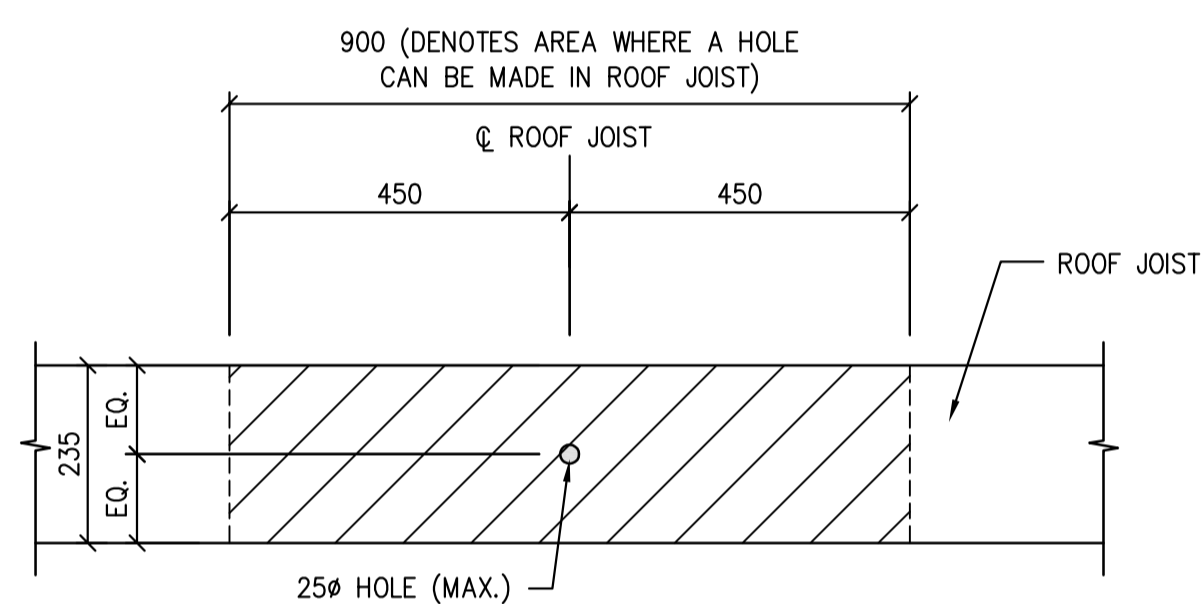


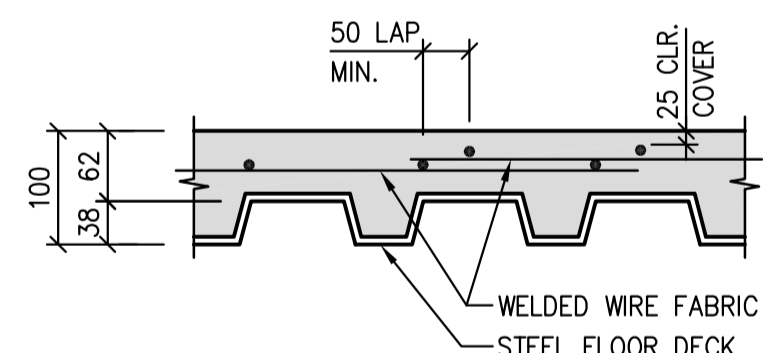
- NOTES:
1. SEE BASE PLATE DETAIL FOR, LOCATION AND DIAMETER OF ANCHOR BOLTS.
  2. THREADS TO BE EXCLUDED FROM SHEAR PLANE UNLESS APPROVED OTHERWISE BY BUILDING SUPPLIER.
  3. MINIMUM GRADE 260W STEEL TO BE USED IN THE FABRICATION OF ANCHOR BOLTS.

**A** TYP. ANCHOR BOLT DETAIL  
NTS

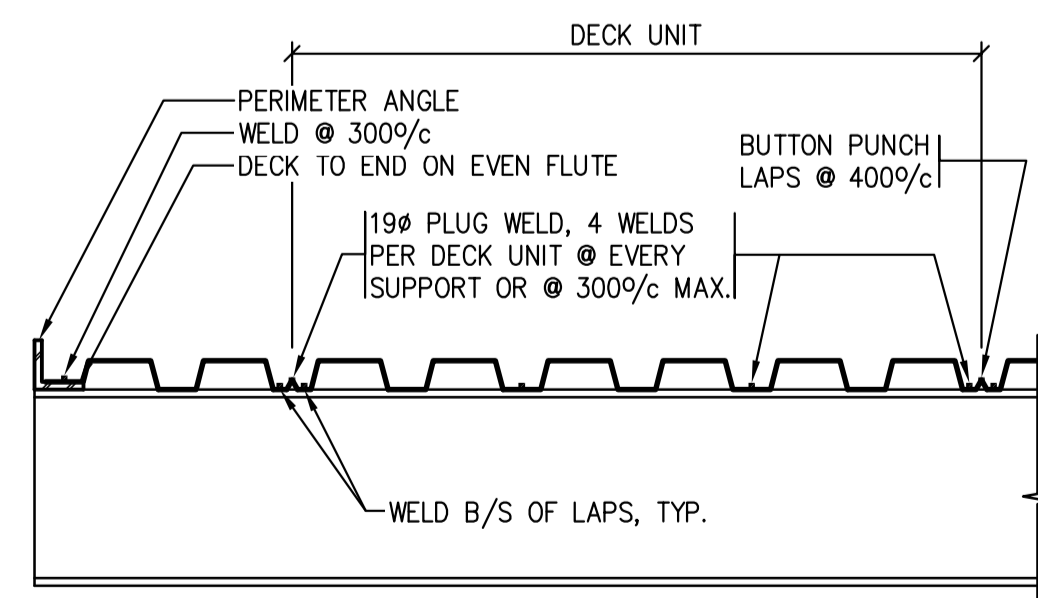


**B** TYP. DETAIL FOR UTILITY HOLES THROUGH ROOF JOISTS  
NTS

TYPICAL CONCRETE SLAB-ON-DECK  
TOP OF CONCRETE SLAB @ ELEV. 100 000 U.N.O.  
100 CONCRETE SLAB-ON-DECK  
38mm x 0.76mm HI-BOND STEEL FLOOR DECK  
DECK OVER CRAWL SPACES TO Z275 STANDARD  
ALL OTHER AREAS TO BE ZF075 STANDARD  
(ZINC WIPE COAT GALVANIZED) U.N.O.  
REINF. CONC. WITH 152x152xMW25.8xMW25.8WWF



**C** 100 CONC. SLAB ON DECK  
DETAIL  
NTS



ALL WELDS TO BE 19# PLUG WELDS, TOUCH UP GALVANIZING

**D** TYP. FLOOR DECK WELDING DETAILS  
NTS



**STRUCTURAL ENGINEERS**  
BROWNLEE BEATON KREKE  
3611 PASQUA STREET • REGINA • SK • S4S 6W8  
TEL: (306) 584-8833 • EMAIL: bbkregina@bbkeng.ca



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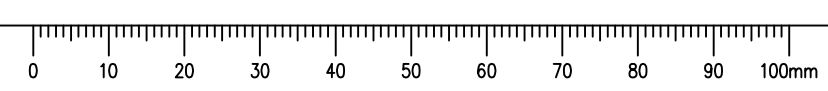
Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

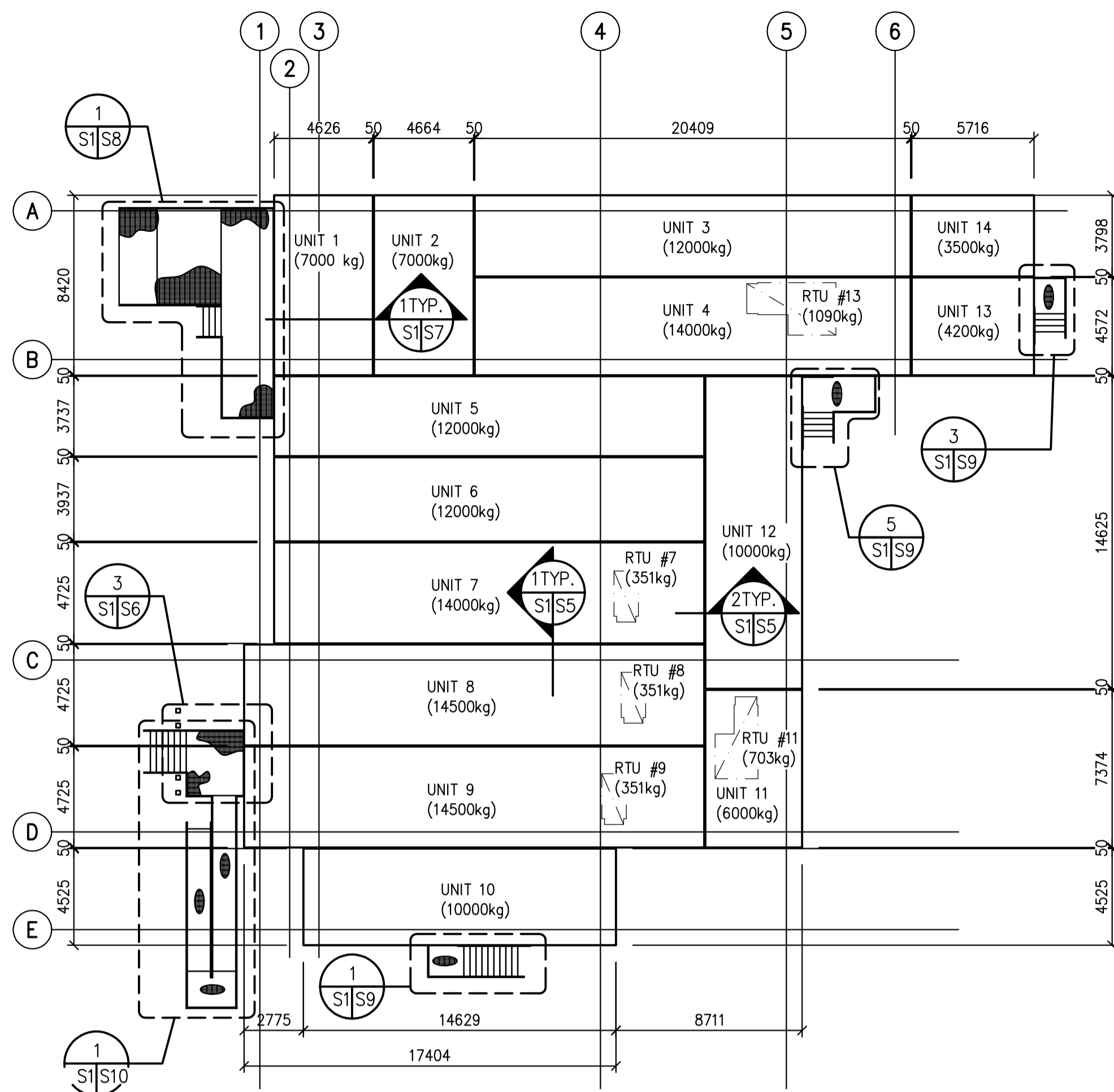
Project title/Titre du projet  
**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par  
Designed by/Concept par  
Drawn by/Dessine par  
Project Manager/Administrateur de Projets  
Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'Ingénierie  
Client/client

Drawing title/Titre du dessin  
**TYPICAL DETAILS**

Project No./No. du projet <b>S-03-2014</b>	Sheet/Fauille <b>S0</b>	Revision no./La Révision no.
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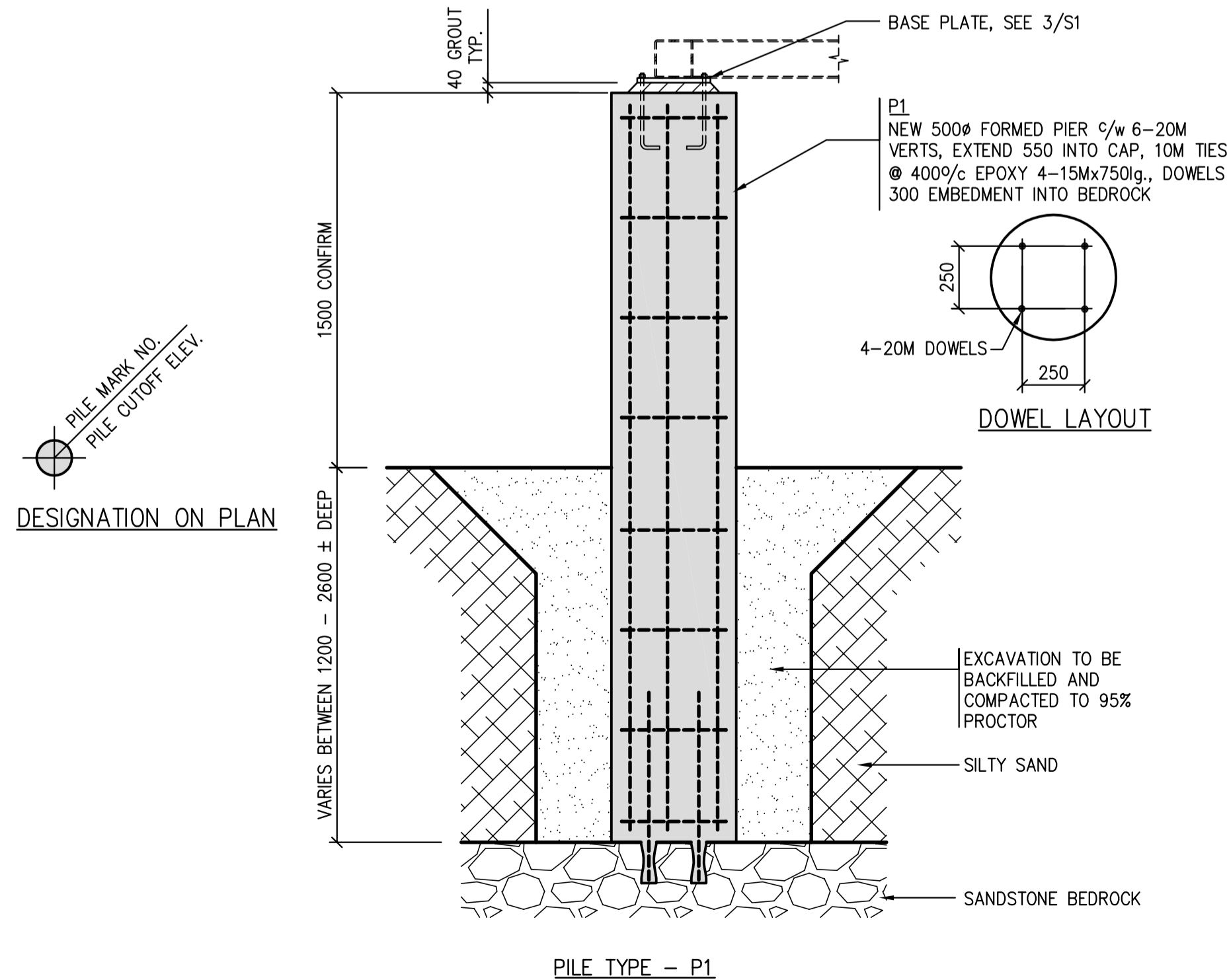




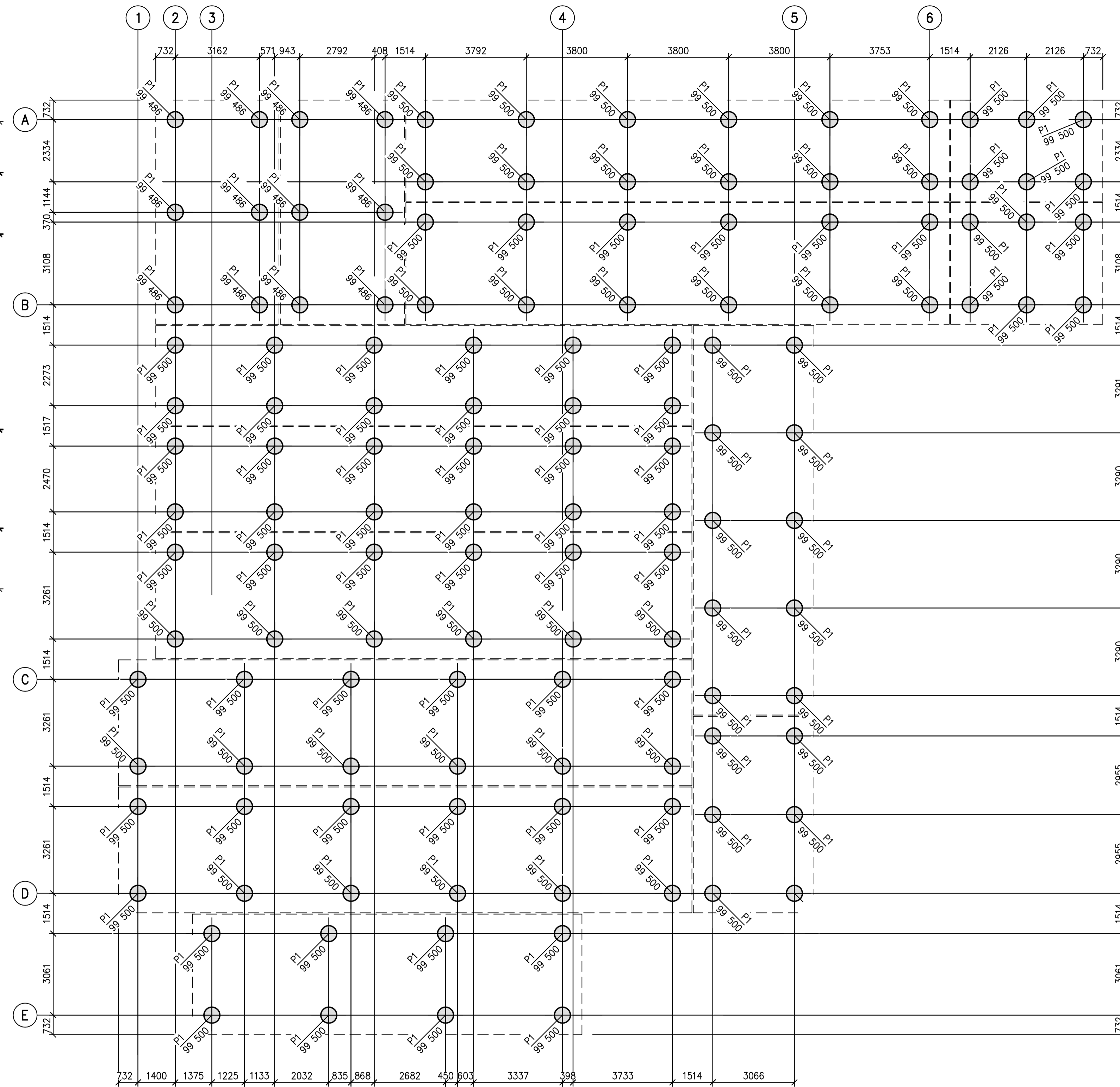
**KEY PLAN**  
1:200

**NOTES:**

1. SHIPPING WEIGHTS INDICATED REPRESENTS STRUCTURAL COMPONENTS INDICATED. THE PARTITION WALLS, FINISHES, EQUIPMENT, ETC. ARE IN ADDITION TO LOADS SHOWN.
2. ALL OVERALL DIMENSIONS TO FACE OF SHEATHING UNLESS NOTED OTHERWISE.



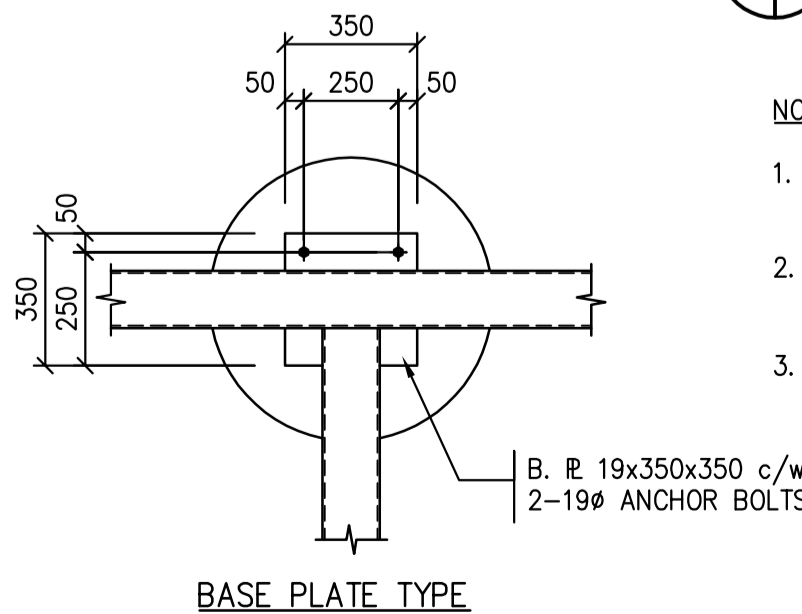
**FOUNDATION DETAIL - TYP.**  
1:20



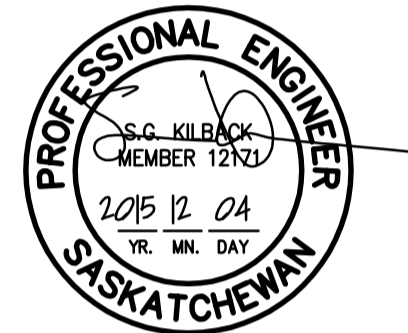
**FOUNDATION LAYOUT PLAN**  
1:100

**NOTES:**

1. FOOTINGS TO BE CONSTRUCTED USING 500Ø SONOTUBE FORMS. EXCAVATE SOIL AS REQUIRED TO INSTALL FORMS.
2. REMOVE CARDBOARD FORMS FOLLOWING CONCRETE PLACEMENT PRIOR TO BACKFILLING. NO FORMWORK TO REMAIN IN CRAWLSPACE.
3. DOWEL FOOTINGS TO BEDROCK AS INDICATED IN DETAIL 2/S1 UNO.



**BASE PLATE DETAILS**  
NTS



Revision/Revision	Description/Description	Date/Date
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**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

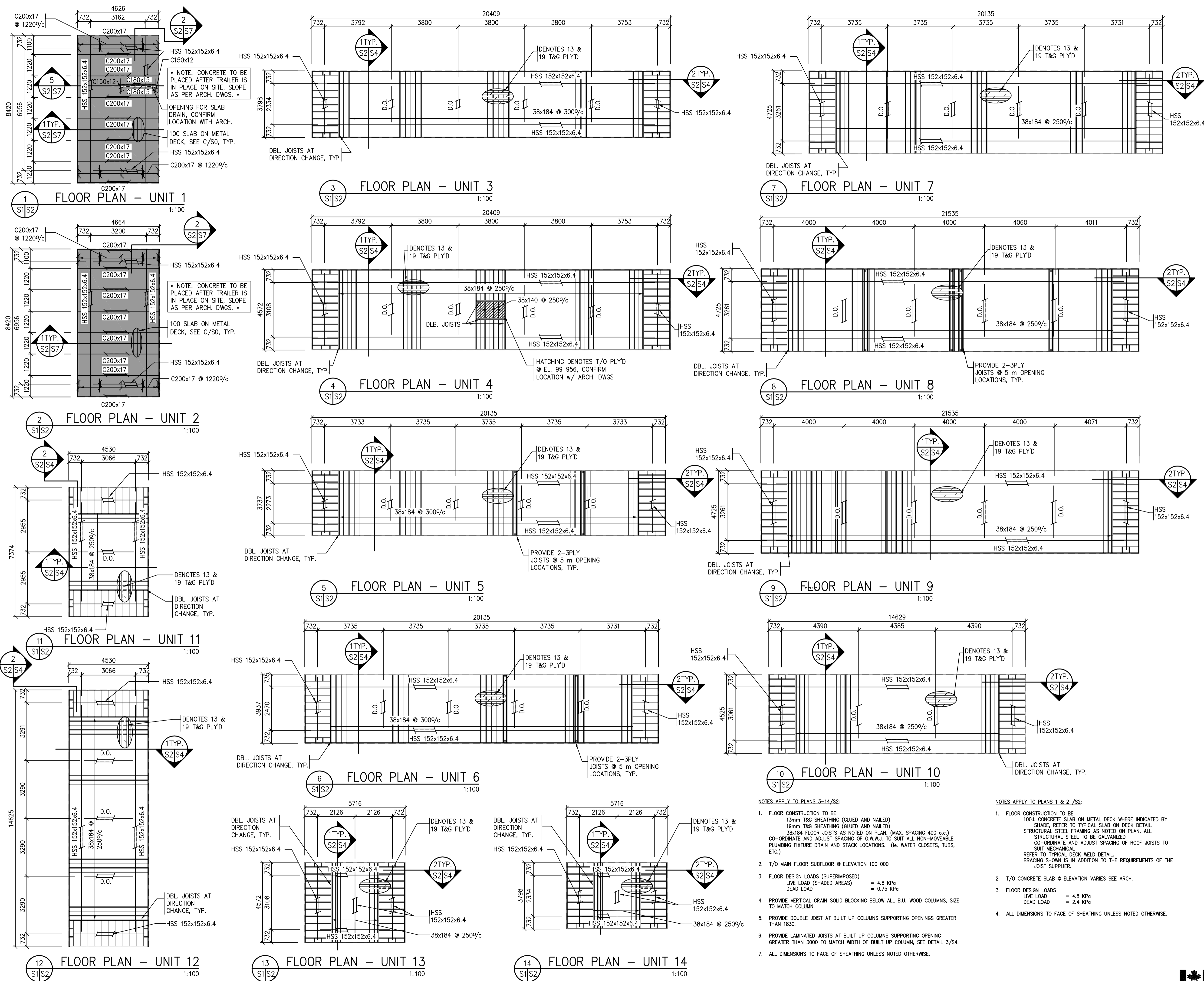
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Drawing title/Titre du dessin  
**KEY PLAN  
PILE PLAN**

Project No./No. du projet  
**S-03-2014**  
Sheet/Fauille  
**S1**  
Revision no./La Révision no.





\* NOTE: CONCRETE TO BE PLACED AFTER TRAILER IS IN PLACE ON SITE, SLOPE AS PER ARCH. DWGS. \*

OPENING FOR SLAB DRAIN, CONFIRM LOCATION WITH ARCH.

100 SLAB ON METAL DECK, SEE C/S0, TYP.

\* NOTE: CONCRETE TO BE PLACED AFTER TRAILER IS IN PLACE ON SITE, SLOPE AS PER ARCH. DWGS. \*

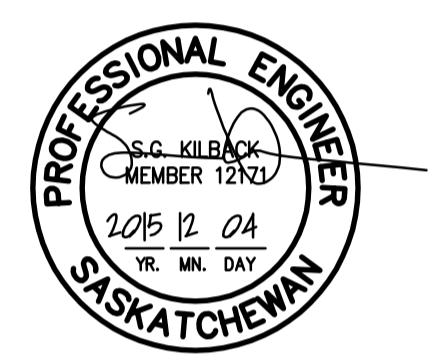
100 SLAB ON METAL DECK, SEE C/S0, TYP.

NOTES APPLY TO PLANS 3-14/S2:

- FLOOR CONSTRUCTION TO BE:  
13mm T&G SHEATHING (GLUED AND NAILED)  
19mm T&G SHEATHING (GLUED AND NAILED)  
38x184 FLOOR JOISTS AS NOTED ON PLAN. (MAX. SPACING 400 o.c.)  
CO-ORDINATE AND ADJUST SPACING OF O.W.W.J. TO SUIT ALL NON-MOVEABLE PLUMBING FIXTURE DRAIN AND STACK LOCATIONS. (ie. WATER CLOSETS, TUBS, ETC.)
- T/O MAIN FLOOR SUBFLOOR @ ELEVATION 100 000
- FLOOR DESIGN LOADS (SUPERIMPOSED)  
LIVE LOAD (SHADED AREAS) = 4.8 KPa  
DEAD LOAD = 0.75 KPa
- PROVIDE VERTICAL GRAIN SOLID BLOCKING BELOW ALL B.U. WOOD COLUMNS, SIZE TO MATCH COLUMN.
- PROVIDE DOUBLE JOIST AT BUILT UP COLUMNS SUPPORTING OPENINGS GREATER THAN 1830.
- PROVIDE LAMINATED JOISTS AT BUILT UP COLUMNS SUPPORTING OPENING GREATER THAN 3000 TO MATCH WIDTH OF BUILT UP COLUMN, SEE DETAIL 3/S4.
- ALL DIMENSIONS TO FACE OF SHEATHING UNLESS NOTED OTHERWISE.

NOTES APPLY TO PLANS 1 & 2 /S2:

- FLOOR CONSTRUCTION TO BE:  
100± CONCRETE SLAB ON METAL DECK WHERE INDICATED BY SHADE, REFER TO TYPICAL SLAB ON DECK DETAIL  
STRUCTURAL STEEL FRAMING AS NOTED ON PLAN, ALL STRUCTURAL STEEL TO BE GALVANIZED  
CO-ORDINATE AND ADJUST SPACING OF ROOF JOISTS TO SUIT MECHANICAL  
REFER TO TYPICAL DECK WELD DETAIL  
BRACING SHOWN IS IN ADDITION TO THE REQUIREMENTS OF THE JOIST SUPPLIER.
- T/O CONCRETE SLAB @ ELEVATION VARIES SEE ARCH.
- FLOOR DESIGN LOADS  
LIVE LOAD = 4.8 KPa  
DEAD LOAD = 2.4 KPa
- ALL DIMENSIONS TO FACE OF SHEATHING UNLESS NOTED OTHERWISE.



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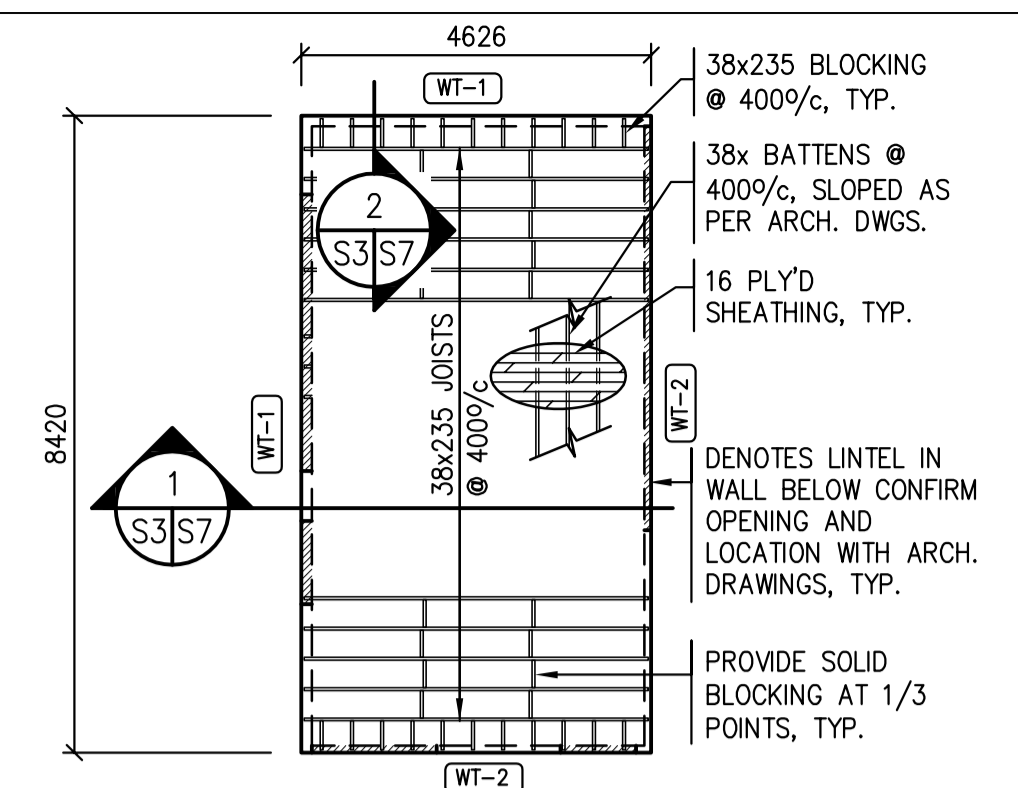
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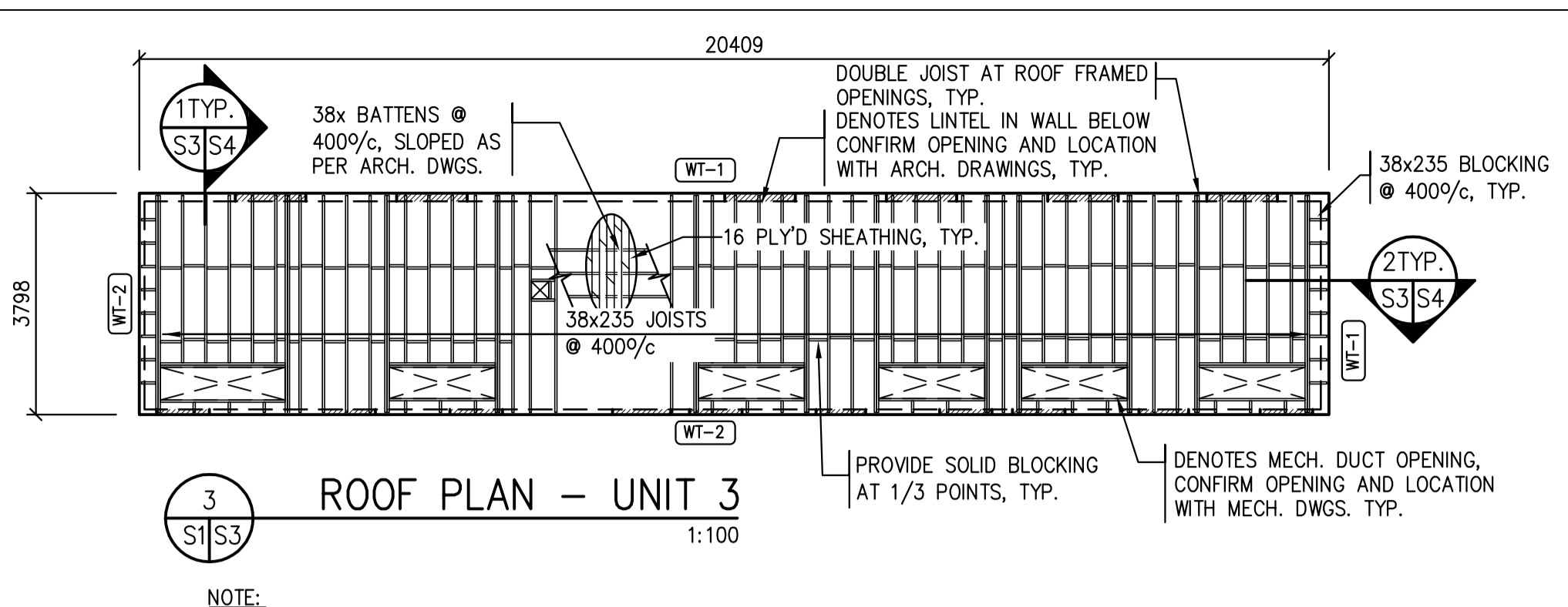
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**FLOOR PLANS**

Project No./No. du projet: S-03-2014  
Sheet/Fauille: S2  
Revision no./La Révision no.: 1

