

FOUNDATION PLAN - ARENA

3/32 = 1'-0"

NOTE: - ALL 28 DRAFTS HAND BELLED & KEYED INTO HARDPAN
- ALL OTHERS MECHANICALLY BELLED (SPREADBORE) ON HARDPAN.
- ALL PILES 18" Ø TO RUFUSAL EXCEPT SPREADBORE PILES
& CAISSENS AS NOTED
- ELEVATION TOP OF CAISSON CAP & SPREADBORE PILES 769-0 EXCEPT AS NOTED
- ELEVATION TOP OF 18" Ø PILES 769 5/8 EXCEPT AS NOTED

GENERAL NOTES:

- A. CONCRETE

 - 1) CONCRETE STRENGTH AT 28 DAYS:
 - A) PILES & JACKSON PARTS - 2500 PSI KALICRETE
 - B) PILE CAPS & JACKSON PARTS - 3000 PSI KALICRETE
 - C) SLABS, BEAMS, AND WALLS - 3000 PSI.
 - D) COLS 3000 PSI & 4000 PSI (SEE SCHEDULE)
 - E) PRECAST CONC. - ROAD DECKERS 5000 PSI
 - WALL PANELS 3000 PSI.
 - SEATING 4000 PSI.
 - F) TROWING SLABS - 3000 PSI SEE SPECIFICATION

2. MAX AGGREGATE SIZE SLABS, JOISTS, & PRECAST 3/4
ELSEWHERE 1 1/2

- 2 MAX DEPTH 2'-0" IN POOL WALLS & FLOOR
3-4 OTHER SLANT BEAMS & WALLS
5 PILER, CAISSON SHAFTS & COLUMNS

4 PROVIDE MASONRY ANCHORS @ 24 1/2" X 24" & WALLS WHERE
MASONRY ABUTS.
SEE SPECIFICATIONS FOR CONCRETE ADDITIVES IN POOL & TOPPING
100% SLAG IN POOL & 50% IN TOPPING

5. CONCRETE CONTRACTOR TO USE CLOTHING MEMBRANE ON FORM FOR FORMWORK IN POOL WALLS TO BE KEPT IN PLACE 17 DAYS AFTER FORM REMOVAL.

- ~~ALL REINFORCING STEEL IS UNCOATED~~
ALL REINFORCING STEEL IS UNCOATED
INTERMEDIATE GRADE DEFORMED BARS RETAILED
TO CURRENT ACI STANDARD EXCEPT AS NOTED

- B) INSIDE FACE WALLS 1"
 - C) COL'S & BEAMS 1 1/2"
 - D) OUTSIDE FACE WALLS & GRADE BM SIDES 2"
 - E) WALL & GRADE BM BOT STEEL, CAISONS & PILES 3"

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- THIS IS FOR THE FOUNDATION SUB CONTRACTORS INFORMATION ONLY
HE SHALL SATISFY HIMSELF AS TO THE CONDITIONS PREVAILING. NO
EXTRAS WILL BE ALLOWED SHOULD CONDITIONS DIFFER FROM THOSE
INDICATED HERE

5. ENSURE HANDBAR STEEL IN WALLS & GRADE BARS ARE AROUND CORNERS
OR TURNS & EXTRA CORNER BARS
PROVIDE CAGE AROUND ALL OPENINGS EXCEPT AS NOTED
LAST GRADE RUMPS WALL MAN STEEL AT MIDSPAN FOR TOP BARS
& AT BUMPS LET'S FOR BOT STEEL.
MAN. REINFORCING STRUCTURAL SLAB, PIT WALL & PLATE "A" & "B" BW
EXCEPT AS NOTED.

- 4 HOLES FOR MECHANICAL TO BE LOCATED BY MECHANICAL SUB-
TRACTOR IN FIELD.
TRIM ALL OPENINGS OVER 2'-0" SQUARE WITH 2" E AROUND EXCEPT
AS NOTED

- C. STRUCTURAL STEEL:
1. TOP & BOT CHORD MEMBERS OF LONG SPAN TRUSSES T1/SPEC DRAW S-
GRADE GRADE
ALL OTHER STEEL A36 GRADE. SEE SPEC FOR SHOP PAINTING

- 2 PROVDE 3/16 x 1 1/2 x 2-0 STRAP ANCHORS @ 24 1/2 WHERE MASONRY
ABUTS STEEL WORK

- STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY GUYING & BRACING. THESE TO REMAIN IN POSITION UNTIL ALL WALLS & DECKING SECURED IN FINAL POSITION
 - PRECAST CONTRACTOR TO PROVIDE NECESSARY BRACING UNTIL ROOF & WALL MEMBERS ARE SECURED IN FINAL POSITION.

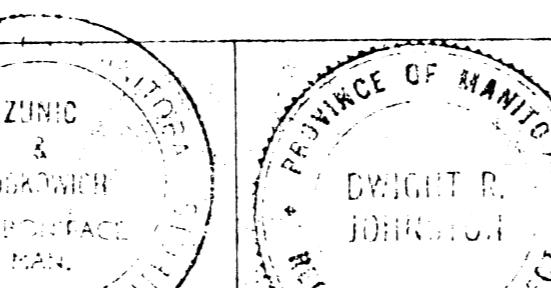
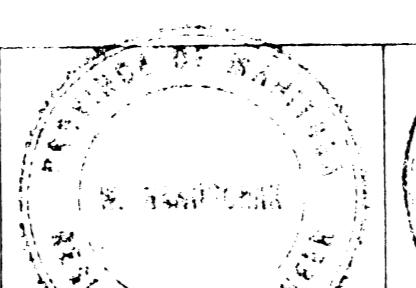
3. DO NOT BACKFILL AGAINST EAVESMENT WALLS UNTIL MAIN FLOOR 3
SLAB HAS BEEN POURED & CURED

1. DO NOT SCALE DRAWINGS
 2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS DATUM'S AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS & OMISSIONS TO BE REPORTED IMMEDIATELY TO THE ARCHITECTS.

**RETURN TO CIVIC
PROPERTIES BUILDING
INVENTORY**

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PROPERTIES BUILDING
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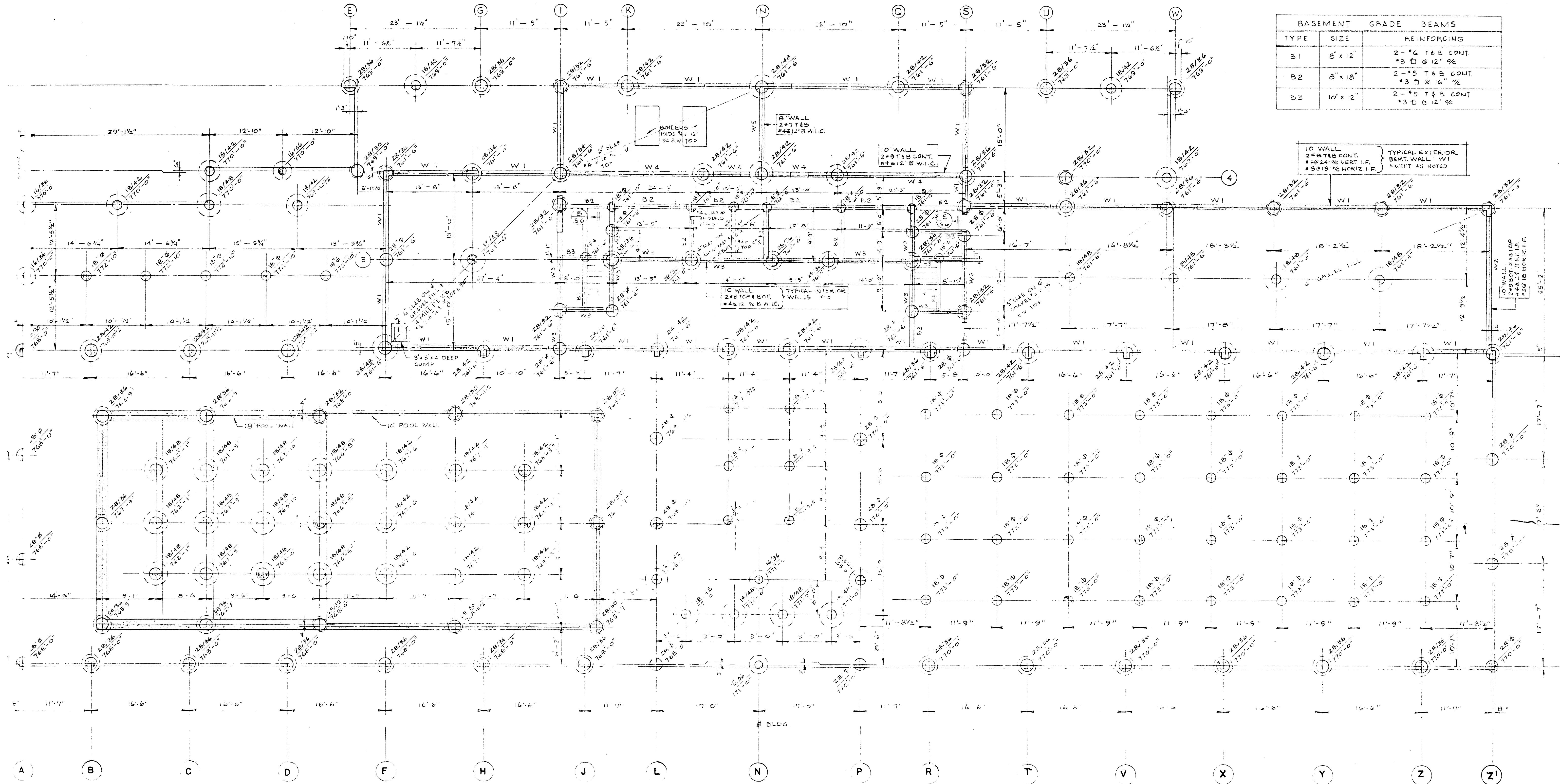
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CONSULTING STRUCTURAL ENGINEERS**



