL.

HBF(DT)	SPICE PLATE
FLANGE	2 2.9 x 195 x 290
WEB	4 2.9 x 70 x 290
	4 M20
	2 2.6 x 140 x 170

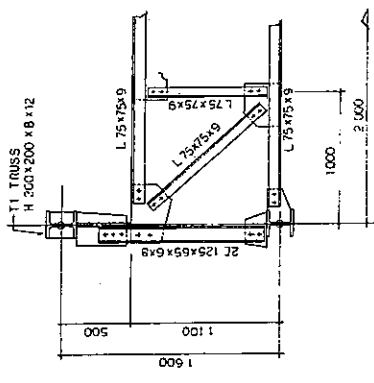
A 1/10



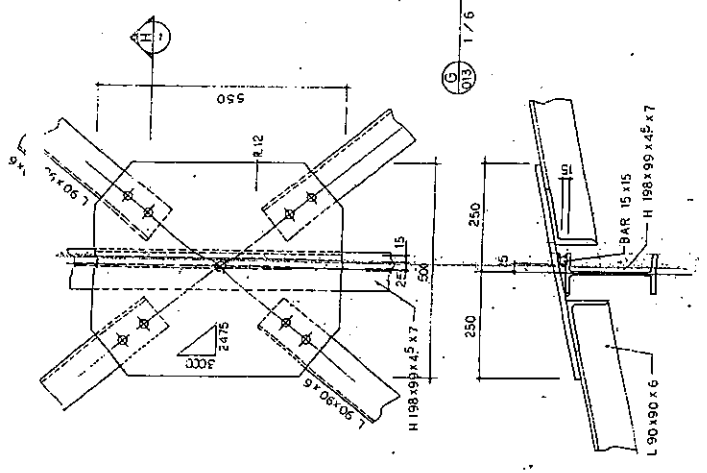
B 1/20



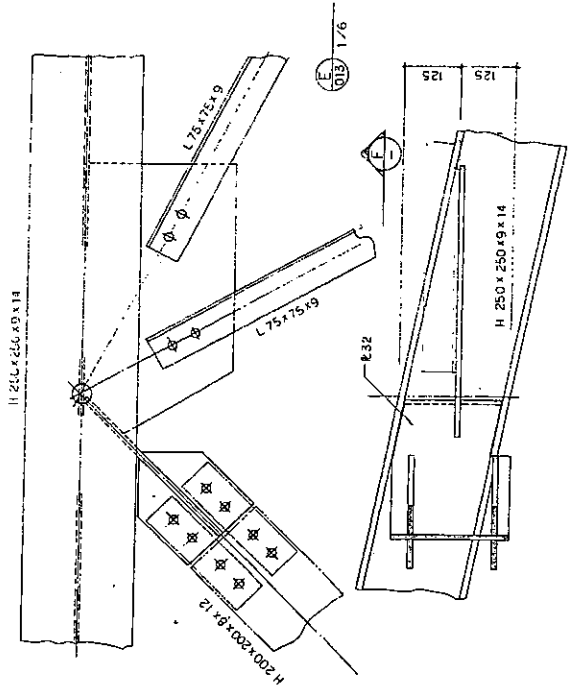
C 1/20



D 1/20



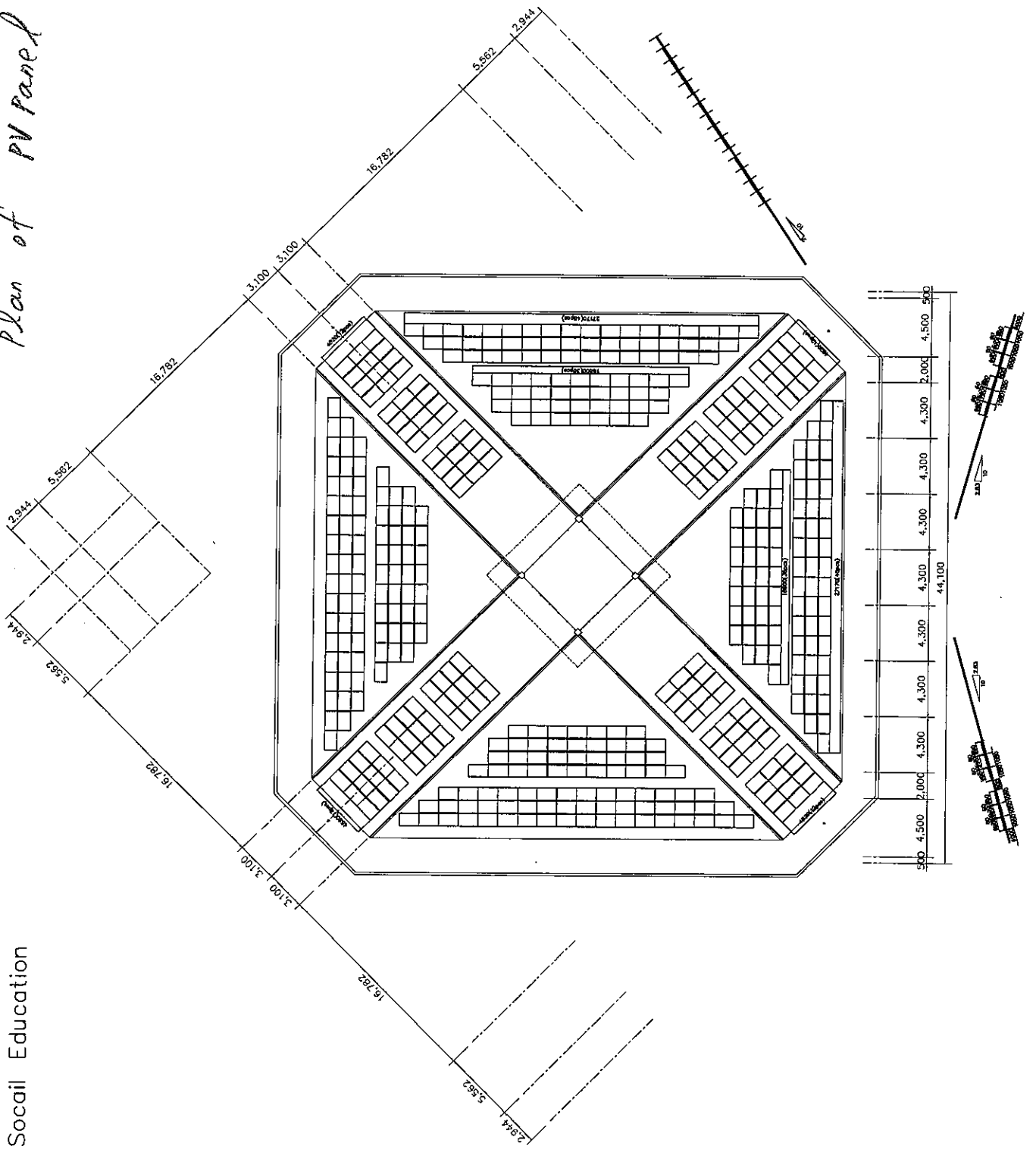
G 1/6



E 1/6

# Plan of PV Panel

No.7 Socail Education



S=1:300



Structural Calculation  
(Dead load)

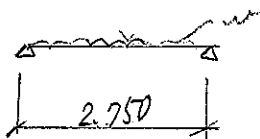
Steel roof (+ board)	250	
Purlin	150	
Ceiling	200	
	600	} 1.1 kN/m <sup>2</sup>
PV panel + beam.	500	

2. 既存部材の検討.

The examination of the existent member

SUB BEAM

[e] see dwg S-13 (Page SC-13)



$$w = 1.1 \text{ kN/m}^2 \times 3.0 \text{ m} + 0.5 \text{ kN/m} = 3.8 \text{ kN/m} \quad (-5.2) < 1.5$$

$$M = \frac{1}{8} \times 3.8 \times 2.75^2 = 3.6 \text{ kNm}$$

$$Q = \frac{1}{2} \times 3.8 \times 2.75 = 5.3 \text{ kN}$$

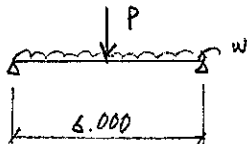
wind (3000%) =

H-150x75x5x7  $I_x = 666$   $Z_x = 88.8$   $f_b = 157$

$$\sigma_b = \frac{3.6 \times 10^3}{88.8} = 41 \quad \sigma_b / f_b = 0.27 < 1.0$$

$$I_{max} = \frac{5 \times 3.8 \times 2.75^4 \times 10^8}{3.84 \times 2.05 \times 10^5 \times 666 \times 10^4} = 2.1 \text{ mm} = l/1309$$

[b] see dwg S-13.



$$w = 1.1 \text{ kN/m}^2 \times 0.5 \text{ m} + 0.5 \text{ kN/m} = 1.05 \text{ kN/m}$$

$$P = 5.3 \text{ kN} \times 2 = 10.6 \text{ kN}$$

$$M = \frac{1}{8} \times 1.05 \times 6.0^2 + \frac{1}{4} \times 10.6 \times 6.0 = 20.7 \text{ kNm}$$