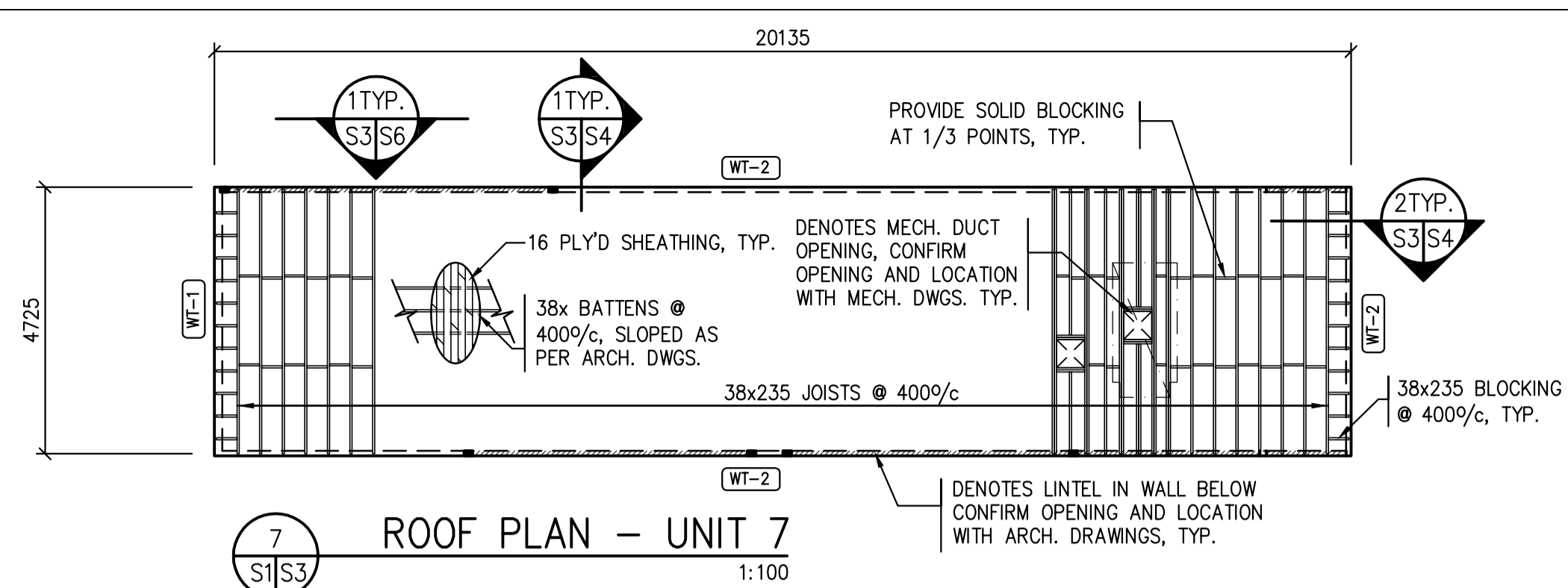




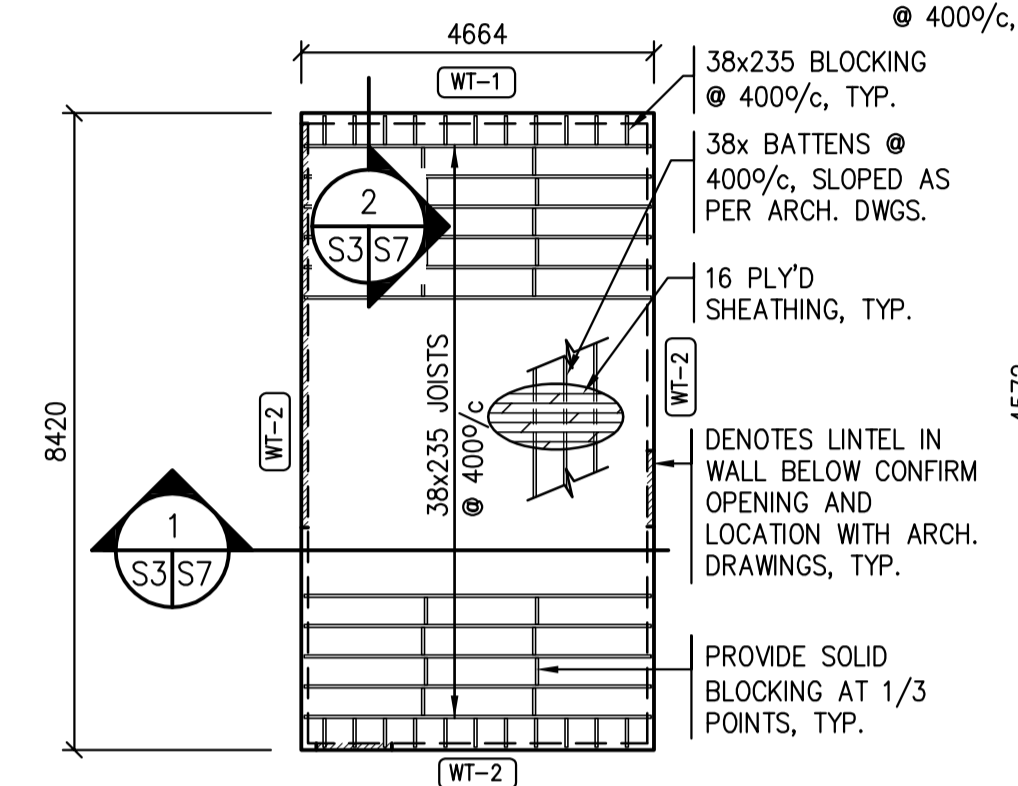
1 ROOF PLAN - UNIT 1  
1:100



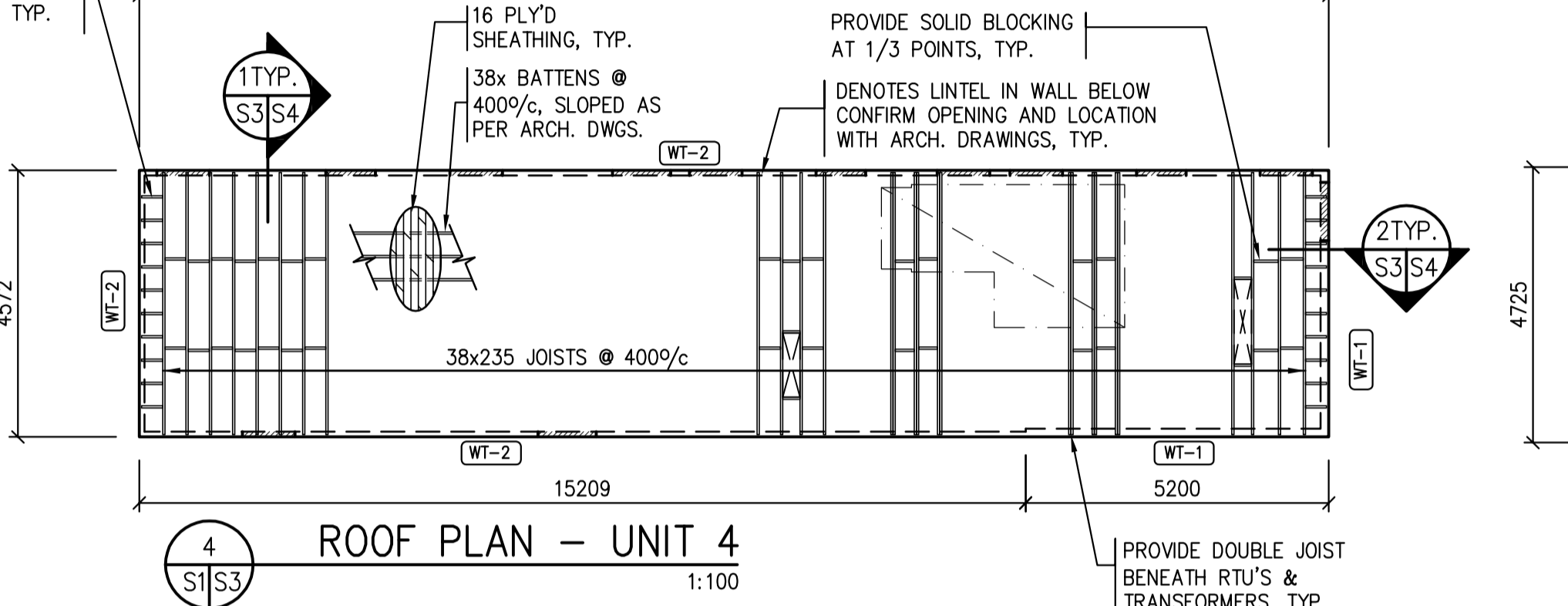
3 ROOF PLAN - UNIT 3  
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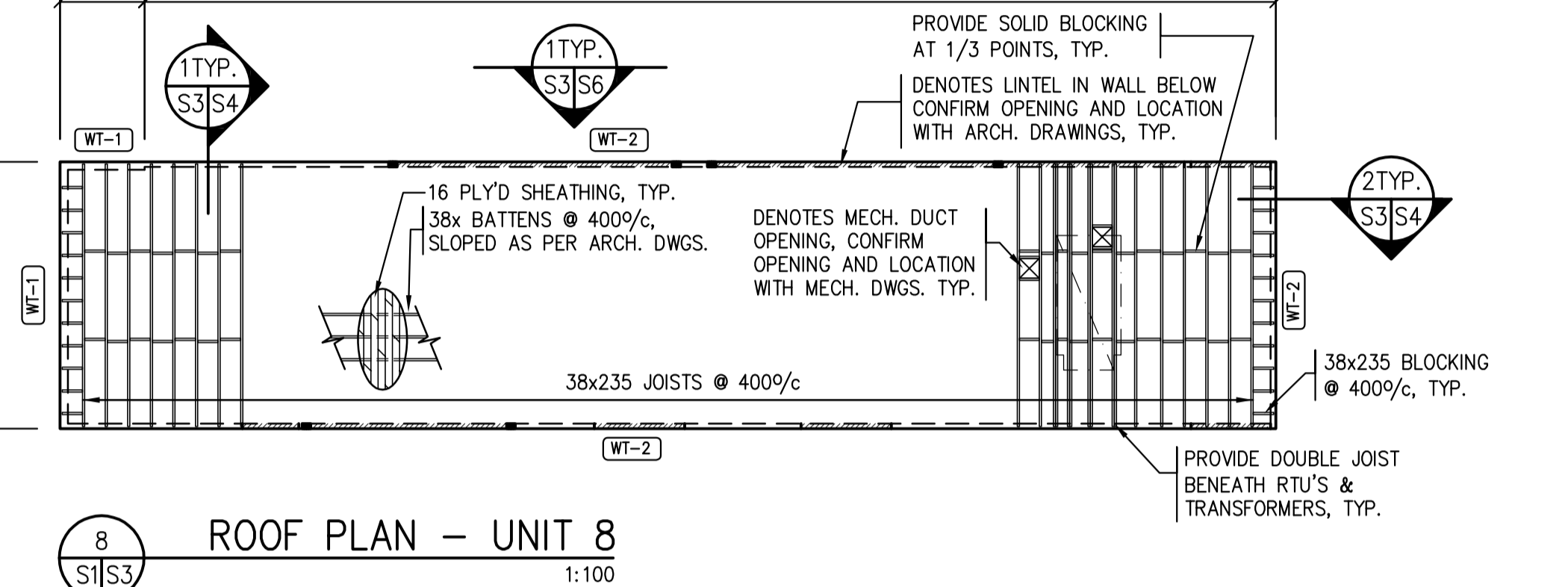
7 ROOF PLAN - UNIT 7  
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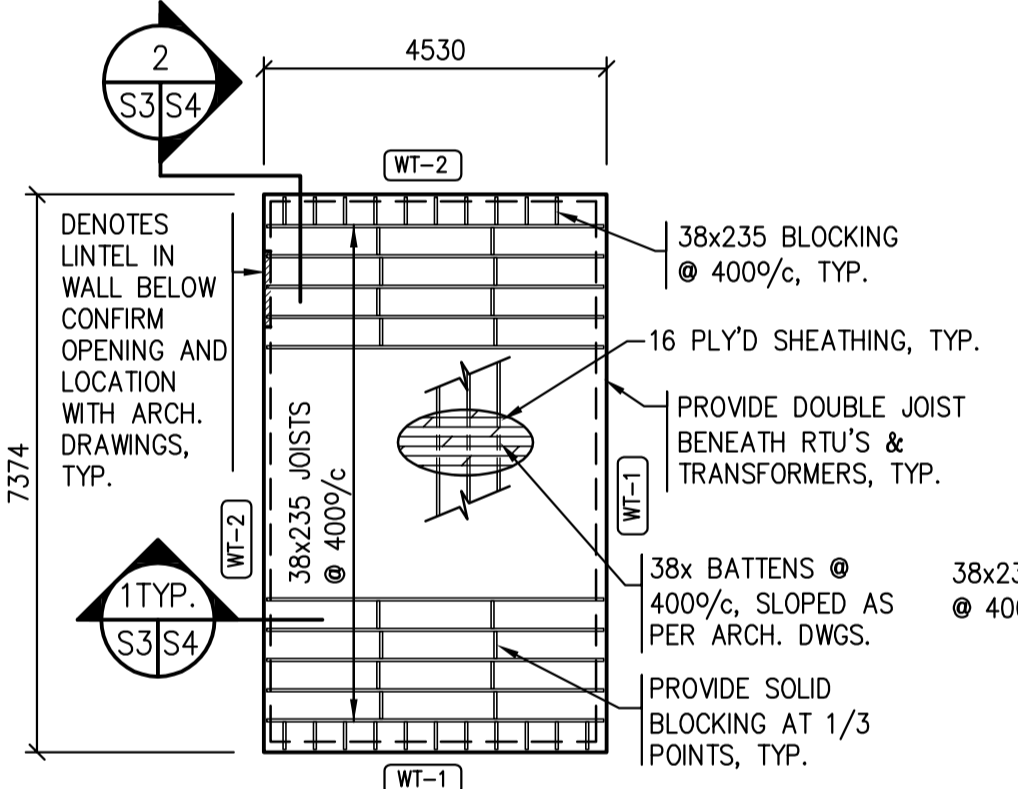
2 ROOF PLAN - UNIT 2  
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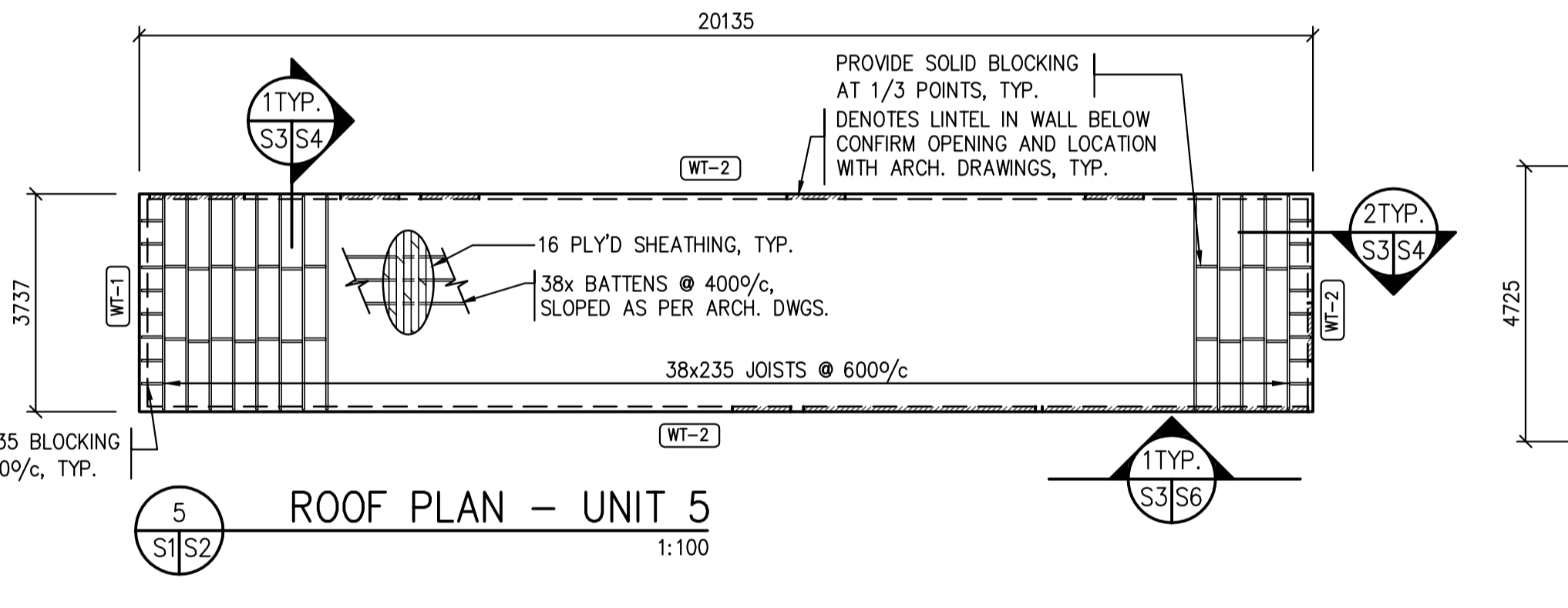
4 ROOF PLAN - UNIT 4  
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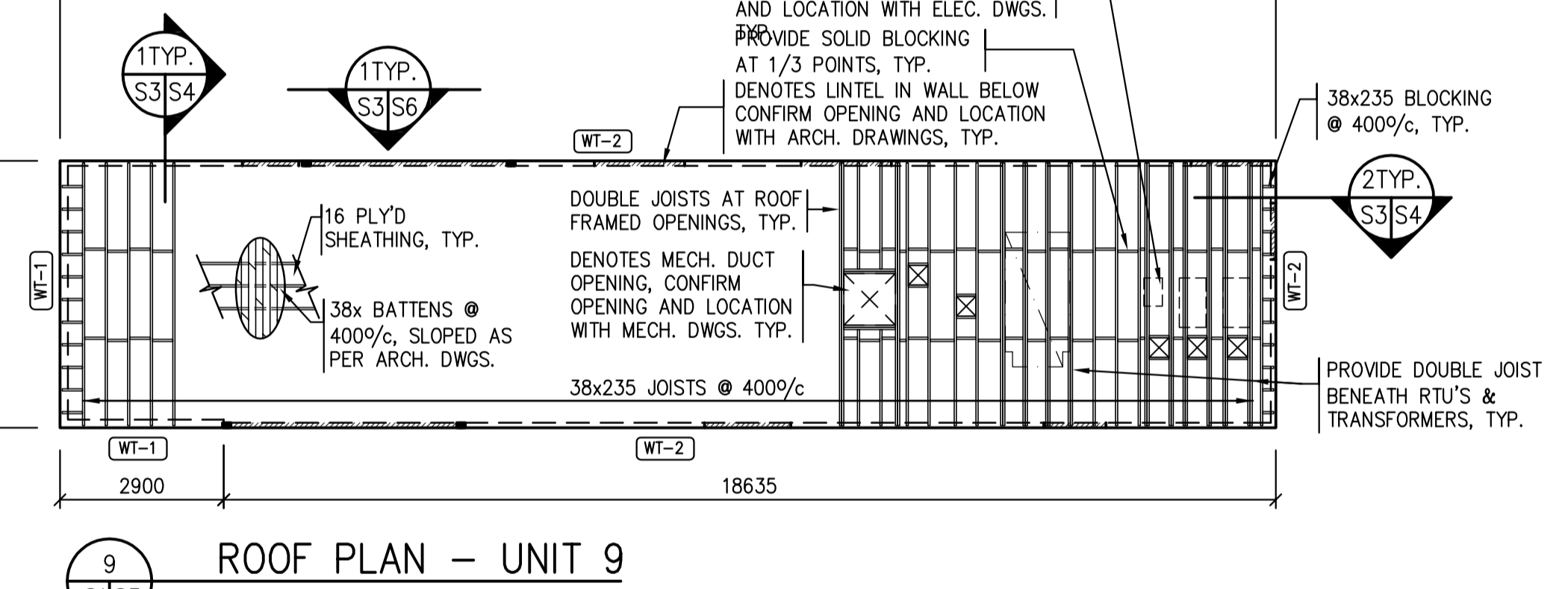
8 ROOF PLAN - UNIT 8  
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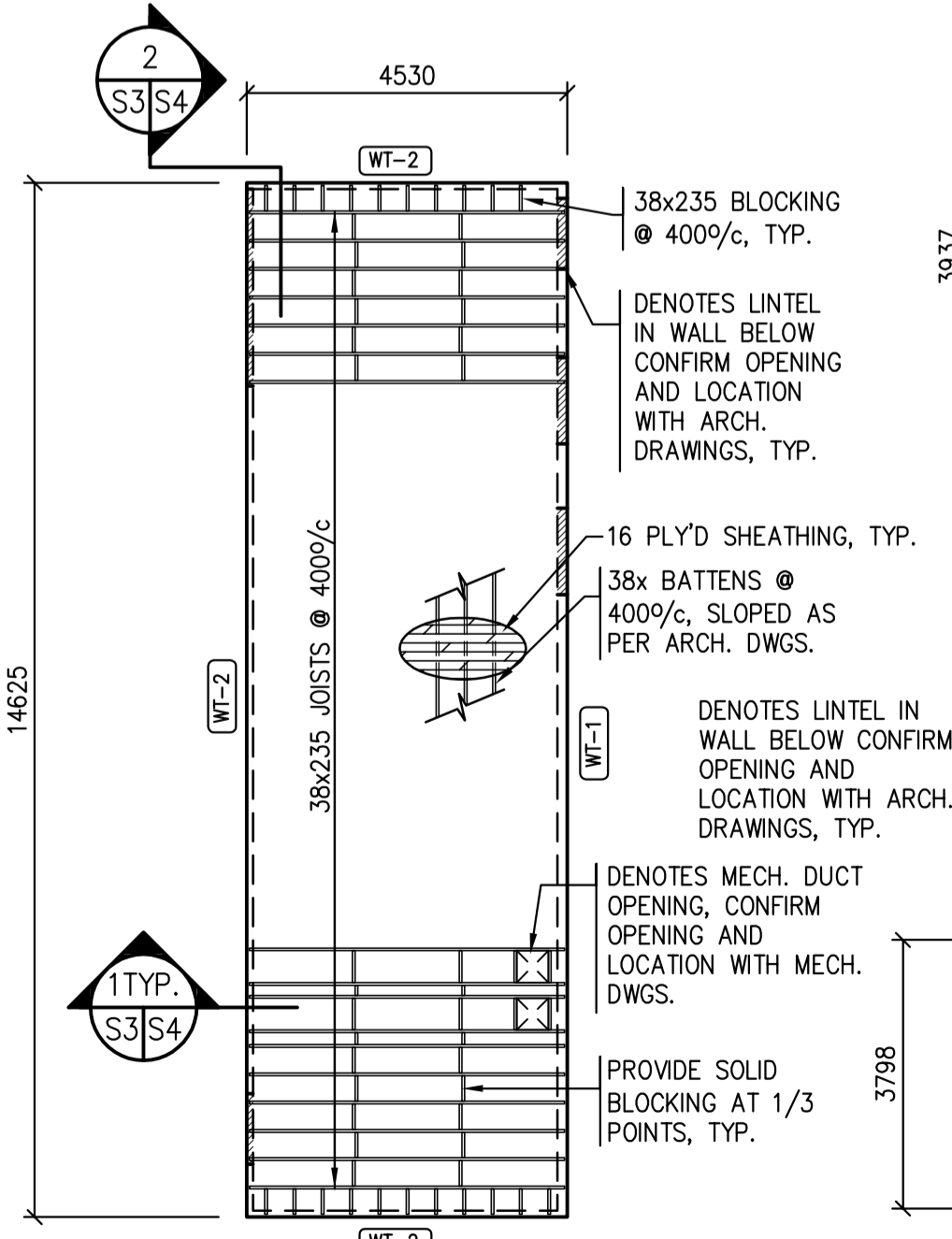
11 ROOF PLAN - UNIT 11  
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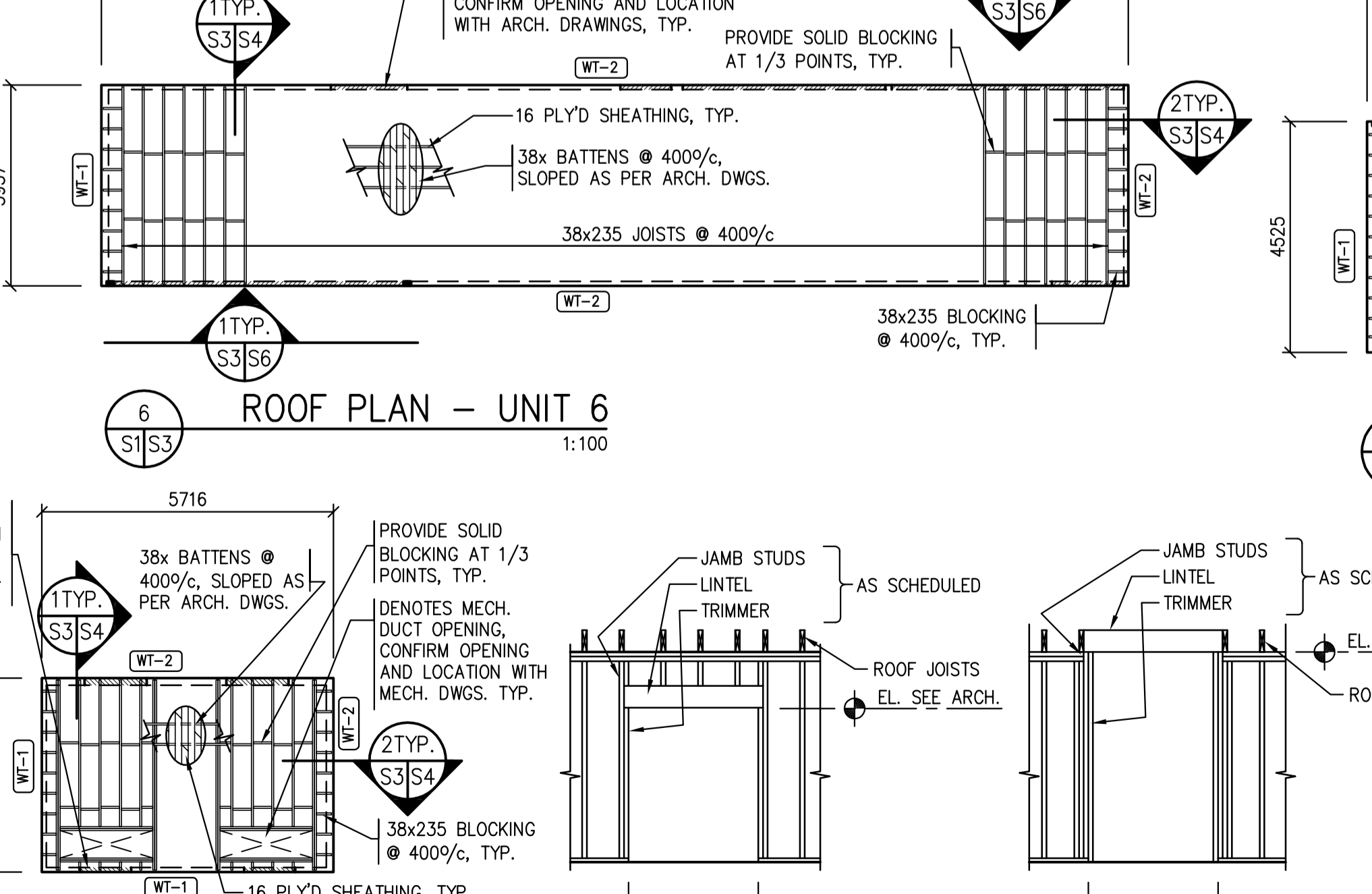
5 ROOF PLAN - UNIT 5  
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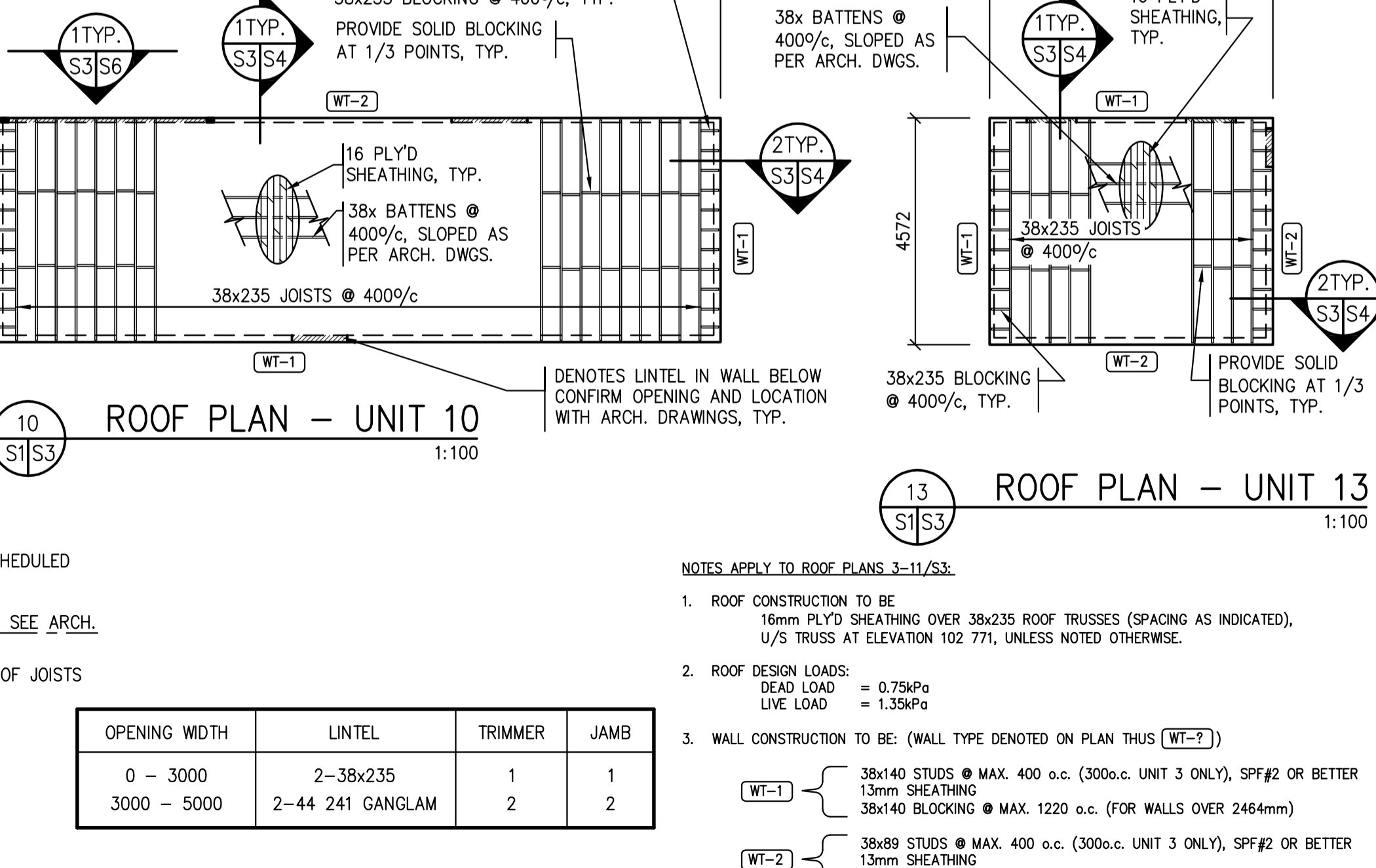
9 ROOF PLAN - UNIT 9  
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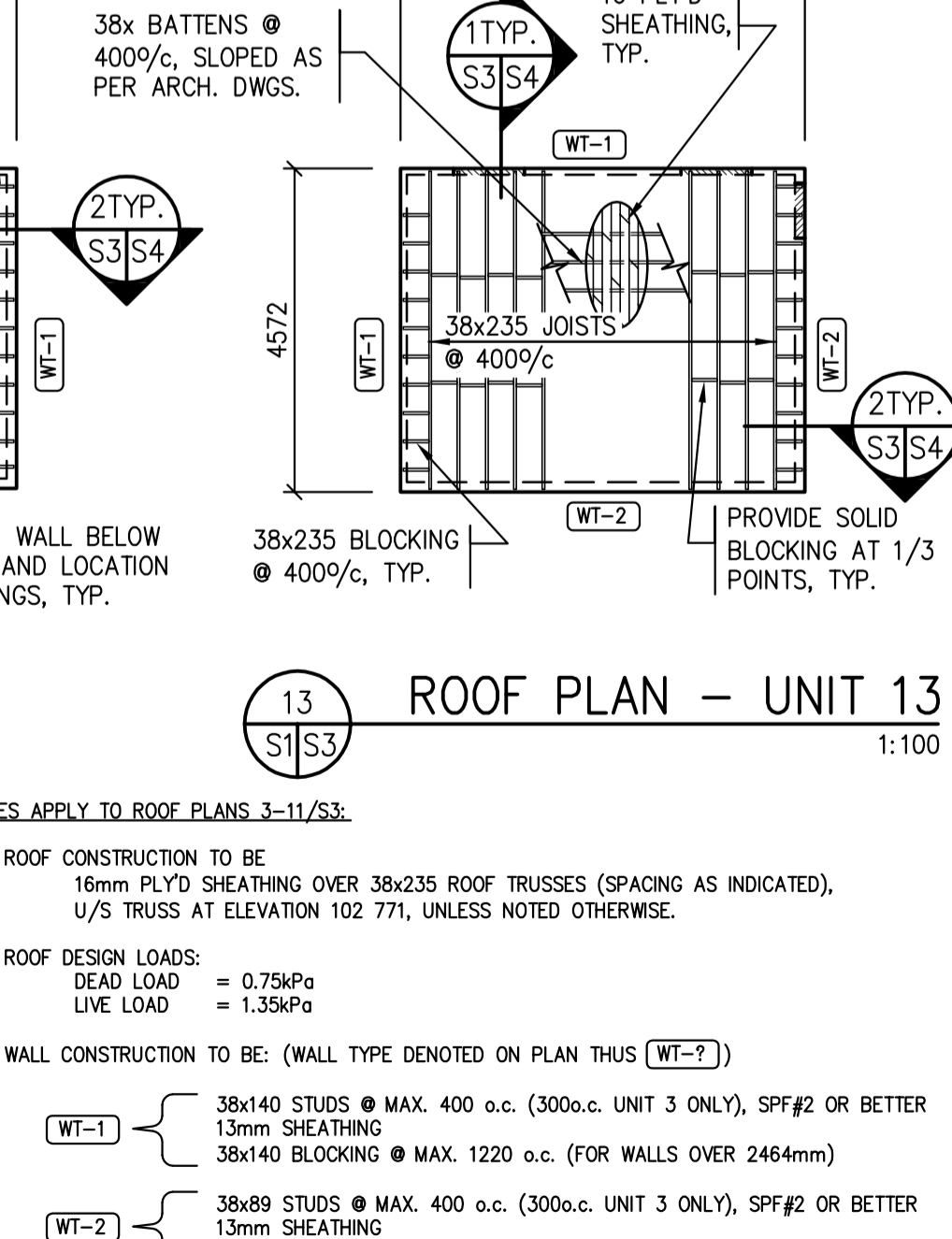
12 ROOF PLAN - UNIT 12  
1:100



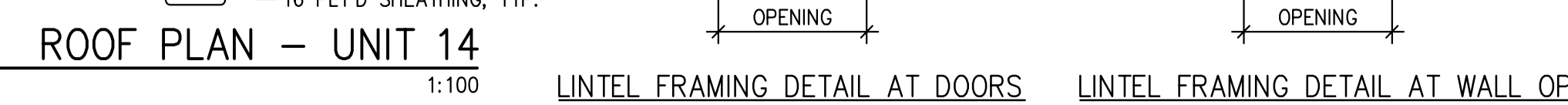
6 ROOF PLAN - UNIT 6  
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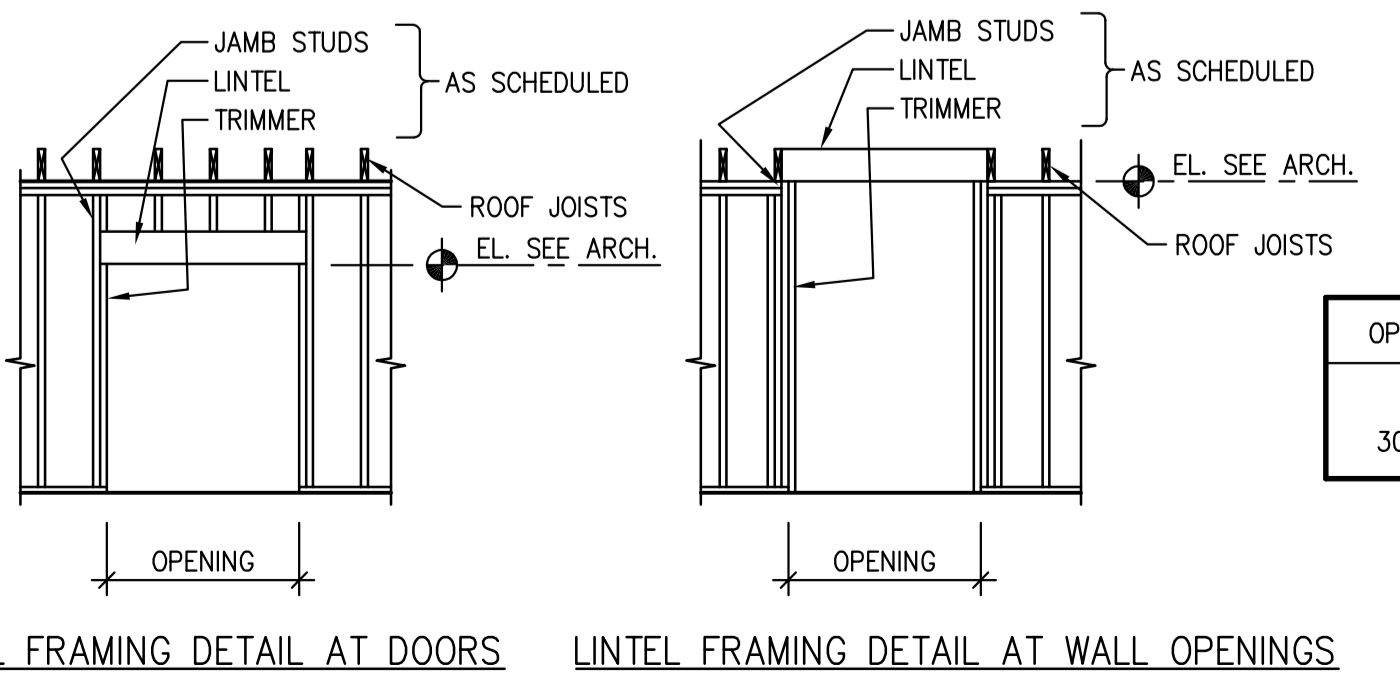
10 ROOF PLAN - UNIT 10  
1:100



13 ROOF PLAN - UNIT 13  
1:100



14 ROOF PLAN - UNIT 14  
1:100

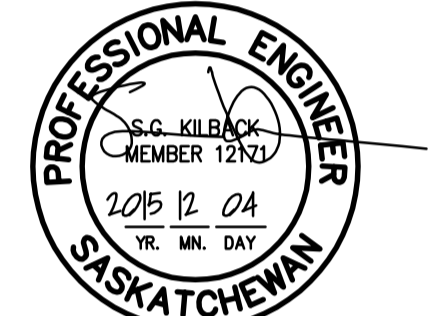


WOOD LINTEL SCHEDULE

OPENING WIDTH	LINTEL	TRIMMER	JAMB
0 - 3000	2-38x235	1	1
3000 - 5000	2-44 241 GANGLAM	2	2

NTS

- NOTES APPLY TO ROOF PLANS 3-11/S3:
- ROOF CONSTRUCTION TO BE 16mm PLYD SHEATHING OVER 38x235 ROOF TRUSSES (SPACING AS INDICATED), U/S TRUSS AT ELEVATION 102 771, UNLESS NOTED OTHERWISE.
  - ROOF DESIGN LOADS: DEAD LOAD = 0.75kPa, LIVE LOAD = 1.35kPa
  - WALL CONSTRUCTION TO BE: (WALL TYPE DENOTED ON PLAN THUS WT-1)
    - WT-1: 38x140 STUDS @ MAX. 400 o.c. (300o.c. UNIT 3 ONLY), SPF#2 OR BETTER 13mm SHEATHING 38x140 BLOCKING @ MAX. 1220 o.c. (FOR WALLS OVER 2464mm)
    - WT-2: 38x89 STUDS @ MAX. 400 o.c. (300o.c. UNIT 3 ONLY), SPF#2 OR BETTER 13mm SHEATHING 38x140 BLOCKING @ MAX. 1220 o.c. (FOR WALLS OVER 2464mm)
  - ALL DIMENSIONS TO FACE OF SHEATHING UNLESS NOTED OTHERWISE.



