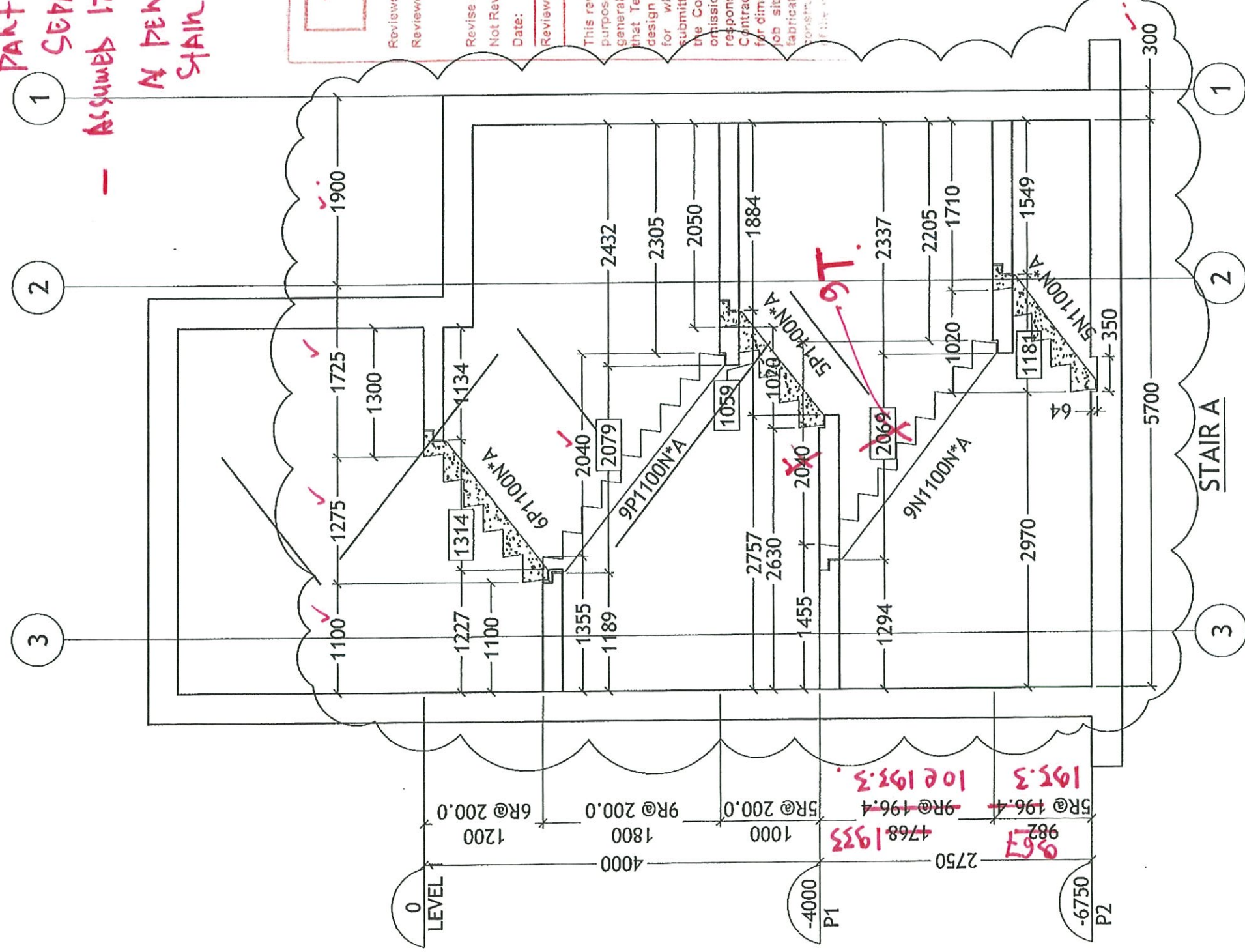


~~*A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.~~

- WHEN DOES THIS APPLY?
THERE IS NO AS-JERISK *
ON THROATS NOTED.

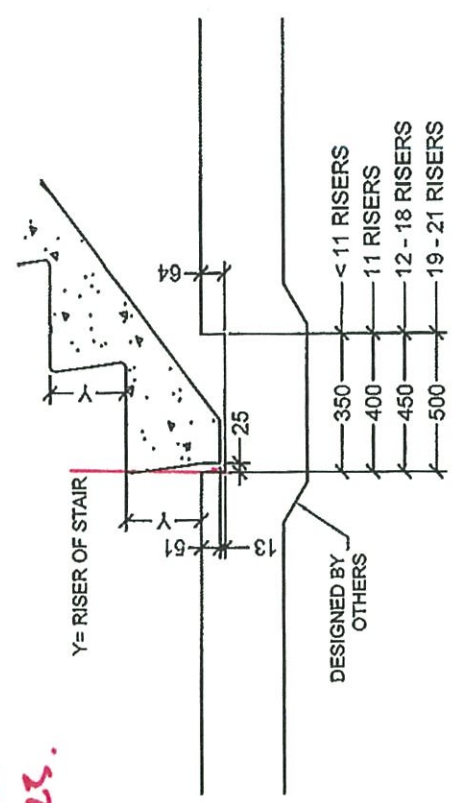
- THE STAIR IN THIS SECTION IS NOT PART OF A 2 HOUR FIRE SEPARATION.

- ASSUMED 127 THROAT ALL STAIRS AT PEN S-1S - TYPICAL STAIR SETTING DETAIL



REVISE AS PER. AS 1-02
ISSUED. 2015-03-23.

DRAWING REVIEW	
The review of this drawing does not in any way relieve the contractor of responsibility for its accuracy or for compliance with the contract documents.	
No Comment	See Comment
Approved	Rejected
Resubmit	See Remark
Submission No. <u>13915</u>	
Project No. <u>13915</u>	
By: <u>AP</u>	
Date: <u>APR 22 2015</u>	
JABLONSKY AS1 & PARTNERS Consulting Engineers 1129 Leslie St. Don Mills ON M3C 2K5	



SLAB ON GRADE DETAIL ✓

Teeple Architects™

Reviewed ()
Reviewed as noted ()

Revise and resubmit ()
Not Reviewed ()

Date: 15 04 10.

Reviewed by:

This review by Teeple Architects Inc. in the sole purpose of ascertaining compliance with the general design concept, this review does not constitute an approval of the design. Teeple Architects Inc. approves the design inherent in the shop drawings, drawings for which shall remain with Teeple Architects Inc. The Contractor of the responsibility for omissions in the shop drawings, drawings, responsibility for meeting all requirements of Contract Documents. The Contractor is responsible for dimensions to be confirmed and verified on job site, for information that may be required for fabrication and installation of the work.

NO.	ISSUED FOR REVIEW	DATE
1		MAR 25/15
0		JAN 20/15

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE SUPPLIER.

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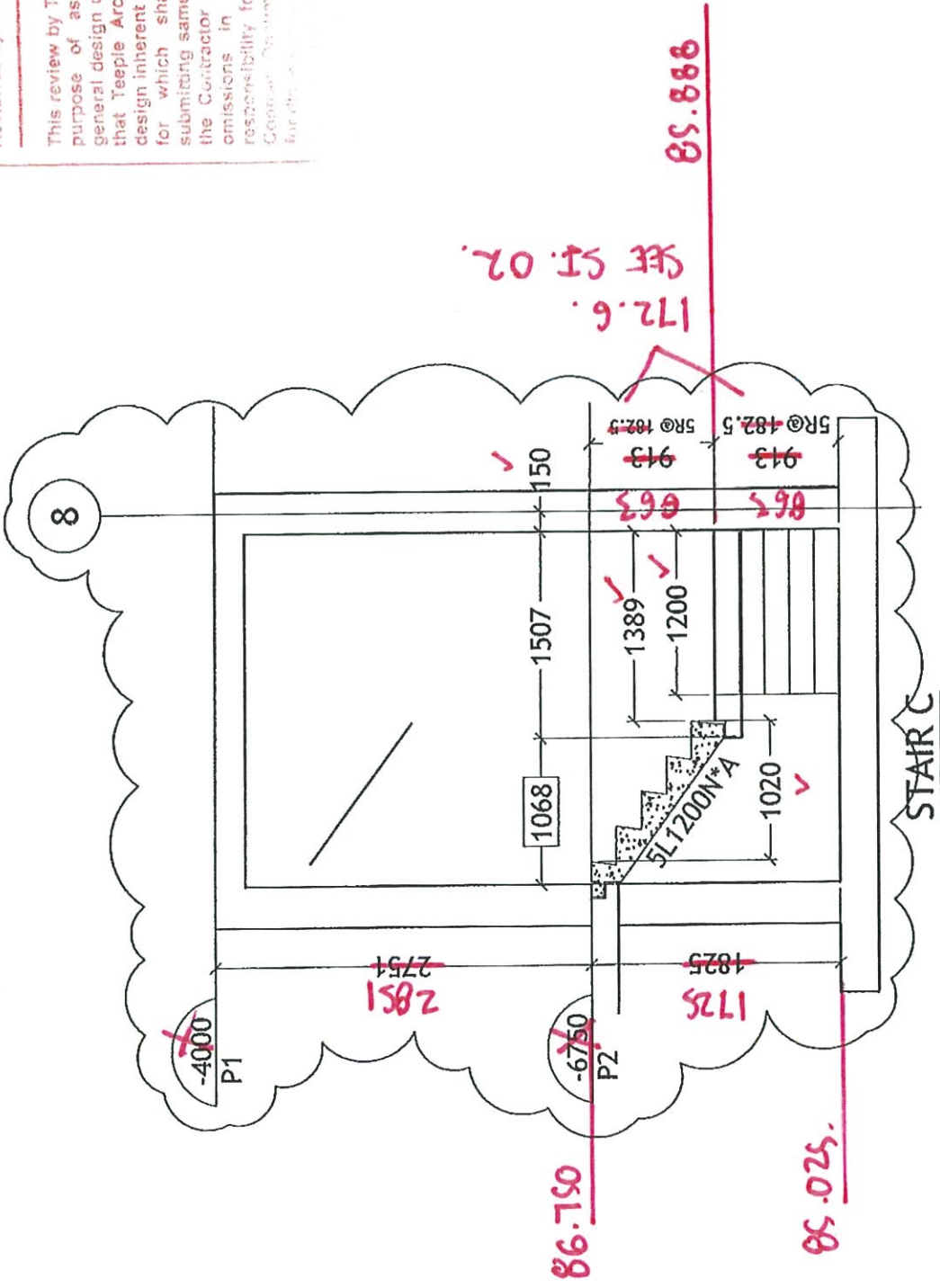
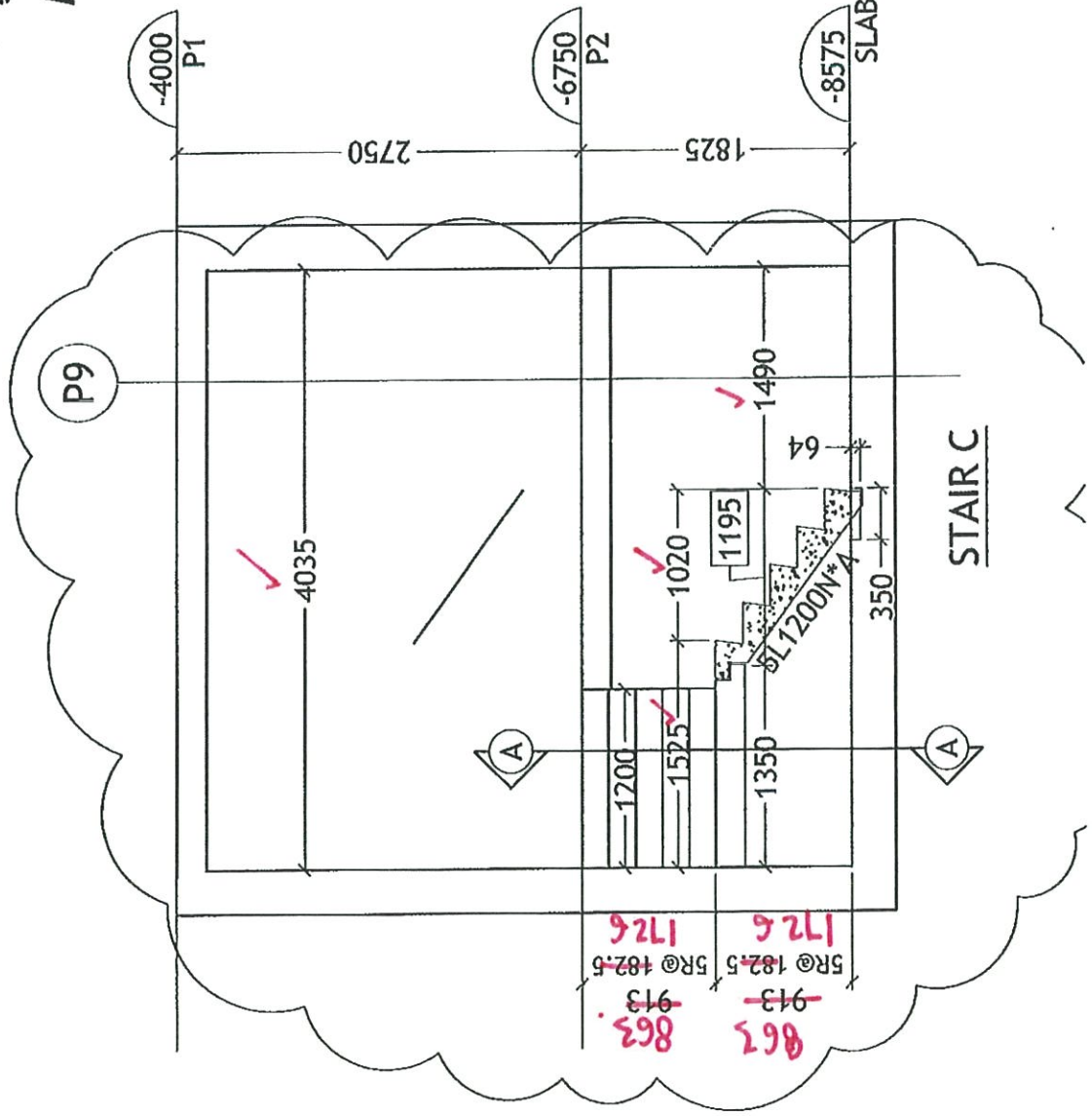