ZUNIC & SOBKOWICH
DWIGHT R. JOHNSTON
ARCHITECTS

ST. JAMES CIVIC CENTRE
NESS AVENUE & WOODLAWN STREET

D R A W I N G
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FOUNDATION PLAN - POOL, AUDITORIUM & LOBBY

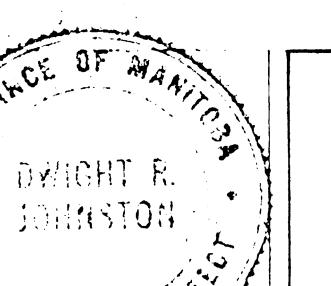
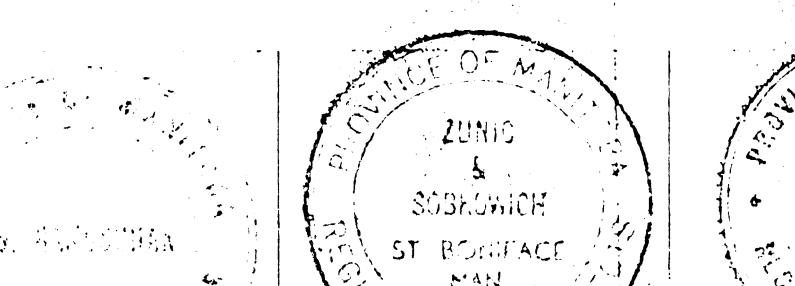
1/8" = 1'-0"

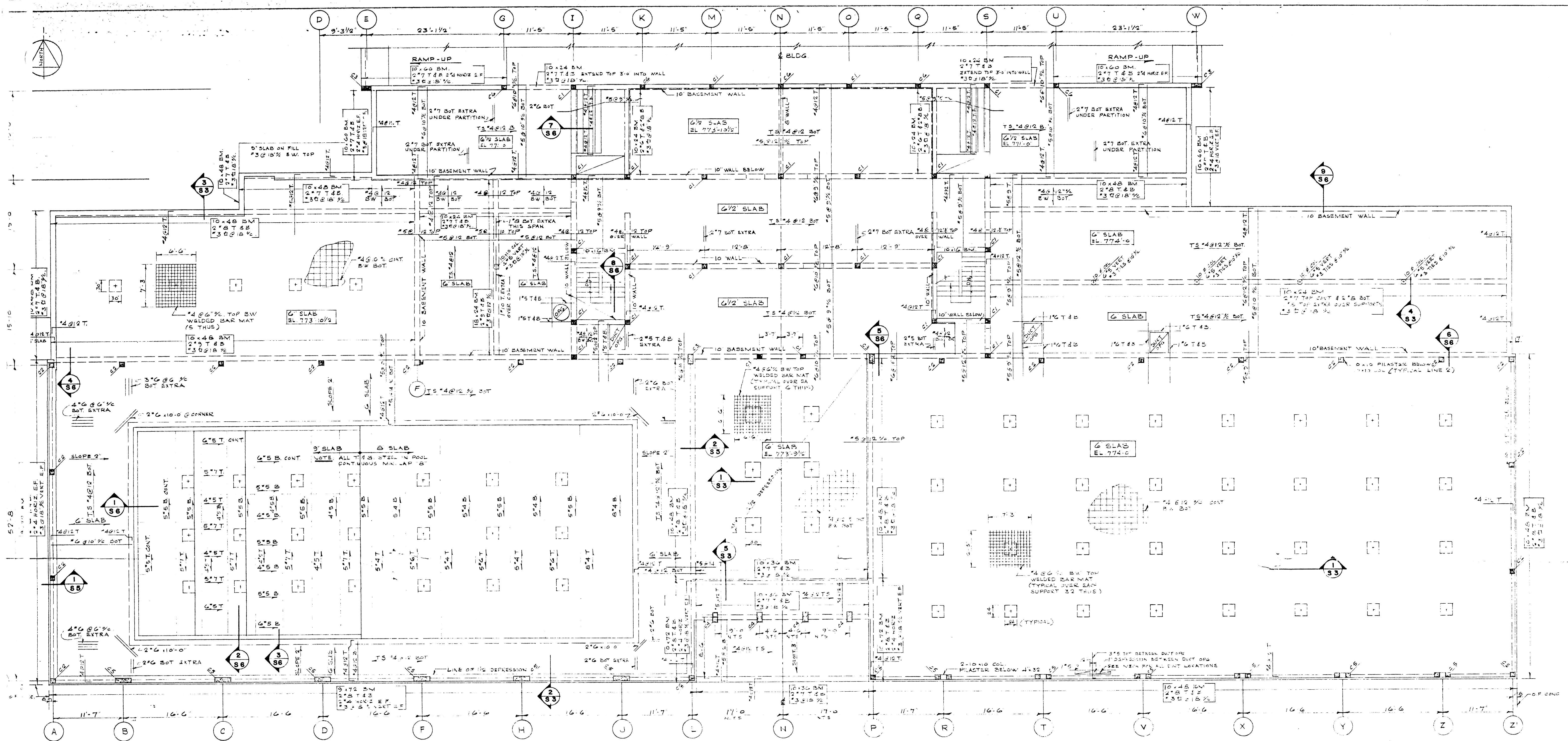
- NOTE
 ① ALL 28 # SHAFTS HAND BELLFD & KEY INTO HARPAN
 ALL OTHERS MECHANICALLY BELLFD (SPREADER) ON HARPAN
 ② ALL ELEVATIONS AT CAISSENS ARE TOP OF CAISSON CAP
 (ALL CAISSENS HAVE 2'-0" DEEP CAP)
 ③ ALL ELEVATIONS SHOWN AT PILES TO TOP OF PILE
 ④ SEE DWG S1 FOR TEST BORES & TYPICAL DETAILS

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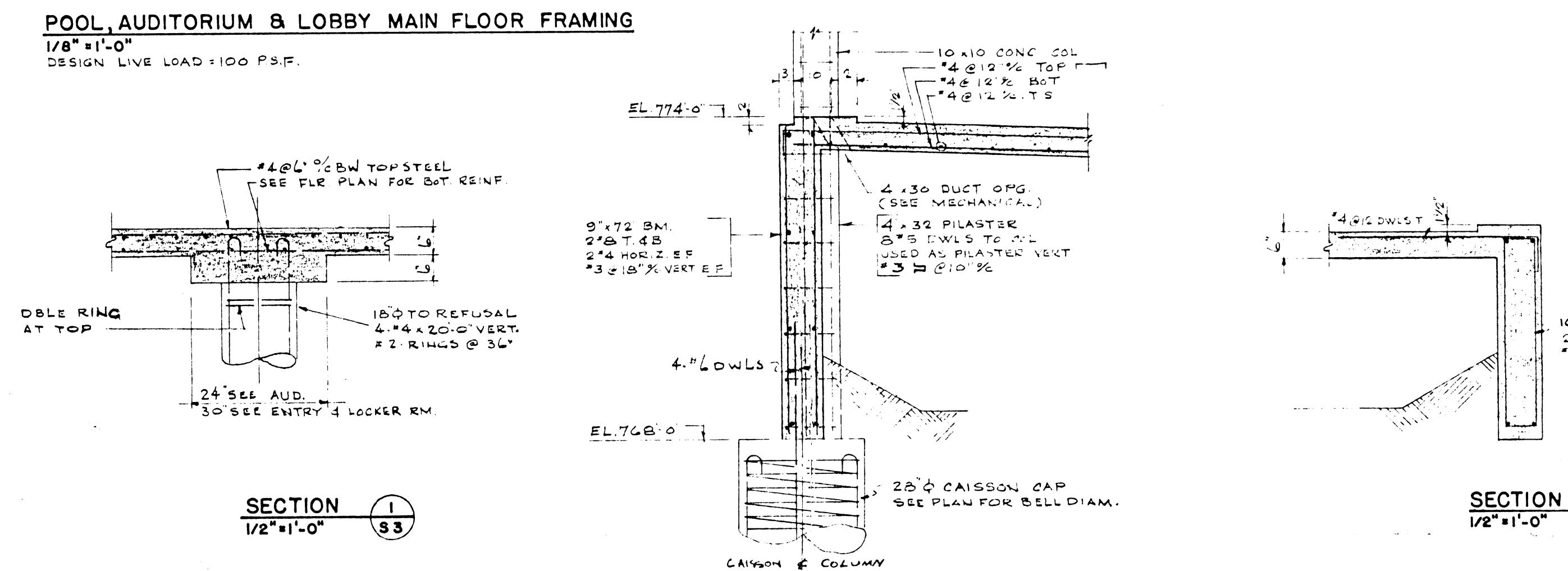
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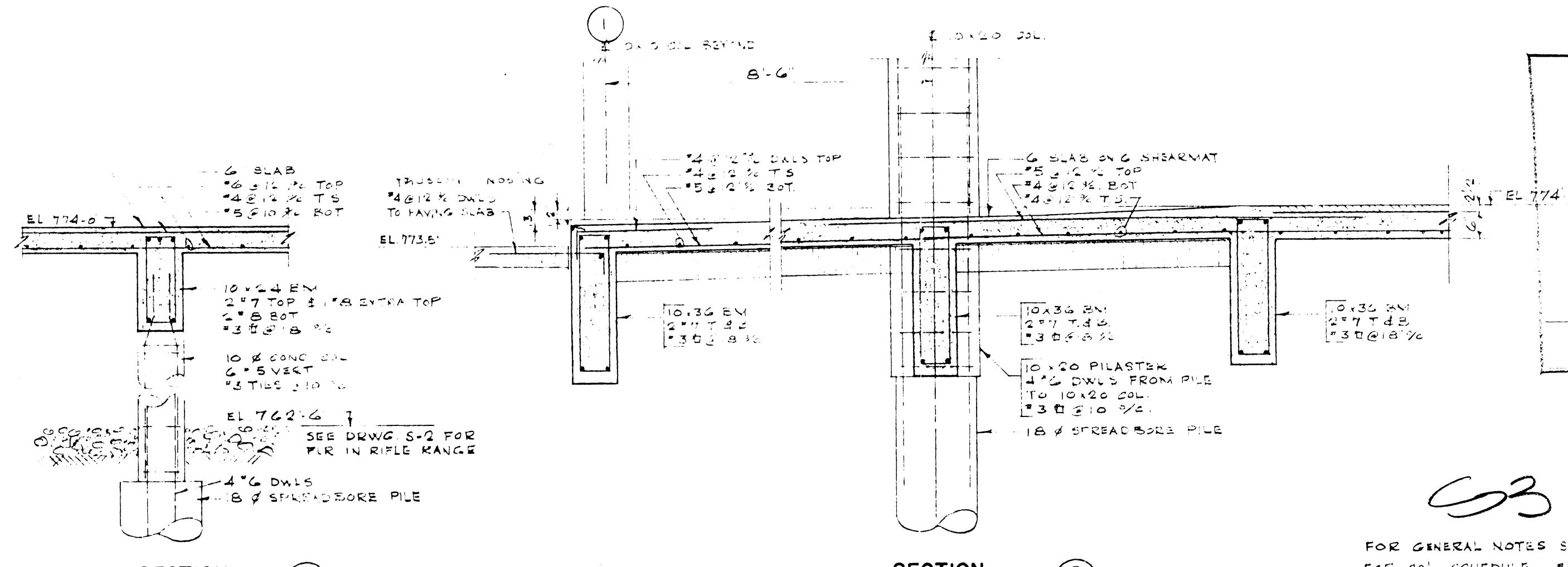