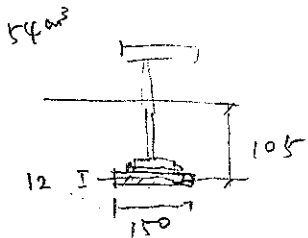
$$Q = \frac{1}{2} \times 1.05 \times 6.0 + \frac{1}{2} \times 10.6 = 8.5 \text{ kN}$$

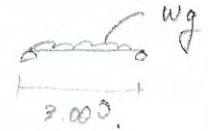
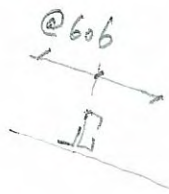
H-198x99x4.5x7  $I_x = 1540$   $Z_x = 156$   $l_b = 3000$   $f_b = 157$

$$\sigma_b = \frac{20.7 \times 10^3}{156} = 133 \text{ N/mm}^2 \quad \sigma_b / f_b = 0.85 < 1.0$$

$$I_{max} = \frac{5 \times 1.05 \times 6.0^4 \times 10^8}{3.84 \times 2.05 \times 1540} + \frac{10600 \times 6.0^3}{48 \times 2.05 \times 1540} = 5.62 + 15.11 = 20.73 = l/189$$

$$l = 2.0 \text{ m}$$





3. 屋根鉄骨部材の算定  
母屋 (purlin)

部材		C - 125	x 50	x 20	x 2.3
スパン L (m), ピッチ (m)				3.00	0.606
荷重 Wg (KN/m <sup>2</sup> ) (LOAD)				3.00	1.10
曲げモーメント xMg (KN·m) (Bending Moment)	xMg (KN·m)	$\omega \cdot \sin \theta \cdot L^2 / 8 =$		0.15	
	yMg (KN·m)	$\omega \cdot \cos \theta \cdot L^2 / 8 =$		0.74	
せん断力 yQg (KN) (Shear)		$\omega \cdot \cos \theta \cdot L / 2 =$		1	
断面性能	Iy (cm <sup>4</sup> )			137	
	Ix (cm <sup>4</sup> )			20.6	
	Zy (cm <sup>3</sup> )			21.9	
	Zx (cm <sup>3</sup> )			6.22	
許容曲げ応力度 fb (KN/cm <sup>2</sup> ) Allowable				15.7	
曲げ応力度 xσb = xM/Zx (KN/cm <sup>2</sup> )				2.42	
曲げ応力度 yσb = yM/Zy (KN/cm <sup>2</sup> )				3.38	
応力度比 (xσb + yσb) / fb ≤ 1				0.37	≤ 1 OK
撓み δg (cm)				0.49	
δ/L ≥ 300				612	≥ 300 OK

(e)



$$1.1 \times 3.0 + 0.5 \frac{\text{KN}}{\text{m}} = 3.8 \text{ KN/m}$$

$$M = \frac{1}{8} \times 3.8 \times 4.02^2 = 7.7 \text{ KNm}$$

$$Q = \frac{1}{2} \times 3.8 \times 4.02 = 7.7 \text{ KN}$$

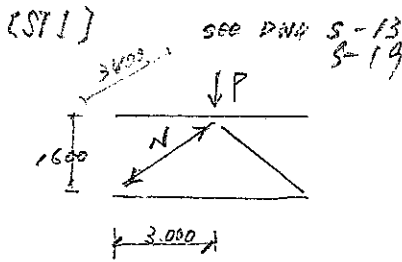
H-150 × 75 × 5 × 7

$$\sigma_b = \frac{7.7 \times 10^3}{888} = 87 \quad \delta / f_b = 0.56 < 1.0$$

$$\delta_{max} = \frac{5 \times 2.8 \times 4.02^2 \times 10}{3.84 \times 2.05 \times 666} = 9.5 \text{ mm} = 1/423$$

SC-22a

Sub TRUSS



$$P = 1.1 \frac{\text{kn}}{\text{m}^2} \times 3.0 \text{ m} \times 2.5 \text{ m} + 0.5 \frac{\text{kn}}{\text{m}^2} \times 2.5 \text{ m} = 9.5 \text{ kn}$$

$$N = \frac{1}{2} \times 9.5 \times \frac{3.4}{1.6} = 10.1 \text{ kn}$$

$$L = 100 \times 50 \times 5 \times 7.5 \quad A = 11.92 \text{ cm}^2 \quad i = 1.48 \text{ cm}$$

$$L_R = 3400 \quad \lambda = 230 \quad f_c = 17.7$$

$$\sigma_c = \frac{10.1 \times 10^3}{1192} = 8.5 \quad \sigma_c / f_c = 0.48 \quad \text{OK}$$

For T2 Truss (LOAD)

T2 トラス 荷重

Truss self weight

トラス自重 800  $\frac{\text{N}}{\text{m}^2}$  で円山電

集中荷重とL1  $(1.1 \frac{\text{kn}}{\text{m}^2} + 0.8 \frac{\text{kn}}{\text{m}^2}) \times 3.0 \text{ m} \times 3.76 \text{ m} + 0.5 \frac{\text{kn}}{\text{m}^2} \times 3.76 \text{ m} = 23.4 \text{ kn}$   
 Point Load.

$(2.5 + 3.86) \times \frac{1}{2} \times 1.02$

For Main Truss

メイントラス 荷重 (Load)

$$P_1 = 1.9 \frac{\text{kn}}{\text{m}^2} \times 2.0 \text{ m} \times 15.0 \text{ m} + 1.9 \frac{\text{kn}}{\text{m}^2} \times 1.5 \text{ m} \times 3.0 \text{ m} = 65.6 \text{ kn}$$

$$P_2 = 1.9 \frac{\text{kn}}{\text{m}^2} \times 2.75 \text{ m} \times 3.0 \text{ m} = 15.7 \text{ kn}$$

$$P_3 = 1.9 \frac{\text{kn}}{\text{m}^2} \times 3.75 \text{ m} \times 11.5 \text{ m} + 1.9 \frac{\text{kn}}{\text{m}^2} \times 2.75 \text{ m} \times 3.0 \text{ m} = 97.7 \text{ kn}$$

$$P_4 = 1.9 \frac{\text{kn}}{\text{m}^2} \times 2.5 \text{ m} \times 3.0 \text{ m} = 14.3 \text{ kn} \quad P_{4a} = 1.4 \times 2.5 \times 3.0 = 10.5 \text{ kn}$$

$$P_5 = 1.9 \frac{\text{kn}}{\text{m}^2} \times 3.5 \text{ m} \times 8.5 \text{ m} + 1.9 \frac{\text{kn}}{\text{m}^2} \times 2.5 \text{ m} \times 3.0 \text{ m} = 70.8 \text{ kn}$$

PV2L →  $P_6 = 1.4 \frac{\text{kn}}{\text{m}^2} \times 3.5 \text{ m} \times 5.0 \text{ m} + 1.4 \frac{\text{kn}}{\text{m}^2} \times 2.5 \text{ m} \times 3.0 \text{ m} = 35.0 \text{ kn}$

PV3 →  $P_7 = 1.4 \frac{\text{kn}}{\text{m}^2} \times 2.8 \text{ m} \times 1.5 \text{ m} + 1.4 \frac{\text{kn}}{\text{m}^2} \times 2.5 \text{ m} \times 3.0 \text{ m} = 16.4 \text{ kn}$

頂部  
Top roof  $P_8 = 6.0 \frac{\text{kn}}{\text{m}^2} \times 3.0 \text{ m} \times 3.0 \text{ m} = 54 \text{ kn}$

Truss  
[T2] トラス

Main Member  
主桁材

lower chord  
下弦材  $N = 203 \text{ kN}$  ← SC-27

H-194x150x6x9  $A = 38.11 \text{ cm}^2$   $i_y = 3.65 \text{ cm}$

$LB = 300 \text{ mm}$   $\lambda = 83$   $f_c = 104$

$\sigma_c = \frac{2030}{38.11} = 54$   $\sigma_c / f_c = 54 / 104 = 0.52 < 1.0$

OK.

SC-14, 18

束材 (Post)  
束材  $N = 81 \text{ kN}$  ← SC-27

L-75x75x9  $i_x = 1.45$   $i_y = 2.25$   $LB = 130$   $A = 12.69$

$\lambda = 90$

$f_c = 97.1$

$\lambda_1 = 58$

$f_c = 129$

$\sigma_c = \frac{810}{12.69} = 64$   $\sigma_c / f_c = 0.66$

OK.