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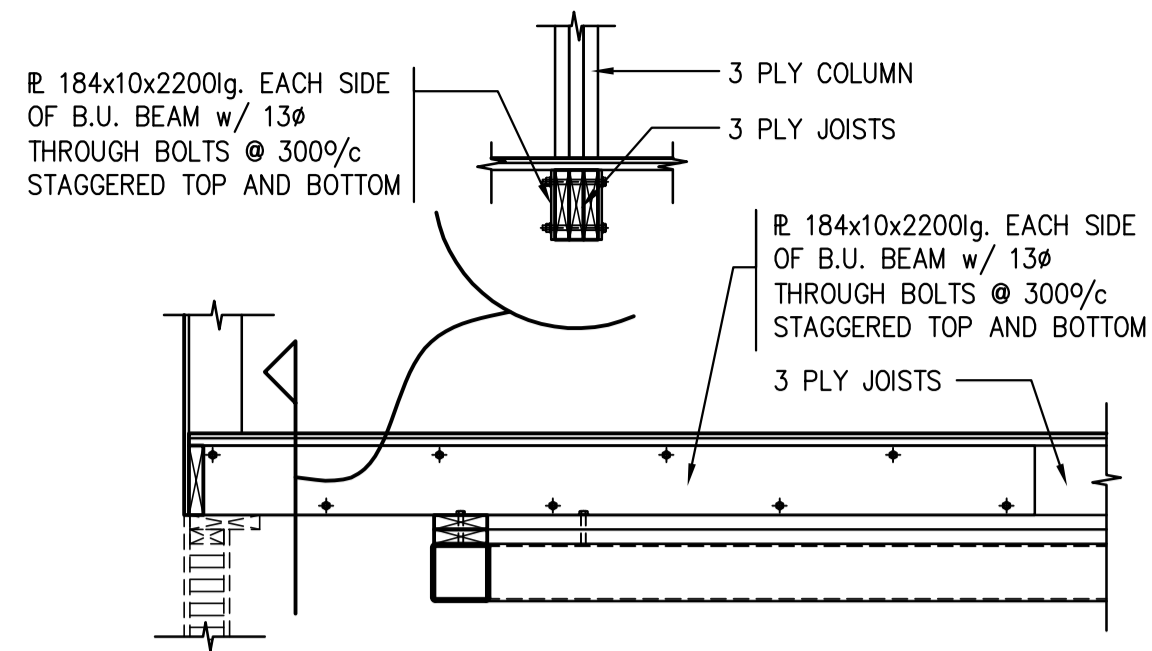
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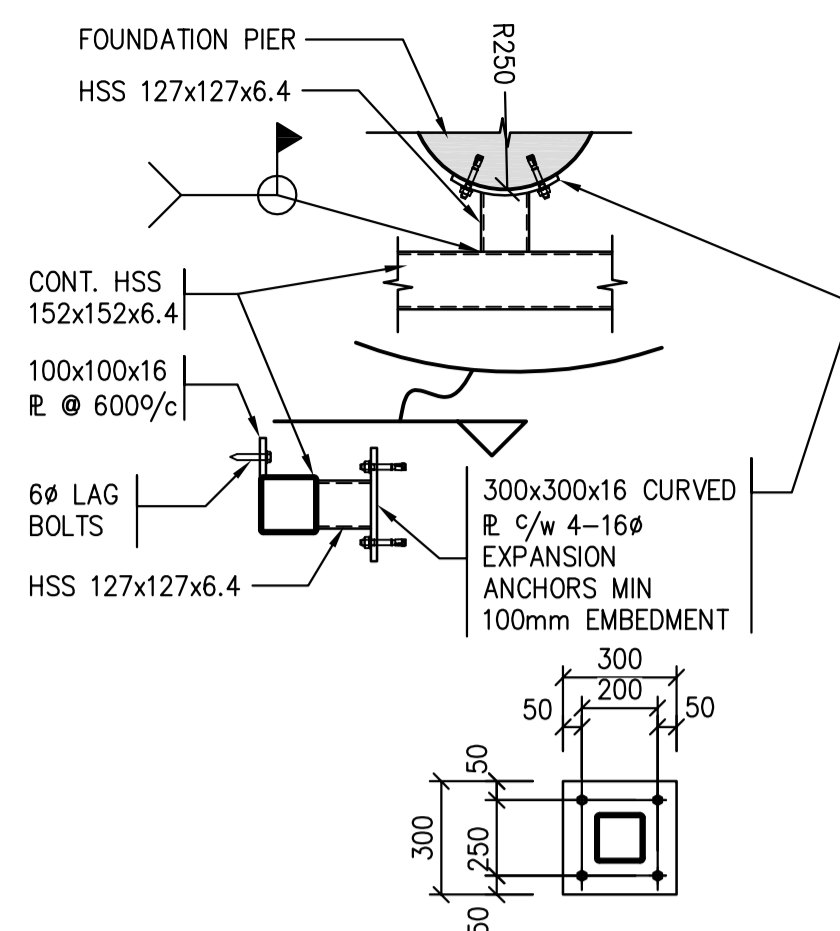
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**ROOF PLANS**

Project No./No. du projet: S-03-2014  
 Sheet/Fauille: S3  
 Revision no./La Révision no.:

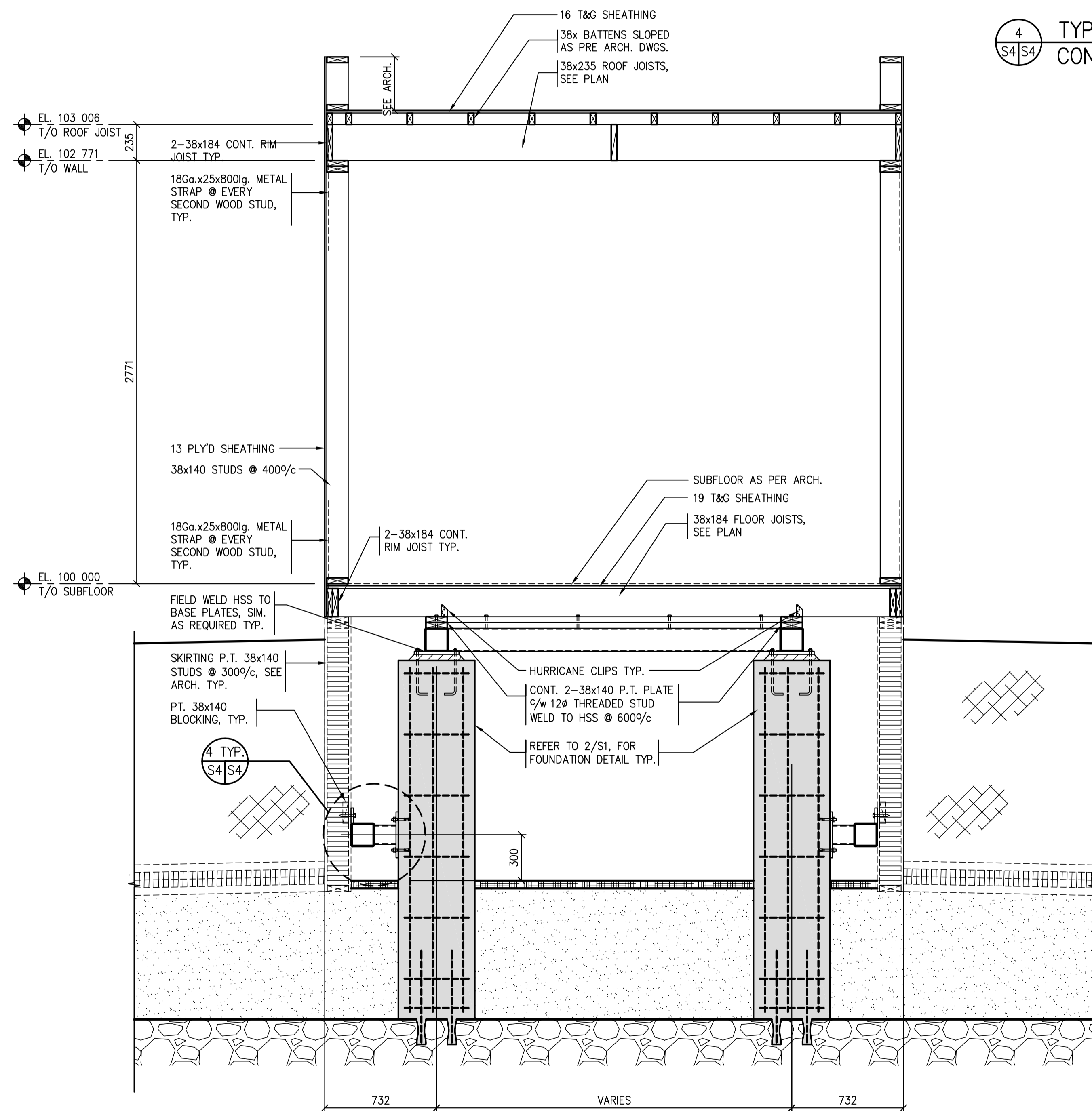




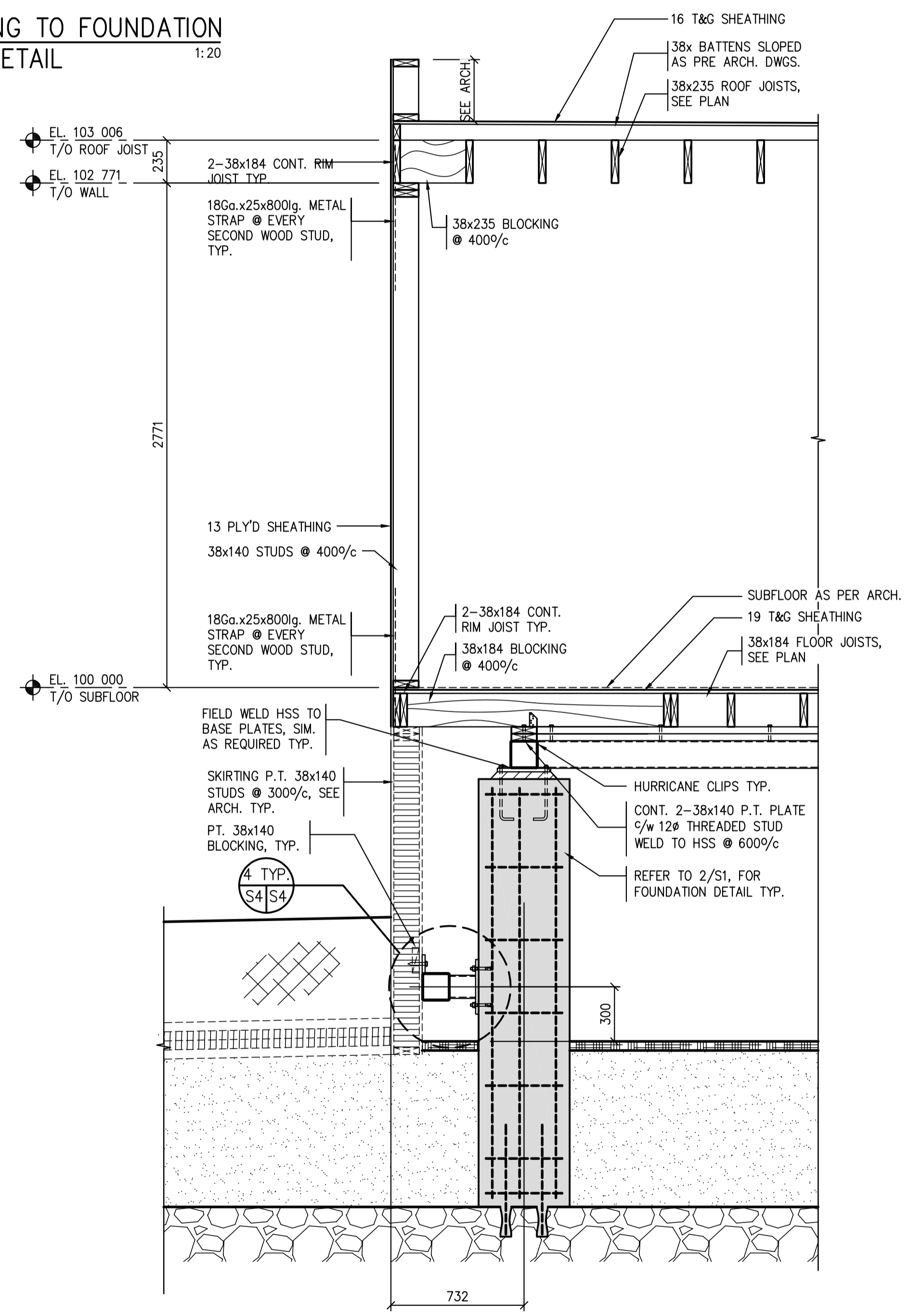
3 JOIST DETAIL AT 3 PLY BUILT UP COL. TYP. 1:20



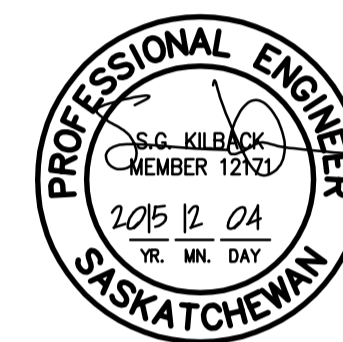
4 TYP - SKIRTING TO FOUNDATION CONNECTION DETAIL 1:20



1 TYPICAL UNIT SECTION 1:20



2 WALL SECTION 1:20



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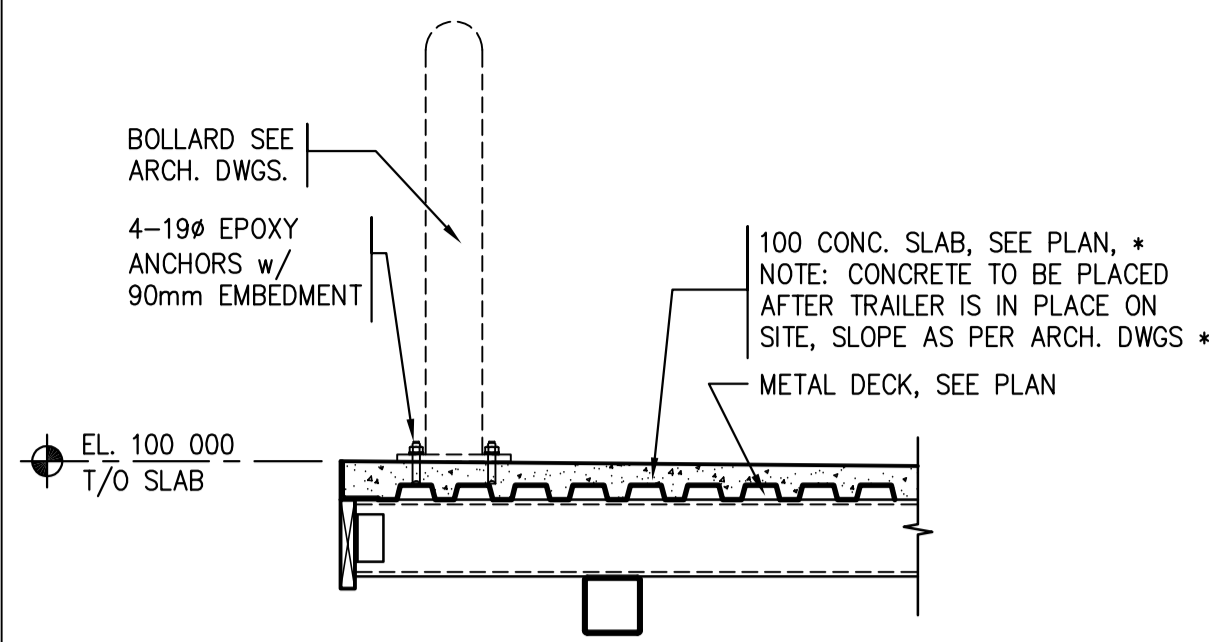
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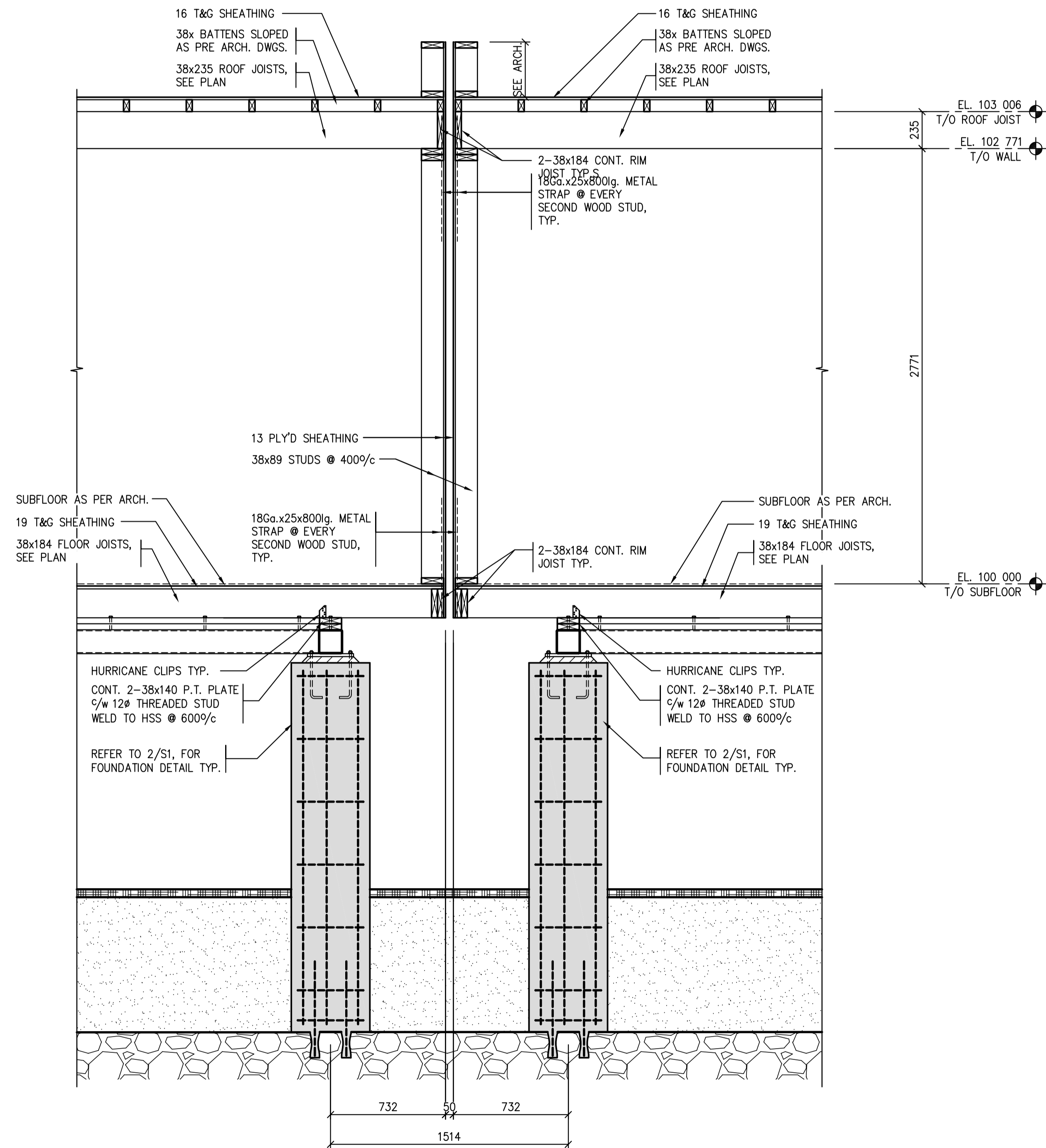
**SECTIONS / DETAILS**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
S-03-2014	S4	

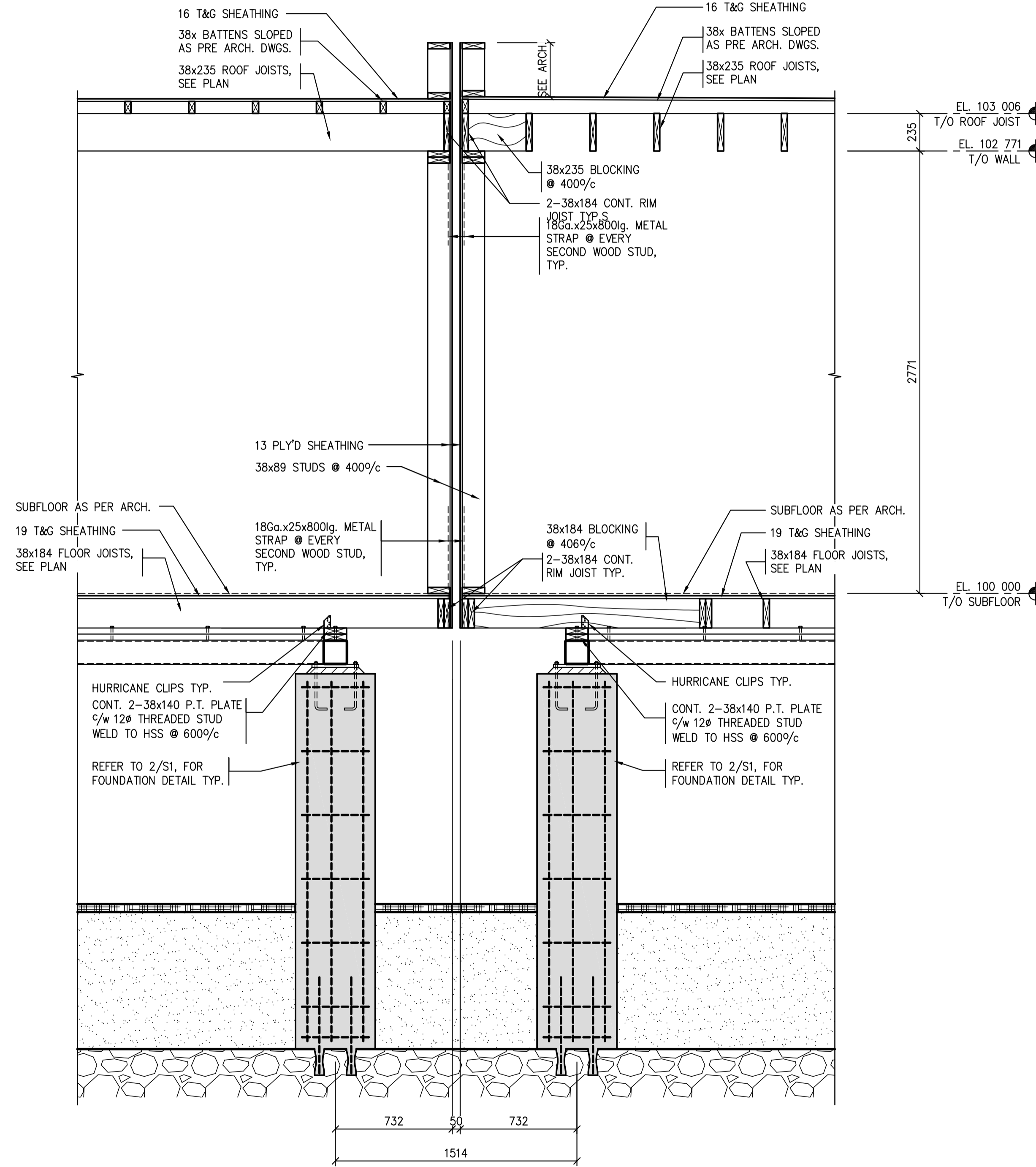




3 BOLLARD CONNECTION DETAIL  
S1/S5 IN UNIT 1 1:20



1 WALL SECTION  
S1/S2/S5 1:20



2 WALL SECTION  
S1/S2/S5 1:20



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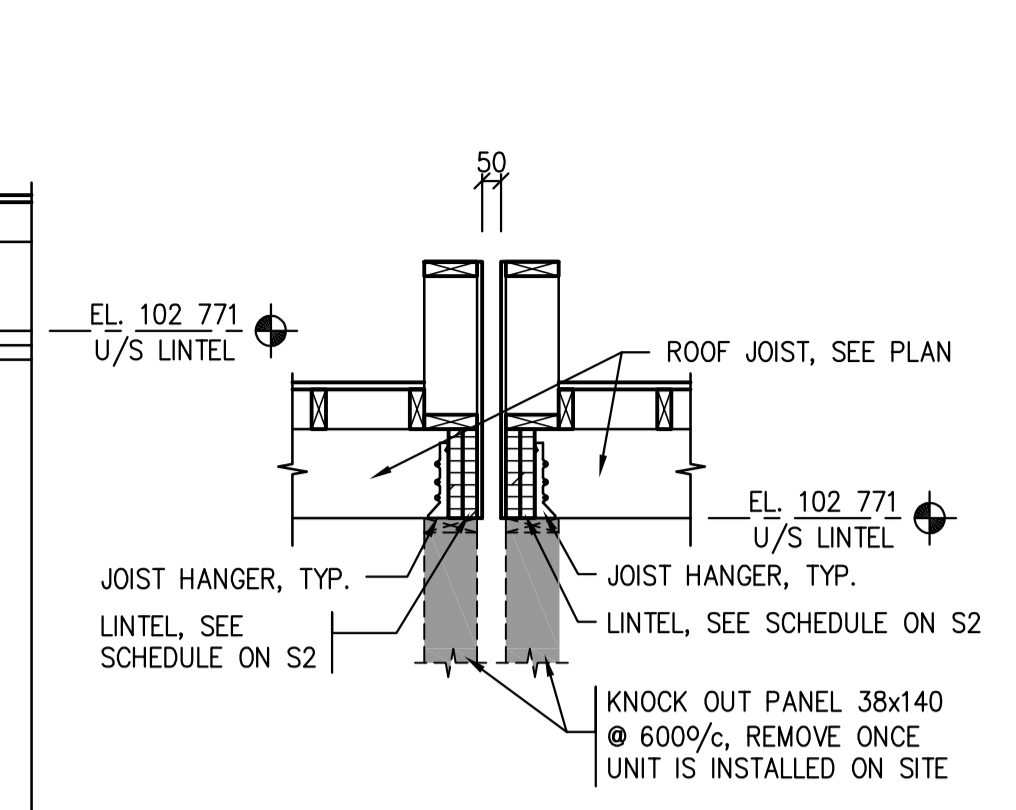
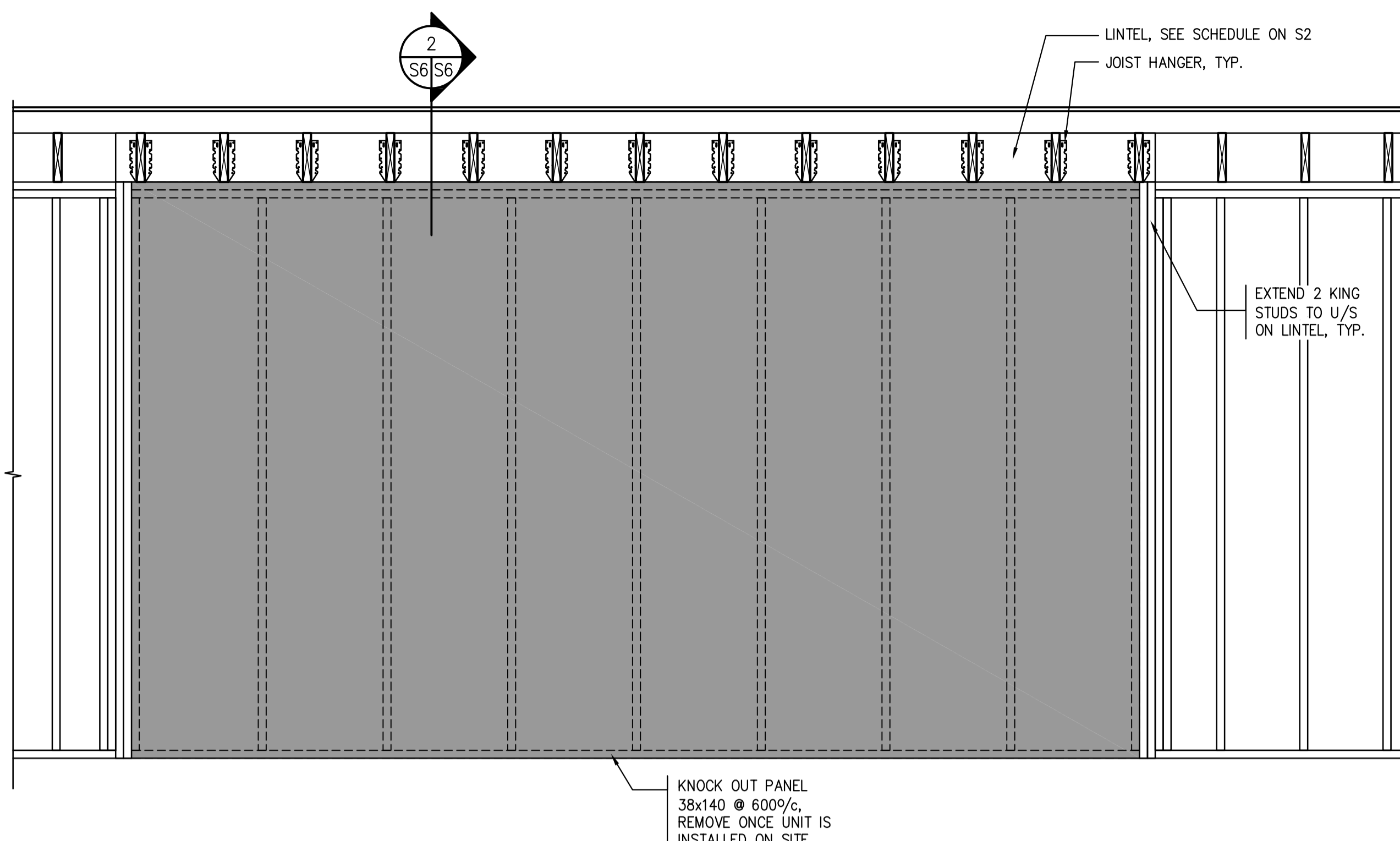
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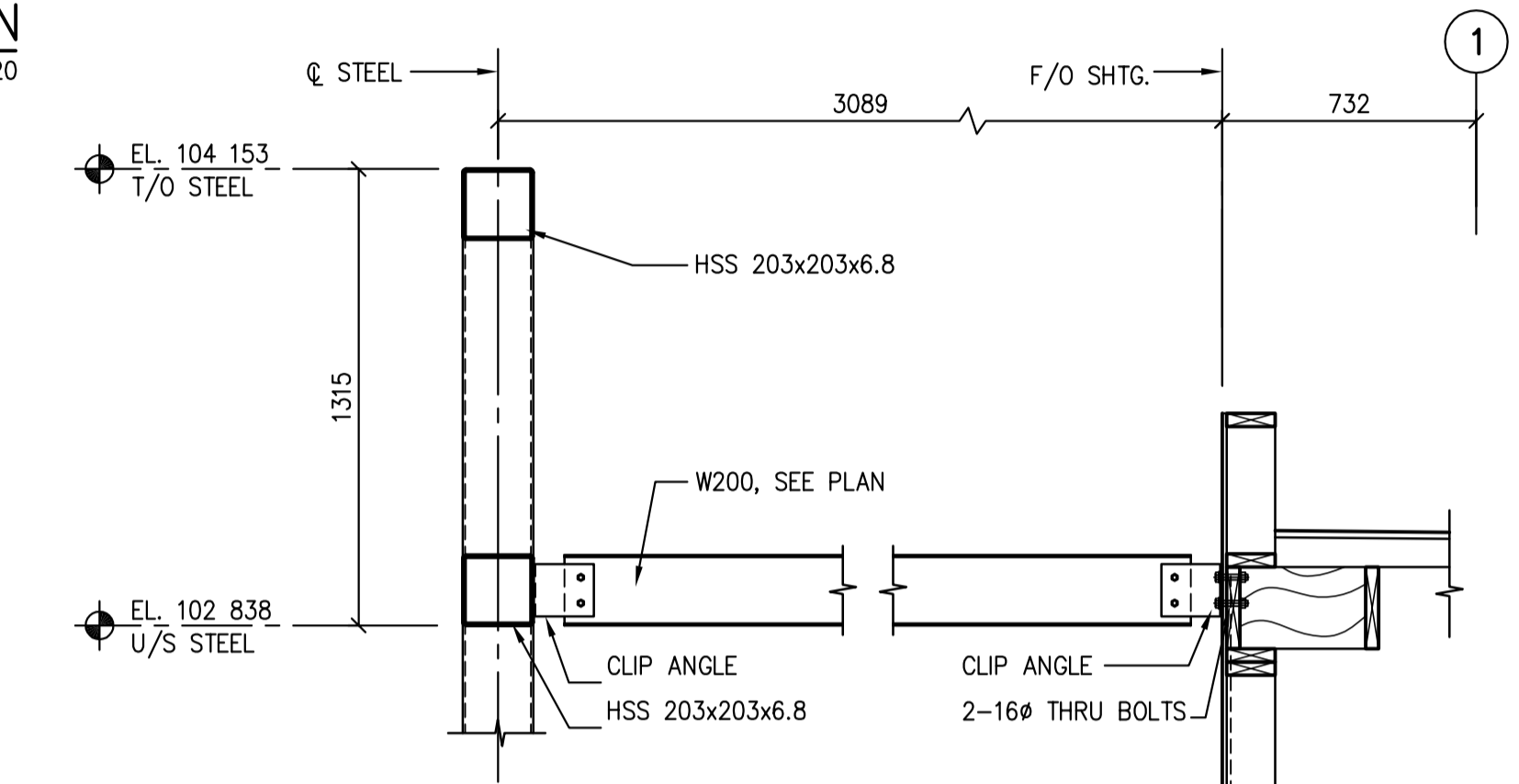
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**SECTIONS / DETAILS**

Project No./No. du projet <b>S-03-2014</b>	Sheet/Fauille <b>S5</b>	Revision no./La Révision no.
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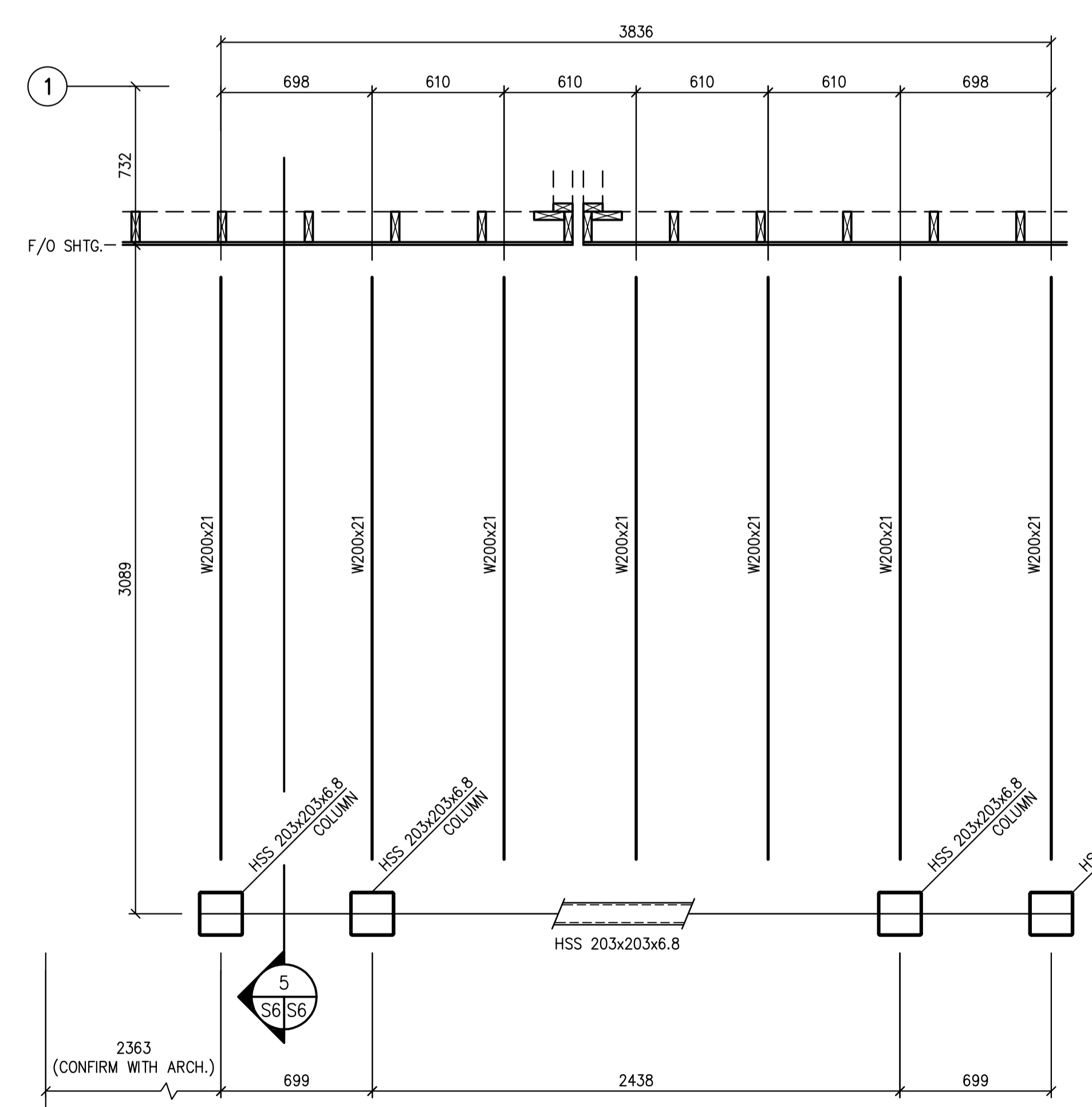


