

22 c

addition to and renovation of

LAWRENCE CENTRAL HIGH SCHOOL

for the

METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

These drawings are hereby approved and adopted
this 18th day of December, 1989,
by the board of education, the superintendent of schools,
the assistant superintendent for business and operations,
and the director of business
of the metropolitan school district of lawrence township

ADMINISTRATION

Percy Clark, Jr.
Dr. Percy Clark, Jr.
SUPERINTENDENT

Edward M. Williams
Dr. Edward M. Williams
ASSISTANT SUPERINTENDENT
FOR BUSINESS AND OPERATIONS

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Mr. Pearson L. Miller
DIRECTOR OF BUSINESS

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Mr. Donnie L. Smith
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Mr. James H. Davie
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Kathryn S. Poole
Mrs. Kathryn S. Poole
MEMBER

Approved and adopted this 6th day
of February, 1990, by the Lawrence
Central High School Building Corporation
for the Metropolitan School
District of Lawrence Township,
Indianapolis, Indiana

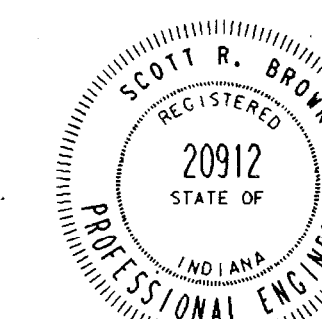
Mary Bolles
Mary Bolles
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Ann Mercho
VICE PRESIDENT

Diann Lasher
Diann Lasher
SECRETARY

EVERETT I.
BROWN Company
Architects & Engineers

950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 257-7000



Scott R. Brown
SCOTT R. BROWN
REGISTERED ENGINEER NO. 20912

CIVIL

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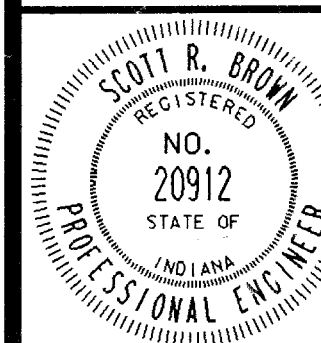
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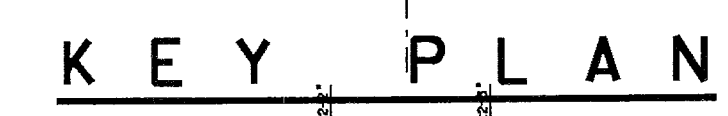
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LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANAEVERETT L. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
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(317) 237-1000PROJECT
871-110DATE
DEC. 18, 1989

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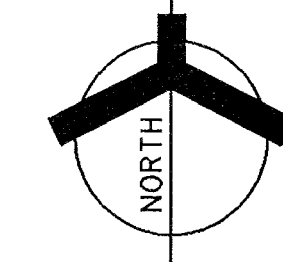


NOT TO SCALE

	MATCH EXISTING ELEVATION		WOVEN WIRE CONSTRUCTION FENCE
	EXISTING ELEVATION		PLASTIC CONSTRUCTION FENCE
	FINISH ELEVATION		CONSTRUCTION FENCE
	EXISTING CONTOUR LINE		VALLEY LINE
	FINISH CONTOUR LINE		WORK LIMIT DESIGNATOR
	BORING HOLE NUMBER AND LOCATION		EXISTING TREE TO REMAIN
	MANHOLE		EXISTING EVERGREEN TO REMAIN
	CATCH BASIN		TREE PROTECTION
	CURB INLET		EXISTING TREE LINE
	NEW CONCRETE WALK		PROPERTY LINE
	NEW BITUMINOUS PAVING		INVERT
	EXISTING UTILITY POLE		NOMINAL FIRST FLOOR ELEVATION
	EXISTING LIGHT POLE		SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT		

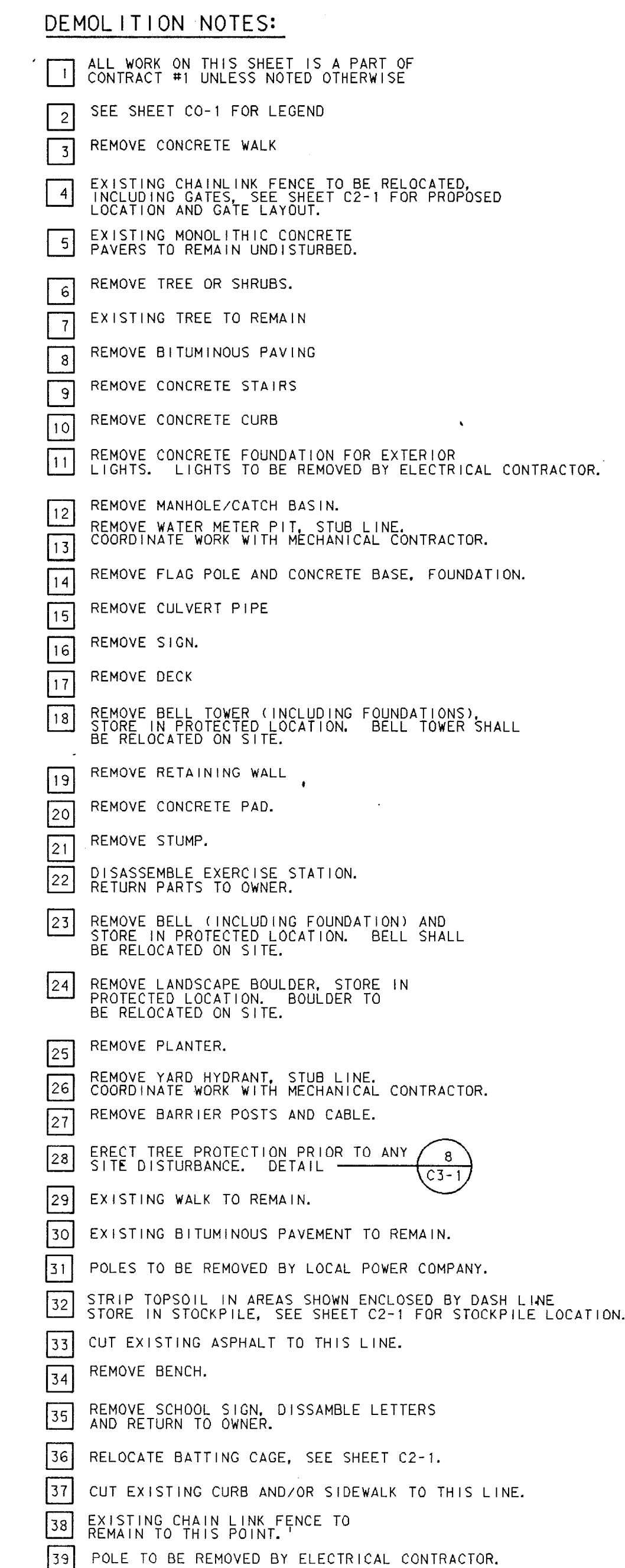


SCALE: 1" = 60'

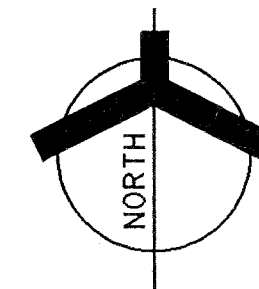


THIS DRAWING INCLUDES WORK TO BE BID IN THE FUTURE, DURING PHASE II

THE FOLLOWING DRAWINGS INCLUDES THE WORK TO BE BID NOW AS A PART OF THIS PACKAGE, PHASE I.

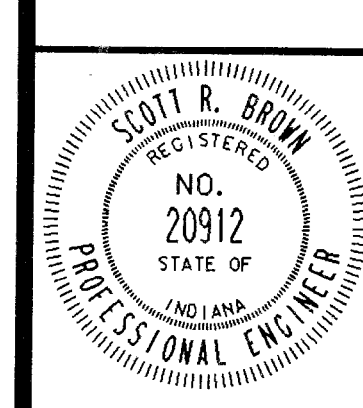


SCALE: 1" = 40'



ADDITION TO and RENOVATION OF **LAWRENCE CENTRAL HIGH SCHOOL** for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP MARION COUNTY, INDIANA

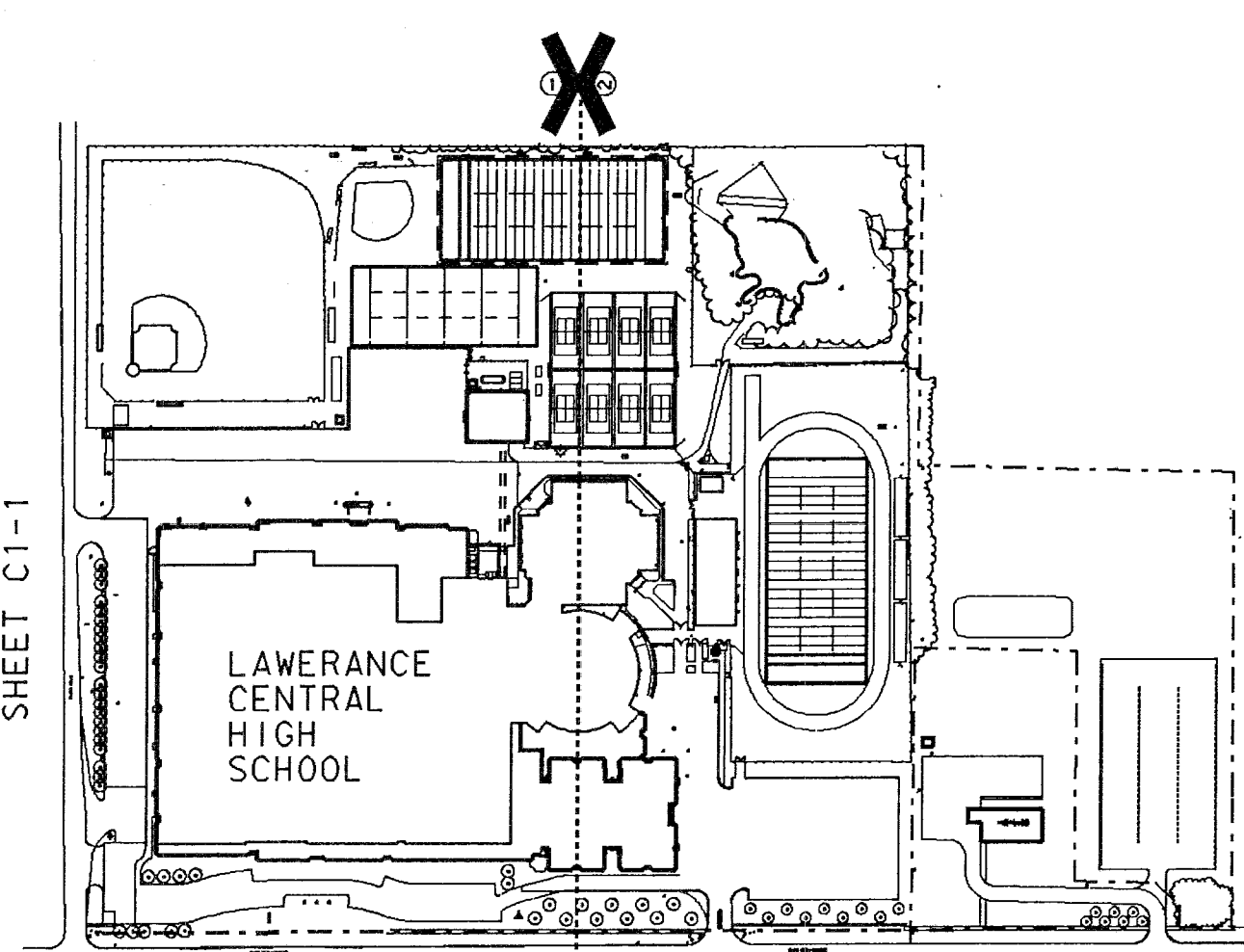
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 Architects & Engineers
 950 NORTH MERIDIAN STREET
 INDIANAPOLIS, INDIANA 46204
 (317) 237-1000



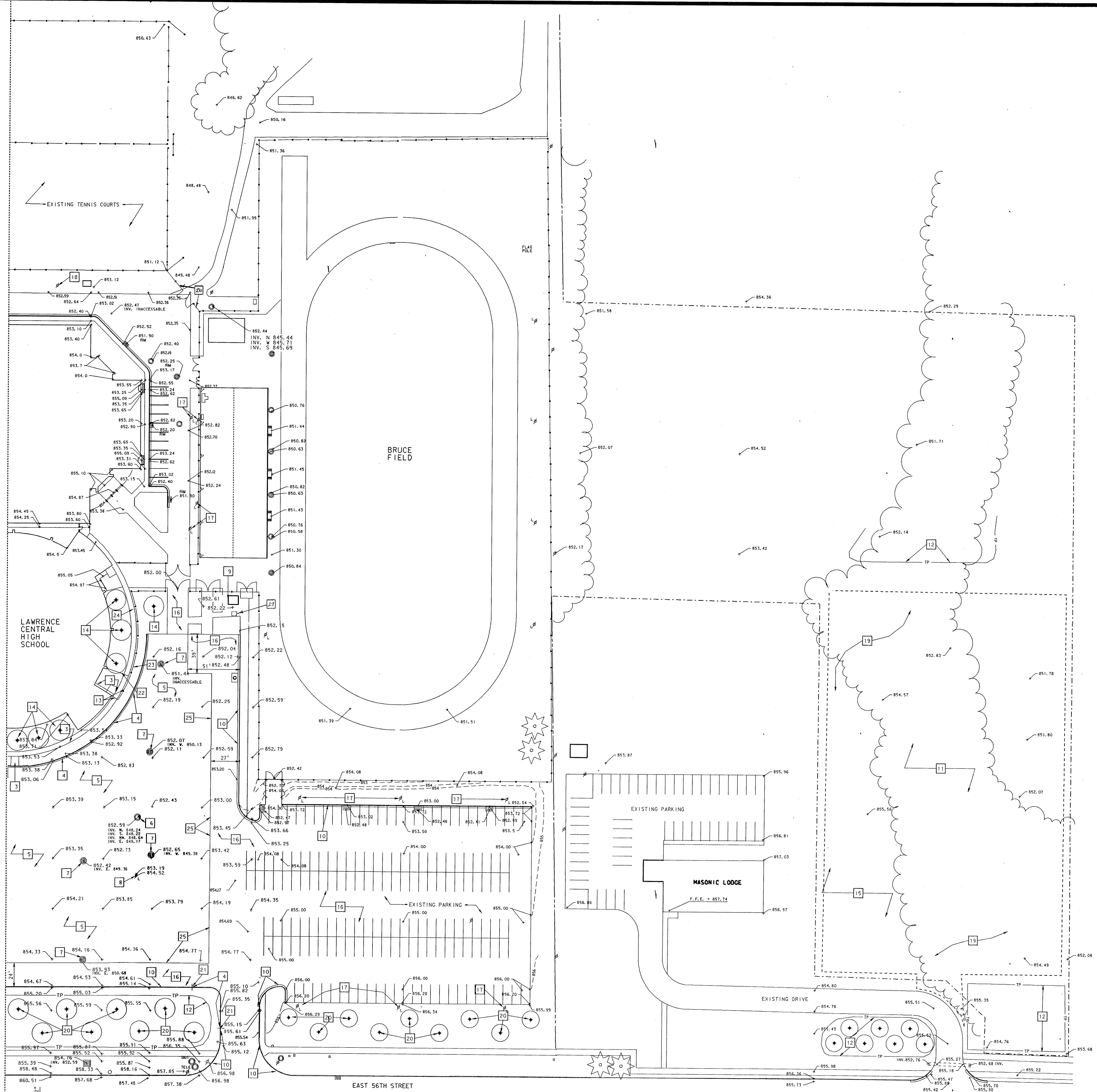
PROJECT
 871-110
 DATE
 DEC. 18, 1989
 REVISED

DEMOLITION NOTES:

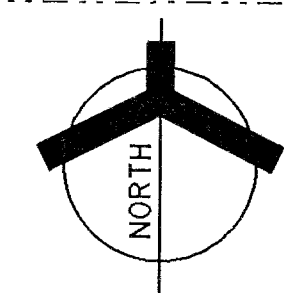
- 1 ALL WORK IS A PART OF CONTRACT #1 UNLESS NOTED OTHERWISE.
- 2 SEE SHEET C0-1 FOR LEGEND.
- 3 REMOVE EXISTING CONCRETE WALK.
- 4 REMOVE CONCRETE CURB.
- 5 REMOVE BITUMINOUS PAVEMENT.
- 6 REMOVE MANHOLE.
- 7 REMOVE CATCH BASIN.
- 8 REMOVE CONCRETE LIGHT POLE BASE. LIGHT POLE TO BE REMOVED BY ELECTRICAL CONTRACTOR.
- 9 TICKET BOOTH TO BE RELOCATED, SEE SHEET C2-3.
- 10 EXISTING CURB TO REMAIN.
- 11 REMOVE EXISTING TREES AND UNDERGROWTH.
- 12 ERECT TREE PROTECTION PRIOR TO ANY SITE DISTURBANCE. SEE DETAIL 8/C3-1.
- 13 REMOVE CHAIN LINK FENCE.
- 14 REMOVE TREE.
- 15 CLEAR OVERGROWN FIELD.
- 16 EXISTING BITUMINOUS PAVEMENT TO REMAIN.
- 17 EXISTING PARKING LIGHT POLES TO REMAIN.
- 18 POLES TO BE REMOVED BY LOCAL POWER COMPANY.
- 19 STRIP TOPSOIL IN AREA ENCLOSED BY DASHED LINE. STOCKPILE TOPSOIL IN AREA SHOWN ON SHEET C2-3.
- 20 EXISTING TREE TO REMAIN.
- 21 CUT CONCRETE CURB TO THIS POINT.
- 22 CUT CONCRETE WALK TO THIS POINT.
- 23 CHAIN LINK FENCE TO REMAIN TO THIS POINT.
- 24 EXISTING CONCRETE WALK TO REMAIN.
- 25 CUT EXISTING ASPHALT TO THIS LINE.
- 26 REMOVE EXISTING CHAIN LINK FENCE AND FENCES TO BE RELOCATED DURING CONSTRUCTION. SEE SHEET C2-3.
- 27 RELOCATED ELECTRICAL BOX - SEE ELEC. SHEET.



KEY PLAN
 NOT TO SCALE



REMOVAL PLAN EAST
 SCALE: 1" = 40'



LOG: JAMES SHEET
 LOG: JAMES C110
 LOG: JAMES C110
 Ref: 11116 LAWRENCE, DON
 Level: 1240
 Ref: 11116 LAWRENCE, DON
 Level: 1240
 Ref: 11116 LAWRENCE, DON
 Level: 1240
 Ref: 11116 LAWRENCE, DON
 Level: 1240

- (1) ALL WORK SHOWN ON THIS SHEET IS A PART OF CONTRACT #1 UNLESS OTHERWISE NOTED.
- (2) LEGEND LOCATED ON SHEET CO-1.
- (3) UNDERGROUND TUNNEL.
- (4) TRANSFORMER ON CONCRETE PAD.
DETAIL 4/C3-1. 6" CRUSHED
STONE PAVEMENT.
- (5) CRUSHED GRAVEL PAVEMENT-DETAIL 5/C3-1.
- (6) EXISTING CONCRETE WALK TO REMAIN.
- (7) RELOCATED FENCE AND GATES SEE SHEET C1-1.
- (8) RELOCATED BATTING CAGE.
- (9) STORAGE TRAILER.
- (10) PRACTICE FOOTBALL/SOCCER FIELD.
- (11) EXIT TUNNEL.
- (12) EXERCISE STATION.
- (13) CONSTRUCTION CHAIN LINK FENCE. 6' HT
WITH 3" GATES.
- (14) TEMPORARY BITUMINUM WALK. DETAIL 4/C3-1.
- (15) EXISTING BLEACHER.

