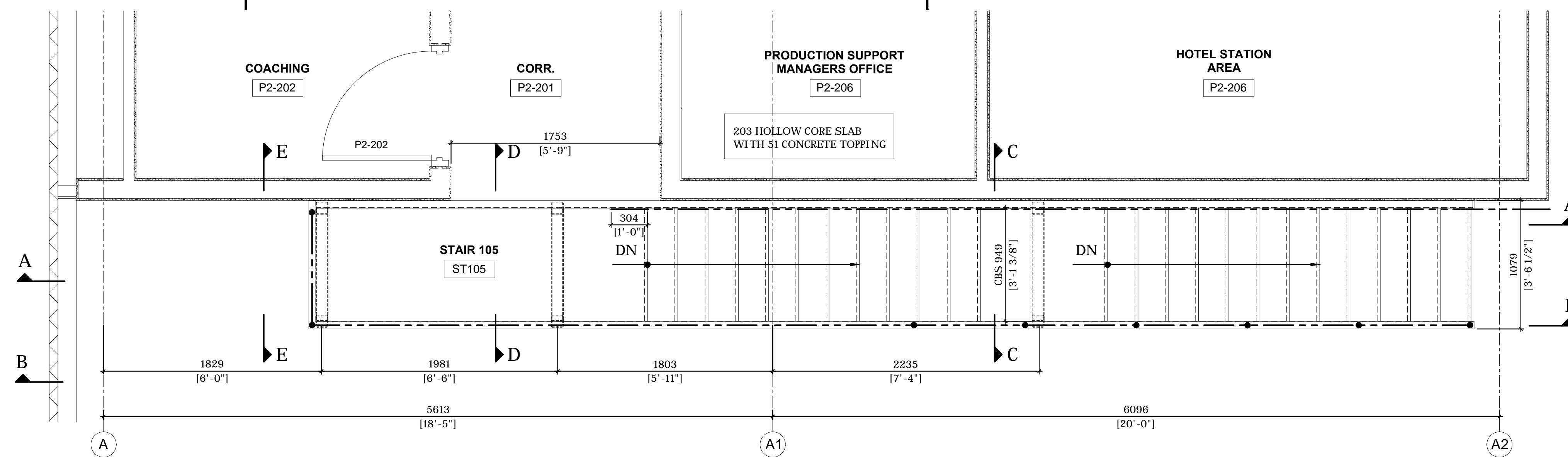
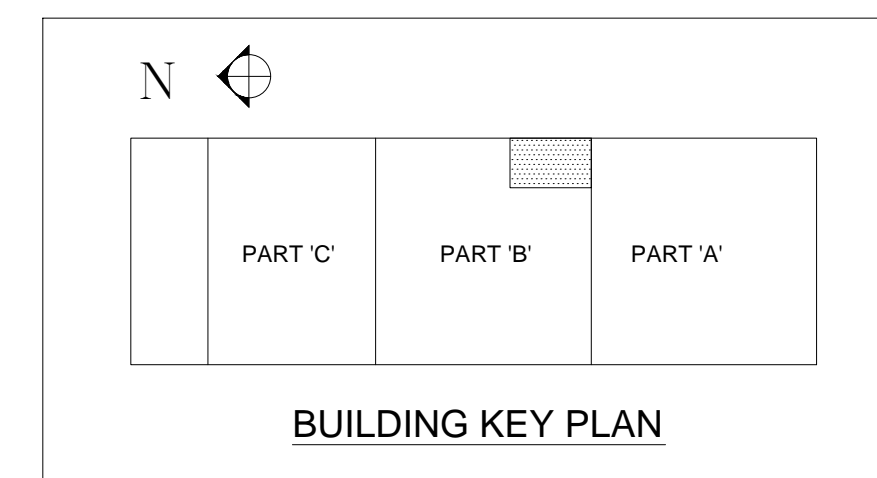


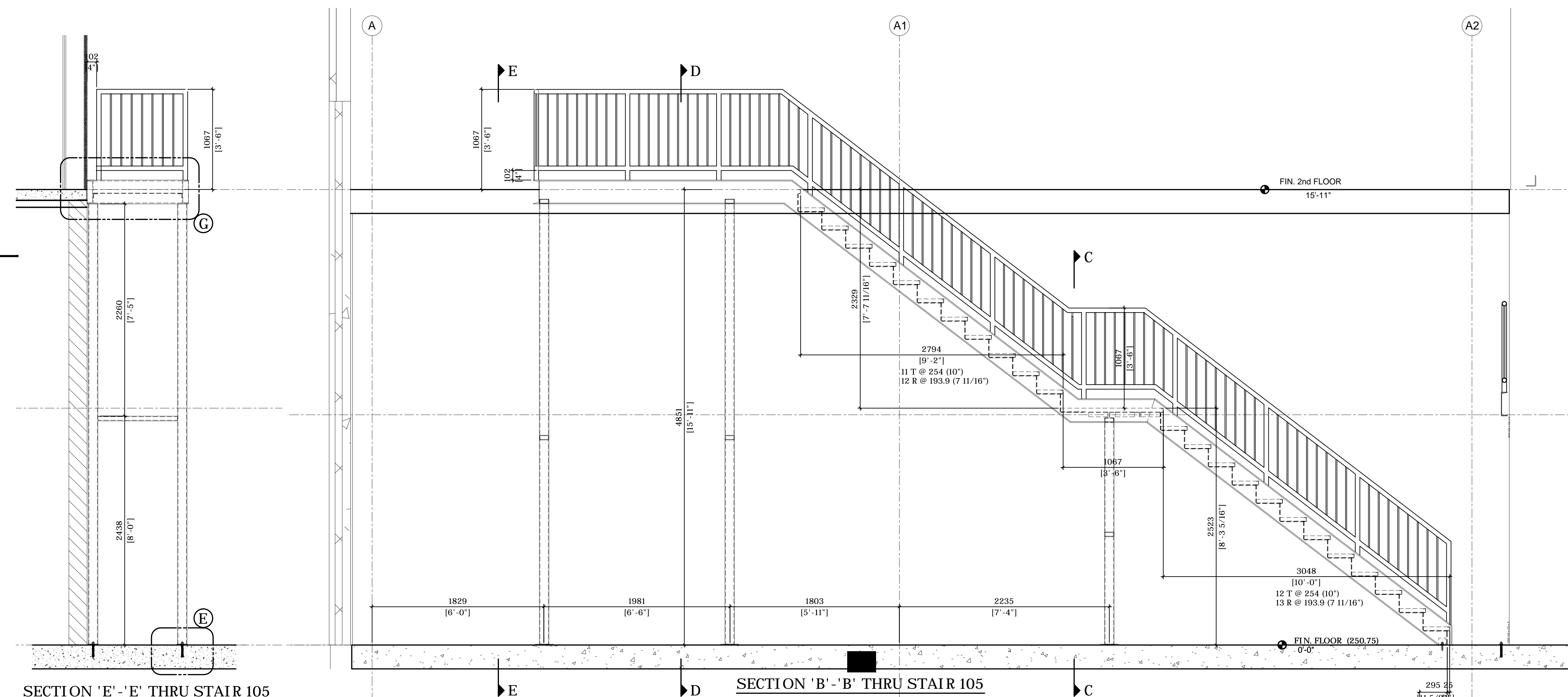
REFER TO DRAWING 852-11A FOR SECOND FLOOR PLAN & MORE SECTIONS & TO DRAWING 852-11B FOR DETAILS

DRAWING A4.05, A4.06
 REFERENCE A2.11, A5.01, A5.04, S215

SH	NOTE : - ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.	MATERIAL STEEL	FINISH	TORSTEEL CO. LIMITED ARCHITECTURAL METAL FABRICATORS 12905 COLERAIN DRIVE CALEDON, ONTARIO L7E 3B5 TEL: (905) 857-8320 FAX: (905) 857-8328
EH				
DATE	NO.	REVISION	PROJECT CANADIAN TIRE DISTRIBUTION CENTRE LOCATION COLERAIN & HEALEY ROADS, BOLTON, ONTARIO ARCHITECT ENGINEER GLENN PIOTROWSKI ARCHITECTS LTD. CUSTOMER BROCCOLINI	
CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE! THESE DRAWINGS ARE OUR INTERPRETATION OF THE CONTRACT DOCUMENTS TO BE USED FOR FABRICATION ON THIS PROJECT, THEREFORE IT IS IMPERATIVE THAT YOU CHECK THAT YOUR REQUIREMENTS ARE BEING PROVIDED FOR BY THESE DRAWINGS. YOUR REVIEW OR APPROVAL CONSTITUTES YOUR ACCEPTANCE OF OUR INTERPRETATION, EXCEPT FOR YOUR NOTES ON THE RETURNED DRAWINGS. ANY ADDITIONS, CHANGES ADDENDA, ETC. REQUIRED BY THIS OFFICE AFTER OUR RECEIPT OF APPROVED DRAWINGS WILL BE AN EXTRA TO THE CONTRACT AT THE RELEVANT RATES.				TITLE PRODUCTION OFFICE 2 - STAIR 105 GROUND FLOOR PLAN & SECTION
DATE	APR. 2015	SCALE	DRAWN BY AHB CHECKED BY CONTRACT NO. 852 DRAWING NO. 11	SECTION : 055 ITEM :



PLAN @ SECOND FLOOR - STAIR 105



SECTION 'E'-'E' THRU STAIR 105

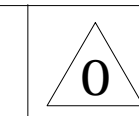
SECTION 'B'-'B' THRU STAIR 105

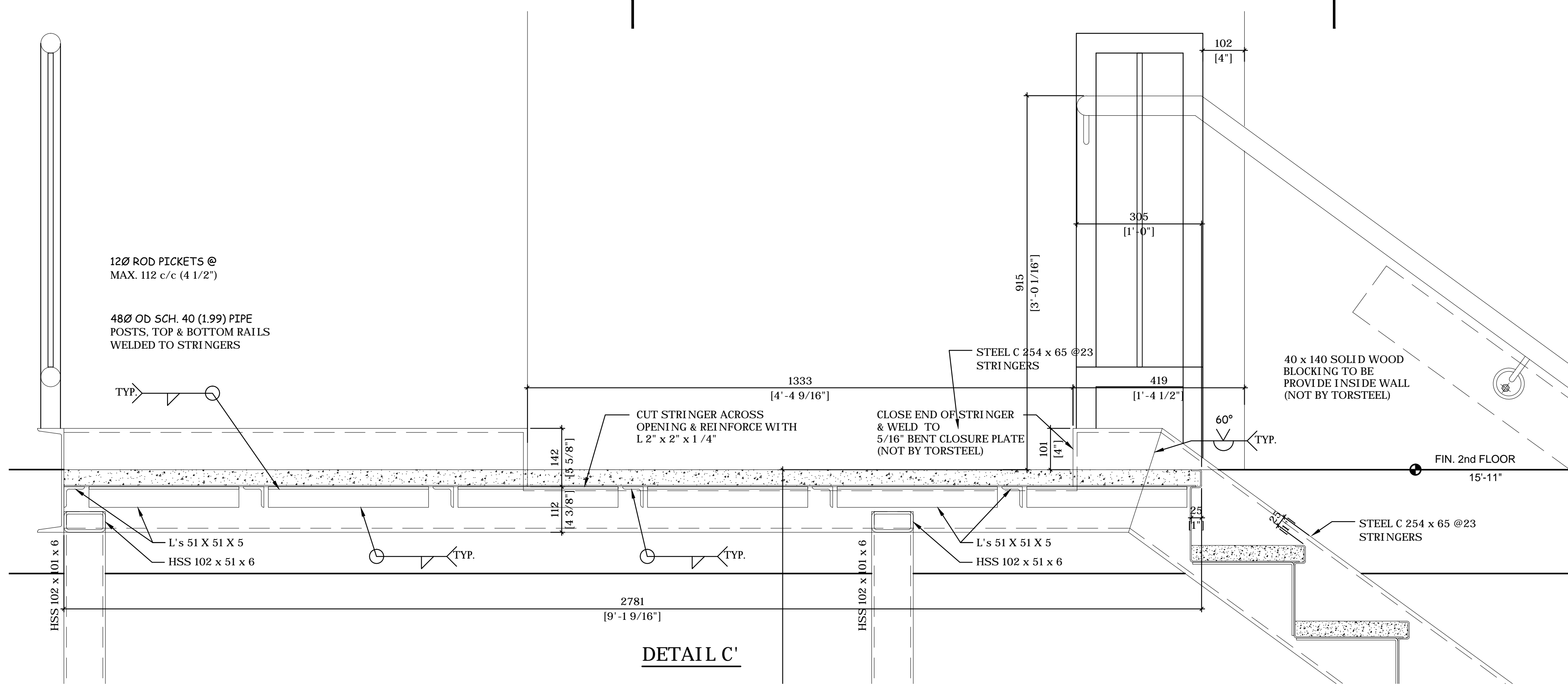
REFER TO DRAWING 852-11 FOR GROUND FLOOR PLAN & MORE SECTIONS & TO DRAWING 852-11B FOR DETAILS

DRAWING A4.05, A4.06
REFERENCE A2.11, A5.01, A5.04, S215

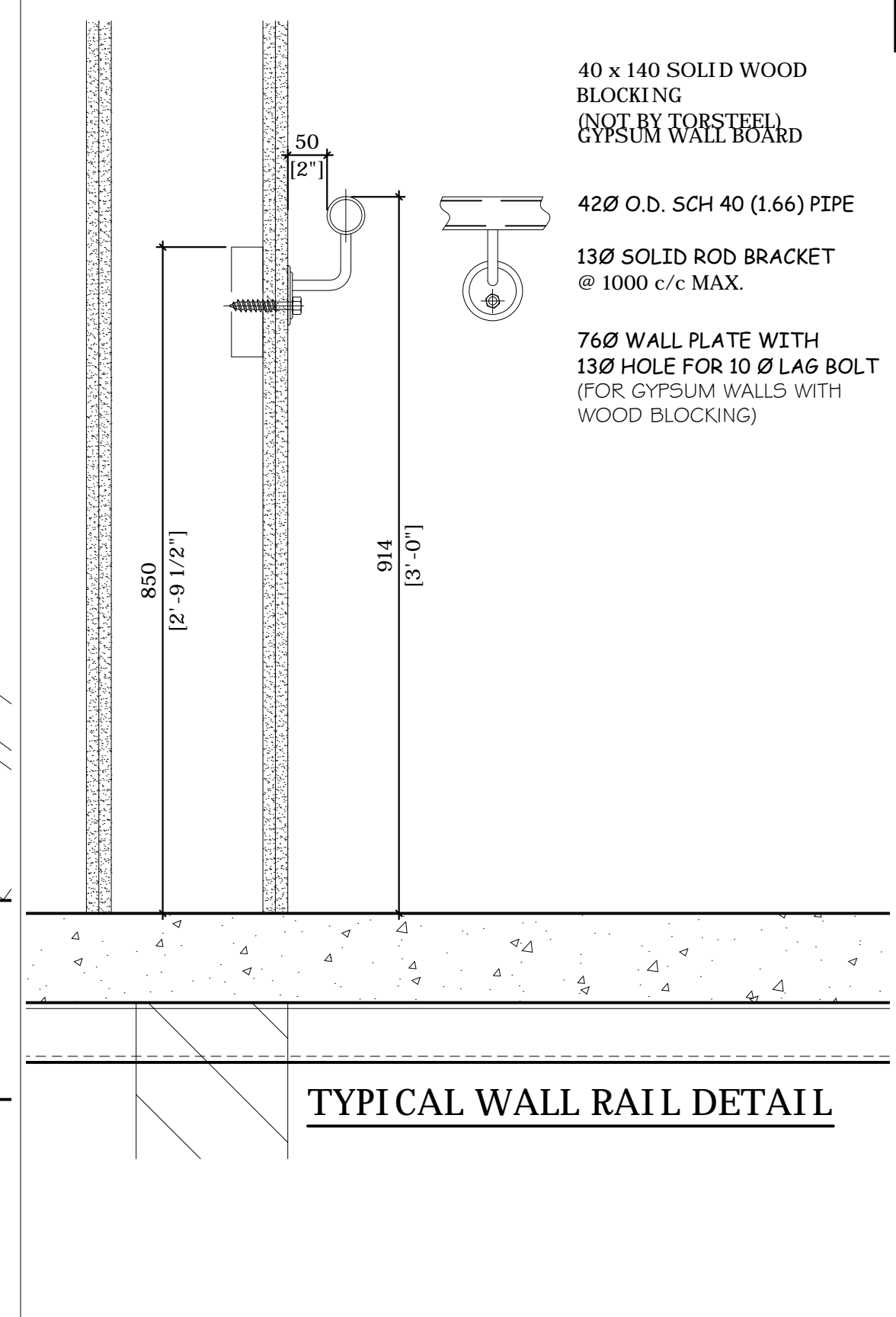
SECTION : 055 ITEM :

SH	NOTE : - ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.	MATERIAL STEEL	FINISH		TORSTEEL CO. LIMITED ARCHITECTURAL METAL FABRICATORS 12905 COLERAINE DRIVE CALEDON, ONTARIO L7E 3B5 TEL: (905) 857-8320 FAX: (905) 857-8328
EH					
DATE	NO.	REVISION	PROJECT CANADIAN TIRE DISTRIBUTION CENTRE LOCATION COLERAINE & HEALEY ROADS, BOLTON, ONTARIO ARCHITECT ENGINEER GLENN PIOTROWSKI ARCHITECTS LTD. CUSTOMER BROCCOLINI		
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DATE	APR. 2015	SCALE	CONTRACT NO.	852	DRAWING NO.
					11A

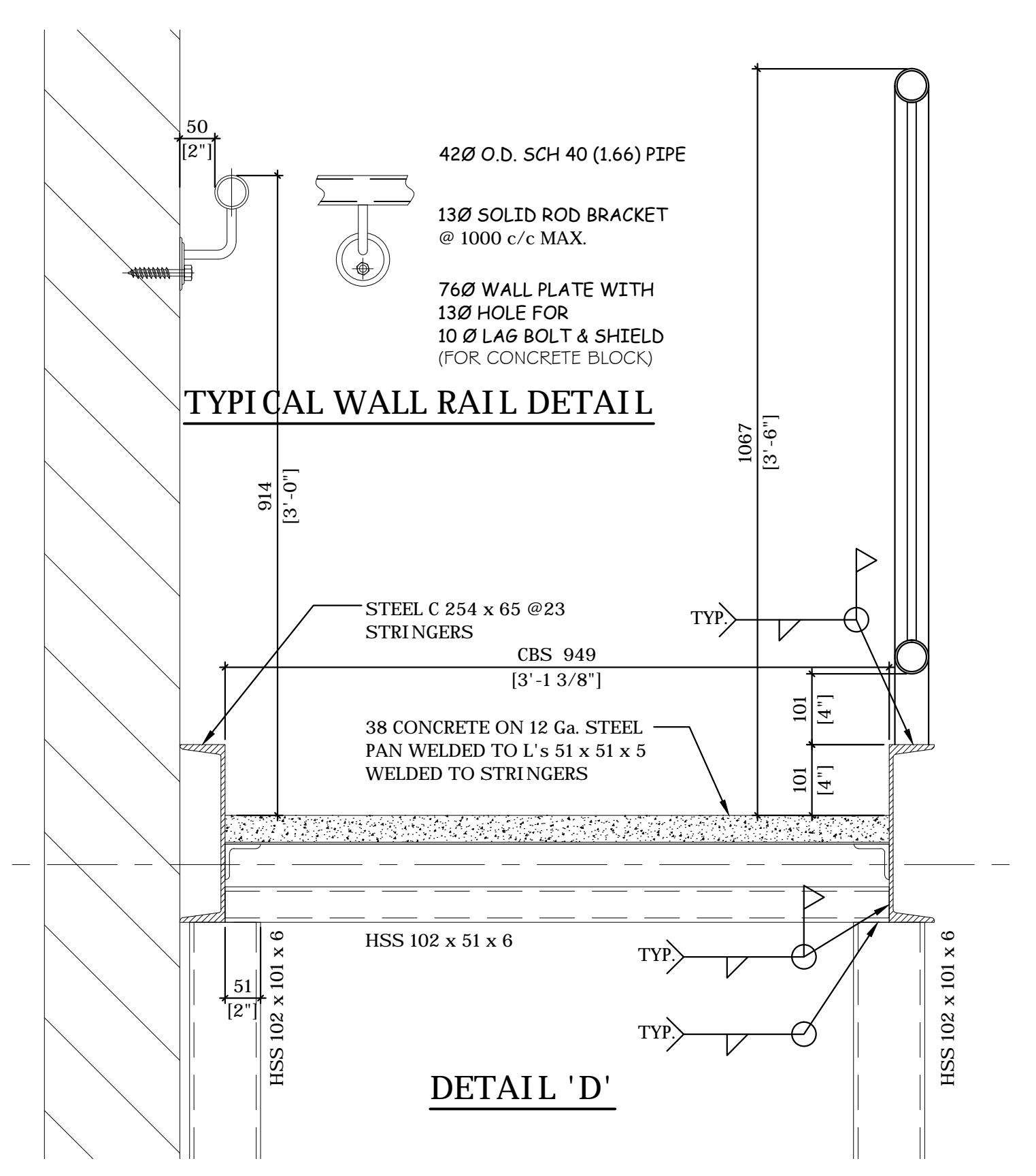




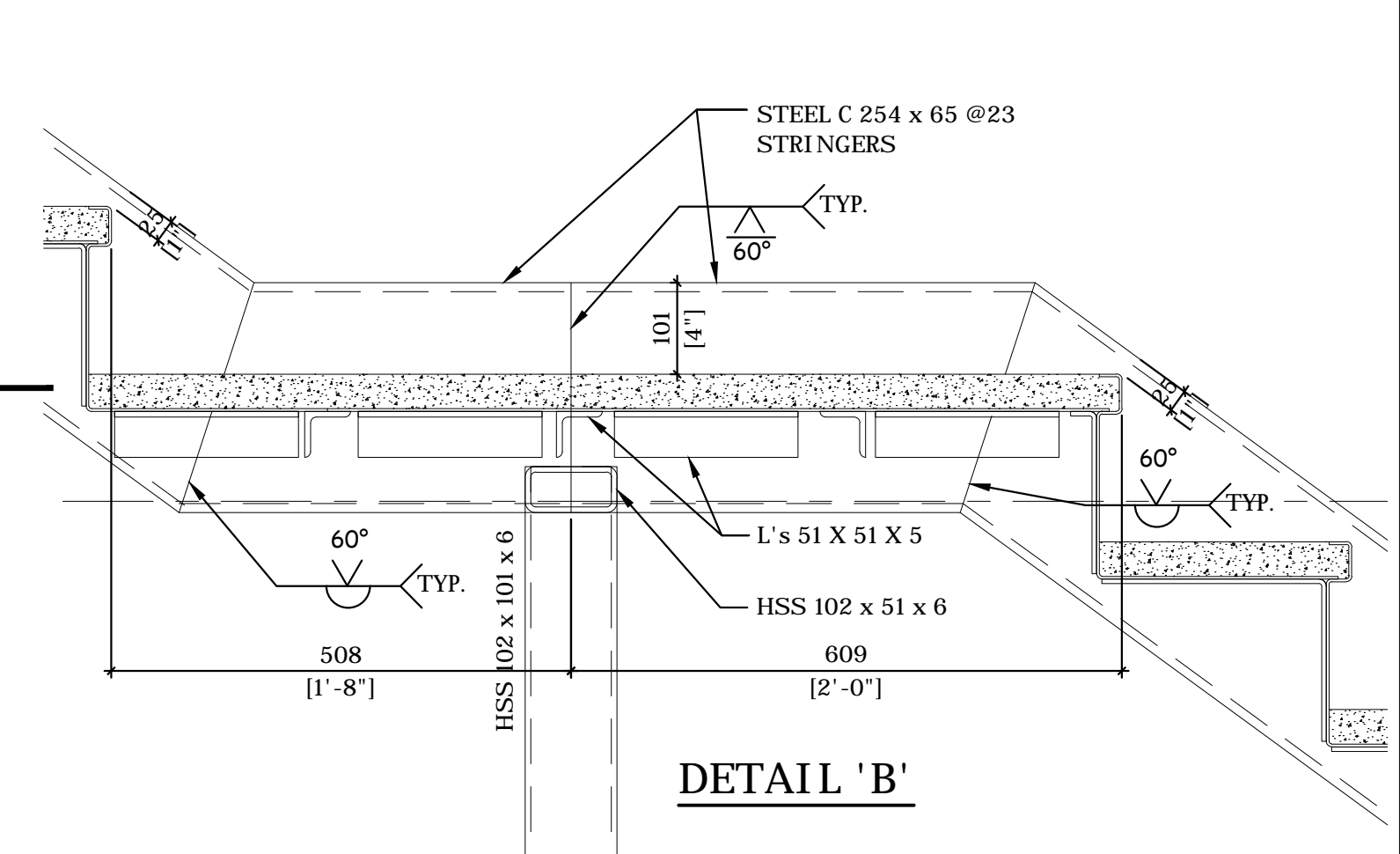
DETAIL C'