HY-GRADE
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2411 FIRST STREET, R.R. #1
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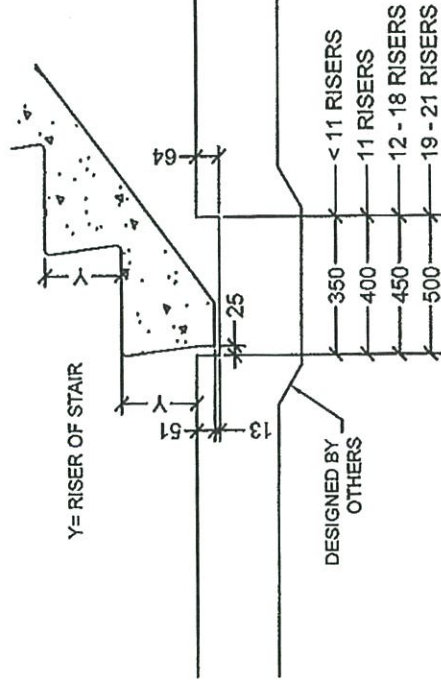
FILE# 2508-15
PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.

TITLE: SECTION STAIR A
DRAWN BY: R.G
SCALE: N.T.S
DWG. NO. S-1

***A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.**



SECTION A-A



SLAB ON GRADE DETAIL

Teepie Architects

Reviewed
Reviewed as noted

Revise and resubmit
Not Reviewed

Date: **15 Oct 10**

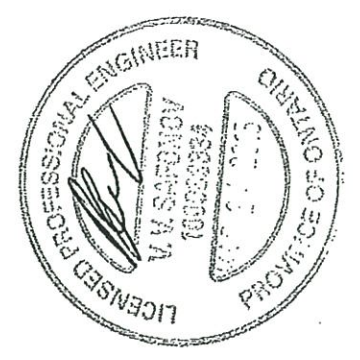
Reviewed by: *[Signature]*

This review by Teepie Architects Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Teepie Architects Inc. approves the design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not be the Contractor's responsibility for meeting all requirements for the project.

NO.	ISSUED FOR REVIEW	COMMENTS	DATE
1			MAR 25/15
0			JAN 20/15

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE SUPPLIER.

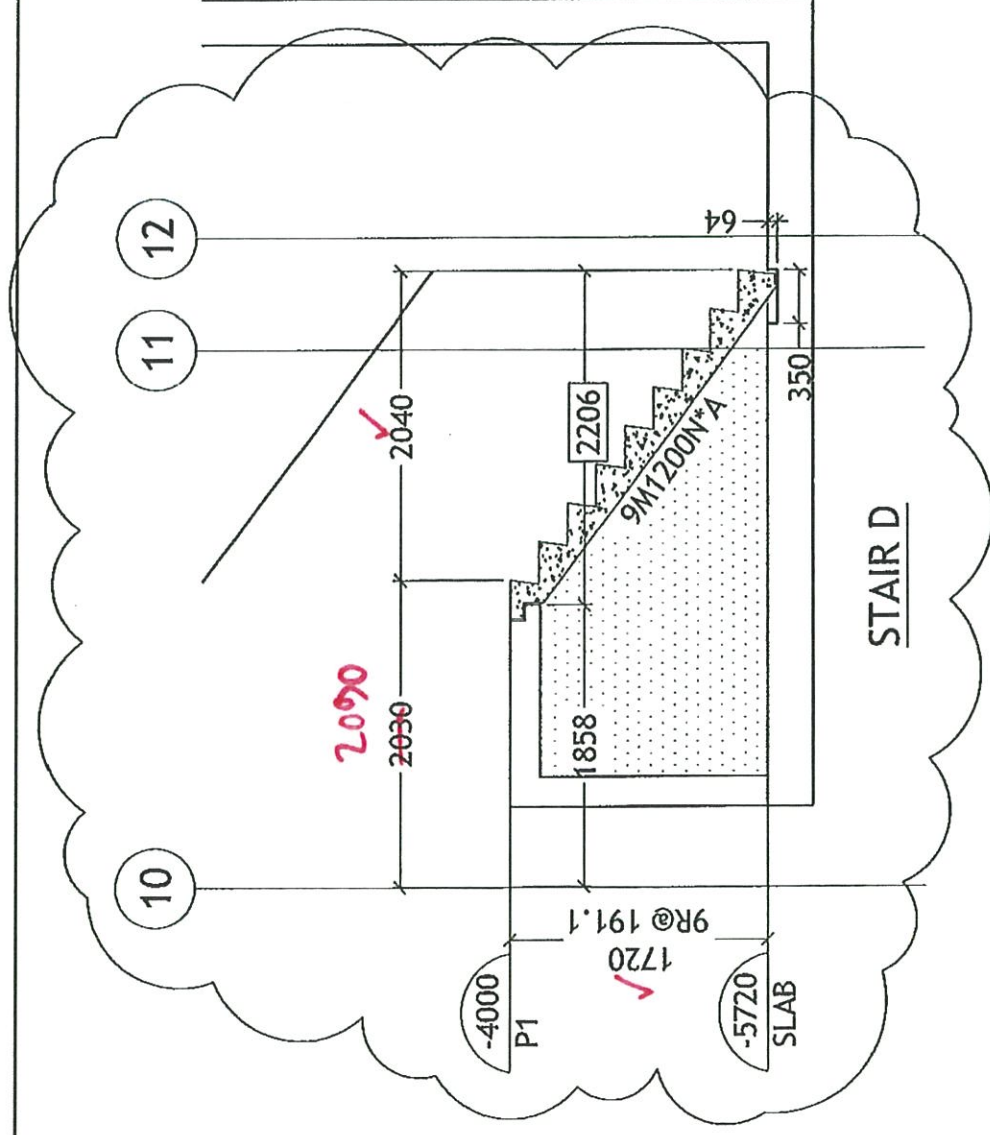
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FILE# 2508-15
PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.