SC-14, 18

(web)  
747  $T = 103 \text{ kN}$  ← SC-27

L-75x75x9  $A_e = 1269 - 9 \times 39.5 = 931$

$f_t = 157$

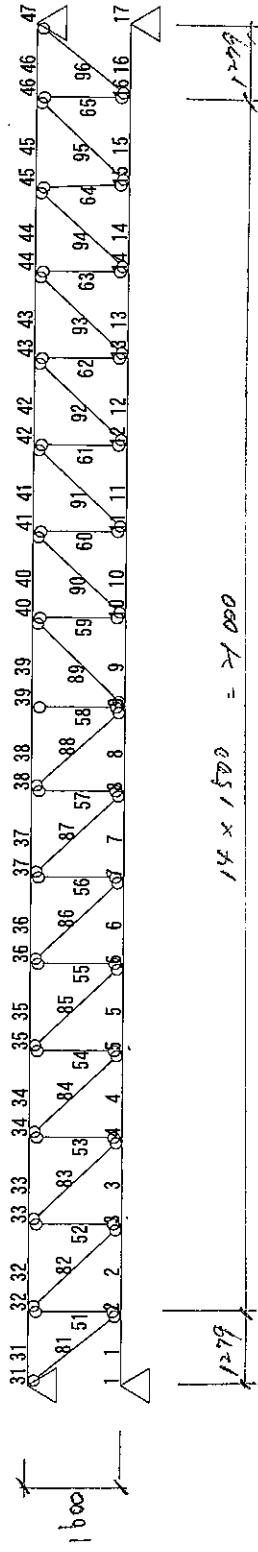
$\sigma_t = \frac{103 \times 10^3}{931} = 111$

$\sigma_t / f_t = 0.71 < 1.0$

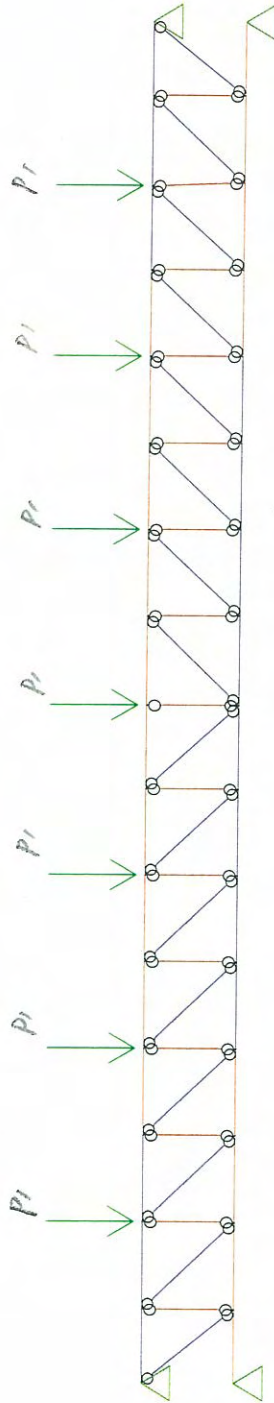
OK

SC-14, 18

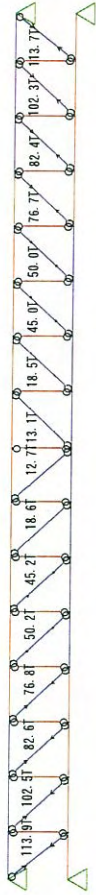
Frame



LOAD



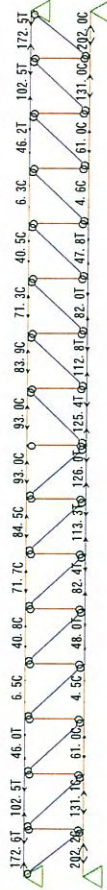
$$P_1 = 23.4 \text{ kN}$$



*web*

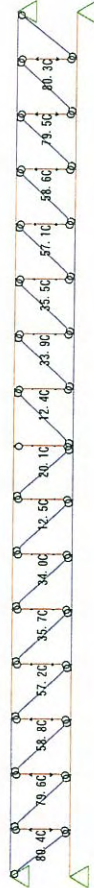
应力图 [DL+LL]

*chord*



应力图 [DL+LL]

*post*



【基本事項・計算条件】

工 事 名 : 模型 No7 T2  
略 称 : N07T2  
日 付 : 2009/06/04  
担 当 者 :

- ・せん断による変形の考慮 : する
- ・剛域の考慮 : する
- ・伸縮しない材 (Aを1000倍) : 有
- ・節点同一変位の指定 : 無
- ・部材毎の増減率の考慮 : 無
- ・パネルの使用 : しない
- ・結合状態の共通指定 : 部材毎に指定
- ・応力着目点の追加 : しない
- ・接合部ハブ軸変形の考慮 : しない
- ・剛域・ハブ軸の軸変形の考慮 : しない
- ・剛域を考慮した固定端モーメントの計算 : しない
- ・部材端と節点のスリ : 無
- ・分布ハブ : 無

・出力単位 : S I 単位

【節点座標】 [m]

No	X座標	Y座標	No	X座標	Y座標	No	X座標	Y座標	No	X座標	Y座標
1	0.000	0.000	11	14.779	0.000	34	4.279	1.600	44	19.279	1.600
2	1.279	0.000	12	16.279	0.000	35	5.779	1.600	45	20.779	1.600
3	2.779	0.000	13	17.779	0.000	36	7.279	1.600	46	22.279	1.600
4	4.279	0.000	14	19.279	0.000	37	8.779	1.600	47	23.558	1.600
5	5.779	0.000	15	20.779	0.000	38	10.279	1.600			
6	7.279	0.000	16	22.279	0.000	39	11.729	1.600			
7	8.779	0.000	17	23.558	0.000	40	13.279	1.600			
8	10.279	0.000	31	0.000	1.600	41	14.779	1.600			
9	11.729	0.000	32	1.279	1.600	42	16.279	1.600			
10	13.279	0.000	33	2.779	1.600	43	17.779	1.600			

【支点データ】 [kN/cm] [kNm/rad] (0は自由、1は拘束を表します。)

No	節点No. <1>	節点No. <2>	節点No. <3>	X方向ハブ	Y方向ハブ	回転ハブ
1	1	31		1.0	1.0	0.0
2	17	47		1.0	1.0	0.0

【材質】 [kN/mm2]

No	E	G
1	205.00	79.00

【断面性能】

No	A [cm2]	I [cm4]	κ	断面名
1	38.11	2625	3.61	H-194*150*6*9*8
2	12.69	64	3.00	L-75*75*9
3	25.38	129	3.00	2L-75*75*9

【部材配置】 (断面No. が負値の材は、伸縮しない材を表します。)

No	節点No.		断面No	材質No	結合No		剛域 [cm]	
	i端	j端			i端	j端	i端	j端
1	1	2	1	1	0	0	0.0	0.0
2	2	3	1	1	0	0	0.0	0.0
3	3	4	1	1	0	0	0.0	0.0
4	4	5	1	1	0	0	0.0	0.0
5	5	6	1	1	0	0	0.0	0.0



No	/--節点No--/		断面No	材質No	/--結合No --/		/--剛域 [cm] --/	
	i端	j端			i端	j端	i端	j端
6	6	7	1	1	0	0	0.0	0.0
7	7	8	1	1	0	0	0.0	0.0
8	8	9	1	1	0	0	0.0	0.0
9	9	10	1	1	0	0	0.0	0.0
10	10	11	1	1	0	0	0.0	0.0
11	11	12	1	1	0	0	0.0	0.0
12	12	13	1	1	0	0	0.0	0.0
13	13	14	1	1	0	0	0.0	0.0
14	14	15	1	1	0	0	0.0	0.0
15	15	16	1	1	0	0	0.0	0.0
16	16	17	1	1	0	0	0.0	0.0
31	31	32	1	1	0	0	0.0	0.0
32	32	33	1	1	0	0	0.0	0.0
33	33	34	1	1	0	0	0.0	0.0
34	34	35	1	1	0	0	0.0	0.0
35	35	36	1	1	0	0	0.0	0.0
36	36	37	1	1	0	0	0.0	0.0
37	37	38	1	1	0	0	0.0	0.0
38	38	39	1	1	0	0	0.0	0.0
39	39	40	1	1	0	0	0.0	0.0
40	40	41	1	1	0	0	0.0	0.0
41	41	42	1	1	0	0	0.0	0.0
42	42	43	1	1	0	0	0.0	0.0
43	43	44	1	1	0	0	0.0	0.0
44	44	45	1	1	0	0	0.0	0.0
45	45	46	1	1	0	0	0.0	0.0
46	46	47	1	1	0	0	0.0	0.0
51	2	32	2	1	1	1	0.0	0.0
52	3	33	2	1	1	1	0.0	0.0
53	4	34	2	1	1	1	0.0	0.0
54	5	35	2	1	1	1	0.0	0.0
55	6	36	2	1	1	1	0.0	0.0
56	7	37	2	1	1	1	0.0	0.0
57	8	38	2	1	1	1	0.0	0.0
58	9	39	2	1	1	1	0.0	0.0
59	10	40	2	1	1	1	0.0	0.0
60	11	41	2	1	1	1	0.0	0.0
61	12	42	2	1	1	1	0.0	0.0
62	13	43	2	1	1	1	0.0	0.0
63	14	44	2	1	1	1	0.0	0.0
64	15	45	2	1	1	1	0.0	0.0
65	16	46	2	1	1	1	0.0	0.0
81	31	2	3	1	1	1	0.0	0.0
82	32	3	2	1	1	1	0.0	0.0
83	33	4	2	1	1	1	0.0	0.0
84	34	5	2	1	1	1	0.0	0.0
85	35	6	2	1	1	1	0.0	0.0
86	36	7	2	1	1	1	0.0	0.0
87	37	8	2	1	1	1	0.0	0.0
88	38	9	2	1	1	1	0.0	0.0
89	9	40	2	1	1	1	0.0	0.0
90	10	41	2	1	1	1	0.0	0.0
91	11	42	2	1	1	1	0.0	0.0
92	12	43	2	1	1	1	0.0	0.0
93	13	44	2	1	1	1	0.0	0.0
94	14	45	2	1	1	1	0.0	0.0
95	15	46	2	1	1	1	0.0	0.0
96	16	47	3	1	1	1	0.0	0.0