2 SECTION  
S6/S6 1:20

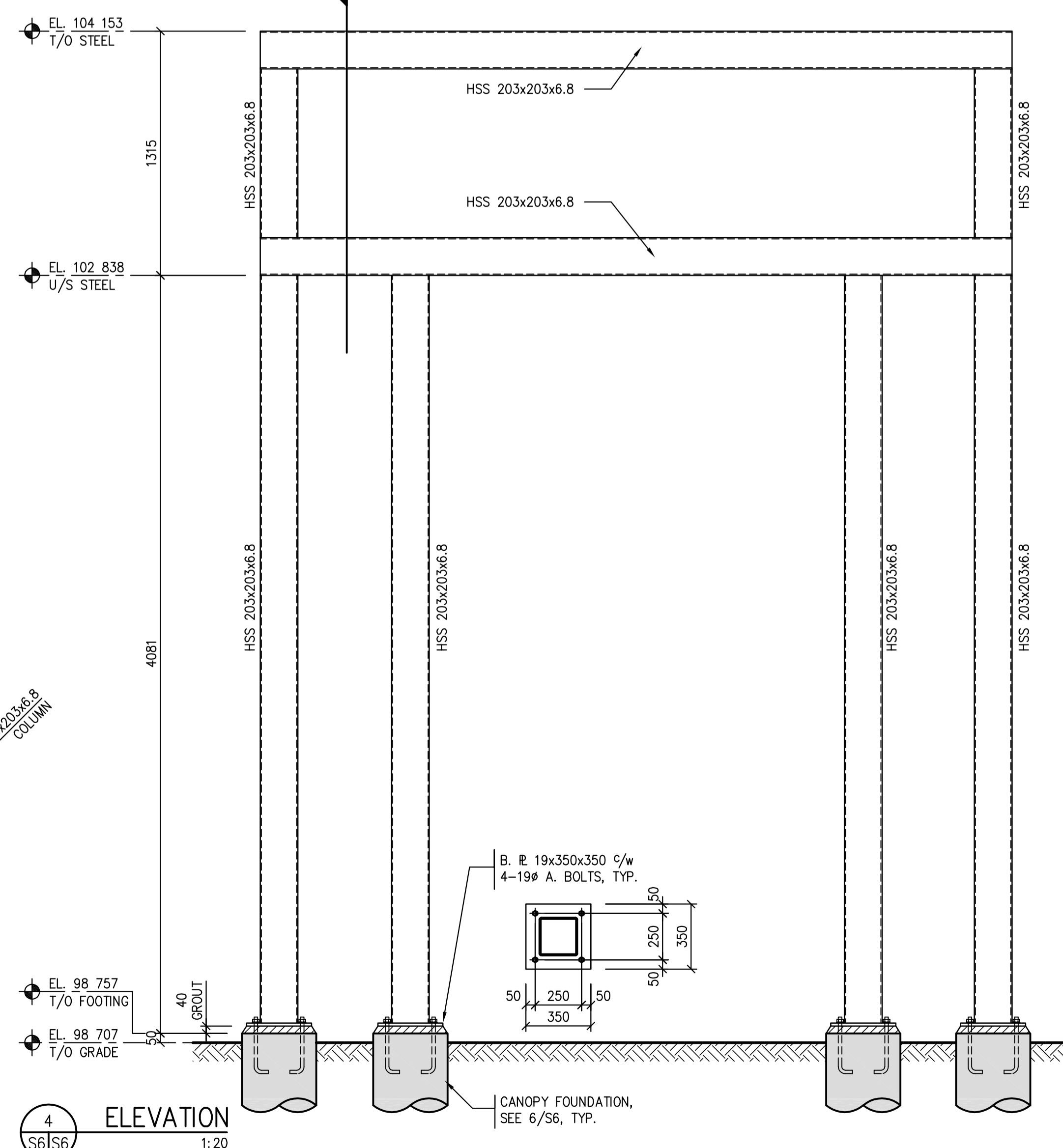


5 SECTION  
S6/S6 1:20

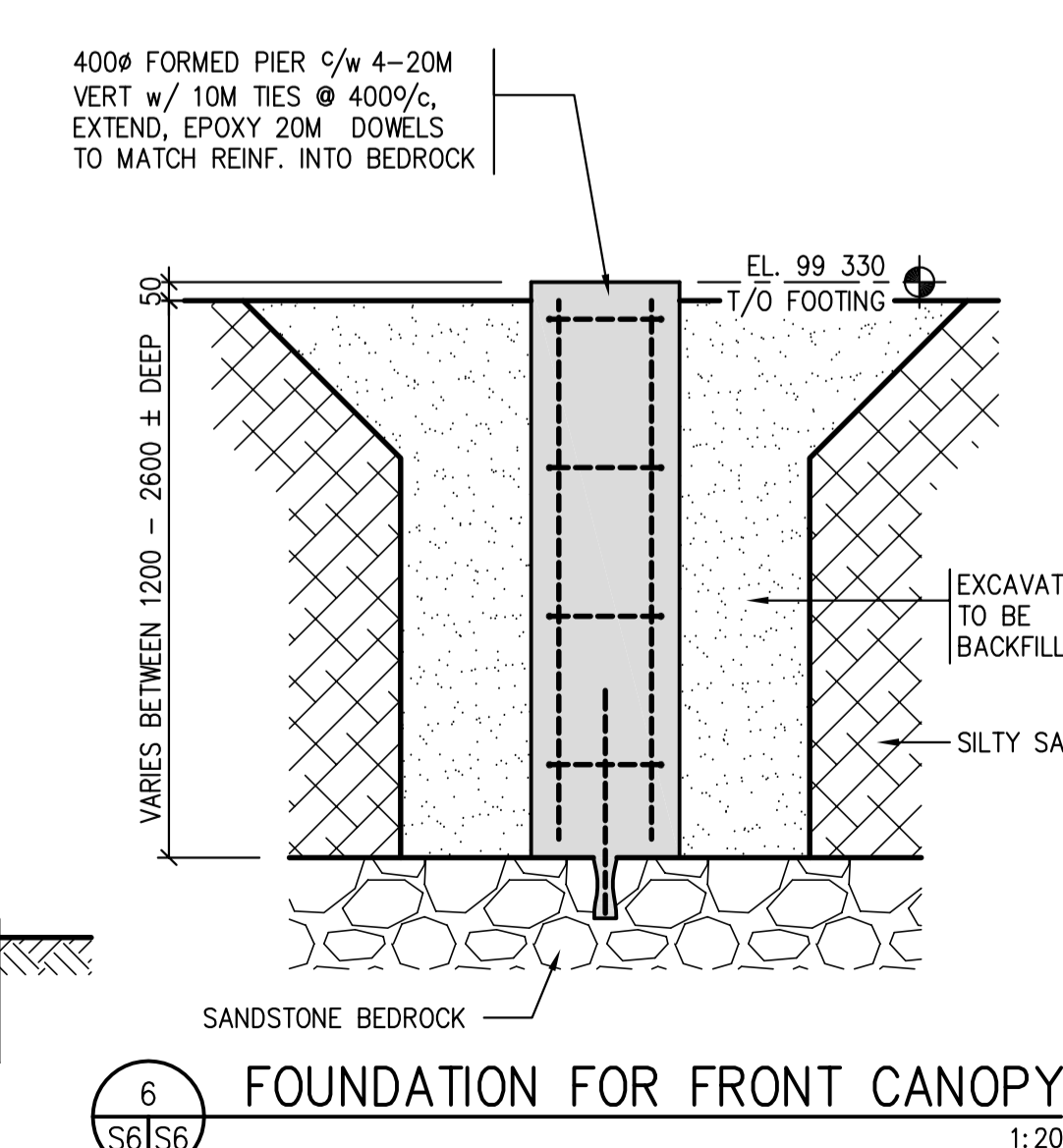
1 ELEVATION AT FULL HEIGHT WALL OPENING  
S2/S6 1:20



3 FRONT SIGN CANOPY - PLAN  
S1/S6 1:20



4 ELEVATION  
S6/S6 1:20



6 FOUNDATION FOR FRONT CANOPY  
S6/S6 1:20



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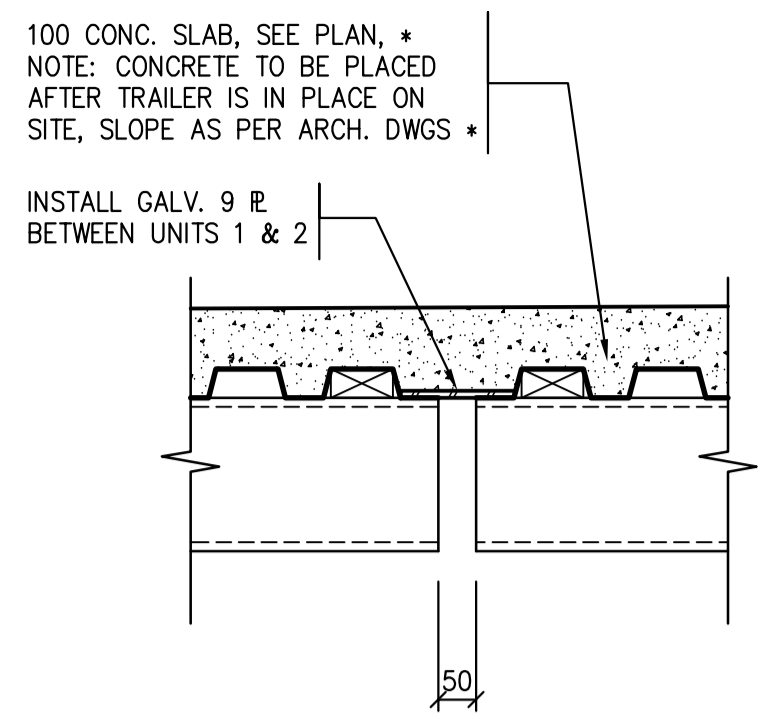
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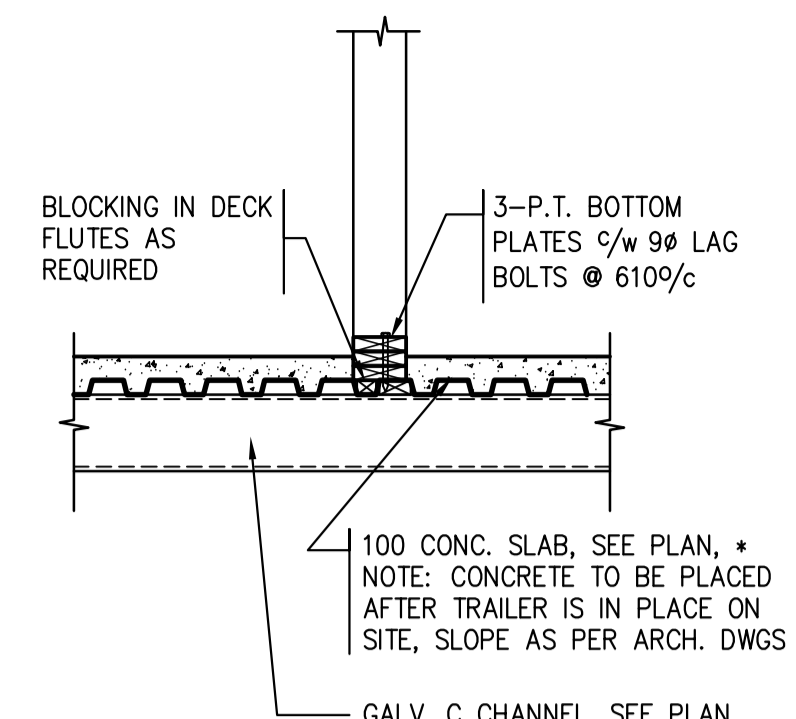
**SECTIONS / DETAILS**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
S-03-2014	S6	

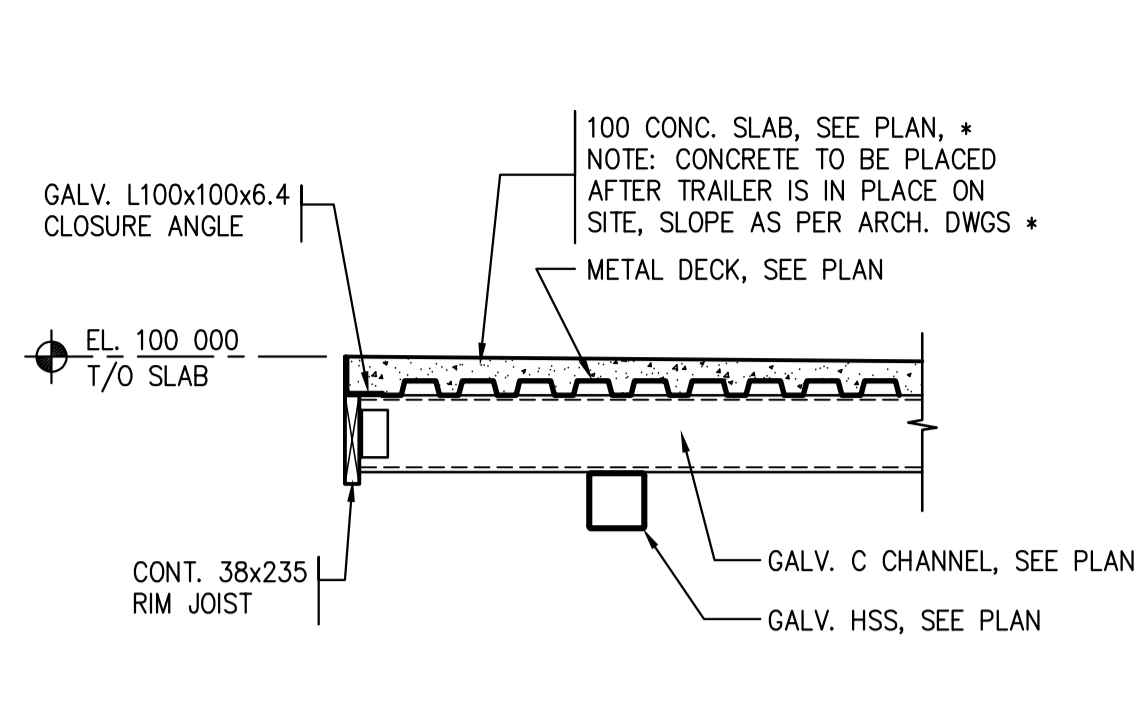




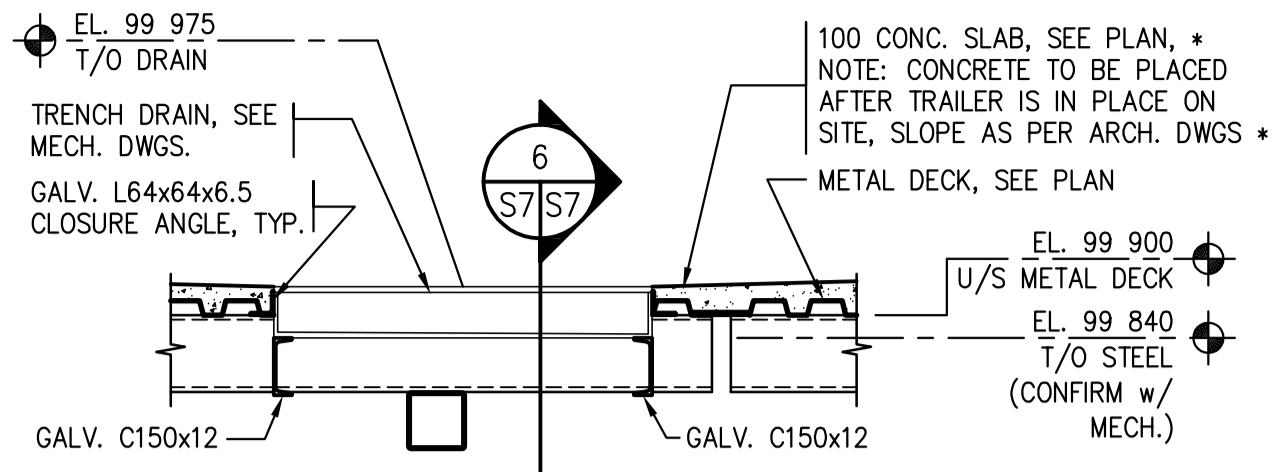
**A** CONNECTION DETAIL BETWEEN UNITS 1 & 2 AT CONC. SLAB ON METAL DECK 1:10



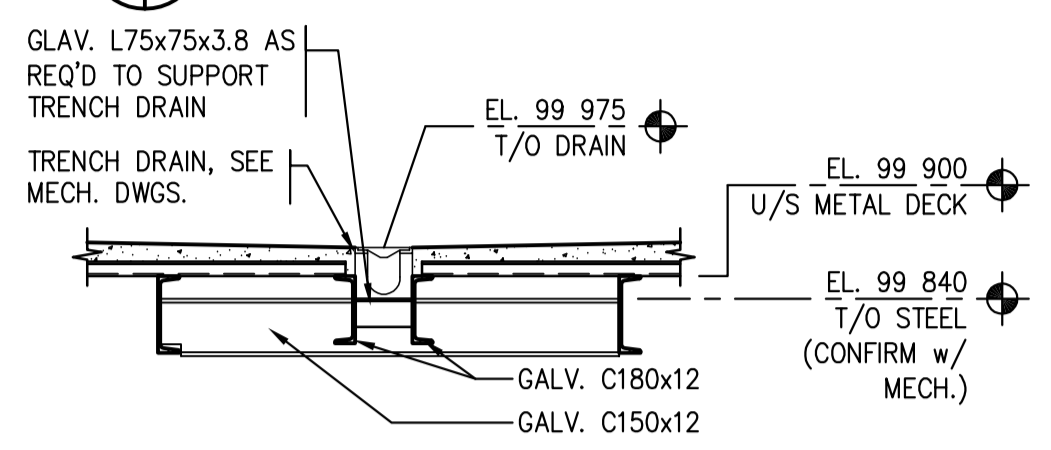
**3** CONNECTION DETAIL AT INTERIOR WALL IN UNITS 1 & 2 1:20



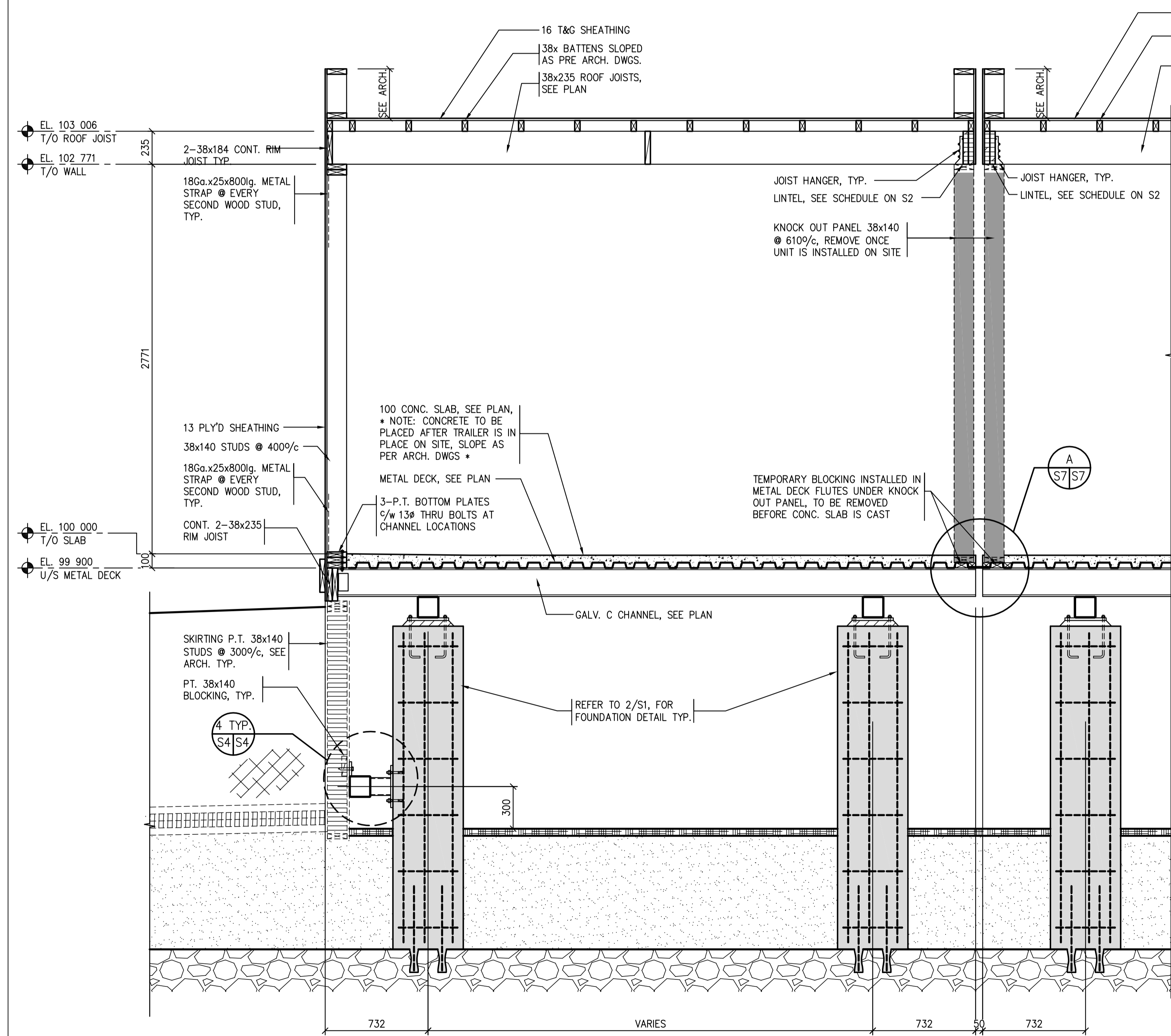
**4** DETAIL AT O.H. & MAN DOOR LOCATIONS IN UNITS 1 & 2 1:20



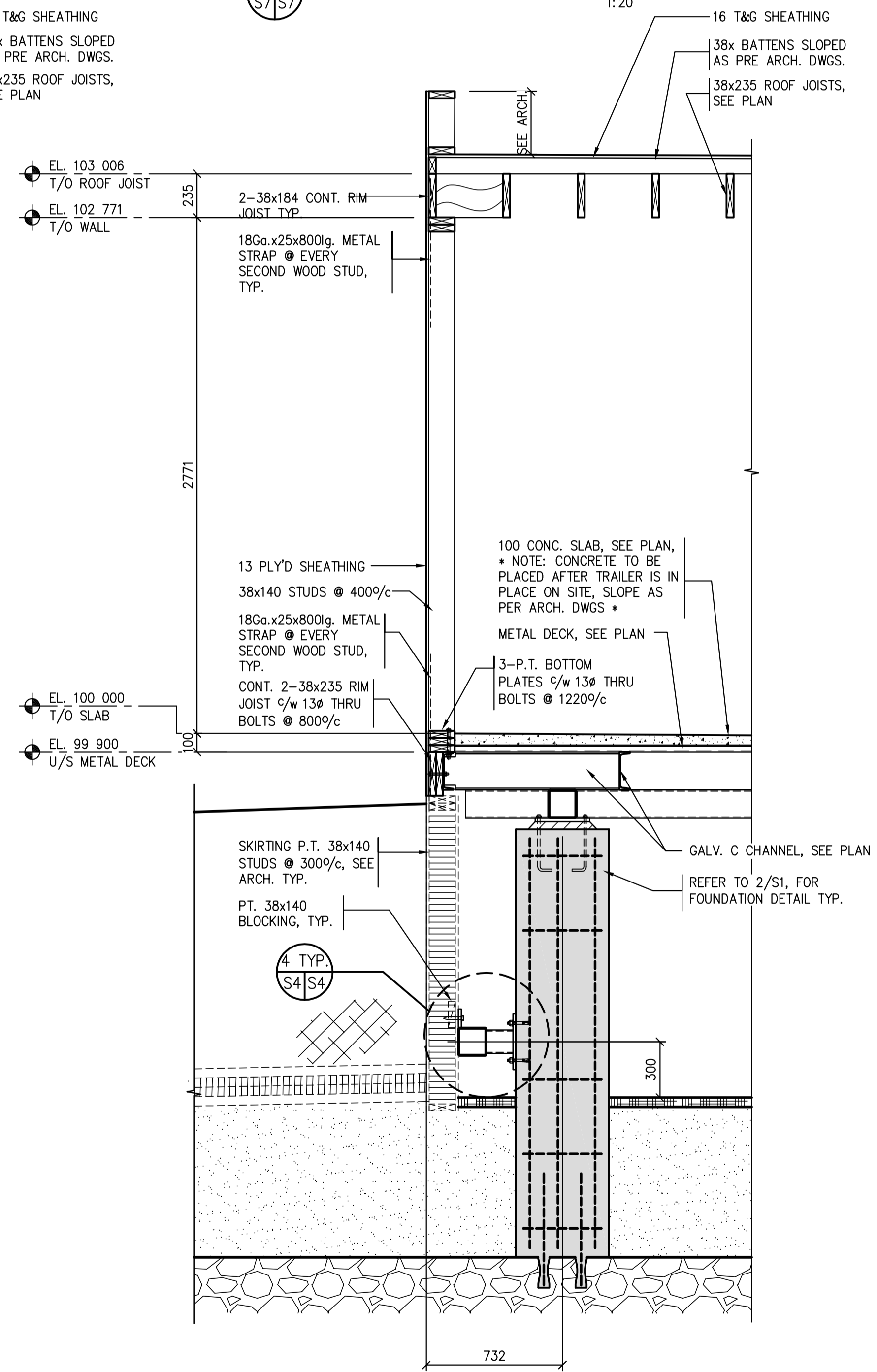
**5** TRENCH SUPPORT DETAIL 1:20



**6** TRENCH SUPPORT DETAIL 1:20



**1** SECTION AT UNIT 1 & 2 1:20



**2** SECTION AT UNIT 1 & 2 1:20



Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approuve par

Designed by/Concept par SK

Drawn by/Dessine par CS

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie

Client/client

Drawing title/Titre du dessin

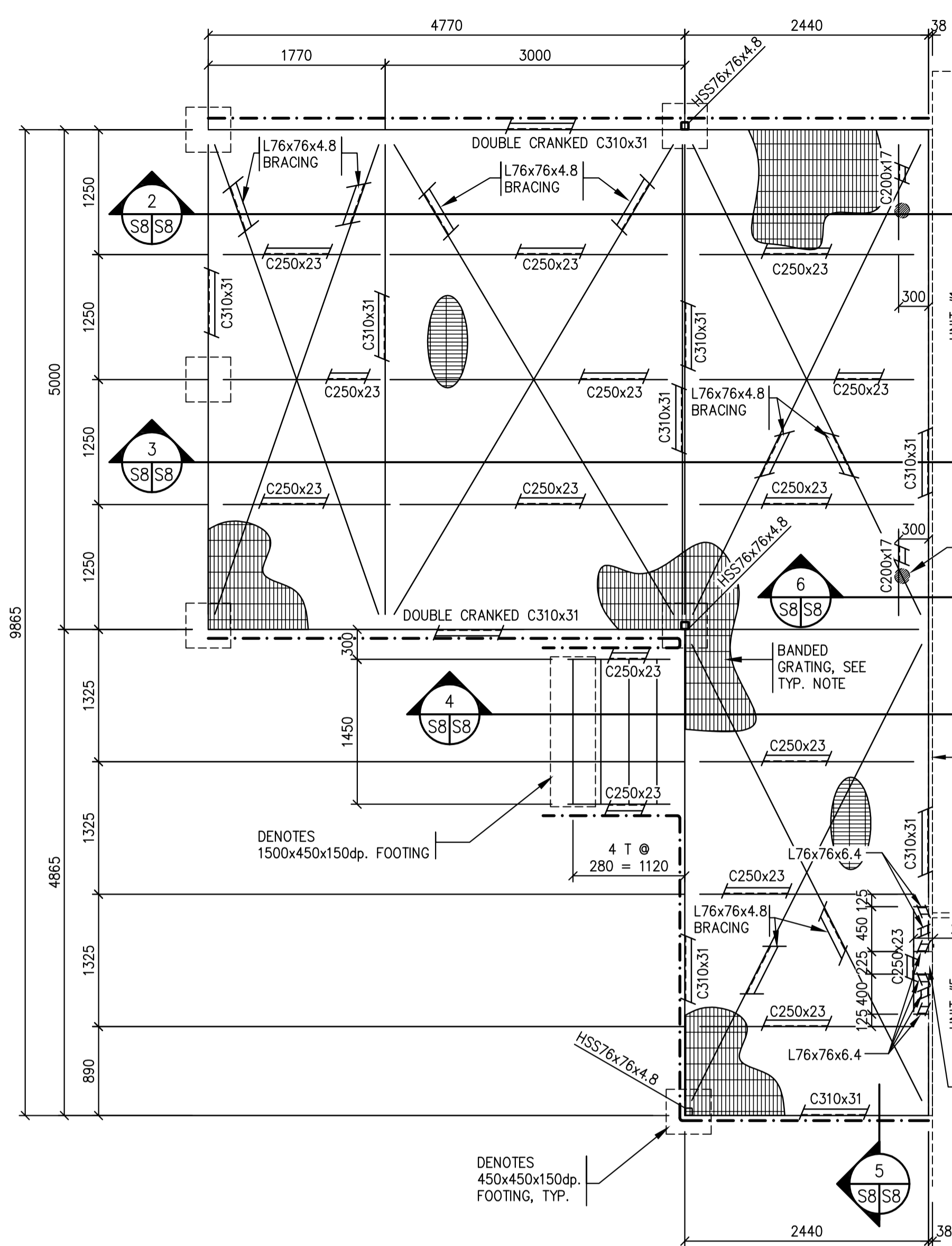
**SECTIONS / DETAILS**

Project No./No. du projet S-03-2014

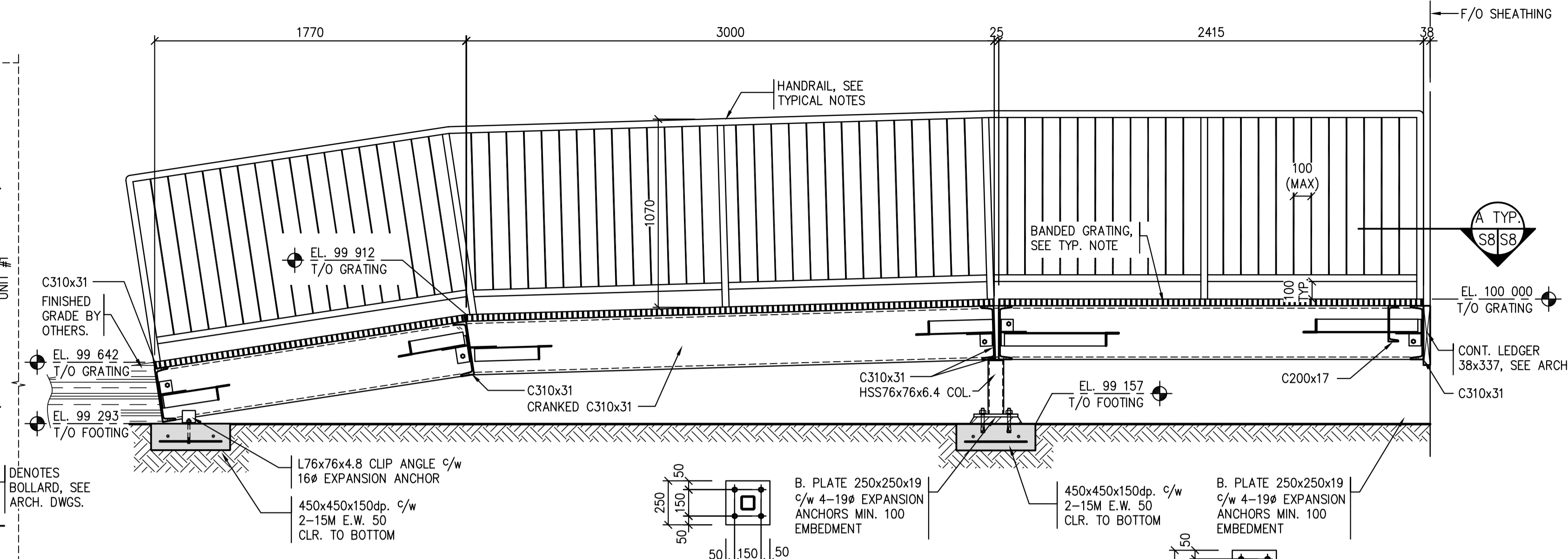
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Revision no./La Révision no.

