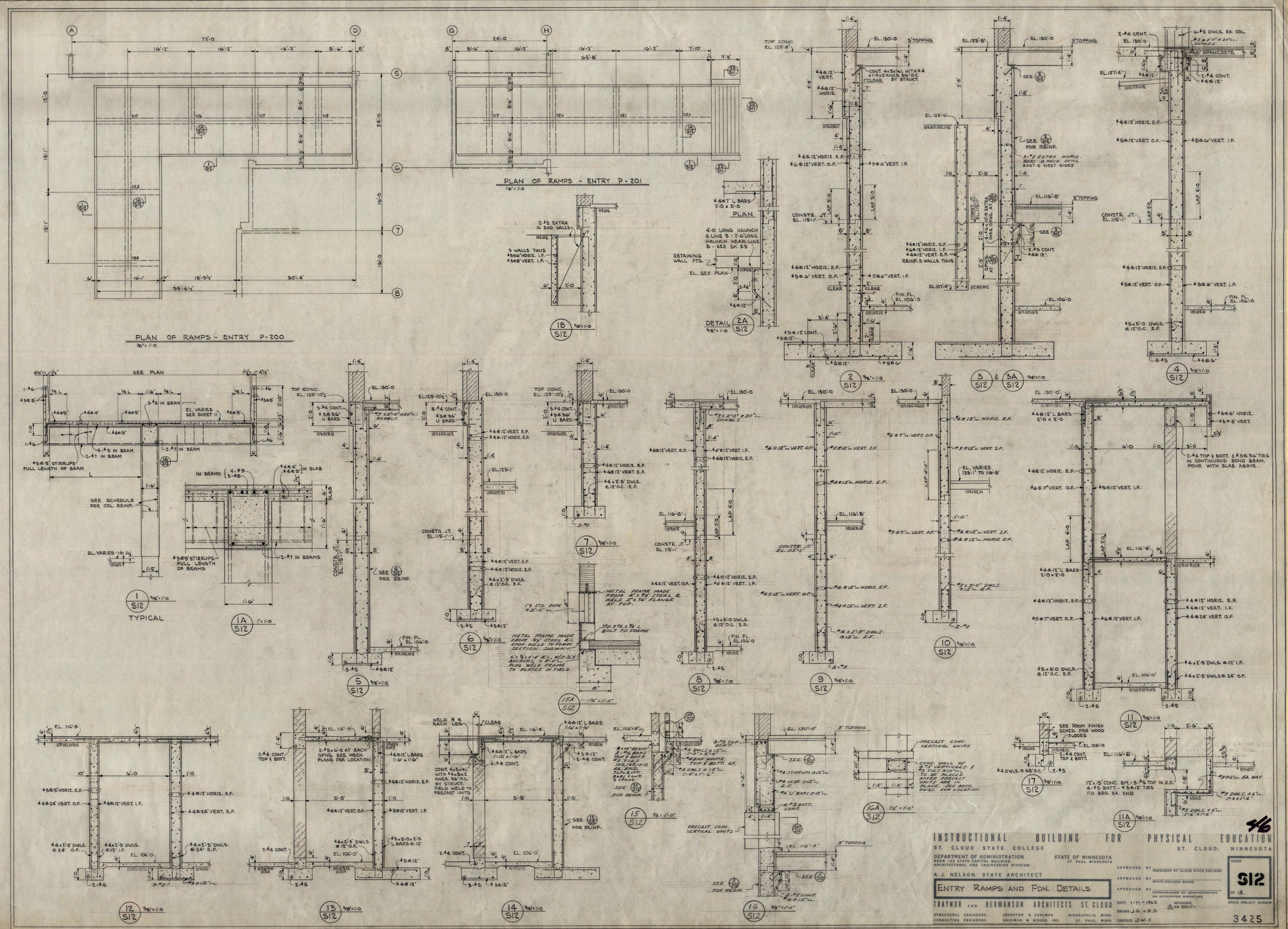
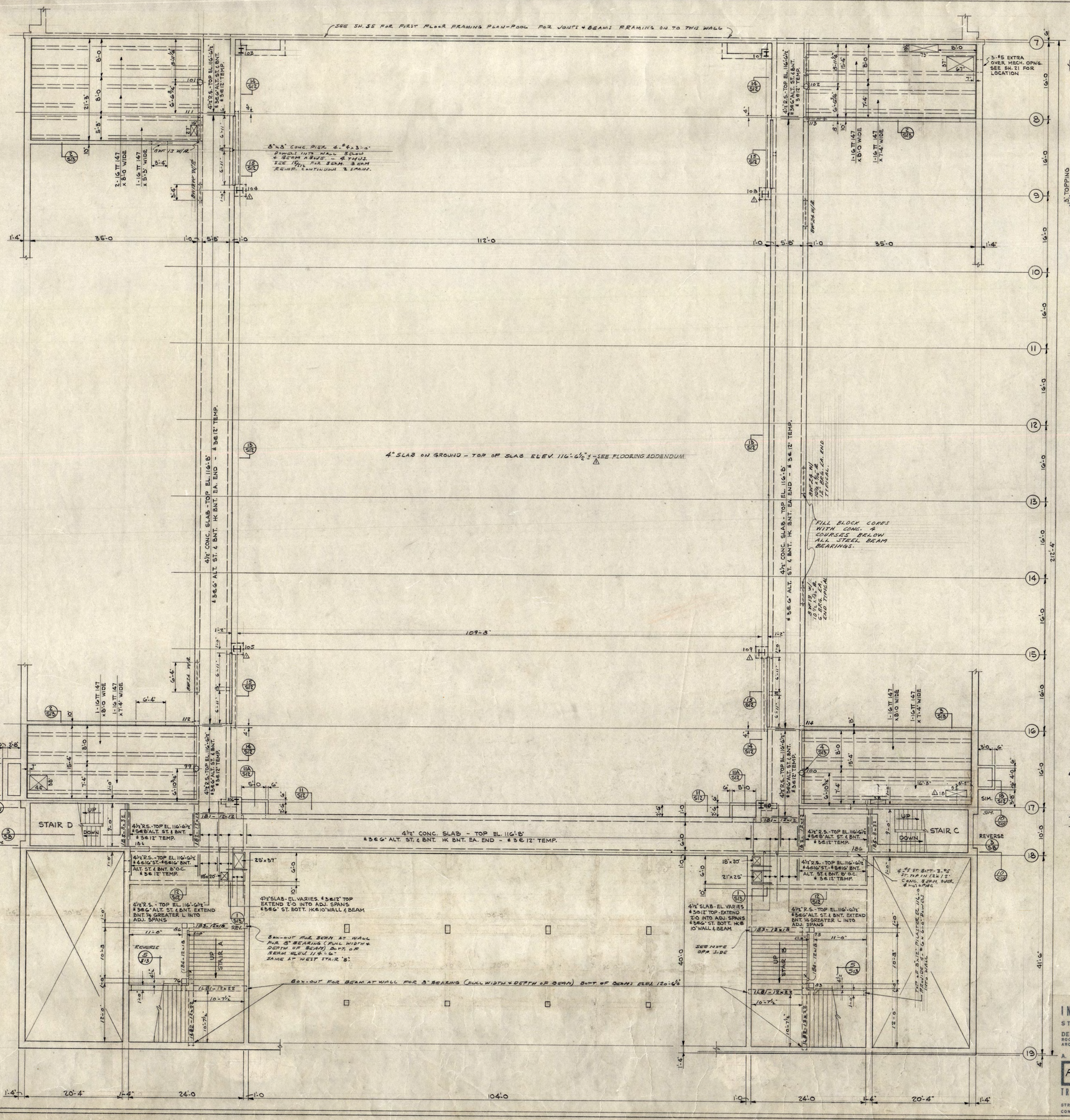
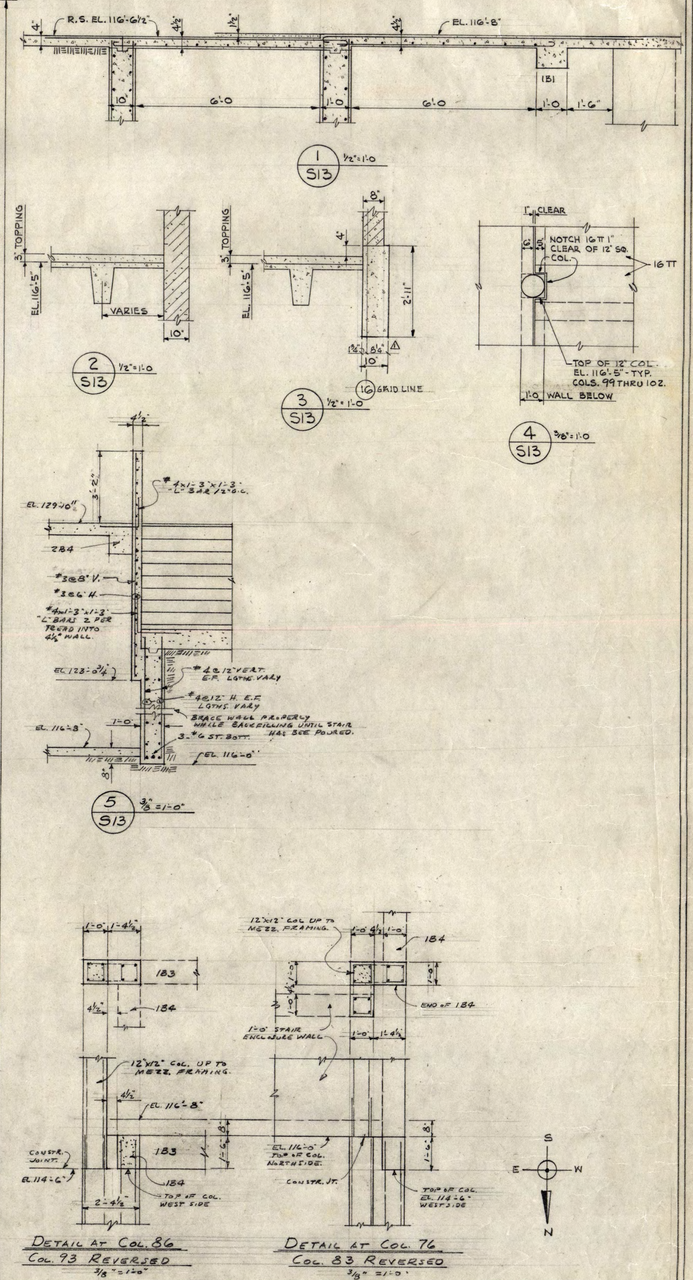