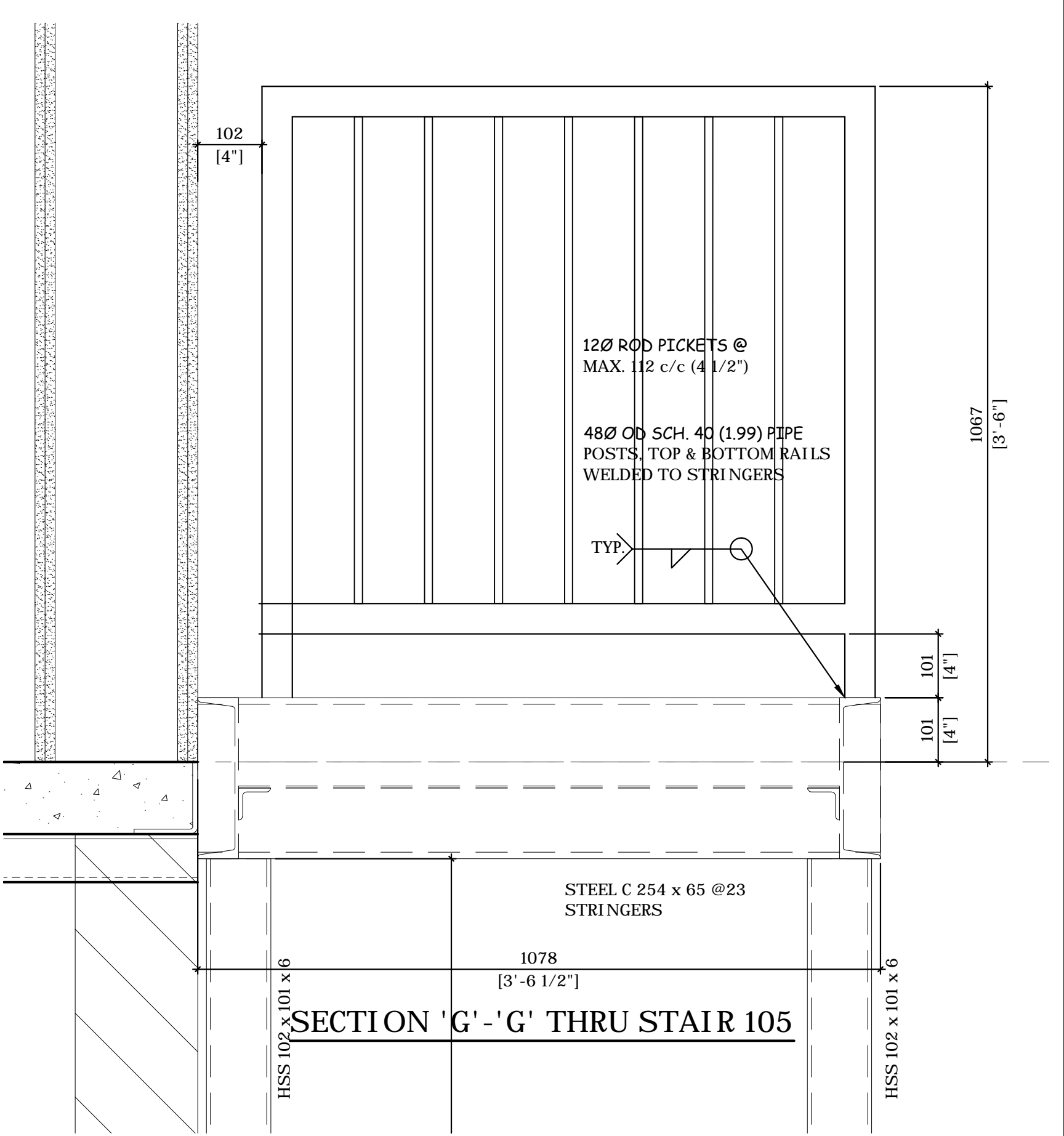
TYPICAL WALL RAIL DETAIL



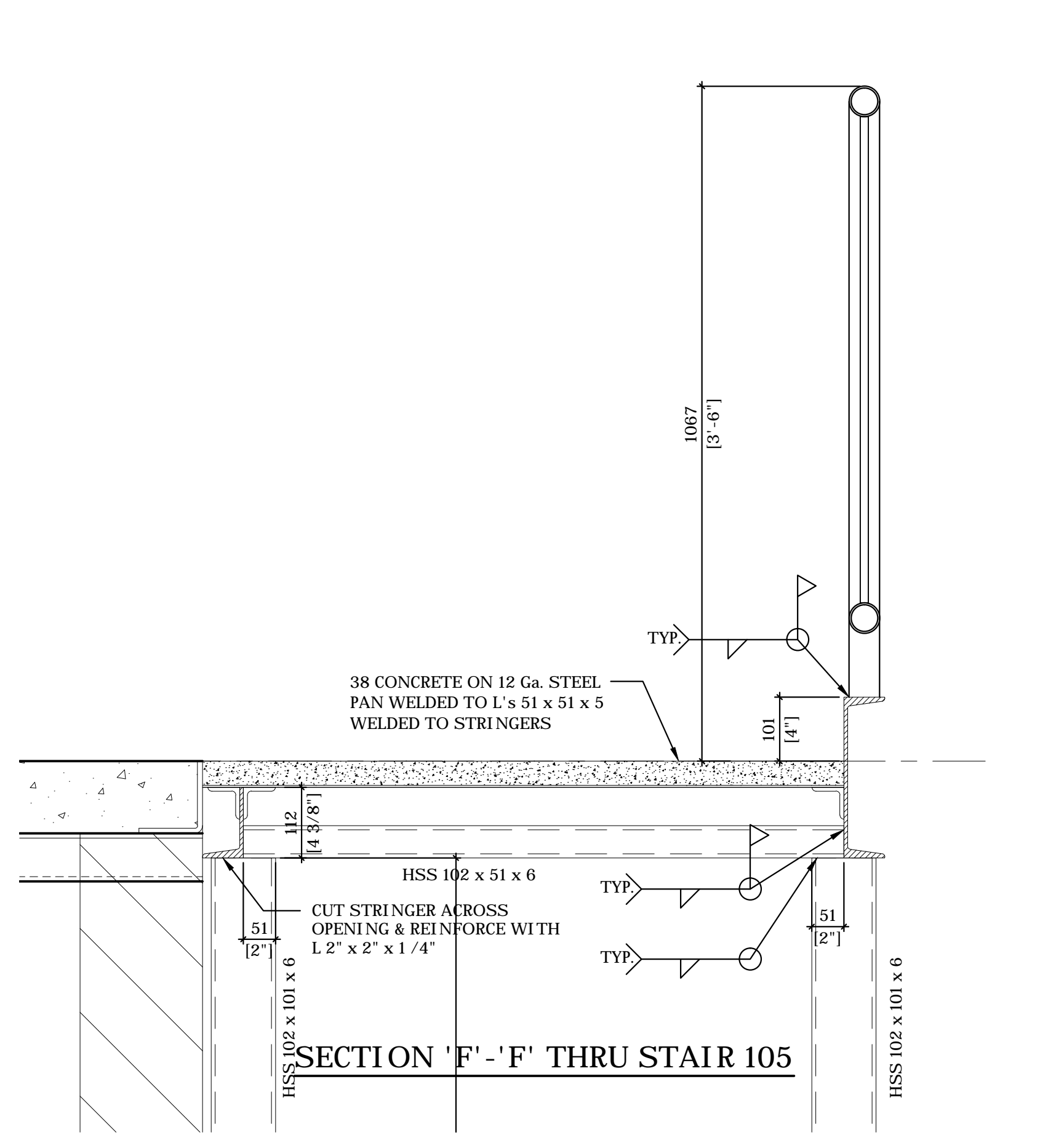
DETAIL 'D'



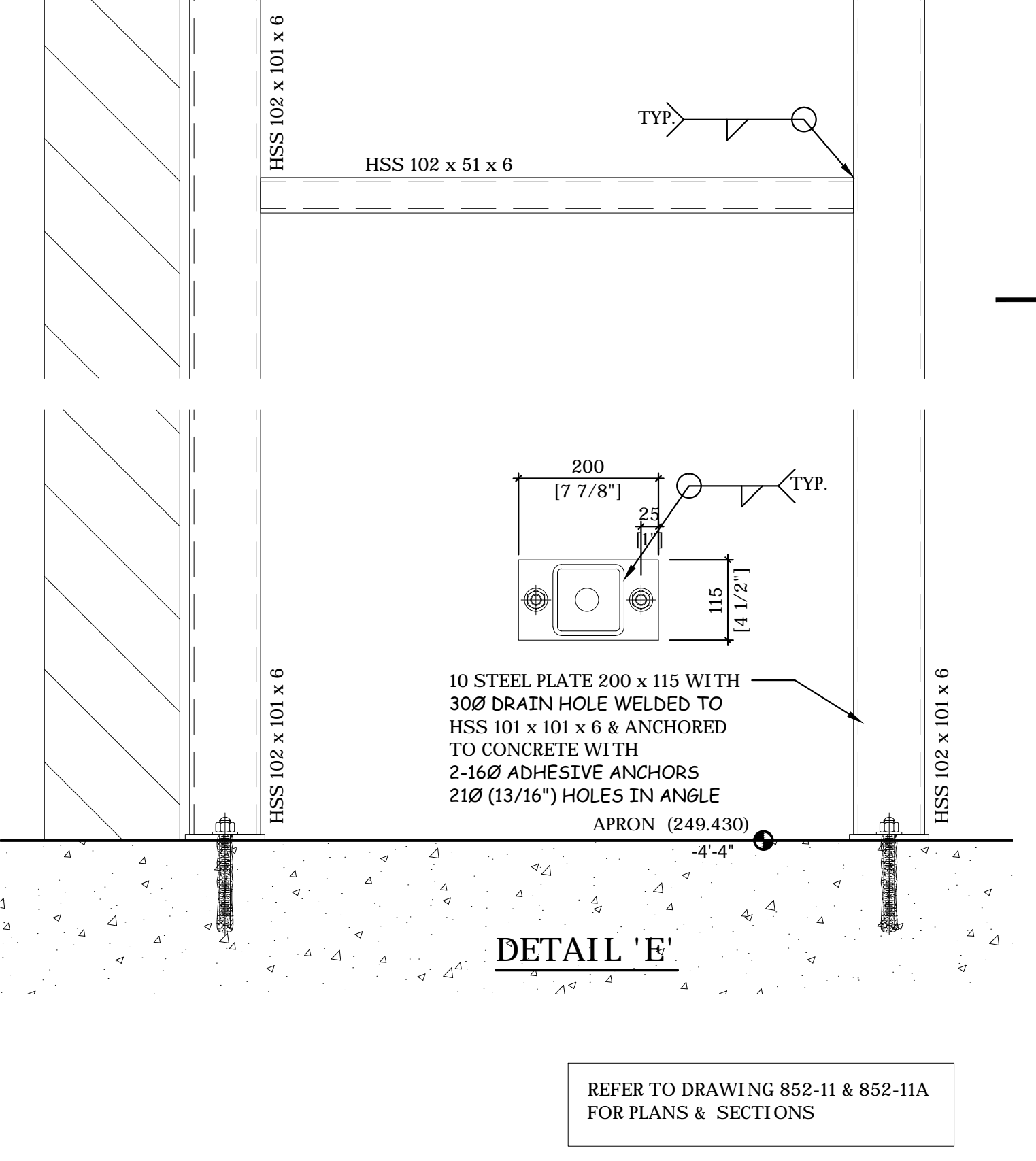
DETAIL 'B'



SECTION 'G'-'G' THRU STAIR 105

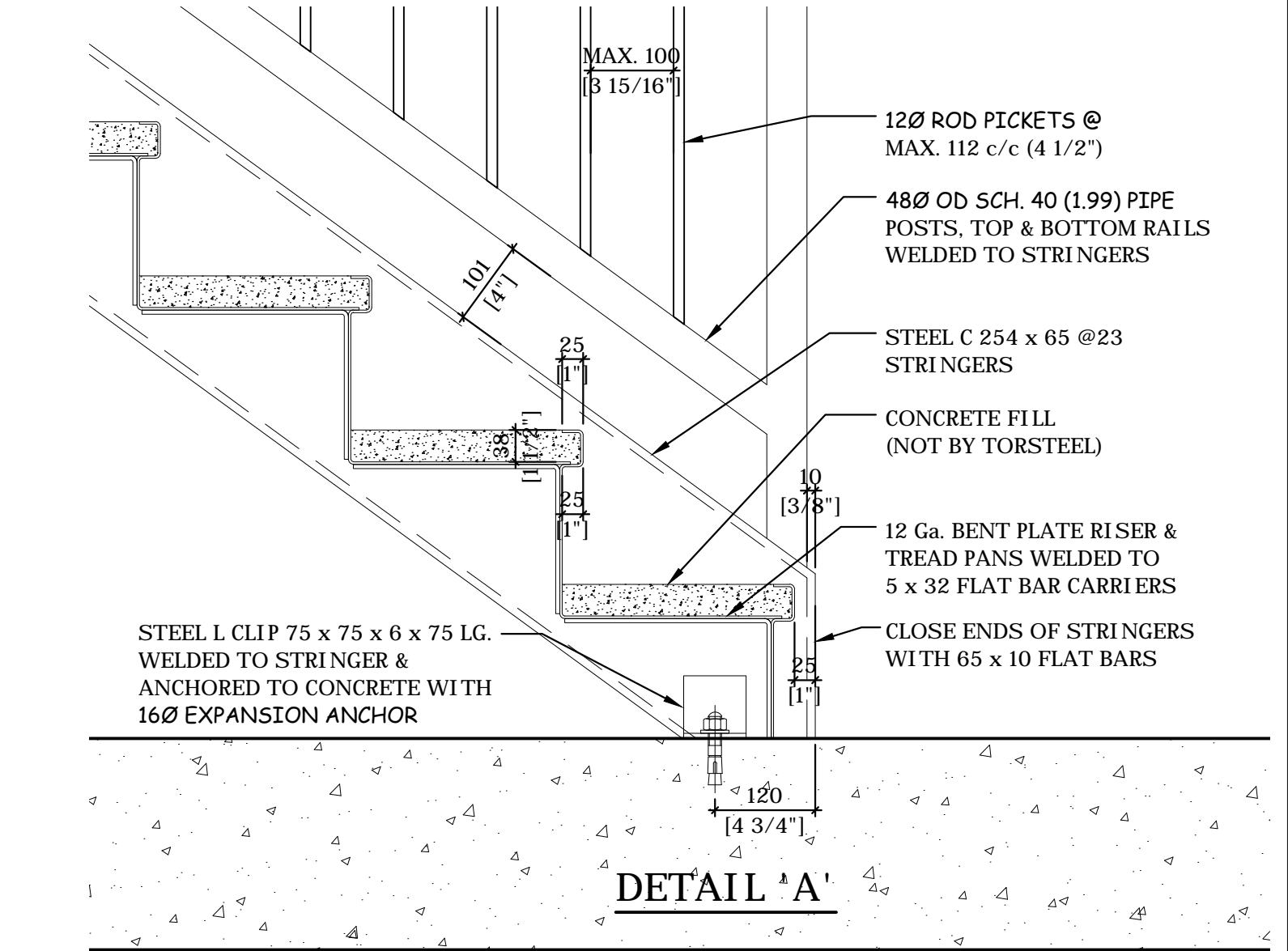


SECTION 'F'-'F' THRU STAIR 105



DETAIL 'E'

REFER TO DRAWING 852-11 & 852-11A FOR PLANS & SECTIONS



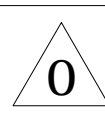
DETAIL 'A'

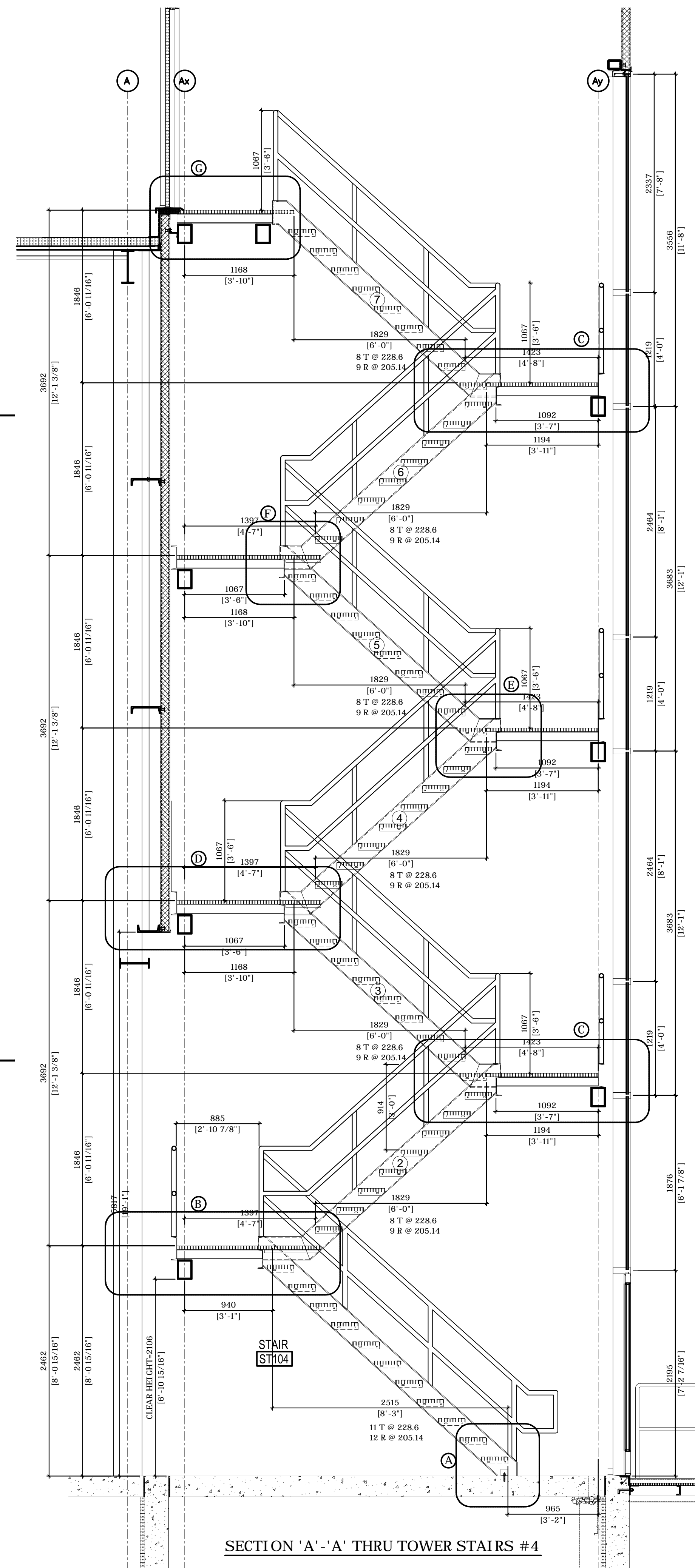
DRAWING A4.05, A4.06
REFERENCE A2.11, A5.01, A5.04, S215

SECTION : 055 ITEM :