TITLE: SECTION STAIR C
DRAWN BY: R.G
SCALE: N.T.S
DWG. NO. S-3

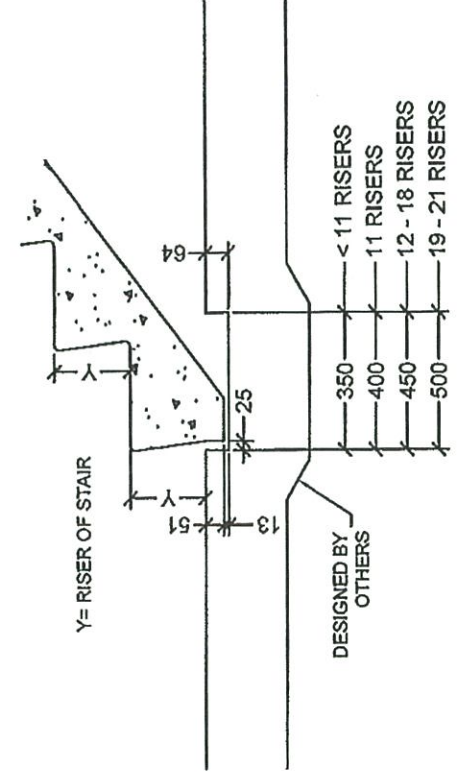
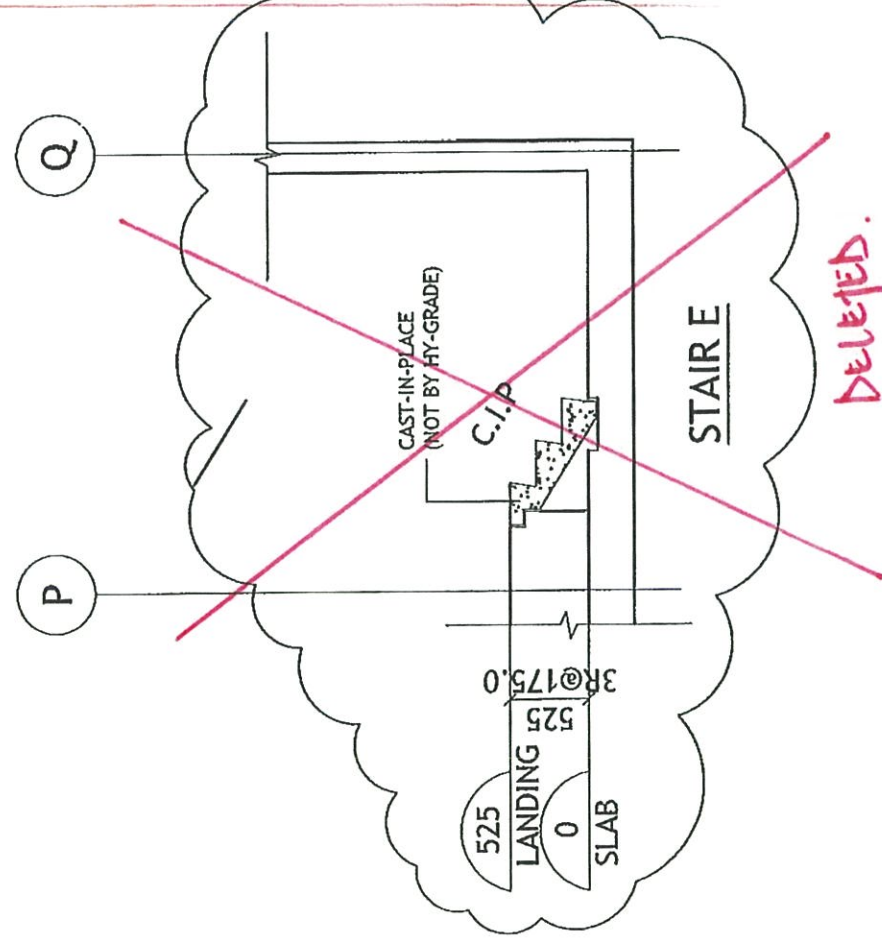


***A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.**

Teepie Architects™

Reviewed (✓)
 Reviewed as noted (✓)
 Revise and resubmit ()
 Not Reviewed ()
 Date: **15 04 10.**
 Reviewed by: *[Signature]*

This review by Teepie Architects Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Teepie Architects Inc. approves the design and design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not be an omission of the responsibility of the Contractor in the shop drawings responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed on the job site for information.



NO.	ISSUED FOR REVIEW	DATE
1	REVISION	MAR 25/15
0	COMMENTS	JAN 20/15

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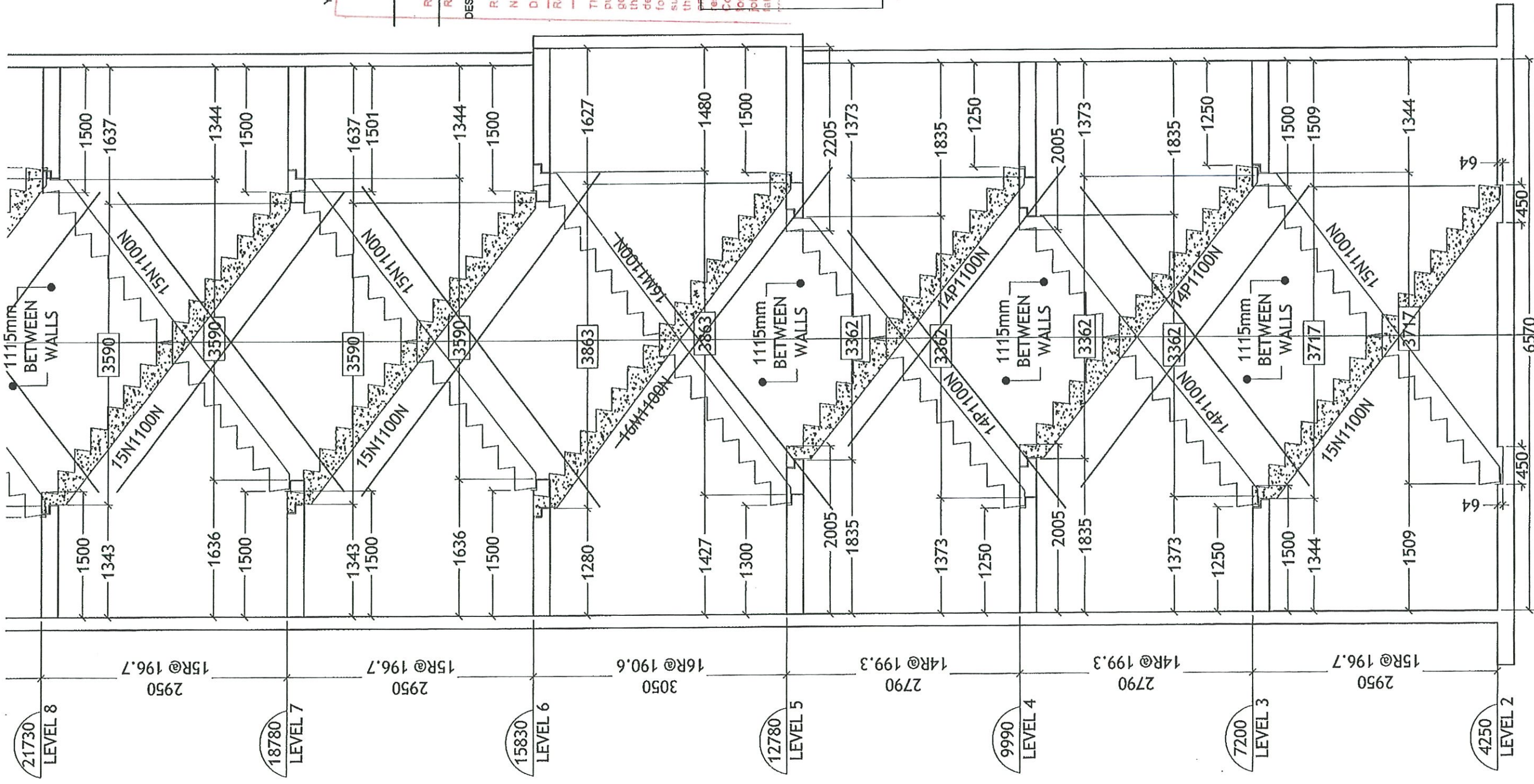
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FILE# 2508-15
 PROJECT: SQ CONDO'S ALEXANDRA PARK
 AVENUE BUILDING CORP.
 TORONTO, ON

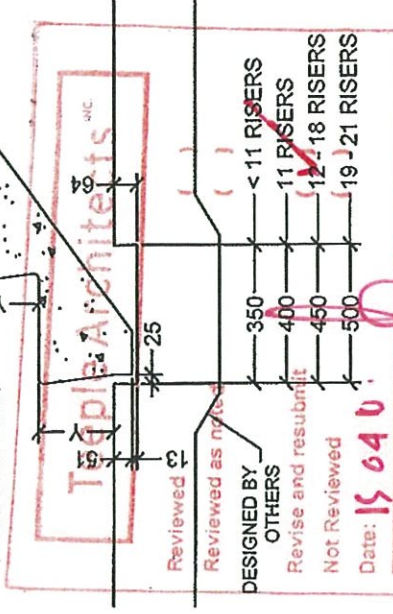
TITLE: SECTION STAIR D & E
 DRAWN BY: R.G
 SCALE: N.T.S
 DWG. NO. S-4



GENERAL NOTES:

- PLEASE VERIFY ALL GRID LINE LOCATIONS.
- ALL STAIRS HAVE A STAIR HEADROOM CLEARANCE OF 2050mm. AS PER O.B.C. 3.4.3.5 (2)
- ALL LANDINGS TO BE A MINIMUM OF 1100mm. AS PER O.B.C. 3.4.6.4 (1)
- BOXED DIMENSIONS ARE FIXED DIMENSIONS, DUE TO STAIR TILTING AND PROPERLY FITTING THE STAIRS BETWEEN LANDINGS. (REFER TO DETAIL SHEET S-15)

Y= RISER OF STAIR



SLAB-ON-GRADE DETAIL

This review by Teople Architects Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Teople Architects Inc. approves the detailed design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of the responsibility for errors or omissions in the shop drawings or of the responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for details not shown but which are required at the job site for conformance with the Contract Documents.

PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS.

TMBAL NOTE: ISSUE PLANS TO HY-GRADE. A201-A226

Reviewed as noted
 DESIGNED BY OTHERS
 Revise and resubmit
 Not Reviewed
 Date: 15 6 0

< 11 RISERS	350
11 RISERS	400
12-18 RISERS	450
19-21 RISERS	500

NO.	COMMENTS	DATE
1	REVISION	MAR 25/15
0	ISSUED FOR REVIEW	JAN 20/15

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 T: 905-684-9568 F: 905-684-9560

PROJECT: SQ CONDO'S ALEXANDRA PARK
 AVENUE BUILDING CORP.
 TORONTO, ON

TITLE: SECTION STAIR F & G
 DRAWN BY: R.G
 SCALE: N.T.S
 DWG. NO. S-5

**- PROVIDE REFERENCE PLAN.
 - DRAW BOTH STAIRS IN SECTION & DIMENSION.
 THIS IS CRITICAL FOR FORMING NOTCHES AT LANDINGS.**

STAIR F & G

GENERAL NOTES:

- PLEASE VERIFY ALL GRID LINE LOCATIONS.
- ALL STAIRS HAVE A STAIR HEADROOM CLEARANCE OF 2050mm. AS PER O.B.C-3.4.3.5 (2)
- ALL LANDINGS TO BE A MINIMUM OF 1100mm. AS PER O.B.C-3.4.6.4 (1)
- BOXED DIMENSIONS ARE FIXED DIMENSIONS, DUE TO STAIR TILTING AND PROPERLY FITTING THE STAIRS BETWEEN LANDINGS. (REFER TO DETAIL SHEET S-15)

Teeple Architects^{INC}

Reviewed ()

Reviewed as noted ()

Revise and resubmit (✓)

Not Reviewed ()

Date: **15 04 10**

Reviewed by:

This review by Teeple Architects Inc. is for the sole purpose of ascertaining performance with a general design concept. This review shall not mean that Teeple Architects Inc. approves the architectural design inherent in the shop drawings, responsibility for which shall remain with the contractor.

PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS.

NO.	COMMENTS	DATE
1	REVISION	MAR 25/15
0	ISSUED FOR REVIEW	JAN 20/15

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FILE# 2508-15

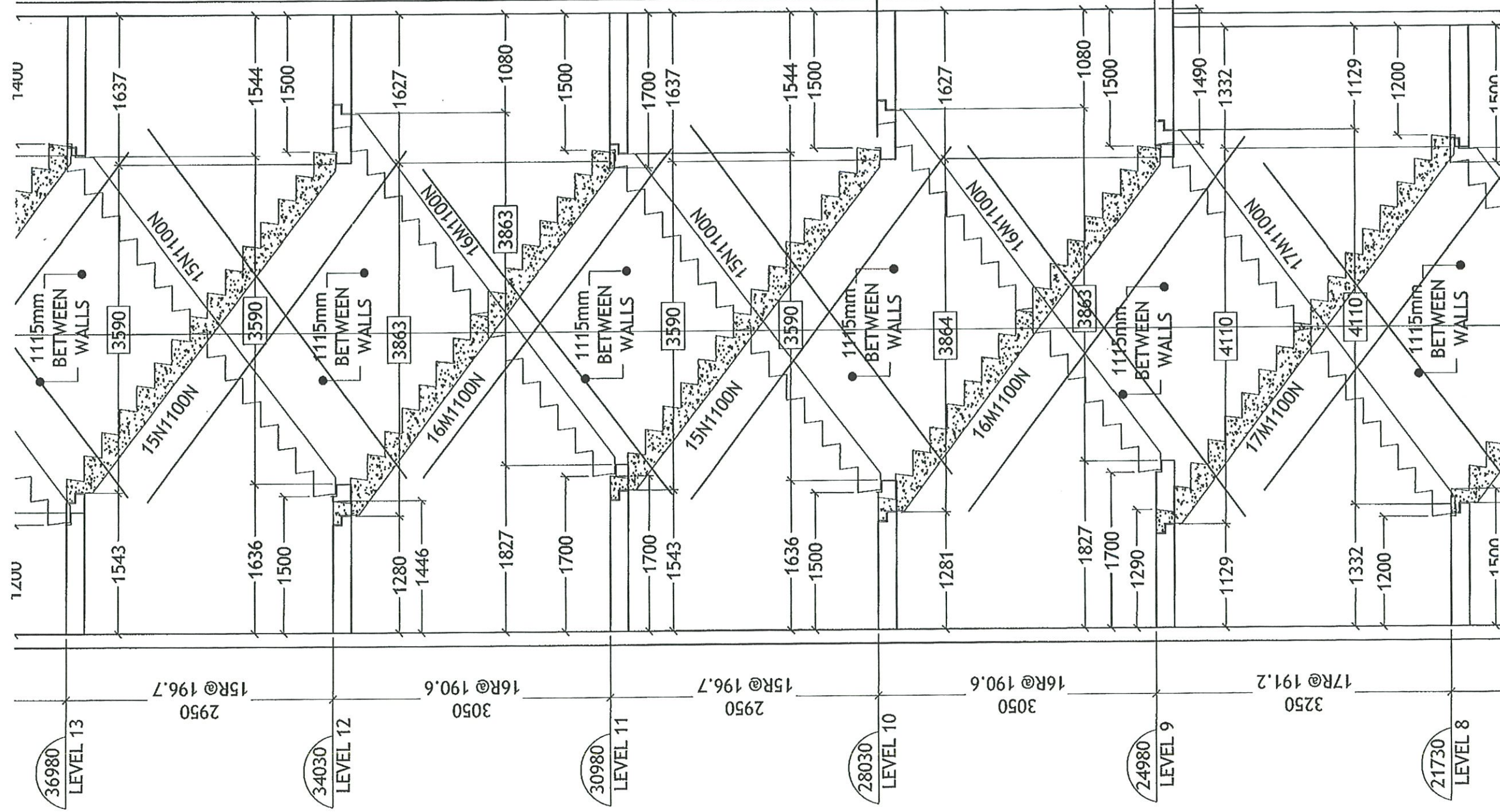
PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.
Toronto, ON

TITLE: SECTION STAIR F & G

DRAWN BY: R.G

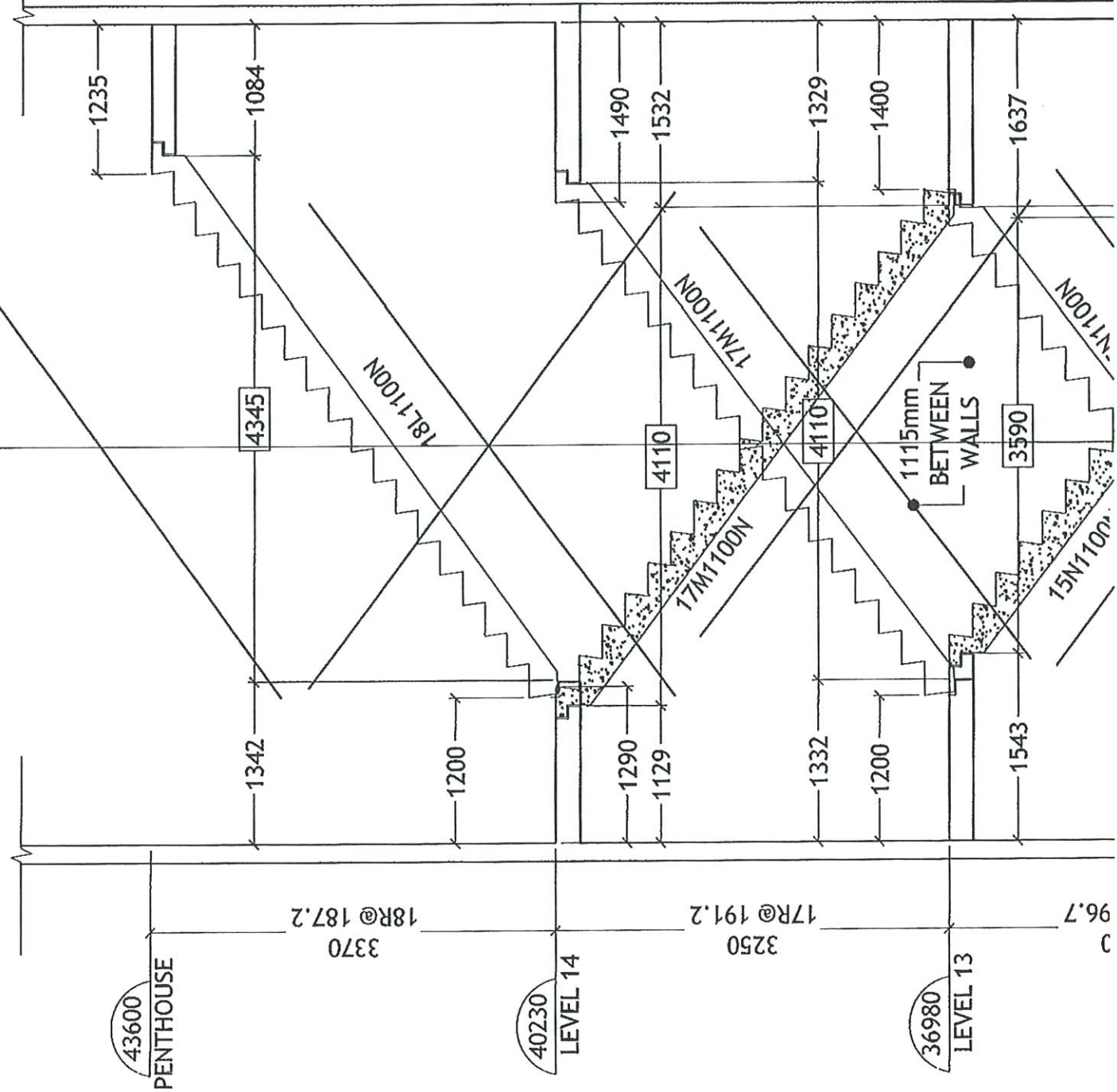
SCALE: N.T.S

DWG. NO. S-6



K

STAIR F & G



GENERAL NOTES:

- PLEASE VERIFY ALL GRID LINE LOCATIONS.
- ALL STAIRS HAVE A STAIR HEADROOM CLEARANCE OF 2050mm. AS PER O.B.C-3.4.3.5 (2)
- ALL LANDINGS TO BE A MINIMUM OF 1100mm. AS PER O.B.C-3.4.6.4 (1)
- BOXED DIMENSIONS ARE FIXED DIMENSIONS, DUE TO STAIR TILTING AND PROPERLY FITTING THE STAIRS BETWEEN LANDINGS. (REFER TO DETAIL SHEET S-15)

Teepie Architects INC.

Reviewed ()

Reviewed as noted ()

Revise and resubmit ()

Not Reviewed ()

Date: 15 04 10'

Reviewed by: **PLEASE PROVIDE ARCHITECTURAL PLAN**

VIEW DRAWINGS TO

GIVE ACCURATE STAIR

LOCATIONS. with the

submitting same, and such review shall be the responsibility of the contractor.

omissions in the shop drawings, or responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed at the job site, for information only.