PLAN OF RAMPS - ENTRY P-200
PLAN OF RAMPS - ENTRY P-201
PLAN
DETAIL 2A S12
18 S12
1 S12 TYPICAL
1A S12
2 S12
3 S12
3A S12
4 S12
5 S12
6 S12
7 S12
8 S12
9 S12
10 S12
11 S12
11A S12
12 S12
13 S12
14 S12
15 S12
15A S12
16 S12
16A S12
17 S12
INSTRUCTIONAL BUILDING FOR PHYSICAL EDUCATION
ST. CLOUD STATE COLLEGE
ST. CLOUD, MINNESOTA
DEPARTMENT OF ADMINISTRATION
ROOM 120 STATE CAPITOL BUILDING
ARCHITECTURAL AND ENGINEERING DIVISION
STATE OF MINNESOTA
ST. PAUL, MINNESOTA
A. J. NELSON, STATE ARCHITECT
ENTRY RAMPS AND FDN. DETAILS
TRAYNOR AND HERMANSON ARCHITECTS ST. CLOUD
STRUCTURAL ENGINEERS: JOHNSTON & SAHLMAN MINNEAPOLIS, MINN.
CONSULTING ENGINEERS: GAUSMAN & MOORE, INC. ST. PAUL, MINN.
APPROVED BY PRESIDENT ST. CLOUD STATE COLLEGE
APPROVED BY STATE COLLEGE BOARD
APPROVED BY COMMISSIONER OF ADMINISTRATION AN AUTHORIZED SIGNATURE
DATE 1-19-1963
REVISIONS AS BUILT
DRAWN J.D. & R.D.
CHECKED J.W.S.
SHEET S12 OF 18
STATE PROJECT NUMBER 3425