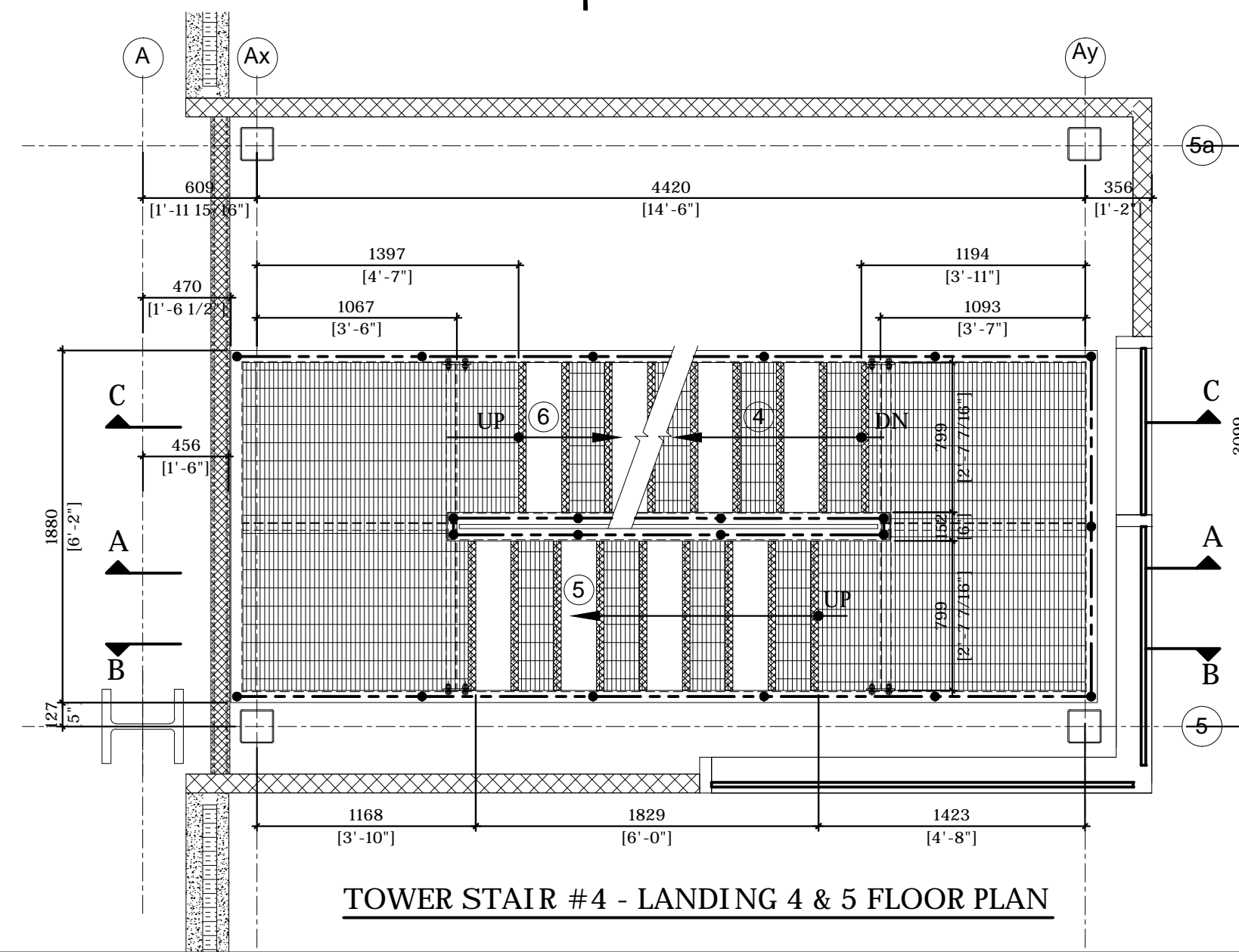
SH		NOTE :
EH		- ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.
DATE	NO.	REVISION
CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE! THESE DRAWINGS ARE OUR INTERPRETATION OF THE CONTRACT DOCUMENTS TO BE USED FOR FABRICATION ON THIS PROJECT, THEREFORE IT IS IMPERATIVE THAT YOU CHECK THAT YOUR REQUIREMENTS ARE BEING PROVIDED FOR BY THESE DRAWINGS. YOUR REVIEW OR APPROVAL CONSTITUTES YOUR ACCEPTANCE OF OUR INTERPRETATION, EXCEPT FOR YOUR NOTES ON THE RETURNED DRAWINGS. ANY ADDITIONS, CHANGES ADDENDA, ETC. REQUIRED BY THIS OFFICE AFTER OUR RECEIPT OF APPROVED DRAWINGS WILL BE AN EXTRA TO THE CONTRACT AT THE RELEVANT RATES.		
MATERIAL	STEEL	
FINISH		

<p>TORSTEEL CO. LIMITED ARCHITECTURAL METAL FABRICATORS 1 2905 COLERAIN DRIVE CALEDON, ONTARIO L7E 3B5 TEL: (905) 857-8320 FAX: (905) 857-8328</p>		PROJECT	CANADIAN TIRE DISTRIBUTION CENTRE
		LOCATION	COLERAIN & HEALEY ROADS, BOLTON, ONTARIO
		ARCHITECT ENGINEER	GLENN PIOTROWSKI ARCHITECTS LTD.
		CUSTOMER	BROCCOLINI
		TITLE	PRODUCTION OFFICE 2 - STAIR 105 DETAILS
DRAWN BY	AHB	CHECKED BY	
DATE	APR. 2015	SCALE	
		CONTRACT NO.	852
		DRAWING NO.	11B

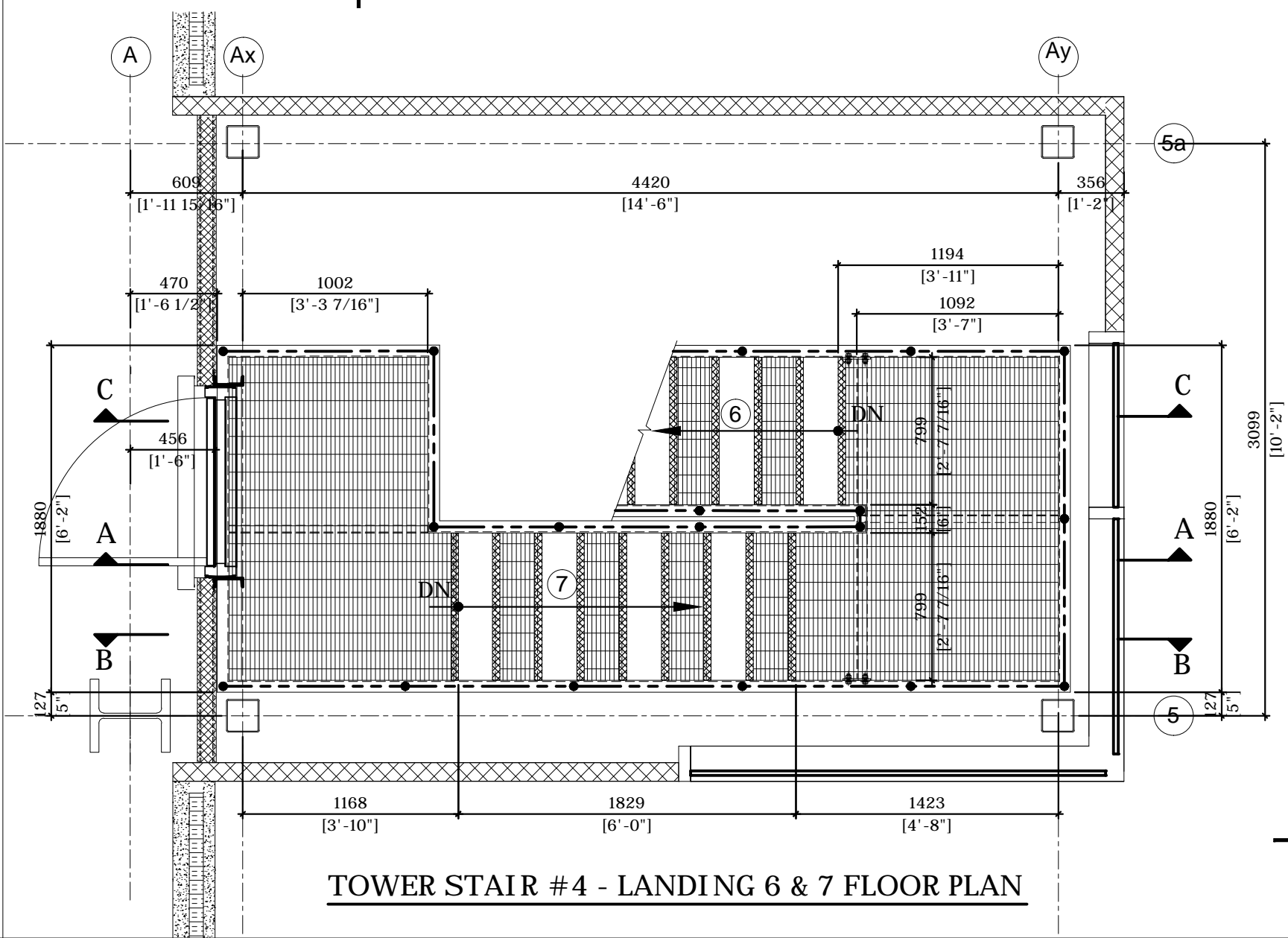




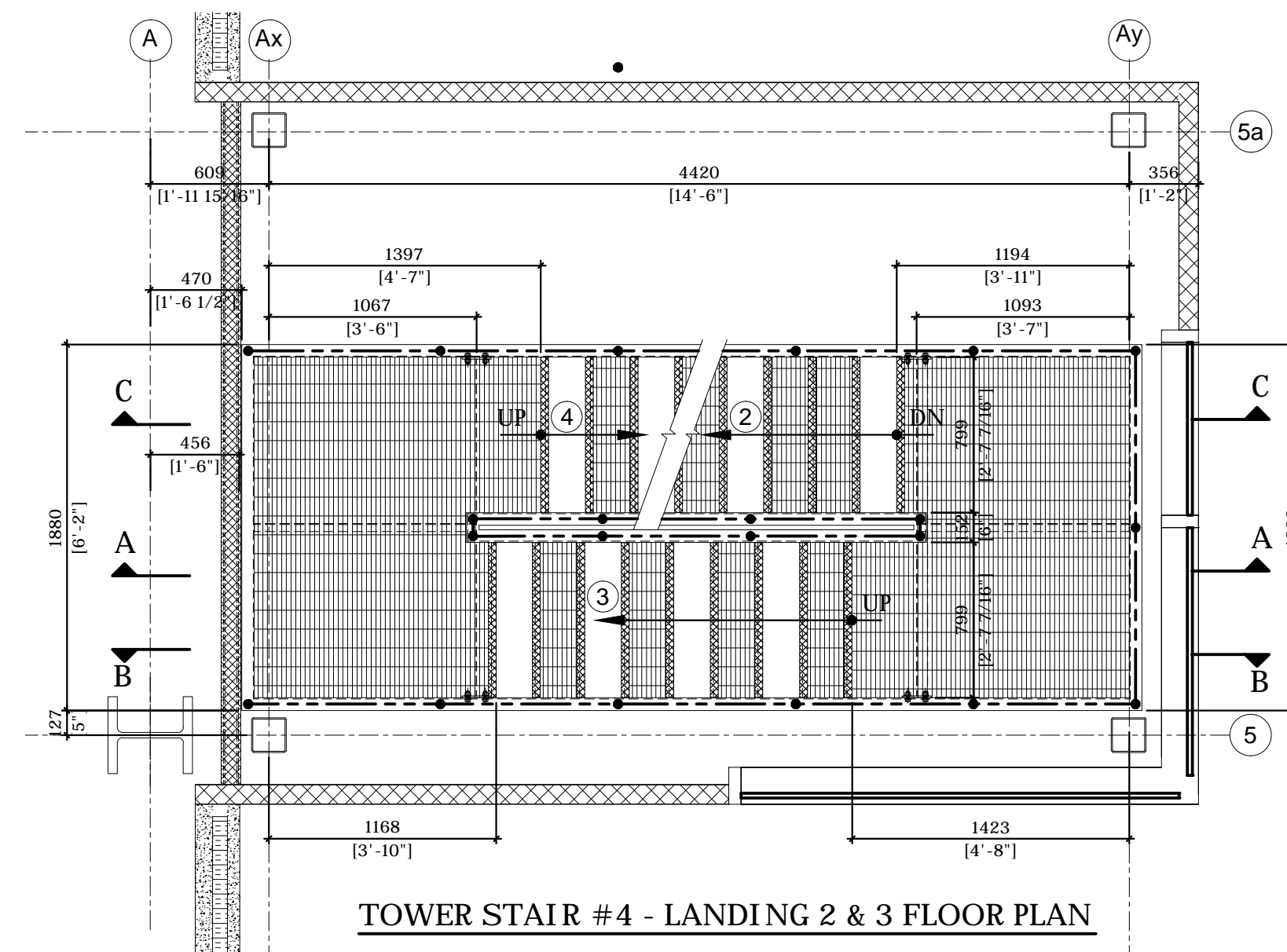
SECTION 'A'-'A' THRU TOWER STAIRS #4



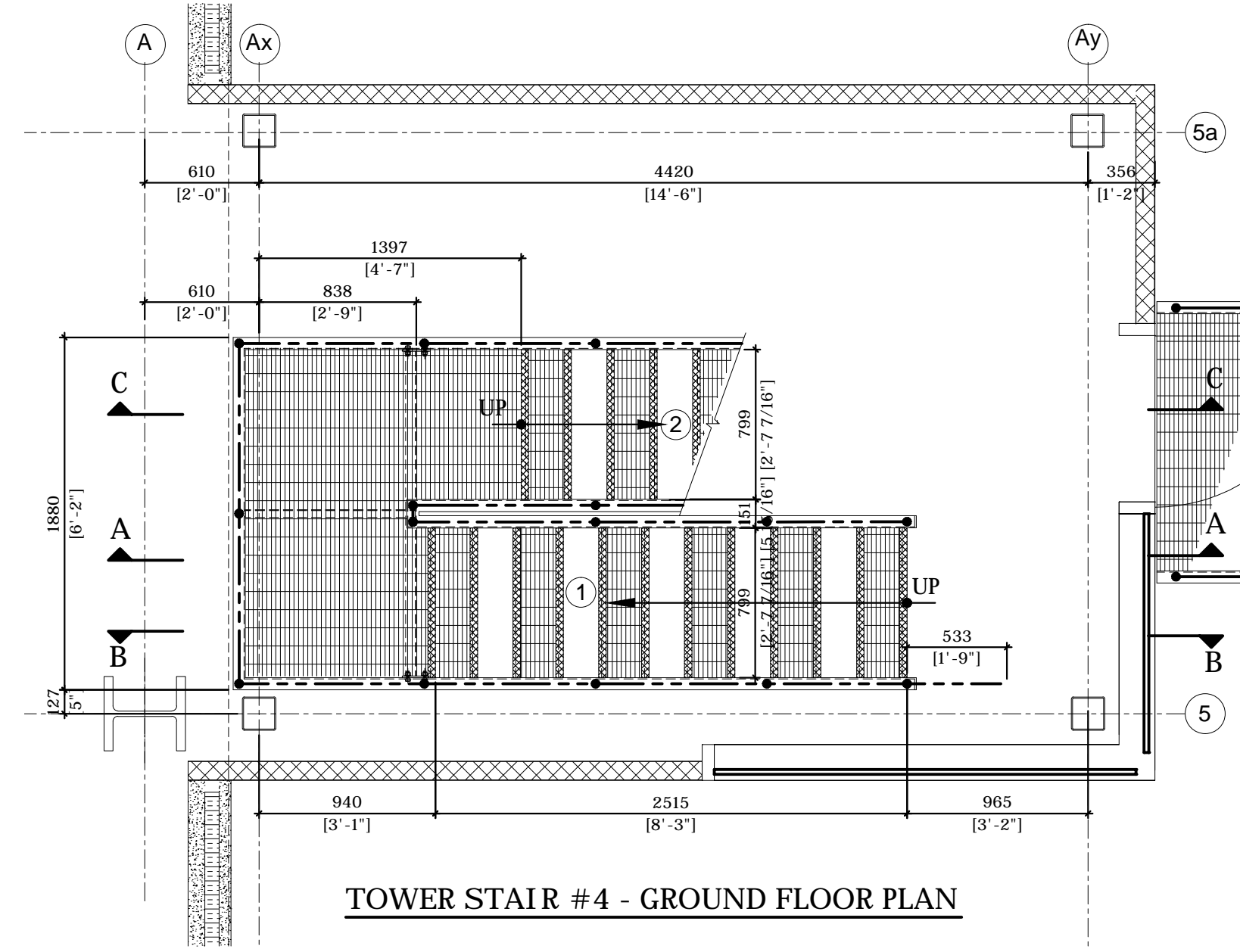
TOWER STAIR #4 - LANDING 4 & 5 FLOOR PLAN



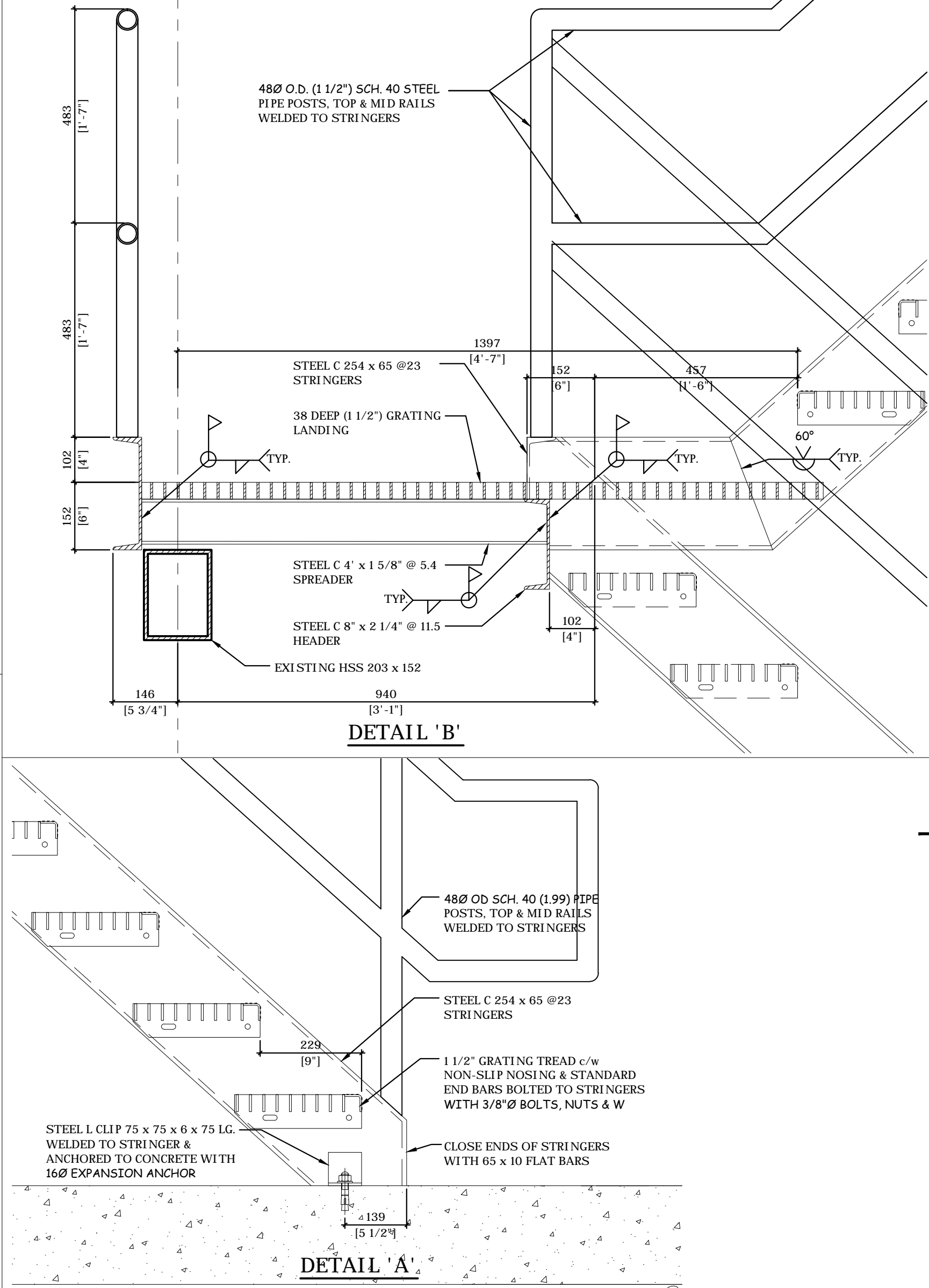
TOWER STAIR #4 - LANDING 6 & 7 FLOOR PLAN



TOWER STAIR #4 - LANDING 2 & 3 FLOOR PLAN



TOWER STAIR #4 - GROUND FLOOR PLAN



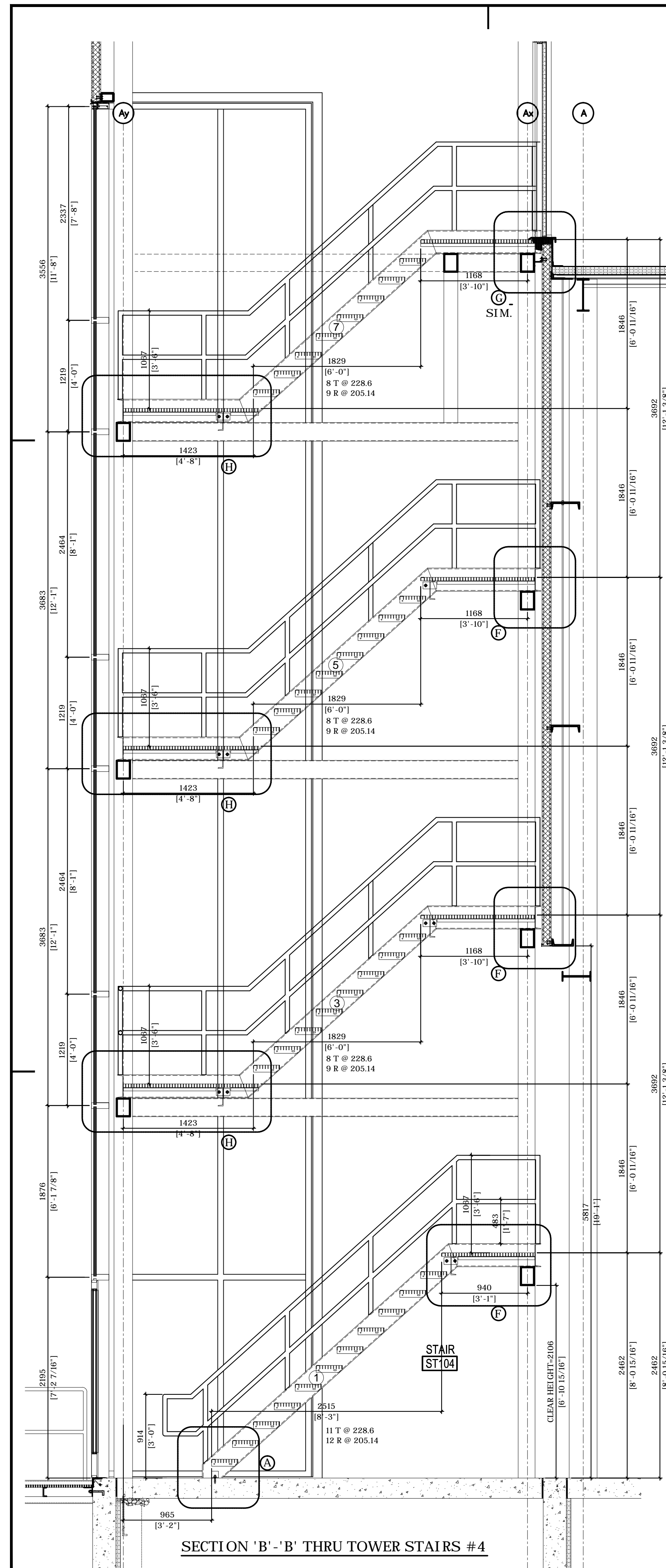
DRAWING A1.01, A1.21, A3.01, A4.01, A5.01, A5.02
REFERENCE A6.01, S4.01, S4.02