POOL, AUDITORIUM & LOBBY MAIN FLOOR FRAMING

1/8" = 1'-0"

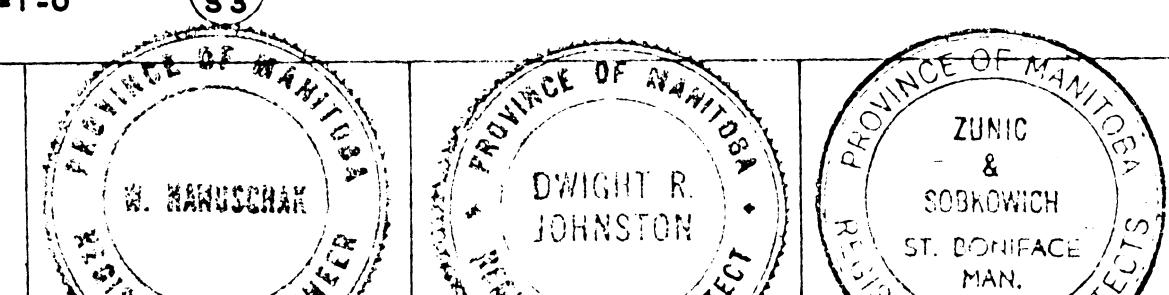


SECTION **3**
1/2" = **1'-0"** **S 3**



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9"
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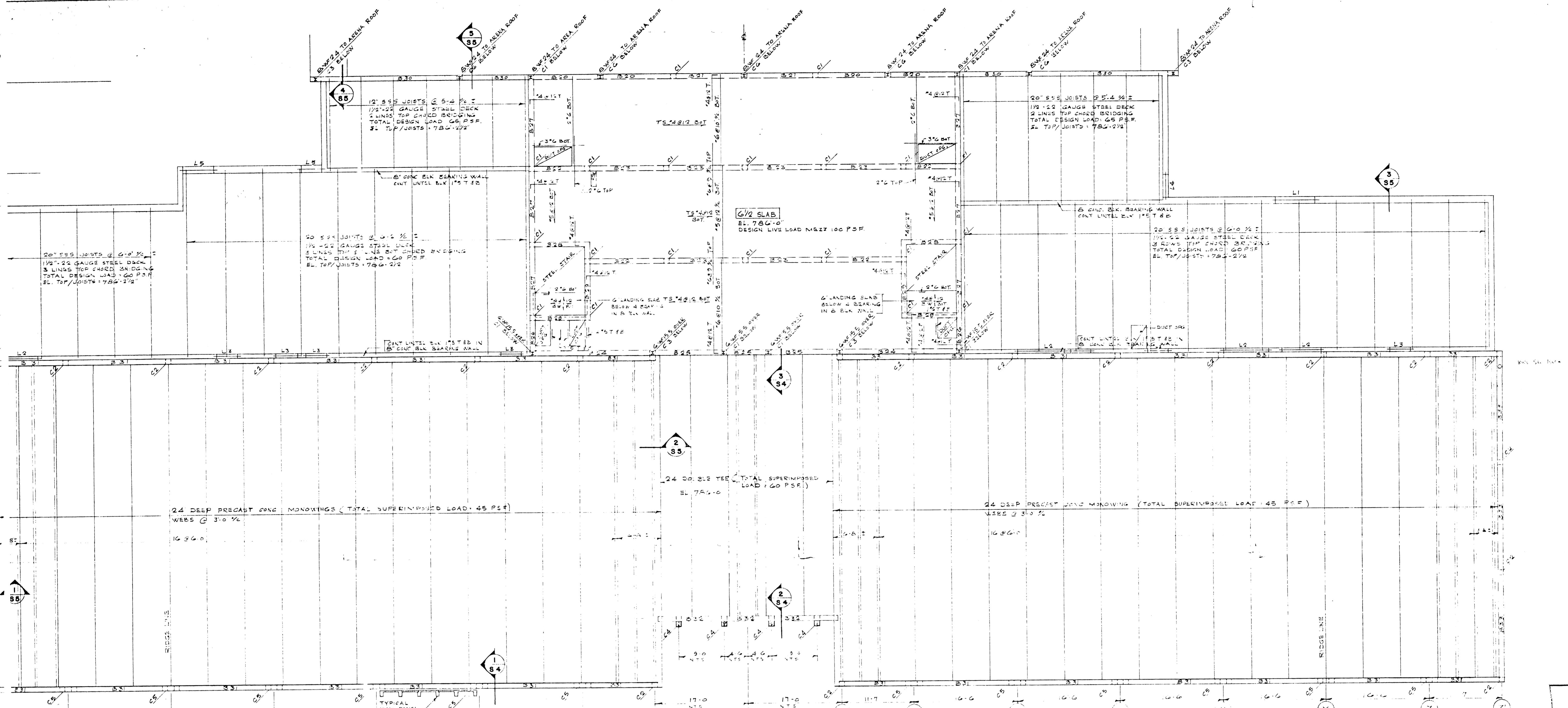


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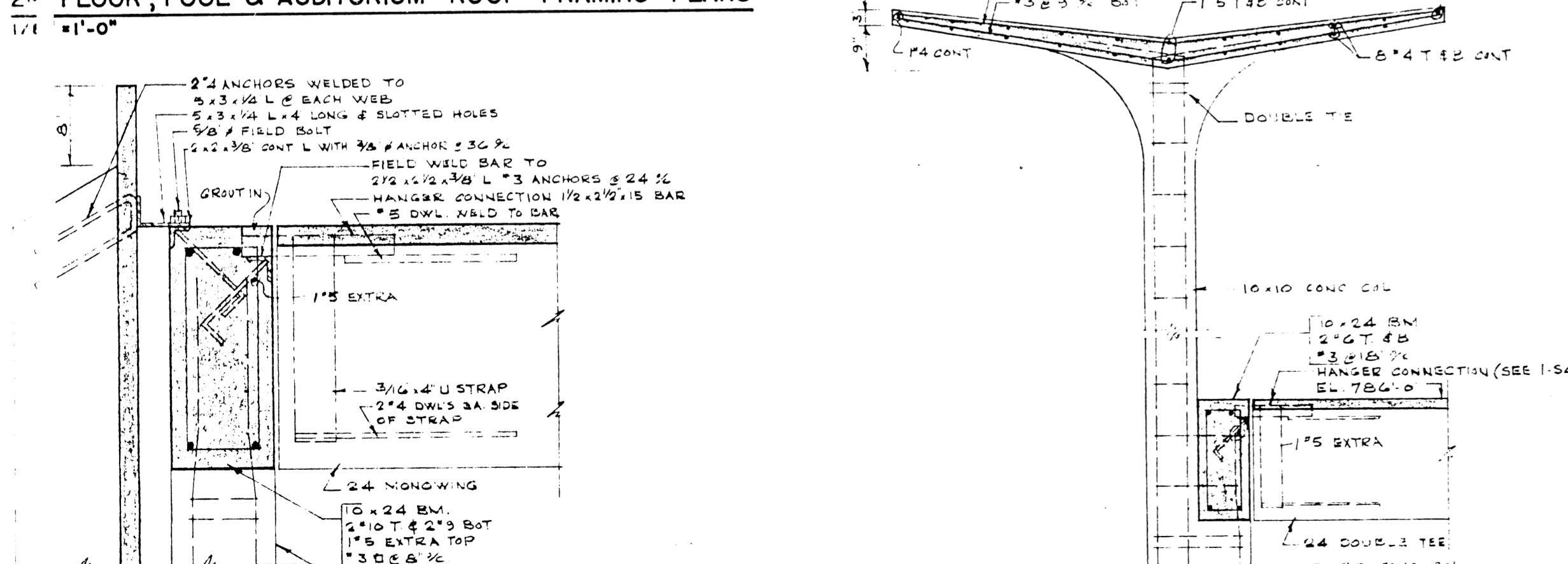
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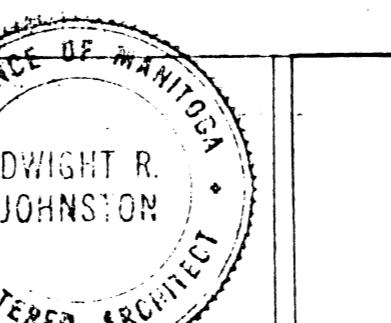
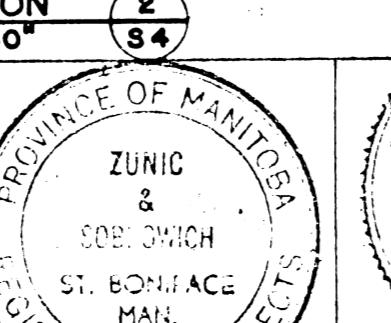


2N FLOOR, POOL & AUDITORIUM ROOF FRAMING PLANS



TYPICAL MONOWING CONNECTION
1'-0" x 1'-0"

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204-309 TACHE AVE. ST. BONIFACE MAN.