CONCRETE BEAM SCHEDULE

MARK	B	D	STRAIGHT	BENT	STR. TOP	STIRRUPS No.	SIZE	SPACING EA. END	REMARKS
181	12	12	3-#6	—	3-#6	10	#3	3@6, 2@12	8" BEARING ON WALLS. HK TOP BARS EA. END
182	12	12	3-#6	—	3-#5	10	#3	3@6, 2@12	do.
183	12	18	4-#6	—	4-#8	12	#3	3@6, 3@12	8" BEARING ON WALL. HK TOP BARS EA. END. SEE DETAIL AT COL. 86 FOR BARS EA. END. SEE DETAIL AT COL. 93
184	12	18	4-#6	—	4-#5	12	#3	3@6, 2@12	do.
185	8	32	2-#7	—	2-#6		#3	12" o.c. TIES	A22 2-#8 & HORIZ. BOTH SIDE SECTION 3/S13.
186	12	12	4-#5	—	3-#5		#3	do.	8" BEARING EA. END
1LB1	12	22	4-#7	—	4-#6	14	#3	3@6, 3@12, 2@24	8" BEARING EA. END. HK TOP BARS EA. END
1LB2	12	22	4-#7	—	4-#6	14	#3	do.	do.

47

INSTRUCTIONAL BUILDING FOR PHYSICAL EDUCATION

ST. CLOUD STATE COLLEGE — ST. CLOUD, MINNESOTA

DEPARTMENT OF ADMINISTRATION
ROOM 120 STATE CAPITOL BUILDING
ARCHITECTURAL AND ENGINEERING DIVISION

STATE OF MINNESOTA
ST. PAUL, MINNESOTA

A. J. NELSON, STATE ARCHITECT

FIRST FLOOR FRAMING PLAN AT GYM

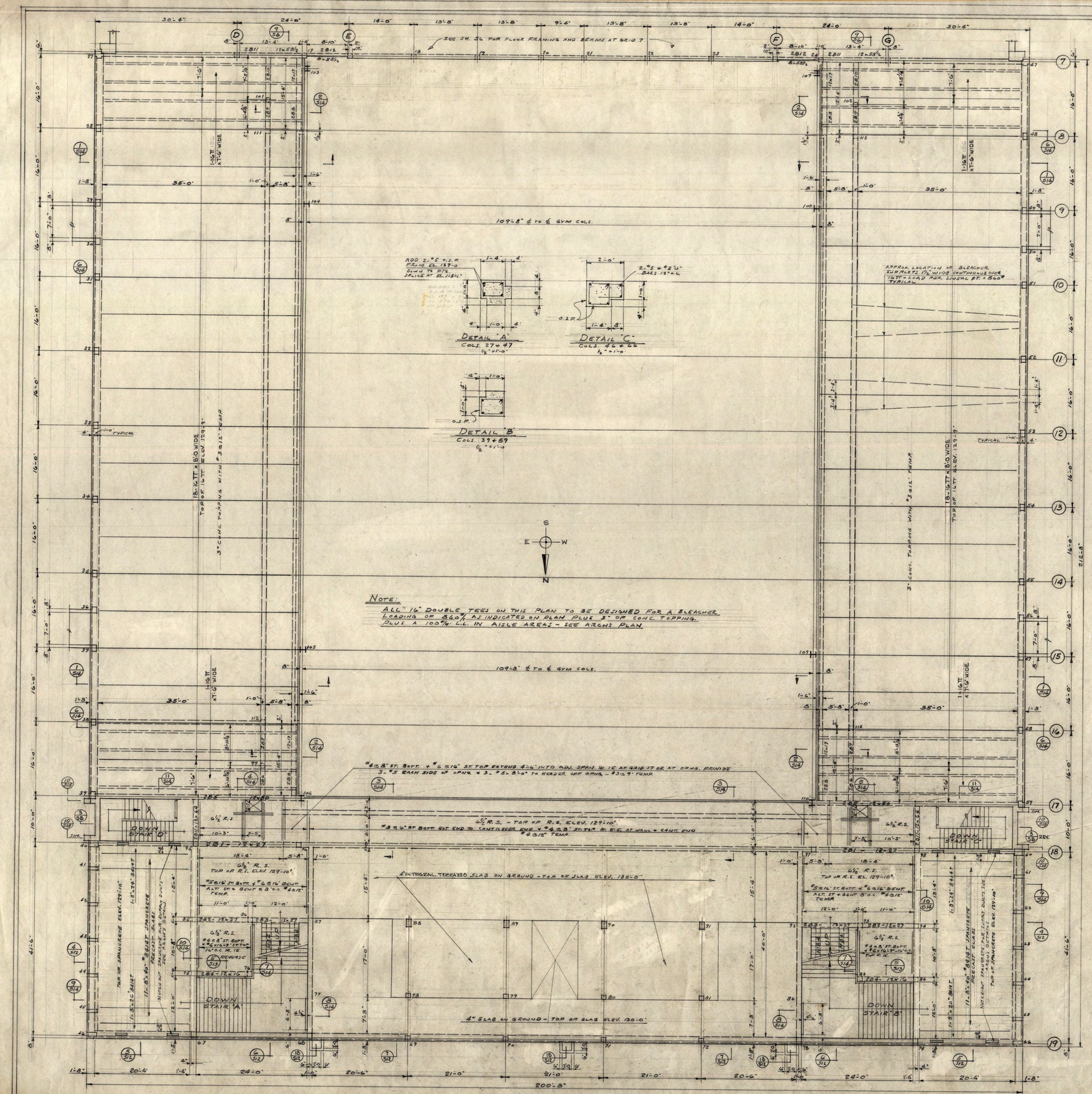
TRAYNOR AND HERMANSON ARCHITECTS ST. CLOUD