- (16) MAINTAIN POSITIVE DRAINAGE AWAY FROM THE BUILDING AT ALL TIMES DURING CONSTRUCTION. (HIGH GRADE)
- (17) WORK LIMIT DESIGNATORS A DO NOT DISTURB IN ANY MANNER THE AREA OUTSIDE WORK LIMIT DESIGNATORS A, B, C, ..., F, A.
- (18) DO NOT STORE EQUIPMENT, TRASH, OR MATERIAL OF ANY TYPE INSIDE THE TREE PROTECTION CONSTRUCTION FENCE.
- (19) CONTRACTOR AREA
- (20) NEW CRUSHED STONE PAVEMENT SHALL MEET EXISTING BITUMINOUS PAVEMENT ELEVATION.
- (21) REMOVE CONCRETE CURB TO THIS POINT.
- (22) CUT LINE OF EXISTING BITUMINOUS PAVEMENT.
- (23) CONCRETE FILLED POSTS. DETAIL 2 / C3-1.
- (24) NEW GATE.
- (25) NEW FIRE HYDRANT, SEE PLUMBING SHEET.
- (26) SEE DETAIL 2 / C3-1.
- (27) GRADE AND SEED AREA DISTURBED BY STORM SEWER INSTALLATION.
- (28) EXISTING MONOLITHIC CONCRETE PAVERS TO REMAIN UNDISTURBED

CAIRO DRIVE --
CRITIMINOUS PAVING)

SEE SHEET "C2-1"

SEE SHEET "C2-2"

P L O T P L A N

SCALE: 1" = 30'

SEE SHEET "C2-1"

SEE SHEET "C2-4"

**ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL**
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

**VERETT I.
BROWN**
Architects & Engineers
Company

950 NORTH MERIDIAN
INDIANAPOLIS, IN 46202
(317) 232-7000

PROJECT
871-110

DATE
DEC. 18, 1989

REVISÉD

NO. C2-1
OF 8

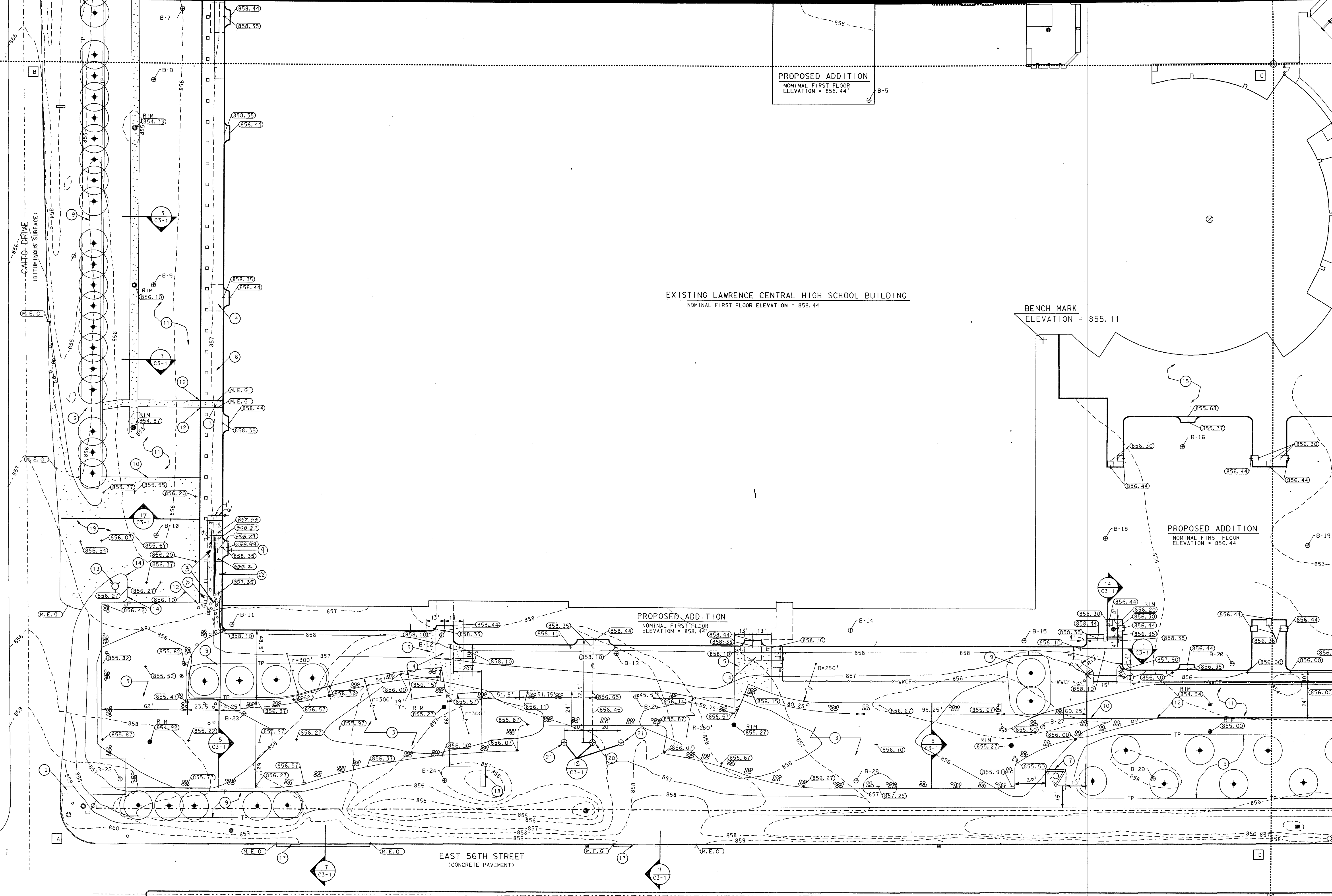
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DON FILE: LCAILCARC100.DON		
LEVELSET: 1-63		
Ref. file: LCARCSO1.DON	Log. name: SHEET	
Levelset: 1-63		
Ref. file: LCAIRC10.DON	Log. name: CH10	
Levelset: 1-7, 9-12, 14-18, 20, 21, 23-27, 29-33, 35-37, 39-50, 56-60		

SEE SHEET "C2-1"

SEE SHEET "C2-2"

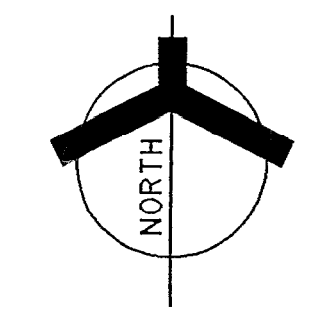
PLAN NOTES:

1. ALL WORK SHOWN ON THIS SHEET IS A PART OF CONTRACT #1 UNLESS OTHERWISE NOTED.
2. SEE LEGEND ON SHEET C0-1.
3. CRUSHED STONE PAVEMENT.
4. EXIT TUNNEL.
5. TEMPORARY BITUMINOUS WALK. DETAIL C3-1.
6. EXISTING CONCRETE WALK.
7. RELOCATED BELL TOWER. SEE DETAIL 11/C3-1.
8. WORK LIMIT DESIGNATORS: ALL WORK SHOWN ON THIS SHEET IS CONTAINED WITHIN THE AREA DEFINED BY DESIGNATORS A, B, C, D.
9. ERECT TREE PROTECTION. DETAIL C3-1. PRIOR TO ANY DISTURBANCE ON SITE, DO NOT STORE MATERIAL, REFUSE OR EQUIPMENT INSIDE THE AREA WITHIN THE DRIPLINE OF THE TREE.
10. NEW CRUSHED STONE PAVEMENT SHALL MEET THE ELEVATION OF THE EXISTING BITUMINOUS.
11. EXISTING BITUMINOUS PAVEMENT.
12. CUT EXISTING CONCRETE CURB TO THIS POINT.
13. FIRE HYDRANT SEE SHEET P2-4.
14. RADIUS 5' TYPICAL.
15. ROUGH GRADE THIS AREA TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING DURING CONSTRUCTION.
16. THIS DRAWING REFLECTS PHASE 1 SITE LAYOUT.
17. MATCH EXISTING CURB HEIGHT.
18. PROPOSED NEW SCHOOL SIGN LOCATION.
19. TEMPORARY BITUMINOUS DRIVE.
20. NEW 50' FLAGPOLE.
21. NEW 30' FLAGPOLE.
22. SEE STRUCTURAL SHEETS FOR LAYOUT AND DETAILS OF FENCE, WALL AND HAND-RAIL.



PLOT PLAN

SCALE: 1" = 30'

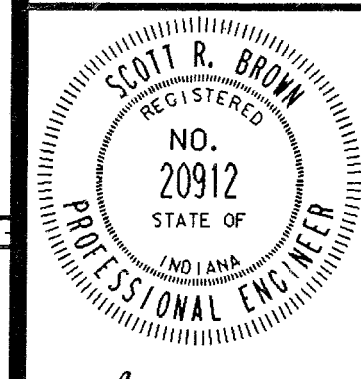


SEE SHEET "C2-2"

SEE SHEET "C2-3"

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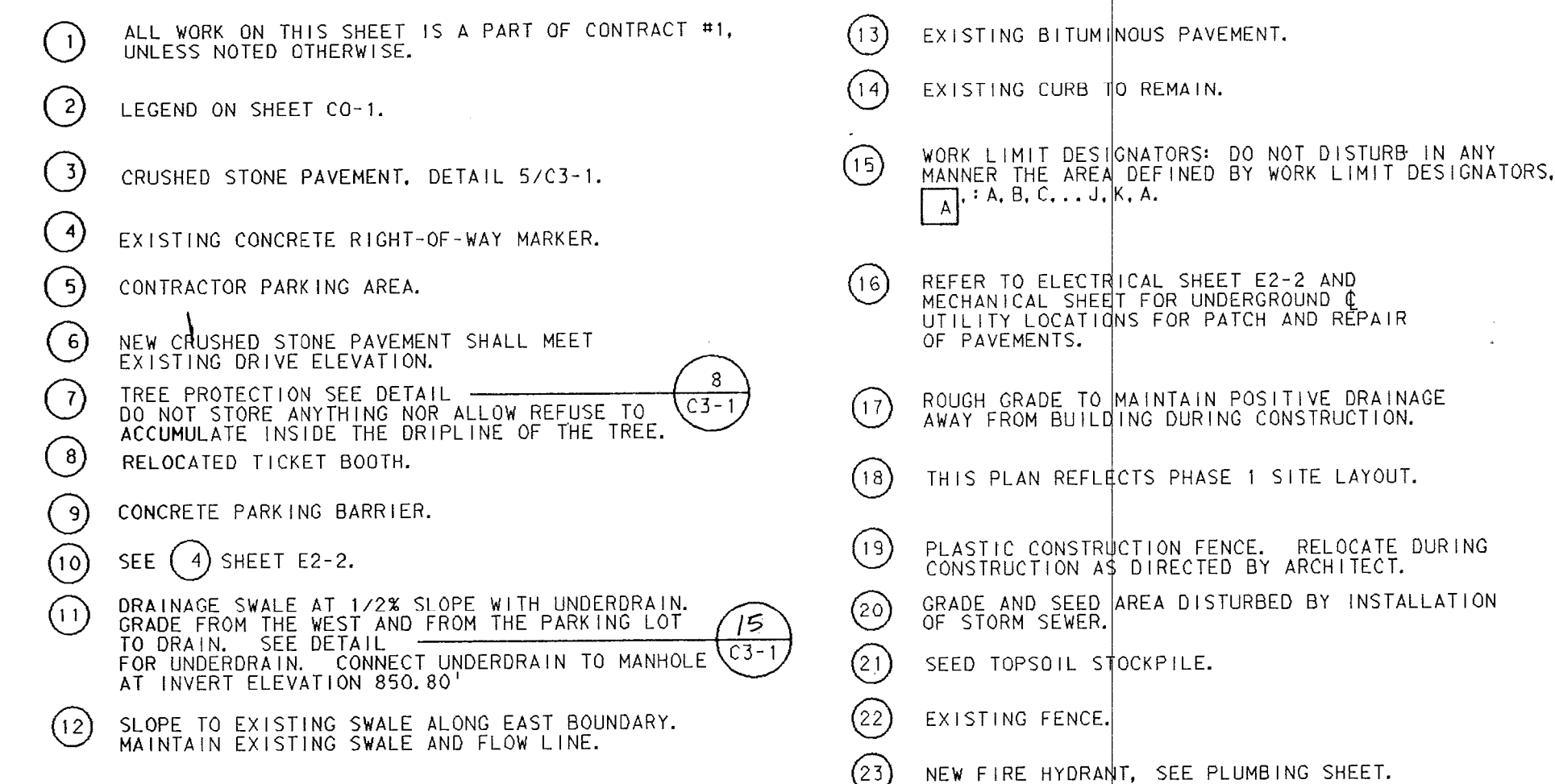
DATE
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REVISED

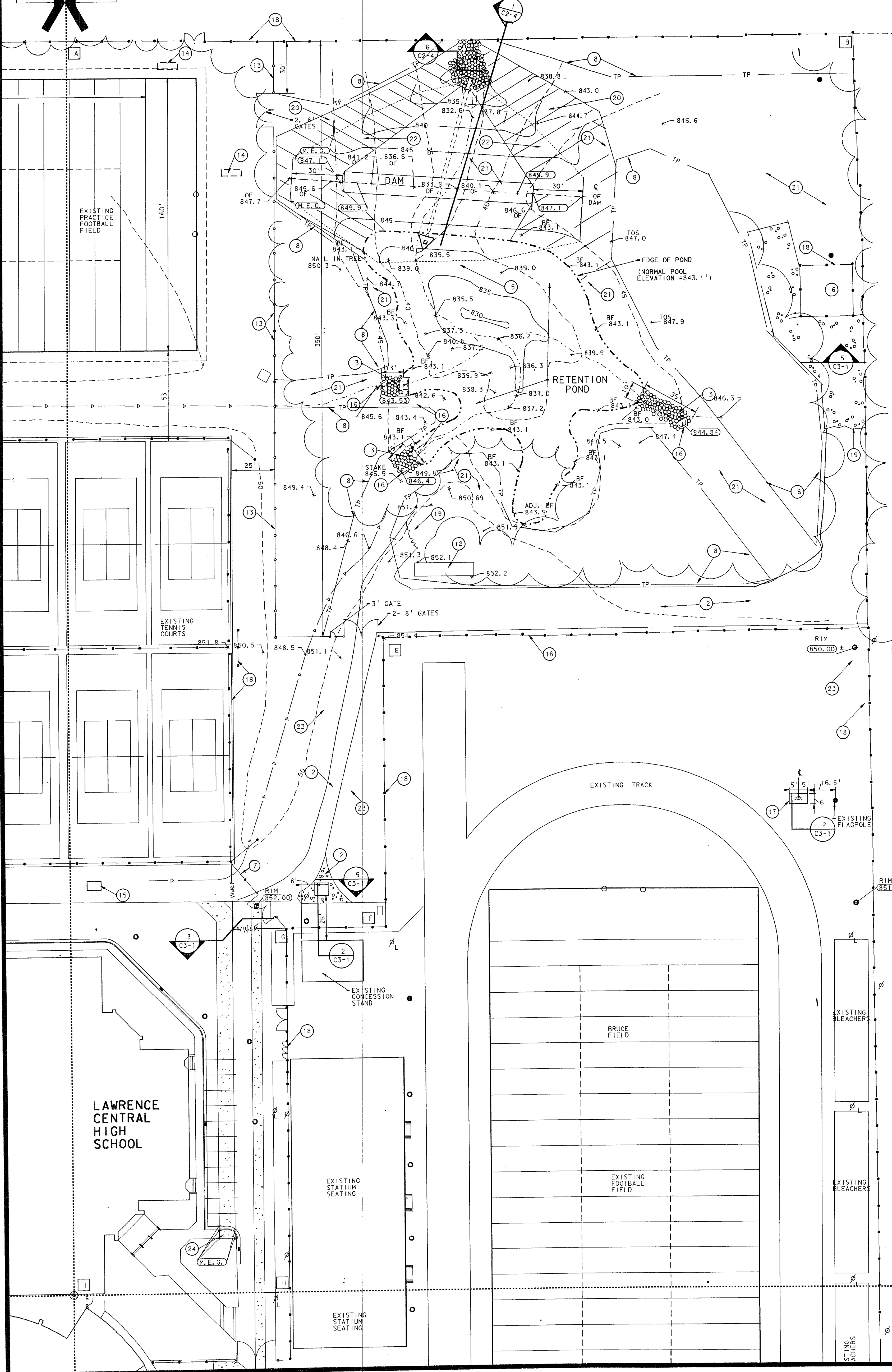
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Date: 12/17/89
Level: 1-83