NO.	REVISION	DATE
1	ISSUED FOR REVIEW	MAR 25/15
0	COMMENTS	JAN 20/15

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FILE# 2508-15

PROJECT: SQ CONDO'S ALEXANDRA PARK
 AVENUE BUILDING CORP.
 TORONTO, ON

TITLE	SECTION STAIR F & G
DRAWN BY:	R.G
SCALE	N.T.S
DWG. NO.	S-7

DRAWN BY: R.G. SCALE: N.T.S. DWG. NO. S-8
 TITLE: STAIR SECTION F
 PROJECT: SQ CONDOS ALEXANDRA PARK
 FILE# 2508-15
 2411 FIRST STREET, R.R. #1
 ST. CATHARINES, ONTARIO, L2R 6P7
 T: 905-684-8568 F: 905-684-8560
HY-GRADE PRECAST CONCRETE

LICENSED PROFESSIONAL ENGINEER
 V.A. SAVINOV
 100008334
 PROVINCE OF ONTARIO

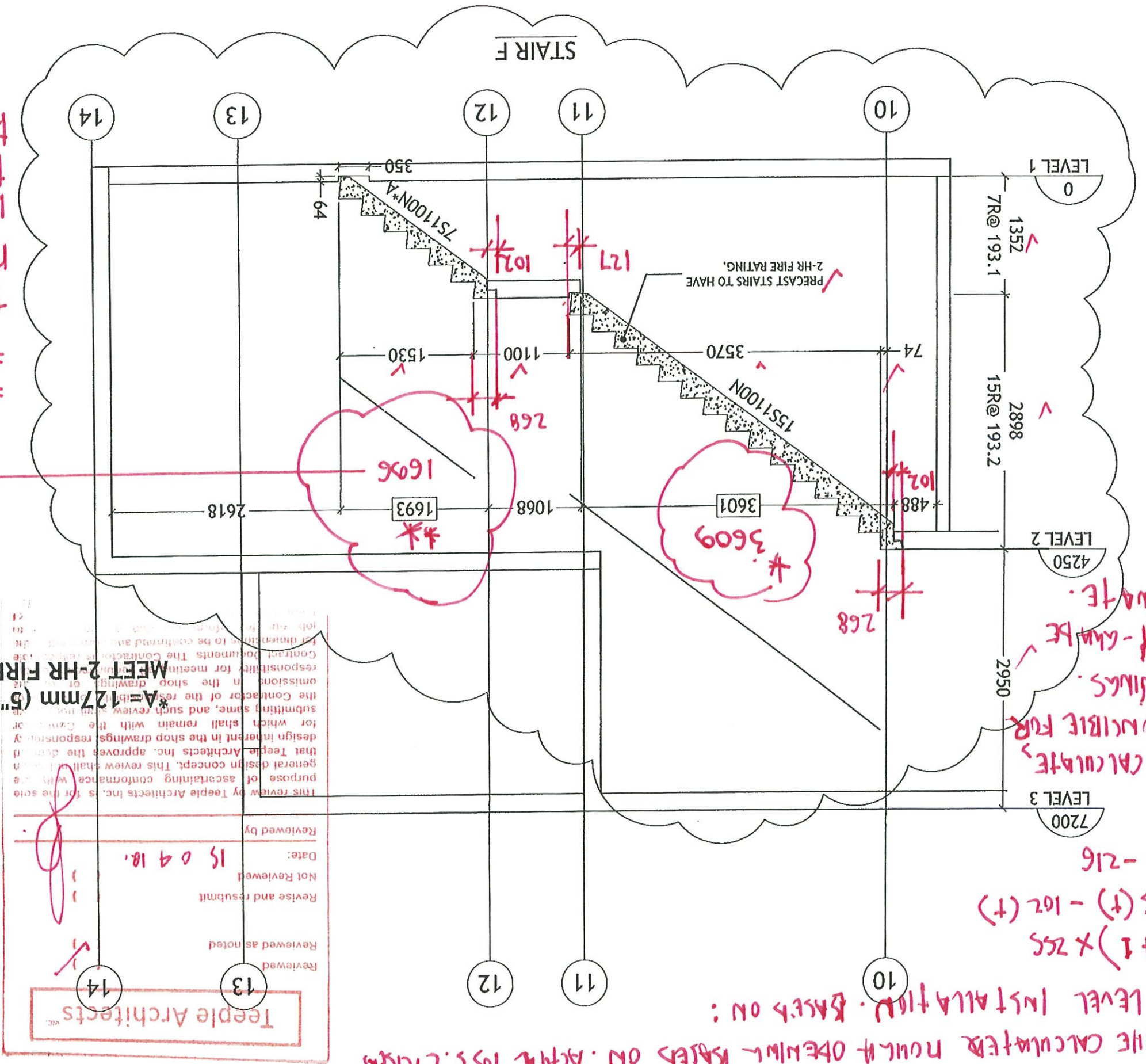
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NO.	DATE	COMMENTS
1	MAR 25/15	REVISION
0	JAN 20/15	ISSUED FOR REVIEW

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THIS STAIR OVERALL RUN WILL BE 1785 - 89 = 1696.
 11 run shorter, but to ANGLE OF PRECAST.

(6+1) x 255 = 1530 + 268 = 1800
 1800 - 102 = 1698



WE CANNOT CALCULATE OR BE RESPONSIBLE FOR ROUNDOFF OF DETAILS. AVENUE OF HY-GRADE TO COORDINATE.

3609 IS THE CALCULATED NUMBER OBTAINED BASED ON ACTUAL 193.2 RISERS AND A LEVEL INSTALLATION. BASED ON:

$$120 = (\# \text{TREADS} + 1) \times 255$$

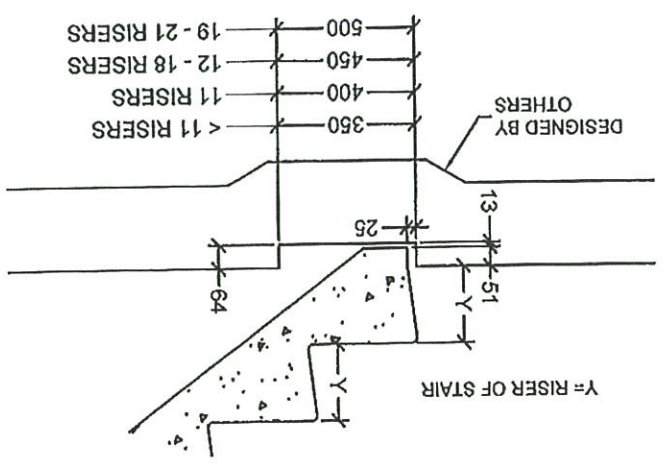
$$= (14 + 1) \times 255 = 216$$

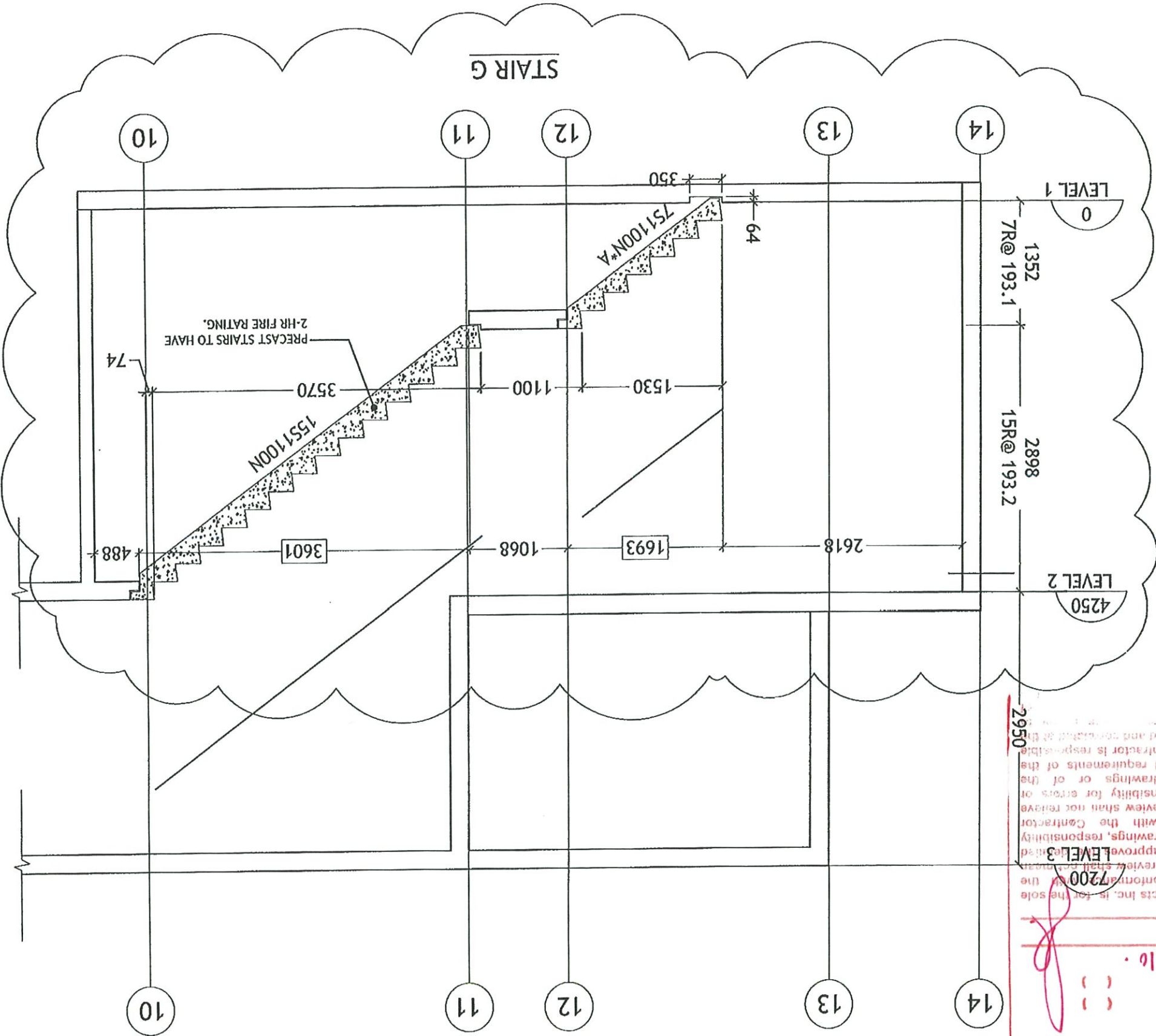
$$= 3609$$

*A = 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.

Teeple Architects
 Reviewed as noted
 Revised and resubmit
 Not Reviewed
 Date: 15 09 18.
 Reviewed by:

SLAB ON GRADE DETAIL





*A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.

Teeple Architects INC.

Reviewed as noted

Not Reviewed

Revise and resubmit

Date: 15 09 10.