SECTION : 055 ITEM :

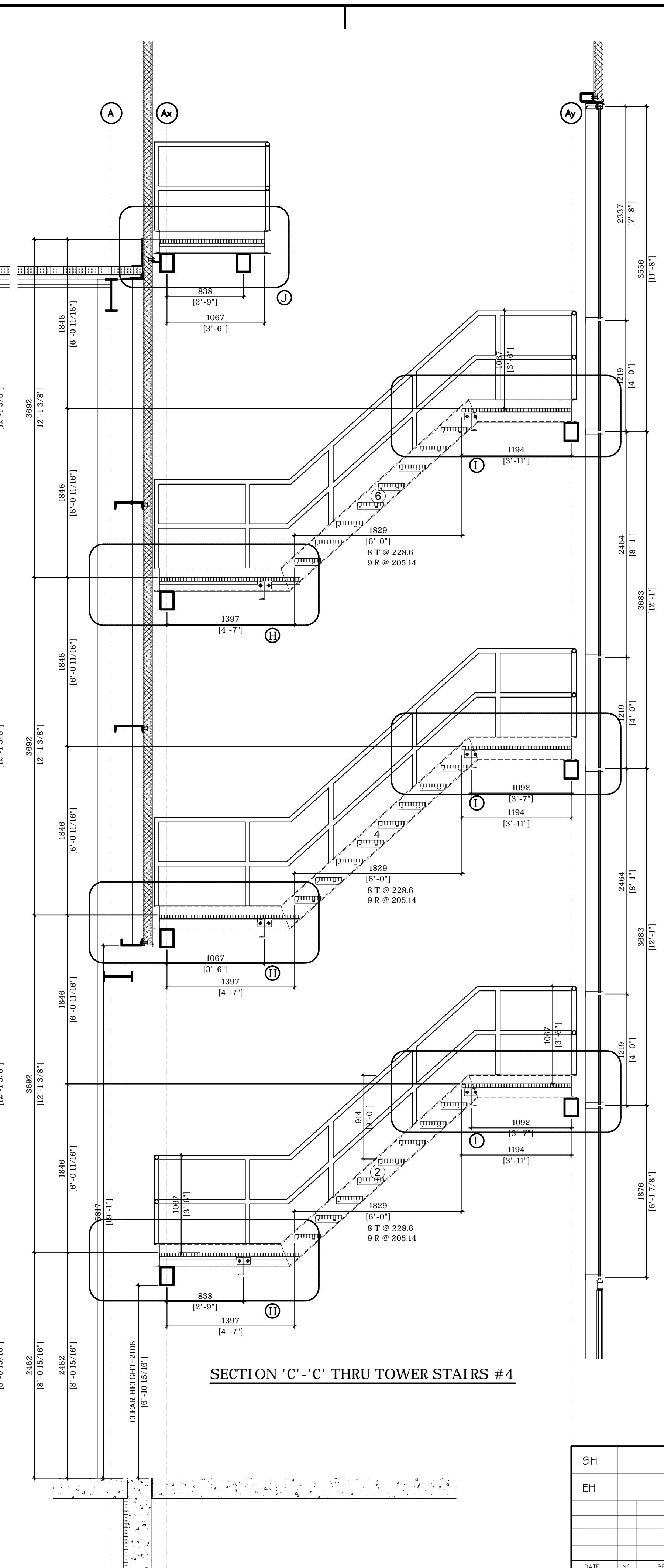
SH	NOTE : ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.	MATERIAL	STEEL
EH		FINISH	ONE COAT SINOX PRIMER AFTER FABRICATION
DATE	NO.	REVISION	
CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE!! THESE DRAWINGS ARE OUR INTERPRETATION OF THE CONTRACT DOCUMENTS TO BE USED FOR FABRICATION ON THIS PROJECT, THEREFORE IT IS IMPERATIVE THAT YOU CHECK THAT YOUR REQUIREMENTS ARE BEING PROVIDED FOR BY THESE DRAWINGS. YOUR REVIEW OR APPROVAL CONSTITUTES YOUR ACCEPTANCE OF OUR INTERPRETATION. EXCEPT FOR YOUR NOTES ON THE RETURNED DRAWINGS, ANY ADDITIONS, CHANGES, AMENDS, ETC. REQUIRED BY THIS OFFICE AFTER OUR RECEIPT OF APPROVED DRAWINGS WILL BE AN EXTRA TO THE CONTRACT AT THE RELEVANT RATES.			

TORSTEEL CO. LIMITED
ARCHITECTURAL METAL FABRICATORS
12905 COLERAINE DRIVE
GALEDON, ONTARIO L7E 3B5
TEL: (905) 857-8320 FAX: (905) 857-8328

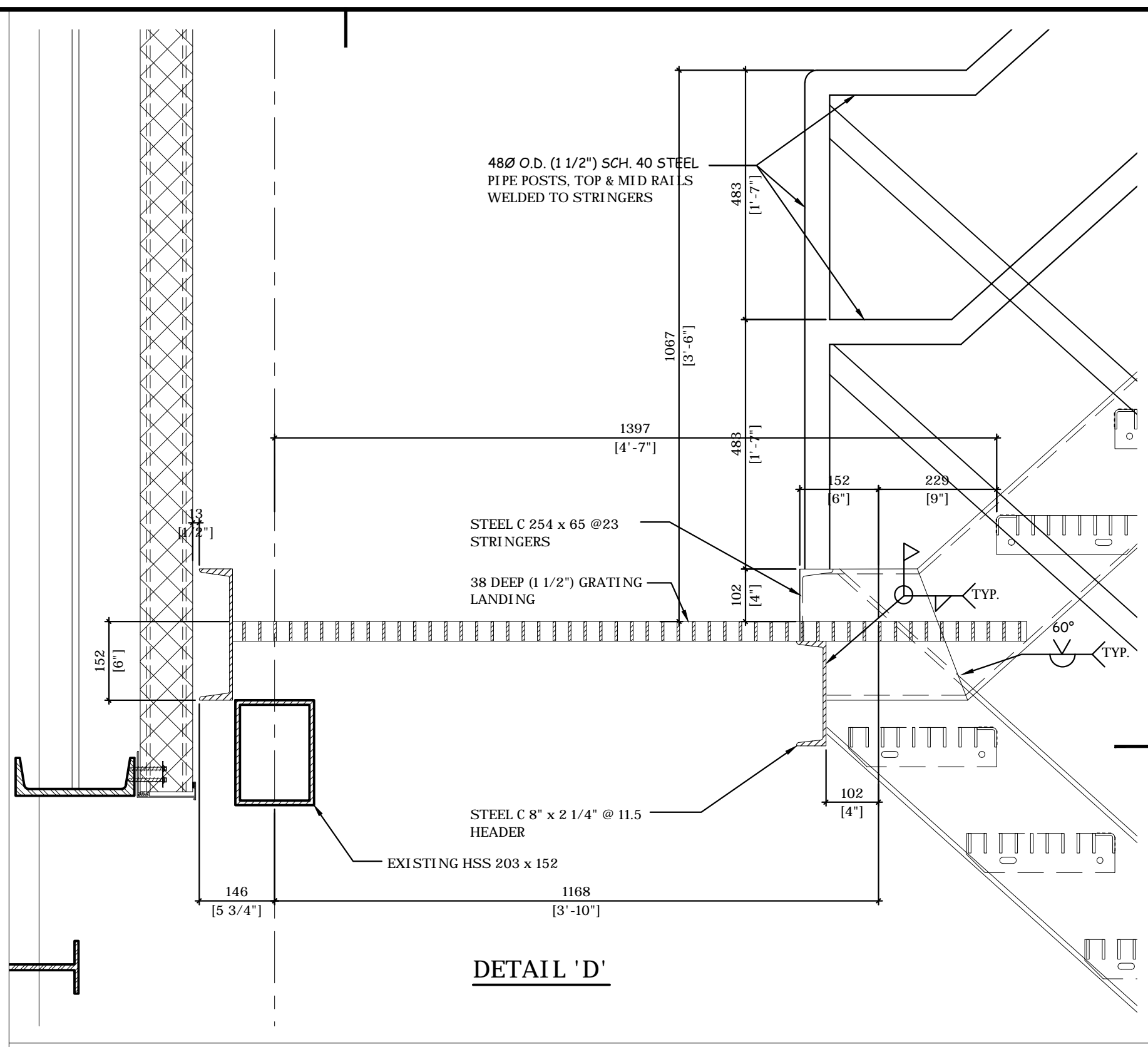
PROJECT: CANADIAN TIRE DISTRIBUTION CENTRE
LOCATION: COLERAINE & HEALEY ROADS, BOLTON, ONTARIO
ARCHITECT: GLENN PIOTROWSKI ARCHITECTS LTD.
CUSTOMER: BROCCOLINI
TITLE: TOWER STAIR #4
PLAN, SECTION & DETAILS
DRAWN BY: AHB CHECKED BY: CONTRACT NO.: DRAWING NO.:
DATE: APR. 2015 SCALE: 852 4



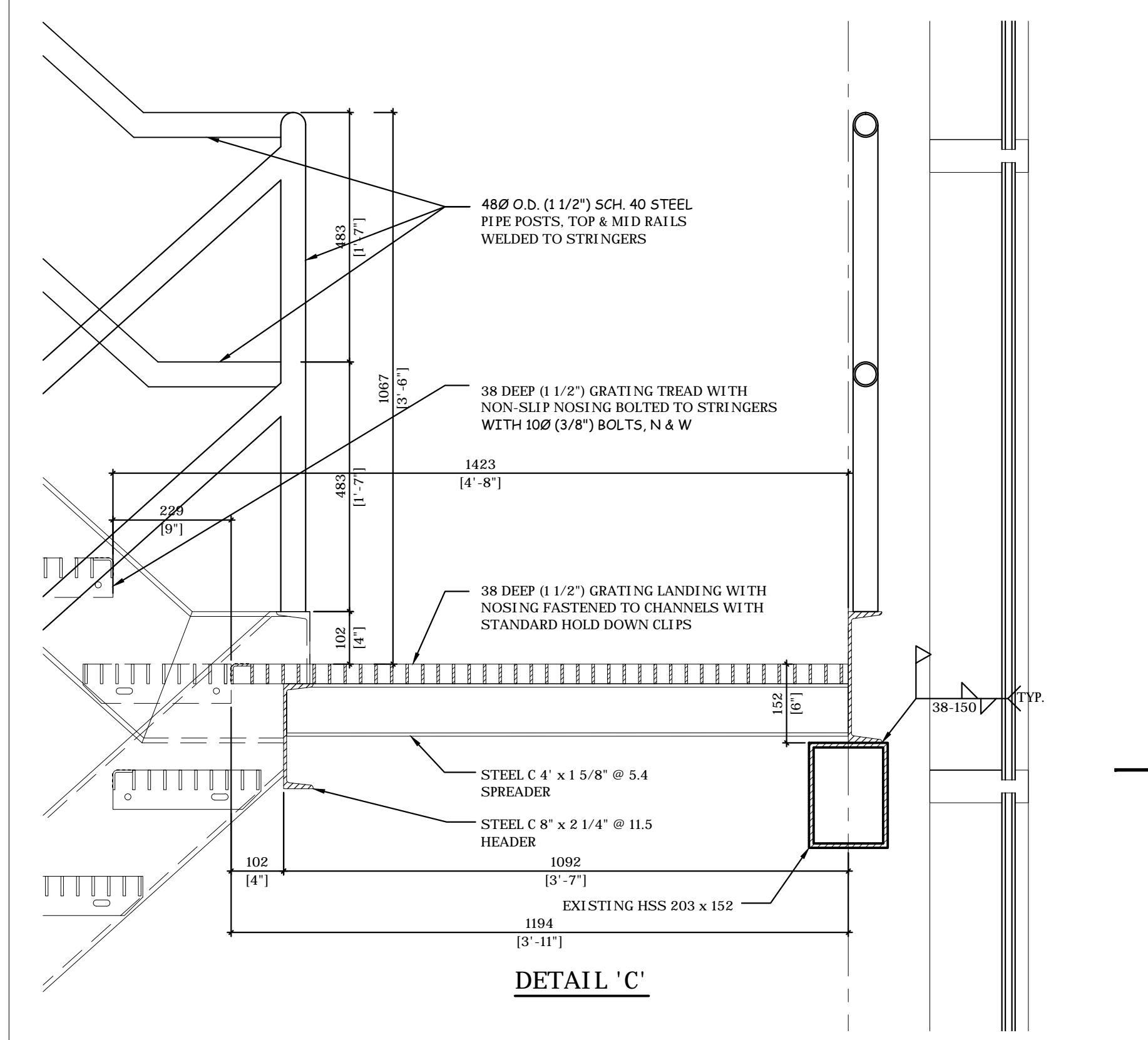
SECTION 'B'-'B' THRU TOWER STAIRS #4



SECTION 'C'-'C' THRU TOWER STAIRS #4



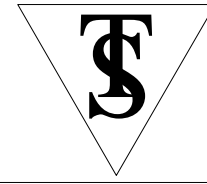
DETAIL 'D'