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Level: 1-83

Log: L. J. 12/17/89 10:00
Level: 1-83

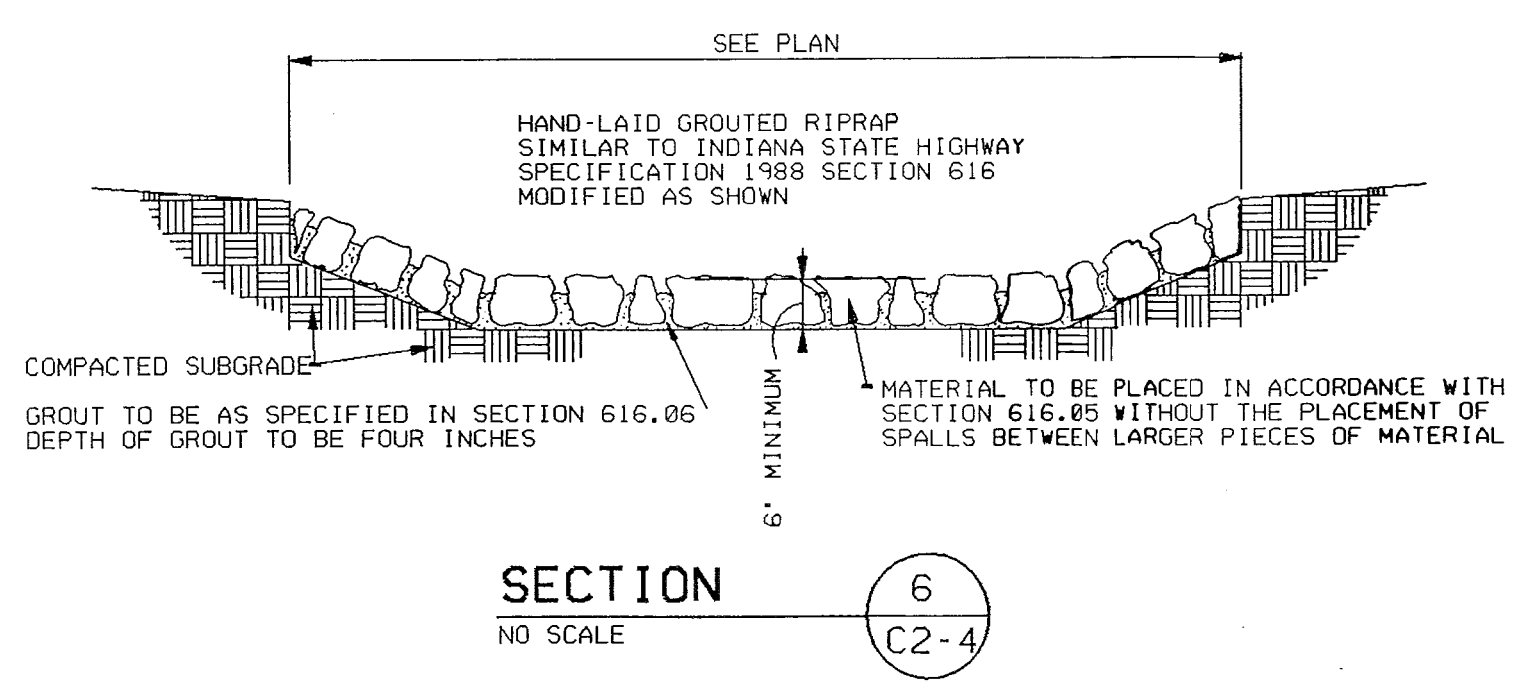
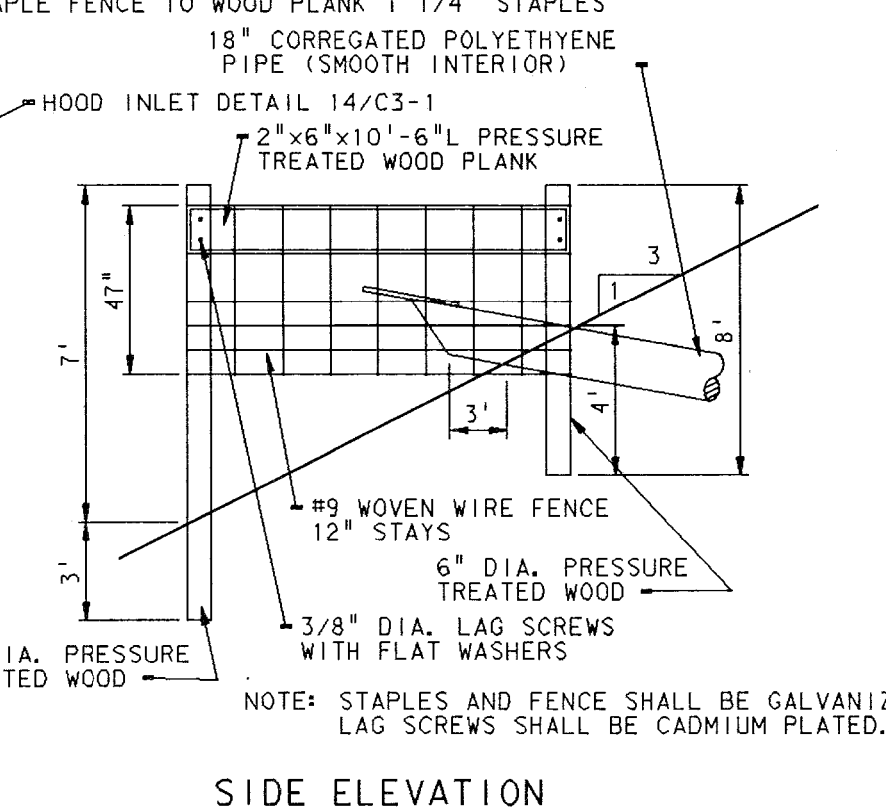
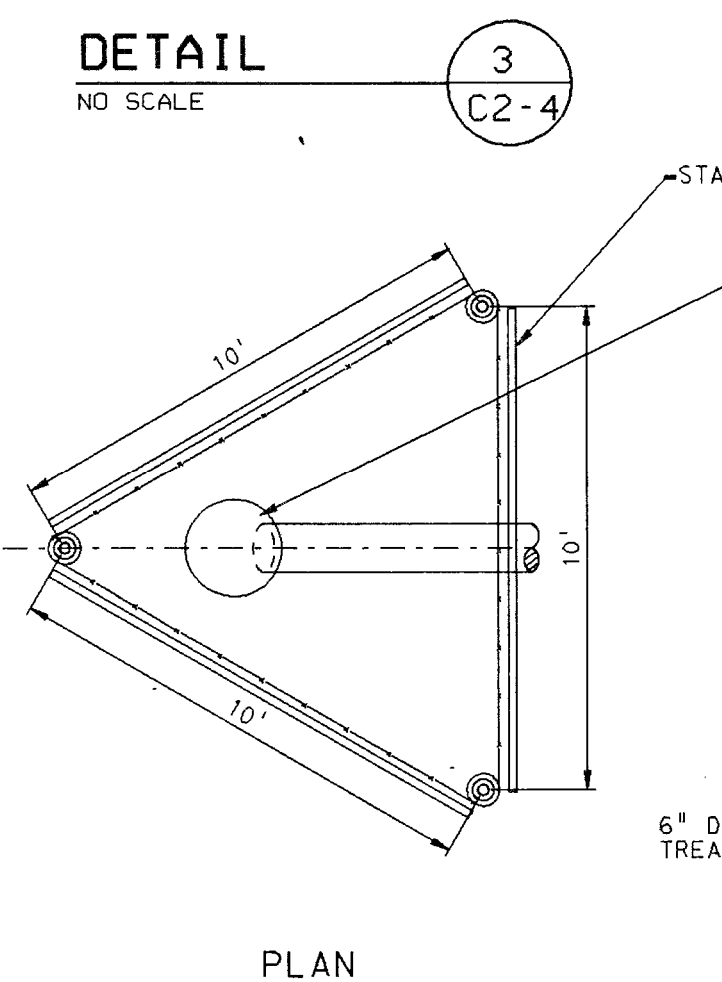
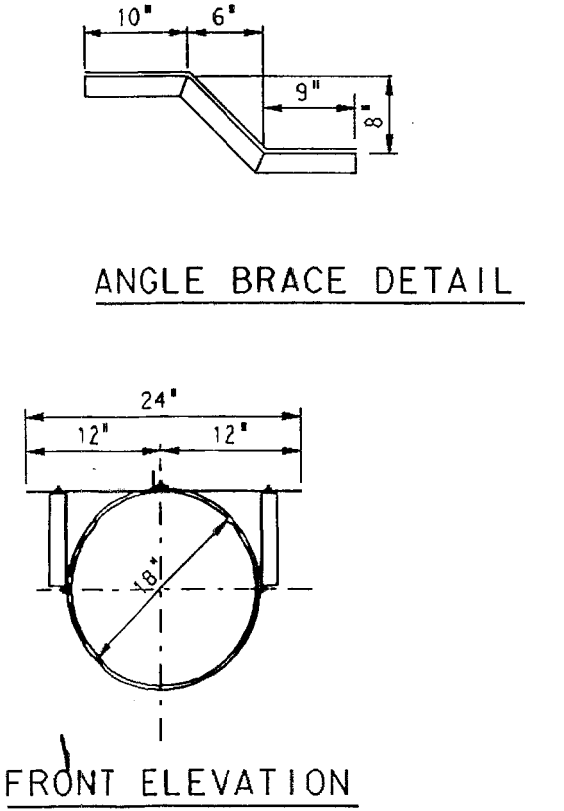
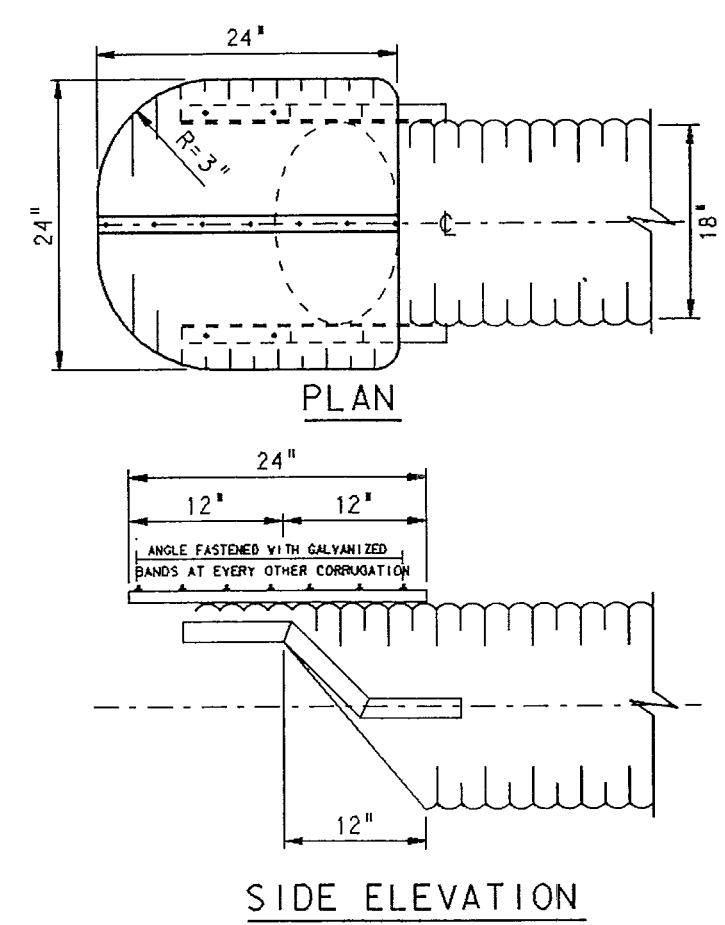
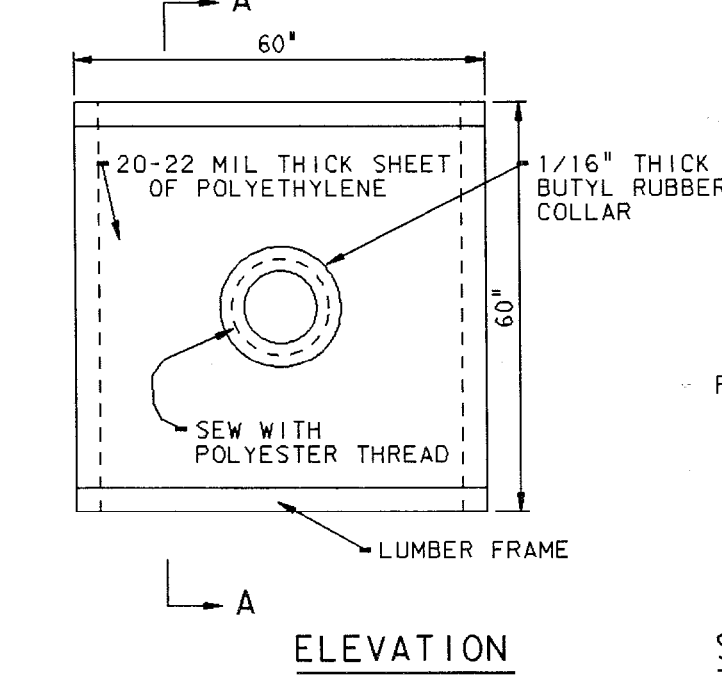
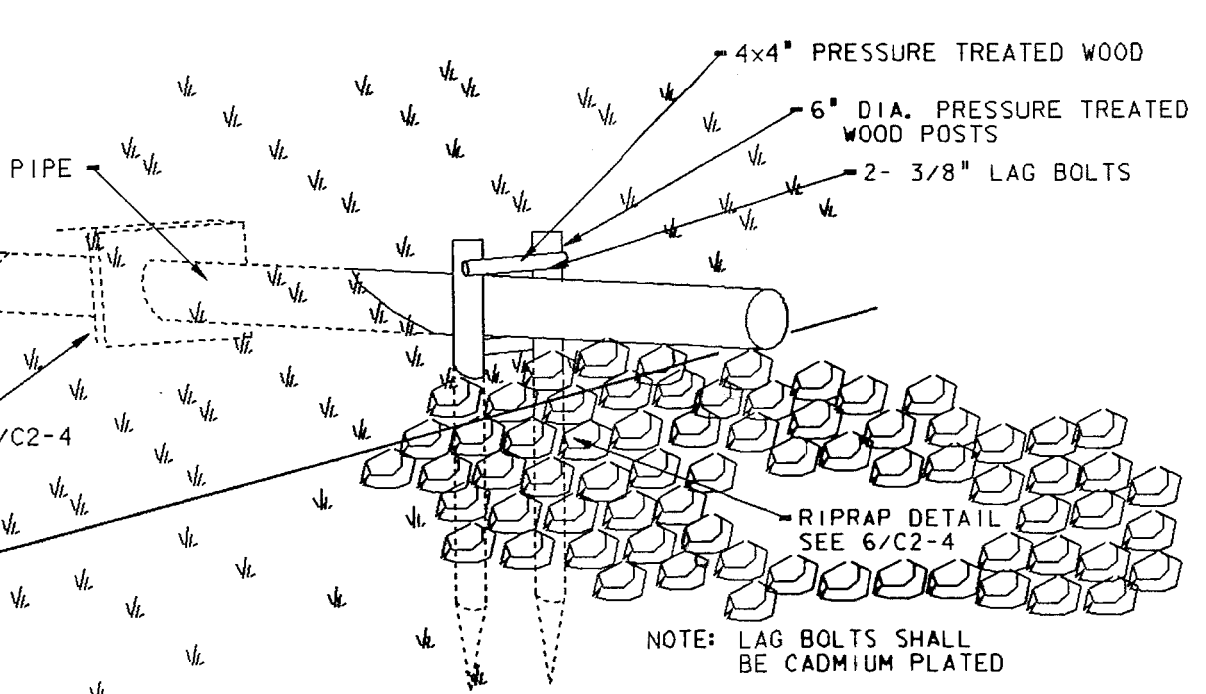
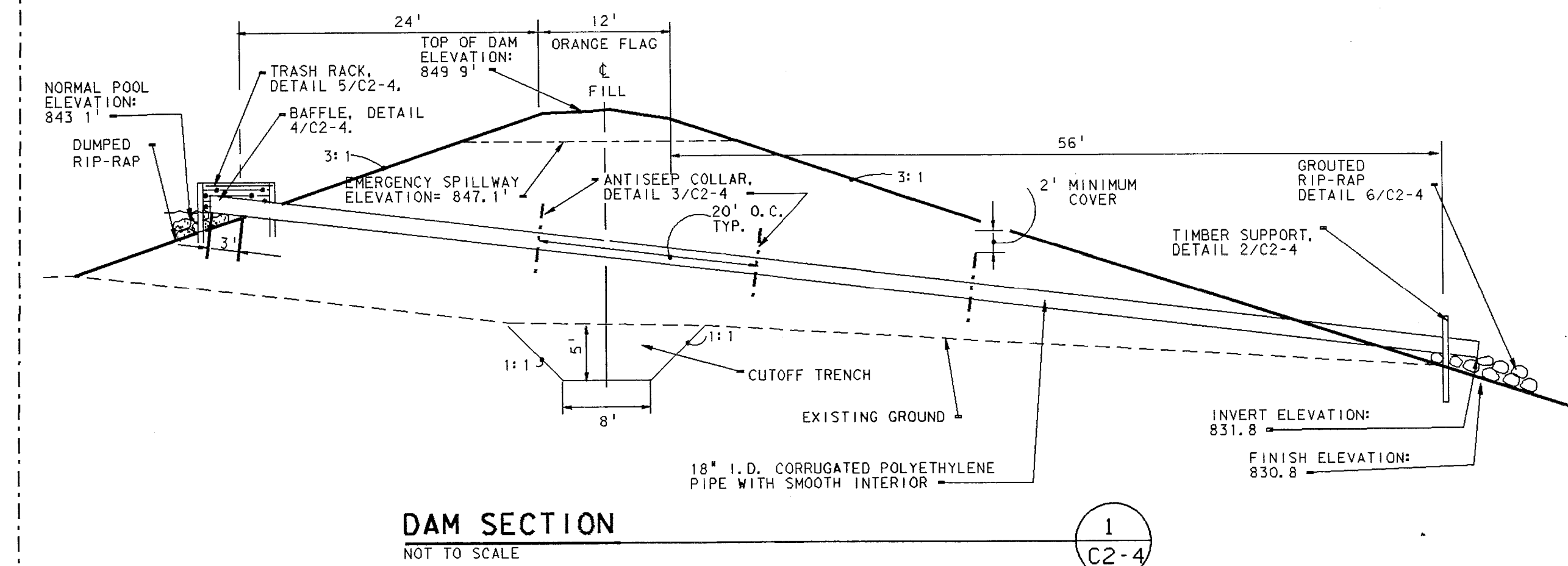


SEE SHEET "C2-1"
X
SEE SHEET "C2-4"



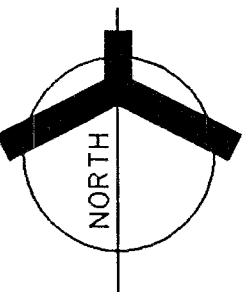
NOTES:

1. THE DAM AND POND DESIGN WAS PROVIDED COURTESY OF THE MARION COUNTY SOIL CONSERVATION SERVICE. QUESTIONS CONCERNING CONSTRUCTION AND SOIL CHARACTER MAY BE DIRECTED TO MR. RON DIXON, CONSERVATIONIST, AT THE SCS OFFICE, (317) 290-3551.
2. THIS LIST OF ESTIMATED QUANTITIES WAS PROVIDED AS A PART OF THE DESIGN AND SHOULD BE USED FOR INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE AMOUNTS FOR CONSTRUCTION.
CLEARING 1 ACRE
EARTH FILL, COMPACTED 2979 CU. YDS.
EXCAVATION 600 CU. YDS.
RIP-RAP 7 TONS
SEED AND MULCH 1 ACRE
3. SOIL BORINGS AT LOCATIONS ACROSS THE PROPOSED POND AREA, INDICATED LEAN SANDY OR GRAVELLY CLAYS, AT A DEPTH FROM 4 TO 7 FEET. TYPE CL UNIFIED SOIL CLASSIFICATION.
4. BOTTOM WIDTH OF THE EMERGENCY SPILLWAY= 30', 3:1 SIDE SLOPES.
5. TO COMPENSATE FOR SETTLEMENT, A FACTOR OF 5% HAS BEEN ADDED.
6. THE MOST IMPERVIOUS FILL IS TO BE USED IN THE DOWNSTREAM 1/3 OF THE DAM.
7. ALL PIPE CONNECTIONS ARE TO BE WATERTIGHT.
8. THERE SHALL BE NO LESS THAN 2' OF COVER ON ALL ANTISEEP COLLARS.



PLOT PLAN

SCALE: 1\"/>



SEE SHEET "C2-4"

SEE SHEET "C2-3"

PLAN NOTES:

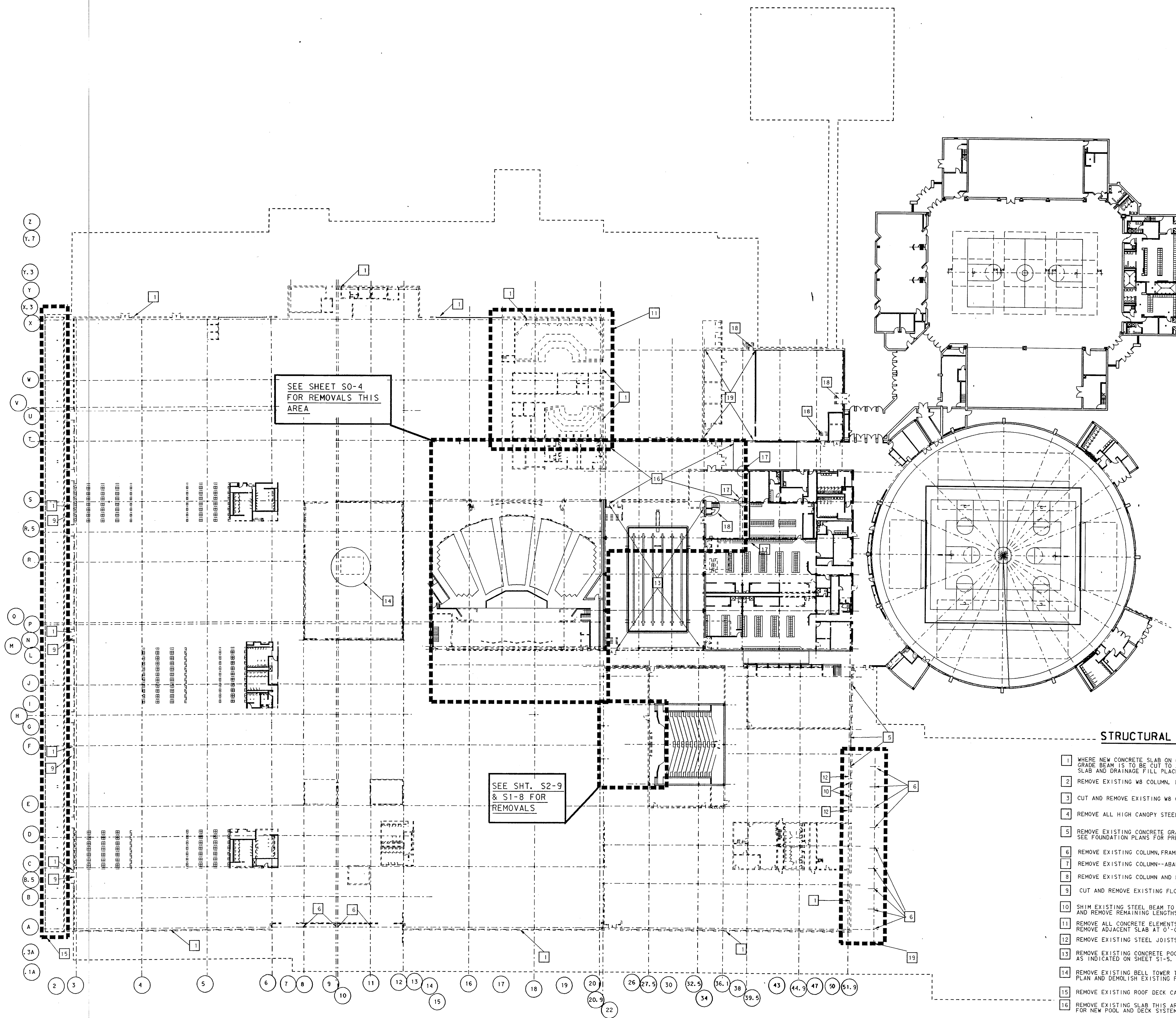
1. OF = ORANGE FLAG SET BY SOIL CONSERVATION SERVICE TO DENOTE E OF DAM.
BF = BLUE FLAG SET BY SOIL CONSERVATION SERVICE AT NORMAL POOL ELEVATION.
2. EXISTING CRUSHED STONE PAVEMENT, DETAIL 5/C3-1. RESTORE TO ORIGINAL CONDITION.
3. DUMPED RIP-RAP, 6\"/>
4. EARTH DAM, DETAIL 1/C2-4.
5. RETENTION POND- 4.3 ACRE FEET DETENTION CAPABILITIES. 8\"/>
6. EXISTING LIFT STATION TO REMAIN.
7. RELOCATED CHAIN LINK FENCE AND GATE, SEE SHEET C1-2.
8. ERECT TREE PROTECTION, DETAIL 1/C3-1. PRIOR TO ANY DISTURBANCE ON SITE. DO NOT ALLOW REFUSE, MATERIALS, OR EQUIPMENT TO BE STORED NOR ACCUMULATE IN THE AREA ENCLOSED BY THE TREE PROTECTION.
9. WORK LIMIT DESIGNATORS (A); DO NOT DISTURB ANY AREA OUTSIDE THE LIMITS DEFINED BY A, B, C, ..., M, I, A.
10. LEGEND ON SHEET C0-1.
11. ALL WORK SHOWN ON THIS SHEET IS A PART OF CONTRACT #1 UNLESS NOTED OTHERWISE.
12. EXISTING NATURE SHELTER TO REMAIN.
13. 6\"/>
14. EXISTING EXERCISE STATION.
15. EXISTING TICKET BOOTH.
16. STORM SEWER PIPE OUTLET AND END SECTION BY SITE MECHANICAL CONTRACTOR. SEE SHEET P2-2.
17. RELOCATED BELL. SEE SHEET C1-1.
18. EXISTING FENCE.
19. END OF EXISTING CRUSHED STONE PAVEMENT.
20. EMERGENCY SPILLWAY.
21. GRADE AND SEED POND BANKS AND ALL AREAS DISTURBED BY CONSTRUCTION.
22. LAY EXCELLENT MATTING WITH STAKES IN AREA AS SHOWN BY MARKING.
23. GRADE AND SEED AREAS DISTURBED BY INSTALLATION OF STORM SEWER.
24. SEED TOPSOIL STOCKPILE.
25. REPAIR WALK, CURB, BITUMINOUS TO ORIGINAL CONDITION.