【荷重ケース 1】DL+LL

No	/-節点, 部材No. -/ <1> <2> <3>			TYPE	方向	P 1	P 2	P 3	P 4	P 5	P 6
1	33	35	37	0		0.000kN	-23.400kN	0.000kNm			
2	39	41	43	0		0.000kN	-23.400kN	0.000kNm			
3	45			0		0.000kN	-23.400kN	0.000kNm			

【支点反力】

※※ 荷重ケース 1 ※※ DL+LL

節点No	Rx [kN]	Ry [kN]	Rm [kNm]
1	202.2	-4.3	0.0
17	-202.0	-4.3	0.0
31	-243.7	86.2	0.0
47	243.5	86.1	0.0
合計	0.0	163.8	0.0

【節点変位】

※※ 荷重ケース 1 ※※ DL+LL

節点No	δx [cm]	δy [cm]	θ [rad]	節点No	δx [cm]	δy [cm]	θ [rad]
1	0.000000	0.000000	-0.00048999	34	0.056786	-0.623990	-0.00163620
2	-0.033102	-0.083853	-0.00114086	35	0.055536	-0.867646	-0.00145877
3	-0.058273	-0.332915	-0.00178422	36	0.047694	-1.057427	-0.0018001
4	-0.069981	-0.587852	-0.00167229	37	0.033920	-1.218206	-0.00081811
5	-0.070848	-0.832453	-0.00150841	38	0.017698	-1.301808	-0.00043081
6	-0.061624	-1.035490	-0.00122649	39	0.000438	-1.344993	-0.00001293
7	-0.045808	-1.197286	-0.00086937	40	-0.018011	-1.300270	0.00043252
8	-0.024060	-1.294109	-0.00045933	41	-0.034122	-1.216570	0.00081795
9	-0.000670	-1.332634	-0.00001143	42	-0.047803	-1.055905	0.00117873
10	0.024218	-1.292635	0.00046302	43	-0.055577	-0.866376	0.00145677
11	0.045874	-1.195719	0.00086874	44	-0.056783	-0.623055	0.00163380
12	0.061622	-1.034050	0.00122525	45	-0.047921	-0.381329	0.00168781
13	0.070802	-0.831264	0.00150641	46	-0.028240	-0.133119	0.00134551
14	0.069914	-0.586997	0.00166991	47	0.000000	0.000000	0.00093681
15	0.058208	-0.332435	0.00178162				
16	0.033062	-0.083729	0.00113922				
17	0.000000	0.000000	0.00048926				
31	0.000000	0.000000	-0.00093827				
32	0.028262	-0.133322	-0.00134747				
33	0.047945	-0.381889	-0.00169035				

【部材応力】

※※ 荷重ケース 1 ※※ DL+LL

部材No	/-節点No -/ i 端 j 端		M [kNm]			/-----/ Q [kN]		/-----/ N [kN]	
	i 端	j 端	i 端	中央	j 端	i 端	j 端	i 端	j 端
1	1	2	0.0	-2.7	-5.5	-4.3	4.3	202.2	-202.2
2	2	3	5.5	-2.3	0.9	4.2	-4.2	131.1	-131.1
3	3	4	-0.9	0.4	-0.1	-0.6	0.6	61.0	-61.0
4	4	5	0.1	0.6	1.2	0.9	-0.9	4.5	-4.5
5	5	6	-1.2	1.0	0.8	-0.3	0.3	-48.0	48.0
6	6	7	-0.8	1.3	1.8	0.7	-0.7	-82.4	82.4
7	7	8	-1.8	1.5	1.2	-0.4	0.4	-113.3	113.3
8	8	9	-1.2	1.7	2.2	0.7	-0.7	-126.0	126.0
9	9	10	-2.2	1.6	1.1	-0.7	0.7	-125.4	125.4
10	10	11	-1.1	1.5	1.8	0.4	-0.4	-112.8	112.8
11	11	12	-1.8	1.3	0.8	-0.7	0.7	-82.0	82.0
12	12	13	-0.8	1.0	1.2	0.3	-0.3	-47.8	47.8
13	13	14	-1.2	0.6	-0.1	-0.9	0.9	4.6	-4.6
14	14	15	0.1	0.4	0.9	0.6	-0.6	61.0	-61.0
15	15	16	-0.9	-2.3	-5.5	-4.2	4.2	131.0	-131.0

部材No	ノ 節点No		M [kNm]		Q [kN]		N [kN]		
	i 端	j 端	i 端	中央	i 端	j 端	i 端	j 端	
16	16	17	5.5	-2.7	0.0	4.3	-4.3	202.0	-202.0
31	31	32	0.0	-1.7	-3.4	-2.7	2.7	-172.6	172.6
32	32	33	3.4	-1.2	1.0	3.0	-3.0	-102.5	102.5
33	33	34	-1.0	0.2	-0.6	-1.1	1.1	-46.0	46.0
34	34	35	0.6	0.6	1.9	1.6	-1.6	6.5	-6.5
35	35	36	-1.9	1.0	0.1	-1.2	1.2	40.8	-40.8
36	36	37	-0.1	1.3	2.5	1.6	-1.6	71.7	-71.7
37	37	38	-2.5	1.4	0.3	-1.4	1.4	84.5	-84.5
38	38	39	-0.3	1.6	2.8	1.7	-1.7	93.0	-93.0
39	39	40	-2.8	1.5	0.3	-1.6	1.6	93.0	-93.0
40	40	41	-0.3	1.4	2.5	1.4	-1.4	83.9	-83.9
41	41	42	-2.5	1.3	0.1	-1.6	1.6	71.3	-71.3
42	42	43	-0.1	1.0	1.9	1.2	-1.2	40.5	-40.5
43	43	44	-1.9	0.6	-0.6	-1.6	1.6	6.3	-6.3
44	44	45	0.6	0.2	1.0	1.1	-1.1	-46.2	46.2
45	45	46	-1.0	-1.2	-3.4	-2.9	2.9	-102.5	102.5
46	46	47	3.4	-1.7	0.0	2.7	-2.7	-172.5	172.5
51	2	32	0.0	0.0	0.0	0.0	0.0	80.4	-80.4
52	3	33	0.0	0.0	0.0	0.0	0.0	79.6	-79.6
53	4	34	0.0	0.0	0.0	0.0	0.0	58.8	-58.8
54	5	35	0.0	0.0	0.0	0.0	0.0	57.2	-57.2
55	6	36	0.0	0.0	0.0	0.0	0.0	35.7	-35.7
56	7	37	0.0	0.0	0.0	0.0	0.0	34.0	-34.0
57	8	38	0.0	0.0	0.0	0.0	0.0	12.5	-12.5
58	9	39	0.0	0.0	0.0	0.0	0.0	20.1	-20.1
59	10	40	0.0	0.0	0.0	0.0	0.0	12.4	-12.4
60	11	41	0.0	0.0	0.0	0.0	0.0	33.9	-33.9
61	12	42	0.0	0.0	0.0	0.0	0.0	35.5	-35.5
62	13	43	0.0	0.0	0.0	0.0	0.0	57.1	-57.1
63	14	44	0.0	0.0	0.0	0.0	0.0	58.6	-58.6
64	15	45	0.0	0.0	0.0	0.0	0.0	79.5	-79.5
65	16	46	0.0	0.0	0.0	0.0	0.0	80.3	-80.3
81	31	2	0.0	0.0	0.0	0.0	0.0	-113.9	113.9
82	32	3	0.0	0.0	0.0	0.0	0.0	-102.5	102.5
83	33	4	0.0	0.0	0.0	0.0	0.0	-82.6	82.6
84	34	5	0.0	0.0	0.0	0.0	0.0	-76.8	76.8
85	35	6	0.0	0.0	0.0	0.0	0.0	-50.2	50.2
86	36	7	0.0	0.0	0.0	0.0	0.0	-45.2	45.2
87	37	8	0.0	0.0	0.0	0.0	0.0	-18.6	18.6
88	38	9	0.0	0.0	0.0	0.0	0.0	-12.7	12.7
89	9	40	0.0	0.0	0.0	0.0	0.0	-13.1	13.1
90	10	41	0.0	0.0	0.0	0.0	0.0	-18.5	18.5
91	11	42	0.0	0.0	0.0	0.0	0.0	-45.0	45.0
92	12	43	0.0	0.0	0.0	0.0	0.0	-50.0	50.0
93	13	44	0.0	0.0	0.0	0.0	0.0	-76.7	76.7
94	14	45	0.0	0.0	0.0	0.0	0.0	-82.4	82.4
95	15	46	0.0	0.0	0.0	0.0	0.0	-102.3	102.3
96	16	47	0.0	0.0	0.0	0.0	0.0	-113.7	113.7

Main Truss  
[X14132]

主桁: lower chord

$N = 644 \text{ kN}$  ← SC-34

$\underline{H-250 \times 250 \times 9 \times 14}$   $i_y = 6.32$   $A = 91.43$   $R_R = 500$   $\lambda = 80$   
 $f_c = 108$

$\sigma_c = \frac{644.0}{91.43} = 71$   $\sigma_c/f_c = 0.66 < 1.0$

束材 post

$N = 294 \text{ kN}$  ← SC-34

$\underline{2L-150 \times 75 \times 6.5 \times 10}$   $A = 23.71 \times 2$   $i_y = 2.22$   
 $R_R = 150 \text{ mm}$   $\lambda = 68$   $f_c = 119$

$\sigma_c = \frac{294.0}{23.71 \times 2} = 62$   $\sigma_c/f_c = 0.52 < 1.0$

下桁 web

$N = 243 \text{ kN}$  ← SC-34

$\underline{2L-125 \times 65 \times 6 \times 8}$   $i_y = 1.9 \times 2 = 3.8 \text{ mm}$   $A = 17.11 \times 2 = 34.22$   
 $R_R = 240 \text{ mm}$   $\lambda = 64$   $f_c = 123$

$\sigma_c = \frac{243.0}{34.22} = 72$   $\sigma_c/f_c = 0.59 < 1.0$

Ref.