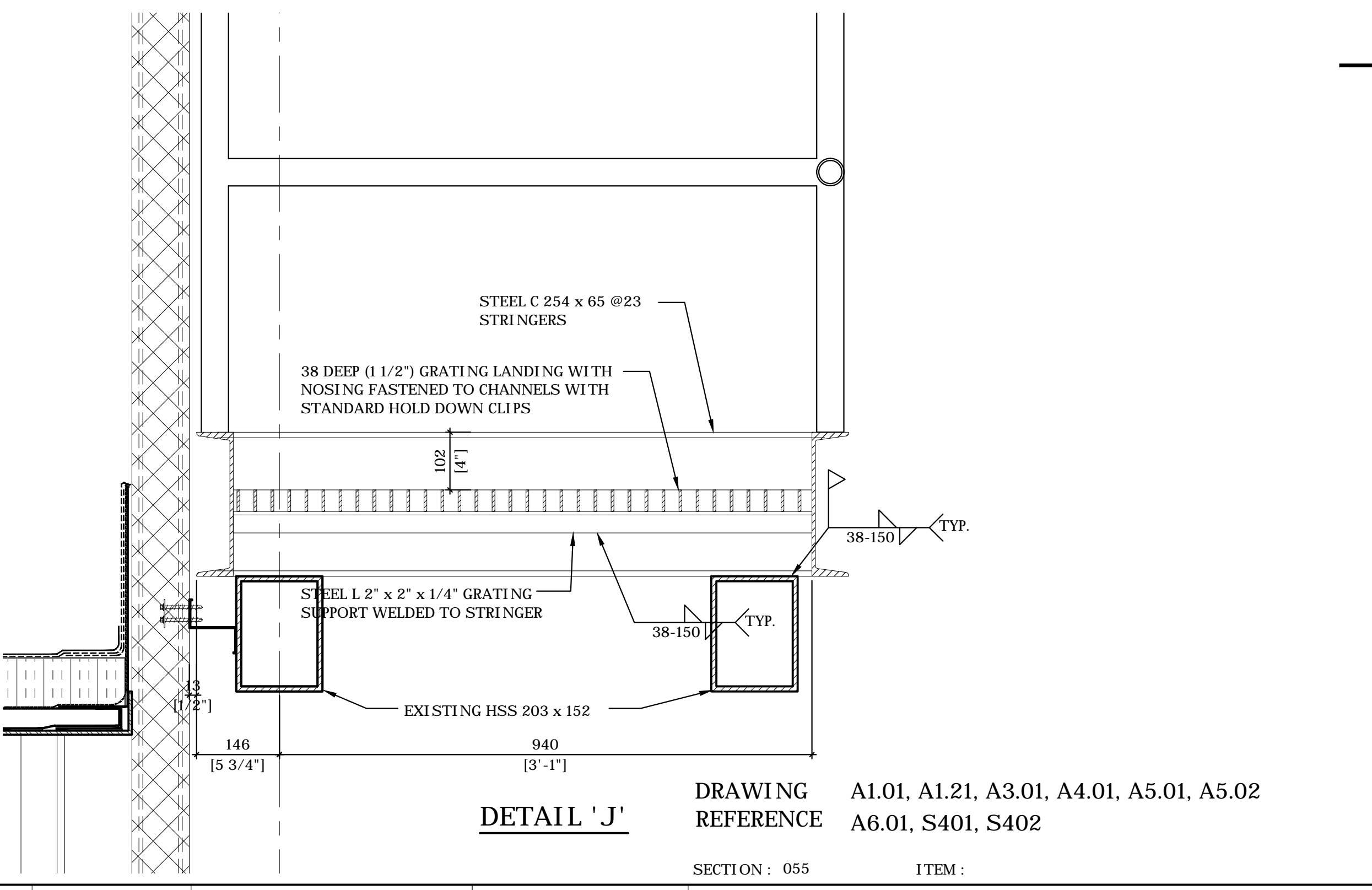
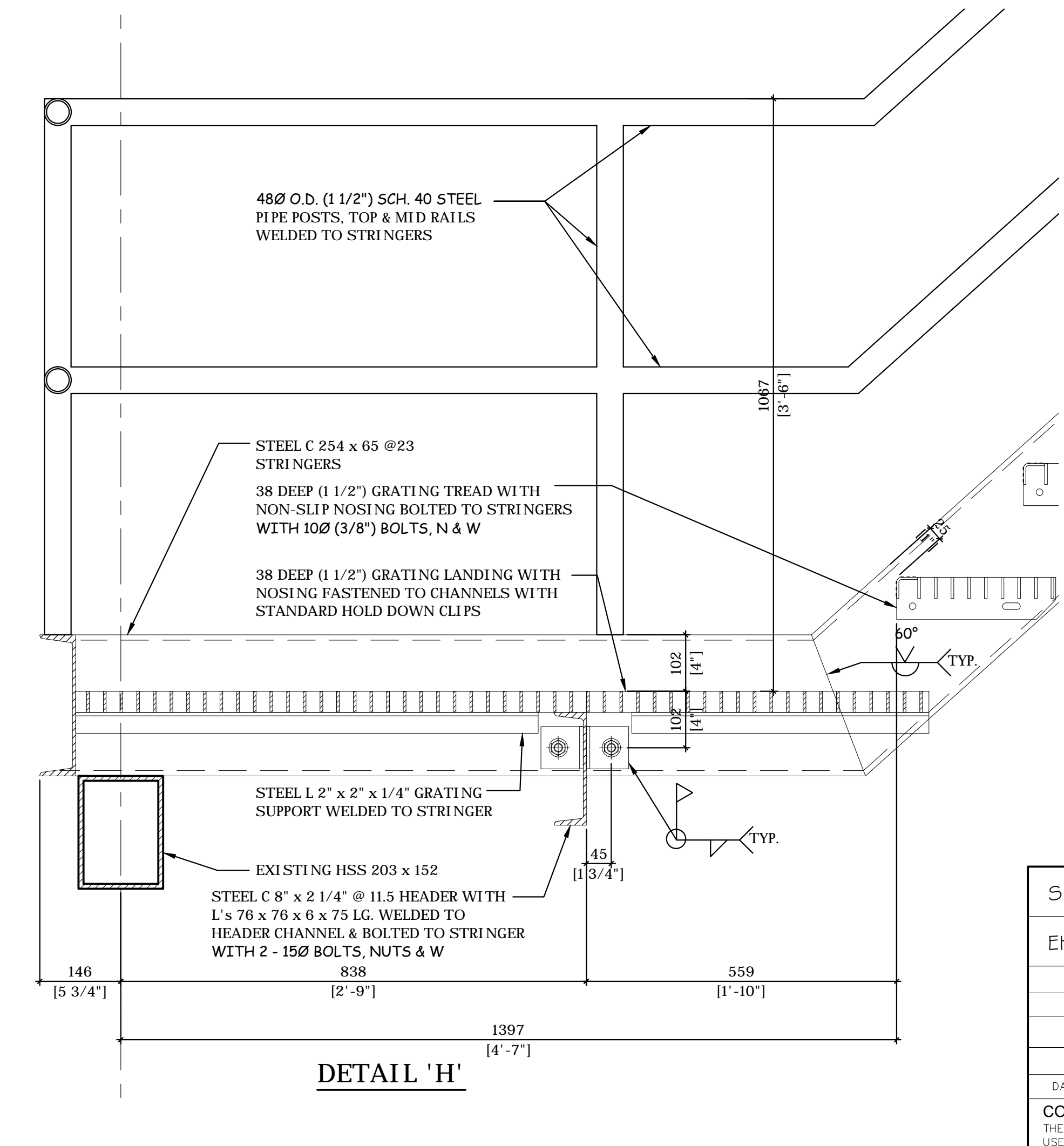
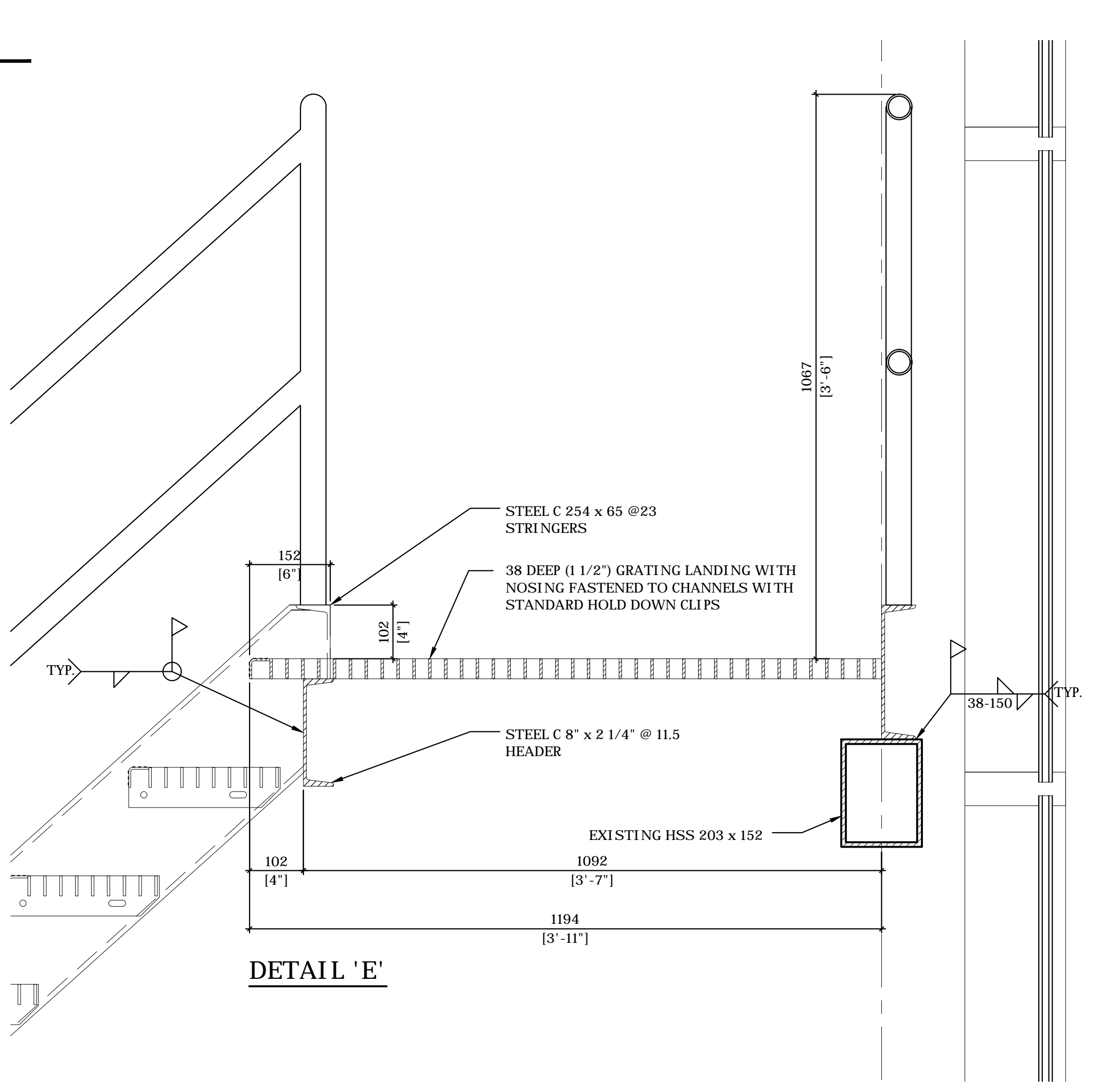
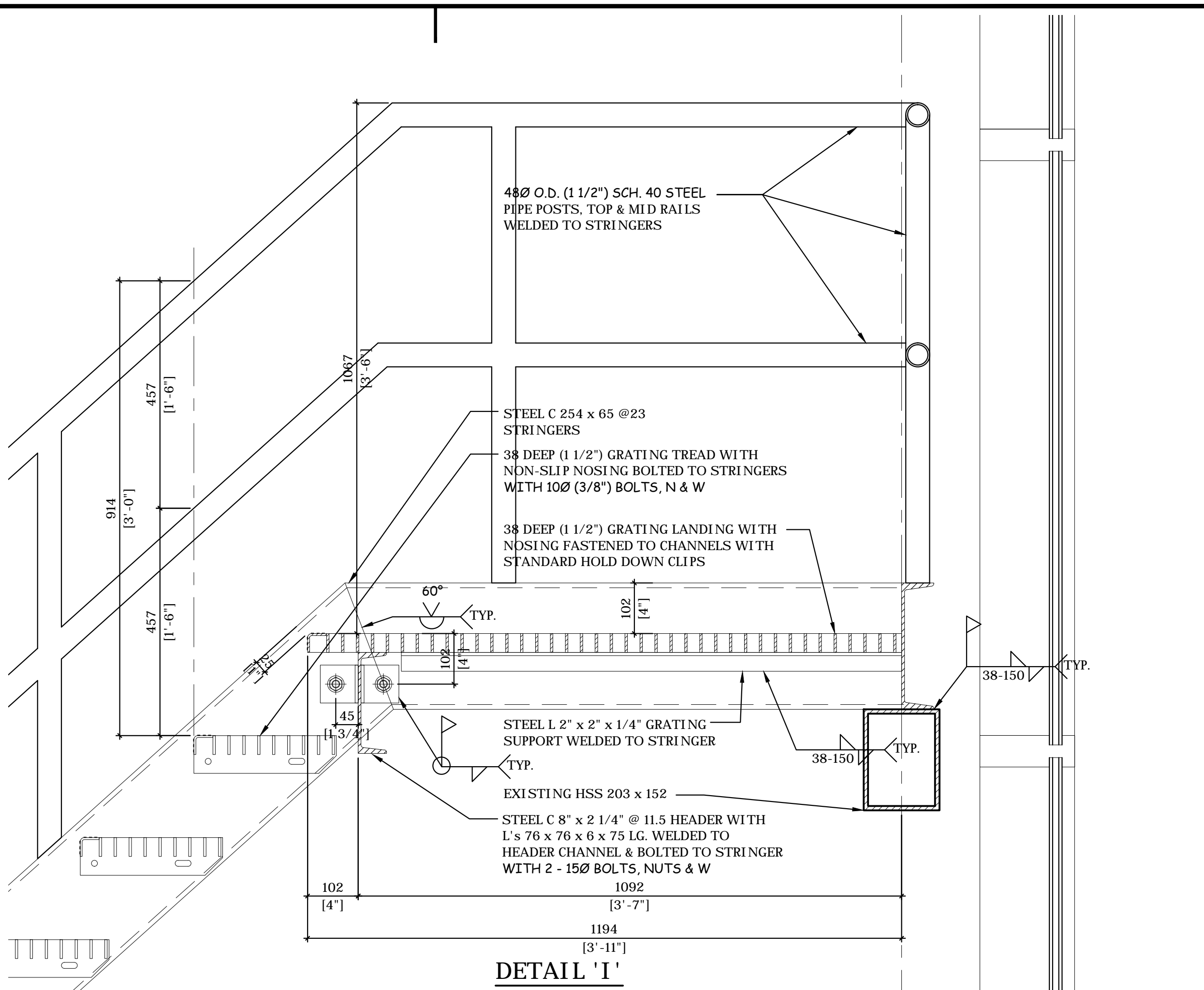
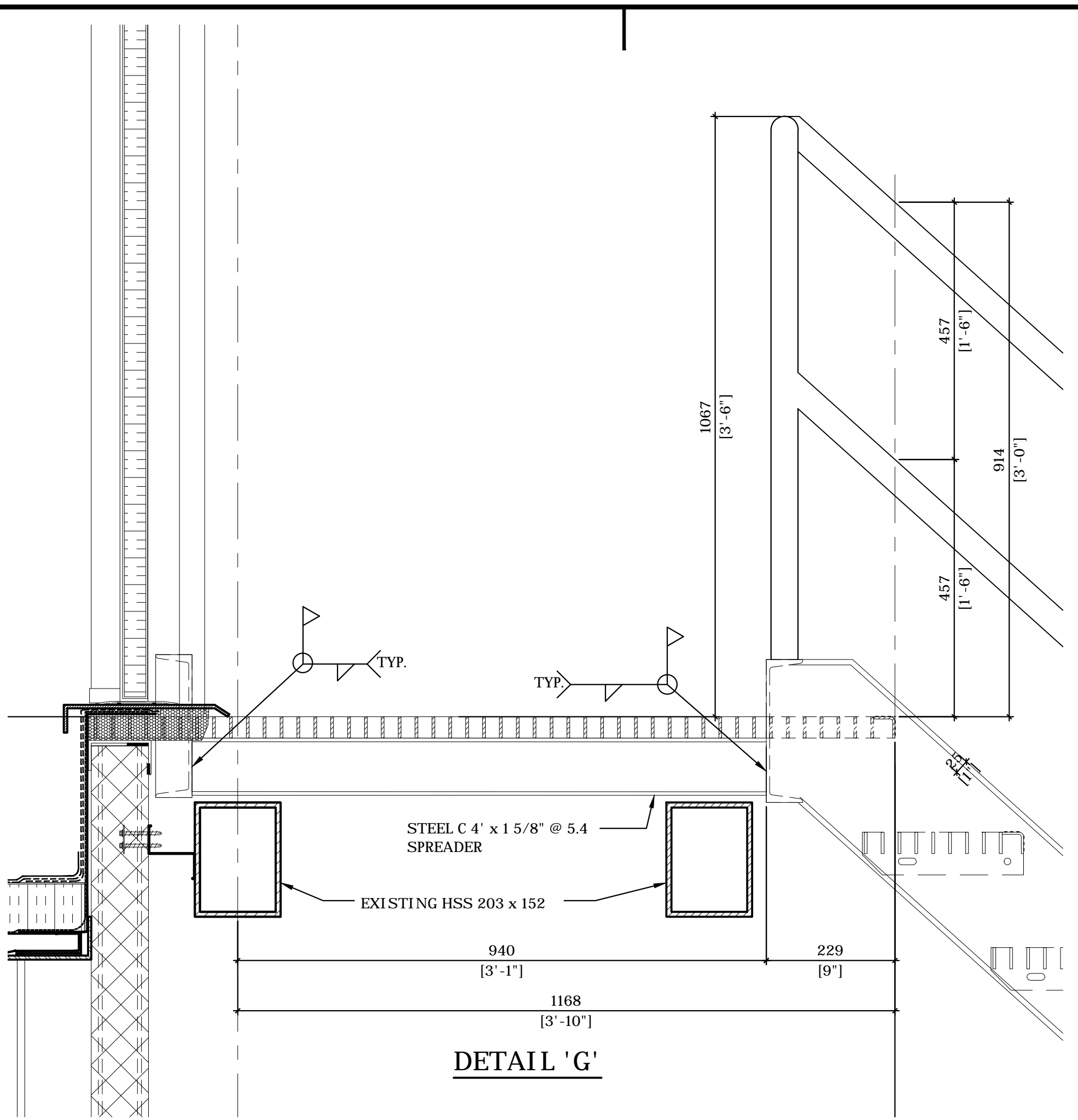
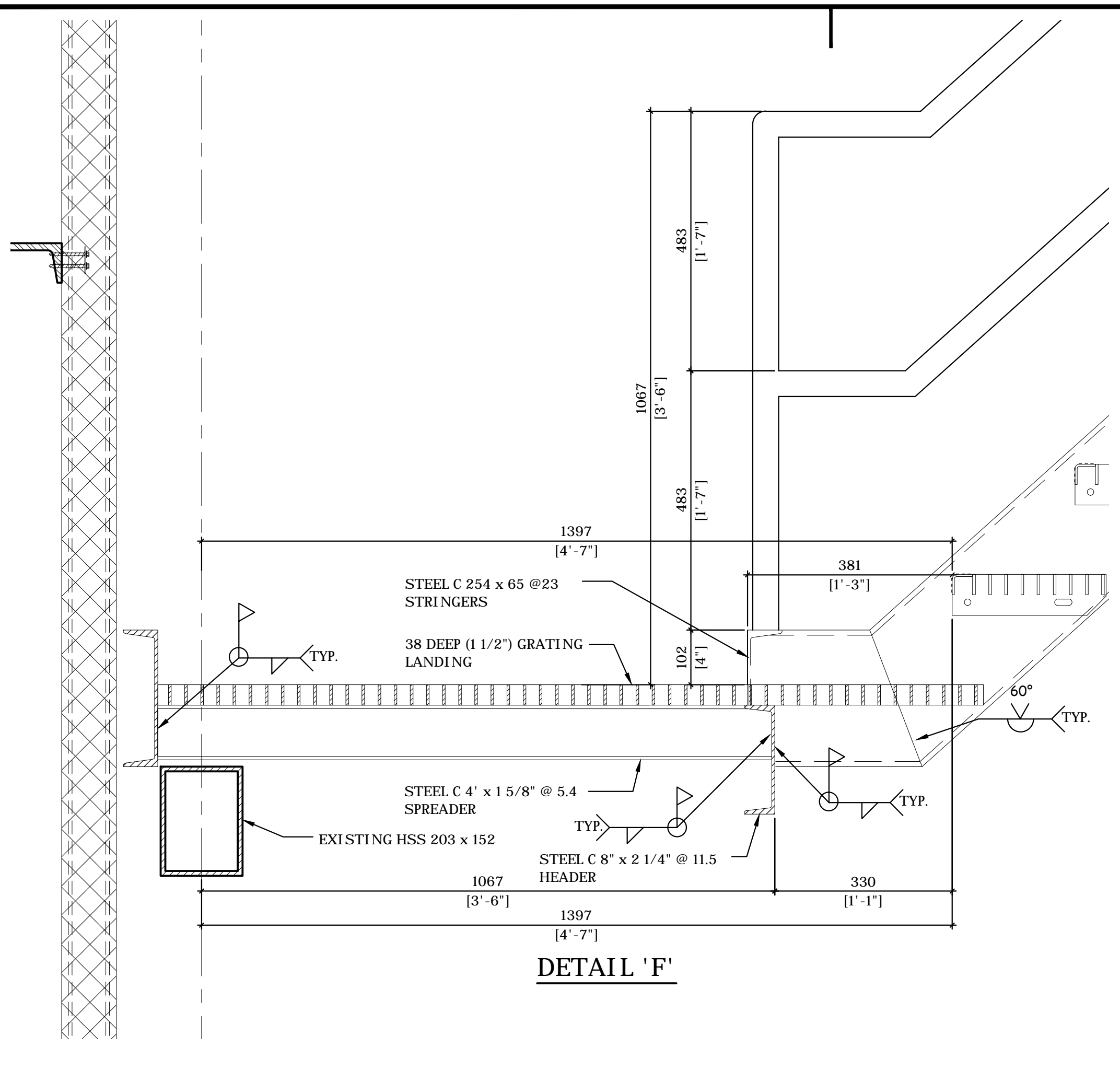


DETAIL 'C'

DRAWING A1.01, A1.21, A3.01, A4.01, A5.01, A5.02
 REFERENCE A6.01, S4.01, S4.02

SECTION : 055 ITEM :

SH	NOTE : ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.	 TORSTEEL CO. LIMITED ARCHITECTURAL METAL FABRICATORS 12905 COLERAIN DRIVE CALEDON, ONTARIO L7E 3B5 TEL: (905) 857-8320 FAX: (905) 857-8328	
EH			
DATE	NO.	REVISION	PROJECT CANADIAN TIRE DISTRIBUTION CENTRE
CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE!! THESE DRAWINGS ARE OUR INTERPRETATION OF THE CONTRACT DOCUMENTS TO BE USED FOR FABRICATION ON THIS PROJECT, THEREFORE IT IS IMPERATIVE THAT YOU CHECK THAT YOUR REQUIREMENTS ARE BEING PROVIDED FOR BY THESE DRAWINGS. YOUR REVIEW OR APPROVAL CONSTITUTES YOUR ACCEPTANCE OF OUR INTERPRETATION. EXCEPT FOR YOUR NOTES ON THE RETURNED DRAWINGS, ANY ADDITIONS, CHANGES, AMENDMENTS, ETC. REQUIRED BY THIS OFFICE AFTER OUR RECEIPT OF APPROVED DRAWINGS WILL BE AN EXTRA TO THE CONTRACT AT THE RELEVANT RATES.			LOCATION COLERAIN & HEALEY ROADS, BOLTON, ONTARIO
MATERIAL STEEL			ARCHITECT ENGINEER GLENN PIOTROWSKI ARCHITECTS LTD.
FINISH ONE COAT SHOP PRIMER AFTER FABRICATION			CUSTOMER BROCCOLINI
DRAWN BY AHH			TITLE TOWER STAIR #4 SECTIONS & DETAILS
DATE APR. 2015			CHECKED BY SCALE CONTRACT NO. 852
DRAWING NO. 4A			DRAWING NO. 4A



<p>NOTE : - ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.</p>		<p>CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE!! THESE DRAWINGS ARE OUR INTERPRETATION OF THE CONTRACT DOCUMENTS TO BE USED FOR FABRICATION ON THIS PROJECT, THEREFORE IT IS IMPERATIVE THAT YOU CHECK THAT YOUR REQUIREMENTS ARE BEING PROVIDED FOR BY THESE DRAWINGS. YOUR REVIEW OR APPROVAL CONSTITUTES YOUR ACCEPTANCE OF OUR INTERPRETATION, EXCEPT FOR YOUR NOTES ON THE RETURNED DRAWINGS. ANY ADDITIONS, CHANGES ADDENDA, ETC. REQUIRED BY THIS OFFICE AFTER OUR RECEIPT OF APPROVED DRAWINGS WILL BE AN EXTRA TO THE CONTRACT AT THE RELEVANT RATES.</p>		<p>MATERIAL STEEL</p>		<p>FINISH ONE COAT SHOP PRIMER AFTER FABRICATION</p>		<p>DATE APR. 2015</p>		<p>SCALE</p>		<p>CONTRACT NO. 852</p>		<p>DRAWING NO. 4B</p>					
<p>SH</p>		<p>EH</p>		<p>PROJECT CANADIAN TIRE DISTRIBUTION CENTRE</p>		<p>LOCATION COLERAINE & HEALEY ROADS, BOLTON, ONTARIO</p>		<p>ARCHITECT ENGINEER GLENN PIOTROWSKI ARCHITECTS LTD.</p>		<p>CUSTOMER BROCCOLINI</p>		<p>TITLE TOWER STRAIN #4 DETAILS</p>		<p>DRAWN BY AHB</p>		<p>CHECKED BY</p>			
<p>DATE</p>		<p>NO.</p>		<p>REVISION</p>		<p>CONTRACTOR</p>		<p>ARCHITECT</p>		<p>ENGINEER</p>		<p>CUSTOMER</p>		<p>TITLE</p>		<p>DRAWN BY</p>		<p>CHECKED BY</p>	

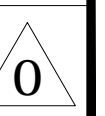
DRAWING REFERENCE A1.01, A1.21, A3.01, A4.01, A5.01, A5.02 A6.01, S401, S402