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MARION COUNTY, INDIANA

EVERETT L. BROWN Company
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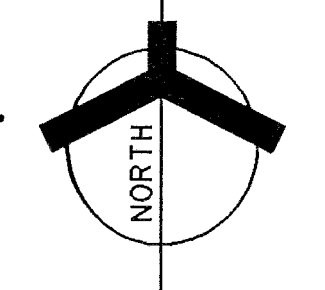


STRUCTURAL DEMOLITION NOTES:

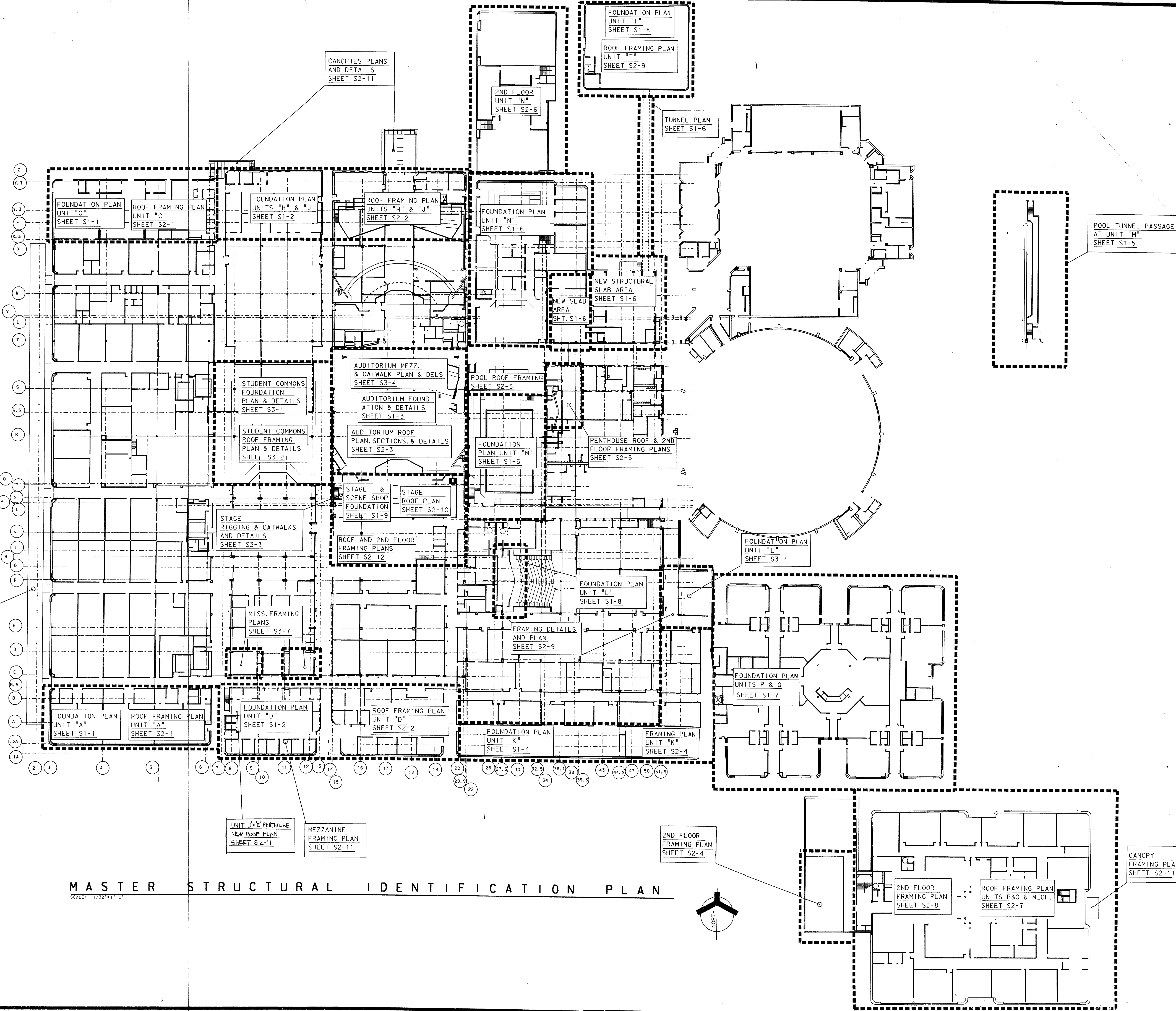
- 1 WHERE NEW CONCRETE SLAB ON GRADE IS ADJACENT TO EXISTING CONCRETE GRADE BEAM, GRADE BEAM IS TO BE CUT TO A DEPTH OF 0'-3" MINIMUM TO ALLOW FOR NEW SLAB AND DRAINAGE FILL PLACEMENT. SEE DETAIL 8/50-3.
- 2 REMOVE EXISTING W8 COLUMN, PAD, AND PIER.
- 3 CUT AND REMOVE EXISTING W8 COLUMNS ABOVE ELEVATION 12'-4".
- 4 REMOVE ALL HIGH CANOPY STEEL FRAMING ABOVE ELEVATION 21'-0".
- 5 REMOVE EXISTING CONCRETE GRADE BEAM AND INTERMEDIATE RELIEF PADS. SEE FOUNDATION PLANS FOR PRECISE LOCATIONS.
- 6 REMOVE EXISTING COLUMN, FRAMING, PIER AND PAD.
- 7 REMOVE EXISTING COLUMN--ABANDON PIER AND PAD.
- 8 REMOVE EXISTING COLUMN AND PIER--ABANDON PAD.
- 9 CUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED FOR NEW FOUNDATION WORK.
- 10 SHIM EXISTING STEEL BEAM TO BEAR ON WALL (ELEVATION AS PER PLAN) AND REMOVE REMAINING LENGTHS OF BEAM.
- 11 REMOVE ALL CONCRETE ELEMENTS, BELOW ELEVATION 0'-0", EXCEPT FOR PIERS AND PADS AT COLUMNS. REMOVE ADJACENT SLAB AT 0'-0" AS REQUIRED FOR DEMOLITION AND NEW CONSTRUCTION.
- 12 REMOVE EXISTING STEEL JOISTS, AS NOTED ON FRAMING PLANS.
- 13 REMOVE EXISTING CONCRETE POOL DECK AND UPPER PART OF POOL AS INDICATED ON SHEET S1-5.
- 14 REMOVE EXISTING BELL TOWER TO NEW LOCATION INDICATED ON SITE PLAN AND DEMOLISH EXISTING FOUNDATION.
- 15 REMOVE EXISTING ROOF DECK CANOPY AND ASSOCIATED FASCIA CHANNELS.
- 16 REMOVE EXISTING SLAB THIS AREA AND EXISTING FOUNDATION AS REQUIRED FOR NEW POOL AND DECK SYSTEM.
- 17 SHORE UP AND/OR REMOVE EXISTING COLUMNS AND REMOVE EXISTING PILASTERS FOR THE INSTALLATION OF THE NEW FOOTINGS.
- 18 DEMOLISH AND REMOVE EXISTING STAIRS AND PLATFORMS.
- 19 REMOVE EXISTING CANOPY AND ITS FOUNDATION IN ITS ENTIRETY.

COMPOSITE STRUCTURAL DEMOLITION PLAN

SCALE: 1/2" = 1'-0"
NOTE: THIS DRAWING INDICATES ONLY THE MAIN ELEMENTS OF THE EXISTING STRUCTURAL AND FOUNDATION SYSTEM. SEE ARCHITECTURAL DRAWINGS AND DETAILS FOR FULL EXTENT OF DEMOLITION WORK REQUIRED.