SC-14, 17





【基本事項・計算条件】

工 事 名：移行イメイントラス  
 略 称：N07MAINE  
 日 付：2009/05/21  
 担 当 者：yec

- ・せん断による変形の考慮 : する
- ・剛域の考慮 : する
- ・伸縮しない材 (Aを1000倍) : 有
- ・節点同一変位の指定 : 有
- ・部材毎の増減率の考慮 : 無
- ・バネ材の使用 : しない
- ・結合状態の共通指定 : 部材毎に指定
- ・応力着目点の追加 : しない
- ・接合部ハシ変形の考慮 : しない
- ・剛域・ハシの軸変形の考慮 : しない
- ・剛域を考慮した固定端モーメントの計算 : しない
- ・部材端と節点のズレ : 無
- ・分布バネ : 無

・出力単位 : S I 単位

【節点座標】 [m]

No	X座標	Y座標	No	X座標	Y座標	No	X座標	Y座標	No	X座標	Y座標
1	0.000	0.000	16	28.613	4.320	36	12.885	4.175	51	39.816	3.680
2	2.730	0.544	17	29.916	4.060	37	15.360	4.670	52	42.291	3.185
3	5.460	1.090	18	32.391	3.565	38	17.835	5.165	53	44.766	2.690
4	7.935	1.585	19	34.866	3.070	39	20.310	5.660	54	47.496	2.144
5	10.410	2.080	20	37.341	2.575	40	21.613	5.920	55	50.226	1.600
6	12.885	2.575	21	39.816	2.080	41	22.113	5.920			
7	15.360	3.070	22	42.291	1.585	42	24.113	5.920			
8	17.835	3.565	23	44.766	1.090	43	25.113	5.920			
9	20.310	4.060	24	47.496	0.544	44	26.113	5.920			
10	21.613	4.320	25	50.226	0.000	45	28.113	5.920			
11	22.113	4.320	31	0.000	1.600	46	28.613	5.920			
12	24.113	4.320	32	2.730	2.144	47	29.916	5.660			
13	25.113	4.320	33	5.460	2.690	48	32.391	5.165			
14	26.113	4.320	34	7.935	3.185	49	34.866	4.670			
15	28.113	4.320	35	10.410	3.680	50	37.341	4.175			

【支点データ】 [kN/cm] [kNm/rad] (Oは自由、1は拘束を表します。)

No	節点No.			X方向バネ	Y方向バネ	回転バネ
	<1>	<2>	<3>			
1	3			1.0	1.0	0.0
2	23			1.0	1.0	0.0

【節点同一変位】

---- 入力値なし ----

【材質】 [kN/mm<sup>2</sup>]

No	E	G
1	205.00	79.00

【断面性能】

No	A [cm <sup>2</sup> ]	I [cm <sup>4</sup> ]	κ	断面名
1	91.43	10748	4.58	H-250*250*9*14*13
2	63.53	4716	4.51	H-200*200*8*12*13
3	47.42	1722	3.00	2[-150*75*6.5*10
4	34.22	848	3.00	2[-125*65*6*8
5	23.84	376	3.00	2[-100*50*5*7.5
6	25.38	129	3.00	2L-75*75*9

【結合状態】 [kNm/rad] (登録No. 0は剛接)

No	回転バネ係数
1	0.0

【部材配置】 (断面No. が負値の材は、伸縮しない材を表します。)

No	/--節点No--/		断面No	材質No	/--結合No --/--		剛域 [cm]	
	i 端	j 端			i 端	j 端	i 端	j 端
1	1	2	1	1	0	0	0.0	0.0
2	2	3	1	1	0	0	0.0	0.0
3	3	4	1	1	0	0	0.0	0.0
4	4	5	1	1	0	0	0.0	0.0
5	5	6	1	1	0	0	0.0	0.0
6	6	7	2	1	0	0	0.0	0.0
7	7	8	2	1	0	0	0.0	0.0
8	8	9	2	1	0	0	0.0	0.0
9	9	10	2	1	0	0	0.0	0.0
10	10	11	2	1	0	0	0.0	0.0
11	11	12	2	1	0	0	0.0	0.0
12	12	13	2	1	0	0	0.0	0.0
13	13	14	2	1	0	0	0.0	0.0
14	14	15	2	1	0	0	0.0	0.0
15	15	16	2	1	0	0	0.0	0.0
16	16	17	2	1	0	0	0.0	0.0
17	17	18	2	1	0	0	0.0	0.0
18	18	19	2	1	0	0	0.0	0.0
19	19	20	2	1	0	0	0.0	0.0
20	20	21	1	1	0	0	0.0	0.0
21	21	22	1	1	0	0	0.0	0.0
22	22	23	1	1	0	0	0.0	0.0
23	23	24	1	1	0	0	0.0	0.0
24	24	25	1	1	0	0	0.0	0.0
31	31	32	2	1	0	0	0.0	0.0
32	32	33	2	1	0	0	0.0	0.0
33	33	34	2	1	0	0	0.0	0.0
34	34	35	2	1	0	0	0.0	0.0
35	35	36	2	1	0	0	0.0	0.0
36	36	37	2	1	0	0	0.0	0.0
37	37	38	2	1	0	0	0.0	0.0
38	38	39	2	1	0	0	0.0	0.0
39	39	40	2	1	0	0	0.0	0.0
40	40	41	2	1	0	0	0.0	0.0
41	41	42	2	1	0	0	0.0	0.0
42	42	43	2	1	0	0	0.0	0.0
43	43	44	2	1	0	0	0.0	0.0
44	44	45	2	1	0	0	0.0	0.0
45	45	46	2	1	0	0	0.0	0.0
46	46	47	2	1	0	0	0.0	0.0
47	47	48	2	1	0	0	0.0	0.0
48	48	49	2	1	0	0	0.0	0.0
49	49	50	2	1	0	0	0.0	0.0
50	50	51	2	1	0	0	0.0	0.0
51	51	52	2	1	0	0	0.0	0.0
52	52	53	2	1	0	0	0.0	0.0
53	53	54	2	1	0	0	0.0	0.0
54	54	55	2	1	0	0	0.0	0.0
61	1	31	3	1	1	1	0.0	0.0
62	2	32	4	1	1	1	0.0	0.0
63	3	33	3	1	1	1	0.0	0.0
64	4	34	5	1	1	1	0.0	0.0
65	5	35	6	1	1	1	0.0	0.0
66	6	36	5	1	1	1	0.0	0.0
67	7	37	5	1	1	1	0.0	0.0



No	ノードNo		断面No	材質No	結合No		剛域 [cm]	
	i端	j端			i端	j端	i端	j端
68	8	38	5	1	1	1	0.0	0.0
69	9	39	5	1	1	1	0.0	0.0
70	11	41	5	1	1	1	0.0	0.0
71	12	42	5	1	1	1	0.0	0.0
72	13	43	5	1	1	1	0.0	0.0
73	14	44	5	1	1	1	0.0	0.0
74	15	45	5	1	1	1	0.0	0.0
75	17	47	5	1	1	1	0.0	0.0
76	18	48	5	1	1	1	0.0	0.0
77	19	49	5	1	1	1	0.0	0.0
78	20	50	5	1	1	1	0.0	0.0
79	21	51	6	1	1	1	0.0	0.0
80	22	52	5	1	1	1	0.0	0.0
81	23	53	3	1	1	1	0.0	0.0
82	24	54	4	1	1	1	0.0	0.0
83	25	55	3	1	1	1	0.0	0.0
91	1	32	3	1	1	1	0.0	0.0
92	2	33	3	1	1	1	0.0	0.0
93	33	4	4	1	1	1	0.0	0.0
94	4	35	4	1	1	1	0.0	0.0
95	35	6	4	1	1	1	0.0	0.0
96	6	37	4	1	1	1	0.0	0.0
97	37	8	5	1	1	1	0.0	0.0
98	8	39	5	1	1	1	0.0	0.0
99	39	11	5	1	1	1	0.0	0.0
100	41	12	5	1	1	1	0.0	0.0
101	12	43	5	1	1	1	0.0	0.0
102	43	14	5	1	1	1	0.0	0.0
103	14	45	5	1	1	1	0.0	0.0
104	15	47	5	1	1	1	0.0	0.0
105	47	18	5	1	1	1	0.0	0.0
106	18	49	5	1	1	1	0.0	0.0
107	49	20	4	1	1	1	0.0	0.0
108	20	51	4	1	1	1	0.0	0.0
109	51	22	4	1	1	1	0.0	0.0
110	22	53	4	1	1	1	0.0	0.0
111	53	24	3	1	1	1	0.0	0.0
112	54	25	3	1	1	1	0.0	0.0