Reviewed by: [Signature]

LEVEL 3 7200

LEVEL 2 4250

LEVEL 1 0

2950

1530

1100

1551

751

350

64

74

488

3601

1068

1693

2618

193.1

193.2

2898

1352

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STAIR SECTION G

PROJECT: SQ CONDOS ALEXANDRA PARK
FILE# 2508-15

2411 FIRST STREET, R.R. #1
ST. CATHARINES, ONTARIO, L2R 6P7
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HY-GRADE PRECAST CONCRETE

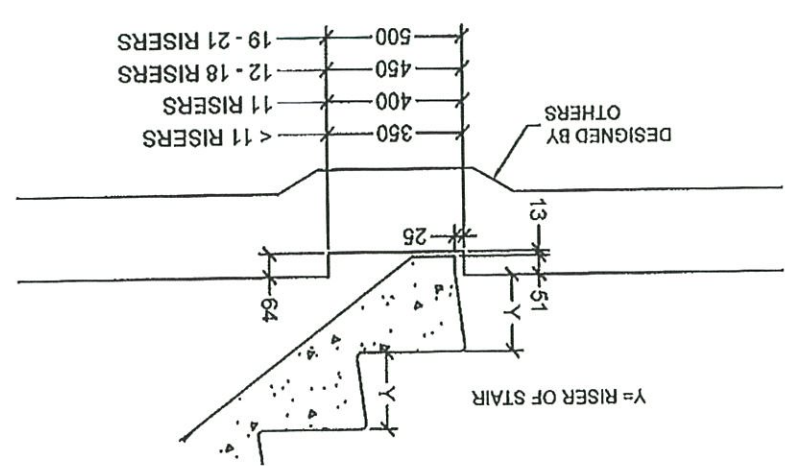
PROFESSIONAL ENGINEER
V.A. SARGONOV
180060334
PROVINCE OF ONTARIO

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NO.	DATE	COMMENTS
1	MAR 25/15	REVISION
0	JAN 20/15	ISSUED FOR REVIEW

SLAB ON GRADE DETAIL



SEE S-8 FOR COMMENTS

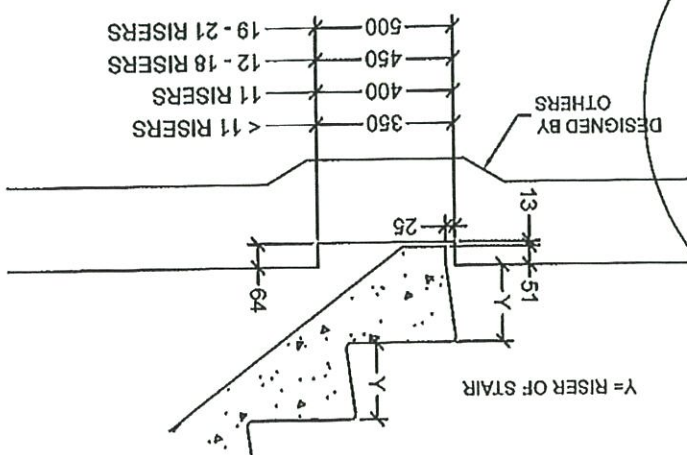
DRAWN BY: R.G.
 SCALE: N.T.S.
 DWG. NO. S-10
TITLE: STAIR SECTION H
 PROJECT: SQ CONDOS ALEXANDRA PARK
 AVENUE BUILDING CORP.
 FILE# 2508-15
 2411 FIRST STREET, R.R. #1
 ST. CATHARINES, ONTARIO, L2R 6P7
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NO.	COMMENTS	DATE
0	ISSUED FOR REVIEW	MAR 25/15

SLAB ON GRADE DETAIL



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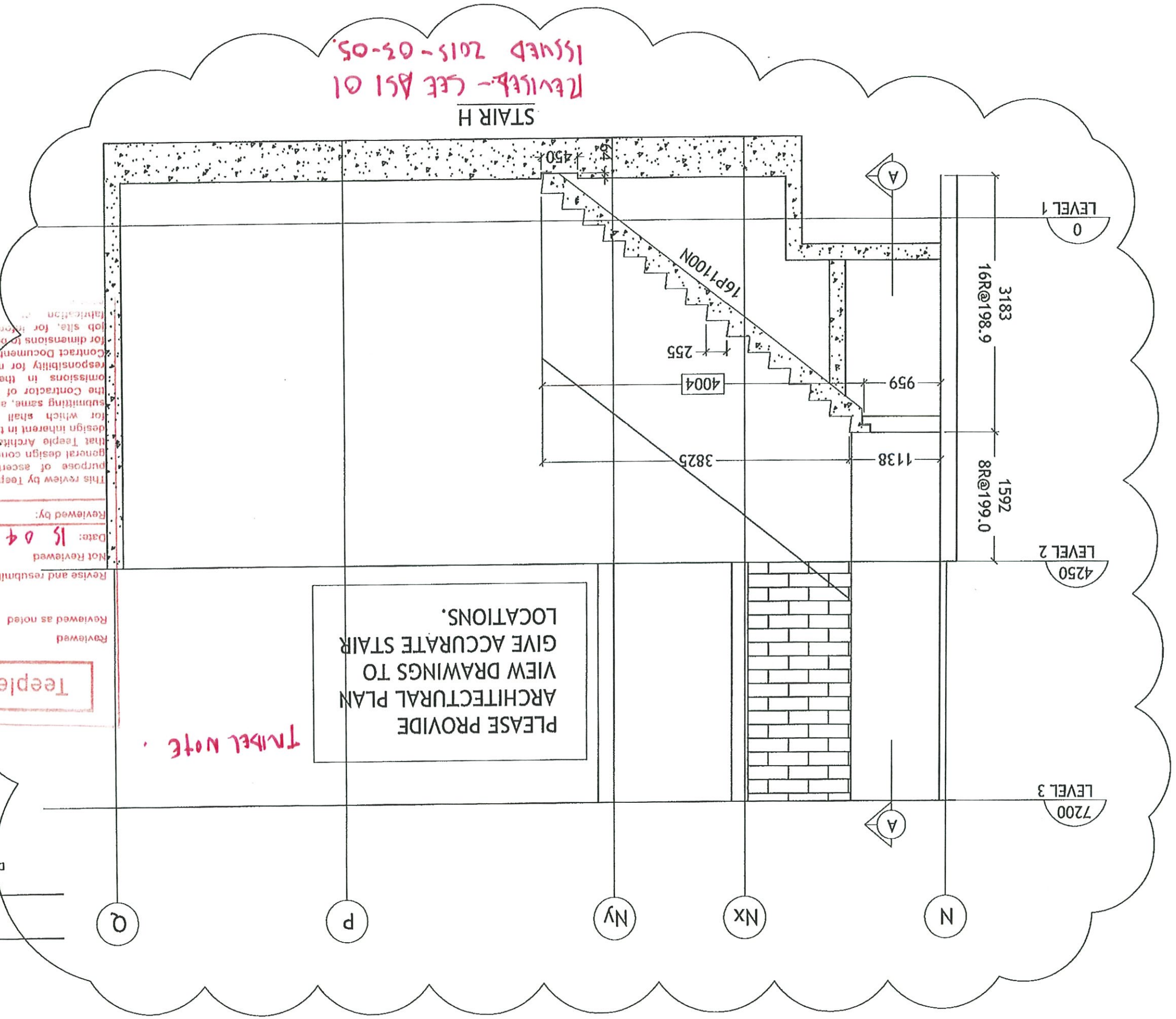
Reviewed by: *[Signature]*
 Date: 15 04 10
 Not Reviewed
 Revise and resubmit
 Reviewed as noted
 Reviewed



Teeple Architects INC.

PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS.

Truibel Note.

STAIR H
 REVISION - SEE A51 01
 ISSUED 2015-03-05



DRAWN BY: R.G	
SCALE: N.T.S	
DWG. NO. S-11	
TITLE: STAIR H SECTION A-A	
PROJECT: SQ CONDOS ALEXANDRA PARK	
FILE# 2508-15	
 HY-GRADE PRECAST CONCRETE 2411 FIRST STREET, R.R. #1 ST. CATHARINES, ONTARIO, L2R 6P7 T: 905-684-8568 F: 905-684-8560	
	
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THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE SUPPLIER.	
NO.	COMMENTS
0	ISSUED FOR REVIEW
	DATE
	MAR 25/15

*A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.

PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS. LABEL NOTE.