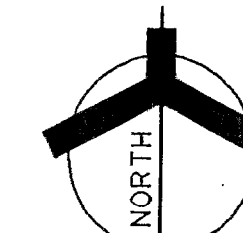


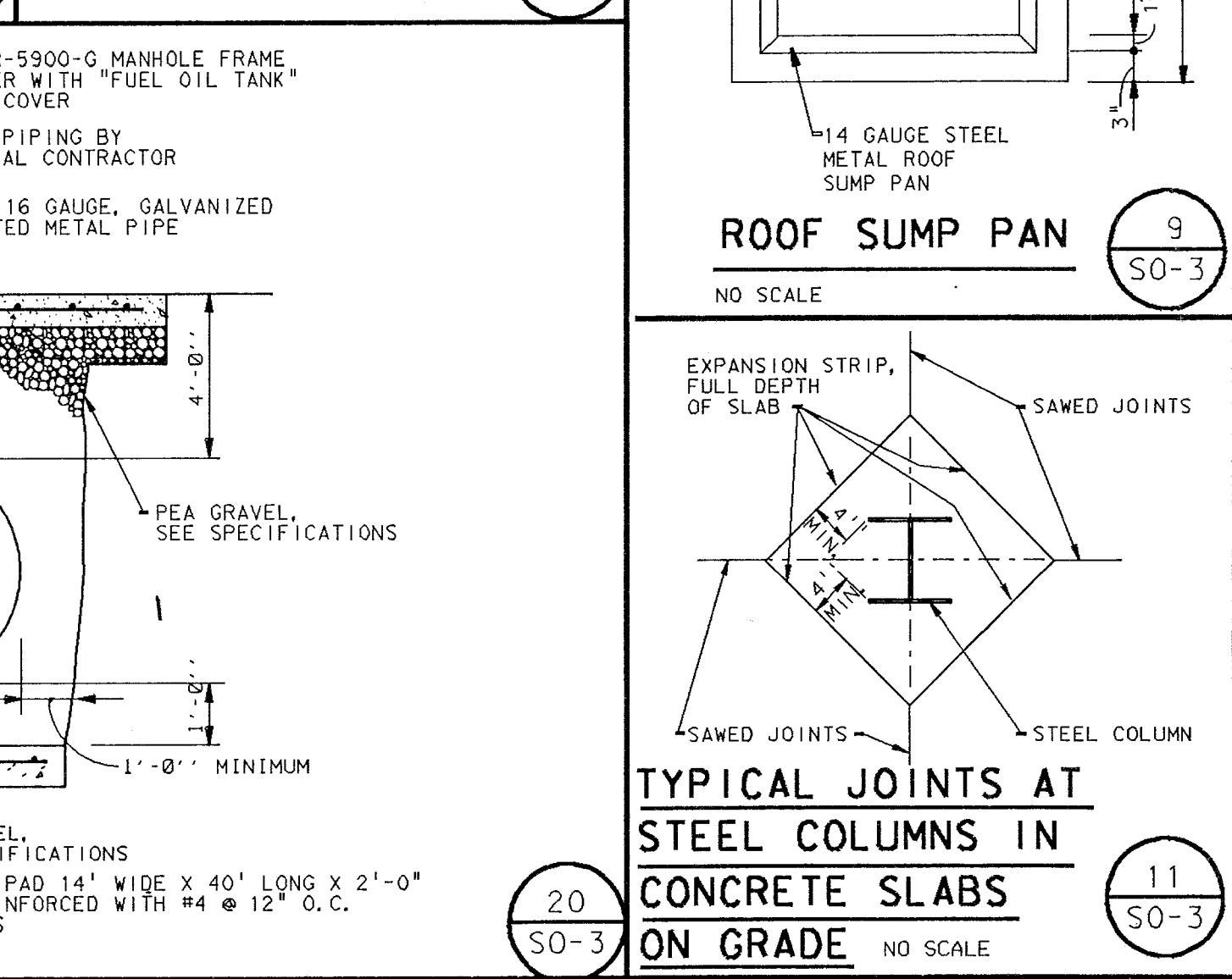
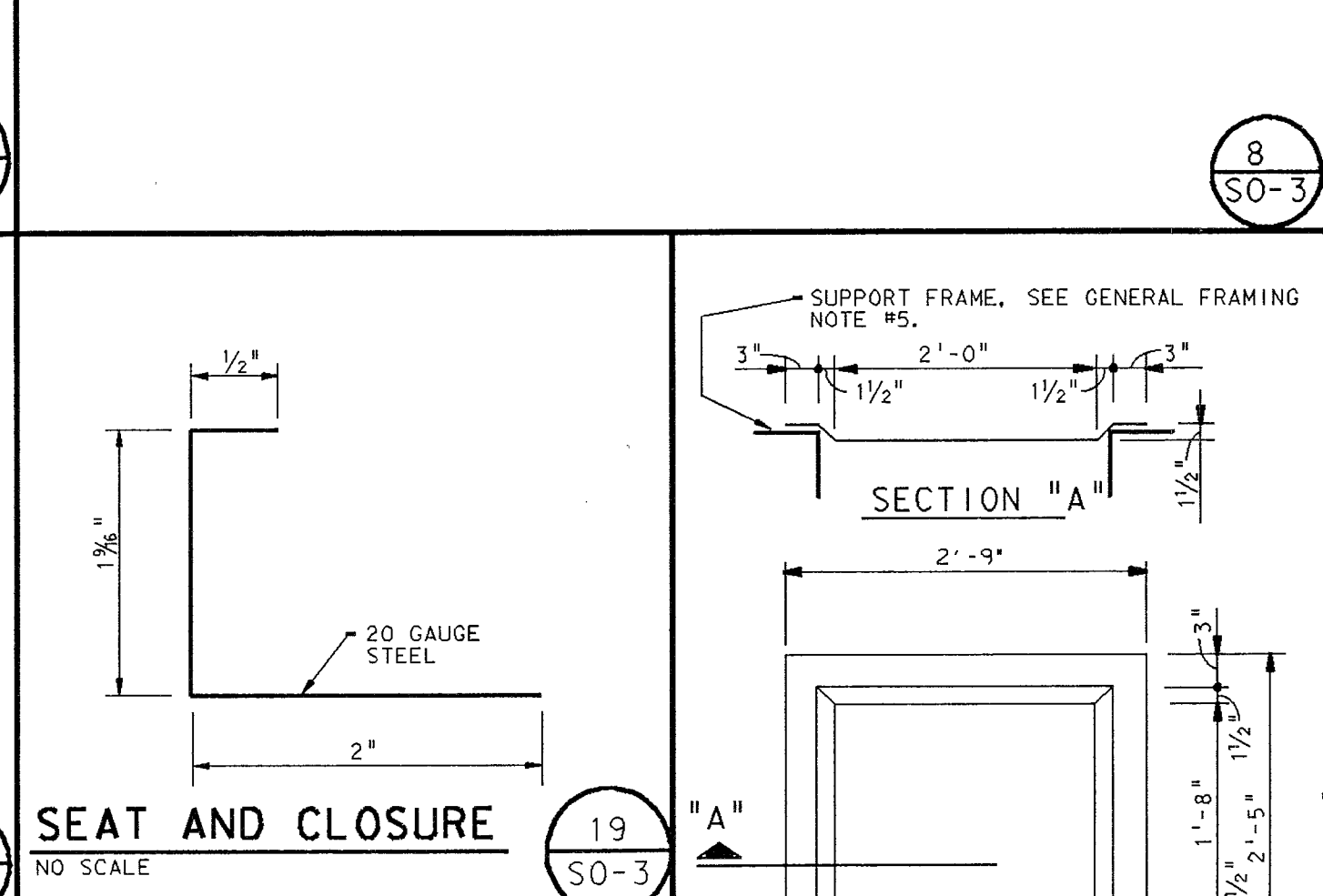
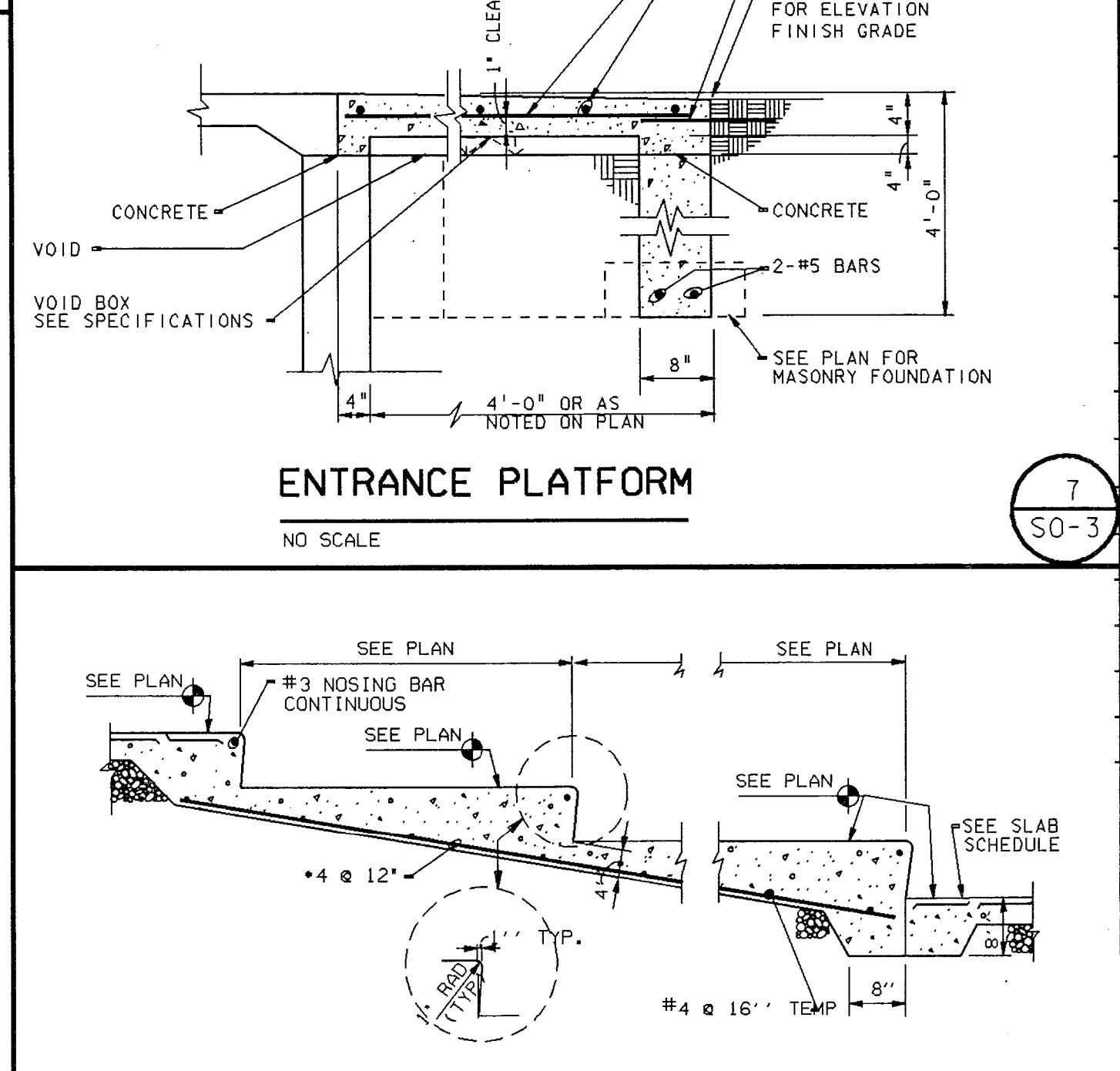
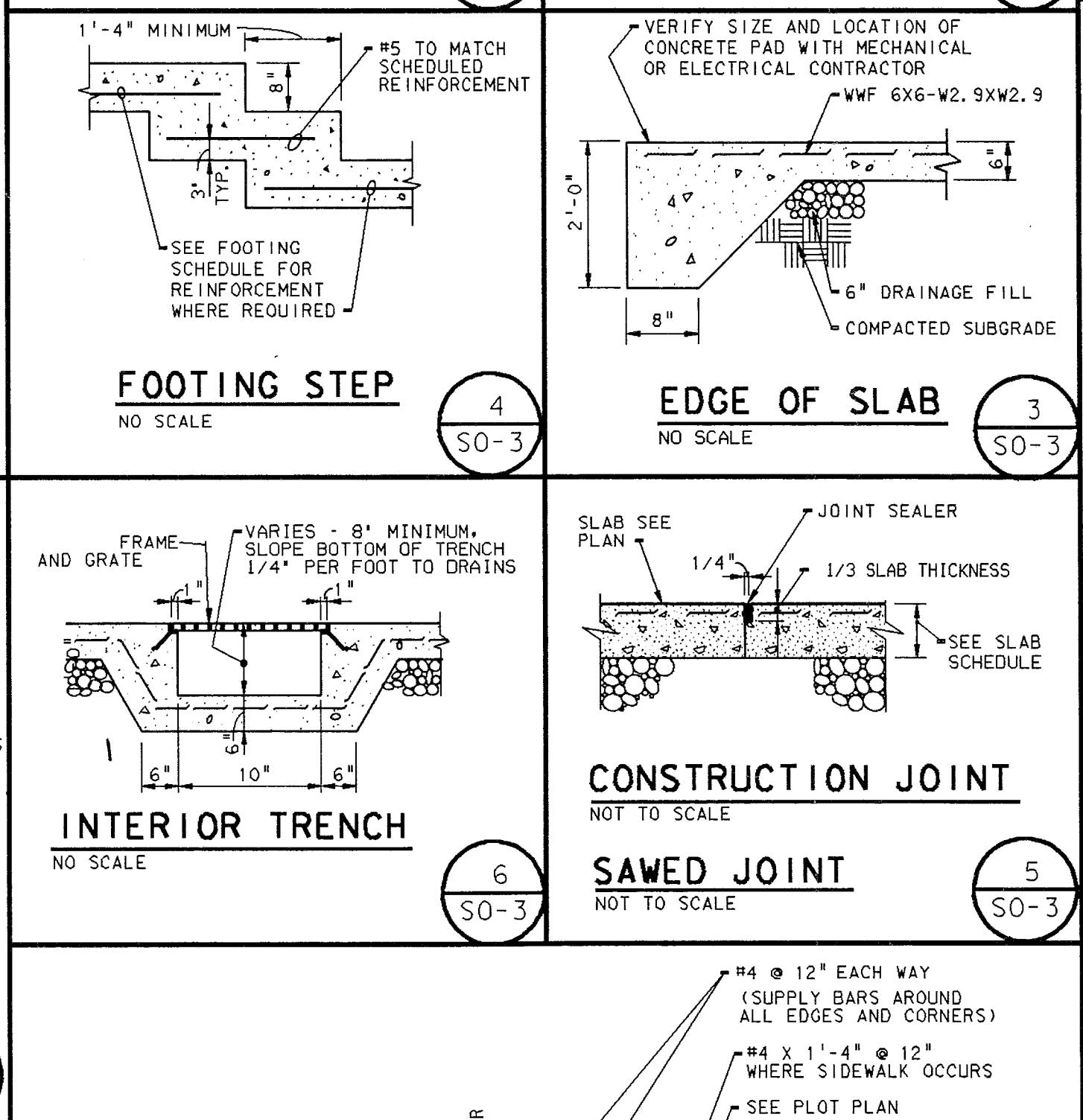
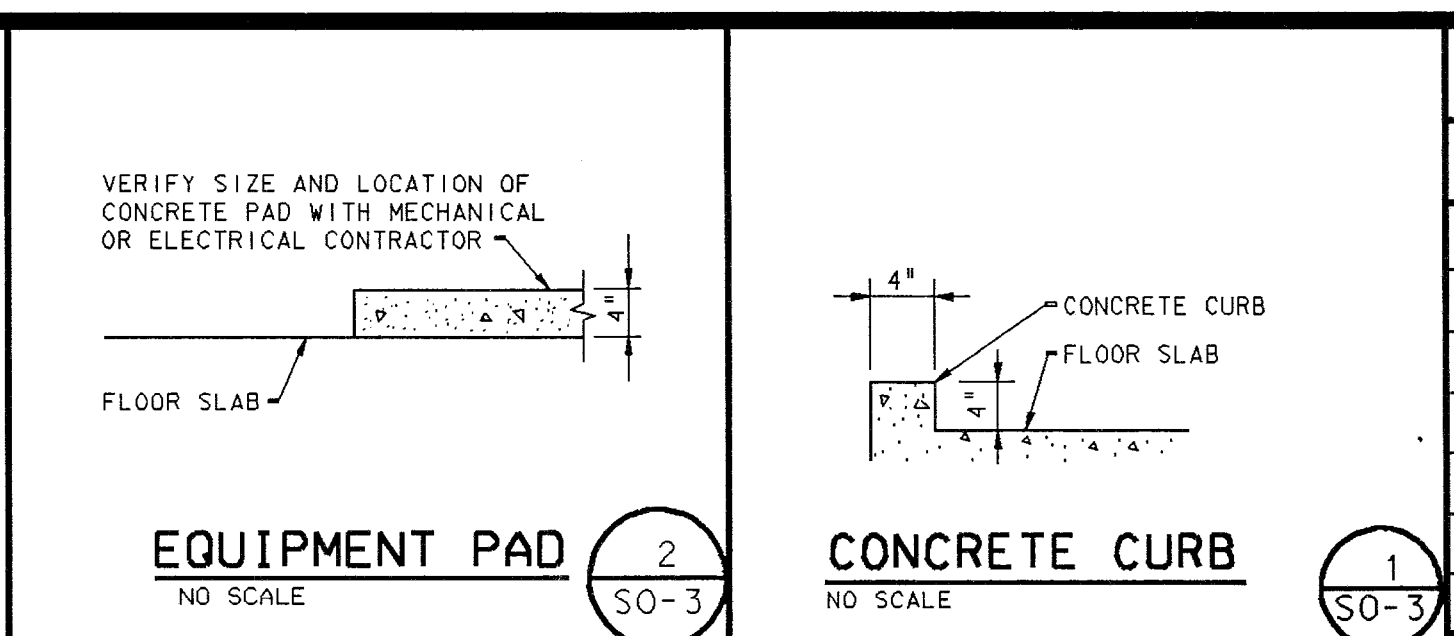
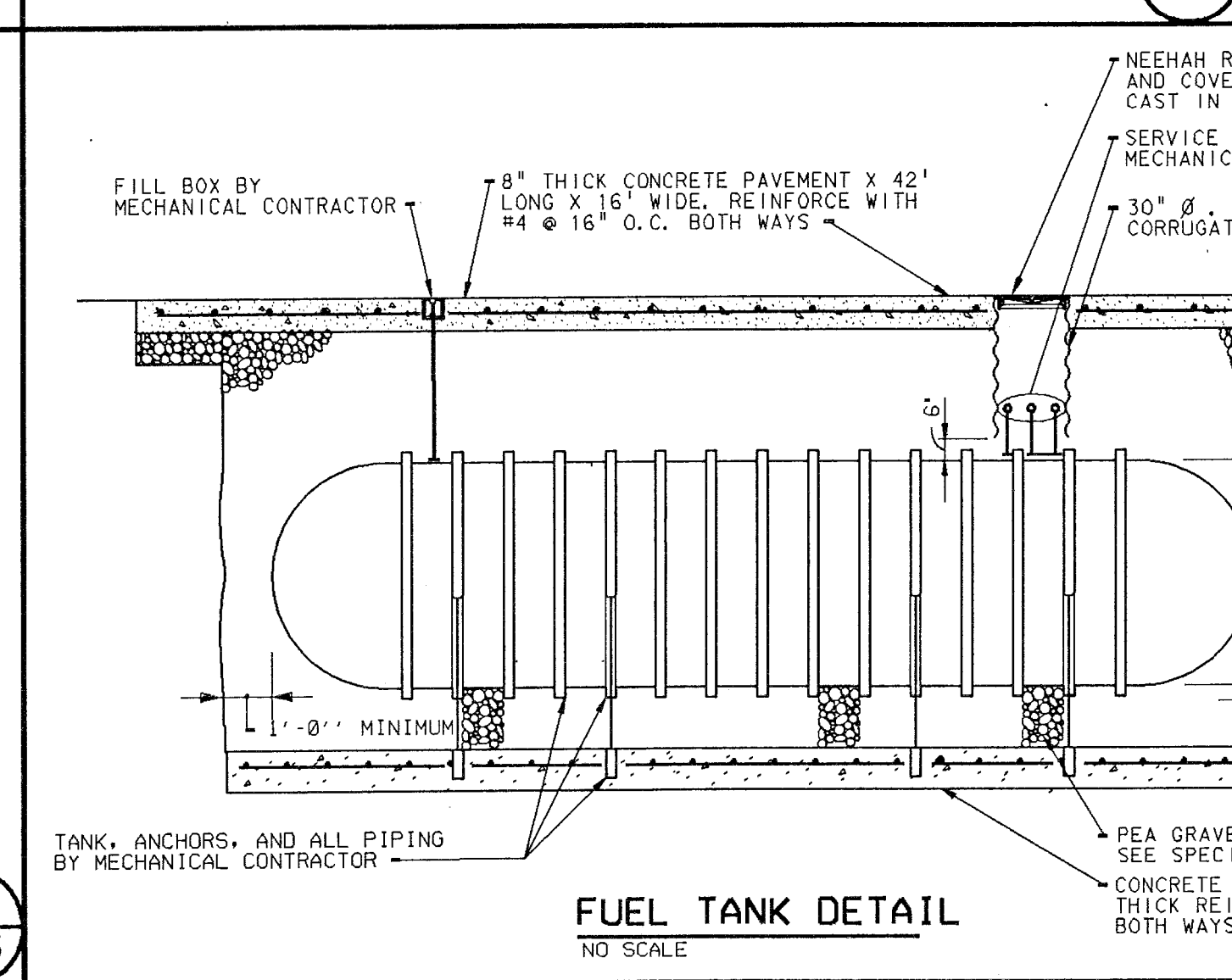
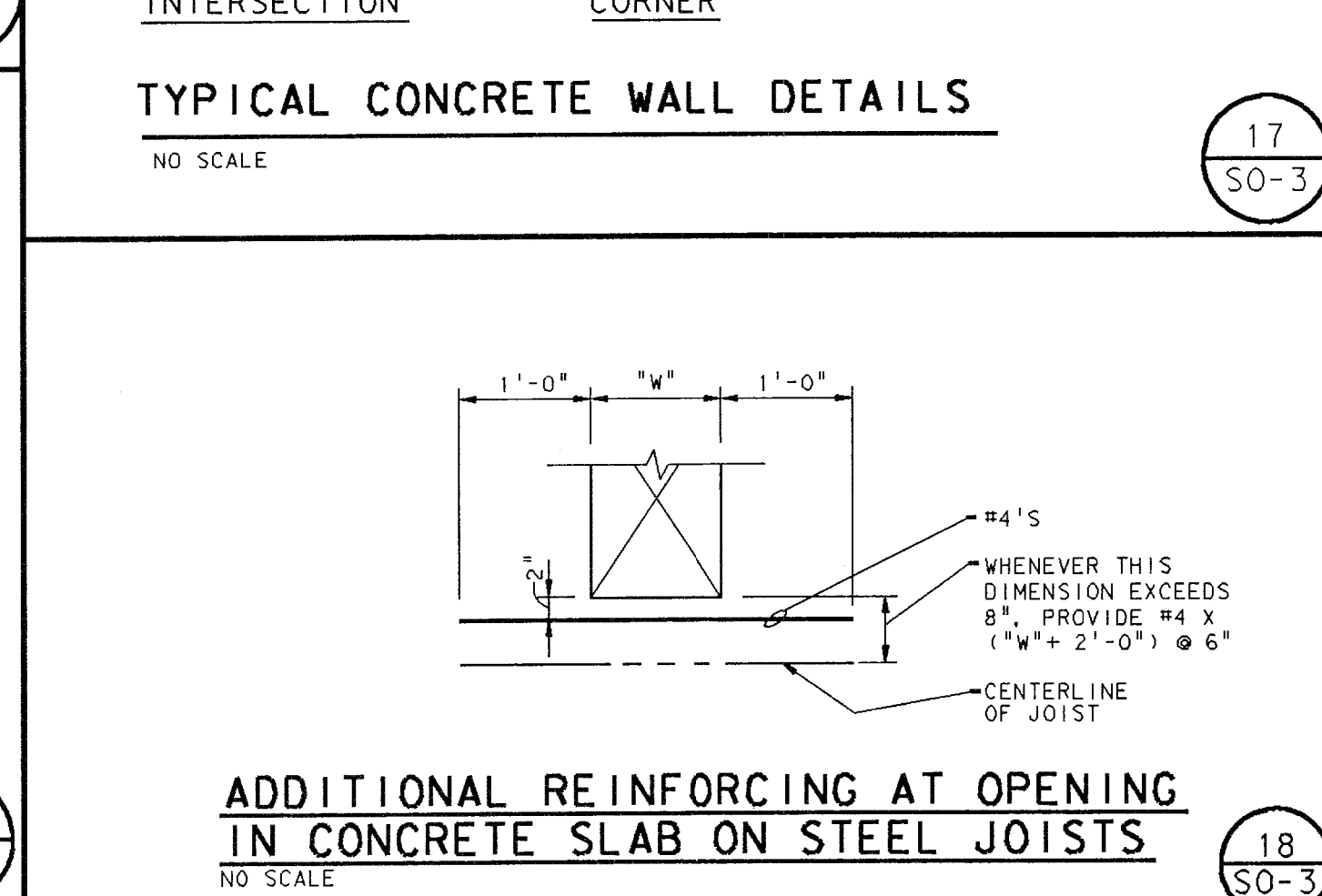
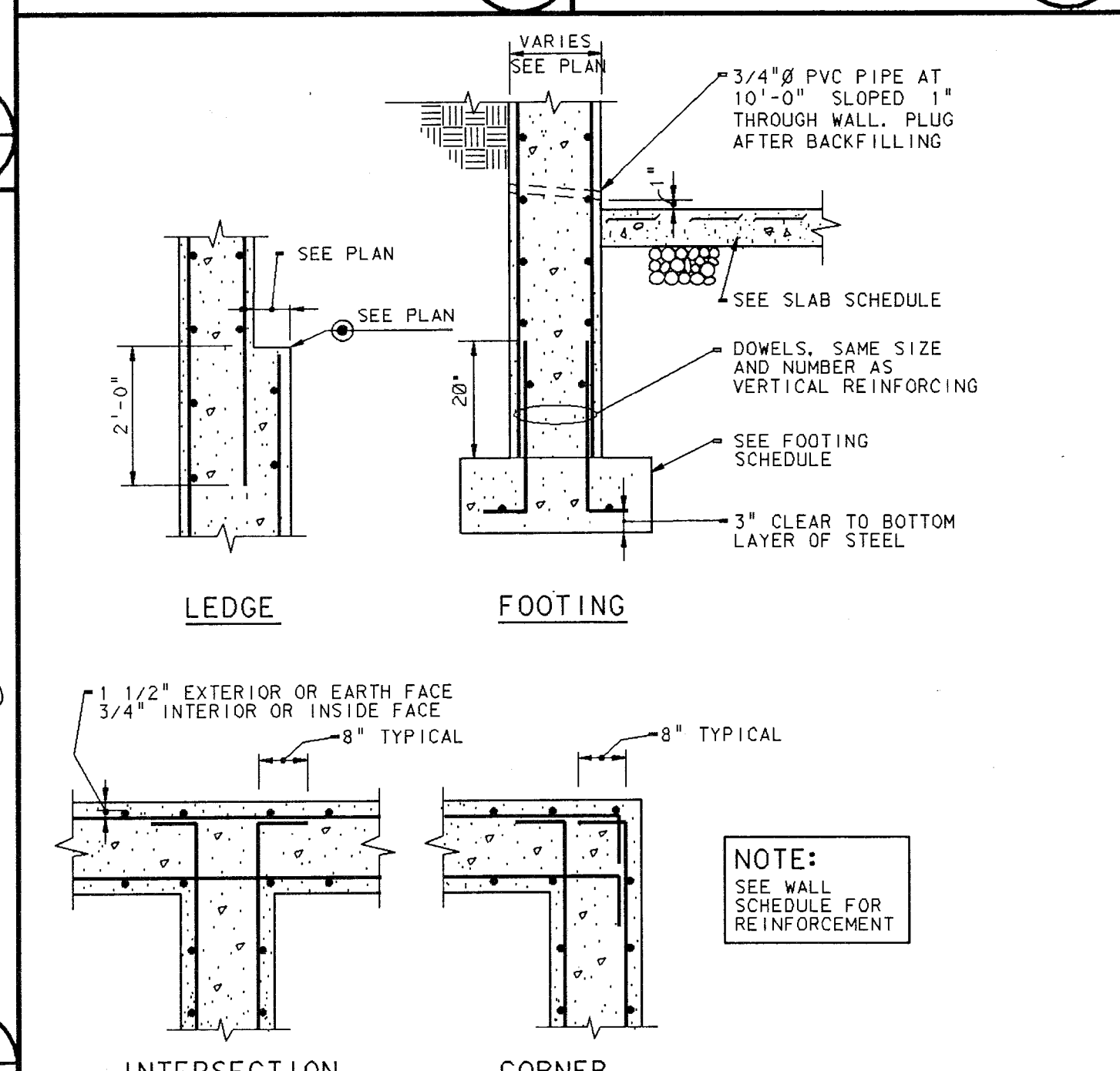
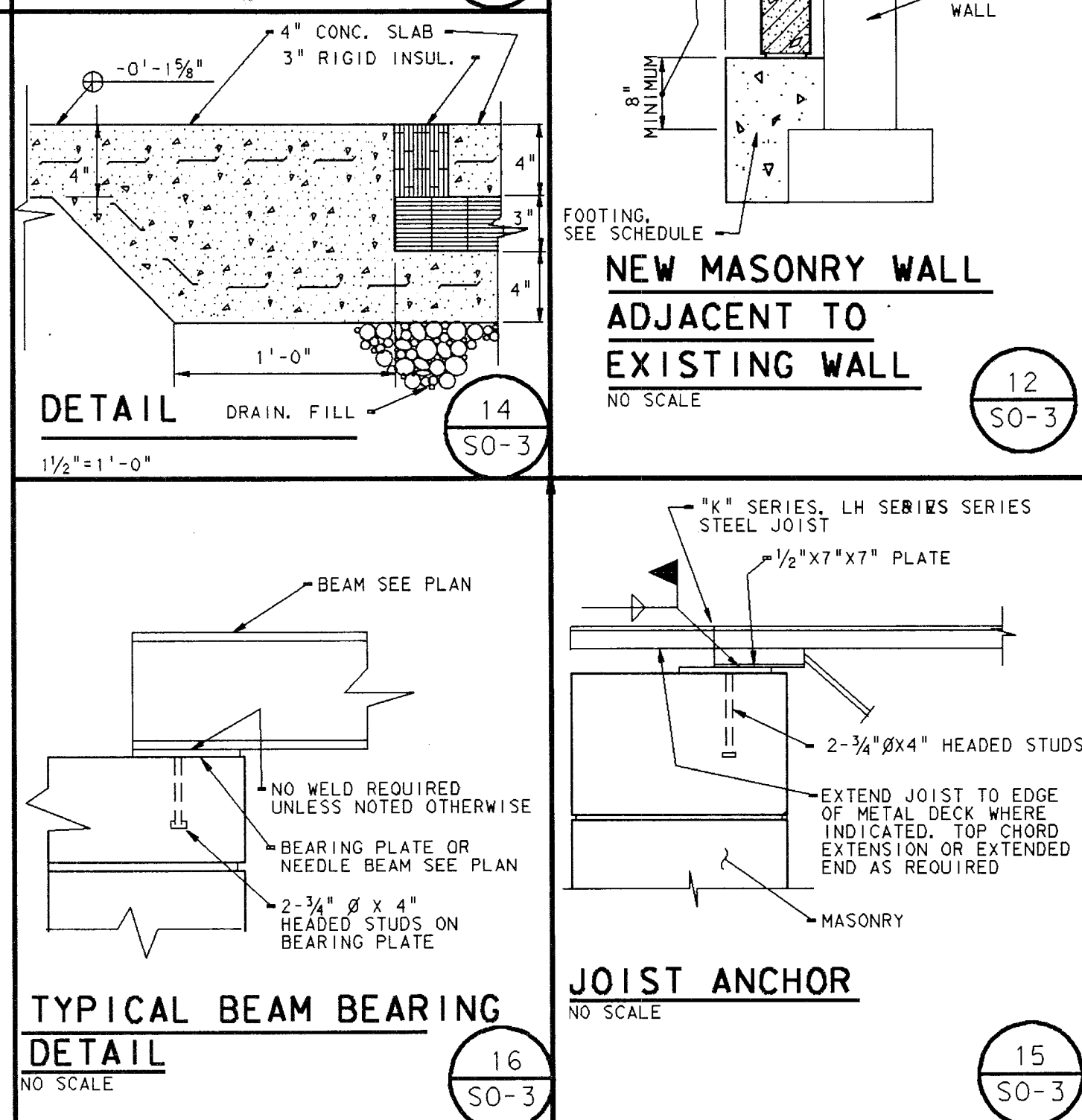
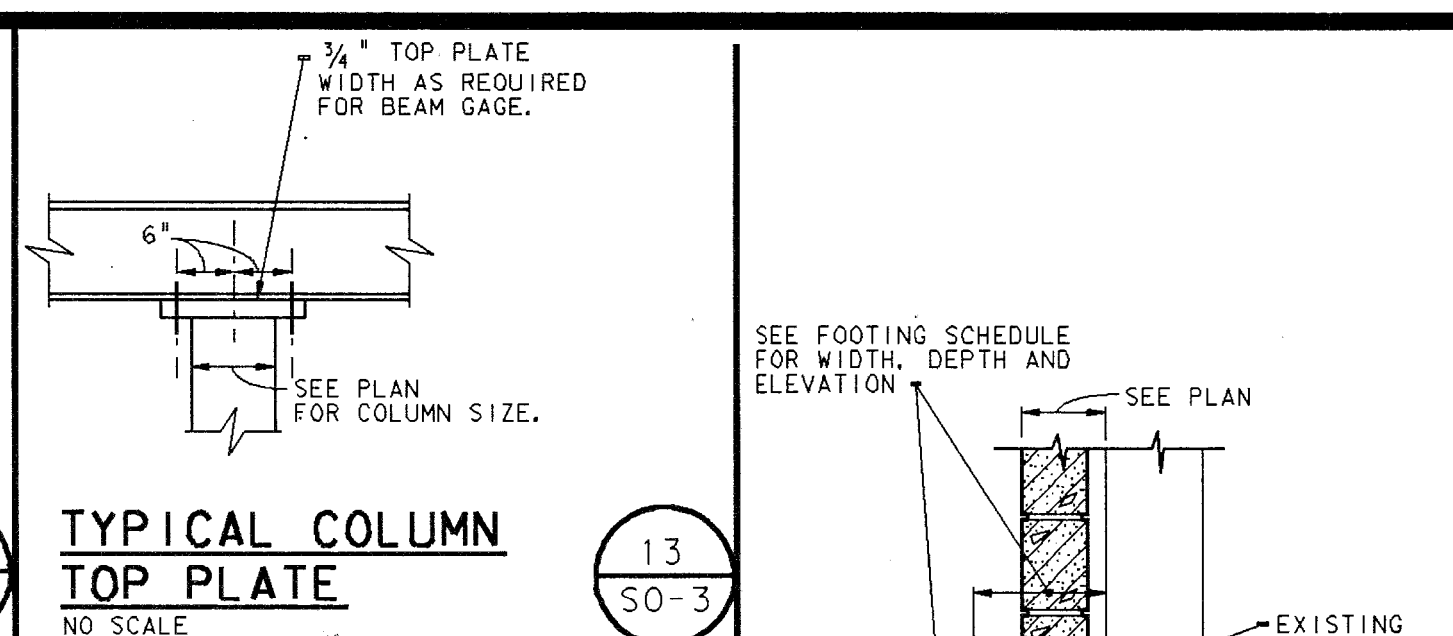
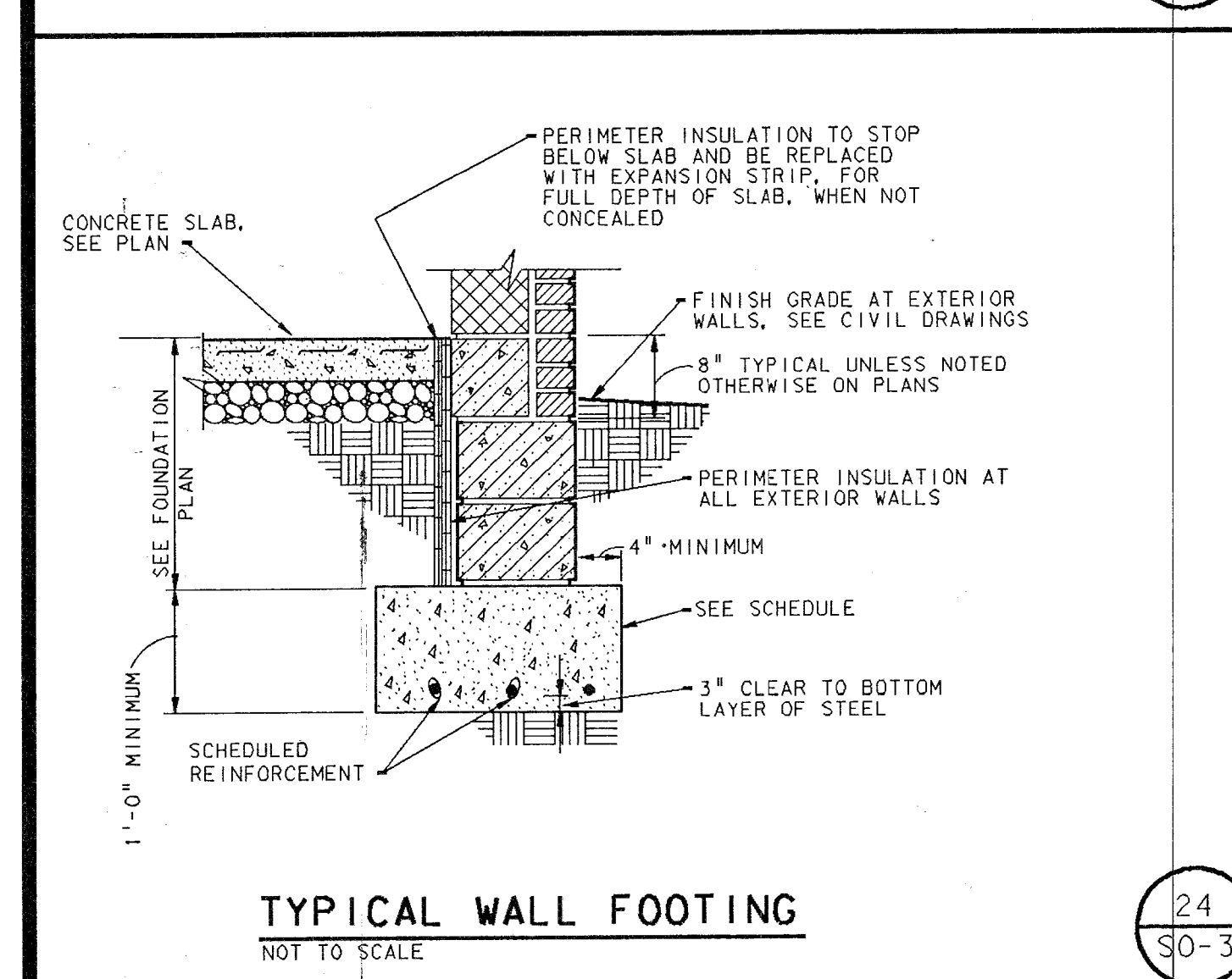
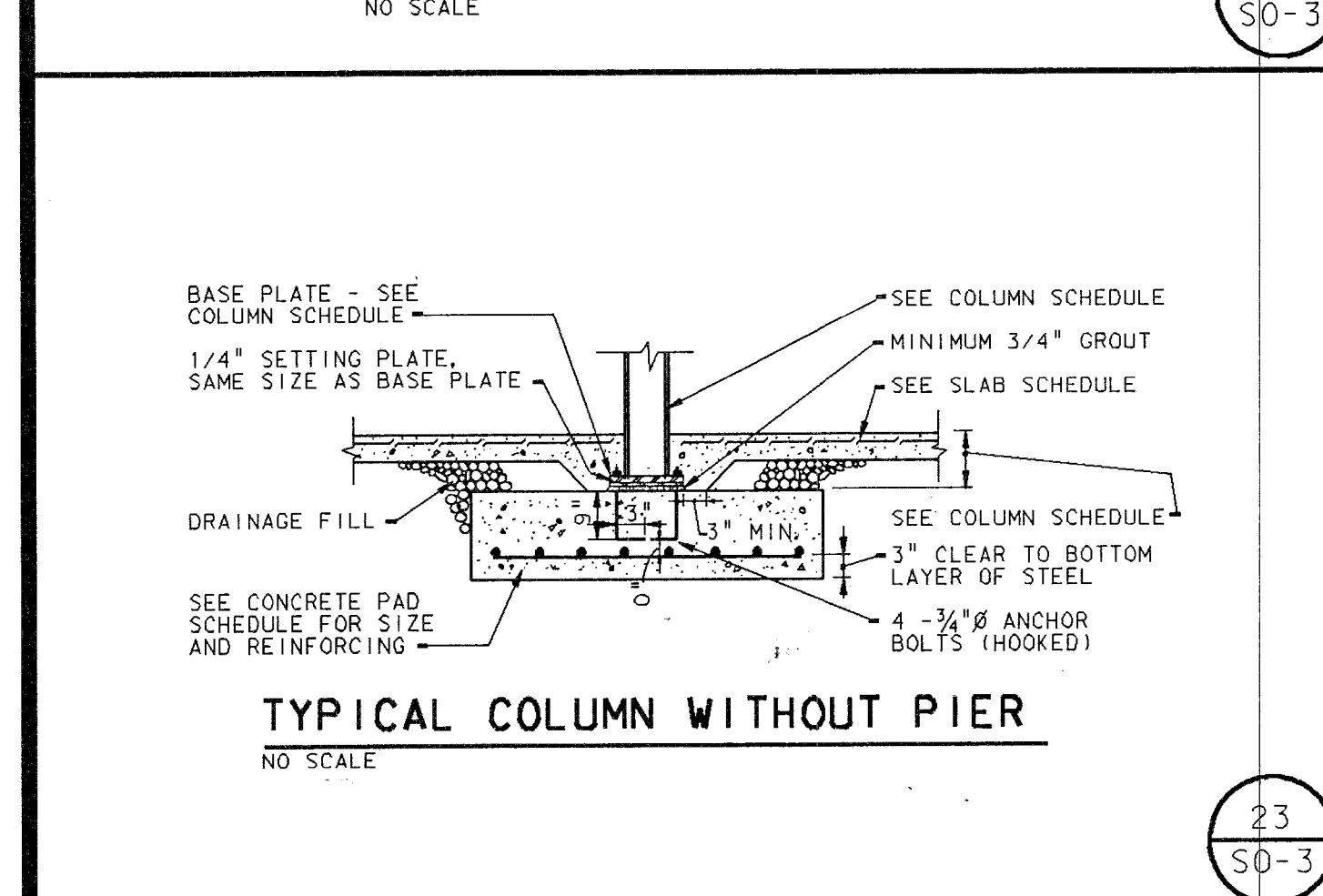
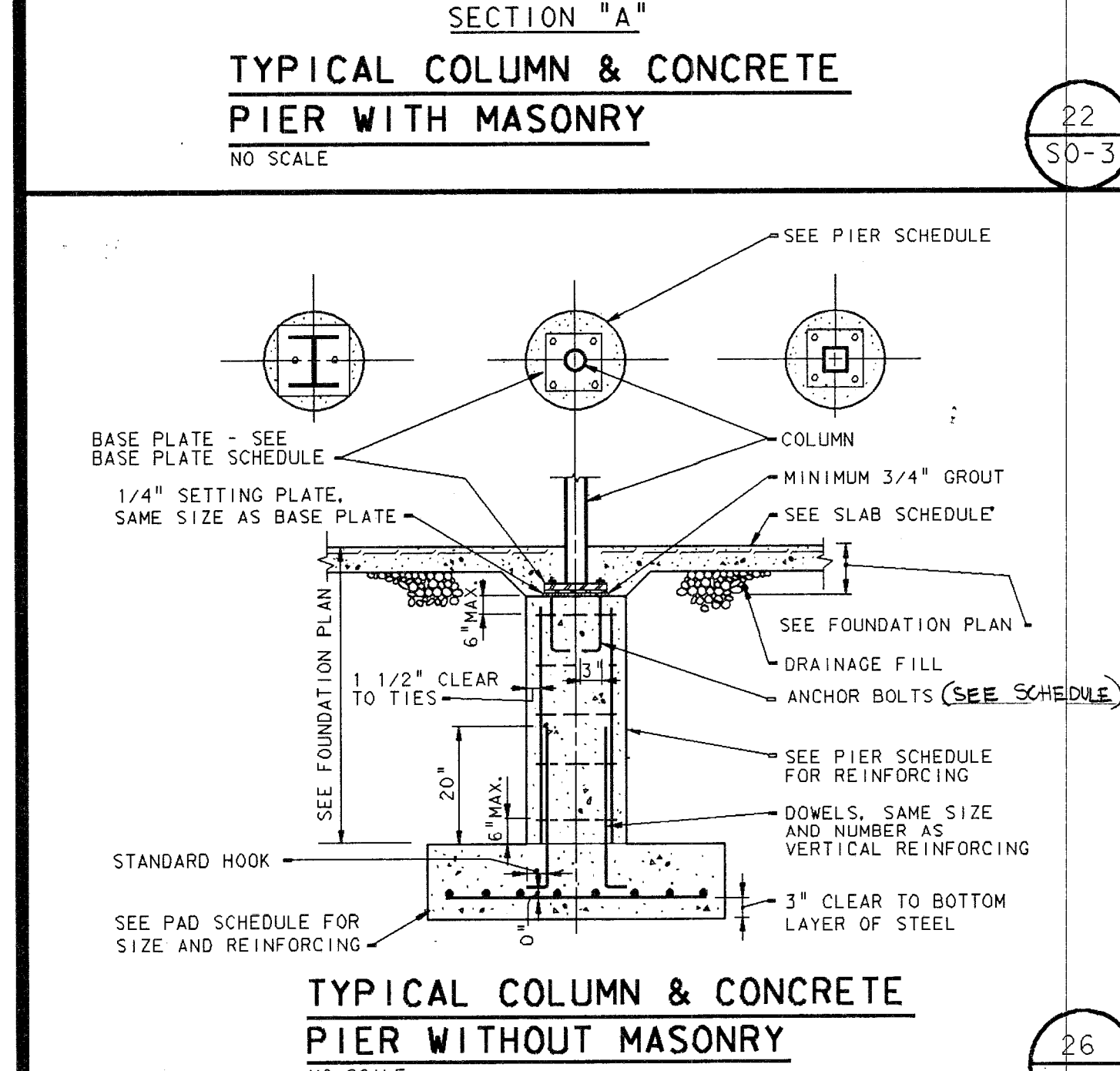
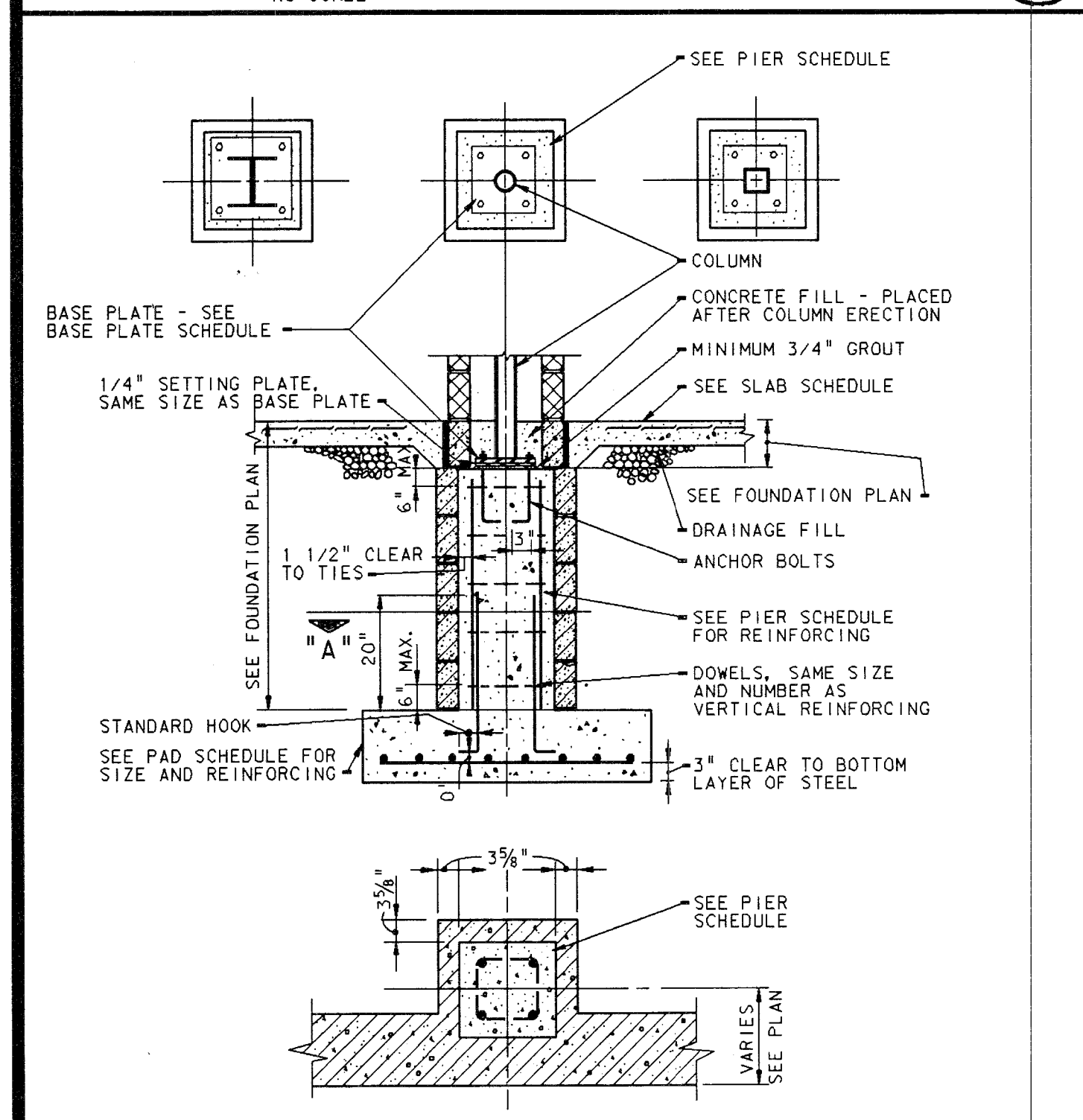
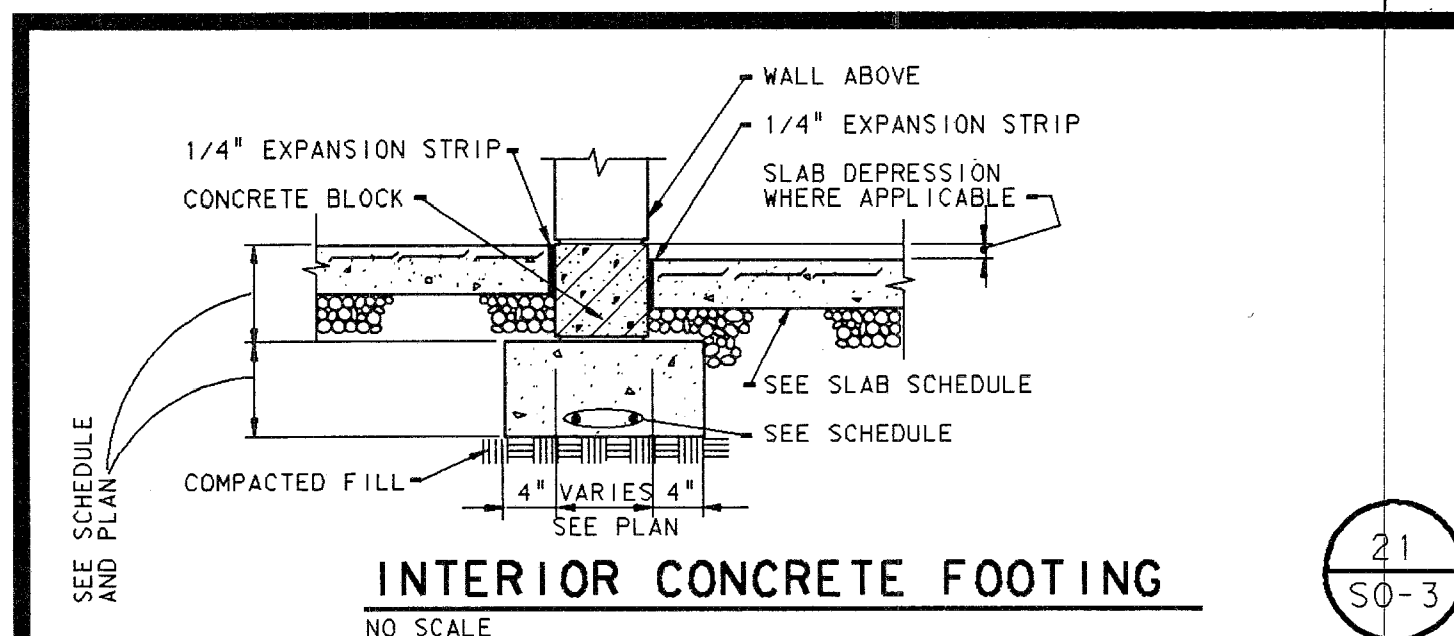
NEW CANOPY
 FRAMING SEE
 SECTION ON
 SHEET S3-9