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COL. SCHEDULE

COL.	SIZE	CONCRETE	REINF.	REMARKS
C1	10 x 10	3000 PSI	4" VERT * 3 1/2 G 10 %	
C2	10 x 10	4000 PSI	4" VERT * 3 1/2 G 10 %	
C3	10 x 20	3000 PSI	4" VERT * 3 1/2 G 10 %	
C4	10 x 20	3000 PSI	4" VERT * 3 1/2 G 10 %	
C5	2-10 x 10	3000 PSI	4" VERT * 3 1/2 G 10 %	
C6	10 x 10	3000 PSI	4" VERT * 3 1/2 G 10 %	

NOTE: SEE ELEVATIONS OF POOL & AUD. COL. 2-5 DRUGS 5-5

LINTEL SCHEDULE

MARK	LOCATION	TYPE
L1	B CONC BLK +4 BRICK (MAX ONG B-0)	B-16 BM 2 1/2 T 8 * 30 G 10 4 x 3/2 x 1/4 L
L2	B CONC B-L (MAX ONG B-0)	B-16 BM 2 1/2 T 8 * 30 G 10 4 x 3/2 x 1/4 L
L3	B CONC BLK (AT 3/4 DOORS)	2 1/2 T 8 * 30 G 10 4 x 3/2 x 1/4 L
L4	B CONC BLK +4 BRICK (MAX ONG G-0)	2-3/2 x 3 1/2 x 1/4 L B-16 BM 2 1/2 T 8 * 30 G 10 4 x 3/2 x 1/4 L
L5	B CONC BLK +4 BRICK (MAX ONG G-0)	2 1/2 T 8 * 30 G 10 4 x 3/2 x 1/4 L

NOTE: PULL OUT CONTRACTOR MAY SUBMIT
ALTERNATIVE DETAILS SUBJECT
TO APPROVAL BY WALL & ROOF

BEAM SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
B20	10	2 * 6 2 * 4 2 * 3 2 * 3	TOP BOT CONT G 10 %
B21	10	2 * 7 2 * 6 2 * 4 2 * 3	TOP BOT CONT G 10 %
B22	10	2 * 6 2 * 7 2 * 3	TOP BOT CONT G 10 %
B23	10	2 * 8 2 * 7 2 * 3	TOP BOT CONT LAP 2 1/2 G 8 % (15% MAX) G 12 %
B24	10	2 * 6 2 * 7 2 * 3	TOP BOT CONT LAP 2 1/2 G 8 % (15% MAX) G 12 %
B25	10	2 * 9 2 * 8 2 * 3	TOP BOT CONT LAP WITH 6 G MIDSPAN B-24 CONT EXHA
B26	10	2 * 8 2 * 7 2 * 3	TOP BOT CONT G 12 %
B27	10	2 * 8 2 * 8 2 * 3	TOP BOT CONT G 12 %

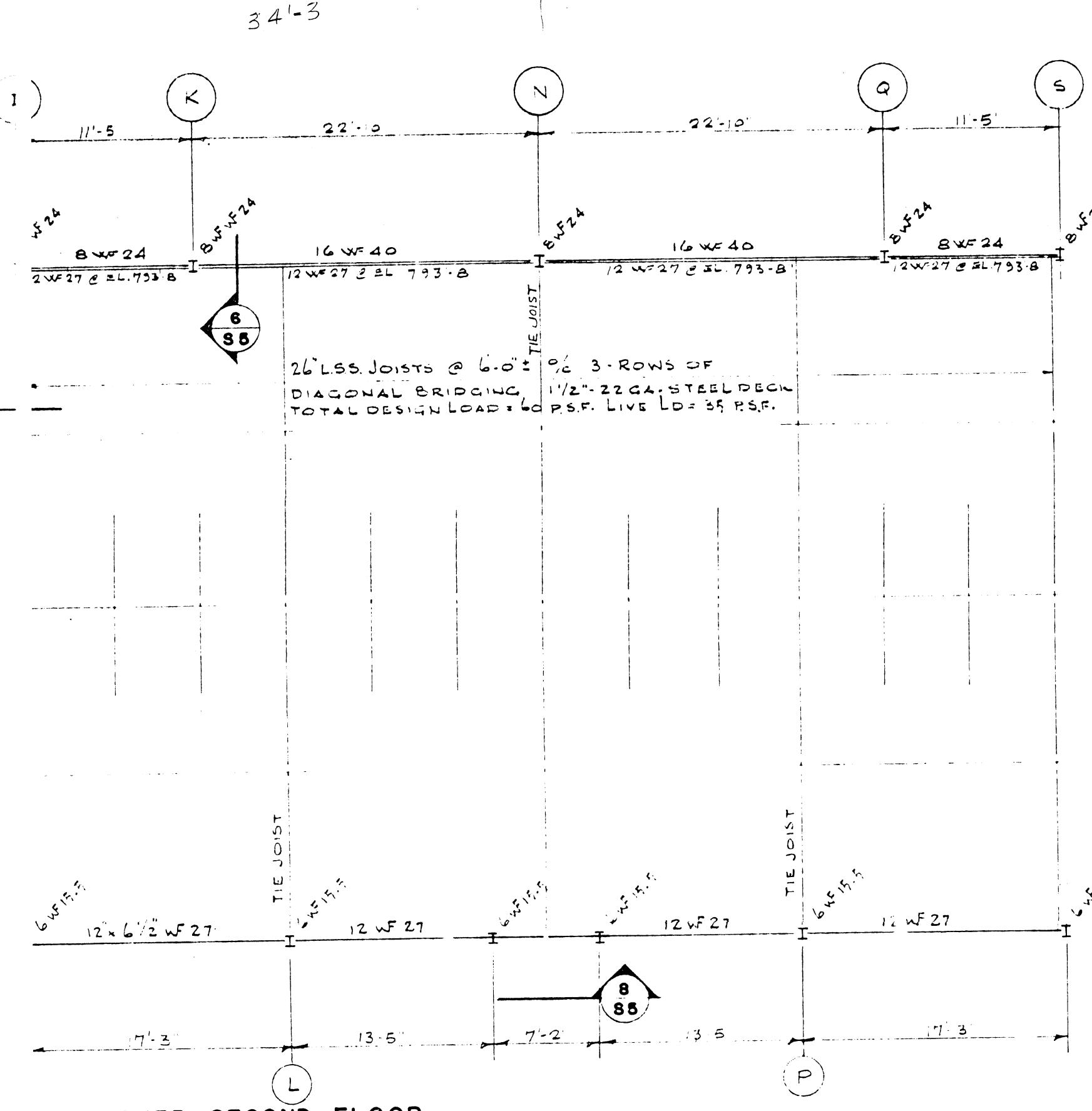
BEAM SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
B28	10	2 * 6 2 * 4 2 * 3	TOP BOT G 10 %
B29	10	2 * 7 2 * 6 2 * 4 2 * 3	TOP BOT G 10 %
B30	10	2 * 8 2 * 7 2 * 3	TOP BOT G 10 % (2 1/2 HORZ G 12 %)
B31	10	2 * 9 2 * 8 2 * 3	TOP BOT LAP 2 1/2 G 8 % (15% MAX) G 12 %
B32	10	2 * 6 2 * 7 2 * 3	TOP BOT CONT G 12 %
B33	10	2 * 8 2 * 7 2 * 3	TOP BOT CONT G 12 %

NOTE: PULL OUT CONTRACTOR MAY SUBMIT
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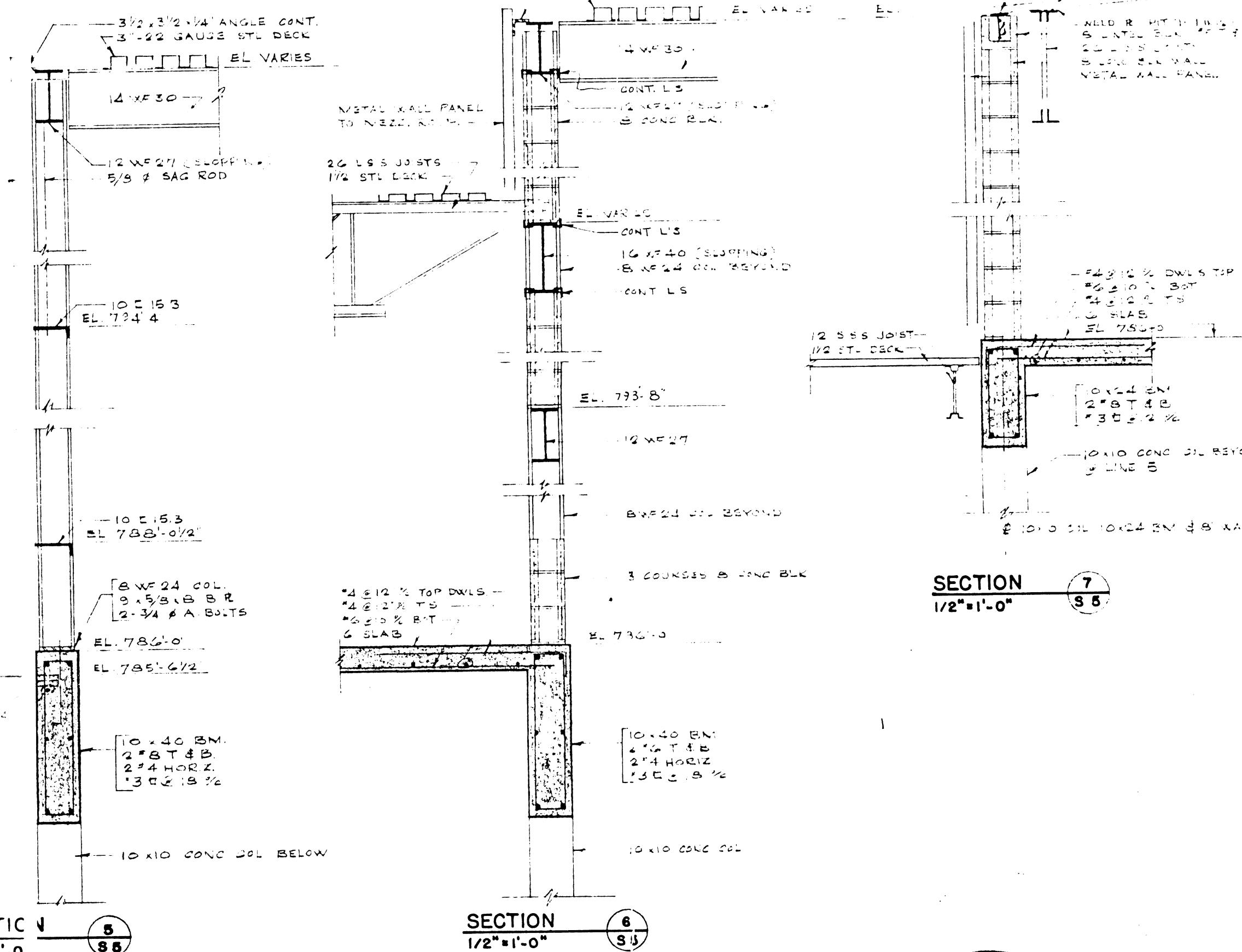
FOR GENERAL NOTES SEE DRAWING SH