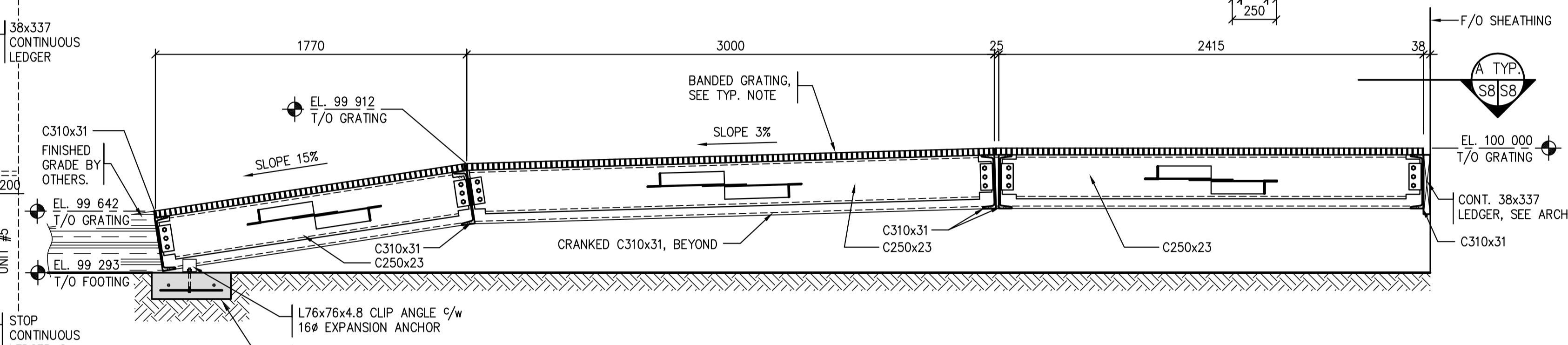




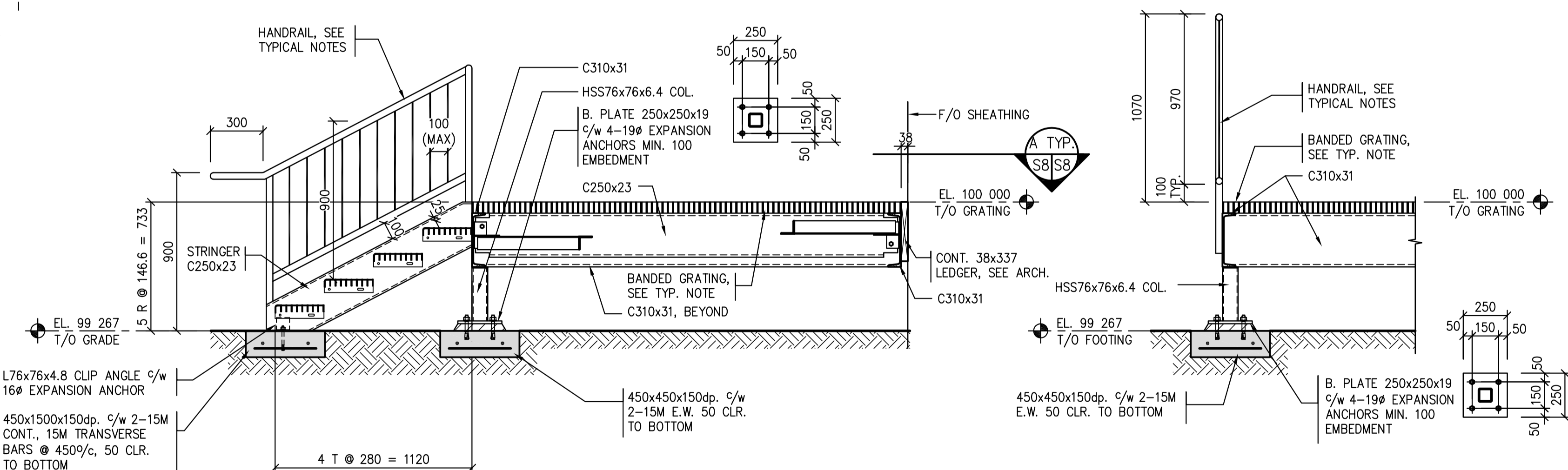
1 EXTERIOR VEHICLE RAMP PLAN  
1:40



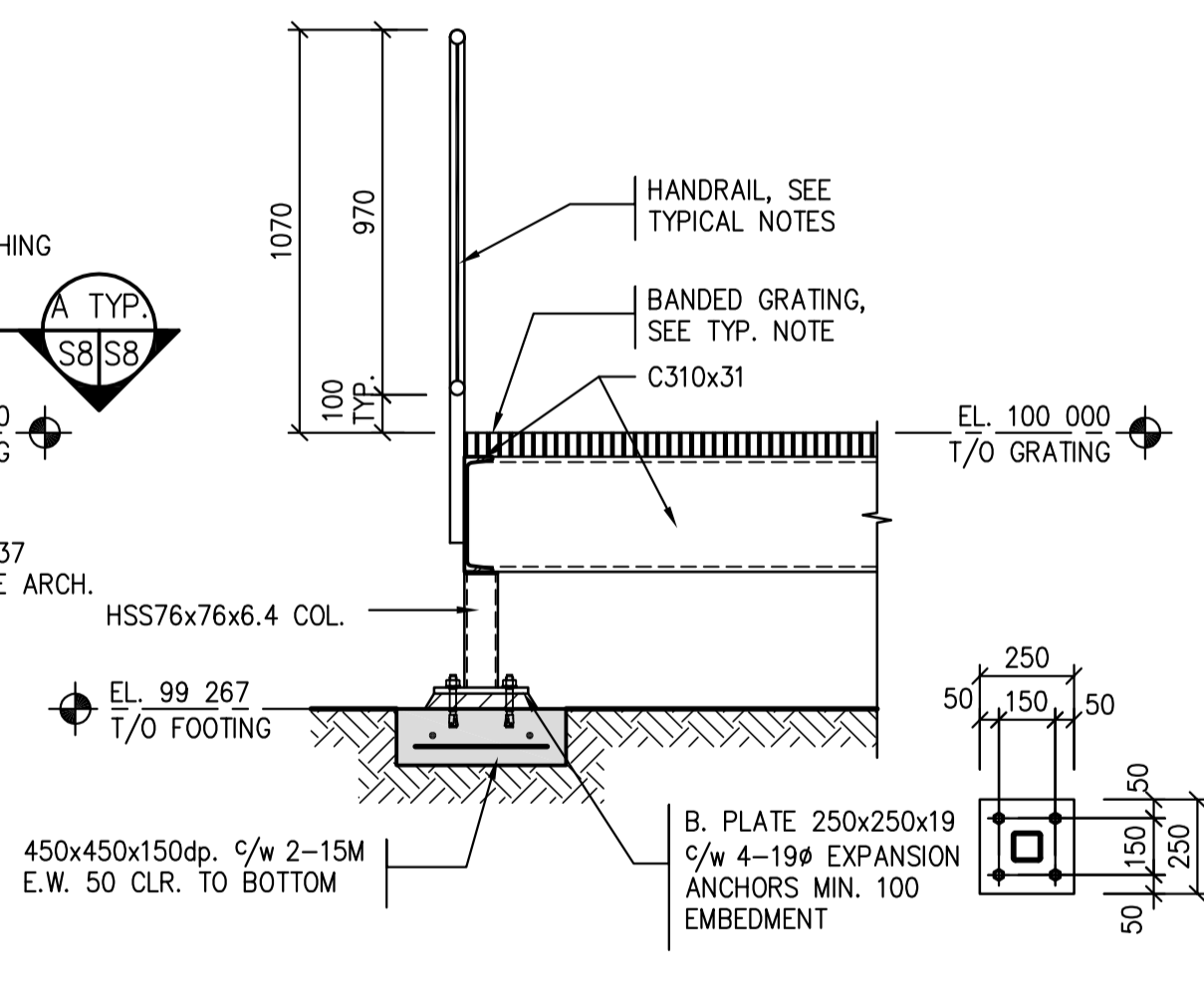
2 EXTERIOR RAMP SECTION  
1:20



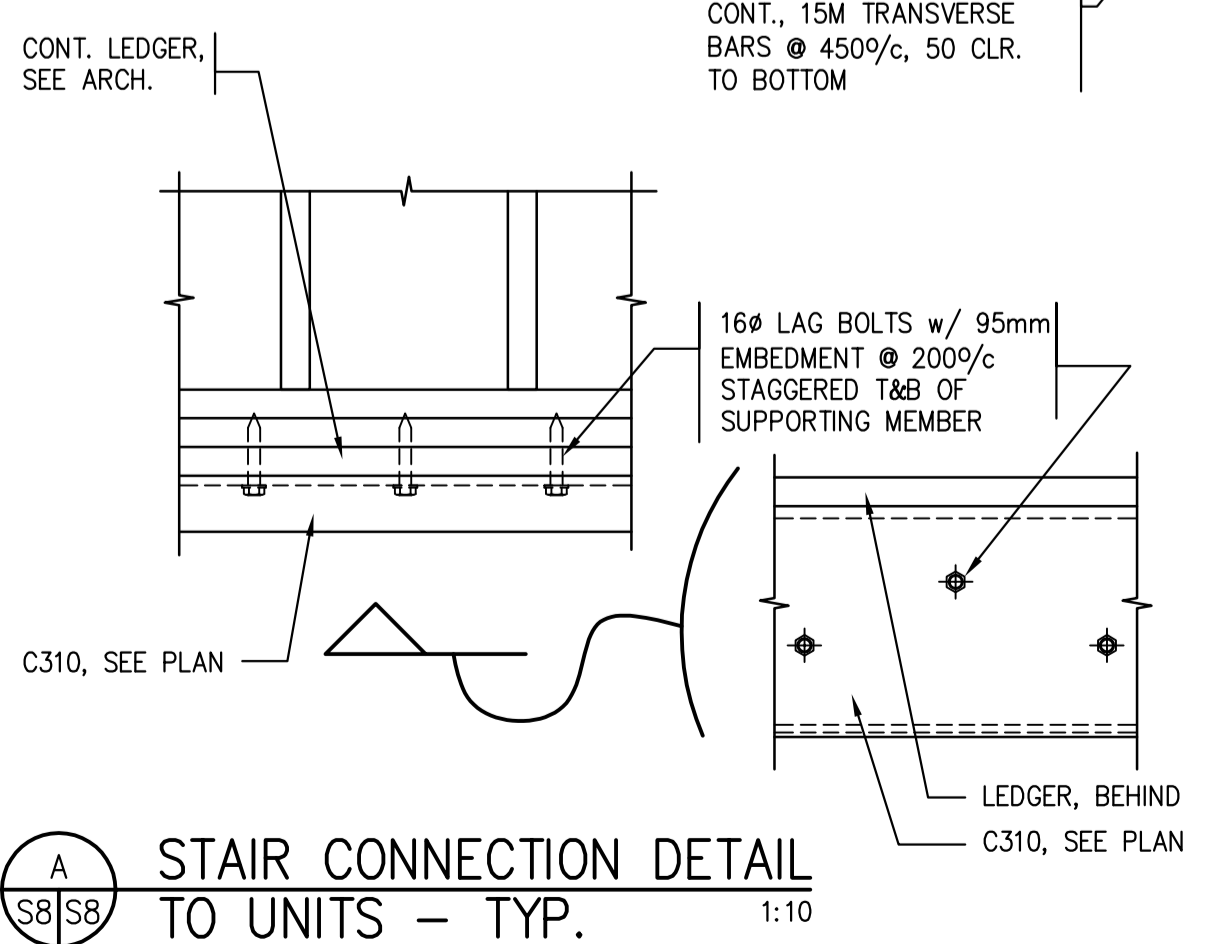
3 EXTERIOR RAMP SECTION  
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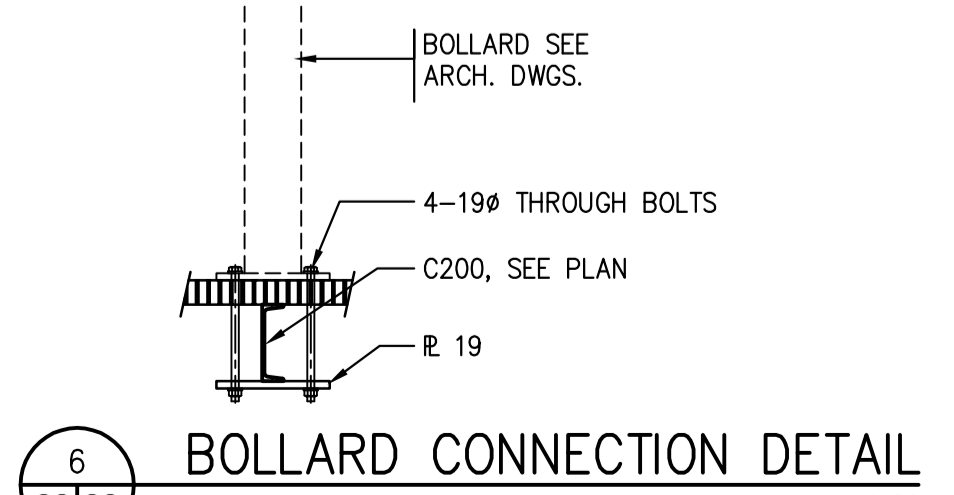
4 EXTERIOR RAMP SECTION  
1:20



5 EXTERIOR RAMP SECTION  
1:20

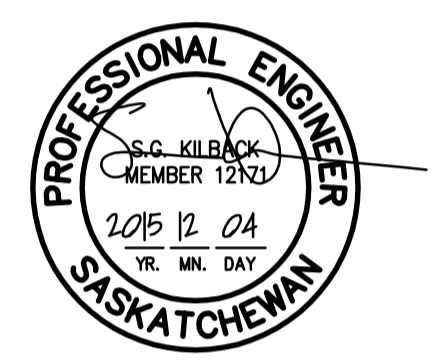


A STAIR CONNECTION DETAIL TO UNITS - TYP.  
1:10



6 BOLLARD CONNECTION DETAIL  
1:20

- TYPICAL STAIR NOTES:**
- ALL STAIR, RAMP AND LANDING STEEL TO BE GALVANIZED.
  - TYPICAL STAIR STRINGER TO BE C250x23 U.N.O. GALVANIZED.
  - HAND AND GUARDRAIL HORIZONTAL MEMBERS TO BE FROM DN38 STD. WALL HSS PIPE. VERTICAL MEMBERS TO BE FROM DN38 STD. WALL PIPE. AT MAX 1500/c. VERTICAL PICKETS TO BE FROM 10mmØ ROD SPACED AT MAX 100/c ALL PIPE TO BE 240MPa. ALL MEMBERS TO BE GALVANIZED.
  - ALL CONNECTIONS TO BE BOLTED UNLESS APPROVED.
  - TYPICAL STAIR TREAD TO BE SERRATED GRATING 38x4.8 BEARING BARS TYPE 19-4 c/w ABRASIVE NOSING, GALVANIZED.
  - TYPICAL LANDING & RAMP GRATING TO BE SERRATED GRATING 38x4.8 BEARING BARS TYPE 30x102M BANDIED, GALVANIZED. SEE DETAIL 7/S9 FOR GRATING ANCHORAGE DETAIL, TYP.
  - ANY PENETRATIONS THROUGH THE GRATING FOR DOWN SPOUTS TO BE CUT ON SITE AS REQUIRED.



Association of Professional Engineers & Geoscientists of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
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 BROWNLEE BEATON KREKE (REGINA) LTD.  
 NUMBER 525  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE: STRUCTURAL 12/17  
 SASK. REG. No. SIGNATURE: SKK

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par

Designed by/Concept par SK

DRAWN BY/DESIGNER par CS

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie

Client/client

Drawing title/Titre du dessin

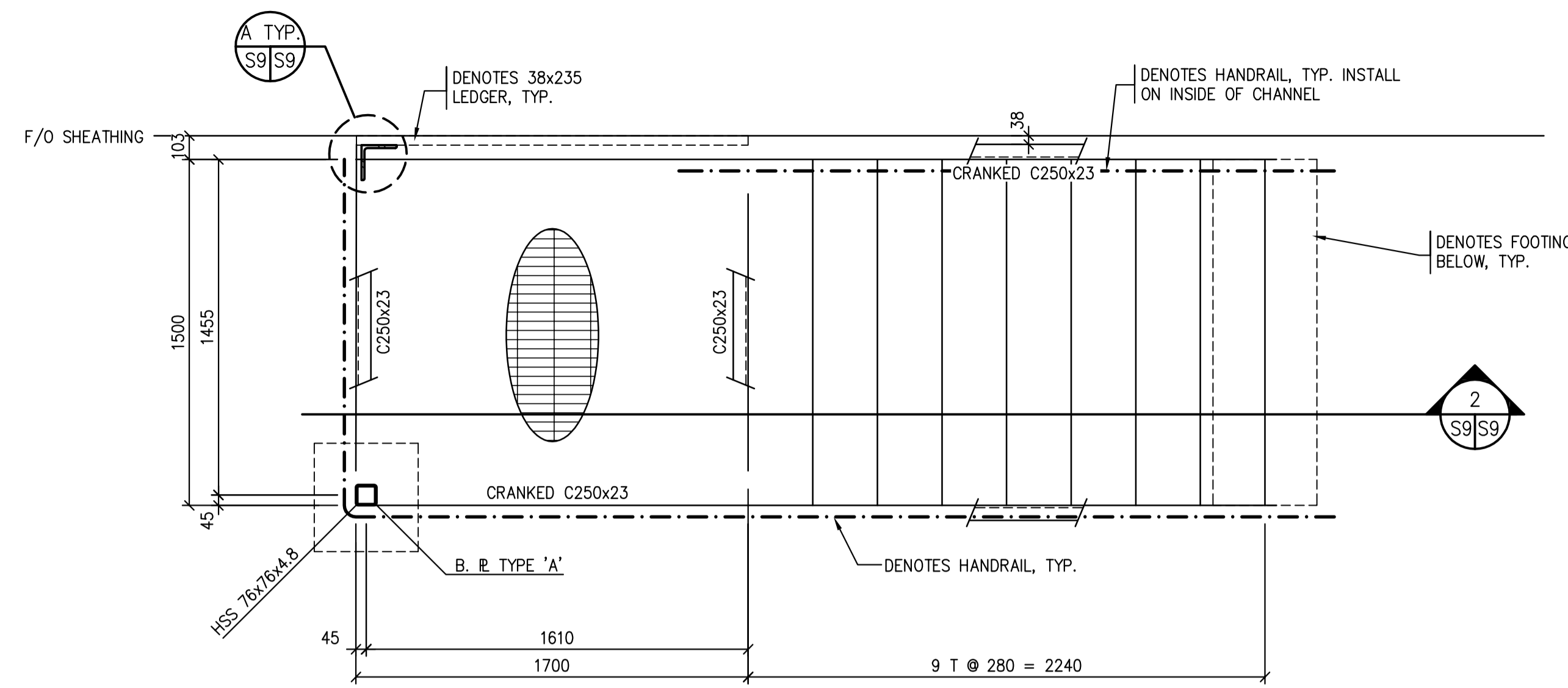
**SECTIONS / DETAILS**

Project No./No. du projet

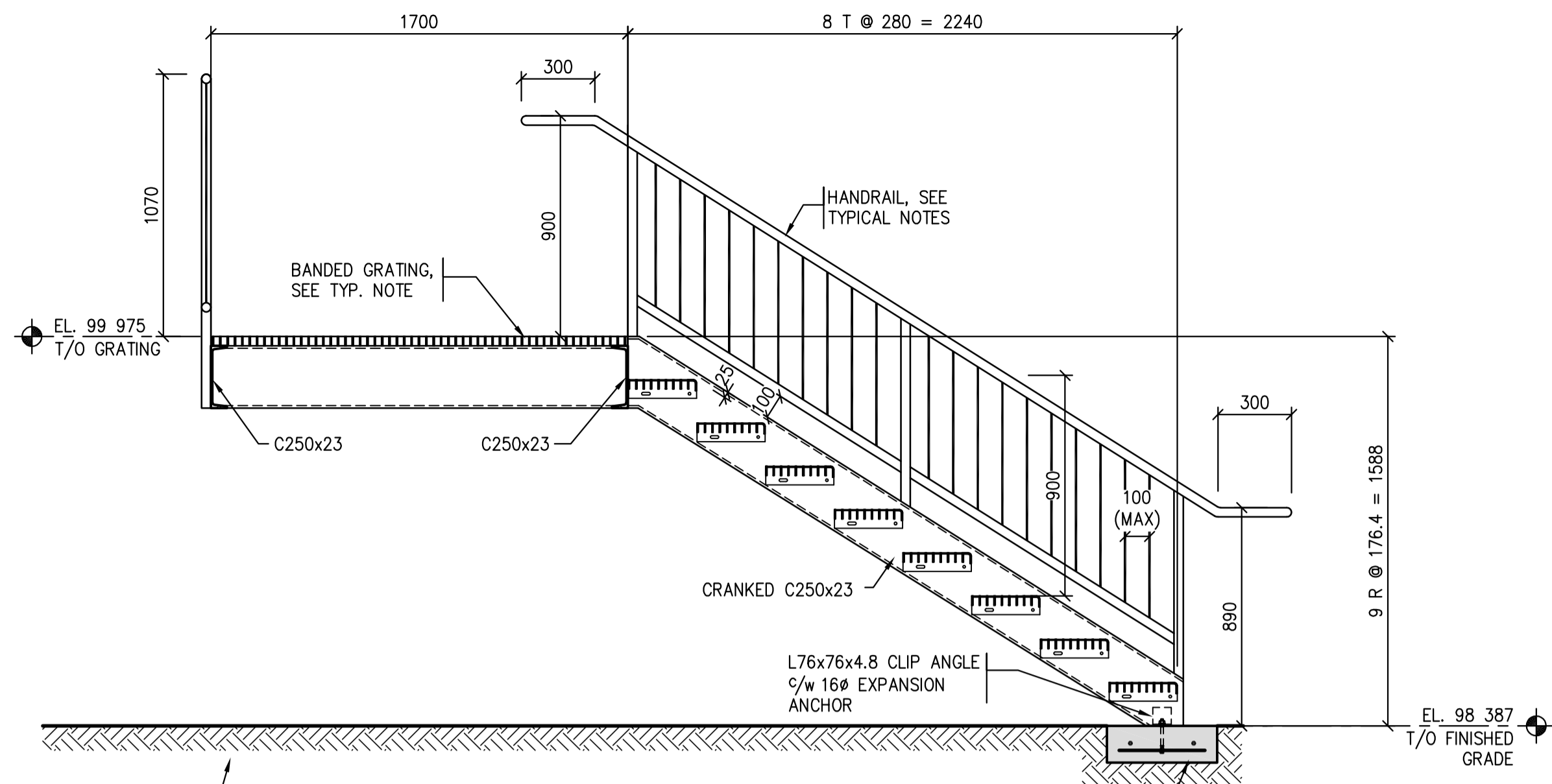
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Revision no./La Révision no.

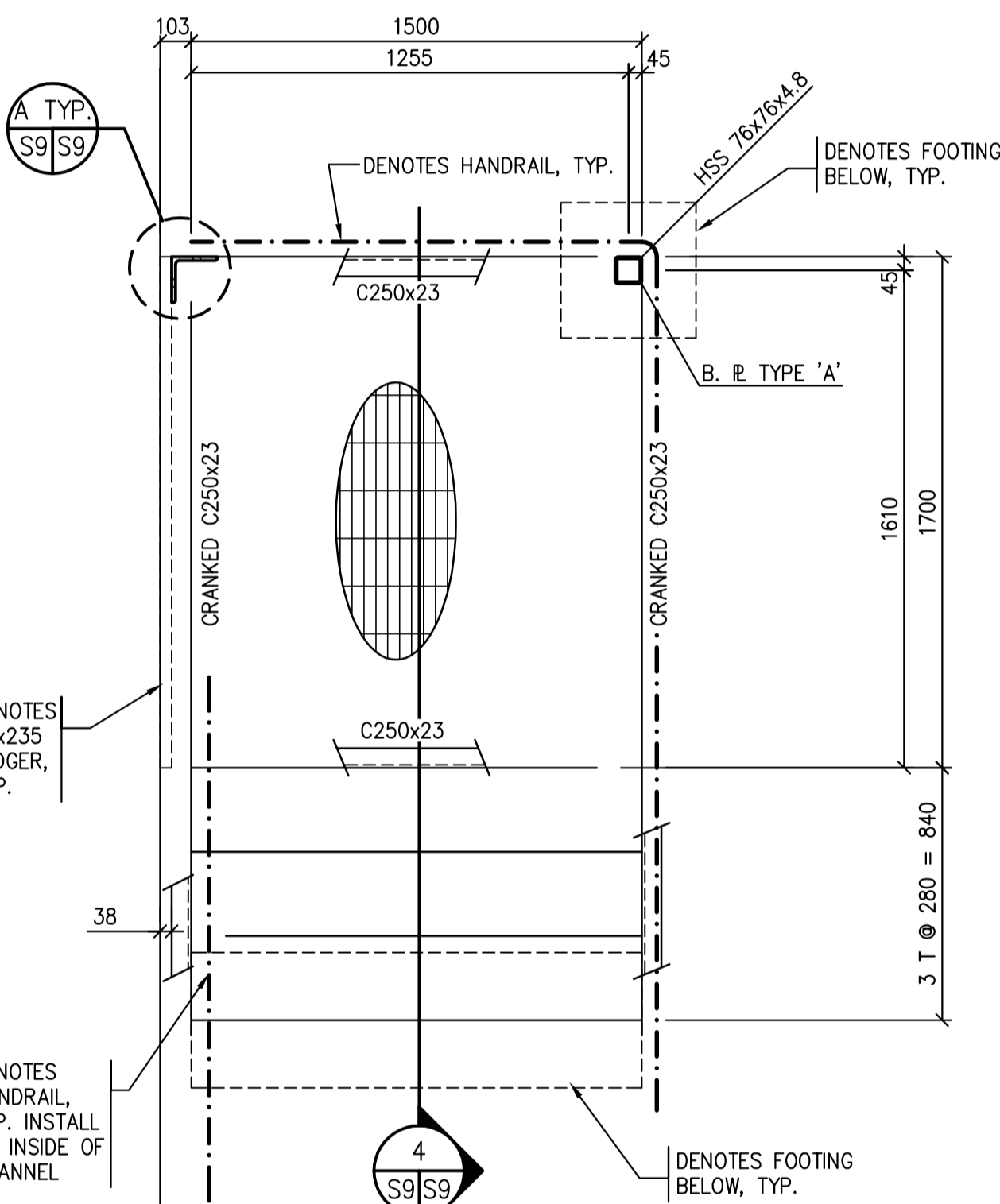




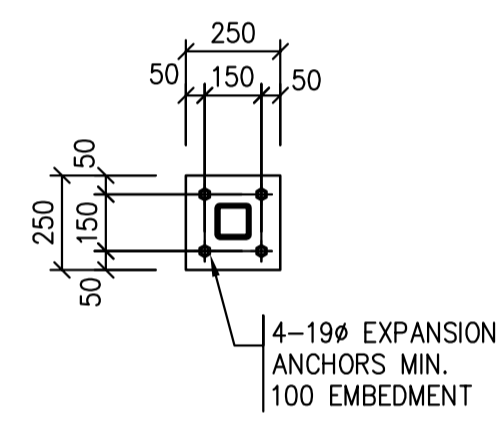
1 EXTERIOR STAIR PLAN  
1:20



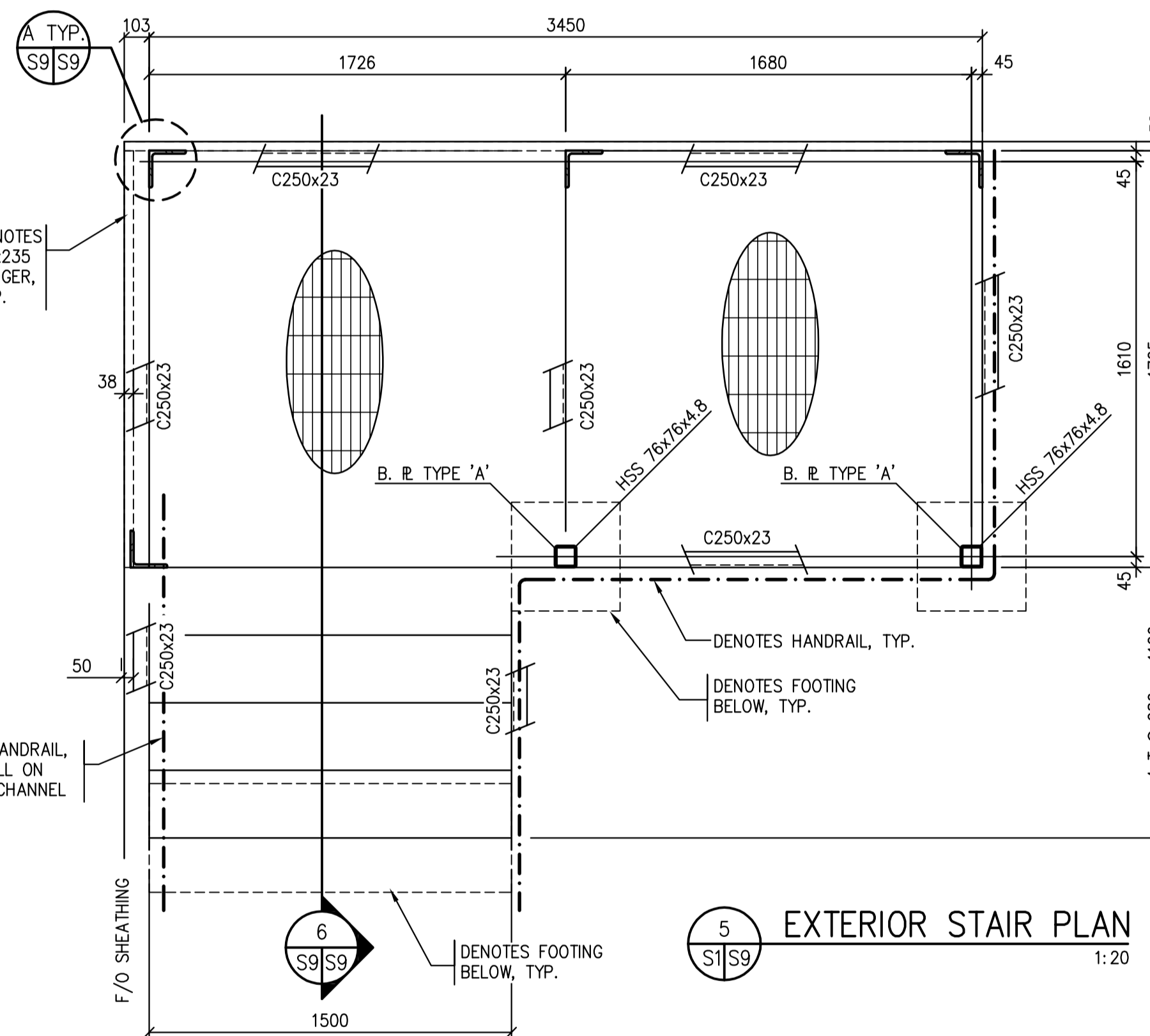
2 EXTERIOR STAIR SECTION  
1:20



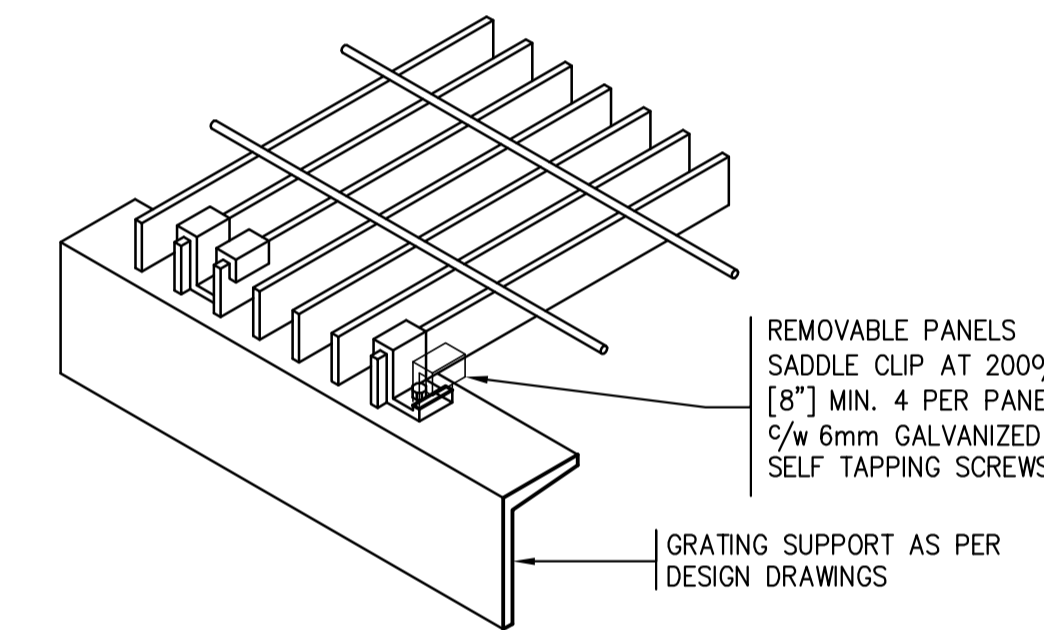
3 EXTERIOR STAIR PLAN  
1:20



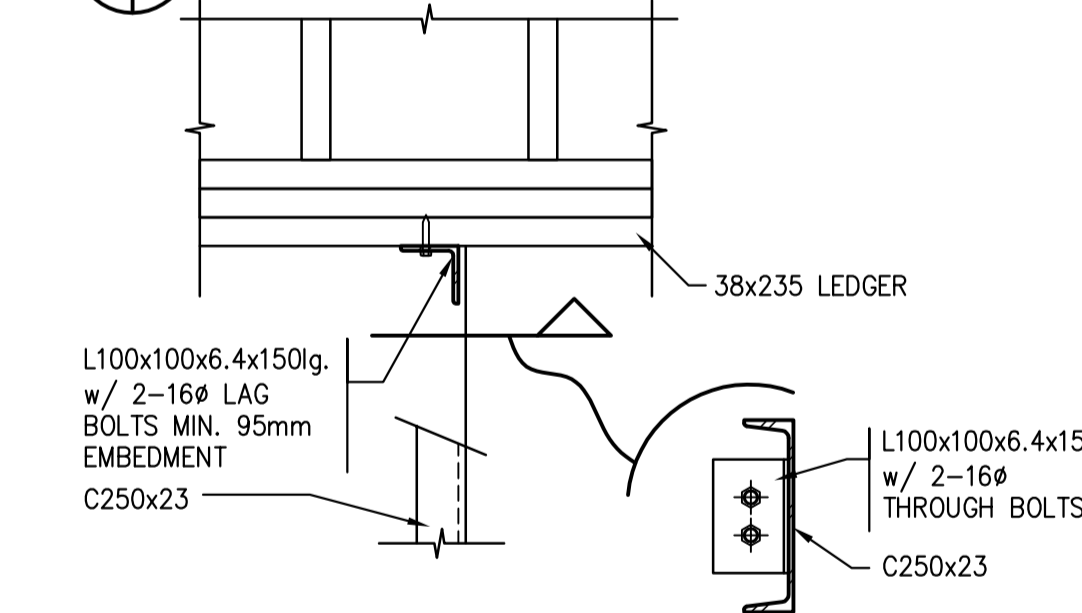
8 BASE PLATE DETAILS  
1:20



5 EXTERIOR STAIR PLAN  
1:20

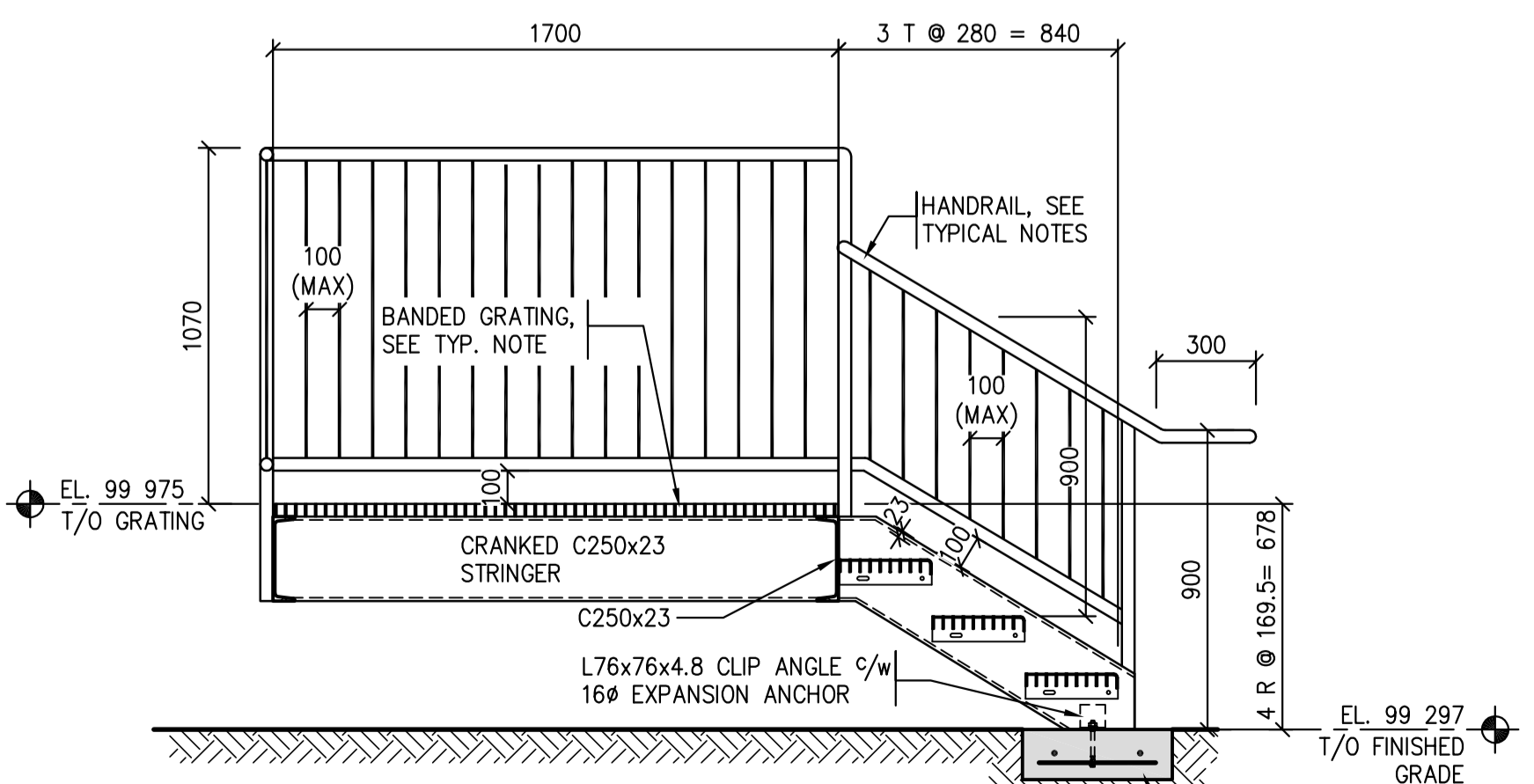


7 GRATING ANCHORAGE DETAIL TYP.  
NTS

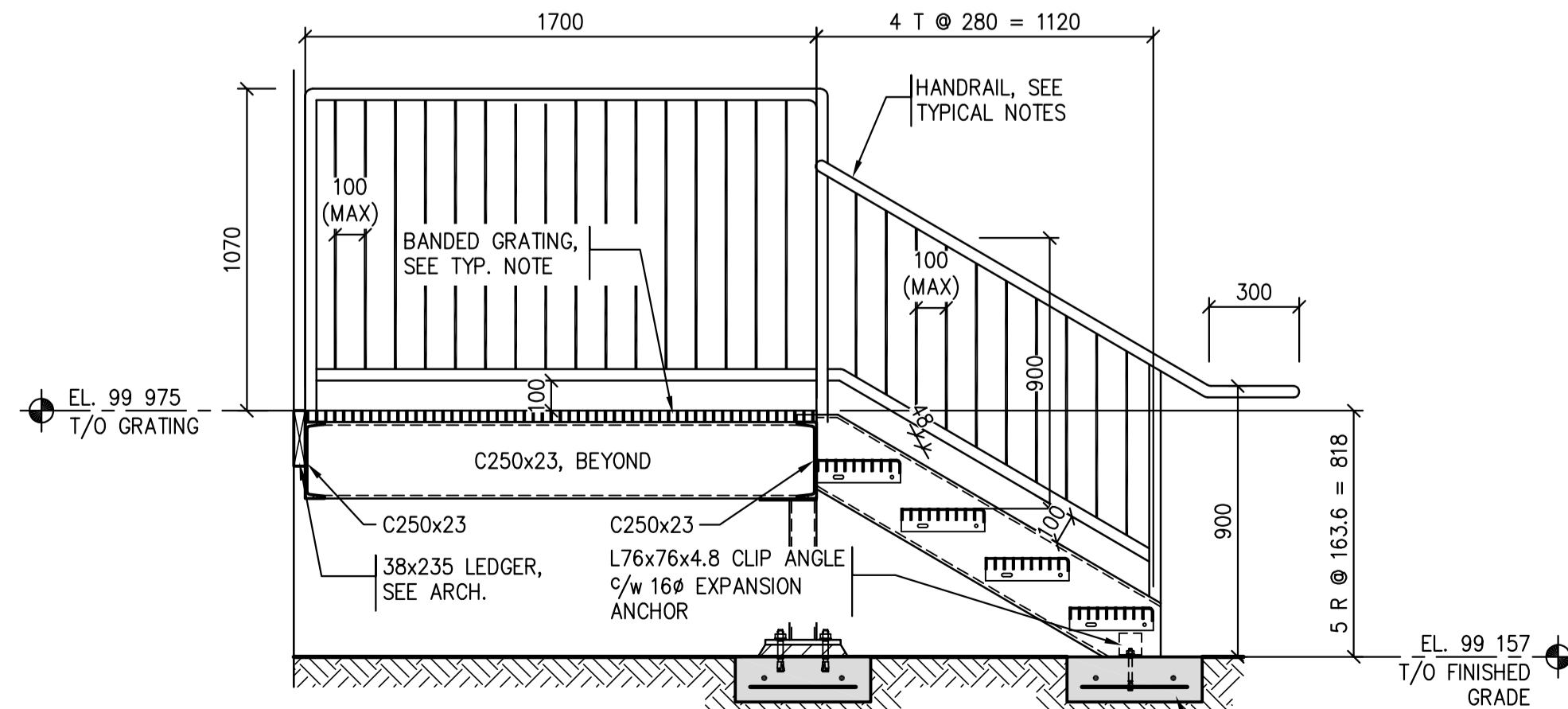


A STAIR CONNECTION DETAIL TO UNITS - TYP.  
1:10

- STAIR NOTES:**
- ALL STAIR AND LANDING STEEL TO BE GALVANIZED.
  - TYPICAL STAIR STRINGER TO BE C250x23 U.N.O. GALVANIZED.
  - HAND AND GUARDRAIL HORIZONTAL MEMBERS TO BE FROM DN38 STD. WALL HSS PIPE. VERTICAL MEMBERS TO BE FROM DN38 STD. WALL PIPE. AT MAX 15009/c. VERTICAL PICKETS TO BE FROM 10mm ROD SPACED AT MAX 1009/c ALL PIPE TO BE 240MPa. ALL MEMBERS TO BE GALVANIZED.
  - ALL CONNECTIONS TO BE BOLTED UNLESS APPROVED.
  - TYPICAL STAIR TREAD TO BE SERRATED GRATING 38x4.8 BEARING BARS TYPE 30-102M c/w ABRASIVE NOSING, GALVANIZED.
  - TYPICAL LANDING GRATING TO BE SERRATED GRATING 32x4.8 BEARING BARS TYPE 38x102M BANDED, GALVANIZED. SEE DETAIL 7/S9 FOR GRATING ANCHORAGE DETAIL, TYP.
  - REFER TO DETAIL 8/S9 FOR BASE PLATE TYPES.