MASTER STRUCTURAL IDENTIFICATION PLAN

SCALE: 1/32" = 1'-0"





FOOTING SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING
F16	16"	1'-0"	3-#4 LONGITUDINAL
F24	24"	1'-0"	3-#5 LONGITUDINAL
F30	30"	1'-0"	3-#5 LONGITUDINAL
F57	57"	1'-4"	#6 @ 8" O.C. SHORT 4-#5 LONGITUDINAL
F32	32"	1'-0"	3-#5 LONGITUDINAL

SLAB SCHEDULE

MARK	DEPTH	REINFORCING	REMARKS
S4	4"	WF 6X6 W1.4 X W1.4	VAPOR BARRIER OVER 6" DRAINAGE FILL
S3/2	3 1/2"	WF 6X6 W1.4 X W1.4	USE 1/2" CENTERING SEE NOTE 2 BELOW
S6	6"	WF 6X6 W1.4 X W1.4	VAPOR BARRIER OVER 6" DRAINAGE FILL
S4 @ 12" O.C. EACH WAY	4"	#4 @ 12" O.C. EACH WAY	USE 2" FORM DECK (SEE NOTE #2)
S8 @ 12" O.C. EACH WAY	8"	#8 @ 12" O.C. EACH WAY	REFER TO SECTION
S3/2	3 1/2"	WF 4X4 W2.9 X W2.9	USE 1" OC26 CSN CONFORM