【荷重ケース 1】DL+LL

No	ノードNo			TYPE	方向	P 1	P 2	P 3	P 4	P 5	P 6
	<1>	<2>	<3>								
1	31	55	0		0.000kN	-65.600kN	0.000kNm				
2	32	54	0		0.000kN	-15.700kN	0.000kNm				
3	33	53	0		0.000kN	-97.700kN	0.000kNm				
4	34	52	0		0.000kN	-14.300kN	0.000kNm				
5	35	51	0		0.000kN	-70.800kN	0.000kNm				
6	36	50	0		0.000kN	-14.300kN	0.000kNm				
7	37	49	0		0.000kN	-35.000kN	0.000kNm				
8	38	48	0		0.000kN	-10.500kN	0.000kNm				
9	39	47	0		0.000kN	-16.400kN	0.000kNm				
10	41	45	0		0.000kN	-54.000kN	0.000kNm				

【支点反力】

※※ 荷重ケース 1 ※※ DL+LL

節点No	Rx [kN]	Ry [kN]	Rm [kNm]
3	400.4	394.3	0.0
23	-400.4	394.3	0.0
合計	0.0	788.6	0.0

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【節点変位】

※※ 荷重ケース 1 ※※ DL+LL

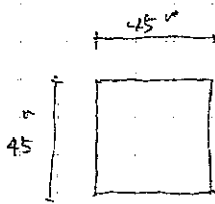
節点No	δx [cm]	δy [cm]	θ [rad]	節点No	δx [cm]	δy [cm]	θ [rad]
1	0.154574	-0.509803	0.00095865	31	0.071204	-0.520649	0.00095163
2	0.081641	-0.232885	0.00118792	32	0.017428	-0.250847	0.00106958
3	0.000000	0.000000	-0.00016793	33	0.002578	-0.048274	-0.00018560
4	-0.026723	-0.308493	-0.00156620	34	0.063591	-0.312190	-0.00150639
5	0.013054	-0.687217	-0.00140175	35	0.146944	-0.687226	-0.00146050
6	0.040451	-1.004040	-0.00106771	36	0.166890	-1.007882	-0.00096381
7	0.057010	-1.207184	-0.00080179	37	0.162360	-1.205662	-0.00078889
8	0.071337	-1.400066	-0.00040184	38	0.146301	-1.402128	-0.00041095
9	0.047220	-1.414586	0.00001618	39	0.093745	-1.415296	0.00016561
10	0.038283	-1.440861	0.00059538	40	0.069269	-1.426596	-0.00073952
11	0.033118	-1.485455	-0.00069212	41	0.059521	-1.490084	-0.00089556
12	0.010631	-1.556004	-0.00007553	42	0.019840	-1.556115	-0.00001387
13	0.000000	-1.554373	0.00000000	43	0.000000	-1.552363	0.00000000
14	-0.010631	-1.556004	0.00007553	44	-0.019840	-1.556115	0.00001387
15	-0.033118	-1.485455	0.00069212	45	-0.059521	-1.490084	0.00089556
16	-0.038283	-1.440861	0.00059538	46	-0.069269	-1.426596	0.00073952
17	-0.047220	-1.414586	-0.00001618	47	-0.093745	-1.415296	-0.00016561
18	-0.071337	-1.400066	0.00040184	48	-0.146301	-1.402128	0.00041095
19	-0.057010	-1.207184	0.00080179	49	-0.162360	-1.205662	0.00078889
20	-0.040451	-1.004040	0.00106771	50	-0.166890	-1.007882	0.00096381
21	-0.013054	-0.687217	0.00140175	51	-0.146944	-0.687226	0.00146050
22	0.026723	-0.308493	0.00156620	52	-0.063591	-0.312190	0.00150639
23	0.000000	0.000000	0.00016793	53	-0.002578	-0.048274	0.00018560
24	-0.081641	-0.232885	-0.00118792	54	-0.017428	-0.250847	-0.00106958
25	-0.154574	-0.509803	-0.00095865	55	-0.071204	-0.520649	-0.00095163

【部材応力】

※※ 荷重ケース 1 ※※ DL+LL

部材No	ノ 節点No		M [kNm]		Q [kN]		N [kN]		
	i 端	j 端	i 端	中央	j 端	i 端	i 端	j 端	
1	1	2	0.0	1.8	3.6	1.3	-1.3	117.2	-117.2
2	2	3	-3.6	-10.7	-25.1	-10.3	10.3	231.5	-231.5
3	3	4	25.1	-12.2	0.7	10.2	-10.2	643.9	-643.9
4	4	5	-0.7	1.4	2.2	0.6	-0.6	261.9	-261.9
5	5	6	-2.2	2.9	3.6	0.6	-0.6	261.9	-261.9
6	6	7	-3.6	1.0	-1.6	-2.1	2.1	121.8	-121.8
7	7	8	1.6	1.5	4.7	2.5	-2.5	122.7	-122.7
8	8	9	-4.7	1.6	-1.5	-2.4	2.4	136.7	-136.7
9	9	10	1.5	-4.4	-7.4	-4.5	4.5	136.3	-136.3
10	10	11	7.4	-1.9	3.7	22.3	-22.3	134.5	-134.5
11	11	12	-3.7	3.0	2.3	-0.7	0.7	146.4	-146.4
12	12	13	-2.3	0.7	-0.8	-3.1	3.1	138.5	-138.5
13	13	14	0.8	0.7	2.3	3.1	-3.1	138.5	-138.5
14	14	15	-2.3	3.0	3.7	0.7	-0.7	146.4	-146.4
15	15	16	-3.7	-1.9	-7.4	-22.3	22.3	134.5	-134.5
16	16	17	7.4	-4.4	-1.5	4.5	-4.5	136.3	-136.3
17	17	18	1.5	1.6	4.7	2.4	-2.4	136.7	-136.7
18	18	19	-4.7	1.5	-1.6	-2.5	2.5	122.7	-122.7
19	19	20	1.6	1.0	3.6	2.1	-2.1	121.8	-121.8
20	20	21	-3.6	2.9	2.2	-0.6	0.6	261.9	-261.9
21	21	22	-2.2	1.4	0.7	-0.6	0.6	261.9	-261.9
22	22	23	-0.7	-12.2	-25.1	-10.2	10.2	643.9	-643.9
23	23	24	25.1	-10.7	3.6	10.3	-10.3	231.5	-231.5
24	24	25	-3.6	1.8	0.0	-1.3	1.3	117.2	-117.2
31	31	32	0.0	0.4	0.8	0.3	-0.3	0.1	-0.1
32	32	33	-0.8	-4.4	-9.5	-3.7	3.7	-117.7	117.7
33	33	34	9.5	-5.1	-0.6	3.5	-3.5	-41.6	41.6
34	34	35	0.6	0.2	0.9	0.6	-0.6	-42.2	42.2
35	35	36	-0.9	1.9	2.9	0.8	-0.8	223.6	-223.6
36	36	37	-2.9	0.7	-1.5	-1.7	1.7	223.1	-223.1