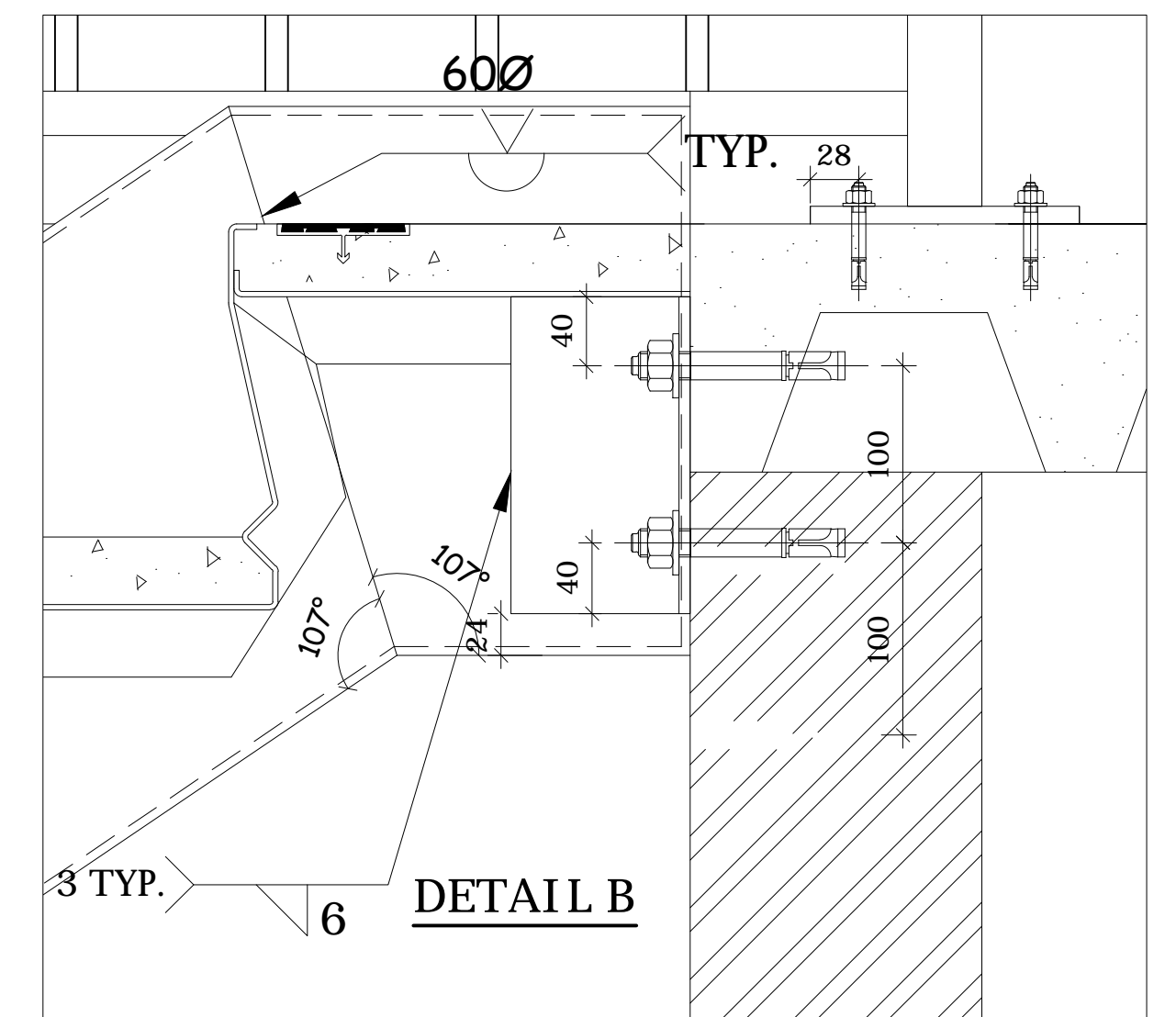
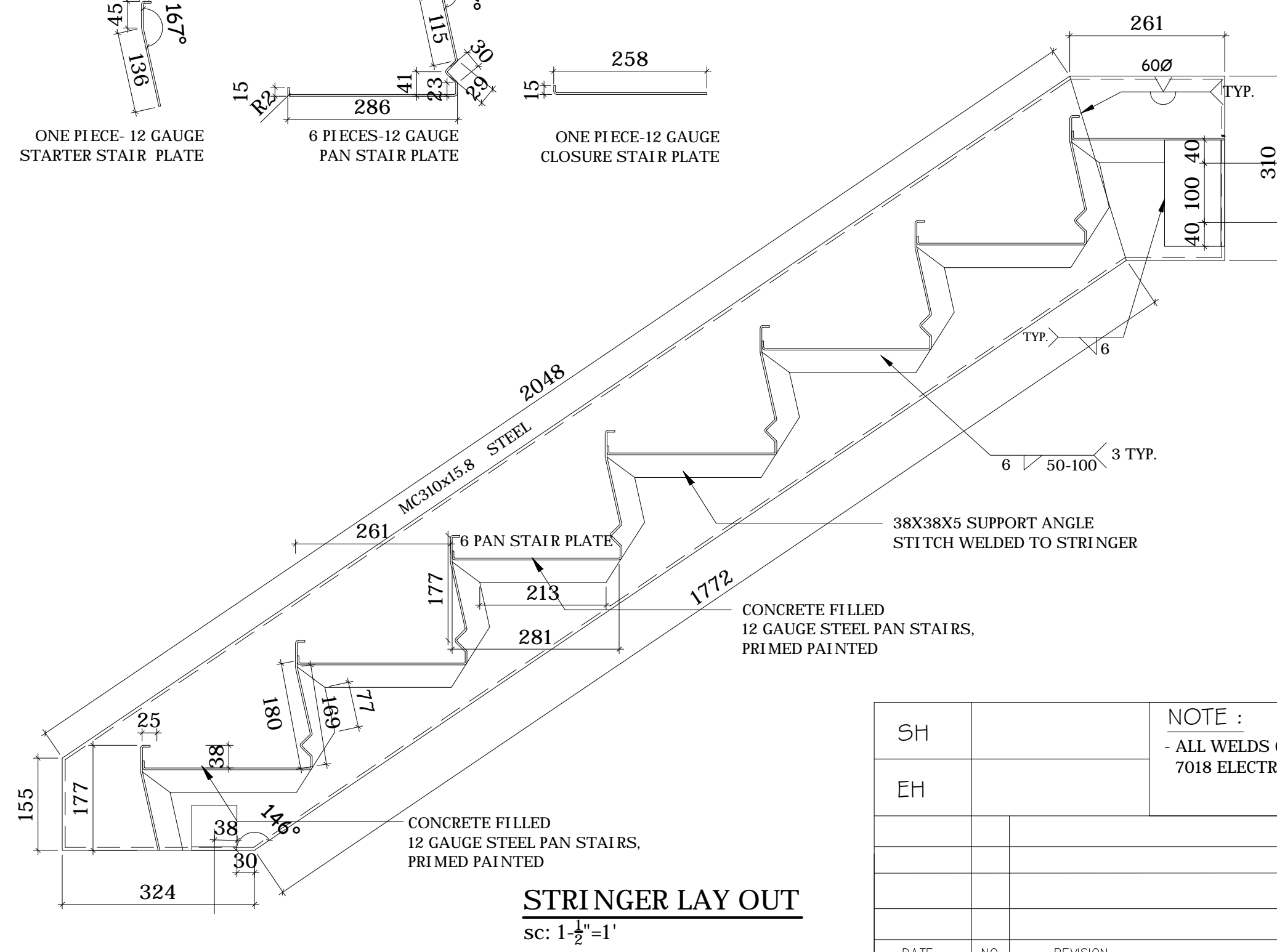
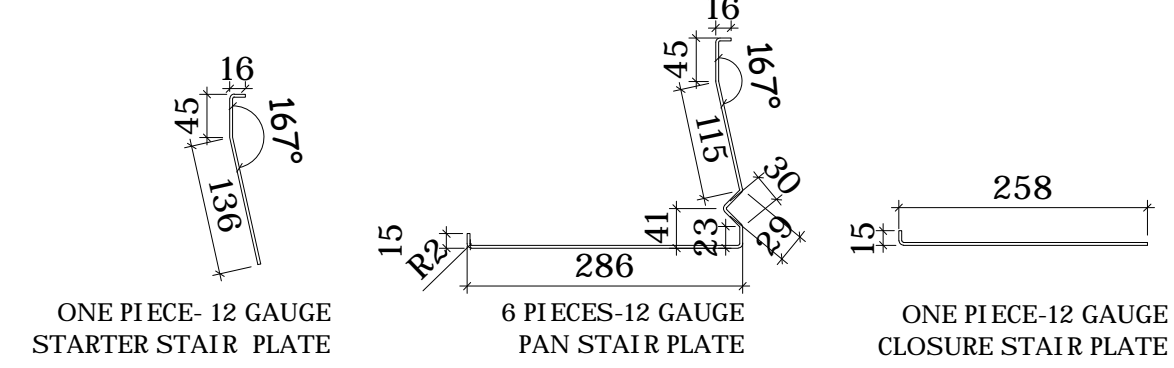
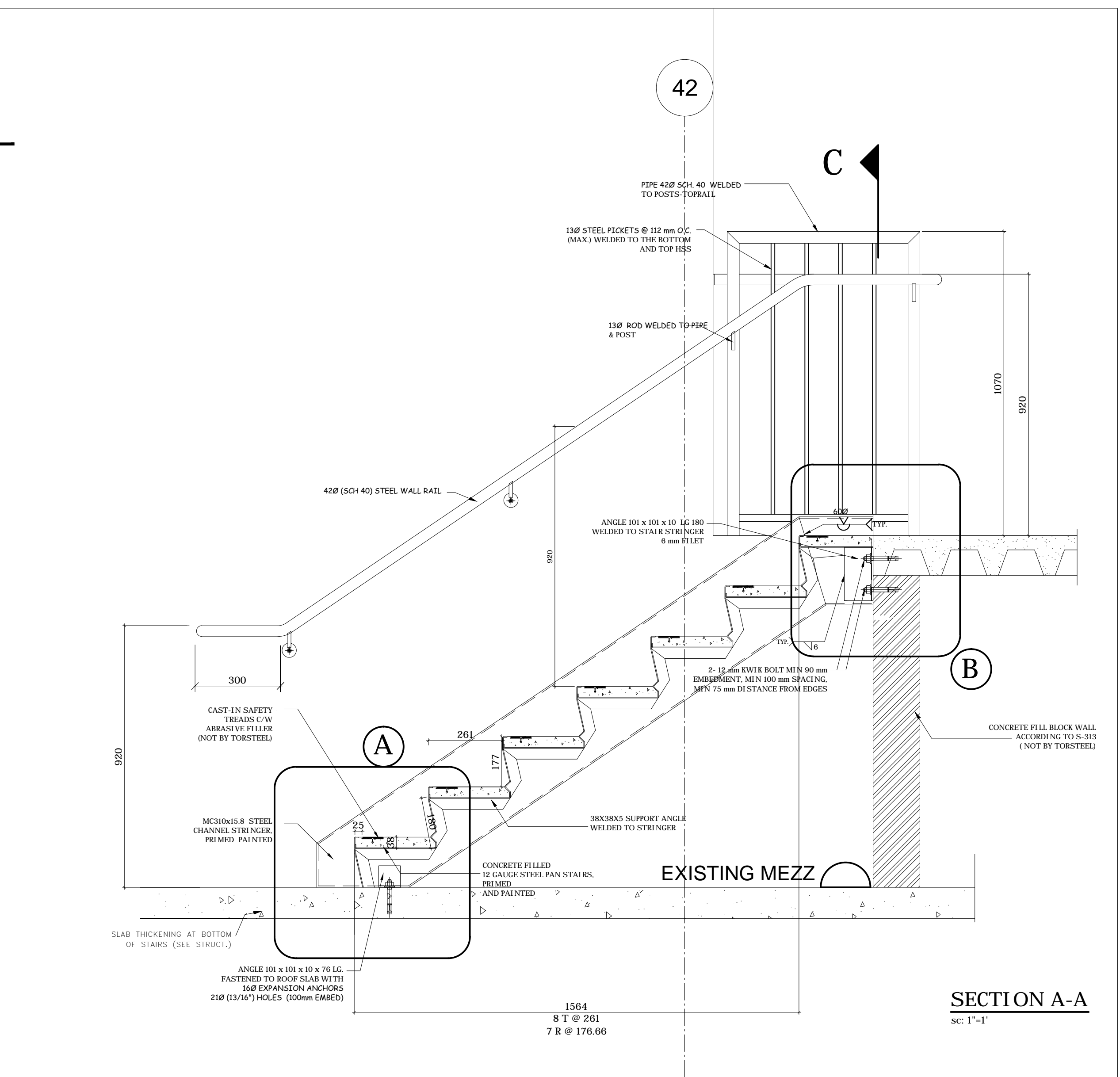
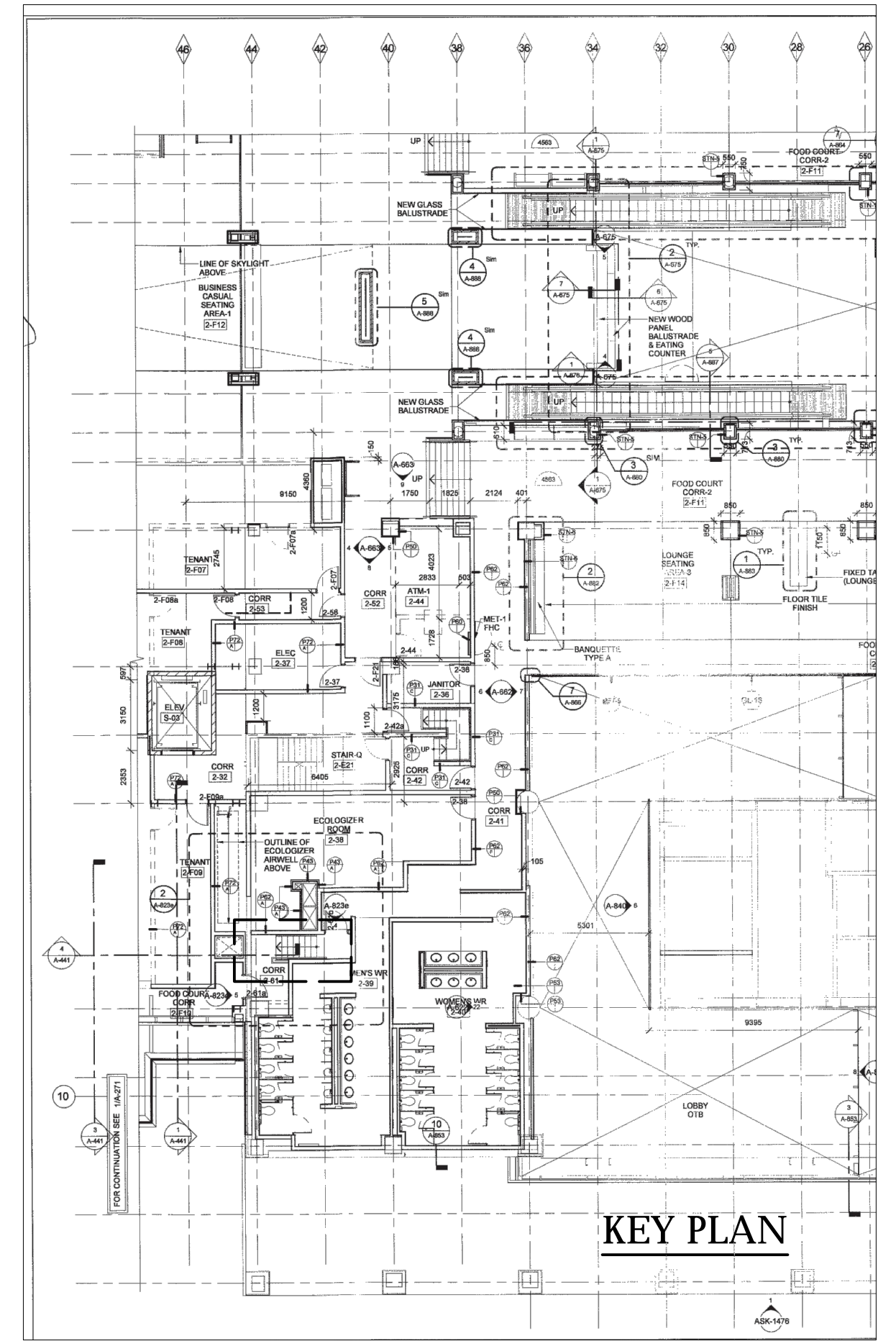
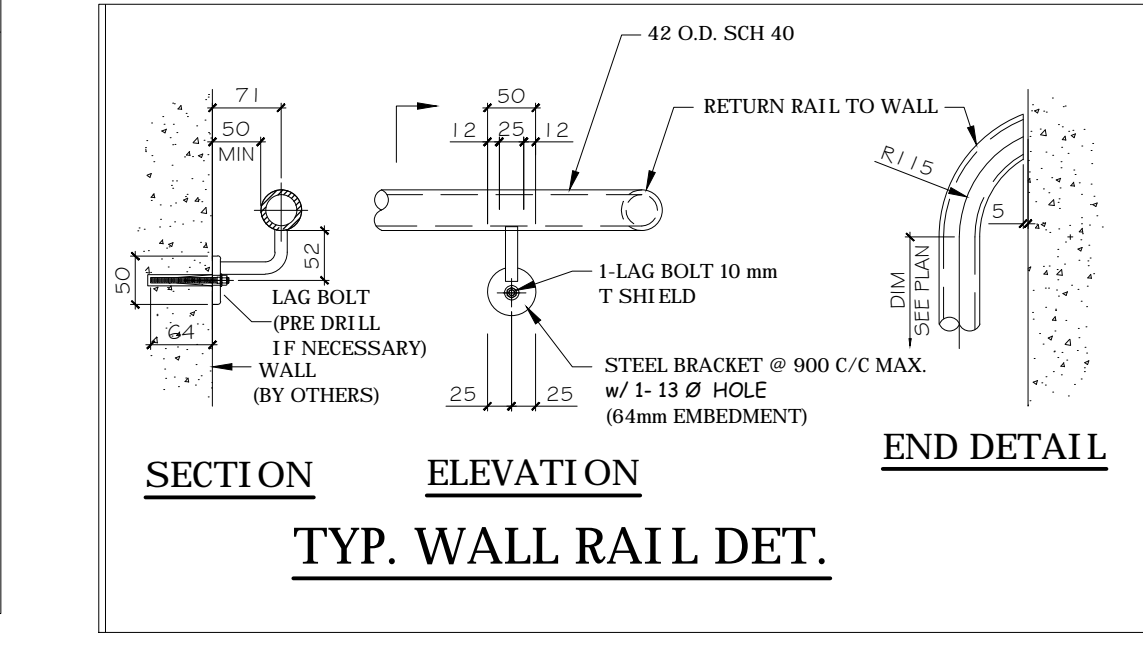
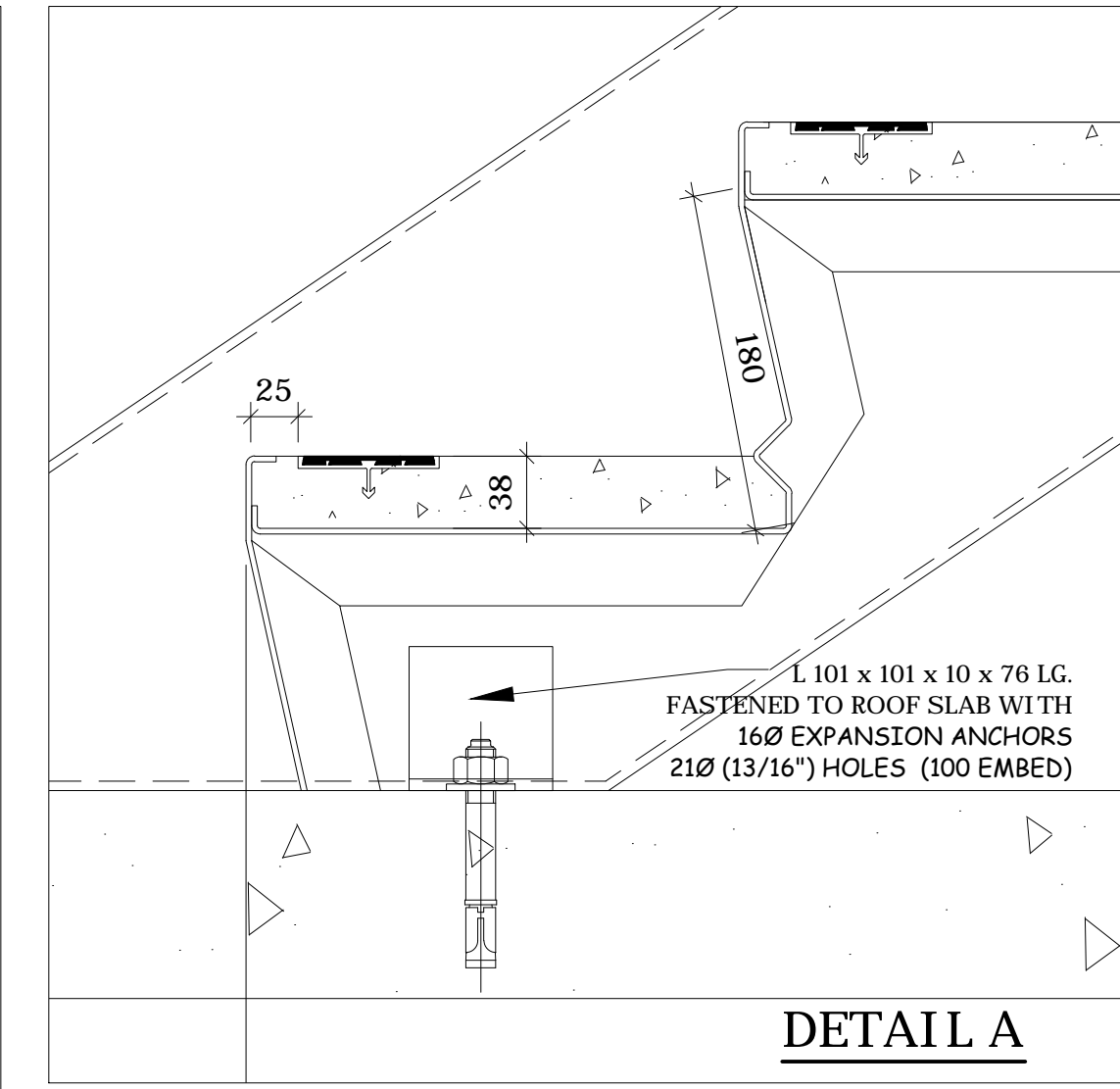
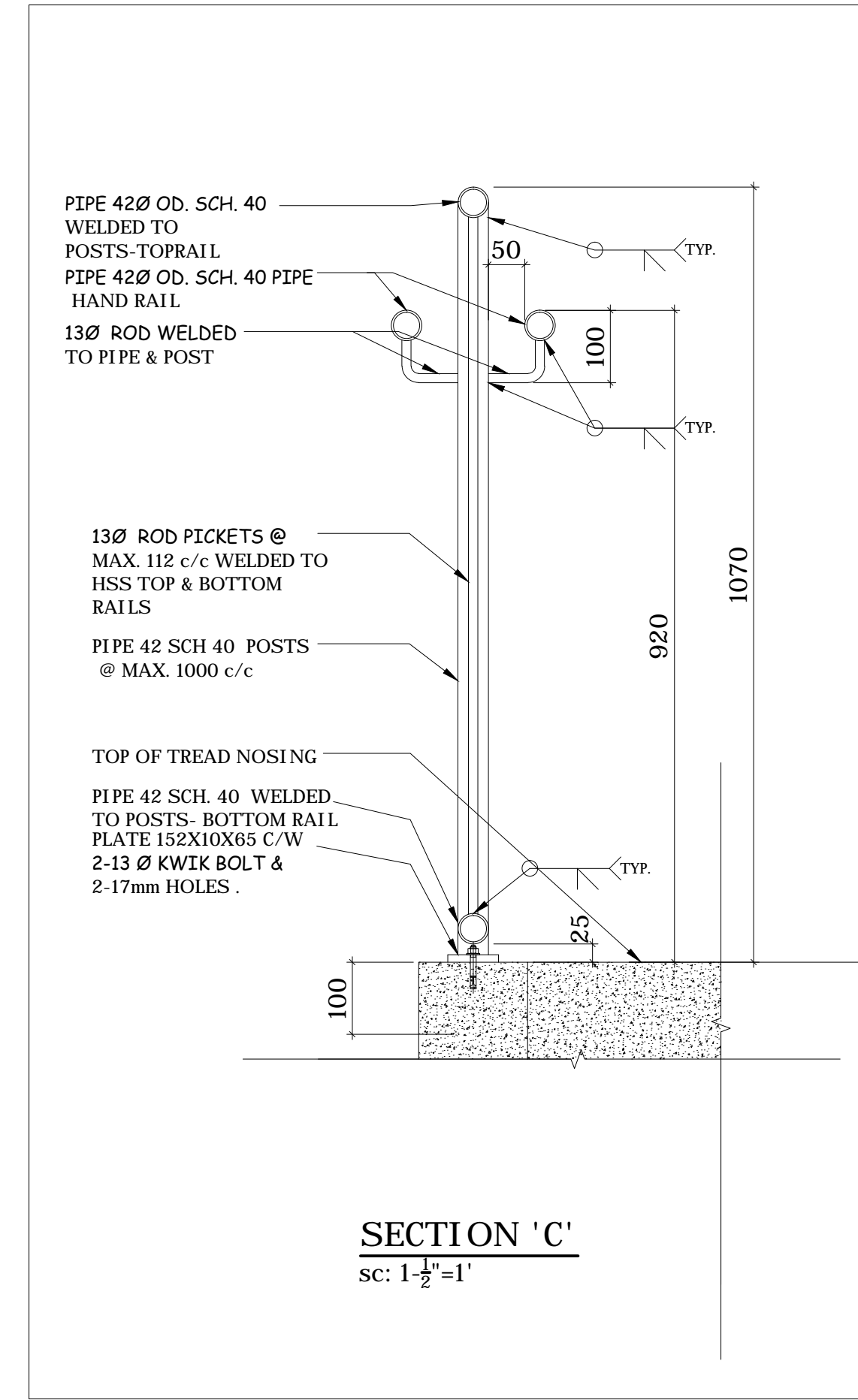
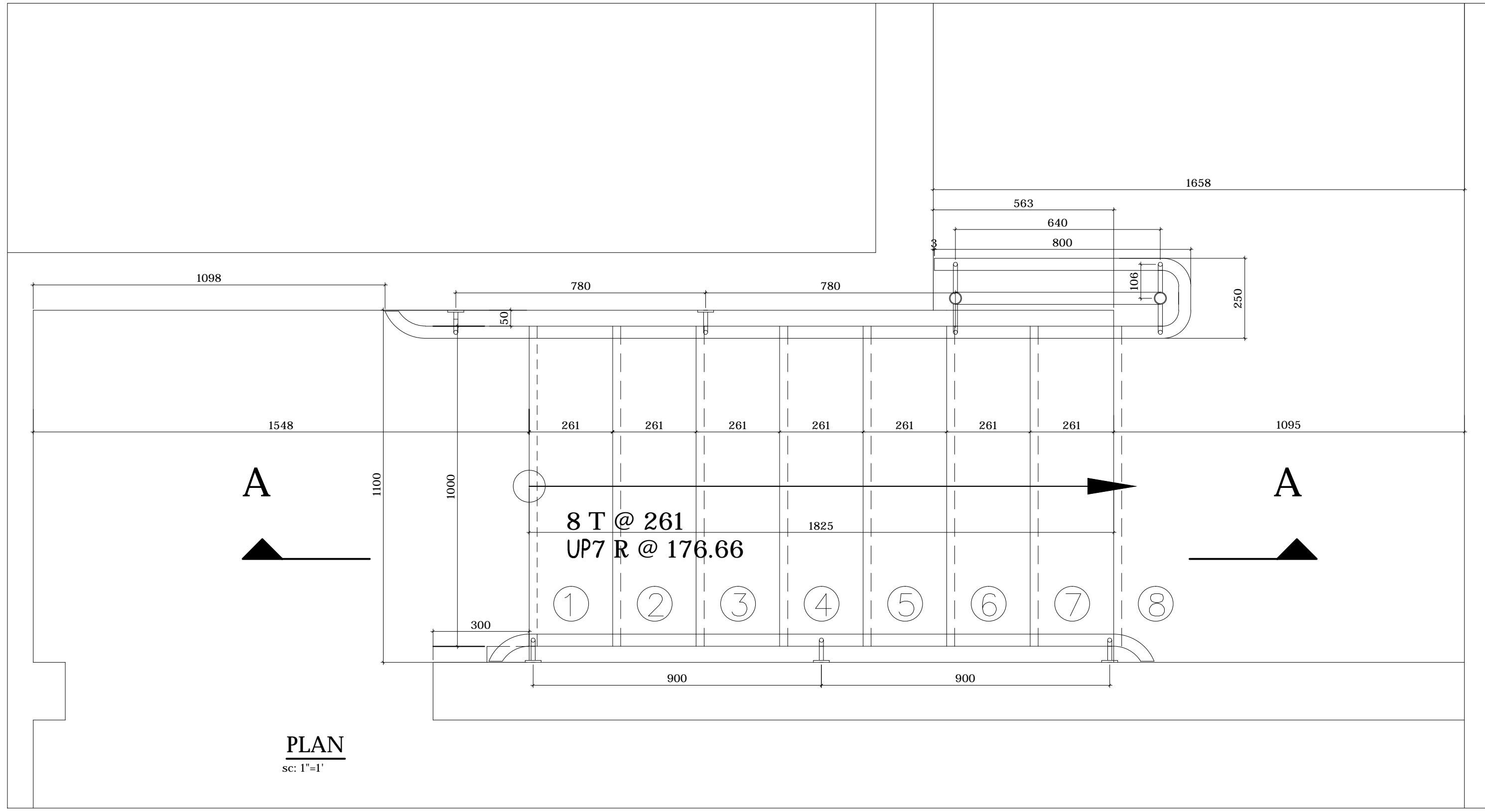
SECTION : 055 ITEM :

TORSTEEL CO. LIMITED
ARCHITECTURAL METAL FABRICATORS
12905 COLERAINE DRIVE
CALEDON, ONTARIO L7E 3B5
TEL: (905) 857-8320 FAX: (905) 857-8328

PROJECT CANADIAN TIRE DISTRIBUTION CENTRE
LOCATION COLERAINE & HEALEY ROADS, BOLTON, ONTARIO
ARCHITECT ENGINEER GLENN PIOTROWSKI ARCHITECTS LTD.