STRUCTURAL ENGINEERS: JOHNSTON & SAHLMAN — MINNEAPOLIS, MINN.
CONSULTING ENGINEERS: GAUSMAN & MOORE, INC. — ST. PAUL, MINN.

APPROVED BY PRESIDENT ST. CLOUD STATE COLLEGE
APPROVED BY STATE COLLEGE BOARD
APPROVED BY COMMISSIONER OF ADMINISTRATION AN AUTHORIZED SIGNATURE
DATE 1-17-1963
REVISIONS △ AS BUILT
DRAWN J.D. & J.W.S.
CHECKED J.W.S.

SHEET S13 OF 18

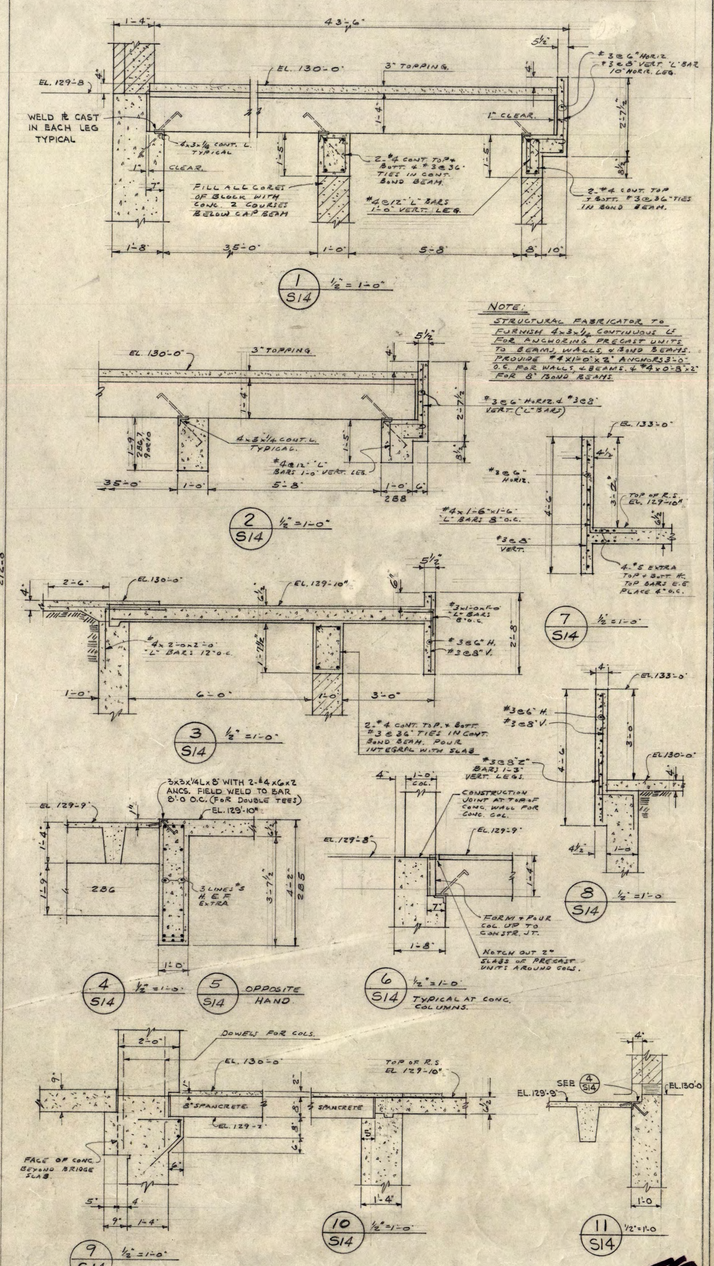
STATE PROJECT NUMBER 3425



CONCRETE BEAM SCHEDULE

MARK	B	D	STRAIGHT	BENT	STR. TOP	STIRRUPS OR TIES No.	SIZE	SPACING EACH END	REMARKS
281	12	27	4-#7	—	3-#7	14	#3	3@3, 2@12, 2@24	K BOTT EA. END 1'-0" BEARING ON END
282	12	27	3-#6	—	2-#7	12	#3	3@3, 3@12	K TOP BAR AT WALL & EXTEND TO 3'-0" INTO SLB & BEARING ON WALL
283	12	27	4-#7	—	3-#7	12	#3	4-	K TOP BAR AT WALL & EXTEND 3'-0" INTO SLB. & BEARING ON WALL.
284	12	16	4-#6	—	3-#6	12	#3	3@6, 3@12	K TOP BARS EA. END & BEARING ON WALL
285	12	50	6-#9	—	3-#11	18	#3	2@6, 12@8, 4@12	K TOP BARS EA END 1'-0" BEARING E.F. EXTRA. PLACE BOTT. BARS IN 2 LAYERS
286	12	21	4-#6	—	4-#7	12	#3	3@4, 3@6	EXTEND TOP BAR ACROSS 2@4, = 18" & K EACH END. TOP BAR FROM 286, 1'-0" BEARING ON WALL
287	12	21	4-#6	—	4-#7	14	#3	3@4, 4@6	
288	12	17	4-#6	—	4-#6	14	#3	3@6, 4@12	K TOP BARS EA. END 1'-0" BEARING
289	12	21	4-#6	—	4-#7	12	#3	3@4, 3@6	EXTEND TOP BARS ACROSS 2@4 = 18" & K EA. END. 1'-0" BEARING ON WALL
2810	12	21	4-#6	—	4-#7	14	#3	3@4, 4@6	TOP BARS FROM 289
2811	12	64	3-#7	—	3-#7		#3	12" O.C.	6 & 6½" E.F. IN ROW. SEE TOP OF S28 1'-0" BEARING E.E.