4 EXTERIOR STAIR SECTION  
1:20



6 EXTERIOR STAIR SECTION  
1:20

Revision/Revision	Description/Description	Date/Date
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Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par

Designed by/Concept par SK

DRAWN BY/DESIGNED BY CS

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/Ressources Architecturales et de Directeur d'ingénierie

Client/client

Drawing title/Titre du dessin

**STAIR PLANS / SECTIONS**

Project No./No. du projet

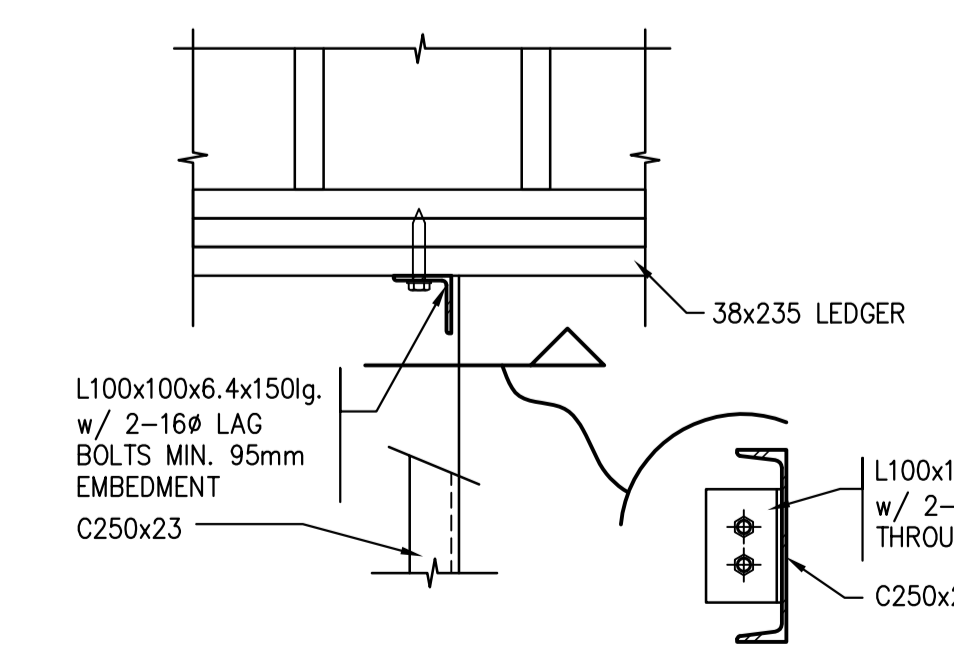
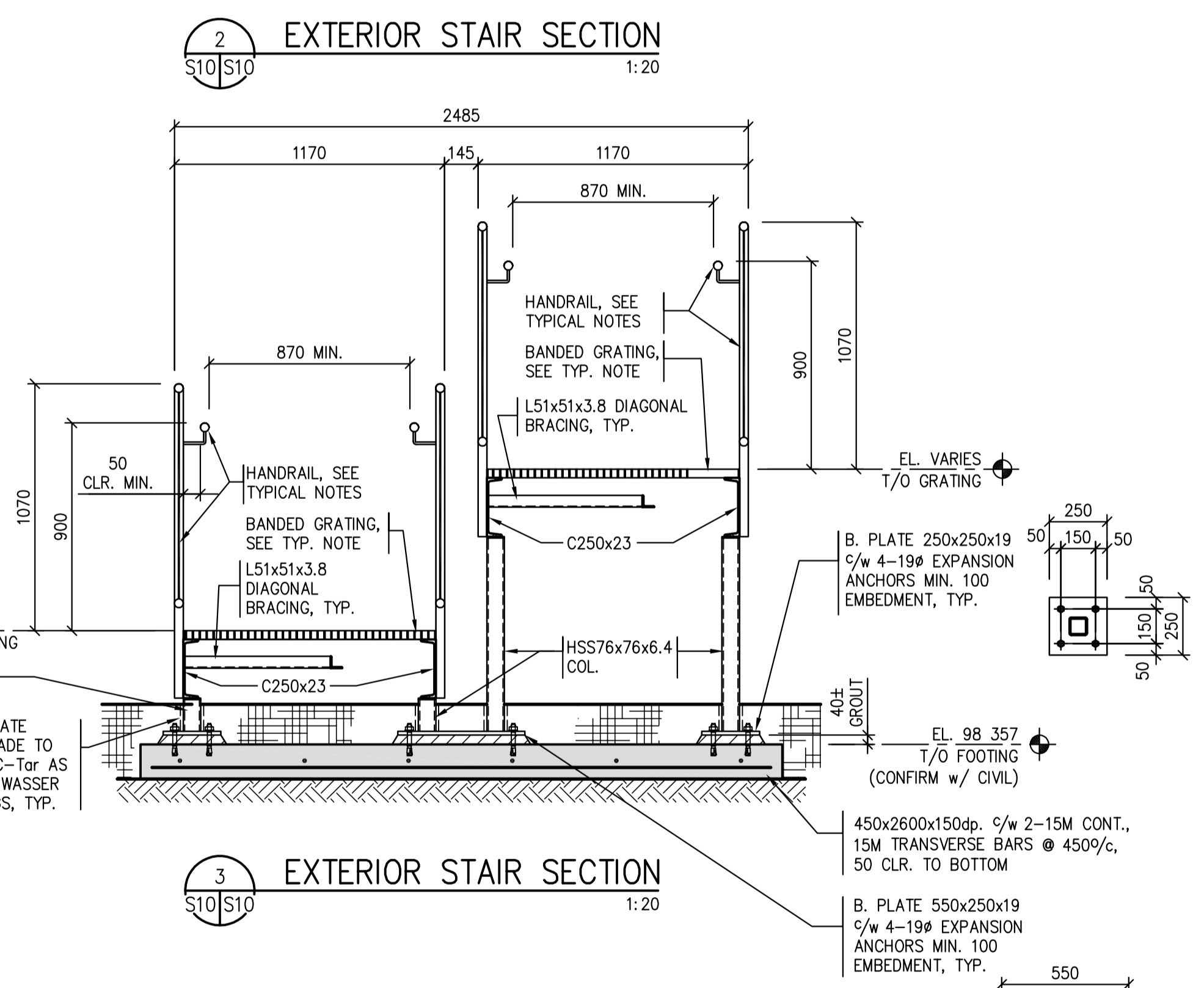
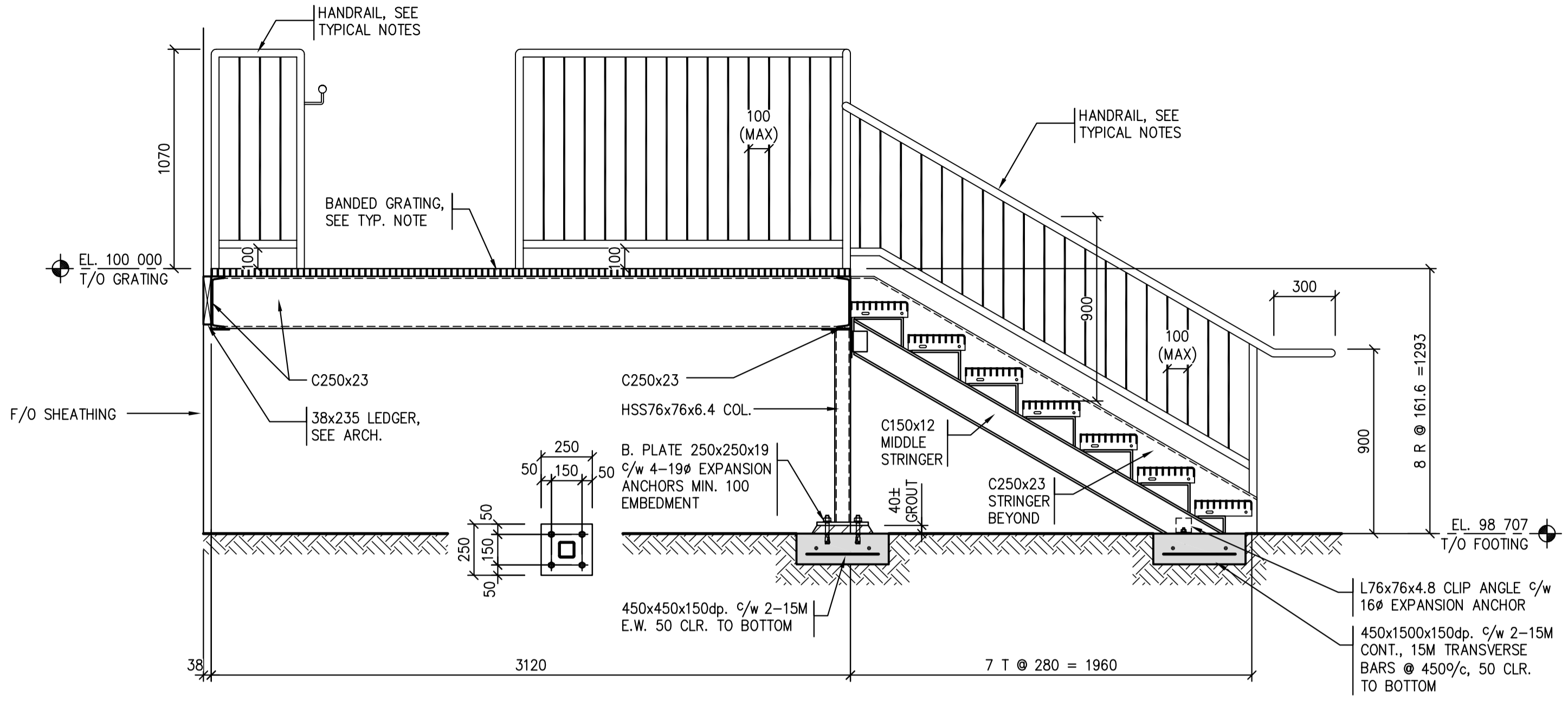
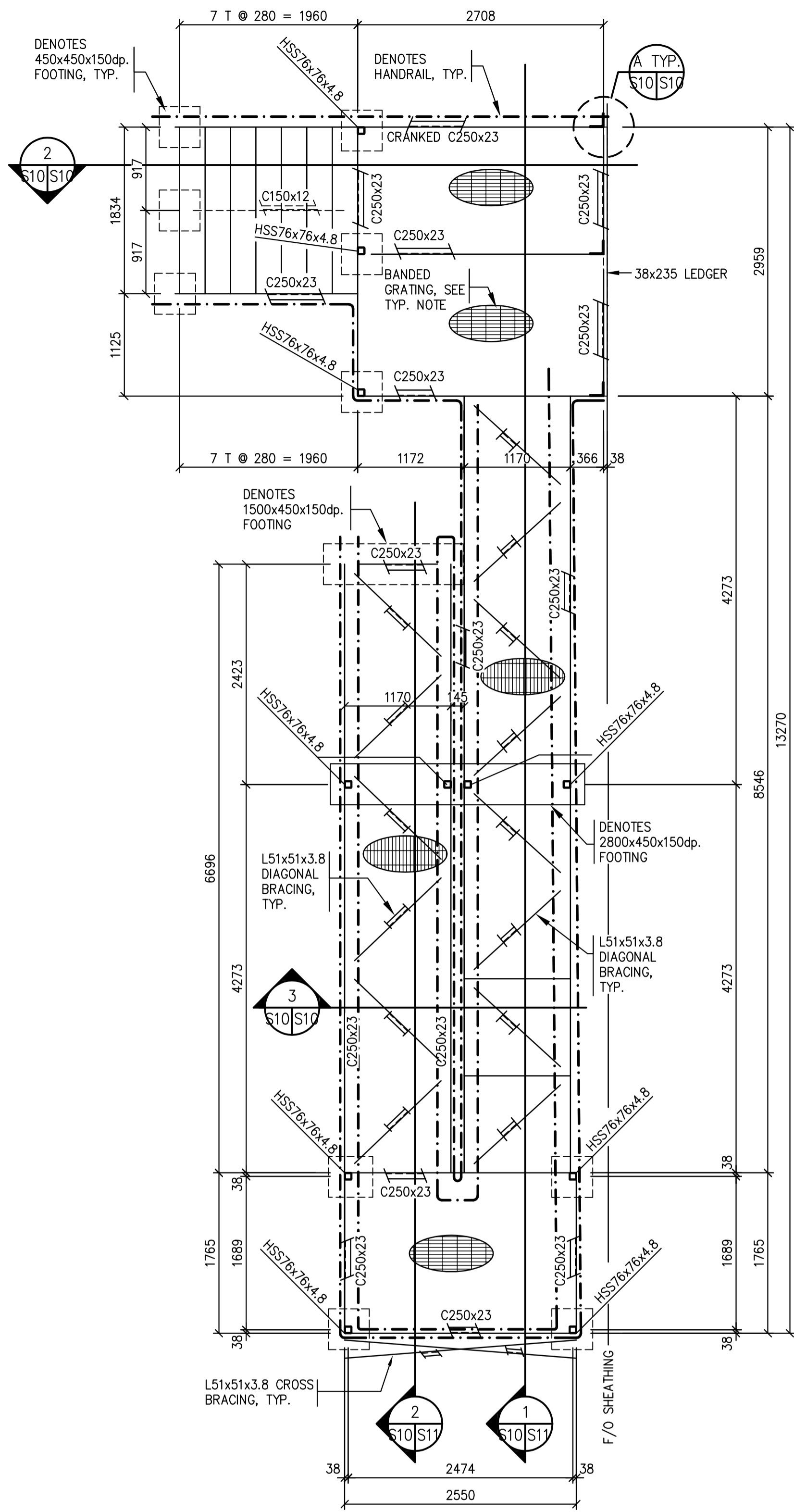
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Sheet/Fauille

S9

Revision no./La Révision no.





Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

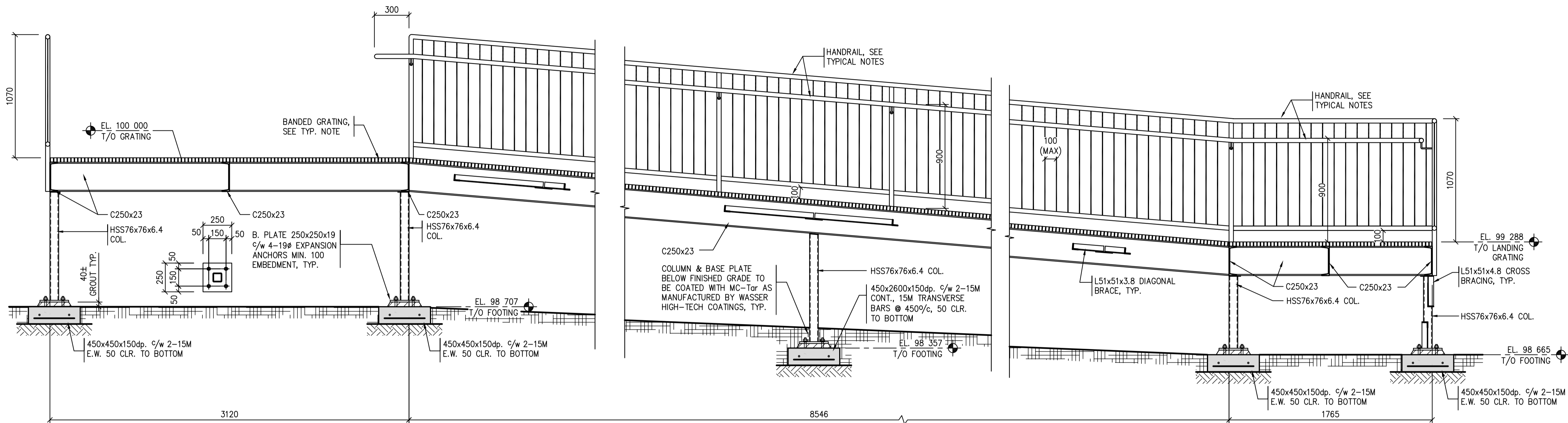
Project title/Titre du projet  
**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par  
SK  
Designed by/Concept par  
CS  
Project Manager/Administrateur de Projets

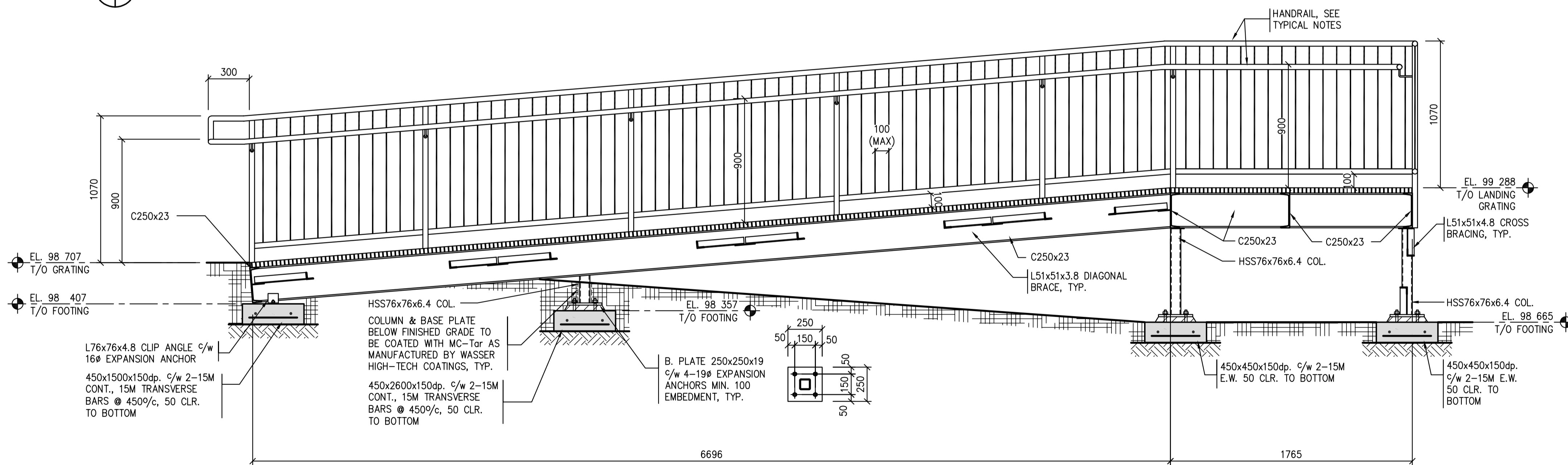
Architectural and Engineering Resources Manager/  
Ressources Architecturales et de Directeur d'Ingénierie

Drawing title/Titre du dessin  
**STAIR PLANS / SECTIONS**



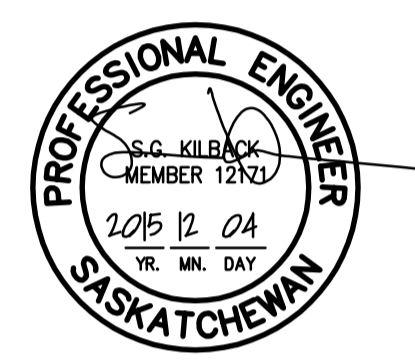


1 EXTERIOR STAIR SECTION  
S10/S11 1:20



2 EXTERIOR STAIR SECTION  
S10/S11 1:20

- STAIR NOTES:**
- ALL STAIR, RAMP AND LANDING STEEL TO BE GALVANIZED.
  - TYPICAL STAIR STRINGER TO BE C250x23 U.N.O. GALVANIZED.
  - HAND AND GUARDRAIL HORIZONTAL MEMBERS TO BE FROM DN38 STD. WALL HSS PIPE. VERTICAL MEMBERS TO BE FROM DN38 STD. WALL PIPE. AT MAX 1500%/c. VERTICAL PICKETS TO BE FROM 10mmØ ROD SPACED AT MAX 100%/c ALL PIPE TO BE 240MPa. ALL MEMBERS TO BE GALVANIZED.
  - ALL CONNECTIONS TO BE BOLTED UNLESS APPROVED.
  - TYPICAL STAIR TREAD TO BE SERRATED GRATING 38x4.8 BEARING BARS TYPE 30-102M c/w ABRASIVE NOSING, GALVANIZED.
  - TYPICAL LANDING AND RAMP GRATING TO BE SERRATED GRATING 25x4.8 BEARING BARS TYPE 18x102M BANDED, GALVANIZED. SEE DETAIL 7/S9 FOR GRATING ANCHORAGE DETAIL, TYP.
  - ANY PENETRATIONS THROUGH THE GRATING FOR DOWN SPOUTS TO BE CUT ON SITE AS REQUIRED.



Association of Professional Engineers & Geoscientists of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
 BROWNLEE BEATON KREKE (REGINA) LTD.  
 NUMBER 525  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE: STRUCTURAL 12171  
 SASK. REG. No. SIGNATURE: SKK

Revision/Description	Date/Date
0 ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet  
**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

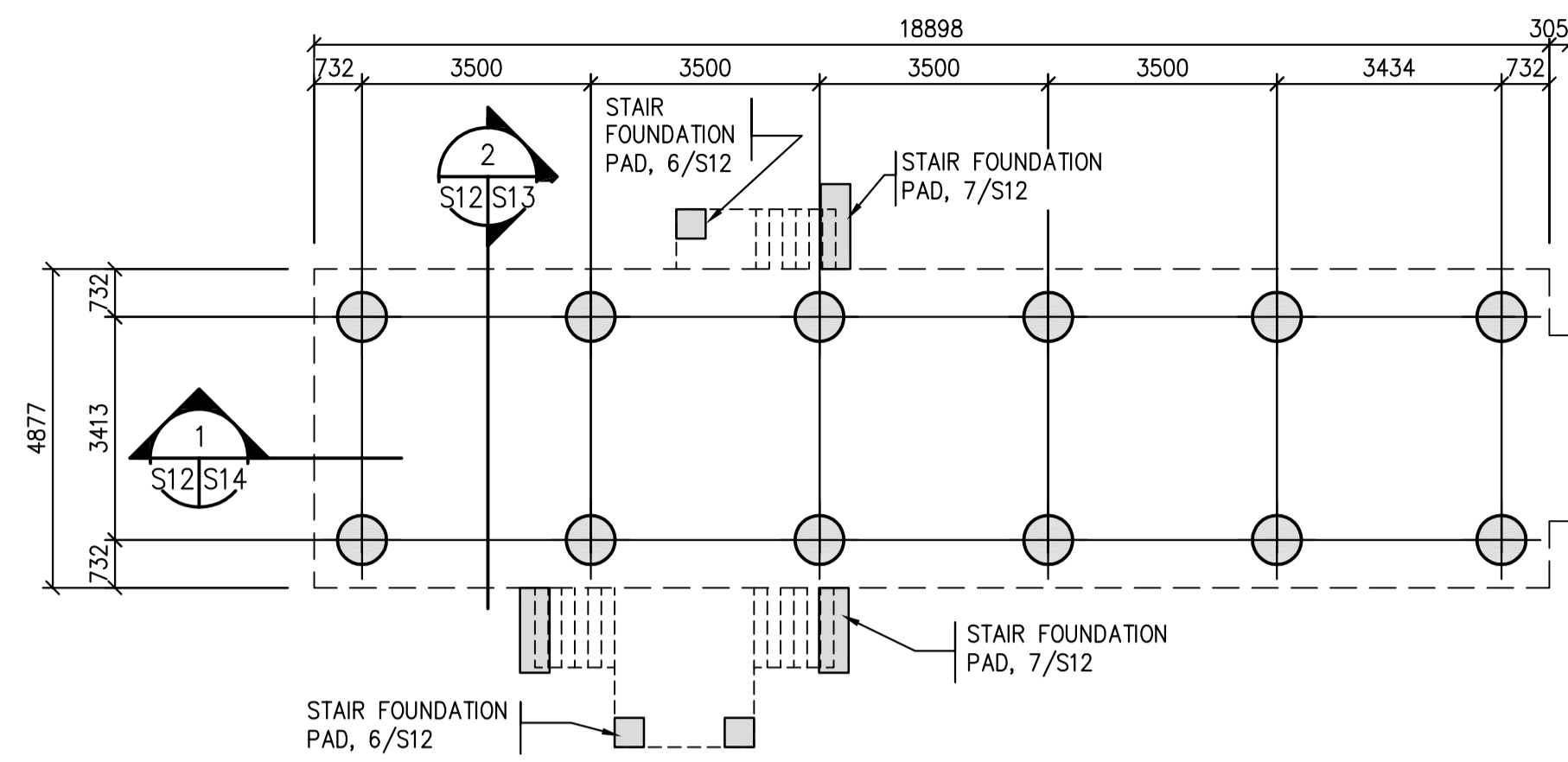
Approved by/Approuvé par  
 Designed by/Concept par: SK  
 Drawn by/Dessiné par: CS  
 Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/  
 Ressources Architectural et de Directeur d'Ingénierie

Drawing title/Titre du dessin  
**STAIR PLANS / SECTIONS**

Project No./No. du projet: S-03-2014  
 Sheet/Fauille: S11  
 Revision no./La Révision no.

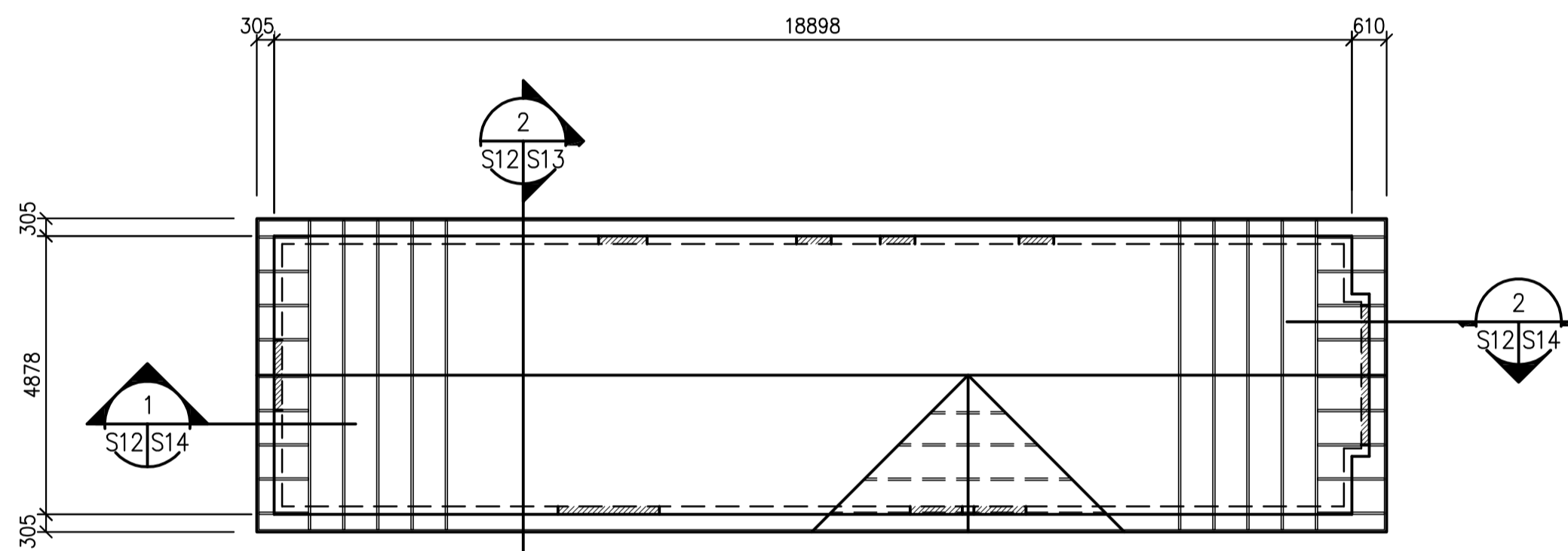




**1 FOUNDATION LAYOUT PLAN**  
S12/S12 - HOUSING UNIT 1:100

**NOTES:**

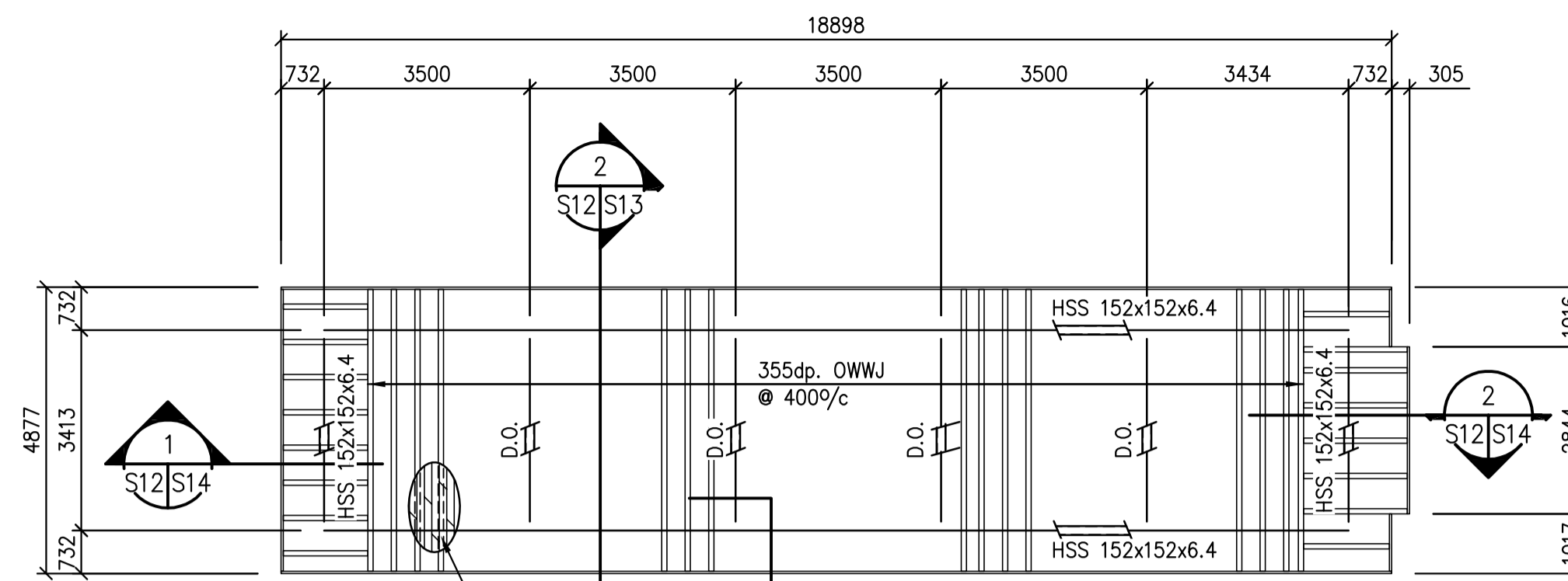
- FOUNDATION DESIGN:
- REFER TO DRAWING DETAILS 1/S13 FOR FOUNDATION DETAILS.



**3 ROOF PLAN**  
S12/S12 - HOUSING UNIT 1:100

**NOTES:**

- ROOF CONSTRUCTION TO BE:  
12mm SHEATHING (NAILED) c/w METAL H-CLIPS  
PRE-ENGINEERED WOOD TRUSSES AS NOTED ON PLAN. (MAX. SPACING 610 o.c.) c/w GALVANIZED METAL HURRICANE TIES AT ALL BEARING POINTS.  
TRUSS DESIGN BY TRUSS SUPPLIER.  
ADJUST NUMBER & SPACING AS REQ'D BY DESIGN. CO-ORDINATE AND ADJUST SPACING OF ROOF TRUSSES TO SUIT MECHANICAL. PROVIDE SOLID BLOCKING AT ALL RIDGES, VALLEYS AND HIPS. ROOF TRUSS BRACING SHOWN IS IN ADDITION TO THE REQUIREMENTS OF THE TRUSS SUPPLIER.
- U/S OF PRE-ENG WOOD TRUSSES @ ELEVATION 102 454 U.N.O.
- ROOF DESIGN NOTES**  
DEAD LOAD = 1.2 kPa  
SNOW LOAD = 1.6 kPa (PLUS BUILT-UP SNOW LOAD AS PER N.B.C.C.)
- ADD NAIL LAMINATED STUD COLUMNS BELOW ALL GIRDER TRUSSES, WIDTH OF COLUMNS TO MATCH TRUSS, MIN. 3 STUDS.
- SHEATH PRIMARY ROOF TRUSSES PRIOR TO INSTALLING ROOF JACKS.
- FOR WALL OPENING FRAMING BELOW, REFER TO TYPICAL LINTEL SCHEDULE.