CUSTOMER BROCCOLINI
TITLE TOWER STRAIN #4 DETAILS
DRAWN BY AHB
CHECKED BY
DATE APR. 2015
SCALE
CONTRACT NO. 852
DRAWING NO. 4B





NOTE :

- ALL WELDS 6mm FILLET UNLESS NOTED
- VERIFY ALL DIMENSIONS ON SITE BEFORE FABRICATION

DRAWING REFERENCE : A-823e, S-204E

SECTION : 055 ITEM :

NOTE :

- ALL WELDS 6mm FILLET
- 7018 ELECTRODE UNLESS NOTED.

SH	
EH	
DATE	NO. REVISION
CONTRACTOR, ARCHITECT OR ENGINEER PLEASE NOTE!	
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MATERIAL	STEEL
FINISH	PRIM PAINTED

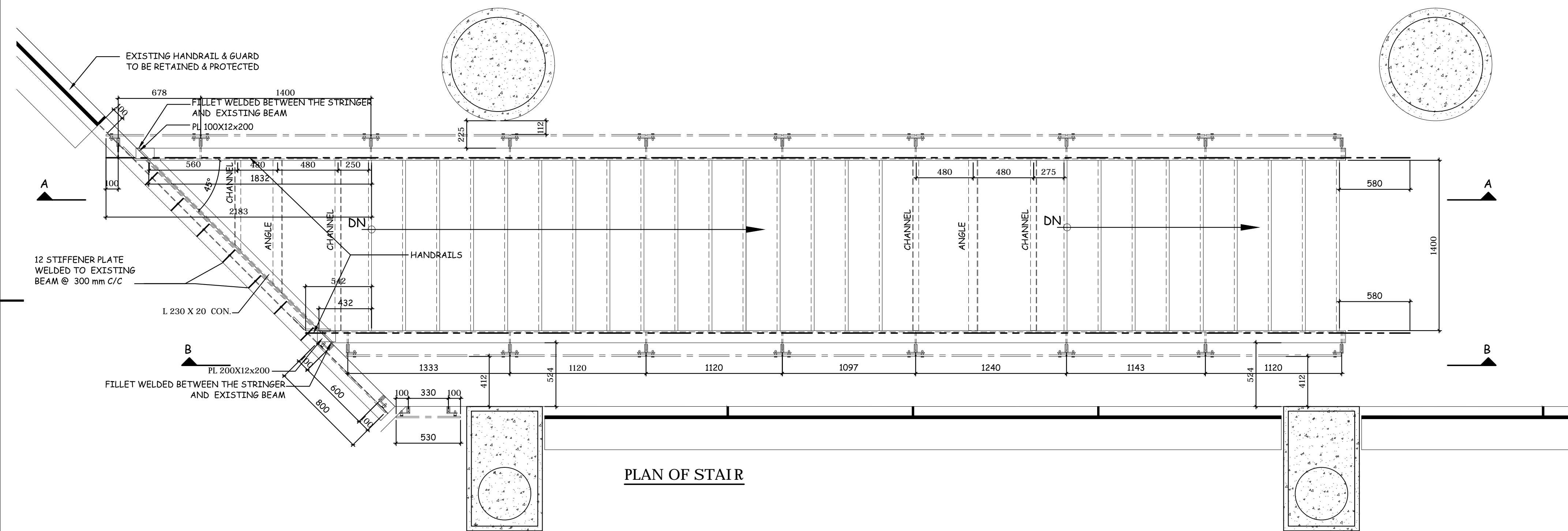
TORSTEEL CO. LIMITED
ARCHITECTURAL METAL FABRICATORS
1 2905 COLERAIN DRIVE
CALEDON, ONTARIO L7E 3B5
TEL: (905) 857-8320 FAX: (905) 857-8328

PROJECT: WATER PARK PLACE III
LOCATION: 85, HARBOR STREET, TORONTO, ON
ARCHITECT ENGINEER: MZMH ARCHITECTS
CUSTOMER: ELLIS DON CONSTRUCTION

TITLE: **PLAN, SECTION & DETAILS for NEW CORRIDOR 2-61 STAIR & c/w RAILINGS**

DRAWN BY: AHB	CHECKED BY:	CONTRACT NO.:	DRAWING NO.:
DATE: APRIL 2015	SCALE:	791	1067R1

2



PLAN OF STAIR

DESIGN LOAD:

L.L. = 4.8 kpa

D.L. = 4.2 kpa

MATERIAL GRADE: 300 W

DESIGN STANDARD AND CODE: OBC 2012

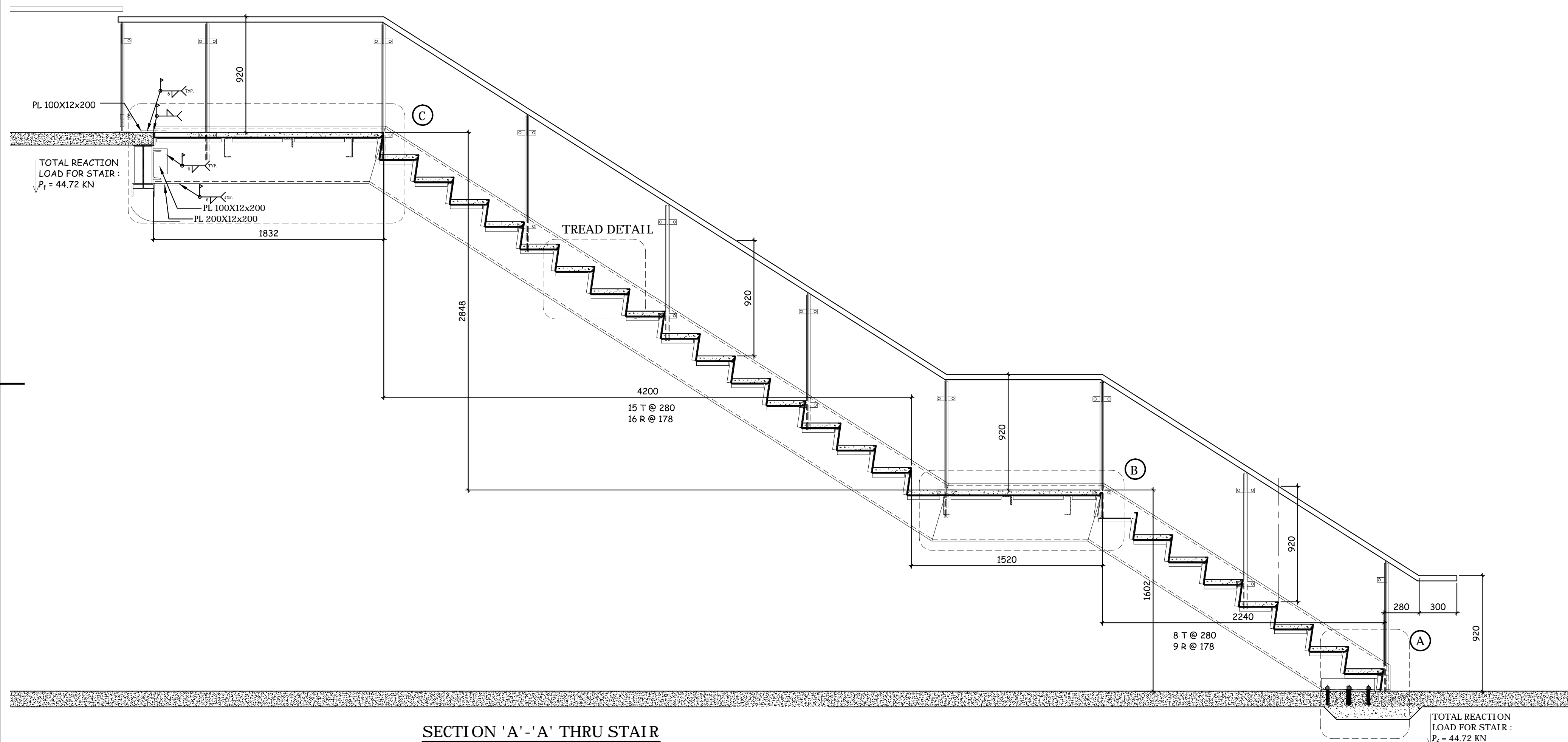
DIV 4

REACTION LOAD CALCULATION:

$\{[4.8(1.5)+4.2(1.25)](1.4)(9.576)\}/4 = 41.72 \text{ KN}$

GLASS GUARDRAIL AND RAILING ... 3 kN AT EACH END OF STRINGER.

TOTAL: 44.72 kN



SECTION 'A'-'A' THRU STAIR

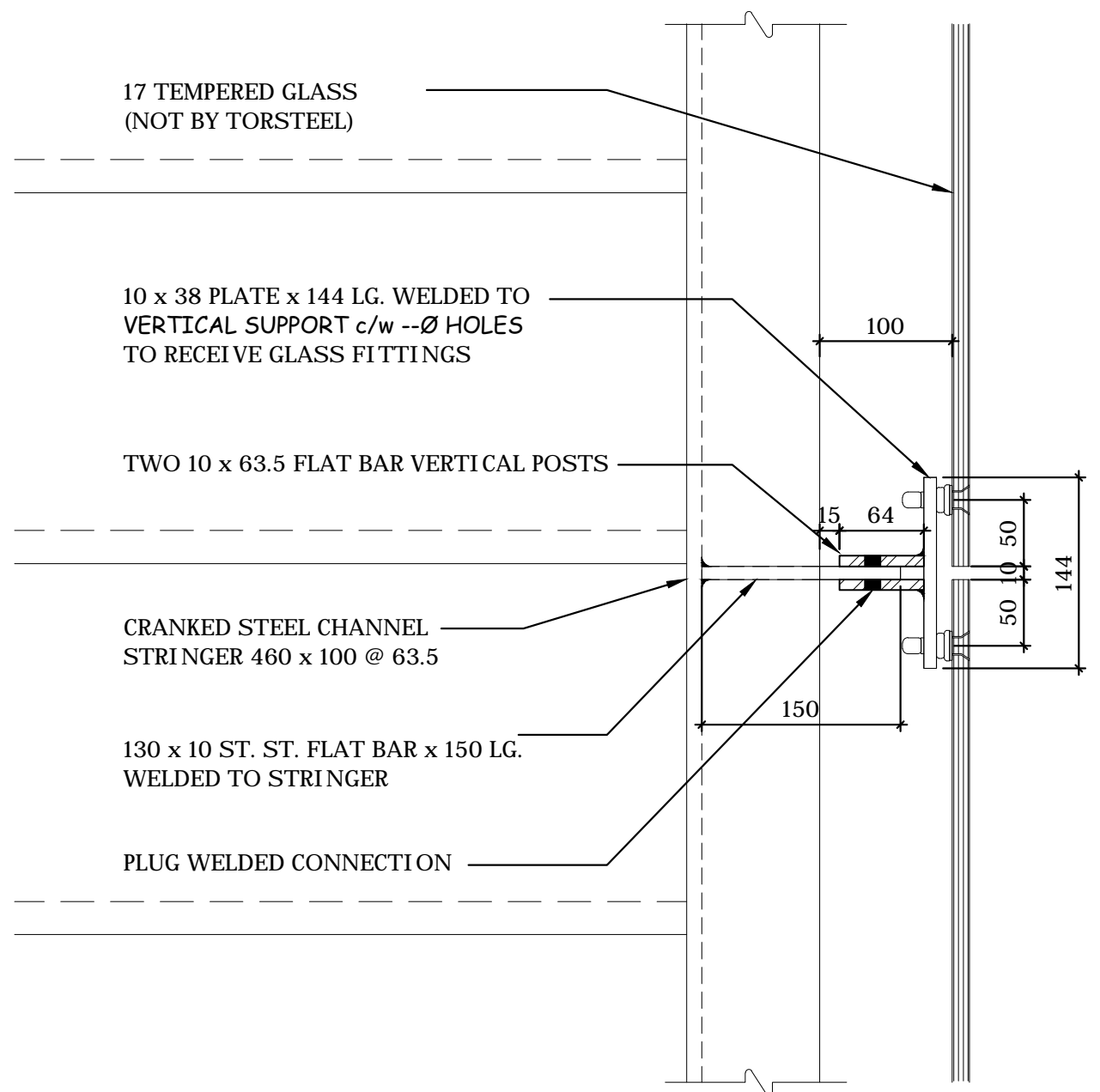
DRAWING REFERENCE : PDF-A3.01

SECTION : ITEM :

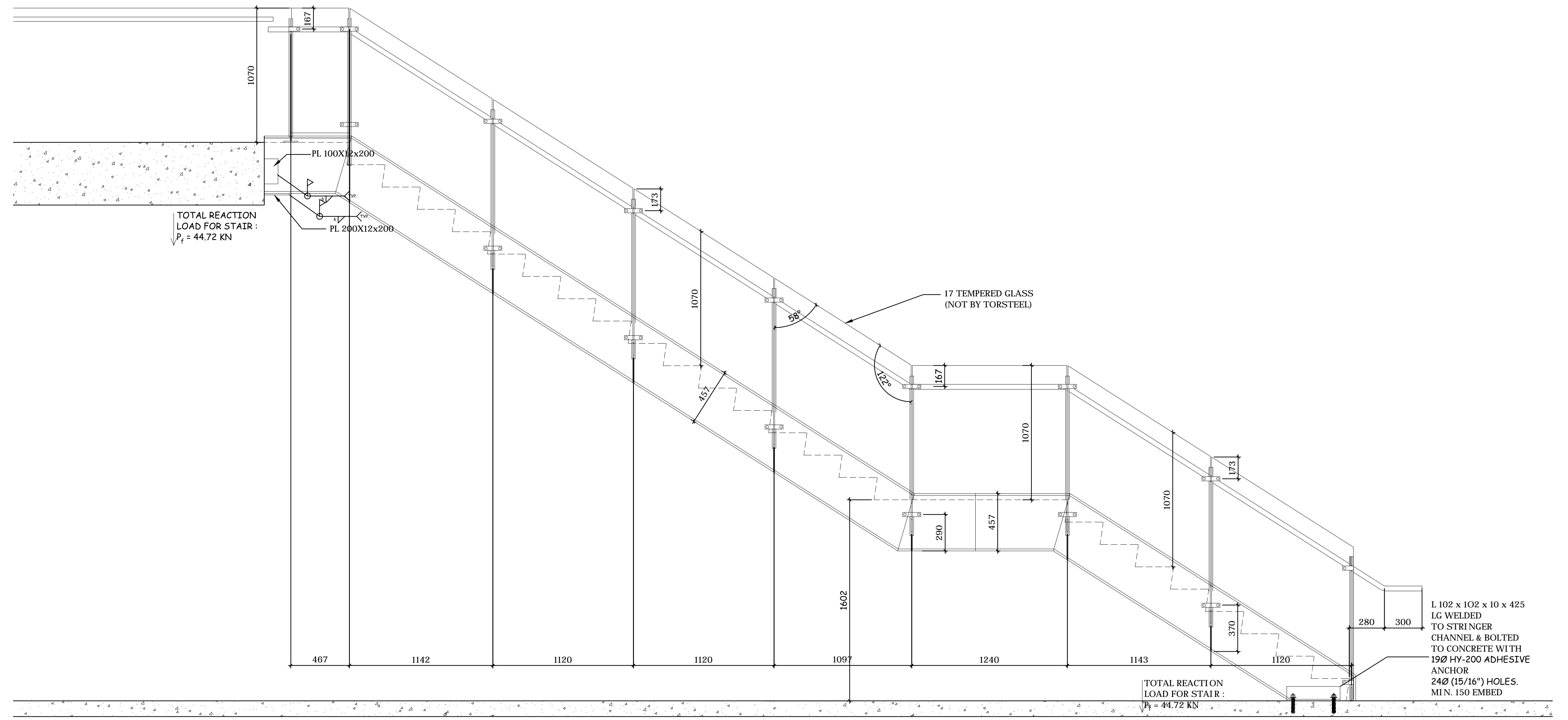
SH		NOTE :
EH		- ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.
22 April. 15	3	MODIFICATION ACCORDING NASSER COMMENTS
30 Mar. 15	2	TO TERRAPROBE INSPECTORS REPORT
DATE	NO.	REVISION
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MATERIAL	STEEL	
HAND RAIL - STAINLESS STEEL		
FINISH	ONE COAT OF SHOP PRIMER AFTER FABRICATION	

TORSTEEL CO. LIMITED
ARCHITECTURAL METAL FABRICATORS
12905 COLERAIN DRIVE
CALEDON, ONTARIO L7E 3B5
TEL: (905) 857-8320 FAX: (905) 857-8328

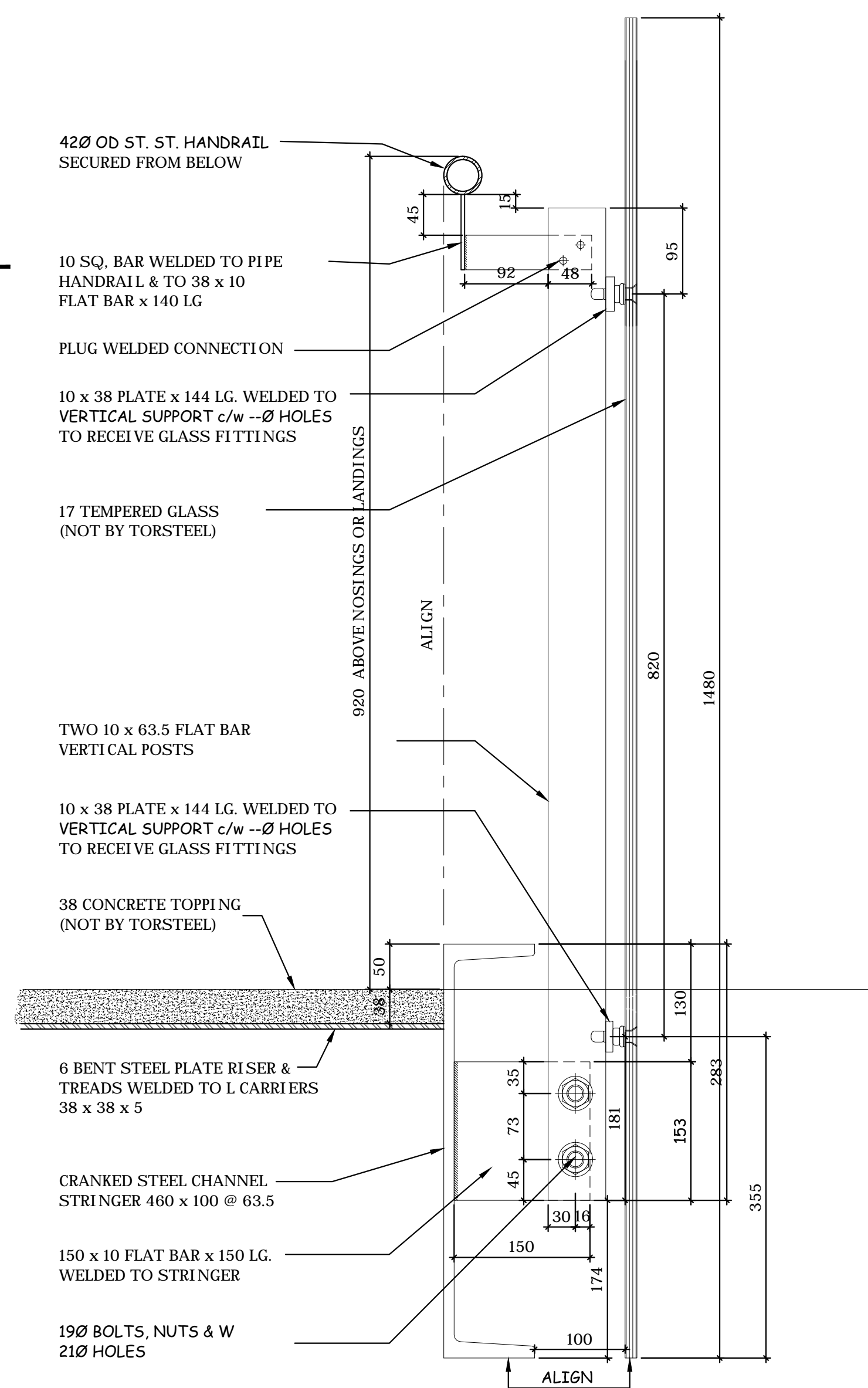
PROJECT	HUMBER STUDENT FEDERATION PLAZA		
LOCATION	TORONTO, ONTARIO		
ARCHITECT	MontgomerySisam		
CUSTOMER	EASTERN CONSTRUCTION		
TITLE	NEW FEATURE STAIR PLAN & SECTION		
DRAWN BY	AHB	CHECKED BY	
DATE	FEB. 2015	SCALE	
CONTRACT NO.	851	DRAWING NO.	2