BASE PLATE SCHEDULE

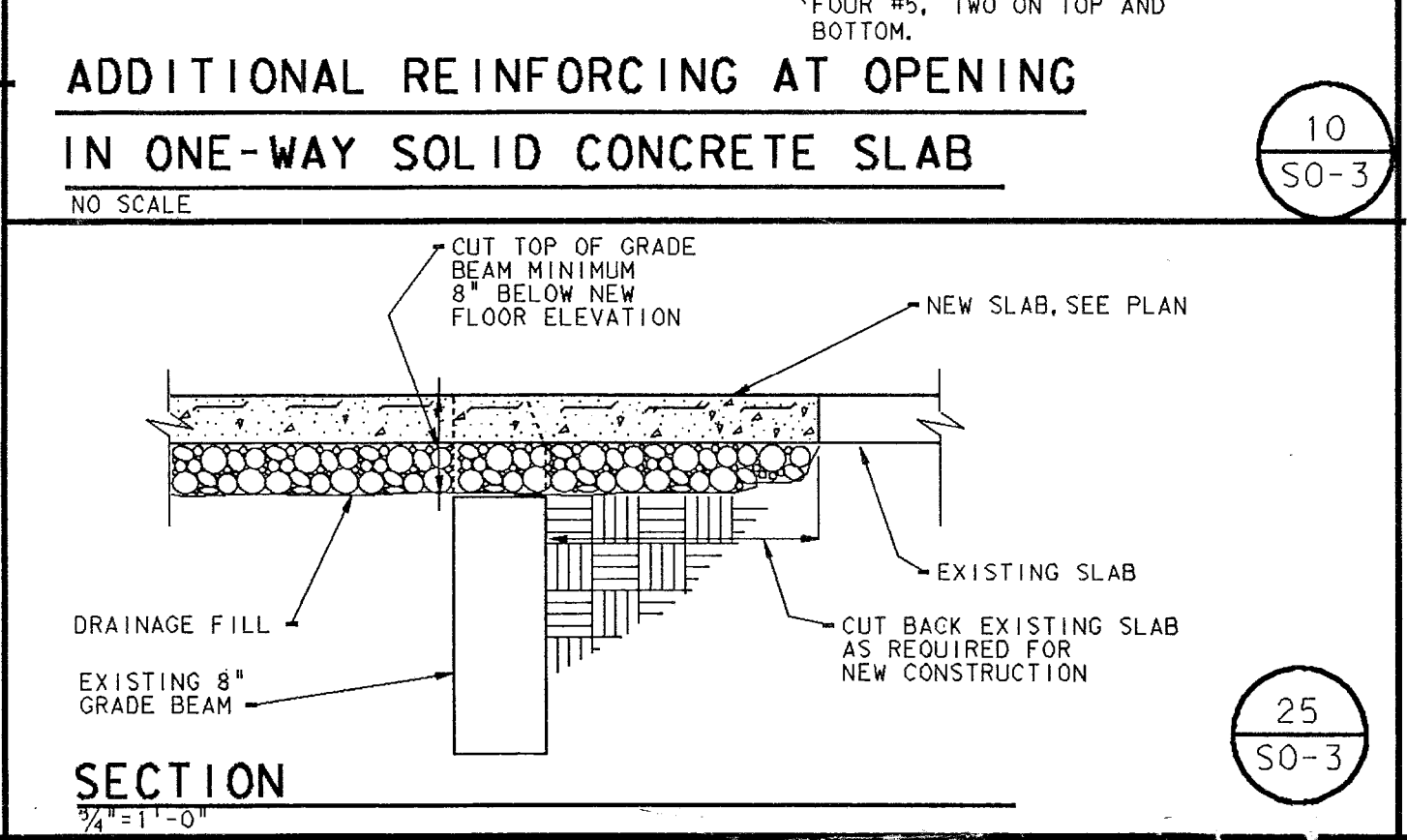
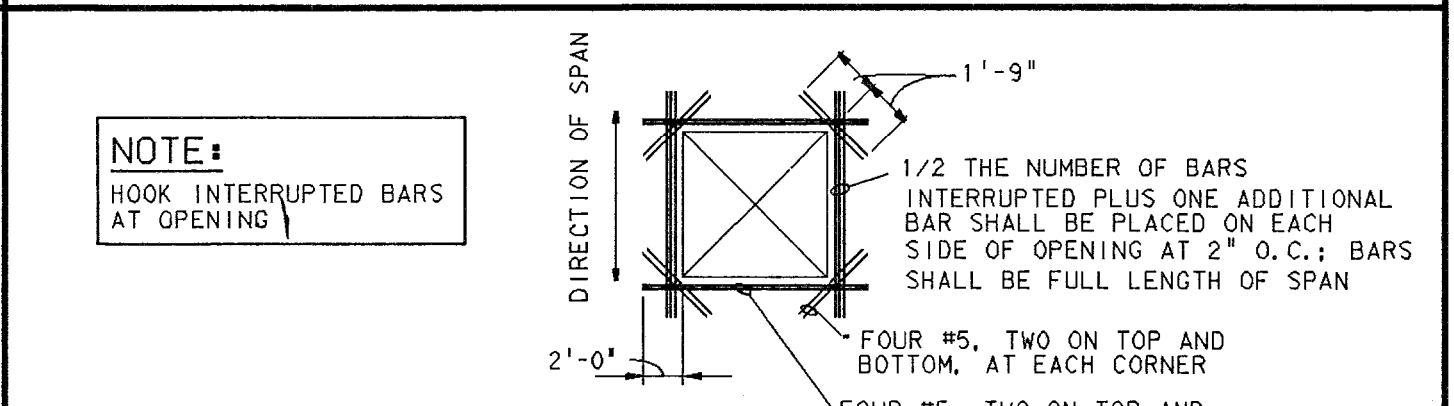
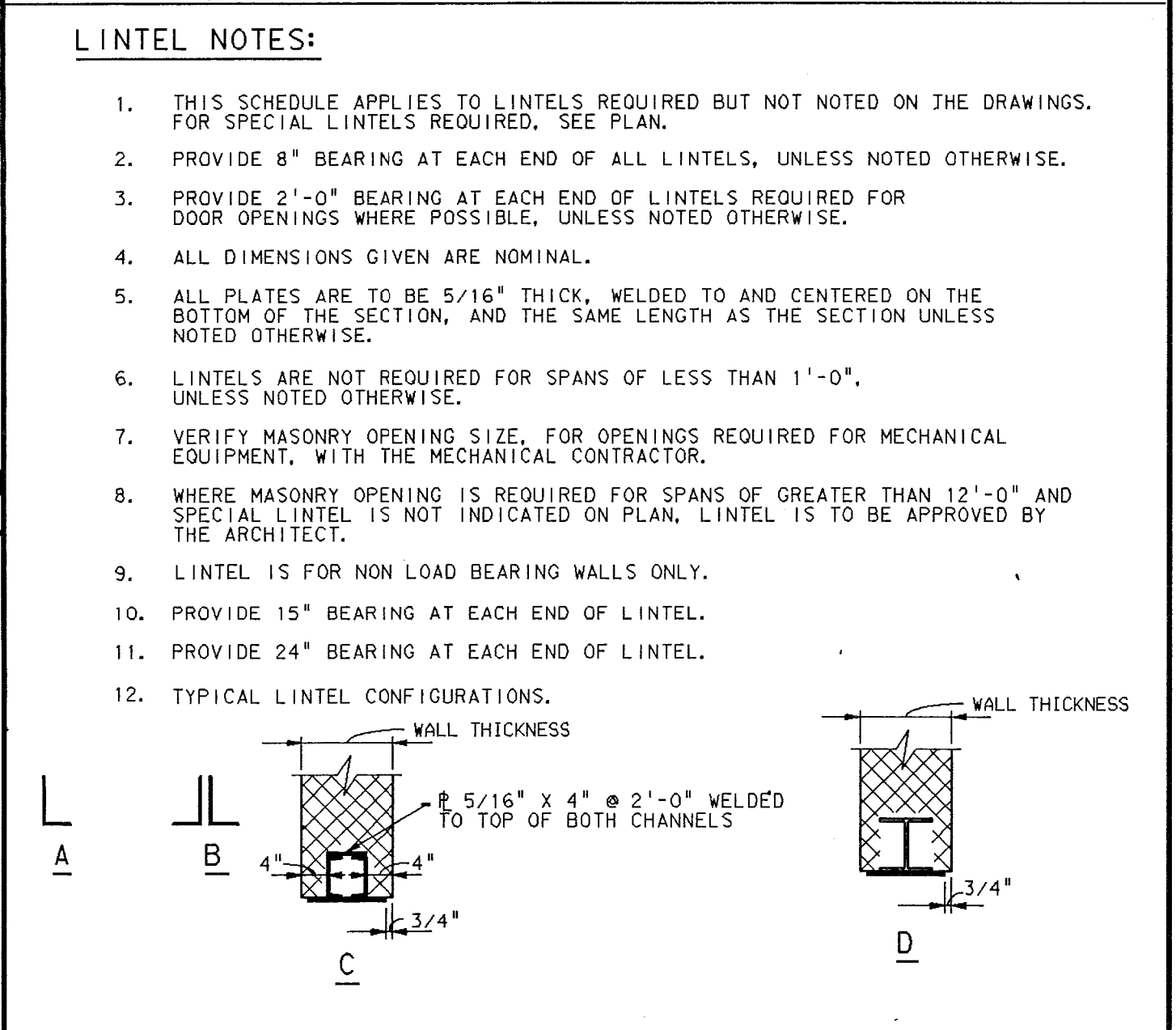
COLUMN SIZE	R SIZE	ANCHOR BOLTS
TS 4" x 4"	1" X10"X10"-10"	4-3/4"X11"-2" (HOOKED)
TS 5" x 5"	1 1/2"X11"X11"-11"	4-3/4"X11"-2" (HOOKED)
TS 6" x 6"	1 1/2"X12"X12"-12"	4-3/4"X11"-2" (HOOKED)
TS 8" x 8"	1" X14"X14"-14"	4-3/4"X11"-2" (HOOKED)
WB	1" X14"X14"-14"	4-3/4"X11"-2" (HOOKED)
W10	1" X16"X16"-16"	4-3/4"X11"-2" (HOOKED)
TS 10"X10"	1" X16"X16"-16"	4-3/4"X11"-2" (HOOKED)

PIER SCHEDULE

MARK & SIZE	REINFORCING	VERTICAL TIES
20"X8"	8-#6 #3 @ 12"	P6
24"X8"	10-#6 #3 @ 12"	P7
PR165-16"X16"X16"	4-#6 #3 @ 12"	P8
PR205-20"X20"X20"	8-#6 #3 @ 10"	P8.5
PR245-24"X24"X24"	8-#6 #3 @ 10"	P9
PR3125-31"X25"X25"	4-#6 #3 @ 12"	P10
		P7

MISCELLANEOUS LINTEL SCHEDULE

OPENING TYPE	MASONRY OPENING (1)	SECTION	CONFIGURATION (12)
CONVECTOR	4" RECESS 2'-0"	1-L5X31/4	A LONG LEG VERTICAL
F E CABINET	6" RECESS 1'-0"	5/16" #6X1/2"	---
OTHER	8" 1' < SPAN < 4'-4"	2-L5X31/4	B LONG LEG VERTICAL
OTHER	8" 4'-4" < SPAN < 6'-4"	2-L6X3 1/2X5/16 (10)	B LONG LEG VERTICAL
OTHER	8" (9) 6'-4" < SPAN < 10'	2-L6X3 1/2X3/8	B LONG LEG VERTICAL
OTHER	8" (9) 10' < SPAN < 12'	2-L5X3 1/2X3/4	B LONG LEG VERTICAL
OTHER	10"-1'-2" 1' < SPAN < 6'-4"	WBX10 W/L	D
OTHER	10"-1'-2" 6'-4" < SPAN < 10'	WBX18 (10) W/L	D
OTHER	10"-1'-2" 10' < SPAN < 12'	W14X22 (10) W/L	D
OTHER	1'-4"-1'-8" 1' < SPAN < 4'-4"	2-C5X6.7 W/L	C
OTHER	1'-4"-1'-8" 4'-4" < SPAN < 6'-4"	2-MCBX8.5 W/L	C
OTHER	1'-4"-1'-8" 6'-4" < SPAN < 10'	2-CBX11.5 (10) W/L	C
OTHER	1'-4"-1'-8" 10' < SPAN < 12'	2-C10X15.3 (11) W/L	C
OTHER	4" (9) < 8"	1-L5X3X3/8	A
OTHER	6" (9) < 8"	1-L5X5X1/4	A



GENERAL DESIGN NOTES

- ALL STRUCTURAL STEEL SHALL CONFORM TO THE STANDARD SPECIFICATION FOR STRUCTURAL STEEL, ASTM A36, EXCEPT FOR WELDED AND SEAMLESS STEEL PIPE.
- ALL STEEL JOIST SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE FOR THE "K", LH AND "VS" SERIES.
- ALL CONCRETE SHALL BE STONE/GRAVEL AGGREGATE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. AS NOTED BELOW:
(1) FOOTINGS, WALLS, PIERS AND GRADE BEAMS TO BE 3000 PSI.
(2) INTERIOR SLABS ON GRADE TO BE 4000 PSI.
(3) EXTERIOR SLABS, WALLS, CURBS TO BE 4500 PSI.
PROVIDE AIR ENTRAINMENT FOR EXTERIOR CONCRETE.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS OTHERWISE NOTED. ALL REINFORCING MESH SHALL CONFORM TO ASTM A186.
- DESIGN LIVE LOADS: ROOFS-----40 P.S.F.
MECHANICAL ROOM FLOORS-----100 P.S.F.
ROOF OVER MECH. ROOMS-----65 P.S.F.
2ND STORY CLASSROOMS-----60 P.S.F. W/20 P.S.F. PARTITION LOADING
2ND STORY CORRIDORS-----100 P.S.F.

GENERAL FOUNDATION NOTES

- ALL FOOTINGS AND PADS ARE DESIGNED TO BEAR ON UNDISTURBED SOIL. SEE FOUNDATION PLAN FOR ALLOWABLE BEARING CAPACITY.
- PROVIDE HORIZONTAL WALL REINFORCING IN ALL CONCRETE BLOCK FOUNDATION WALLS EVERY TWO COURSES. THIS WALL REINFORCING SHALL BE CONTINUOUS THROUGH ALL PIERS AND SHALL LAP AT ALL WALL INTERSECTIONS.
- PROVIDE EXPANSION STRIP FULL DEPTH OF SLAB AT ALL INTERSECTIONS OF FLOOR SLABS WITH VERTICAL SURFACES, BOTH INTERIOR AND EXTERIOR, EXCEPT WHERE GRADE IS ABOVE THE FLOOR SLAB ON ADJACENT SIDE OF WALL.
- INTERIOR AND EXTERIOR BACKFILLING SHALL BE ACCOMPLISHED SIMULTANEOUSLY.
- ALL BUILDING EXTERIOR FOUNDATION WALLS SHALL BE INSULATED WITH PERIMETER INSULATION.

GENERAL FRAMING NOTES

- ALL STEEL ITEMS (BEAMS, COLUMNS, LINTELS, JOISTS, METAL ROOF DECK, ETC.) SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS ARE A PART OF THE STRUCTURAL METALS CONTRACT. UNLESS SPECIFICALLY NOTED TO BE BY ANOTHER CONTRACTOR, ALL STRUCTURAL ELEMENTS SHOWN ON THE ARCHITECTURAL DRAWINGS BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE PART OF THE GENERAL CONTRACT. TO BE FURNISHED AND INSTALLED BY THE MISCELLANEOUS METALS CONTRACTOR.
- METAL DECK MANUFACTURER SHALL PROVIDE 20 GAUGE SEAT AND CLOSURE PLATES TO CLOSE ALL ENDS OF RUNS OF RIBS OF 1/2", 20 GAUGE METAL DECK.
- METAL DECK MANUFACTURER SHALL PROVIDE 6" X 20 GAUGE COVER PLATES AT ALL DECK SPLICES AND AT ALL POINTS WHERE THE ROOF DECK CHANGES DIRECTION.
- METAL DECK MANUFACTURER SHALL PROVIDE RECESSED SUMP PAN TO ACCOMMODATE ROOF DRAINS IN ALL METAL ROOF DECKS.
- THE STRUCTURAL METALS CONTRACTOR SHALL PROVIDE ALL ANGLE IRONS 3X3X1/4 TO SUPPORT ROOF DECK. THE GENERAL CONTRACTOR SHALL PROVIDE REINFORCING BARS FOR CRITICAL OPENINGS IN THE CONCRETE FLOOR OR DECK. SEE DETAIL THIS SHEET.
- STRUCTURAL STEEL FABRICATOR SHALL PROVIDE SEAT ANGLES FOR JOISTS BEARING ONTO COLUMNS.
- STRUCTURAL STEEL FABRICATOR SHALL PROVIDE STEEL FILLERS ON BEAM FLANGES WHERE REQUIRED FOR THE BEARING OF METAL DECK OR METAL CENTERING.
- ALL BEAMS SHALL BEAR 8" ON MASONRY WALLS UNLESS OTHERWISE NOTED ON PLAN.
- ALL JOIST ANCHORS, BEAM BEARING PLATES AND NEEDLE BEAMS ARE BY THE STRUCTURAL METALS CONTRACTOR AND INSTALLED BY THE MASONRY CONTRACTOR.

STRUCTURAL LEGEND

- SEE PLAN NOTES.
- CONCRETE
- MASONRY, BELOW GRADE (CONCRETE BLOCK)
- MASONRY, ABOVE GRADE (LIGHTWEIGHT BLOCK)
- EQUIPMENT PAD, SEE (2) UNLESS NOTED OTHERWISE.
- FOOTING STEP, SEE (4)
- 1'-4" MINIMUM UNLESS NOTED OTHERWISE
- MASONRY WITH BLOCK COTES GROUTED SOLID, FULL HEIGHT OF WALL, UNLESS NOTED OTHERWISE.
- TOP OF FOOTING, PAD OR GRADE BEAM BELOW NOMINAL FIRST FLOOR ELEVATION. SEE PLAN. PLAN LINE DENOTES ELEVATION TOP OF FIRST FLOOR ELEVATION.
- ELEVATION TOP OF CONCRETE WALL REFERENCED FROM NOMINAL FIRST FLOOR ELEVATION.
- JOIST BEARING ELEVATION REFERENCED FROM NOMINAL FIRST FLOOR ELEVATION.
- ELEVATION REFERENCED FROM NOMINAL FIRST FLOOR ELEVATION, ON FOUNDATION OR FLOOR FRAMING PLAN. DENOTES ELEVATION TOP OF SLAB, ON ROOF FRAMING PLAN DENOTES ELEVATION TOP OF METAL DECK.
- BRICK LEDGE ELEVATION REFERENCED FROM NOMINAL FIRST FLOOR ELEVATION.
- DAMP PROOFING, SEE SPECIFICATIONS.
- 1 1/2", 20 GAUGE TYPE F METAL ROOF DECK AND DIRECTION OF SPAN.
- 3", 20 GAUGE TYPE N METAL ROOF DECK AND DIRECTION OF SPAN.
- BUILDING LINE
- CONCRETE SLAB, SEE SCHEDULE.
- EDGE OF DECK.
- END OF JOISTS, OR BEAMS.
- EDGE OF SLAB.
- F18 (3'-4") CONTINUOUS CONCRETE FOOTING AND TOP OF FOOTING BELOW NOMINAL FIRST FLOOR ELEVATION.
- P40'-8" CONCRETE PAD AND TOP OF PAD ELEVATION BELOW NOMINAL FIRST FLOOR ELEVATION.
- CONCRETE PIER AND ELEVATION TOP OF PIER BELOW NOMINAL FIRST FLOOR ELEVATION.
- LINTEL (SEE SCHEDULE)
- ROOF OR FLOOR OPENING AND SIZE, SEE GENERAL FRAMING NOTE NO. 5. VERIFY LOCATION WITH MECHANICAL CONTRACTOR.
- SECTION, DETAIL, OR ELEVATION
- DIMENSION TO BE FIELD VERIFIED.
- CONSTRUCTION OR SAWED JOINT IN CONCRETE SLAB, SEE (5)

INDICATES KNEE BRACE-SEE DETAIL

BEAM SIZE

TOP OF LEVEL BEAMS
REFERENCED TO NOMINAL FIRST FLOOR ELEVATION OF 0'-0"

TOP OF SLOPING BEAMS
REFERENCED TO NOMINAL FIRST FLOOR ELEVATION OF 0'-0"

COLUMN SIZE

JOIST QUANTITY AND SIZE

BOLTED JOIST CONNECTION AT BOTH ENDS OF THE JOIST

ATTACH BOTTOM CHORD OF JOIST TO BOTTOM FLANGE OF BEAM

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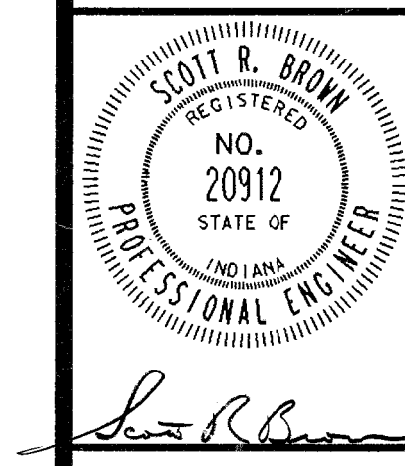
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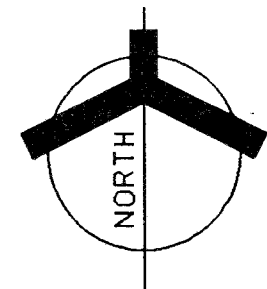
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OF 4

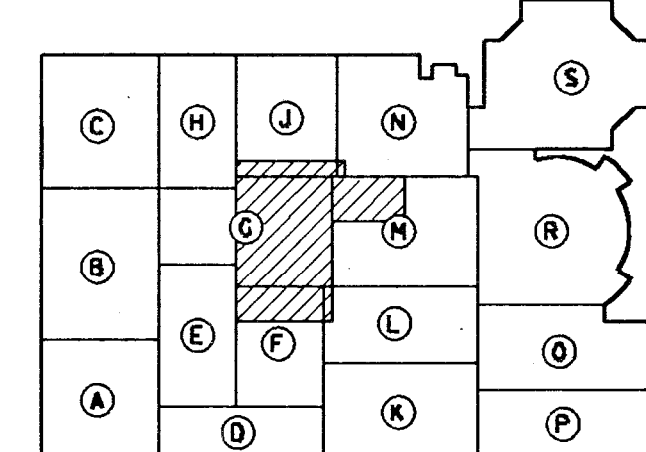
ADDITION TO AND RENOVATION OF LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 251-1000





SCALE: 1/8" = 1'-0"