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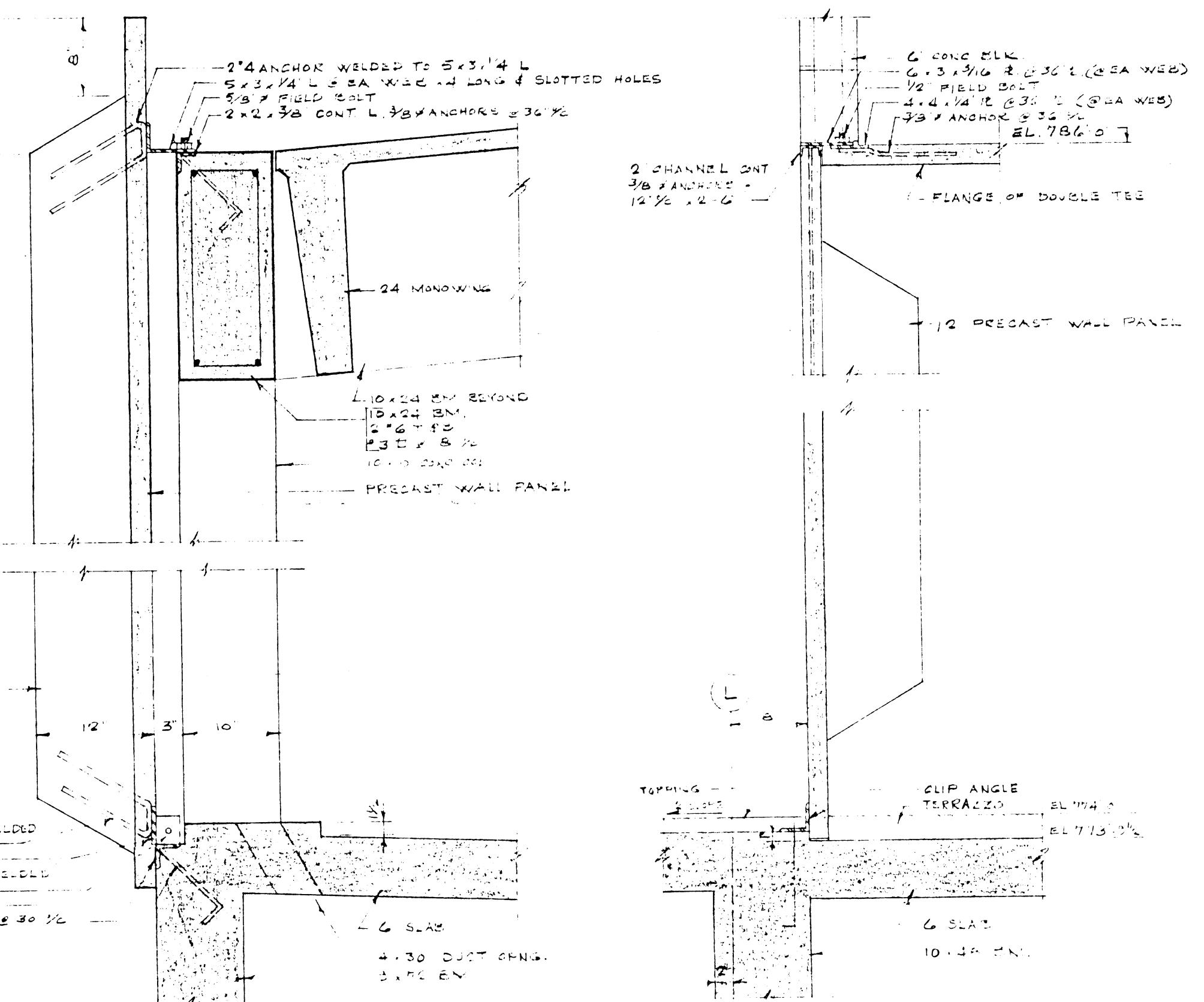


ROOF OVER SECOND FLOOR

SCALE 1/8" = 1'