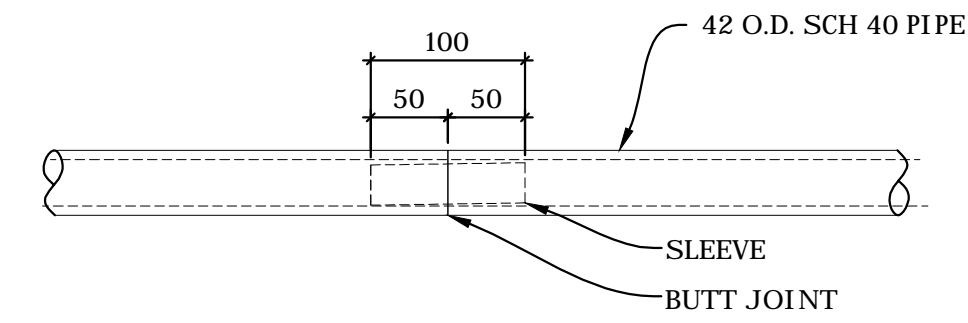
PLAN OF POST ON STRINGER DETAIL



ELEVATION 'B'-B' OF STAIR



SECTION OF POST ON STRINGER DETAIL



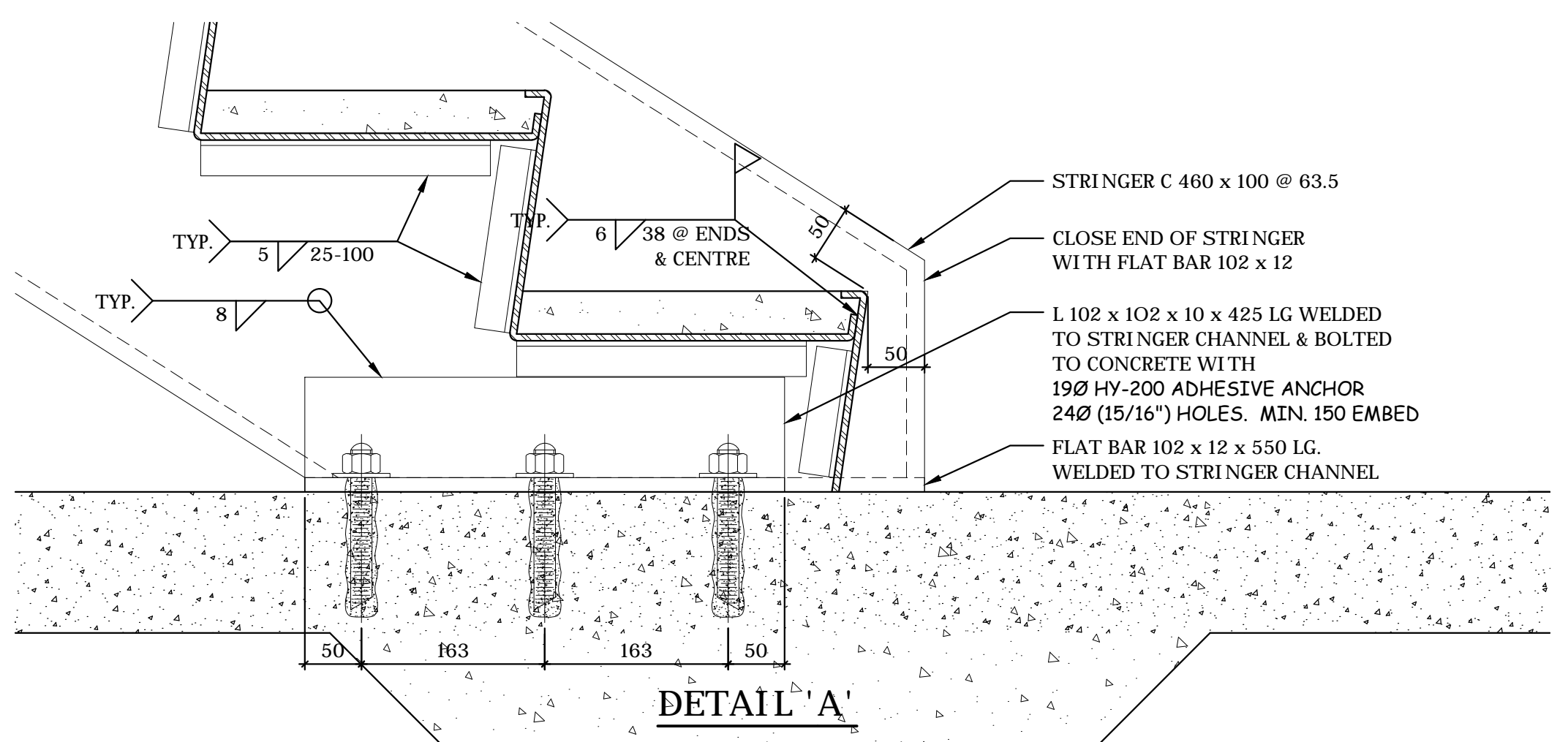
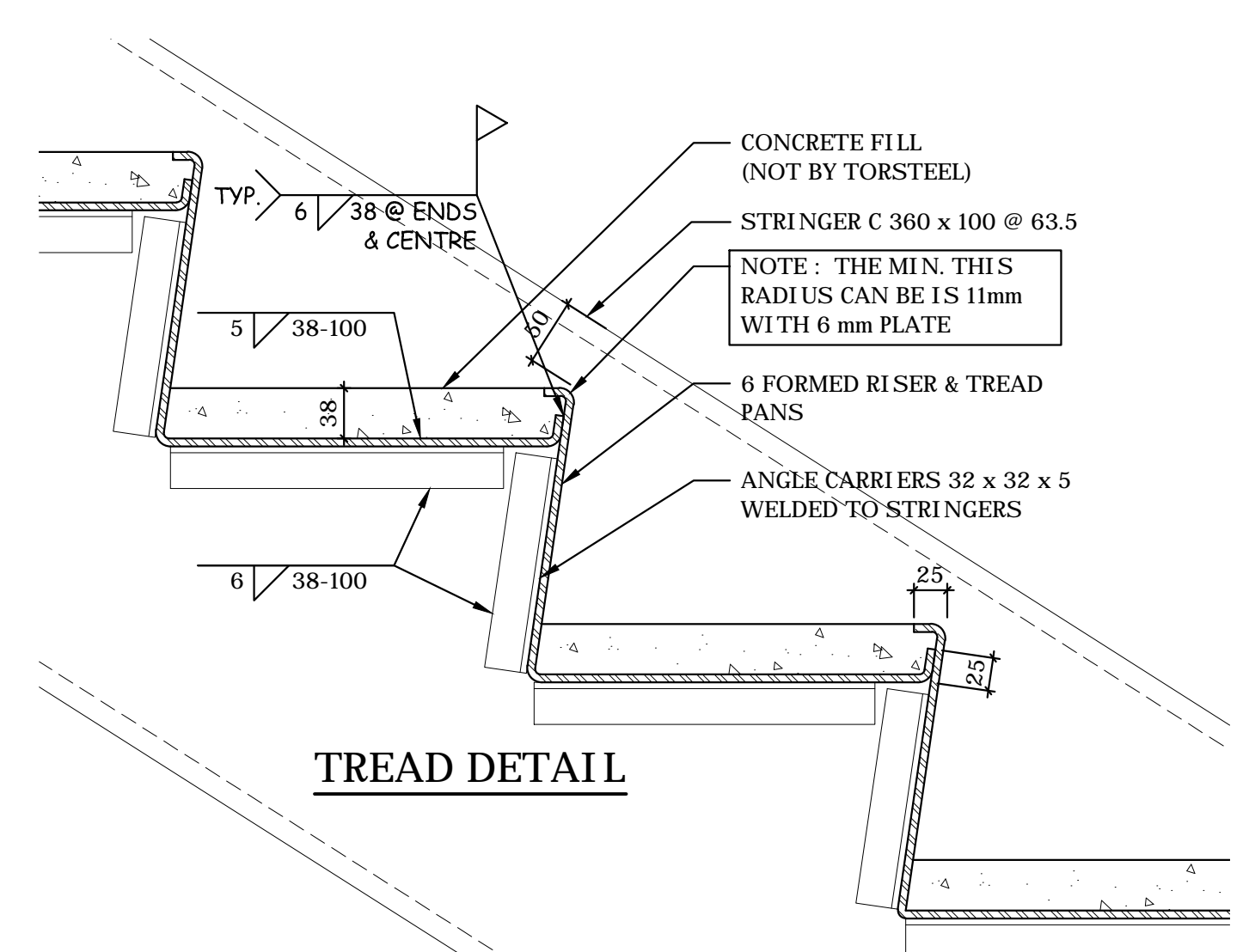
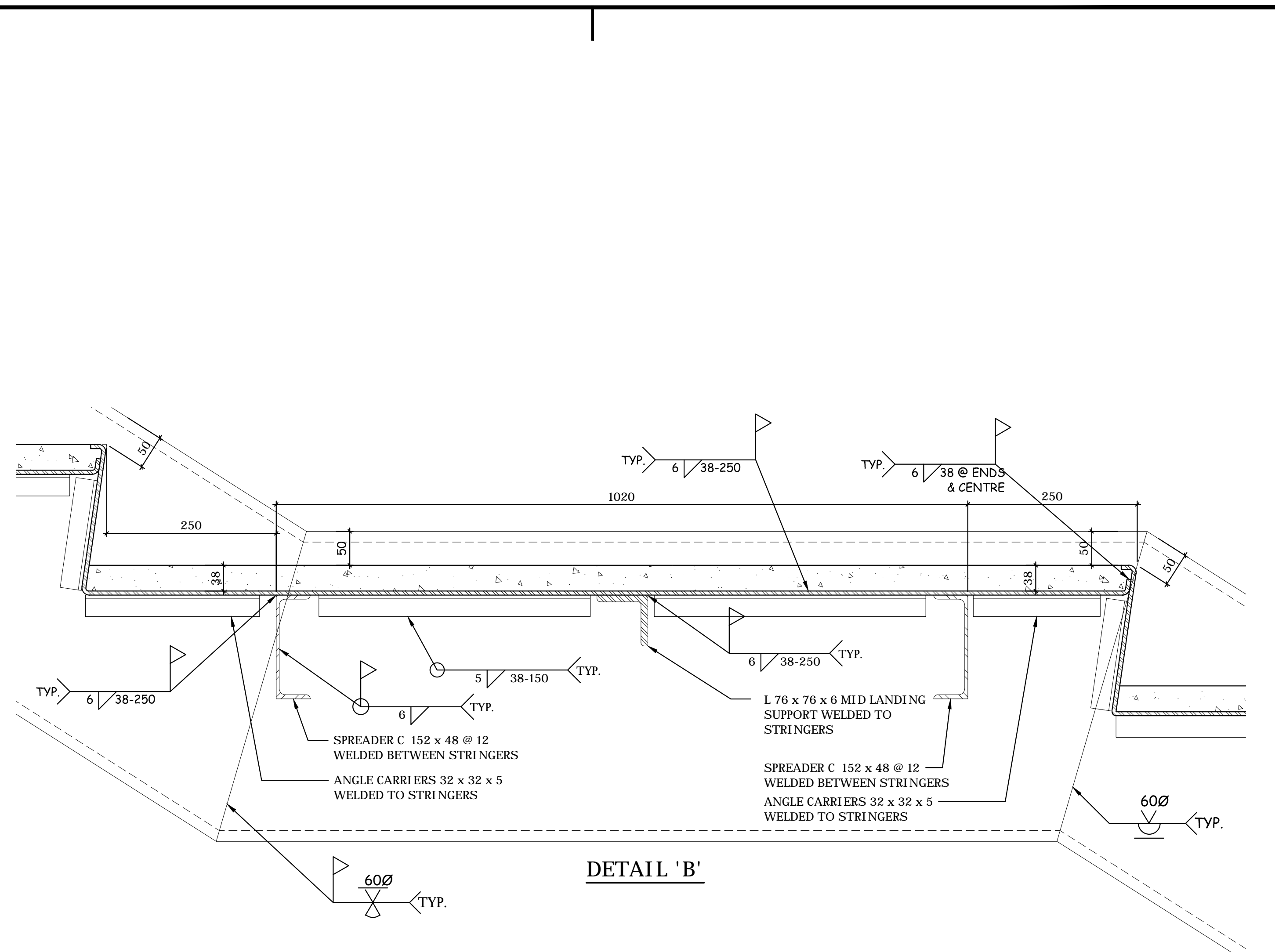
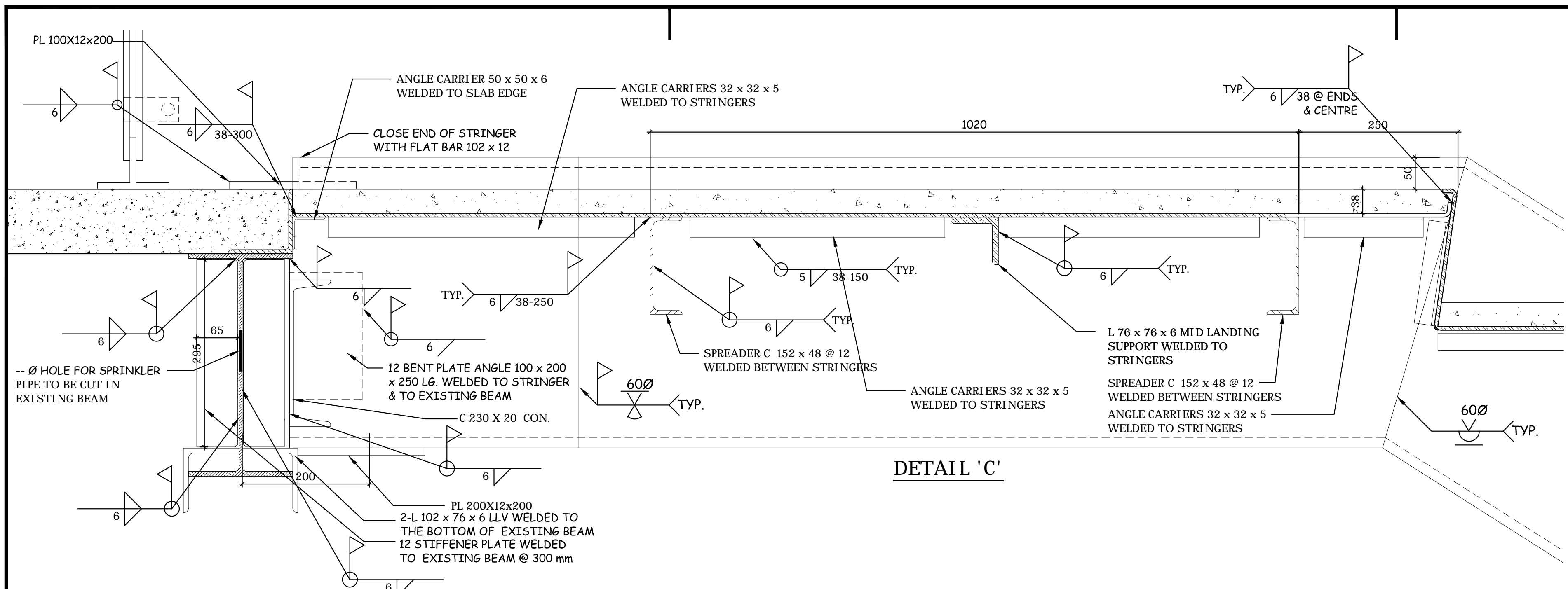
TYPICAL PIPE RAILING SPLICE DETAILS

SCALE = 1:5

DRAWING REFERENCE : PDF-A3.01

SECTION : ITEM :

SH		NOTE :		<p>TORSTEEL CO. LIMITED ARCHITECTURAL METAL FABRICATORS 12905 COLERAIN DRIVE CALEDON, ONTARIO L7E 3B5 TEL: (905) 857-8320 FAX: (905) 857-8328</p>	
EH		- ALL WELDS 6mm FILLET 7018 ELECTRODE UNLESS NOTED.			
22 April. 15	3	MODIFICATION ACCORDING NASSER COMMENTS		PROJECT	HUMBER STUDENT FEDERATION PLAZA
30 Mar. 15	2	TO TERRAPROBE INSPECTORS REPORT		LOCATION	TORONTO, ONTARIO
				ARCHITECT ENGINEER	MontgomerySisam
				CUSTOMER	EASTERN CONSTRUCTION
				TITLE	NEW FEATURE STAIR ELEVATION & DETAILS
				DRAWN BY	AHB
				CHECKED BY	
				DATE	FEB. 2015
				SCALE	
				CONTRACT NO.	851
				DRAWING NO.	2A

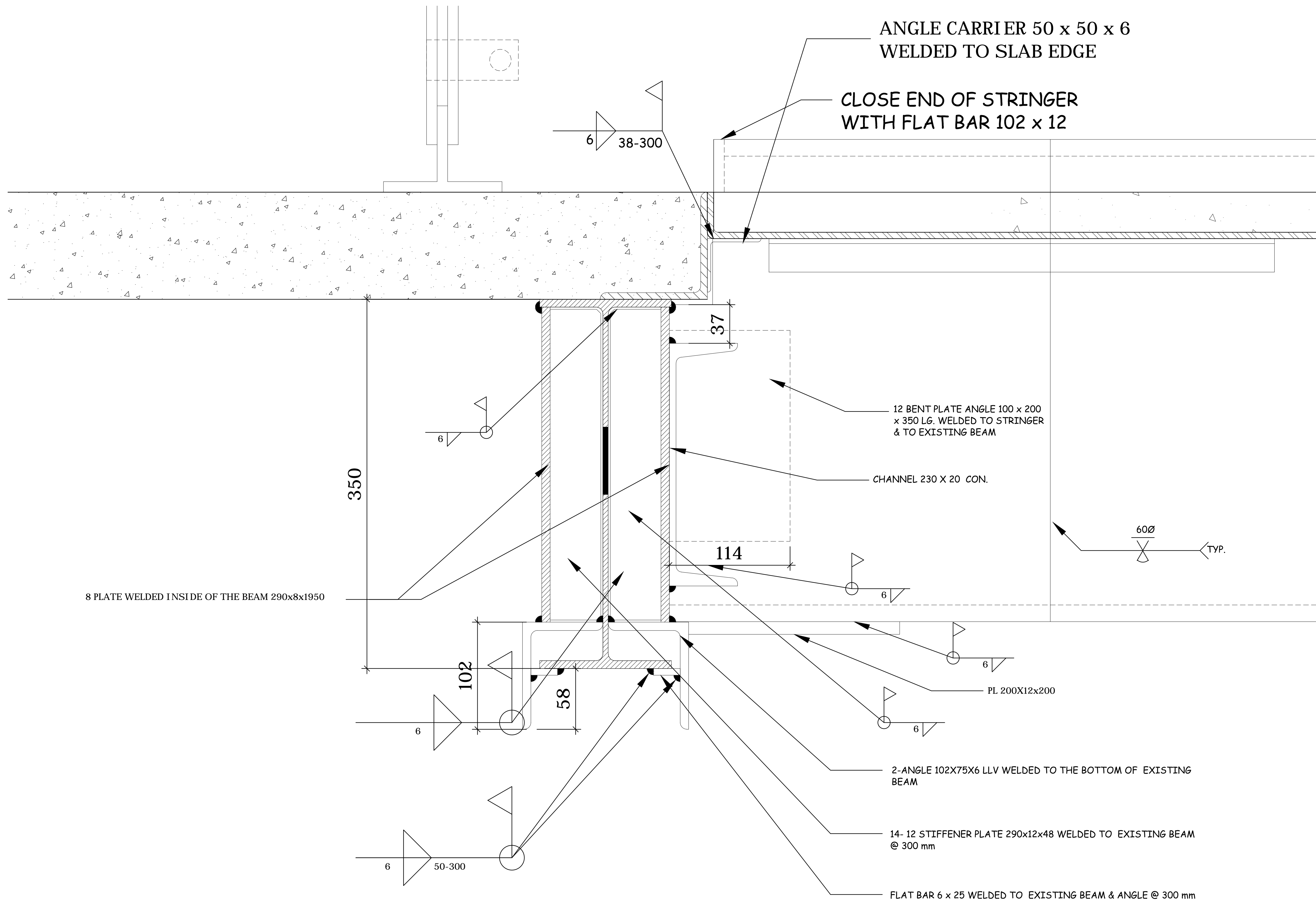


DRAWING REFERENCE : PDF-A3.01

SECTION : ITEM :

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MATERIAL	STEEL RAILING - STAINLESS STEEL	
FINISH	ONE COAT OF SHOP PRIMER AFTER FABRICATION	

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	PROJECT	HUMBER STUDENT FEDERATION PLAZA
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	2B	



ANGLE CARRIER 50 x 50 x 6
WELDED TO SLAB EDGE

CLOSE END OF STRINGER
WITH FLAT BAR 102 x 12

12 BENT PLATE ANGLE 100 x 200
x 350 LG. WELDED TO STRINGER
& TO EXISTING BEAM

CHANNEL 230 X 20 CON.

8 PLATE WELDED INSIDE OF THE BEAM 290x8x1950

PL 200X12x200

2-ANGLE 102X75X6 LLV WELDED TO THE BOTTOM OF EXISTING
BEAM

14- 12 STIFFENER PLATE 290x12x48 WELDED TO EXISTING BEAM
@ 300 mm

FLAT BAR 6 x 25 WELDED TO EXISTING BEAM & ANGLE @ 300 mm

DRAWING REFERENCE : PDF-A3.01

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DATE	FEB. 2015	SCALE					