部材No	ノ節点No		M [kNm]			Q [kN]		N [kN]	
	i端	j端	i端	中央	j端	i端	j端	i端	j端
37	37	38	1.5	1.4	4.4	2.4	-2.4	280.1	-280.1
38	38	39	-4.4	2.2	0.0	-1.8	1.8	279.2	-279.2
39	39	40	0.0	-6.6	-13.2	-9.9	9.9	257.0	-257.0
40	40	41	13.2	-3.0	7.1	40.6	-40.6	253.9	-253.9
41	41	42	-7.1	4.3	1.4	-2.9	2.9	258.4	-258.4
42	42	43	-1.4	0.1	-1.1	-2.5	2.5	258.4	-258.4
43	43	44	1.1	0.1	1.4	2.5	-2.5	258.4	-258.4
44	44	45	-1.4	4.3	7.1	2.9	-2.9	258.4	-258.4
45	45	46	-7.1	-3.0	-13.2	-40.6	40.6	253.9	-253.9
46	46	47	13.2	-6.6	0.0	9.9	-9.9	257.0	-257.0
47	47	48	0.0	2.2	4.4	1.8	-1.8	279.2	-279.2
48	48	49	-4.4	1.4	-1.5	-2.4	2.4	280.1	-280.1
49	49	50	1.5	0.7	2.9	1.7	-1.7	223.1	-223.1
50	50	51	-2.9	1.9	0.9	-0.8	0.8	223.6	-223.6
51	51	52	-0.9	0.2	-0.6	-0.6	0.6	-42.2	42.2
52	52	53	0.6	-5.1	-9.5	-3.5	3.5	-41.6	41.6
53	53	54	9.5	-4.4	0.8	3.7	-3.7	-117.7	117.7
54	54	55	-0.8	0.4	0.0	-0.3	0.3	0.1	-0.1
61	1	31	0.0	0.0	0.0	0.0	0.0	65.9	-65.9
62	2	32	0.0	0.0	0.0	0.0	0.0	78.8	-78.8
63	3	33	0.0	0.0	0.0	0.0	0.0	293.3	-293.3
64	4	34	0.0	0.0	0.0	0.0	0.0	11.3	-11.3
65	5	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	6	36	0.0	0.0	0.0	0.0	0.0	11.7	-11.7
67	7	37	0.0	0.0	0.0	0.0	0.0	-4.6	4.6
68	8	38	0.0	0.0	0.0	0.0	0.0	6.3	-6.3
69	9	39	0.0	0.0	0.0	0.0	0.0	2.2	-2.2
70	11	41	0.0	0.0	0.0	0.0	0.0	14.1	-14.1
71	12	42	0.0	0.0	0.0	0.0	0.0	0.3	-0.3
72	13	43	0.0	0.0	0.0	0.0	0.0	-6.1	6.1
73	14	44	0.0	0.0	0.0	0.0	0.0	0.3	-0.3
74	15	45	0.0	0.0	0.0	0.0	0.0	14.1	-14.1
75	17	47	0.0	0.0	0.0	0.0	0.0	2.2	-2.2
76	18	48	0.0	0.0	0.0	0.0	0.0	6.3	-6.3
77	19	49	0.0	0.0	0.0	0.0	0.0	-4.6	4.6
78	20	50	0.0	0.0	0.0	0.0	0.0	11.7	-11.7
79	21	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	22	52	0.0	0.0	0.0	0.0	0.0	11.3	-11.3
81	23	53	0.0	0.0	0.0	0.0	0.0	293.3	-293.3
82	24	54	0.0	0.0	0.0	0.0	0.0	78.8	-78.8
83	25	55	0.0	0.0	0.0	0.0	0.0	65.9	-65.9
91	1	32	0.0	0.0	0.0	0.0	0.0	-145.9	145.9
92	2	33	0.0	0.0	0.0	0.0	0.0	-145.4	145.4
93	33	4	0.0	0.0	0.0	0.0	0.0	-205.3	205.3
94	4	35	0.0	0.0	0.0	0.0	0.0	242.6	-242.6
95	35	6	0.0	0.0	0.0	0.0	0.0	-82.6	82.6
96	6	37	0.0	0.0	0.0	0.0	0.0	80.5	-80.5
97	37	8	0.0	0.0	0.0	0.0	0.0	7.0	-7.0
98	8	39	0.0	0.0	0.0	0.0	0.0	-10.9	10.9
99	39	11	0.0	0.0	0.0	0.0	0.0	14.8	-14.8
100	41	12	0.0	0.0	0.0	0.0	0.0	-5.7	5.7
101	12	43	0.0	0.0	0.0	0.0	0.0	6.6	-6.6
102	43	14	0.0	0.0	0.0	0.0	0.0	6.6	-6.6
103	14	45	0.0	0.0	0.0	0.0	0.0	-5.7	5.7
104	15	47	0.0	0.0	0.0	0.0	0.0	14.8	-14.8
105	47	18	0.0	0.0	0.0	0.0	0.0	-10.9	10.9
106	18	49	0.0	0.0	0.0	0.0	0.0	7.0	-7.0
107	49	20	0.0	0.0	0.0	0.0	0.0	80.5	-80.5
108	20	51	0.0	0.0	0.0	0.0	0.0	-82.6	82.6
109	51	22	0.0	0.0	0.0	0.0	0.0	242.6	-242.6
110	22	53	0.0	0.0	0.0	0.0	0.0	-205.3	205.3
111	53	24	0.0	0.0	0.0	0.0	0.0	-145.4	145.4
112	54	25	0.0	0.0	0.0	0.0	0.0	-145.9	145.9



Roof load

finish	600	} 2300 $\frac{N}{m^2}$
Roof frame	1200	
PV	500	

$$45 \times 45 \times 23 = 4658 \text{ kN}$$

2 Floor load  $8.0 \frac{\text{kN}}{m^2} \times 2 = 16 \frac{\text{kN}}{m^2}$

FO Foundation  $5 \text{ m} \times 5 \text{ m}$

$$\text{Total axial force} = \frac{4658}{4/25} + 16 = 62.6 \frac{\text{kN}}{m^2}$$

$< 100 \frac{\text{kN}}{m^2}$

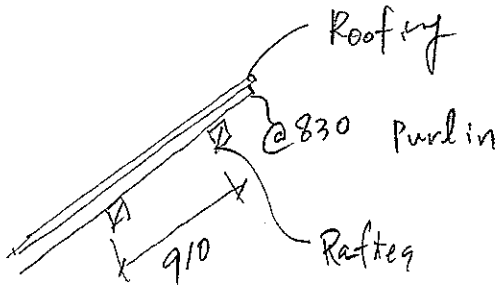
SC-7.

No. 22. President office.

- PV panel and support frame : Weight is  $0.5\text{kN/m}^2$
- Purlin and Rafter are confirmed with the existent member.
- There is no problem in the safety because additional weight is  $0.5\text{kN/m}^2$  with the main structure member.

1. 既存部材の検討  
President Office.

The examination of the existent member



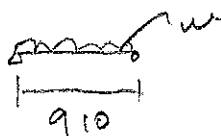
Weight.

Roofing + bond.	150		
Purlin	50		
Rafters	100	200	300

PV panel + Support

$$\frac{500}{800} \text{ N/m}^2$$

for Purlin



$$w = 0.7 \text{ kN/m}^2 \times 0.83 = 0.6 \text{ kN/m}$$

$$M = \frac{1}{8} \times 0.6 \times 0.91^2 = 0.062 \text{ kNm}$$

$$Q = \frac{1}{2} \times 0.6 \times 0.91 = 0.28 \text{ kN}$$

$$\square - 50 \times 50 \text{ mm}$$

$$I_x = \frac{50 \times 50^3}{12} = 520,830 \text{ mm}^4$$

$$Z_x = \frac{50 \times 50^2}{6} = 20,830 \text{ mm}^3$$

$$E = 8000 \text{ N/mm}^2$$

$$A = 2500 \text{ mm}^2$$

$$f_b = \frac{2}{3} \times 1.1 = 0.7$$

$$f_t = 2.1$$

$$\sigma_b = \frac{0.062 \times 10^6}{20830} = 3.0 \text{ N/mm}^2$$

$$\sigma_b / f_b = 0.4 < 1.0$$

$$\tau_s = \frac{0.28 \times 10^3}{2500} = 0.12 < 2.1$$

OK

$$I_{max} = \frac{5 \times 0.6 \times 910^4}{384 \times 8000 \times 520830} = 1.3 \text{ mm} = \frac{1}{900} \text{ mm}$$

OK

3. 屋根鉄骨部材の算定

母屋 Rafters

Timber



	部材	□ - 150	x 50			
Span	スパン L (m),	ピッチ (m)		Span	Pitch	
				2.80	0.91	
Load	荷重	Wg	(KN/m <sup>2</sup> )	2.00		
				0.80		
Bending Moment						
曲げモーメント	xMg	(KN·m)		$\omega \cdot \sin \theta \cdot L^2 / 8 =$		0.18
	yMg	(KN·m)		$\omega \cdot \cos \theta \cdot L^2 / 8 =$		0.62
Shear force						
せん断力	yQg	(KN)		$\omega \cdot \cos \theta \cdot L / 2 =$		0.90
断面性能						
	Iy	(cm <sup>4</sup> )		1400		
	Ix	(cm <sup>4</sup> )		155		
	Zy	(cm <sup>3</sup> )		185		
	Zx	(cm <sup>3</sup> )		62		
許容曲げ応力度	fb	(KN/cm <sup>2</sup> )		0.77		
曲げ応力度	xσb = xM/Zx	(KN/cm <sup>2</sup> )		0.3		
曲げ応力度	yσb = yM/Zy	(KN/cm <sup>2</sup> )		0.34		
応力度比	(xσb + yσb) / fb	≤ 1		0.83	≤	1 OK
撓み	δg	(cm)		0.67		
	δ/L ≥ 300			418	≥	300 OK



母屋



部材 □ - 150 x 50

スパン L (m), ピッチ (m)		2.80	0.91
荷重 Wg (KN/m <sup>2</sup> )		2.00	
		0.80	
曲げモーメント xMg (KN・m)	$\omega \cdot \text{SIN } \theta \cdot L^2/8 =$	0.09	
yMg (KN・m)	$\omega \cdot \text{COS } \theta \cdot L^2/8 =$	0.69	
せん断力 yQg (KN)	$\omega \cdot \text{COS } \theta \cdot L/2 =$	1.00	
断面性能 Iy (cm <sup>4</sup> )		1400	
Ix (cm <sup>4</sup> )		155	
Zy (cm <sup>3</sup> )		185	
Zx (cm <sup>3</sup> )		62	
許容曲げ応力度 fb (KN/cm <sup>2</sup> )		0.77	
曲げ応力度 x $\sigma b = xM/Zx$ (KN/cm <sup>2</sup> )		0.15	
曲げ応力度 y $\sigma b = yM/Zy$ (KN/cm <sup>2</sup> )		0.38	
応力度比 $(x\sigma b + y\sigma b)/fb \leq 1$		0.69	$\leq 1$ OK
撓み $\delta g$ (cm)		0.85	
$\delta/L \geq 300$		329	$\geq 300$ OK