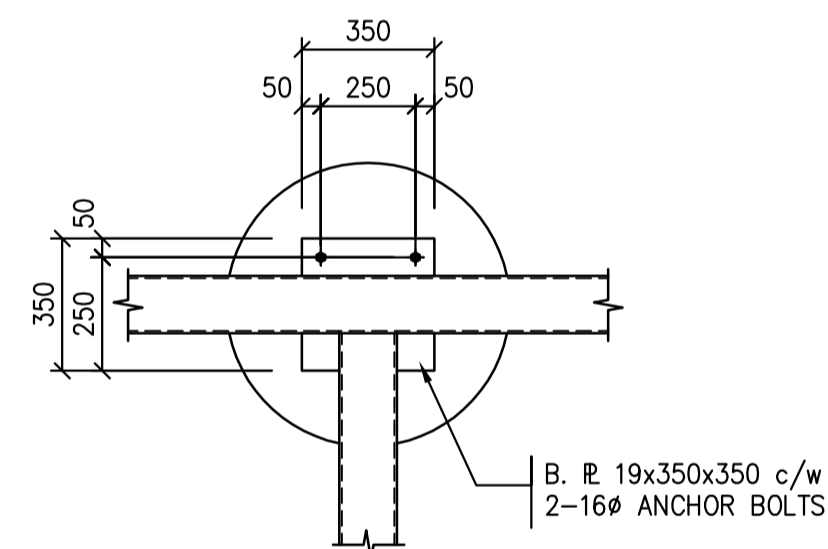


**2 MAIN FLOOR PLAN**  
S12/S12 - HOUSING UNIT 1:100

**NOTES APPLY TO PLANS 3-9/S2:**

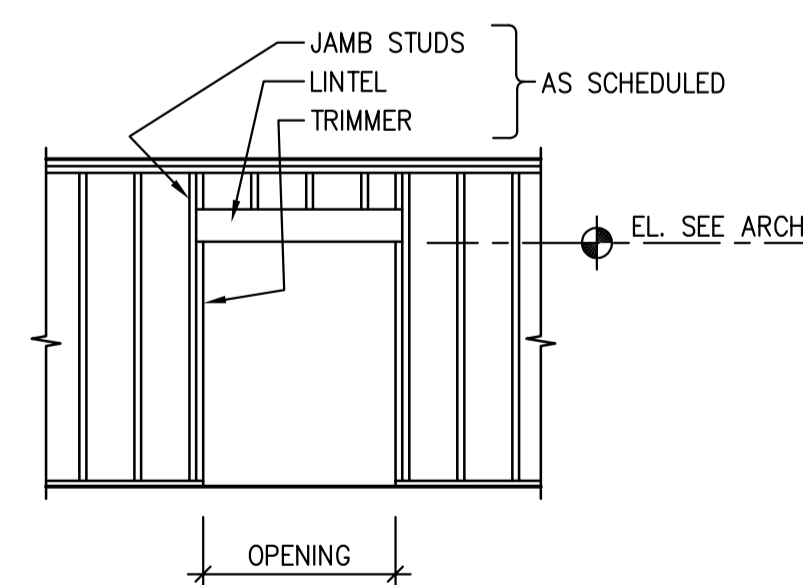
- FLOOR CONSTRUCTION TO BE:  
13mm T&G SHEATHING (GLUED AND NAILED)  
19mm T&G SHEATHING (GLUED AND NAILED)  
38x184 FLOOR JOISTS AS NOTED ON PLAN. (MAX. SPACING 400 o.c.)  
CO-ORDINATE AND ADJUST SPACING OF O.W.W.J. TO SUIT ALL NON-MOVEABLE PLUMBING FIXTURE DRAIN AND STACK LOCATIONS. (ie. WATER CLOSETS, TUBS, ETC.)
- T/O MAIN FLOOR SUBFLOOR @ ELEVATION 100 000
- FLOOR DESIGN LOADS (SUPERIMPOSED)  
LIVE LOAD (SHADED AREAS) = 2.0 kPa  
PARTITION LOAD = 1.0 kPa  
DEAD LOAD = 0.75 kPa

- PROVIDE VERTICAL GRAIN SOLID BLOCKING BELOW ALL B.U. WOOD COLUMNS, SIZE TO MATCH COLUMN.
- WALL CONSTRUCTION TO BE:  
EXTERIOR - 13mm SHEATHING  
38x140 STUDS @ MAX. 400 o.c., SPF#2 OR BETTER  
38x140 BLOCKING @ MAX. 1220 o.c.



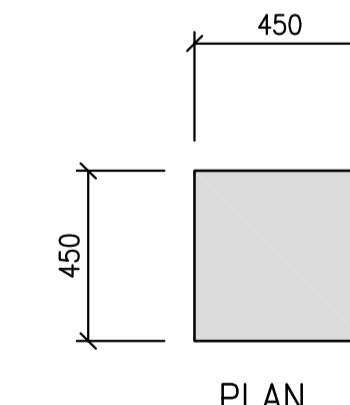
**4 BASE PLATE DETAILS**  
S12/S12 NTS

**4 BASE PLATE DETAILS**  
S12/S12 NTS

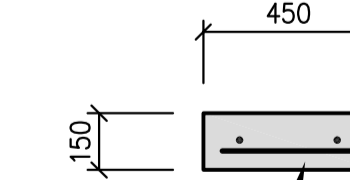


OPENING WIDTH	LINTEL	TRIMMER	JAMB
0 - 1200	2-38x184	1	1
1200 - 1800	2-38x235	1	2
1800 - 2200	3-38x235	1	2

**5 WOOD LINTEL SCHEDULE**  
S12/S12 - HOUSING UNIT (ONLY) NTS  
LINTEL AS PER SCHEDULE UNLESS NOTED OTHERWISE



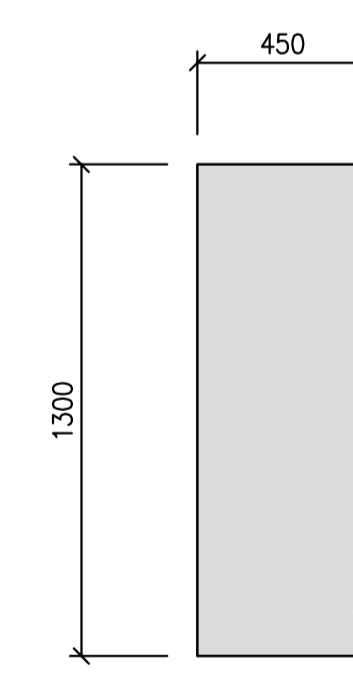
**PLAN**



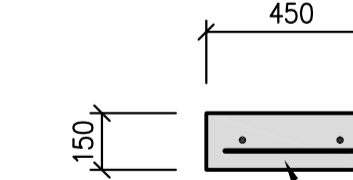
**SECTION**

**6 FOUNDATION FOR STAIR POSTS**  
S12/S12 1:20

- NOTE:**
- FOOTING ELEVATION TO BE SITE CONFIRMED.



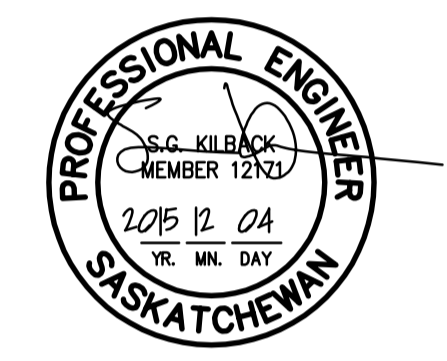
**PLAN**



**SECTION**

**7 FOUNDATION FOR STAIR STRINGER**  
S12/S12 1:20

- NOTE:**
- FOOTING ELEVATION TO BE SITE CONFIRMED.



Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet  
**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

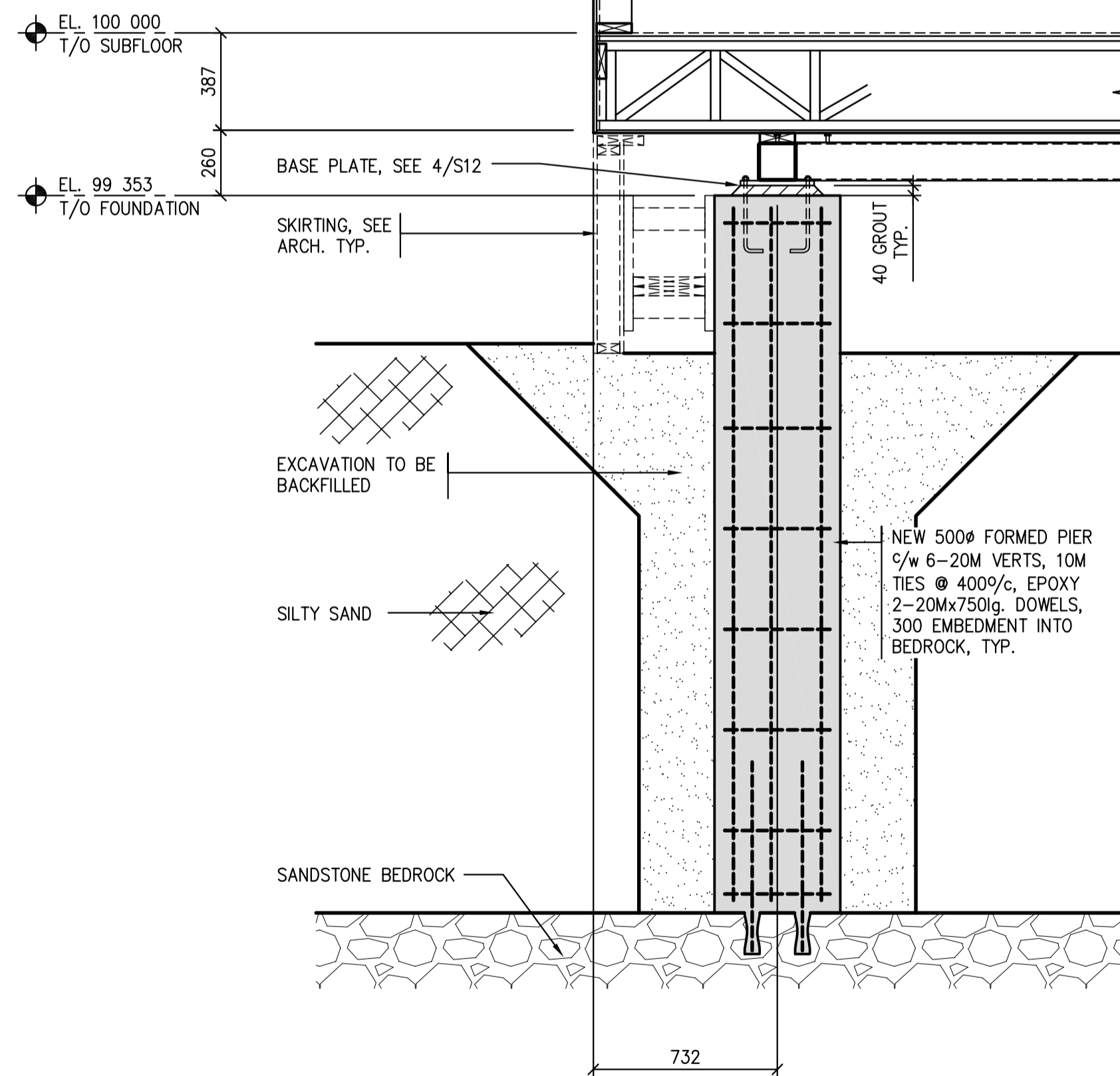
Approved by/Approve par  
Designed by/Concept par  
Drawn by/Dessine par  
Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'Ingénierie  
Client/client

Drawing title/Titre du dessin  
**HOUSING UNIT - PLANS DETAILS**

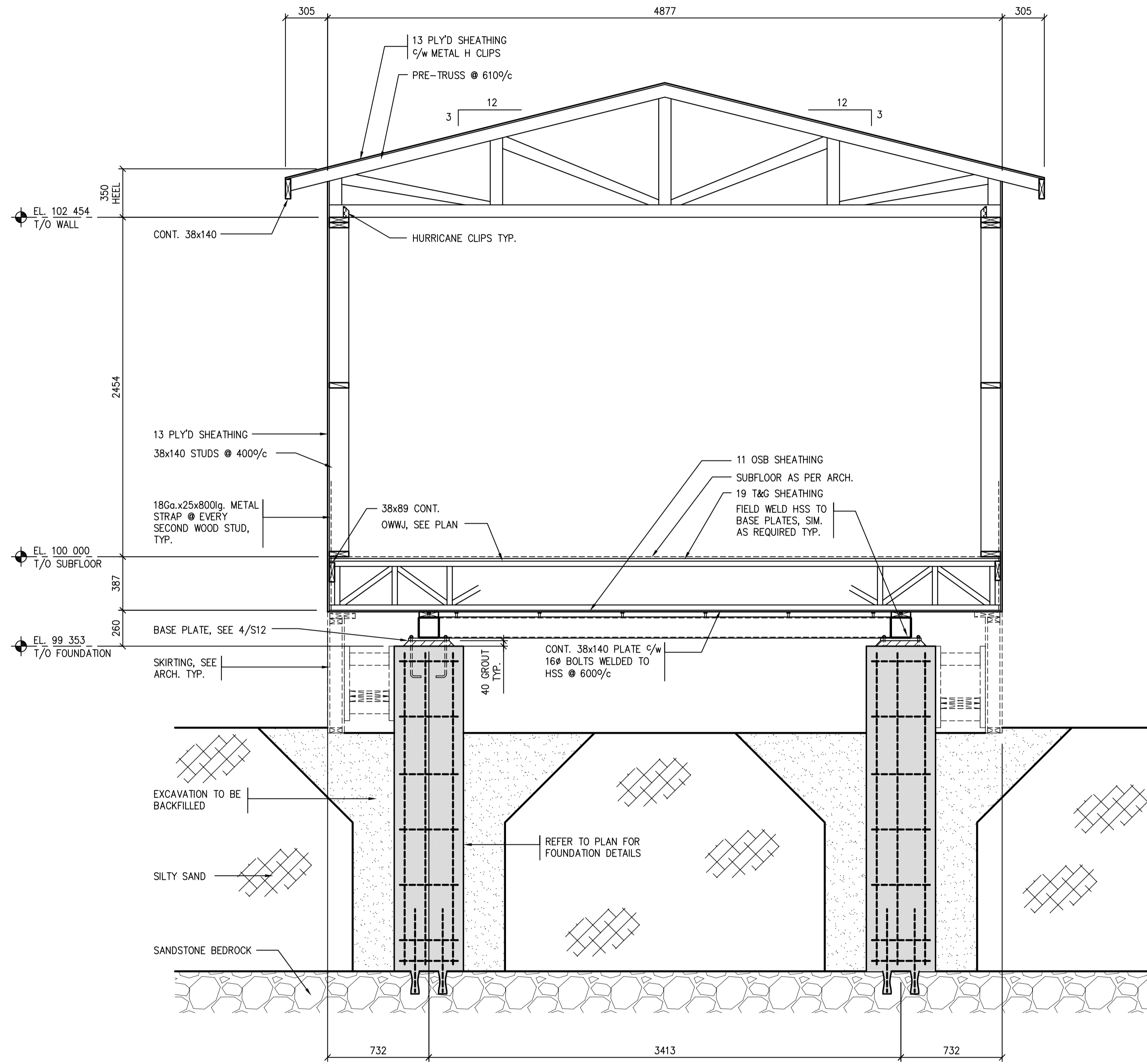
Project No./No. du projet  
**S-03-2014**  
Sheet/Fauille  
**S12**  
Revision no./La Révision no.





1 FOUNDATION DETAIL - TYPE 'A'  
S12/S13 1:20

NOTES:  
1. FOUNDATION TYPE 'A' TO BE USE AT BLACKLAKE HOUSING UNIT SITE ONLY.



2 HOUSING UNIT - SECTION  
S12/S13 1:20



Association of Professional Engineers & Geoscientists of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
 BROWNLEE BEATON KREKE (REGINA) LTD.  
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 SASK. REG. No. SIGNATURE: SKK

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approuve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/  
 Ressources Architectural et de Directeur d'Ingénierie

Client/client

Drawing title/Titre du dessin

**HOUSING UNIT - SECTIONS DETAILS**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
S-03-2014	S13	







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Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING BLACK LAKE, SASKATCHEWAN**

Approved by/Approuvé par

Designed by/Concepté par

Drawn by/Dessiné par

Project Manager/Administrateur de Projets

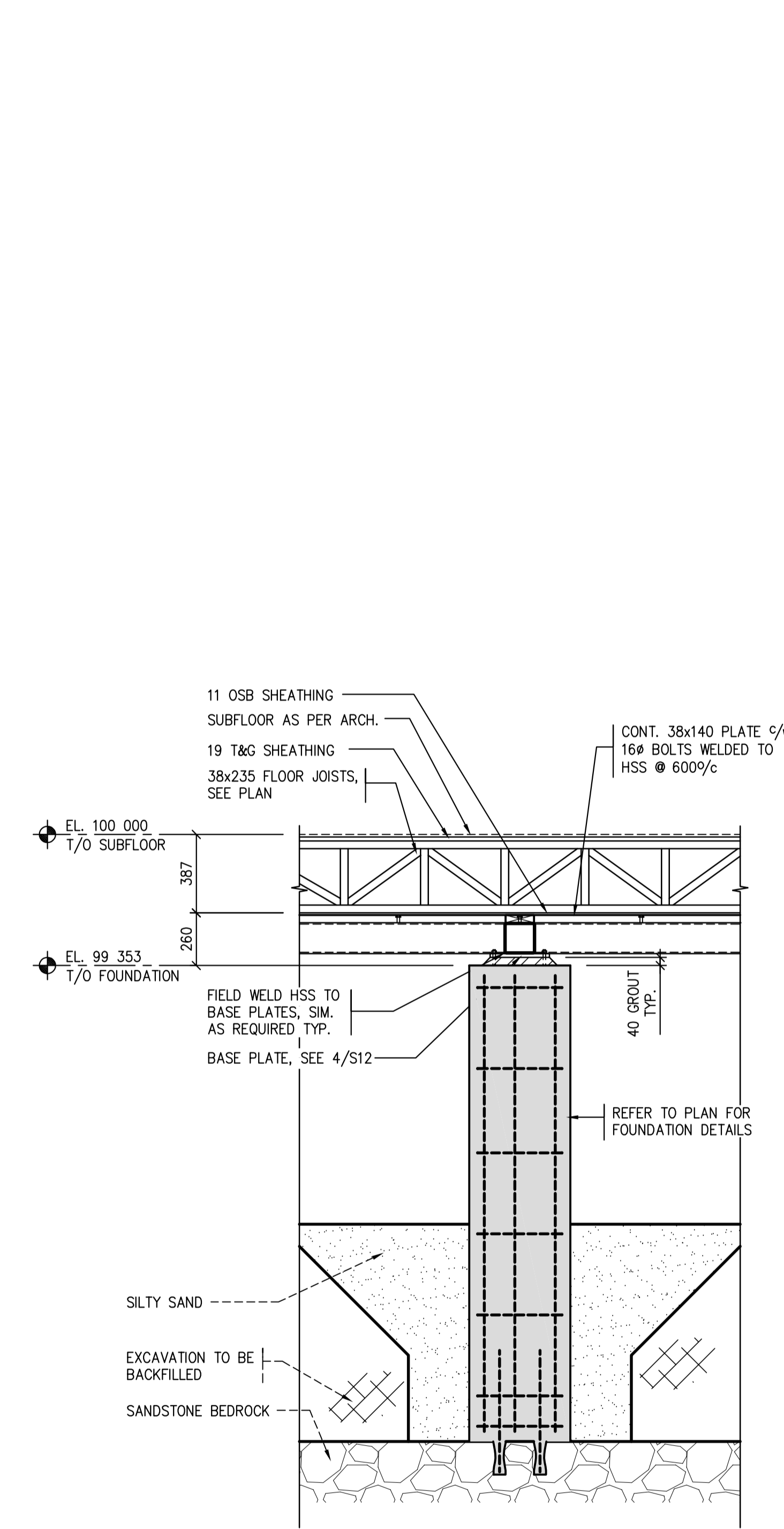
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie

Client/client

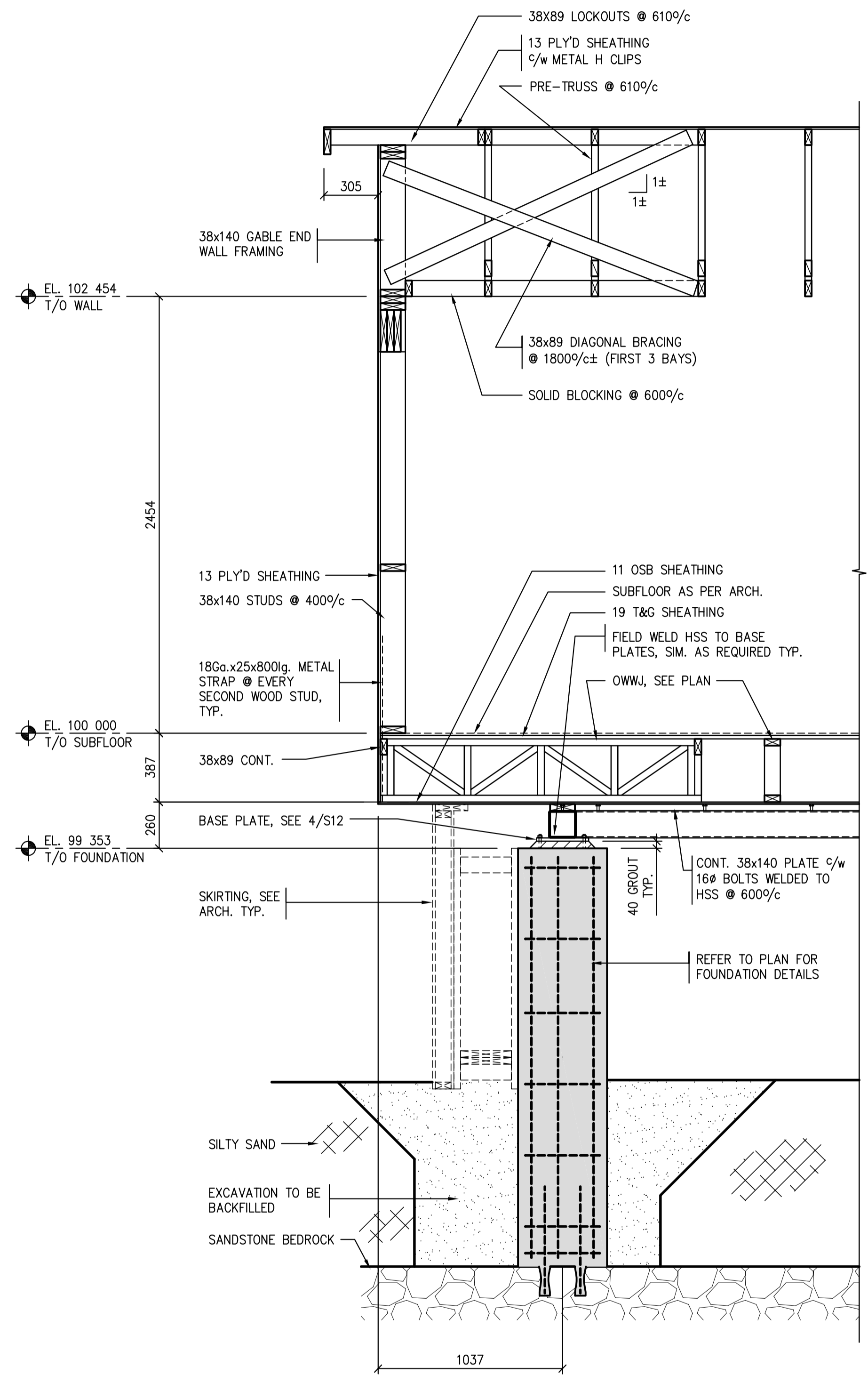
Drawing title/Titre du dessin

**HOUSING UNIT - SECTIONS DETAILS**

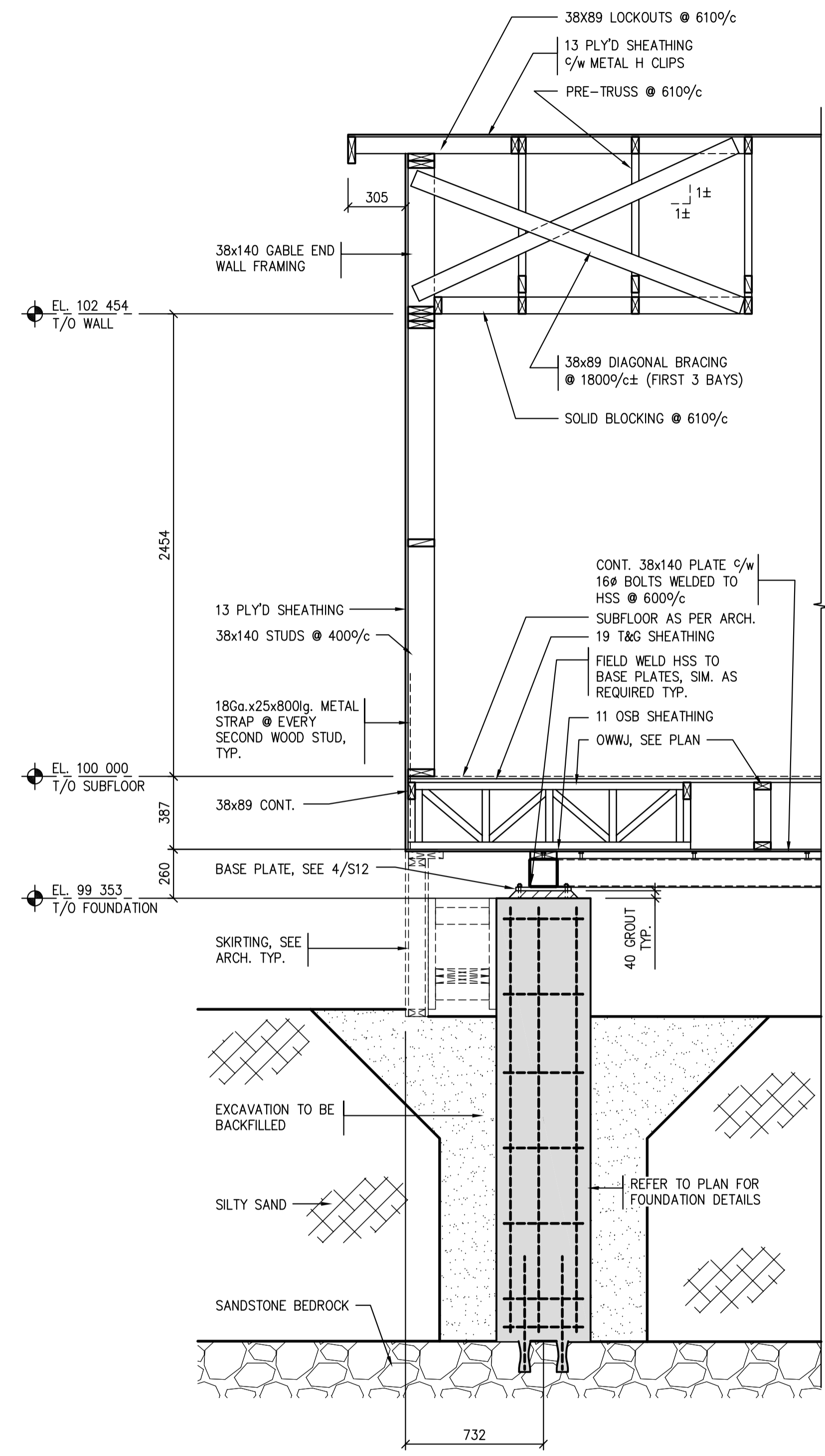
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
S-03-2014	S14	



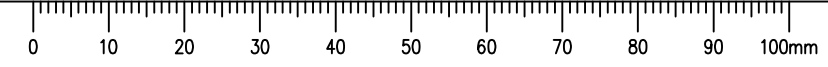
3 HOUSING UNIT - SECTION 1:20



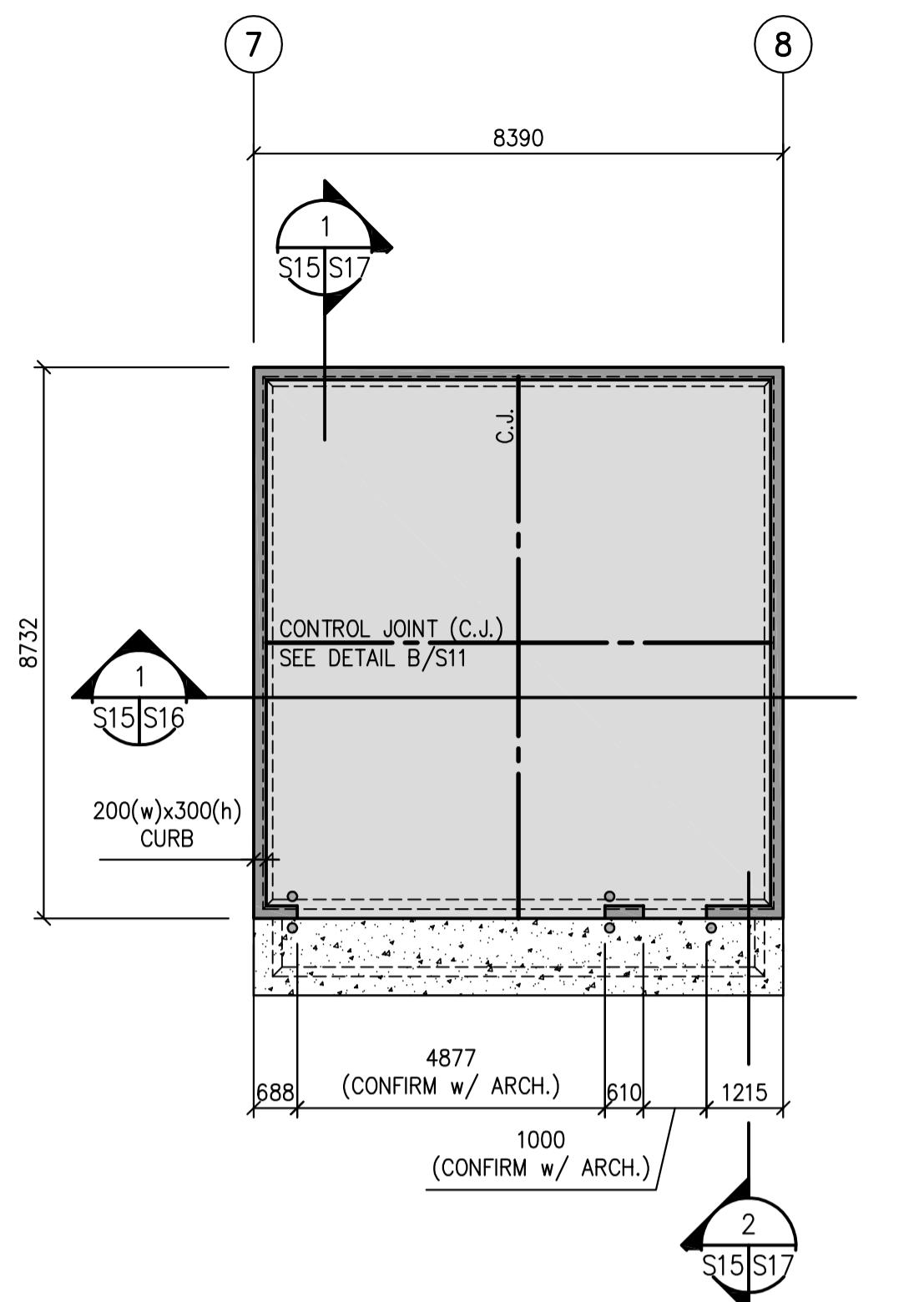
2 HOUSING UNIT - SECTION 1:20



1 HOUSING UNIT - SECTION 1:20



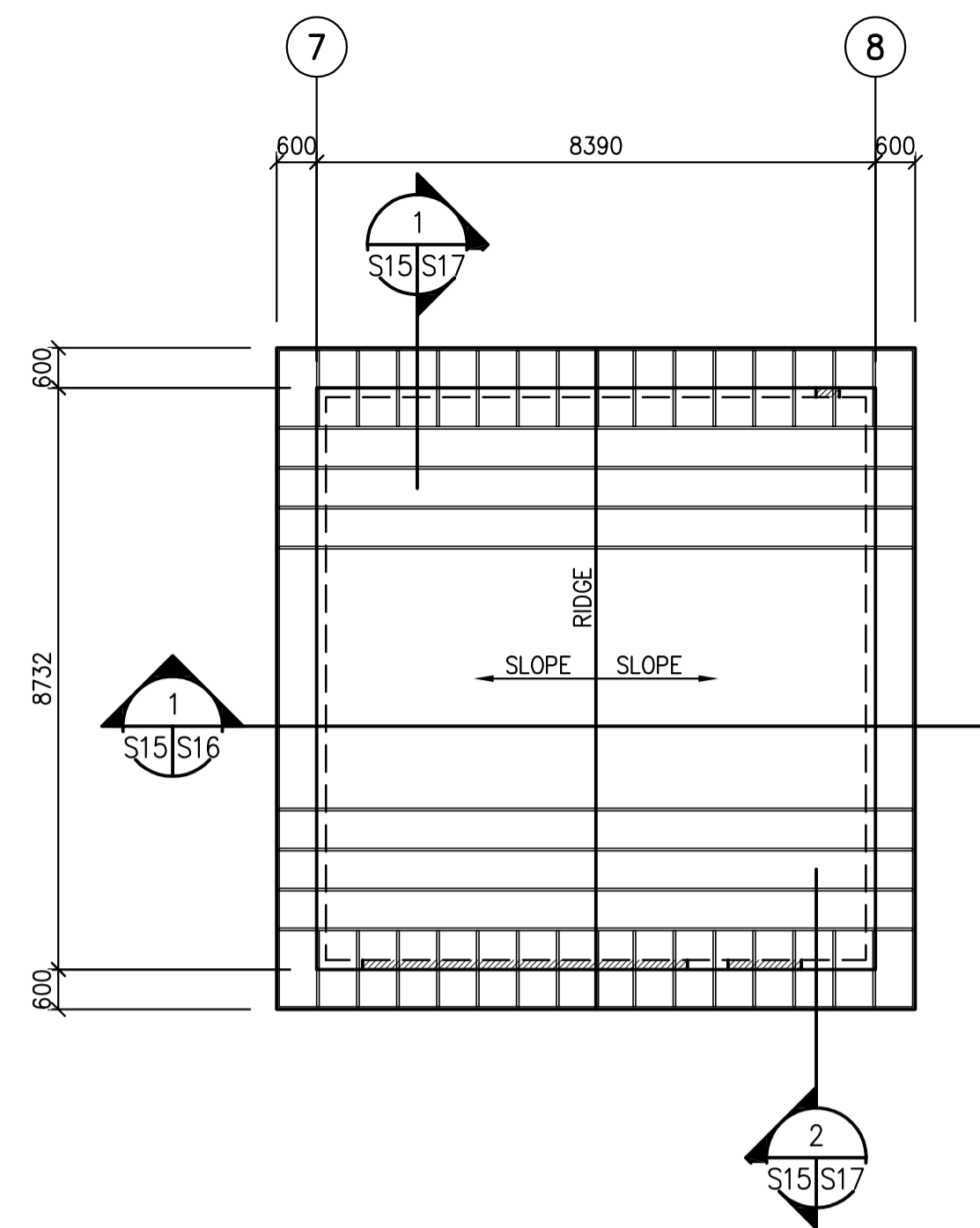




1 FOUNDATION LAYOUT PLAN  
S15/S15 - OUT BUILDING 1:100

NOTES:

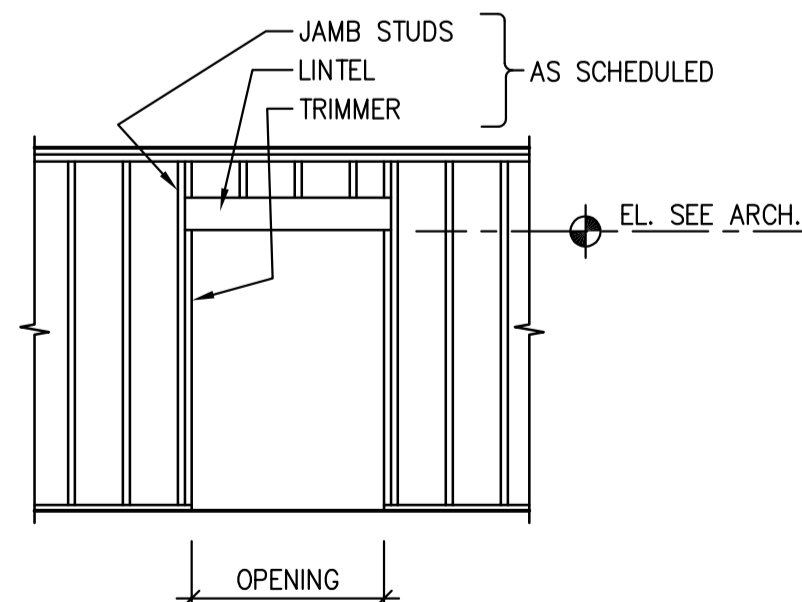
- FLOOR CONSTRUCTION TO BE:  
150 CONCRETE SLAB c/w 10M @ 300 o.c. E.W. MIDDLE  
0.15 POLY VAPOUR BARRIER  
150mm COMPACTED GRANULAR FILL.  
PREPARED SUBGRADE
- T/O MAIN FLOOR CONCRETE @ ELEVATION 99 207, CONFIRM w/ CIVIL.
- INSTALL 3mm x 25mm dp CONTROL JOINTS IN CONCRETE FLOOR SLAB AS INDICATED ON PLAN.  
FILL JOINT WITH SEALANT OVER ETHAFOAM BACKUP ROD.
- WALL CONSTRUCTION TO BE:  
EXTERIOR - 38x140 STUDS @ MAX. 400 o.c., SPF#2 OR BETTER 10mm SHEATHING  
38x140 BLOCKING @ MAX. 1220 o.c. (FOR WALLS OVER 2464mm)
- INSTALL 15x750 lg DOWELS @ 600o.c. TO EXTERIOR FOUNDATIONS WHERE SIDEWALKS OR SLABS ABUT BUILDING. (USE 20M DOWELS WHEN PLACED THRU RIGID INSULATION)



2 ROOF PLAN LAYOUT  
S15/S15 - OUT BUILDING 1:100

NOTES:

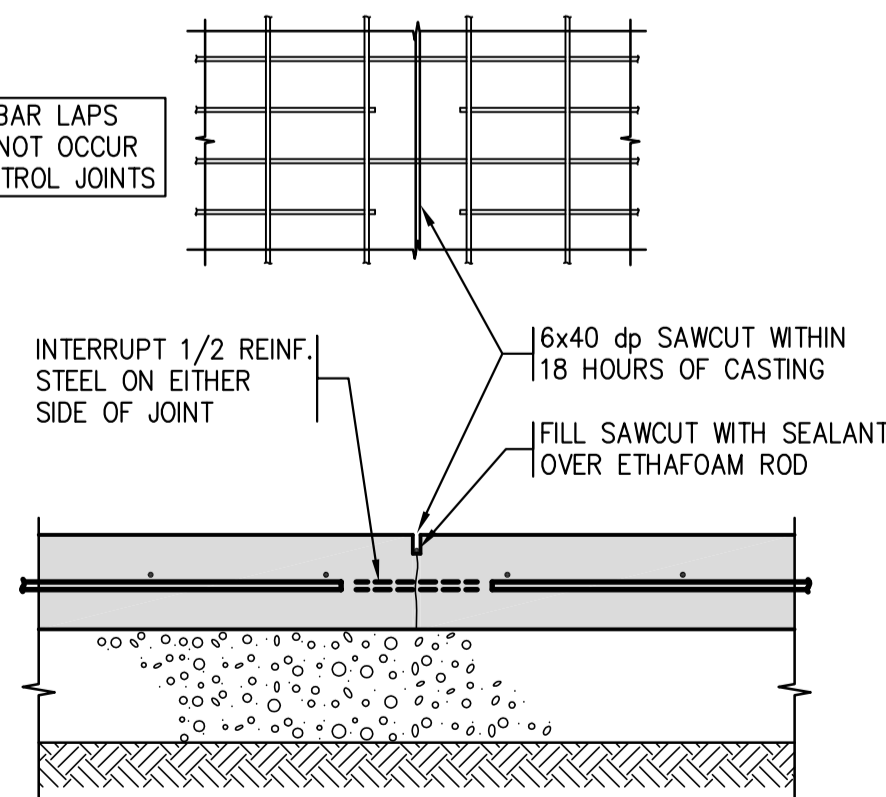
- ROOF CONSTRUCTION TO BE  
19mm SHEATHING c/w METAL H-CLIPS OVER ENGINEERED WOOD ROOF TRUSSES (MAX. SPACING @ 610 o.c.), UNLESS NOTED OTHERWISE.  
PROVIDE BLOCKING AT ALL RIDGES, VALLEYS, AND HIPS. ADJUST NUMBER AND SPACING AS REQUIRED BY DESIGN. TRUSS DESIGN BY TRUSS SUPPLIER.
- ROOF DESIGN NOTES  
DEAD LOAD = 1.2 kPa  
SNOW LOAD = 1.6 kPa (PLUS BUILT-UP SNOW LOAD AS PER N.B.C.C.)
- REFER TO DRAWING S0 FOR LINTEL SCHEDULE. SEE ARCH FOR SIZE AND LOCATION OF ALL WALL OPENINGS.
- ADD NAIL LAMINATED STUD COLUMNS BELOW ALL GIRDER TRUSSES, WIDTH OF COLUMNS TO MATCH TRUSS, MIN. 3 STUDS.