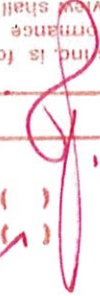
Teepie Architects

Reviewed as noted

Revise and resubmit

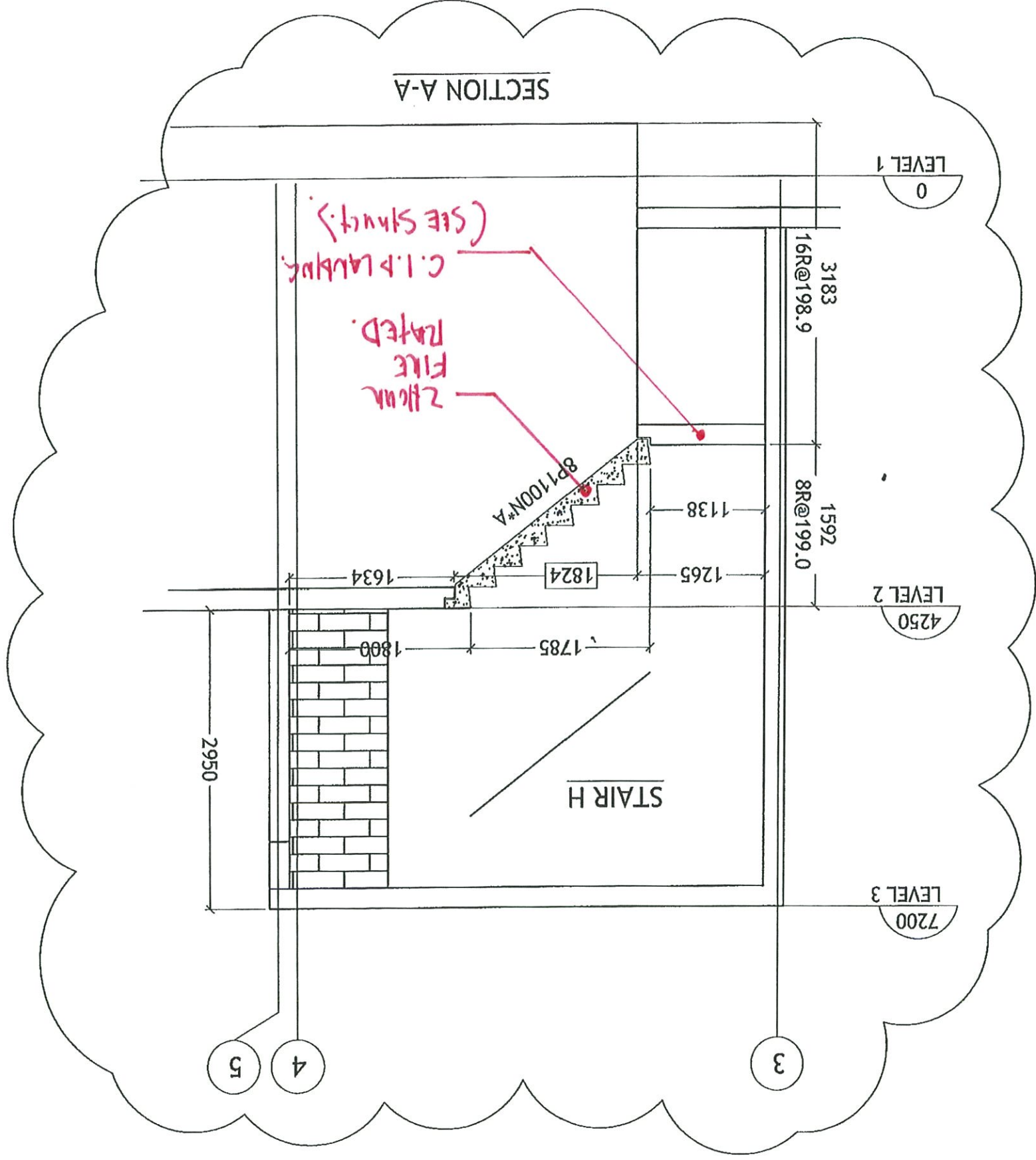
Not Reviewed

Date: 15 Oct 15

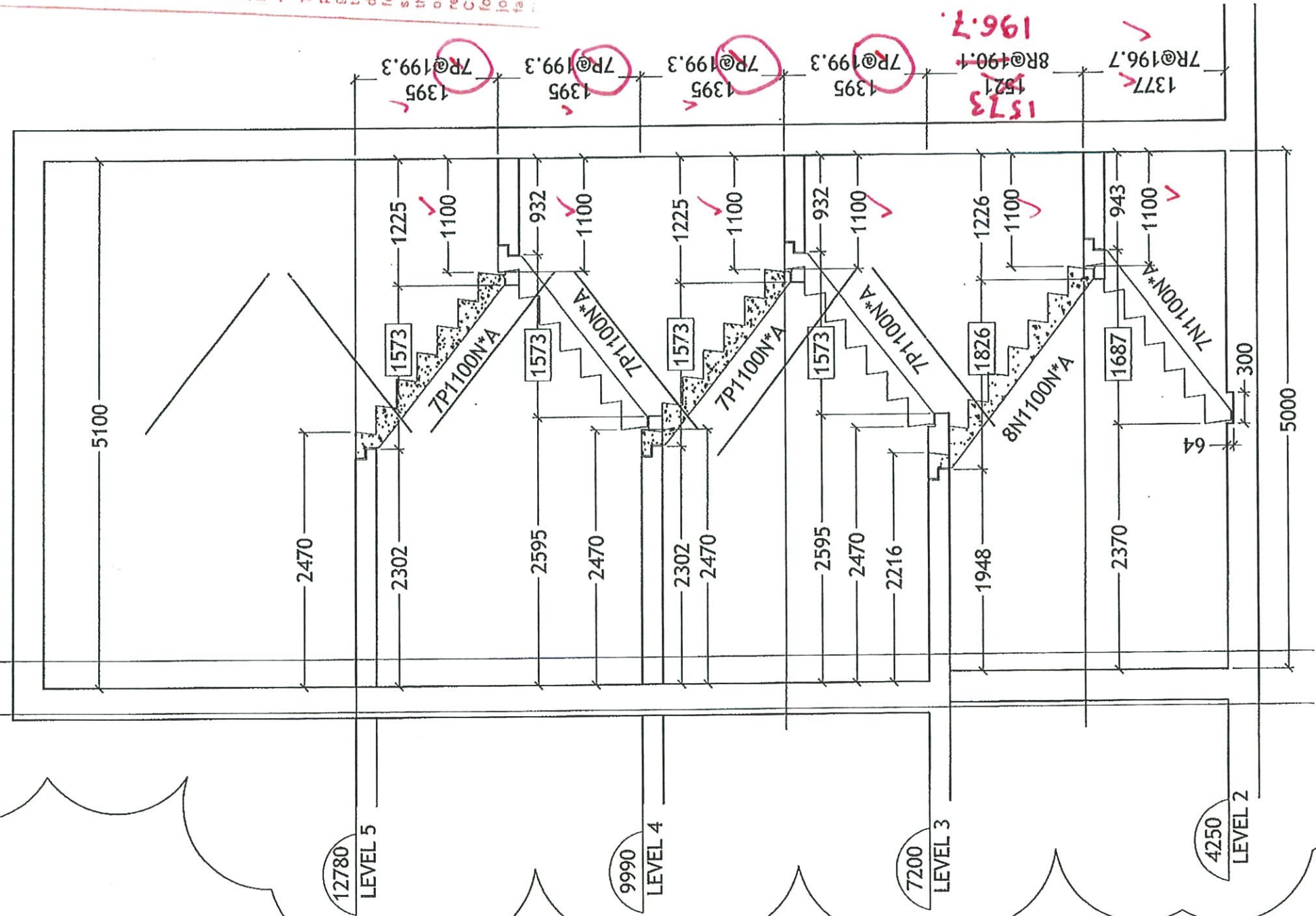
Reviewed by: 

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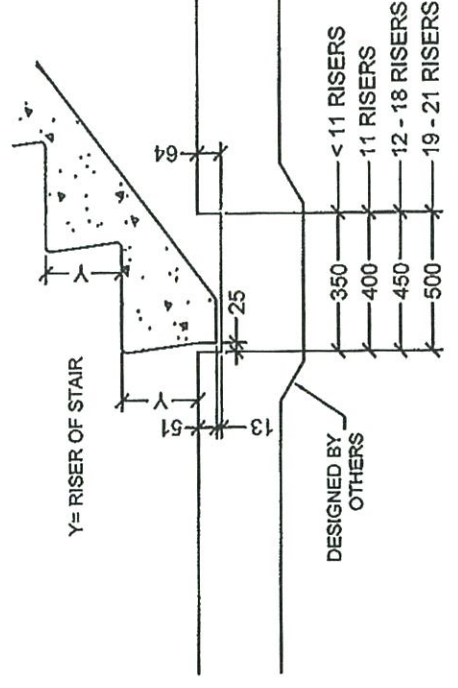
Revised - SEE A1 01
 Issue# 2015-05-05



3
4
5
*A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.



STAIR H



SLAB ON GRADE DETAIL

PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS.

TRIBAL NOTE.

Teepie Architects

Reviewed
Reviewed as noted
Revise and resubmit
Not Reviewed

Date: 15.04.10.

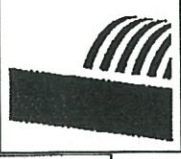
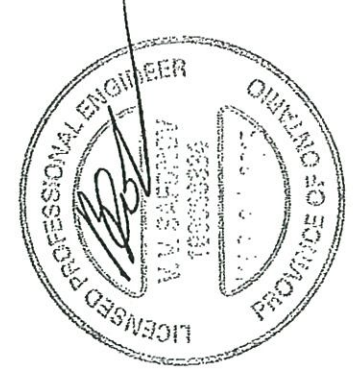
Reviewed by:

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NO.	ISSUED FOR REVIEW	COMMENTS	DATE
0			MAR 25/15

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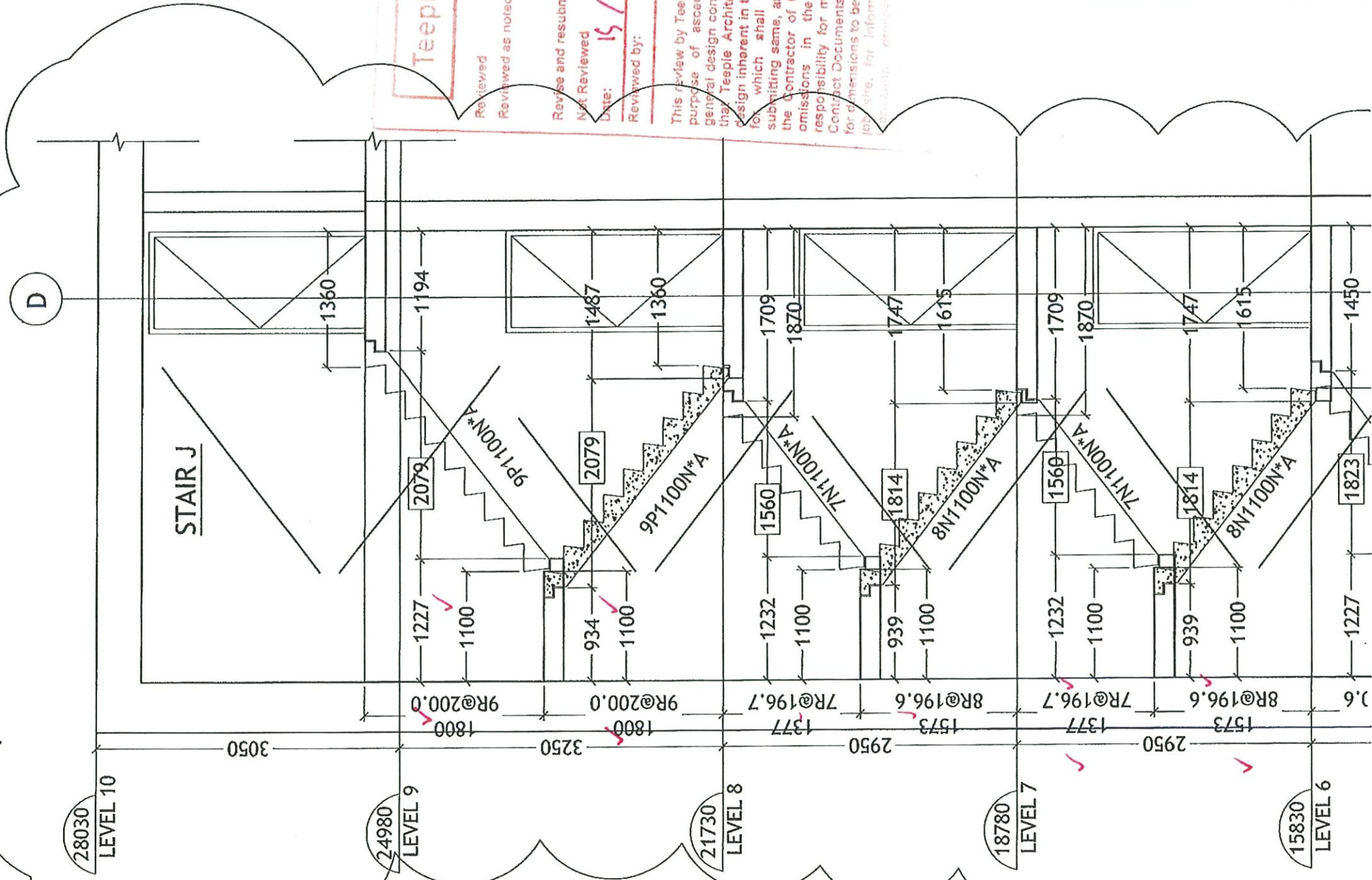


HY-GRADE
PRECAST CONCRETE
2411 FIRST STREET, R.R. #1
ST. CATHARINES, ONTARIO, L2A 6P7
T: 905-684-6568 F: 905-684-6560

PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.
TORONTO, ON
FILE# 2508-15

TITLE: SECTION STAIR H
DRAWN BY: R.G
SCALE: N.T.S
DWG. NO. S-12

***A= 127mm (5") STAIR THROAT TO MEET 2-HR FIRE RATING.**



PLEASE PROVIDE ARCHITECTURAL PLAN VIEW DRAWINGS TO GIVE ACCURATE STAIR LOCATIONS.