NOTE: BEAMS 2811 AND 2812 SHOWN ON THIS PLAN AT GRID LINE 7 (D TO E & F TO G) ARE SCHEDULED WITH MAIN FLOOR FRAMING PLAN AT POOL SHEET S6.



NOTE:
STRUCTURAL FABRICATOR TO FURNISH 4x3x¼ CONTINUOUS L FOR ANCHORING PRECAST UNITS TO BEAM, WALLS & SUB BEAMS. PROVIDE #4x10 OR 2" ANCHORS @ 3'-0" O.C. FOR WALL & BEAMS & #4x20 OR 2" FOR 8" BAND BEAMS.

48

INSTRUCTIONAL BUILDING FOR PHYSICAL EDUCATION

ST. CLOUD STATE COLLEGE — ST. CLOUD, MINNESOTA

DEPARTMENT OF ADMINISTRATION
ROOM 120 STATE CAPITOL BUILDING
ARCHITECTURAL AND ENGINEERING DIVISION

STATE OF MINNESOTA
ST. PAUL, MINNESOTA

A. J. NELSON, STATE ARCHITECT

MAIN FLOOR FRAMING PLAN AT GYM

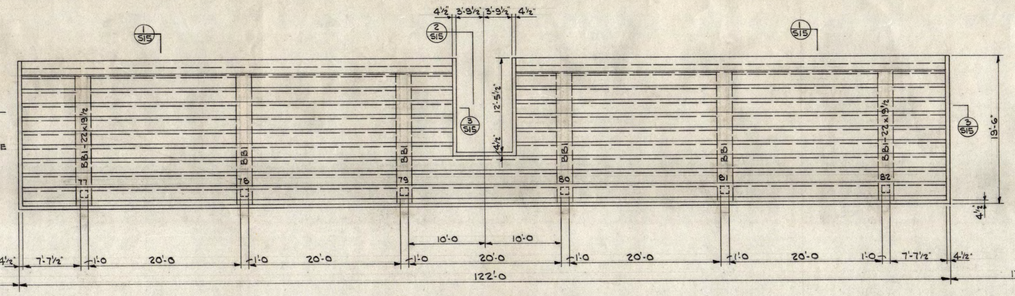
TRAYNOR AND HERMANSON ARCHITECTS ST. CLOUD

STRUCTURAL ENGINEERS: JOHNSTON & SAHLMAN — MINNEAPOLIS, MINN.
CONSULTING ENGINEERS: GAUSMAN & MOORE, INC. — ST. PAUL, MINN.

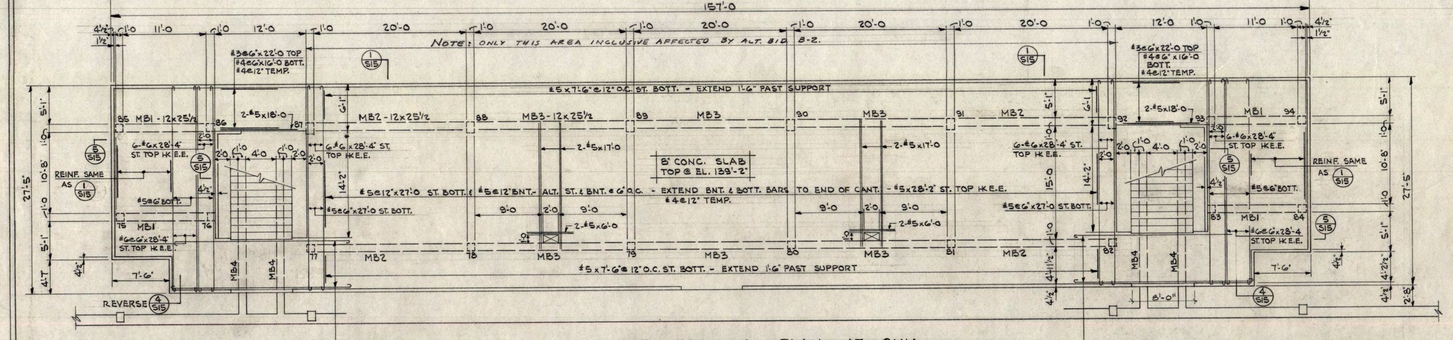
APPROVED BY PRESIDENT ST. CLOUD STATE COLLEGE
APPROVED BY STATE COLLEGE BOARD
APPROVED BY COMMISSIONER OF ADMINISTRATION AN AUTHORIZED SIGNATURE
DATE 1-17-1963
REVISIONS
△ AS BUILT -
DRAWN J.W.S.
CHECKED