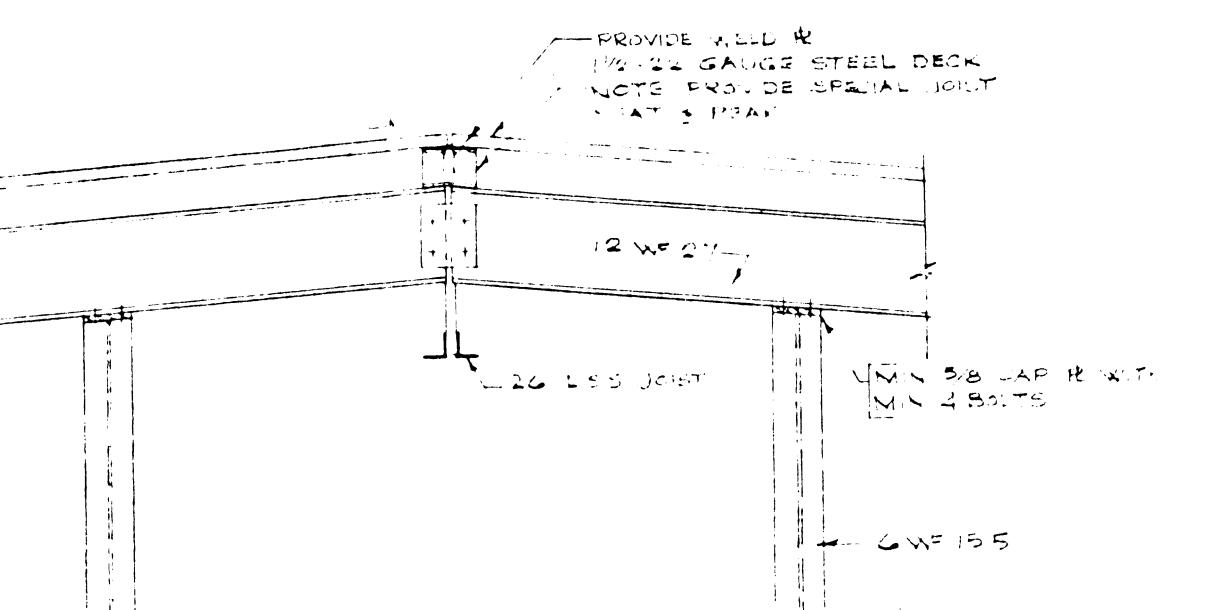


SECTION 
 $1/2'' = 1'-0''$ 

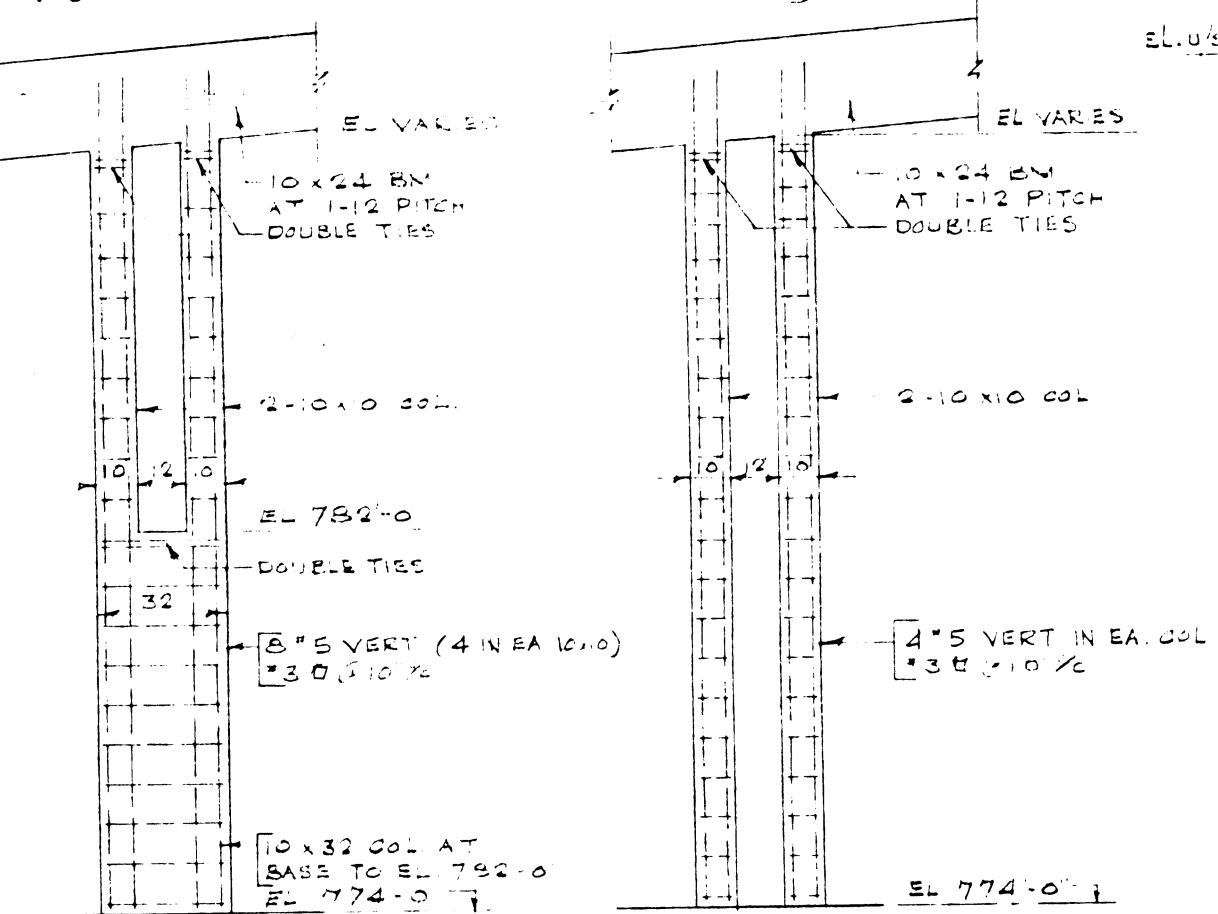


TYPICAL WALL PANEL CONNECTION

CONNECTION AT ENTRANCE PANELS

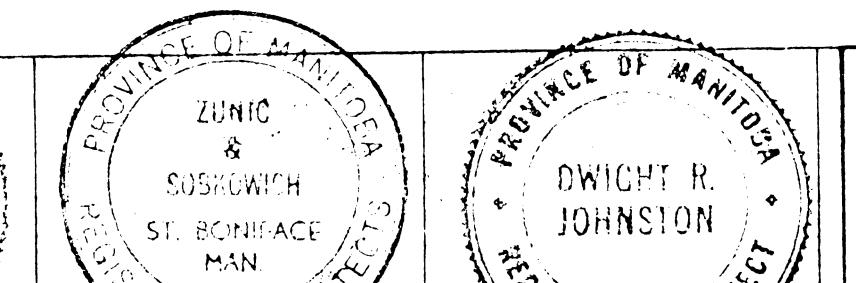


FRONT ELEVATION OF MEZZ. PEAK



ELEVATION OF
POOL EXTERIOR COL.
1/4" = 1'-0"

ELEVATION OF
AUD. EXTERIOR COL.