*TRIBEL NOTE:
± WITH WEB LATE LAMBDA ARE 1100 AS SHOWN.*

Teepie Architects™

Reviewed (✓)
Reviewed as noted (✓)
Revise and resubmit ()
Not Reviewed ()
Date: **15/04/16**
Reviewed by: *[Signature]*

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NO.	ISSUED FOR REVIEW COMMENTS	DATE
0		MAR 25/15

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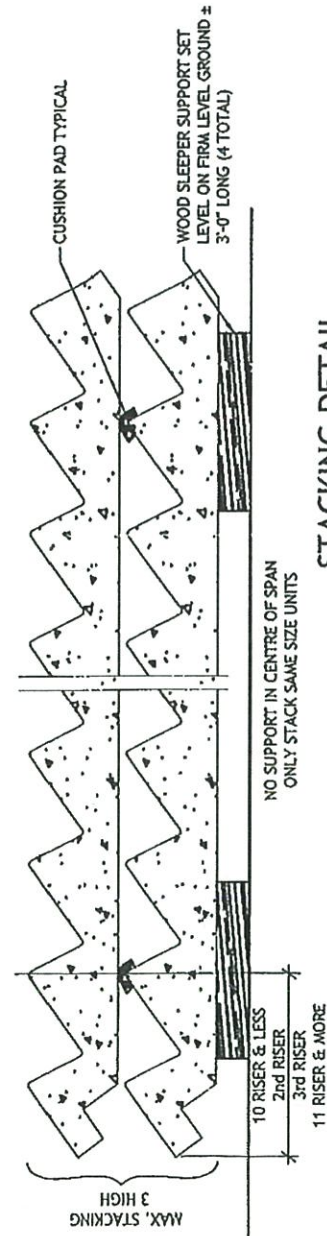
FILE# 2508-15
PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.
TORONTO, ON

TITLE: SECTION STAIR J
DRAWN BY: R.G
SCALE: N.T.S
DWG. NO. S-14

WARNING

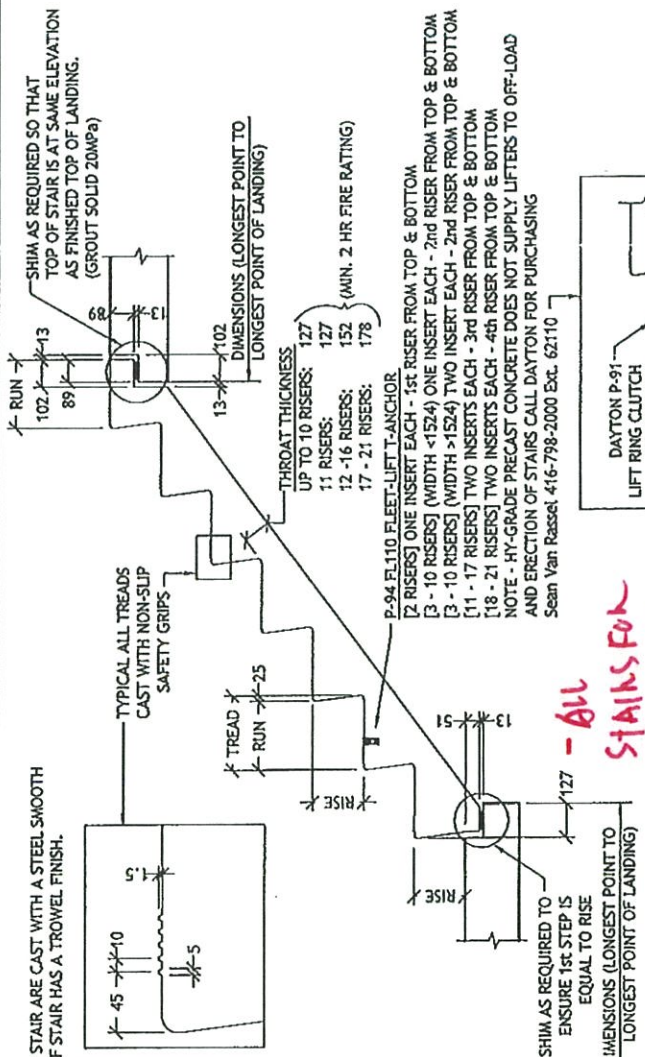
IMPROPER STACKING OF STAIRS CAN LEAD TO CRACKING. FOLLOW THIS DETAIL WHEN PLACING WOOD SLEEPER SUPPORTS AND CUSHIONS UNDER STAIR UNITS

HY-GRADE PRECAST CONCRETE WILL NOT BE RESPONSIBLE FOR DAMAGE RESULTING IN IMPROPER STACKING AND STORAGE



STACKING DETAIL

GENERAL NOTE:
TOP OF STAIR AND SIDES OF STAIR ARE CAST WITH A STEEL SMOOTH FORM FINISH. UNDERSIDE OF STAIR HAS A TROWEL FINISH.



TYPICAL STAIR SETTING DETAIL (N.T.S.)

- 7M1100R
- N = NO RAILING WELD-PLATES
 - R = RAILING WELD-PLATE RIGHT SIDE
 - L = RAILING WELD-PLATE LEFT SIDE
- IF STAIR CODE IS FOLLOWED BY OTHER LETTERS SEE BELOW:
- PB PINNED BOTTOM (SEE DETAIL ON THIS PAGE)
 - ER EXTRA REINFORCEMENT REQ'D TO SUPPORT ADDNL. LOADS
 - A, •B, •C... SPECIAL STAIR (NOT TYPICAL)
 - CI CORROSION INHIBITOR ADDED TO CONCRETE MIXTURE
 - EP REINFORCEMENT REQ'S EPOXY COATING
 - NT NO NON-SLIP TREADS
 - W REQ'S WOOSTER INSERTS

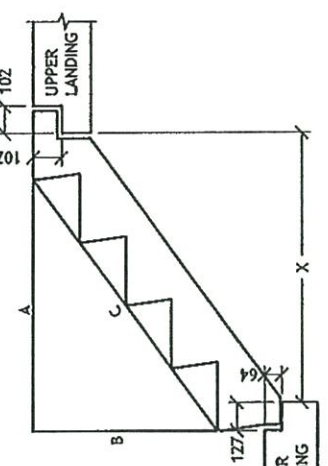
STAIR DESIGNATION

NOTE: ALL STAIR TREAD = RUN + 25mm NOSING VALUES ACCORDING TO STAIR MOLD (WITHOUT TILT TOLERANCE)

FORM ID	RISE		RUN	WIDTH MAX.
	NOMINAL	ACTUAL		
J	175	174.4	280	1980
K	180	180.0	255	1980
L	185	185.0	255	1980
M	190	190.5	255	1980
N	195	194.5	255	1980
P	200	200.0	255	1985
Q	180	179.0	280	1995
R	200	200.6	280	1520
S	192	192.5	255	1600
I	180	180.0	268	1805
G	171.0	171.5	280	1975
H	165	164.9	280	1974

GENERAL NOTES:

- CONCRETE: COMPRESSIVE STRENGTH (MIN.) 30 MPa AT 28 DAYS; F1 CONCRETE MIX; 5-8% AIR-ENTRAINMENT.
- REINFORCEMENT STEEL TO CONFORM TO CSA G30 18M GRADE 400 (608f)
- THE TOLERANCES FOR THE PRECAST CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF CLAUSE 12.4 OF CSA A23-4-09
- DESIGN LOADS:
LIVE LOADS = 48 kN/M
TOTAL DEAD LOAD = SELF WEIGHT
ALL STAIRS CONFORM TO OBC 2006 - PART 3 CLAUSE. 3.4.6.7
- ALL STAIRS HAVE A 2-HR. FIRE RATING UNLESS OTHERWISE SPECIFIED.



CLEAR SPAN OPENING (X)
CLEAR SPAN OPENING IS CALCULATED BY CREATING A RIGHT ANGLE TRIANGLE (ABC) FROM BOTTOM NOSING TO THE TOP NOSING.
C = (HYPOTENUSE DIM.) X (# OF TREADS - 1)
B = (LANDING-TO-LANDING DIM) - (SINGLE ACTUAL RISER)
A = 7(C - B)
X = A + SINGLE ACTUAL TREAD
- 89mm (TOP LIP > 102-13gap)
- 127mm (BOTTOM LIP)

ROTATION IS REQUIRED WHEN STAIR NEEDS TO BE ROTATED SLIGHTLY TO FIT THE ACTUAL OVERALL VERTICAL RISE BETWEEN LANDINGS. IF THE STAIR NEEDS TO BE TILTED FORWARD THEN 'X' WILL BE SLIGHTLY LARGER. IF THE STAIR NEEDS TO BE TILTED BACK THEN 'X' WILL BE SLIGHTLY SMALLER.

X DIMENSION CANNOT BE VERIFIED BY ARCH. CLEAR SPAN OPENING

PRECAST SCHEDULE

TAG NO.	WEIGHT (LBS)	STAIR A	STAIR B	STAIR C	STAIR D	STAIR F&G	STAIR H	STAIR J	TOTAL	No. of Risers	Riser Height	Run (Nominal)
5 N 1100 N*A	1,691	1							1	5	194.5	255
9 N 1100 N*A	3,113	1							1	9	194.5	255
5 P 1100 N*A	1,691	1							1	5	200.0	254
9 P 1100 N*A	3,113	1						2	3	27	200.0	254
6 P 1100 N*A	2,046	1							1	6	200.0	254
11 P 1100 N	4,337	1							1	11	200.0	254
12 P 1100 N	5,302	1							1	12	200.0	254
3 P 1100 N*A	980	1							1	3	200.0	254
17 P 1100 N*ER	8,404	1							1	17	200.0	254
5 L 1200 N*A	1,845			2					2	10	185.0	255
9 M 1100 N*A	3,113				1				1	9	190.5	255
15 N 1100 N	6,659					10			10	150	194.5	255
14 P 1100 N	6,207					4			4	56	200.0	254
16 M 1100 N	7,111					6			6	98	190.5	255
17 M 1100 N	8,404					4			4	68	190.5	255
18 L 1100 N	8,906					1			1	18	185.0	255
16 P 1100 N	7,111						1		1	16	200.0	254
8 P 1100 N*A	2,758							1	1	8	200.0	254
7 N 1100 N*A	2,402							3	4	28	194.5	255
8 N 1100 N*A	2,758							1	3	4	194.5	255
7 P 1100 N*A	2,402							4	8	56	200.0	254
15 S 1100 N	6,659							1	1	15	192.5	255
7 S 1100 N*A	2,402							2	4	16	190.5	255
8 M 1100 N*A	2,758							1	1	8	190.5	255
TOTAL		5	4	2	1	25	8	16	61	680		

*A= 127mm (5") THROAT TO MEET 2-HR FIRE RATING
All stairs are Standard stairs - refer to typical stair dwg details
Mix Design: MD-96 or SCC

Reviewed as noted
Not Reviewed
Reviewed and resubmit
Date: 15 04 10
Reviewed by:

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FILE# 2508-15
PROJECT: SQ CONDO'S ALEXANDRA PARK
AVENUE BUILDING CORP.
TORONTO

TITLE: DETAILS AND SCHEDULE
DRAWN BY: R.G
SCALE: N.T.S
DWG. NO. S-15