SHEET S14 OF 18

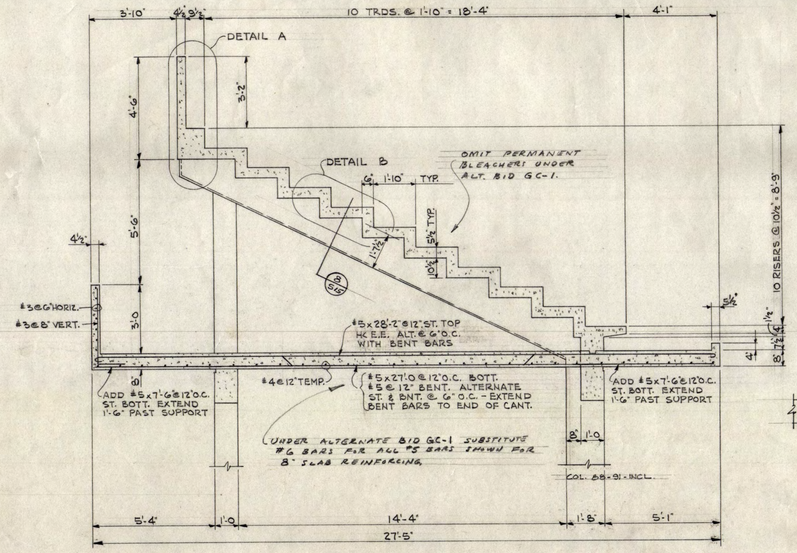
STATE PROJECT NUMBER 3425



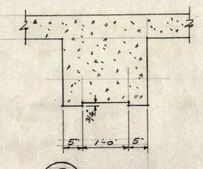
PERMANENT BLEACHER FRAMING PLAN AT GYM.
1/8" = 1'-0



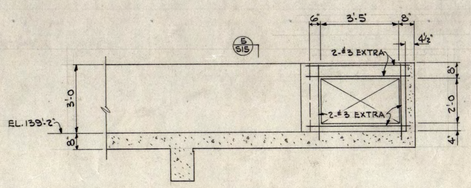
MEZZANINE FRAMING PLAN AT GYM.
1/8" = 1'-0



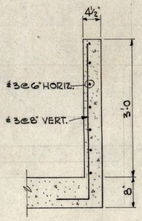
1 / S15 3/8" = 1'-0



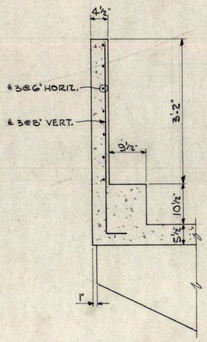
8 / S15 3/4" = 1'-0"



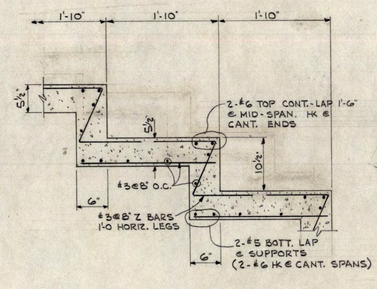
4 / S15 3/8" = 1'-0



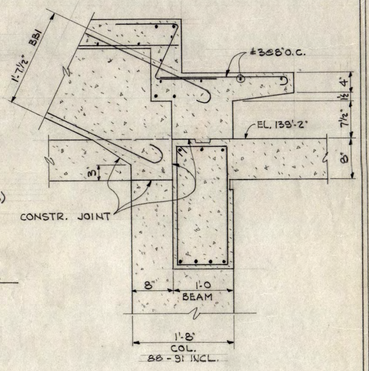
5 / S15 3/8" = 1'-0



DETAIL A
3/4" = 1'-0



DETAIL B
TYPICAL RISER & SLAB REINF.
1" = 1'-0

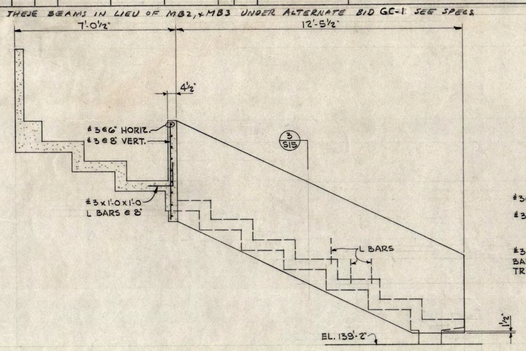


DETAIL C
1" = 1'-0

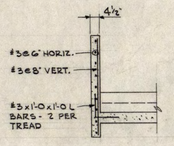
CONCRETE BEAM SCHEDULE

MARK	B	D	STRAIGHT	BENT	STR. TOP	STIRRUPS OR TIES NO.	SIZE	SPACING EACH END	REMARKS
BB1	22	18½	6-#9	—	5-#8	10	#3	#4 @ 6" TIES REMAINDER 2' O.C.	HK TOP & BOTT. BARS EA. END
MB1	12	25½	4-#6	—	3-#6	10	#3	STIRR. 2@6", 3@12".	DO BB1
MB2	12	25½	2-#7	2-#9	2-#8 x 11'-0	18	#3	STIRR. 3@6, 3@8, 3@12"	HK ST. & BNT. @ STAIR OPNG. CTR. ST. TOP ON ℄ OF SPAN - EXTEND BNT. 1/4 GREATER L INTO ADJ. SPAN
MB3	12	25½	2-#7	2-#9	2-#8 x 11'-0	18	#3	STIRR. 3@6, 3@8, 3@12"	CTR. ST. TOP ON ℄ OF SPAN - EXTEND BNT. 1/4 GREATER L INTO ADJ. SPANS.
MB4	12	21½	2-#11 2-#11	—	2-#9 x 13'-0	16	#3	3@6, 2@12, 3@24	SEE DETAIL SHEET S8
* MB2A	16	25½	3-#6	3-#8	3-#8 x 11'-0	18	#3	3@6, 3@8, 3@12	do MB2
* MB3A	16	25½	3-#6	3-#8	3-#8 x 11'-0	18	#3	do.	do MB3
MR1	12"	24"	3-#9	—	3-#8	14	#3	STIRR. 3@6", 4@24"	UPTURNED BM. - POUR WITH SLAB HK TOP & BOTT. EA. END
MR2	8"	23½	2-#7	—	2-#6	8	#3	STIRR. 3@6", 1@12"	POUR WITH SLAB - HK TOP & BOTT. E.E.
MR3	8"	21½	2-#5	—	2-#5	-	#3	24" O.C. TIES	DO MR2

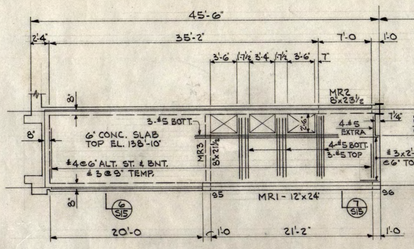
* USE THESE BEAMS IN LIEU OF MB2, & MB3 UNDER ALTERNATE BID GC-1 SEE SPEC.