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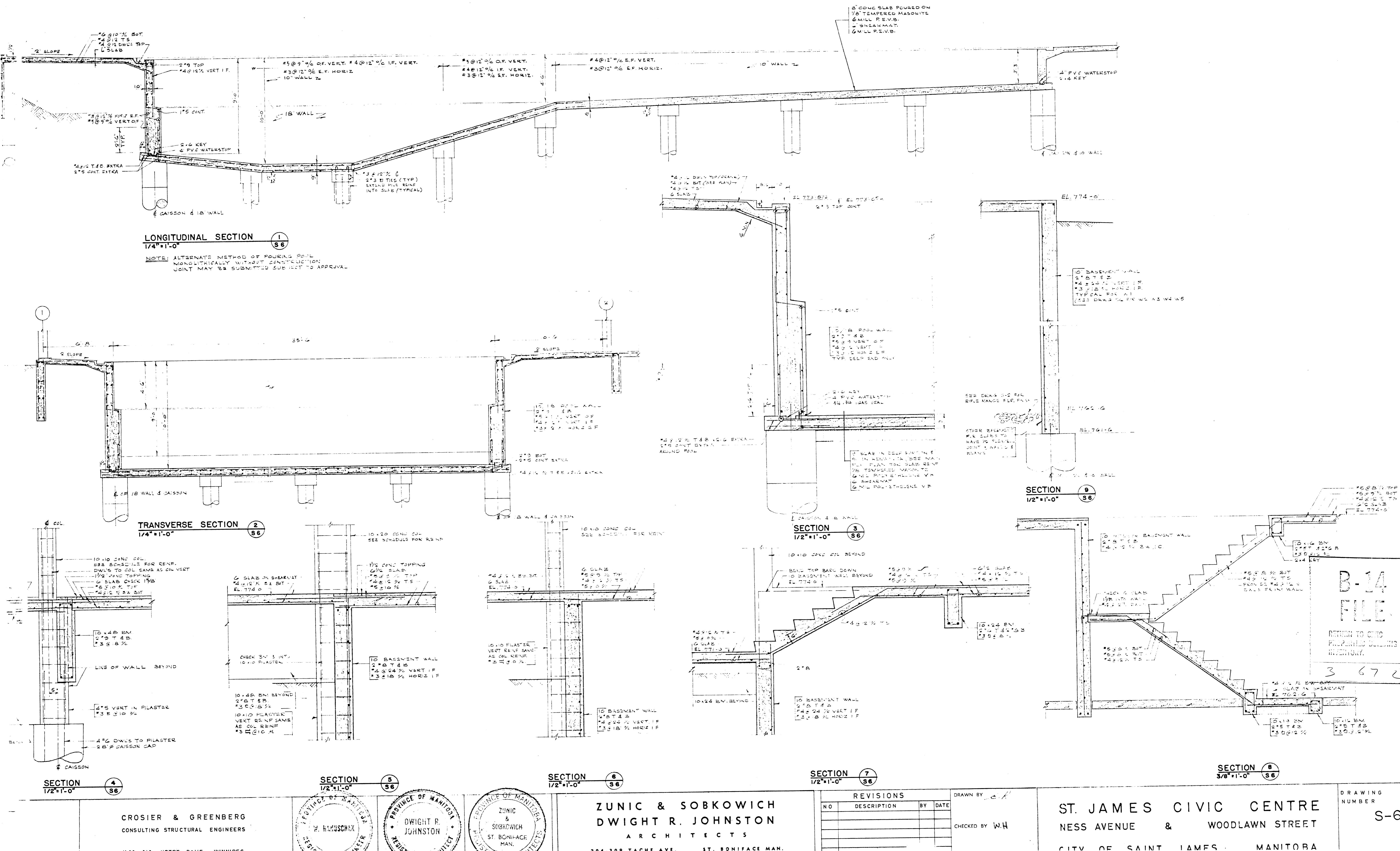
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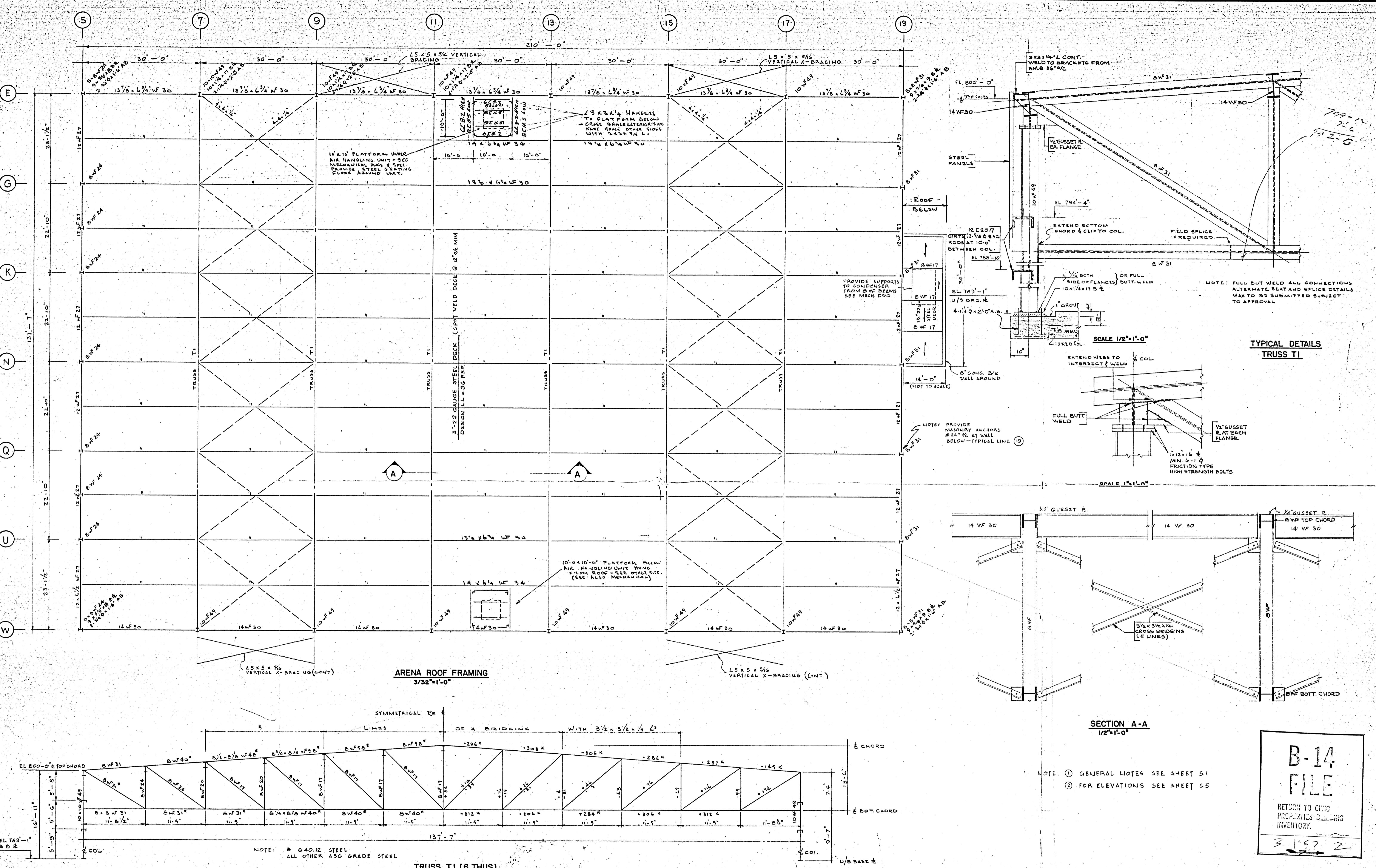
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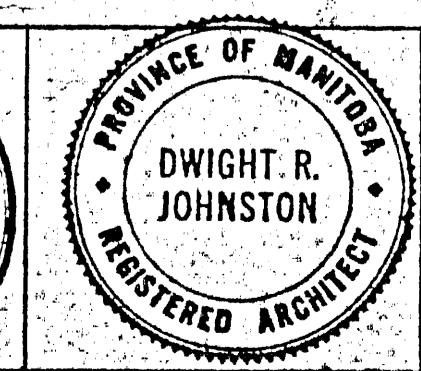
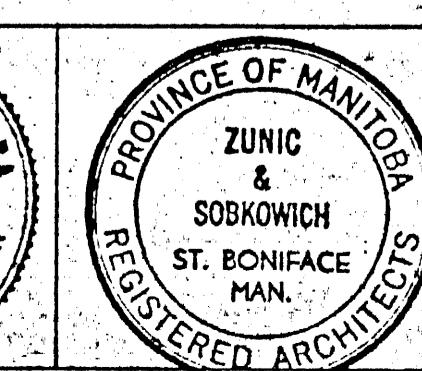
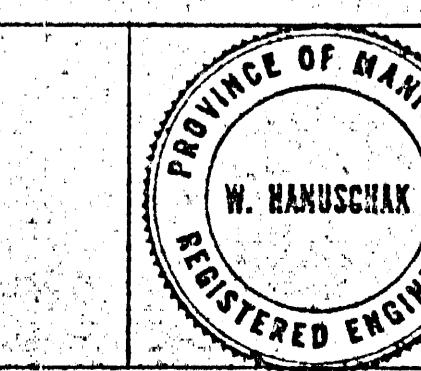
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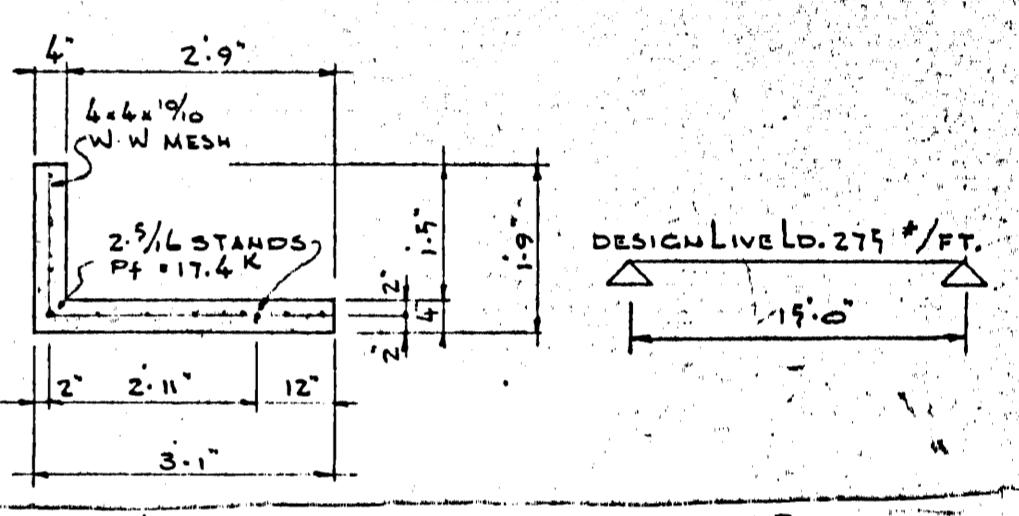
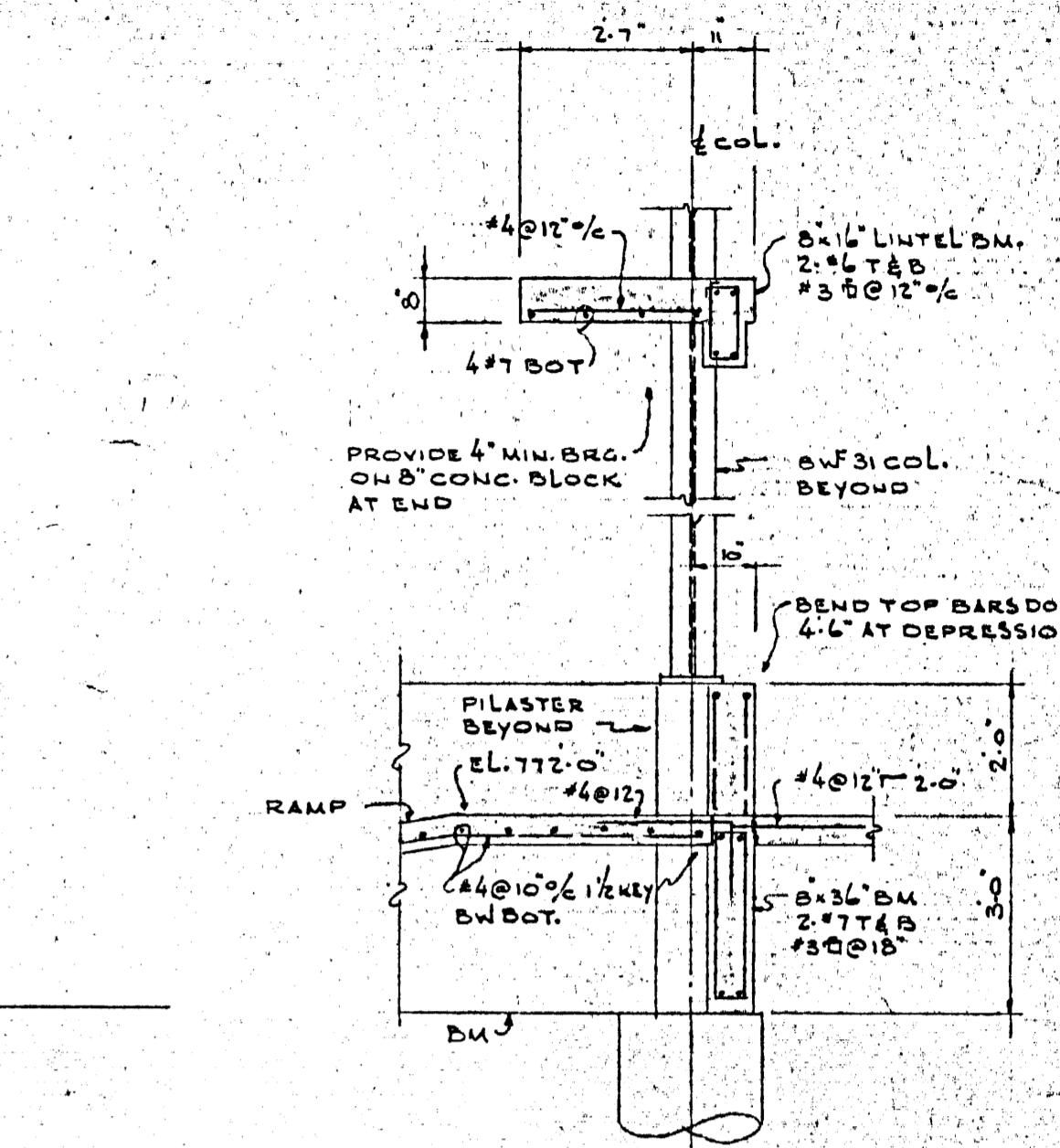
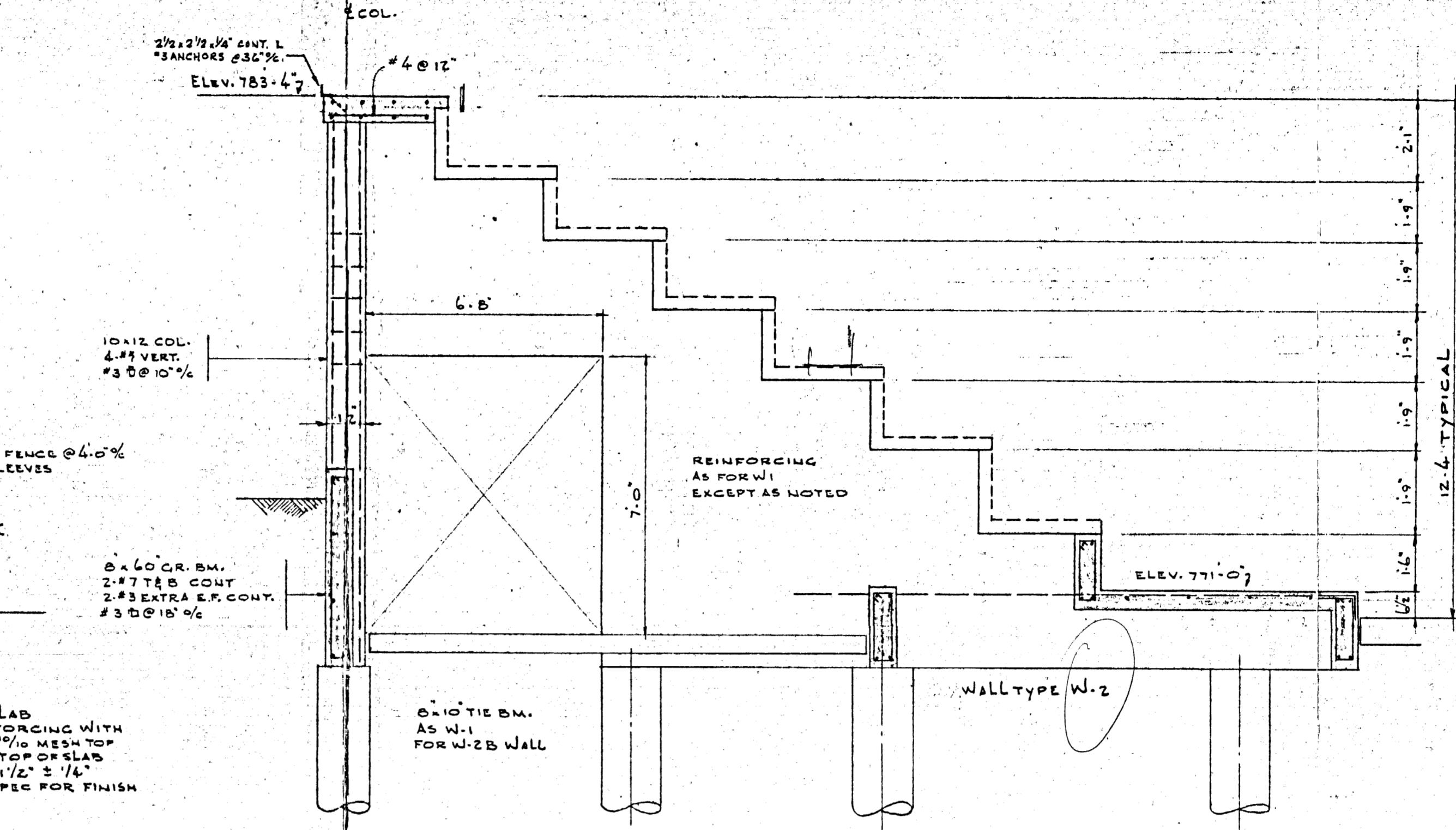
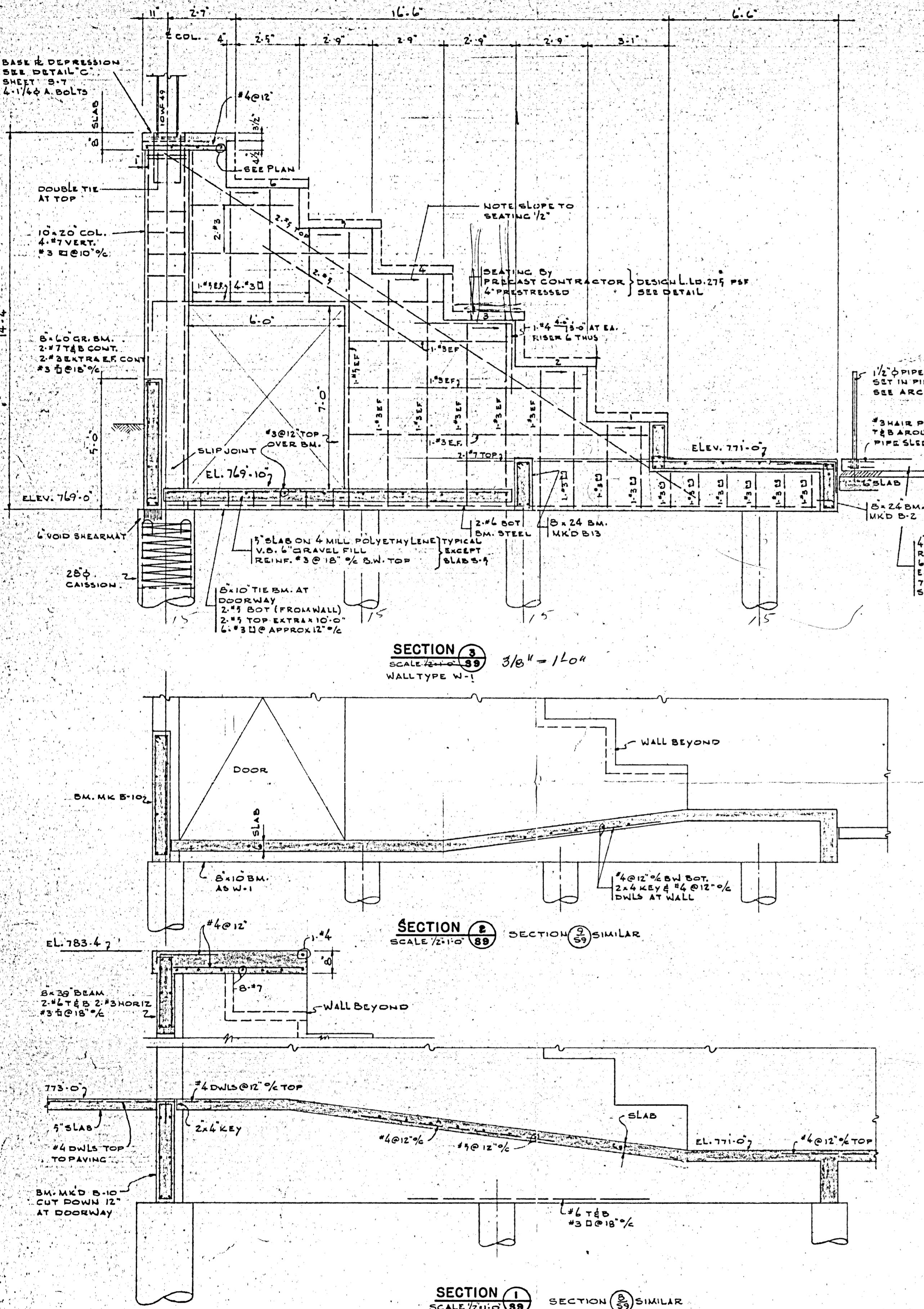