2. AS- Build DWG

AMENDMENTS:

CONTENTS:  
PLAN OF ROOF STRUCTURE  
OVER THREE STOREY BLOCK

DWG NO: 57/16

PROJECT:  
PROPOSED NEW BUILDING  
FOR THE PRESIDENT'S OFFICE

CLIENT:  
THE PRESIDENT'S OFFICE

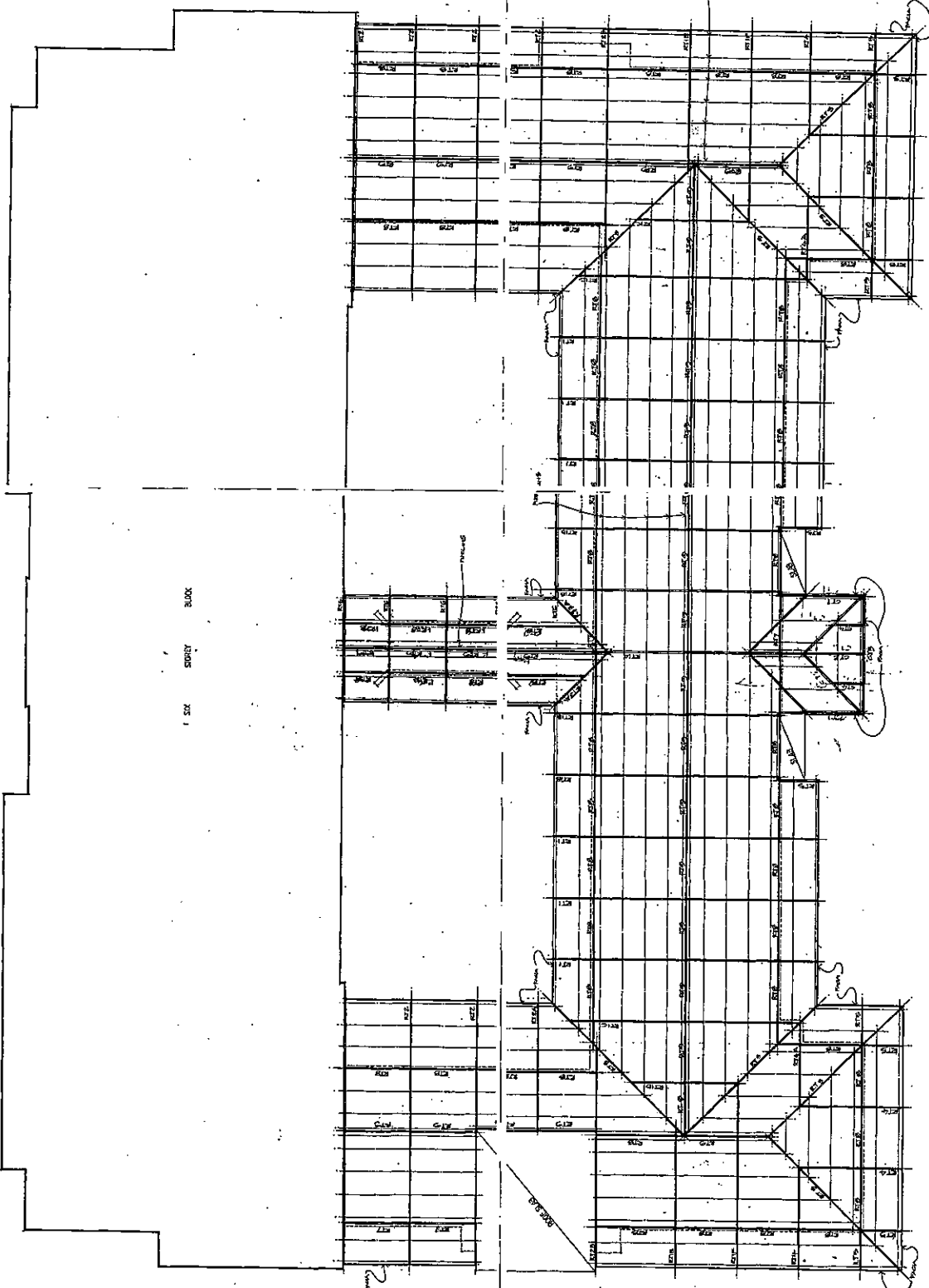
DESIGNED BY: SIVAKUMARAN

DRAWN BY: KAWAN

DATE: AUGUST '16

CHECKED BY:

DWG NO: FILE: DRAWER NO:



661

PLAN OF ROOF STRUCTURE OVER THREE STOREY BLOCK 1:100

PO-4







AMENDMENTS:

COMMENTS:  
**ROOF TERRACE TRUSS LAYOUT**

DWG NO:

PROJECT:  
**PROPOSED NEW BUILDING FOR THE PRESIDENT'S OFFICE**

CLIENT:  
**THE PRESIDENT'S OFFICE**

DESIGNED BY: **IB**

DRAWN BY: **MM**

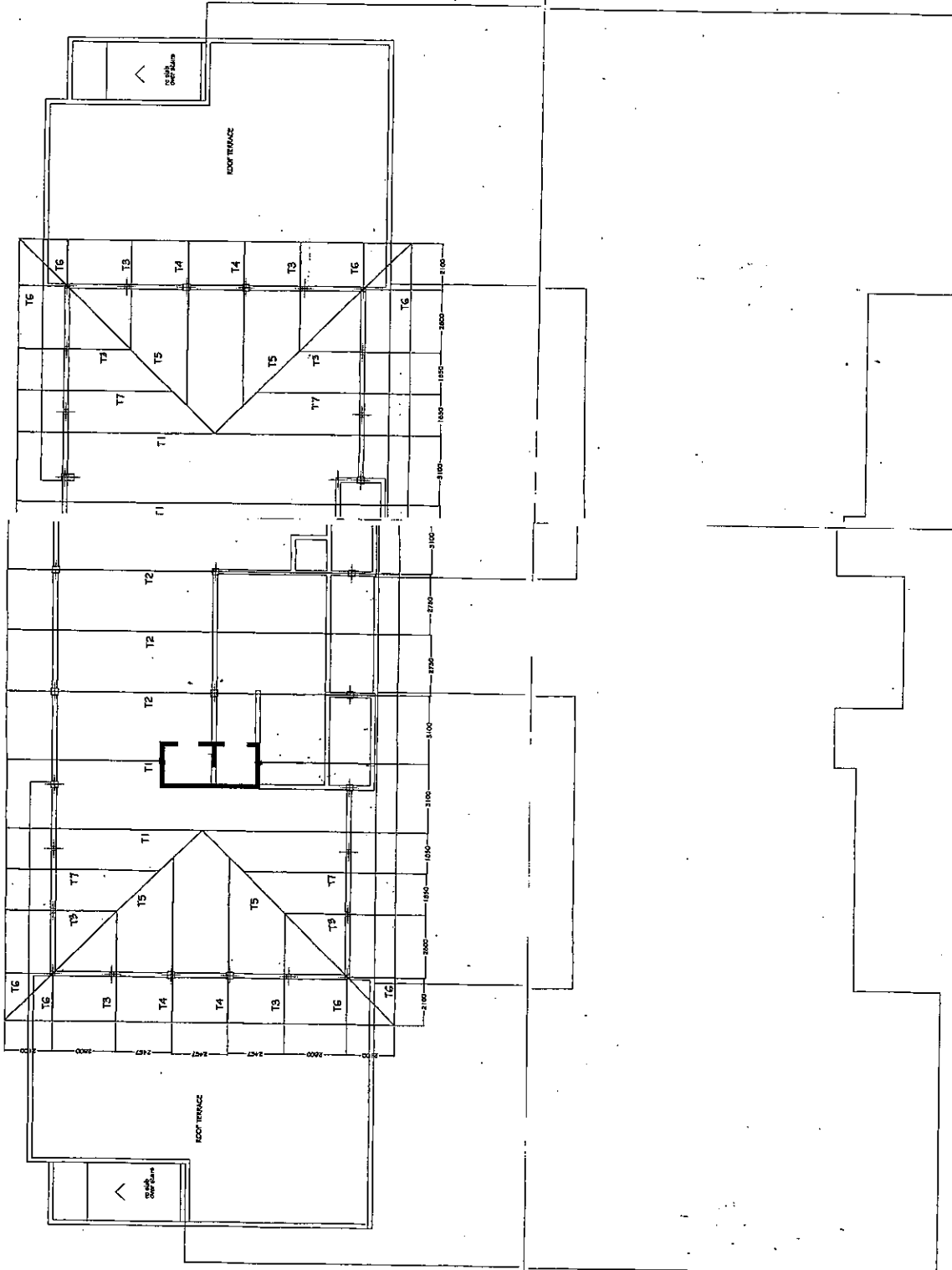
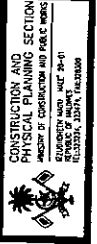
DATE: **NOVEMBER 11**

CHECKED BY:

DATE:

FILE:

FILE NO: **DRWNR NO:**



**ROOF TERRACE TRUSS LAYOUT**

102

PO-8