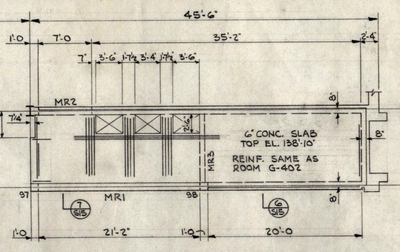
2 / S15 3/8" = 1'-0



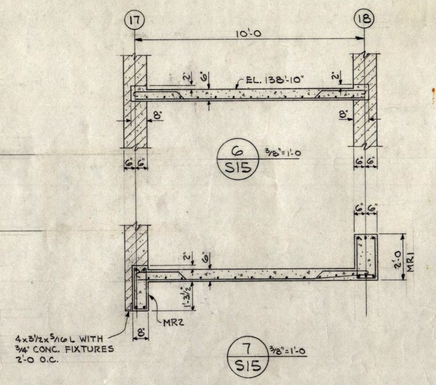
3 / S15 3/8" = 1'-0



FLOOR FRAMING PLAN - ROOM G-402
1/8" = 1'-0



FLOOR FRAMING PLAN - ROOM G-401
1/8" = 1'-0



6 / S15 3/8" = 1'-0

7 / S15 3/8" = 1'-0

49

INSTRUCTIONAL BUILDING FOR PHYSICAL EDUCATION
ST. CLOUD STATE COLLEGE — ST. CLOUD, MINNESOTA

DEPARTMENT OF ADMINISTRATION
ROOM 120 STATE CAPITOL BUILDING
ARCHITECTURAL AND ENGINEERING DIVISION
STATE OF MINNESOTA
ST. PAUL, MINNESOTA

A. J. NELSON, STATE ARCHITECT

PERMANENT BLEACHER PLAN & DETAILS

TRAYNOR AND HERMANSON ARCHITECTS ST. CLOUD

STRUCTURAL ENGINEERS: JOHNSTON & SAHLMAN — MINNEAPOLIS, MINN.
CONSULTING ENGINEERS: GAUSMAN & MOORE, INC. — ST. PAUL, MINN.