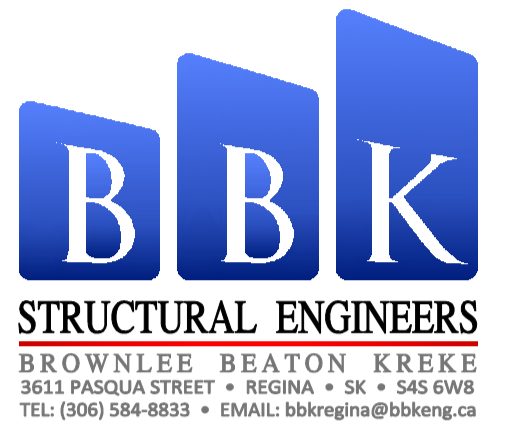
OPENING WIDTH	LINTEL	TRIMMER	JAMB
0 - 1200	2-38x184	1	1
1200 - 1800	2-38x235	1	2
1800 - 2200	3-38x235	1	2

A WOOD LINTEL SCHEDULE  
S15/S15 - OUT BUILDING (ONLY) NTS  
LINTEL AS PER SCHEDULE UNLESS NOTED OTHERWISE

NOTE: BAR LAPS SHALL NOT OCCUR AT CONTROL JOINTS



B CONTROL JOINT  
S15/S15 @ 150 SLAB-ON-GRADE NTS  
- OUT BUILDING (ONLY)



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CERTIFICATE OF AUTHORIZATION  
BROWNLEE BEATON KREKE (REGINA) LTD.  
NUMBER 525  
PERMISSION TO CONSULT HELD BY:  
DISCIPLINE SASK. REG. No. SIGNATURE  
STRUCTURAL 12171 SKK

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING AND EMPLOYEE HOUSING  
BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie

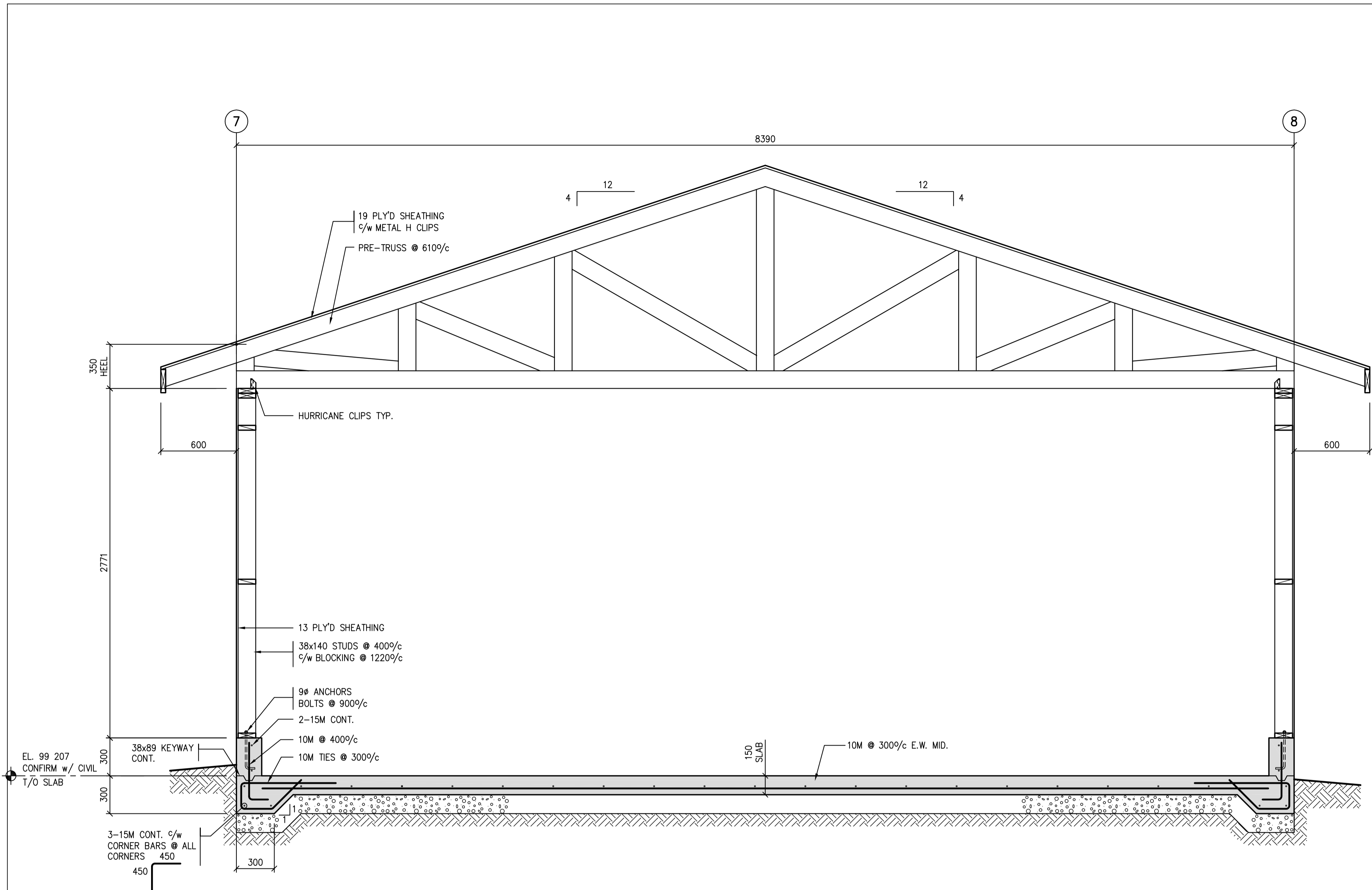
Client/client

Drawing title/Titre du dessin

**OUT BUILDING - PLANS  
DETAILS AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
S-03-2014	S15	





SECTION 1  
S15/S16  
3/4"=1'-0"

**SEPW Architecture Inc.**  
 100-3725 Patricia Drive, Regina, SK, S4S 0B8 ph: (306) 540-2255  
 100-2718 Kinross Place, Saskatoon, SK, S7P 0A6 ph: (306) 452-6457  
 website: www.sepw.ca

**B B K**  
**STRUCTURAL ENGINEERS**  
 BROWNLEE BEATON KREKE  
 3633 PASQUA STREET • REGINA • SK • S4S 0W8  
 TEL: (306) 584-8833 • EMAIL: bbbkregina@bbkreg.ca



Association of Professional Engineers & Geoscientists  
 of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
 BROWNLEE BEATON KREKE (REGINA) LTD.  
 NUMBER 525  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE SASK. REG. No. SIGNATURE  
 STRUCTURAL 12171 SKK

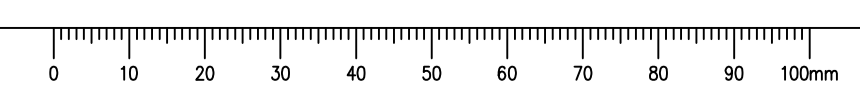
Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet  
**NEW MODULAR POLICE BUILDING  
 AND EMPLOYEE HOUSING  
 BLACK LAKE, SASKATCHEWAN**

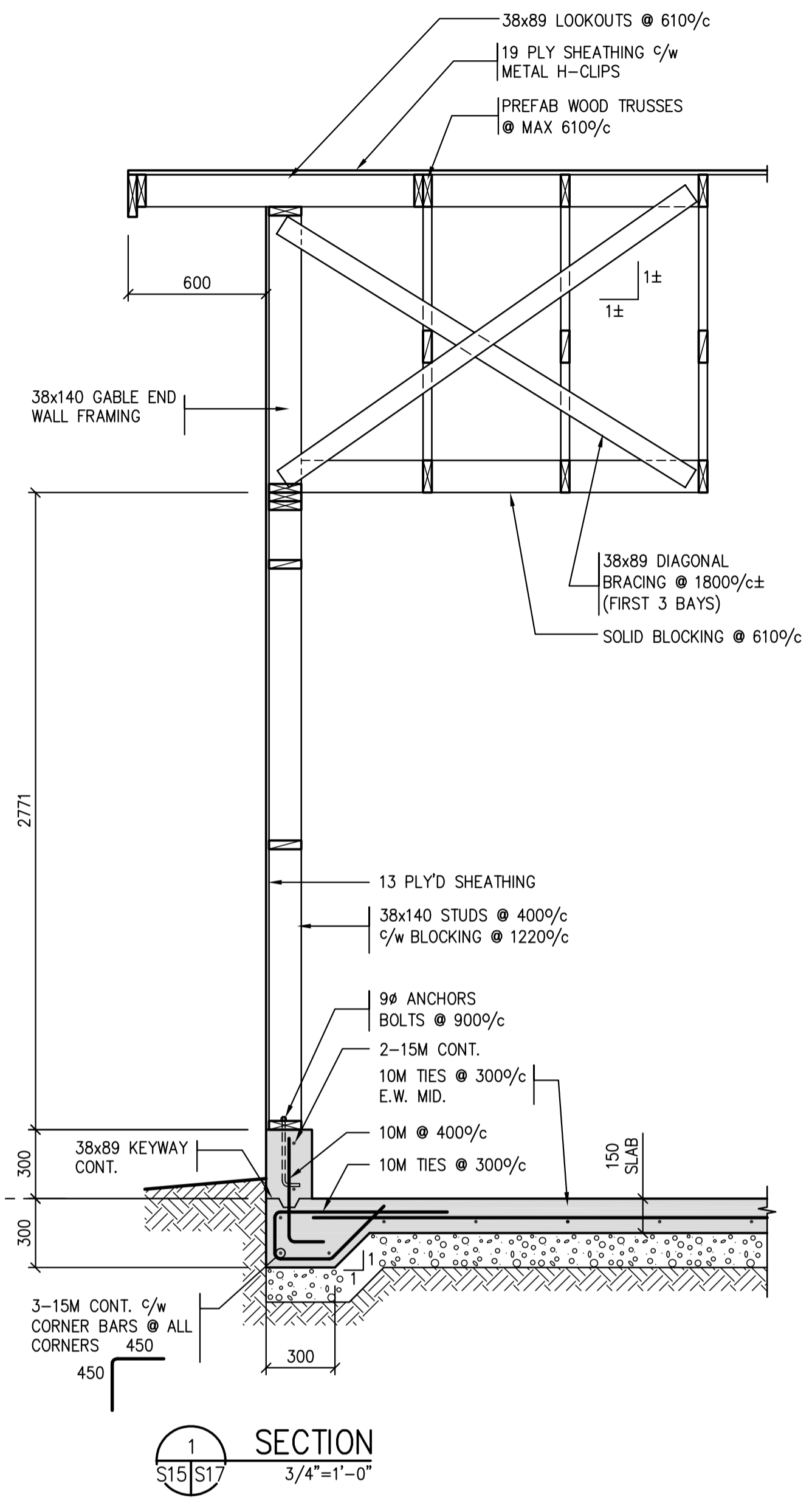
Approved by/Approve par  
 Designed by/Concept par  
 Drawn by/Dessine par  
 Project Manager/Administrateur de Projets  
 Architectural and Engineering Resources Manager/  
 Ressources Architectural et de Directeur d'ingénierie

Client/client  
 Drawing title/Titre du dessin  
**OUT BUILDINGS - SECTION**

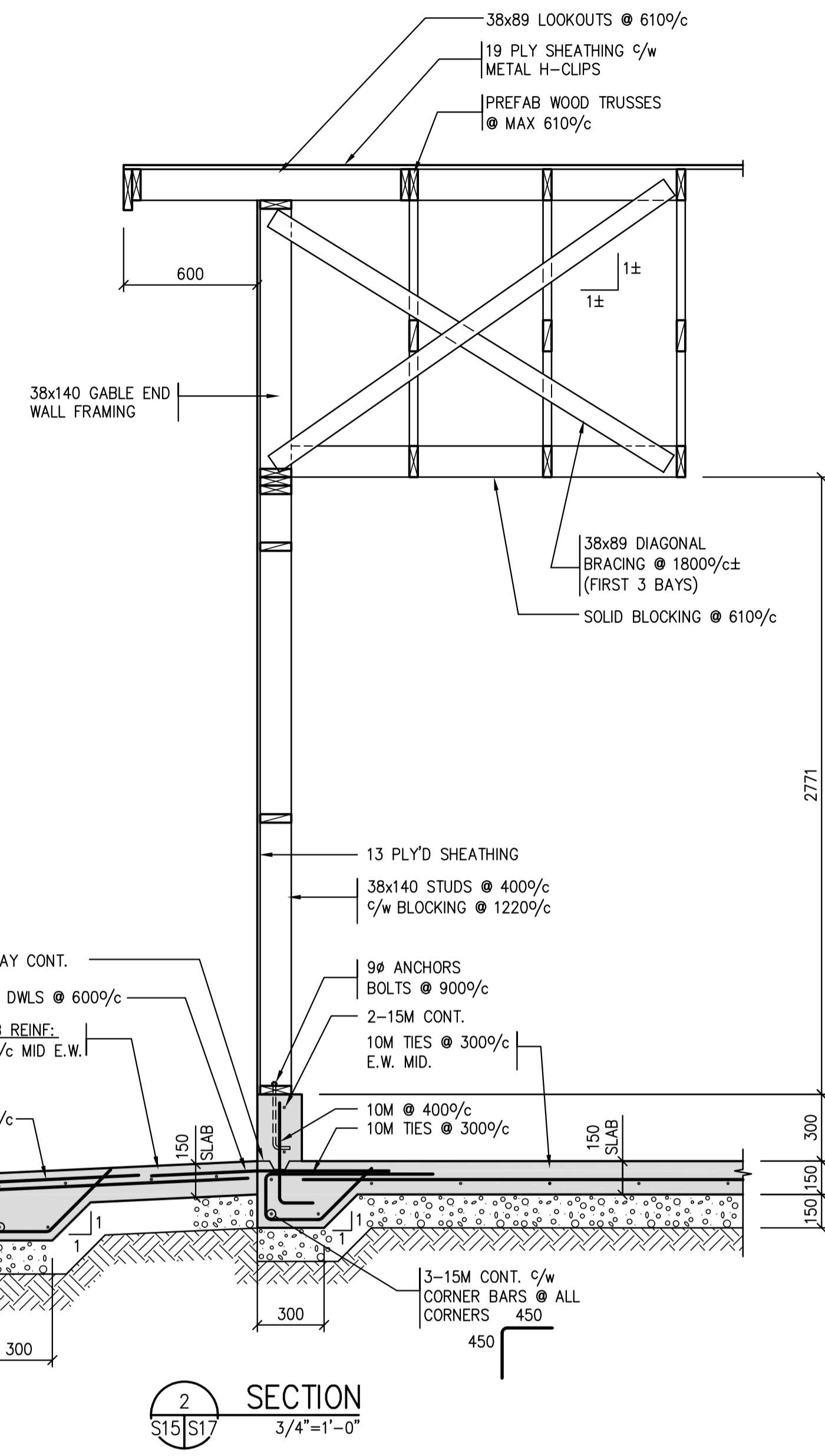
Project No./No. du projet <b>S-03-2014</b>	Sheet/Feuille <b>S16</b>	Revision no./La Révision no.
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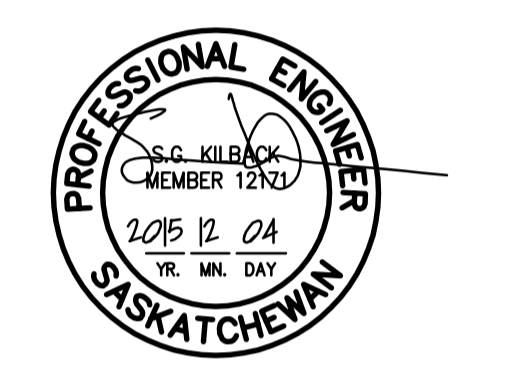




1 SECTION  
3/4"=1'-0"



2 SECTION  
3/4"=1'-0"



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 of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
 BROWNLEE BEATON KREKE (REGINA) LTD.  
 NUMBER 525  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE: STRUCTURAL 12171 SIGNATURE: SKK

0	ISSUED FOR TENDER	2015/12/04
Revision/	Description/Description	Date/Date

Client/client

Project title/Titre du projet

**NEW MODULAR POLICE BUILDING  
 AND EMPLOYEE HOUSING  
 BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets

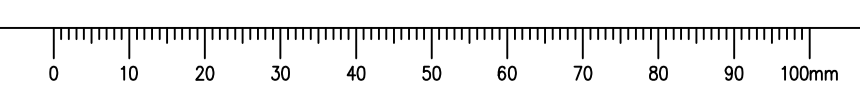
Architectural and Engineering Resources Manager/  
 Ressources Architectural et de Directeur d'ingénierie

Client/client

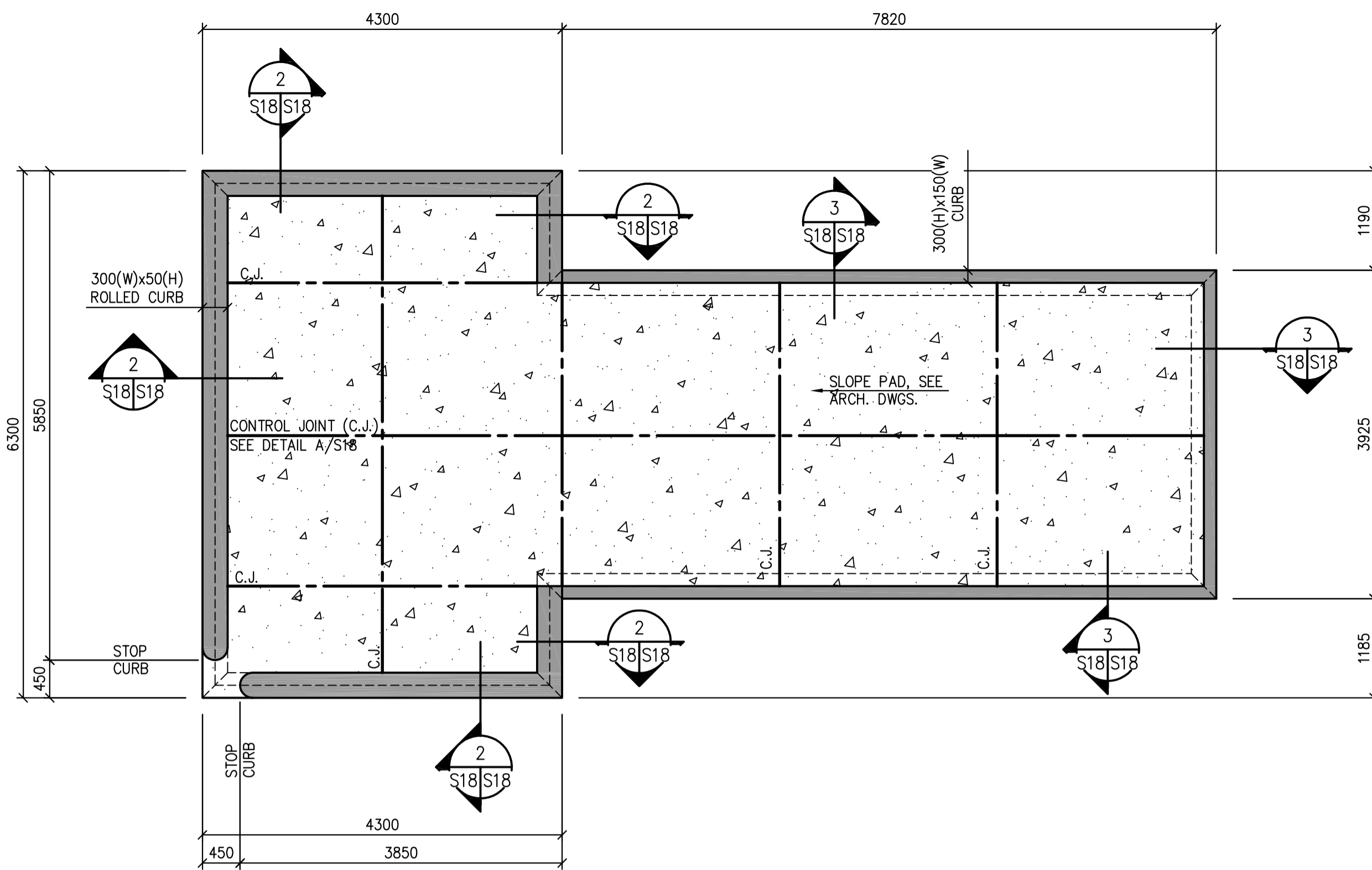
Drawing title/Titre du dessin

**OUT BUILDINGS - SECTION**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
S-03-2014	S17	



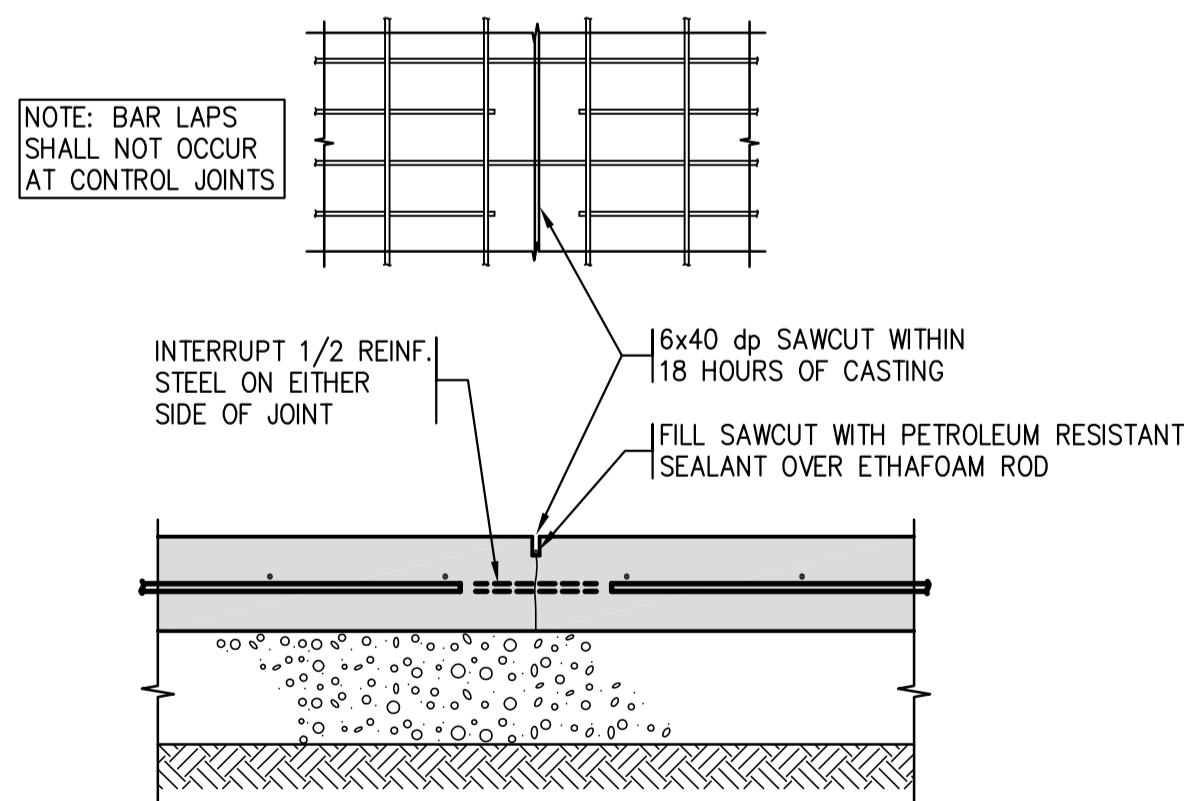




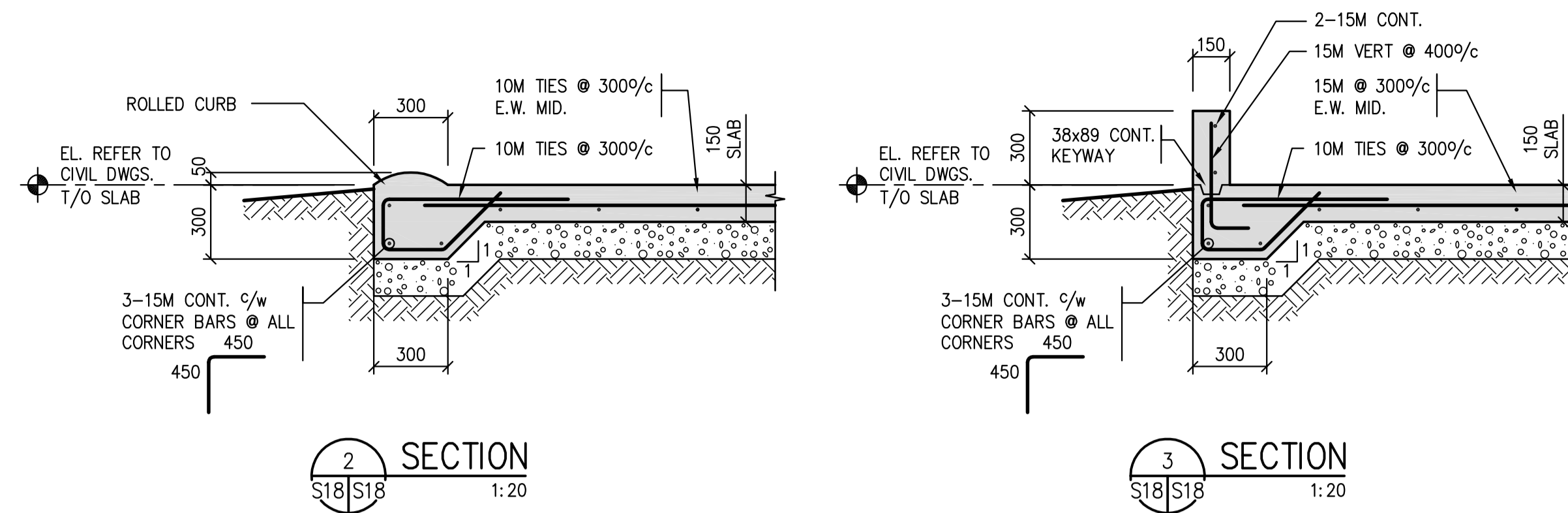
1 GAS TANK ENCLOSURE PLAN  
S18/S18 1:50

NOTES:

- FLOOR CONSTRUCTION TO BE:  
150 CONCRETE SLAB c/w 10M @ 300 o.c. E.W. MIDDLE  
0.15 POLY VAPOUR BARRIER  
150mm COMPACTED GRANULAR FILL  
PREPARED SUBGRADE
- T/O CONCRETE PAD @ ELEVATION REFER TO CIVIL DRAWINGS.
- INSTALL 3mm x 25mm dp CONTROL JOINTS IN CONCRETE FLOOR SLAB AS INDICATED ON PLAN.  
FILL JOINT WITH SEALANT OVER ETHAFOAM BACKUP ROD.

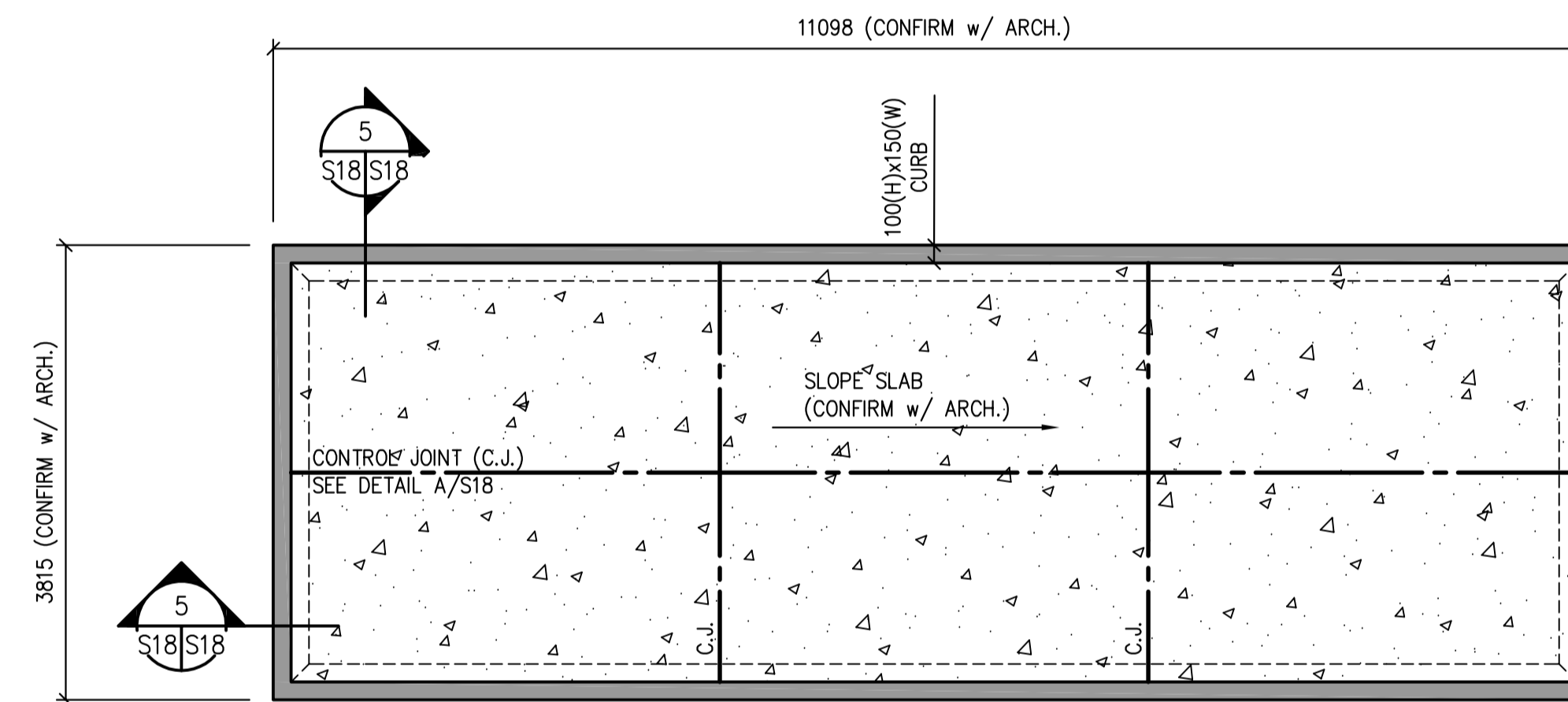


A CONTROL JOINT  
S18/S18 @ 150 SLAB-ON-GRADE NTS  
- GAS ENCLOSURE SLAB (ONLY)



2 SECTION  
S18/S18 1:20

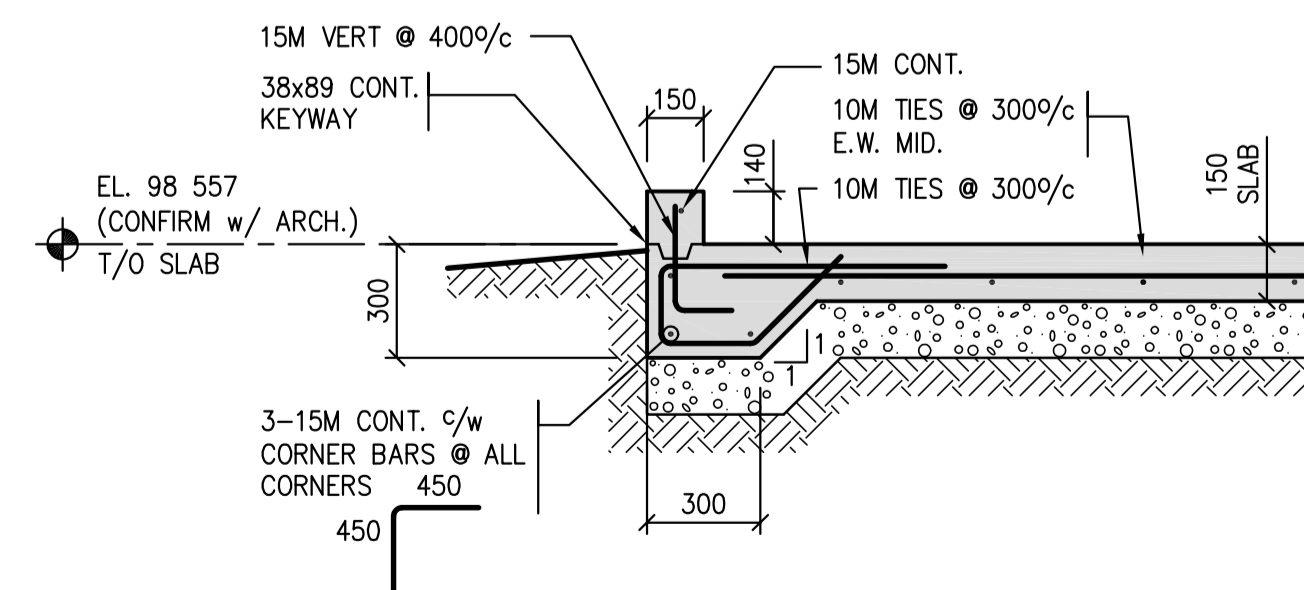
3 SECTION  
S18/S18 1:20



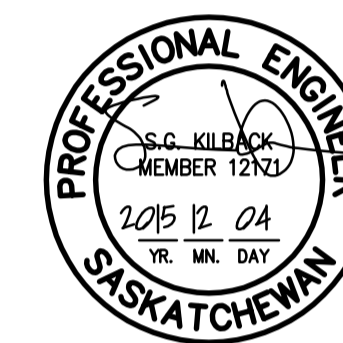
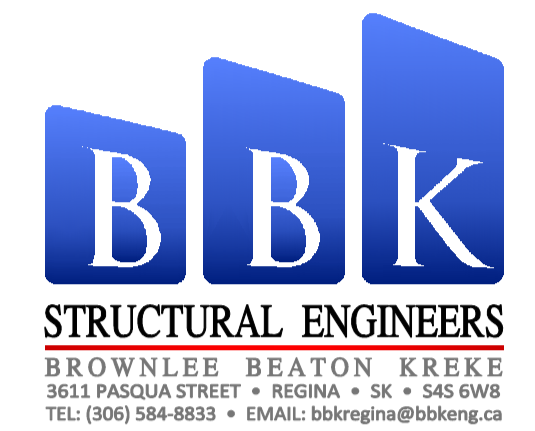
4 GENERATOR PAD  
S18/S18 1:50

NOTES:

- CONFIRM LOCATION & SIZE OF CONCRETE PAD WITH ARCH. DWGS.



5 SECTION  
S18/S18 1:20



Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	2015/12/04

Project title/Titre du projet

**NEW MODULAR RCMP BUILDING  
AND EMPLOYEE HOUSING  
BLACK LAKE, SASKATCHEWAN**

Approved by/Approve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie

Client/client

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**GAS ENCLOSURE PLAN  
GENERATOR PAD  
DETAILS AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
S-03-2014	S18	