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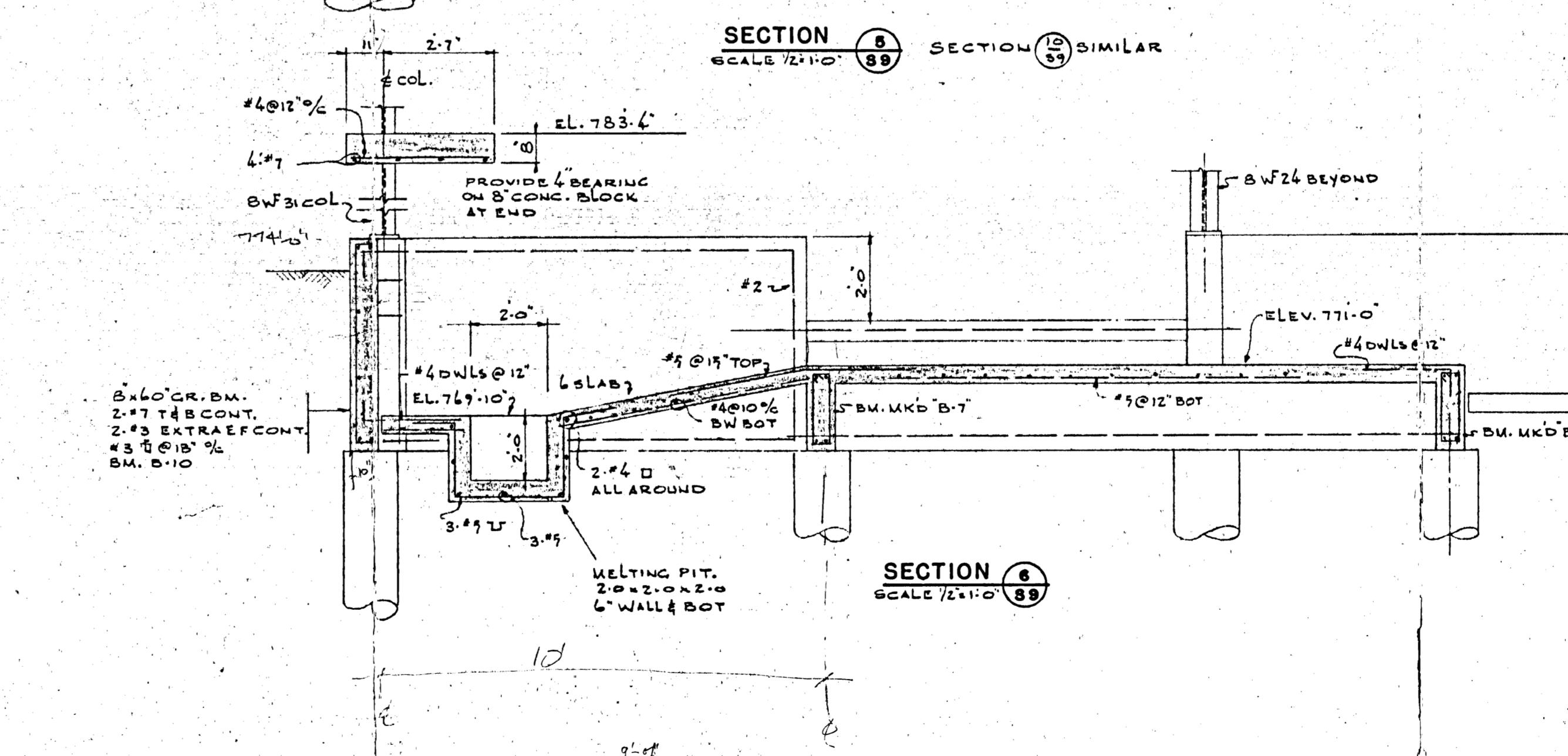
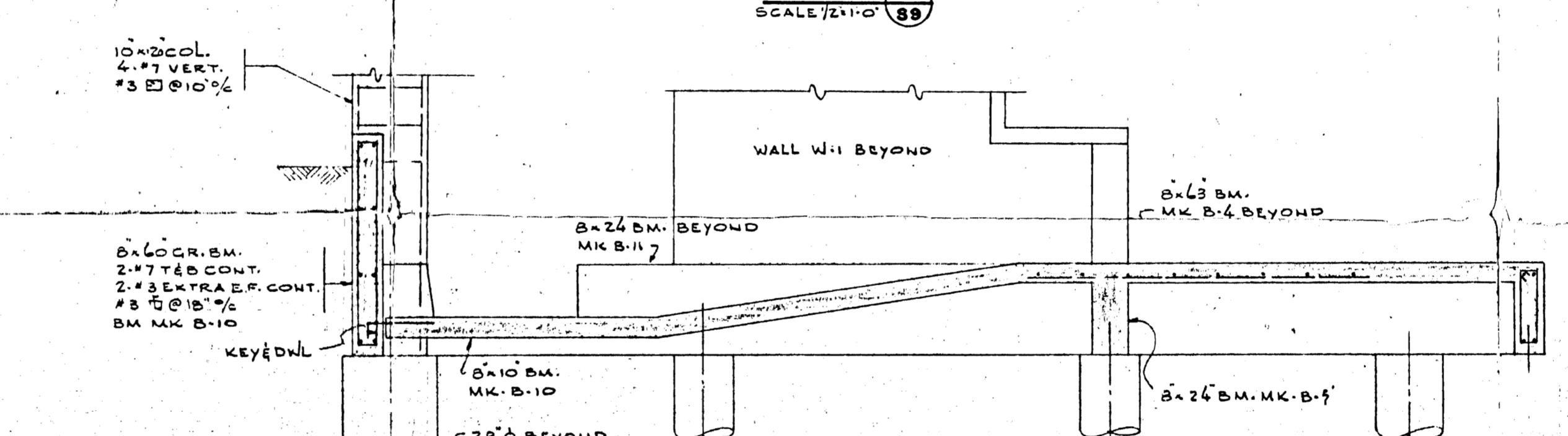


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TYPICAL PRECAST PRESTRESSED SEATING PLANK



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DWIGHT R. JOHNSTON
ARCHITECTS
204-309 TACHE AVE. ST. BONIFACE MAN.
1834 PORTAGE AVE. ST. JAMES MAN.

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DRAWING
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