APPROVED BY PRESIDENT ST. CLOUD STATE COLLEGE
APPROVED BY STATE COLLEGE BOARD
APPROVED BY COMMISSIONER OF ADMINISTRATION AN AUTHORIZED SIGNATURE
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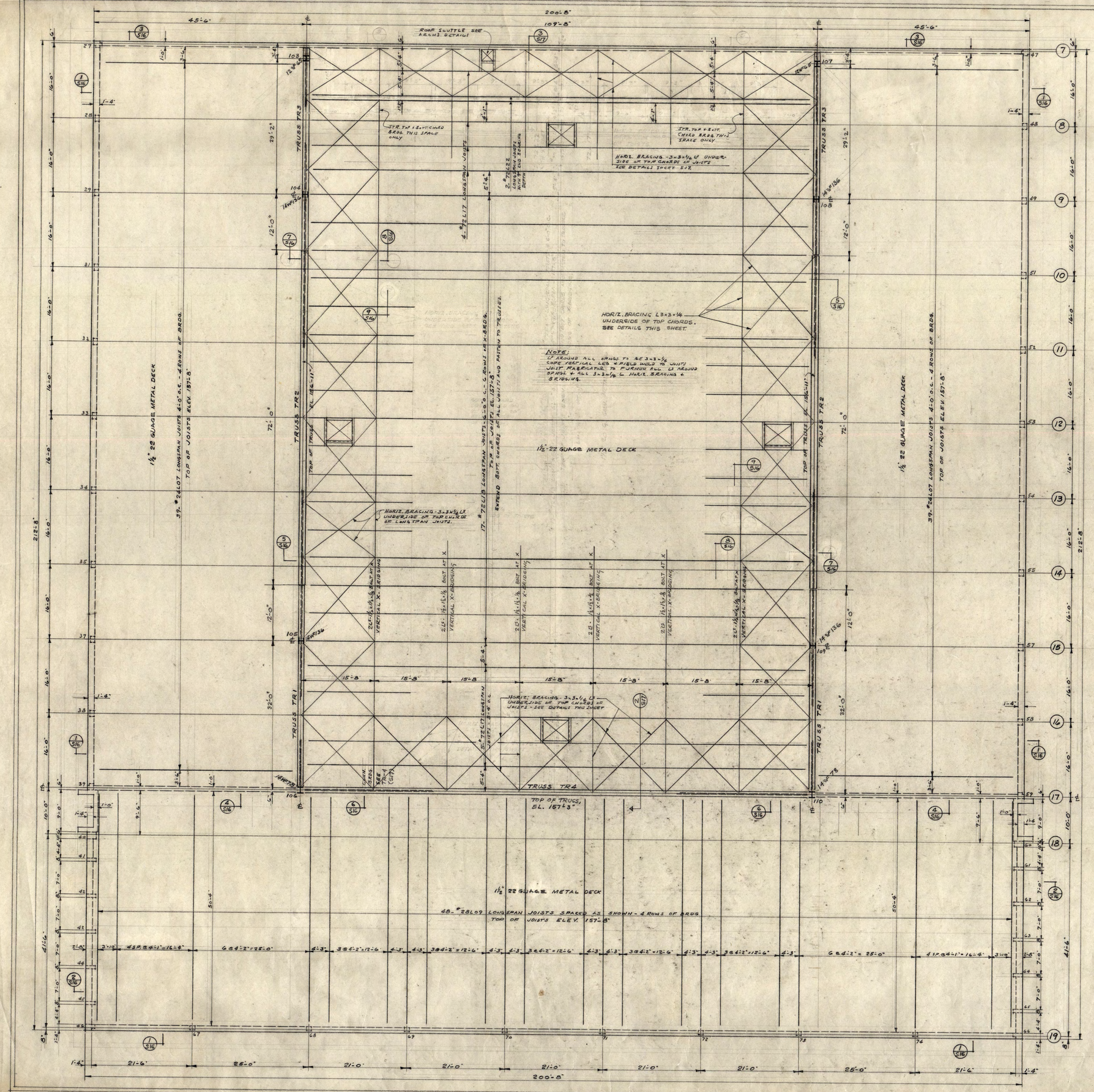
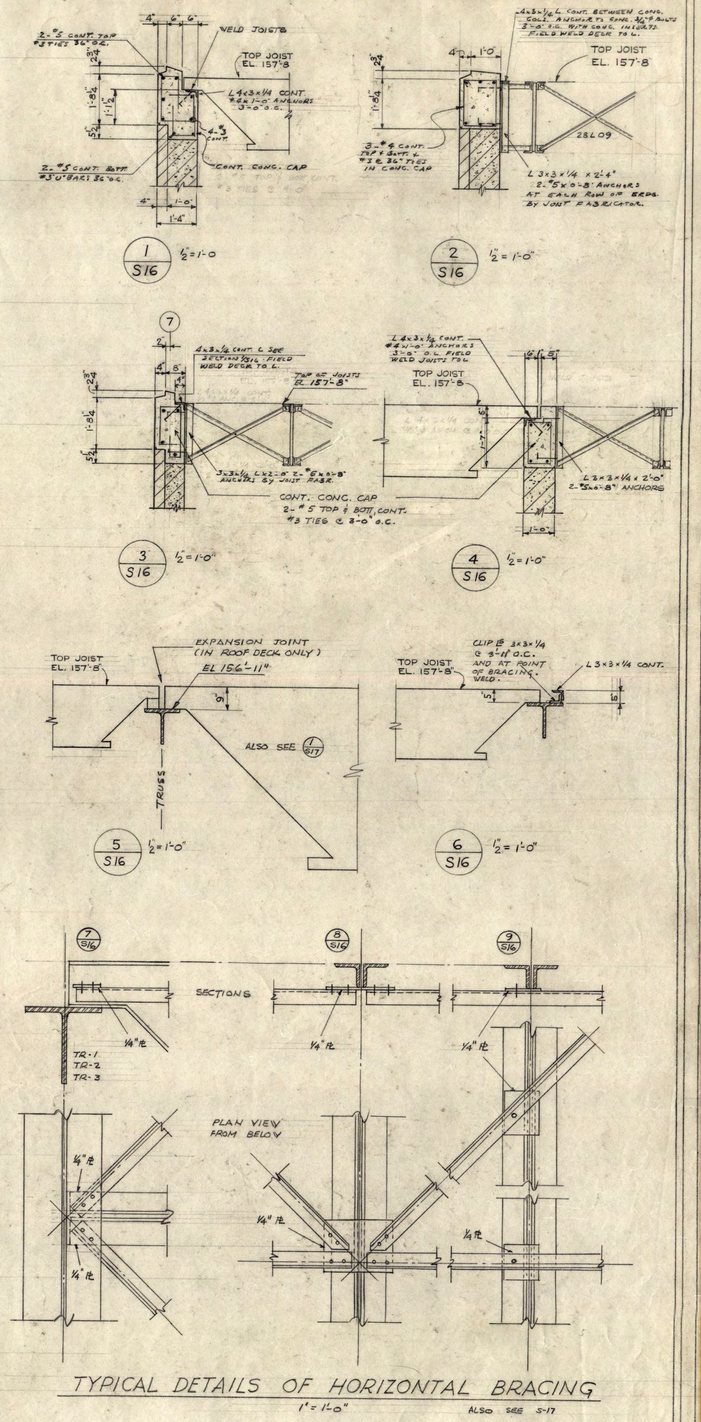
CHECKED J. W. S.

SHEET S15 OF 18
STATE PROJECT NUMBER 3425





50

INSTRUCTIONAL BUILDING FOR PHYSICAL EDUCATION

ST. CLOUD STATE COLLEGE — ST. CLOUD, MINNESOTA

DEPARTMENT OF ADMINISTRATION
ROOM 120 STATE CAPITOL BUILDING
ARCHITECTURAL AND ENGINEERING DIVISION

STATE OF MINNESOTA
ST. PAUL, MINNESOTA

A. J. NELSON, STATE ARCHITECT

ROOF FRAMING PLAN AT GYM

TRAYNOR AND HERMANSON ARCHITECTS ST. CLOUD

STRUCTURAL ENGINEERS: JOHNSTON & SAHLMAN — MINNEAPOLIS, MINN.
CONSULTING ENGINEERS: GAUSMAN & MOORE, INC. — ST. PAUL, MINN.

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APPROVED BY _____ STATE COLLEGE BOARD
APPROVED BY _____ COMMISSIONER OF ADMINISTRATION AN AUTHORIZED SIGNATURE
DATE 1-17-1963 — REVISIONS △ AS BUILT
DRAWN J.W.S. + H.L.
CHECKED J.W.S.

SHEET S16 OF 18

STATE PROJECT NUMBER 3425