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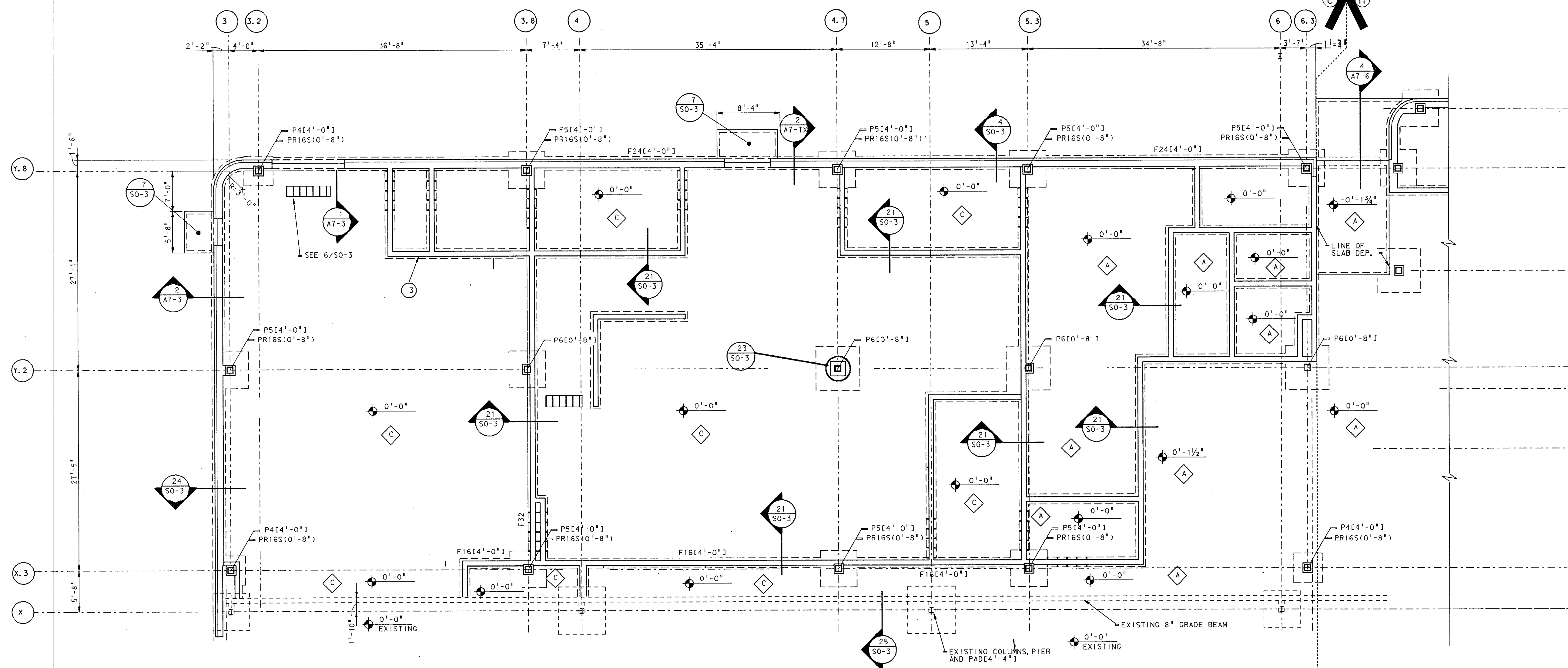
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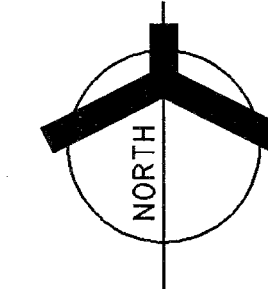
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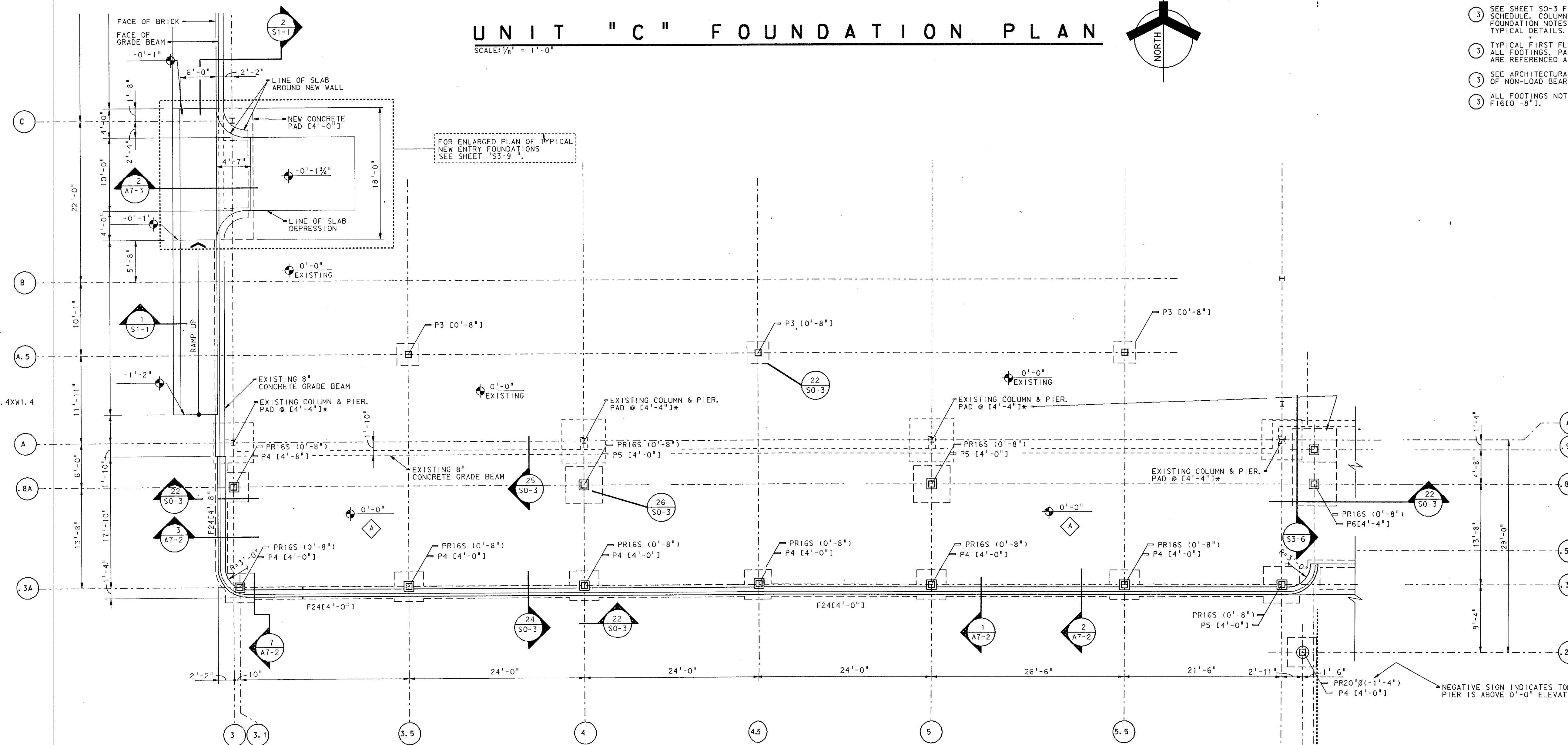
UNIT "C" FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



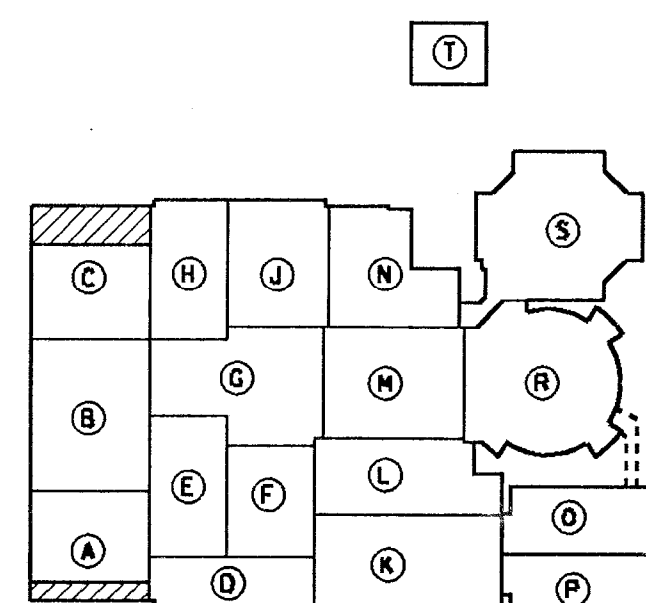
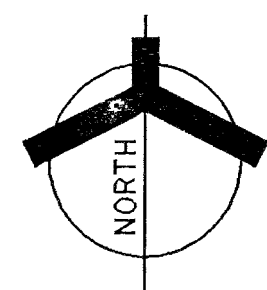
PLAN NOTES

- SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE PLATE SCHEDULE, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
- TYPICAL FIRST FLOOR ELEVATION IS 0'-0"±858.44. ALL FOOTINGS, PADS, PIER TOPS, SLABS, AND BEAMS ARE REFERENCED ABOVE OR BELOW ELEVATION 0'-0".
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF NON-LOAD BEARING MASONRY WALLS.
- ALL FOOTINGS NOT NOTED ON PLAN ARE F16(0'-8").



UNIT "A" FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



KEY PLAN

NOT TO SCALE

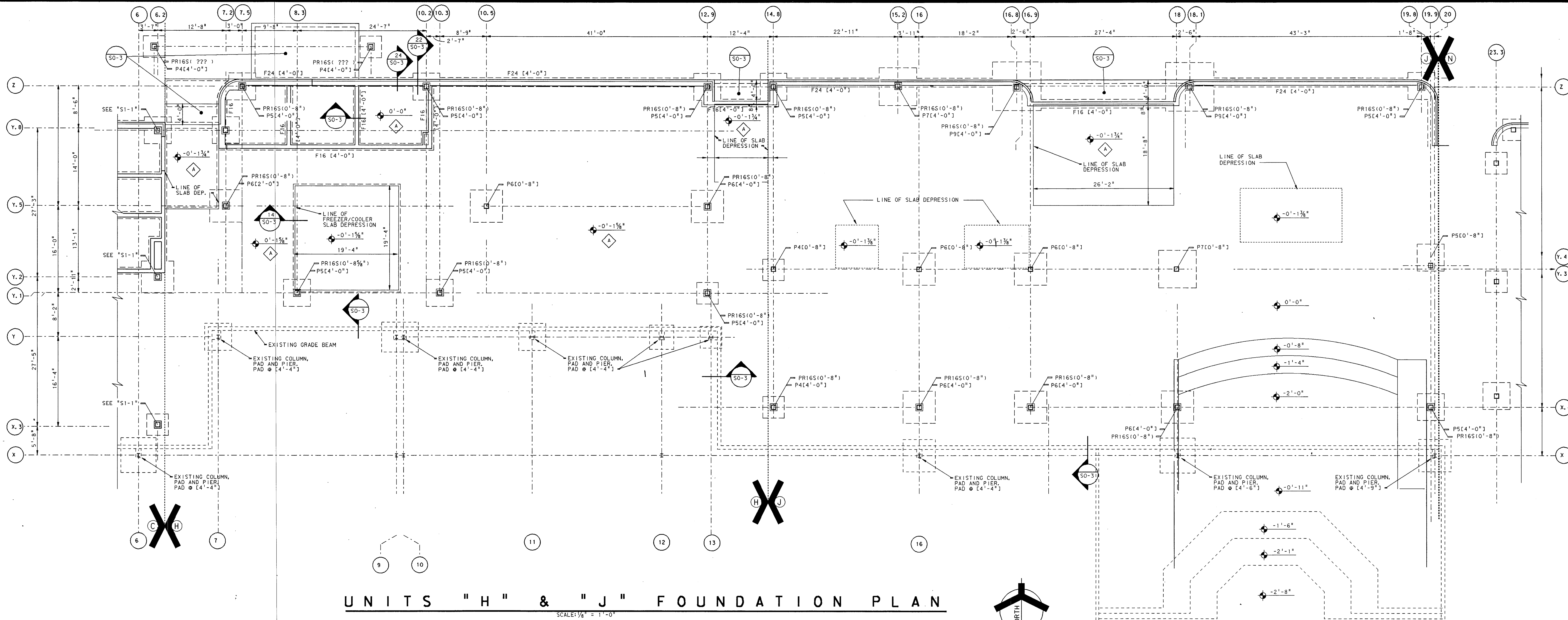
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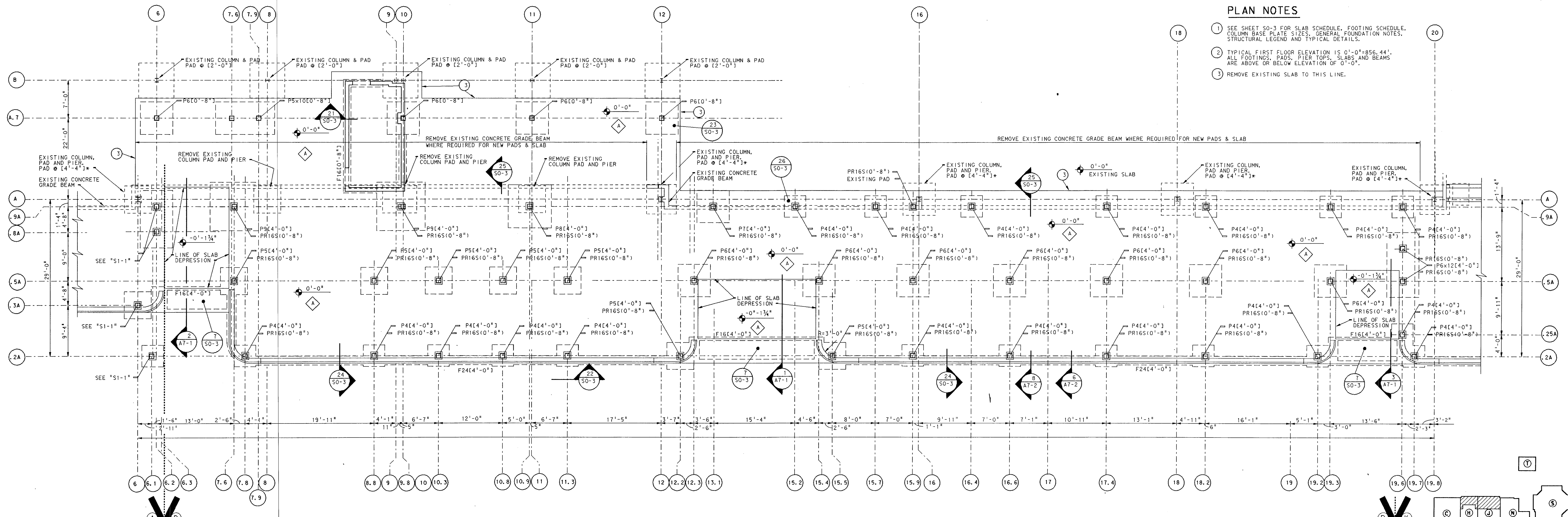
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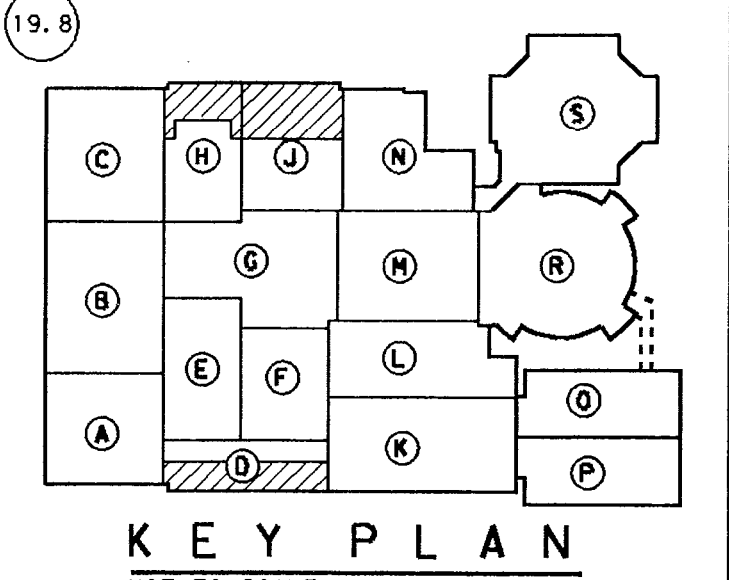


UNIT "H" & "J" FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



UNIT "D" FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

- PLAN NOTES**
- SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE PLATE SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
 - TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=856.44'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
 - REMOVE EXISTING SLAB TO THIS LINE.

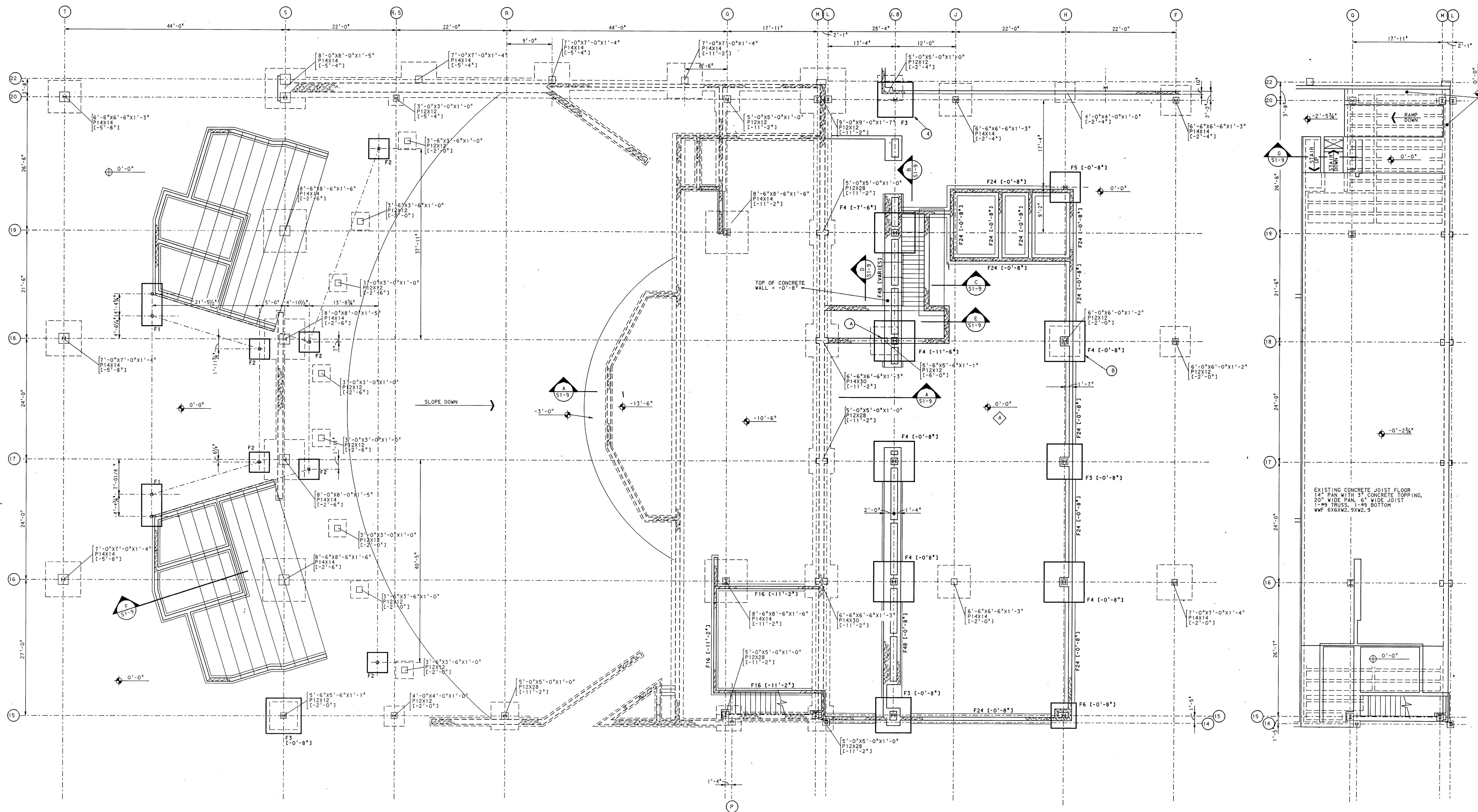


**ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL**
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT L. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET,
INDIANAPOLIS, INDIANA 46204
(317) 231-7000



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AUDITORIUM, PROSCENEUM AND SCENE SHOP - FOUNDATION PLAN

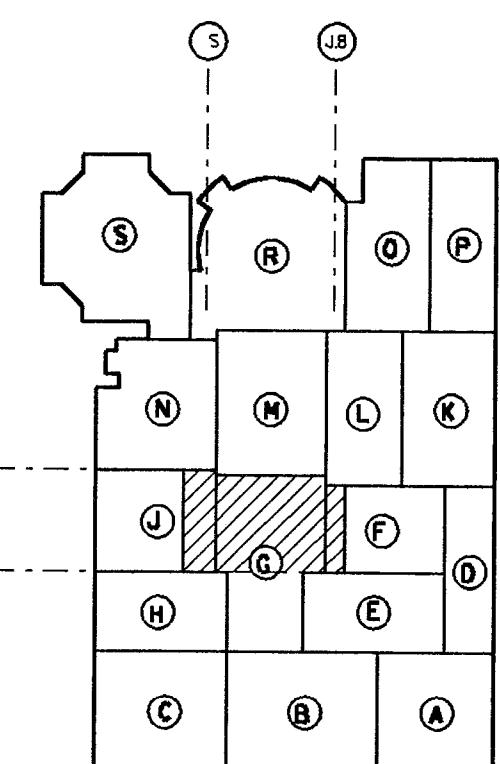
SCALE: 1/8" = 1'-0"

NEW FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARK
F1	8'-4 3/4" X 4'-0" X 1'-0"	4-#6 LONG. 8-#6 SHORT	
F2	4'-0" X 4'-0" X 1'-0"	8-#6	1/2 EACH WAY
F3	7'-0" X 7'-0" X 1'-4"	14-#6	1/2 EACH WAY
F4	8'-0" X 8'-0" X 1'-4"	16-#6	1/2 EACH WAY
F5	6'-0" X 6'-0" X 1'-2"	12-#6	1/2 EACH WAY
F6	5'-0" X 5'-0" X 1'-2"	12-#6	1/2 EACH WAY

PLAN NOTES:

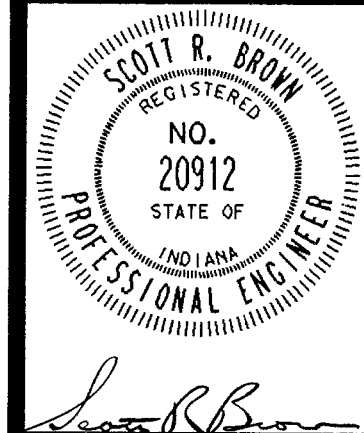
- FOR GENERAL NOTES SEE DRAWING "50-3" AND DRAWING "S1-9". NOTES ON DRAWING "S1-9" SUPERSEDE NOTES ON DRAWING "50-3".
- ALL EXISTING STRUCTURE IS SHOWN WITH DASHED LINES.
- ALL NEW CONSTRUCTION IS SHOWN WITH SOLID LINES.
- FOR CONCRETE FOOTING SIZES AND REINFORCING SEE SCHEDULE THIS DRAWING.
- DATUM ELEVATION 0'-0" = 858'-6".
- REMOVE EXISTING PLASTER AND FOOTING
- SEE DETAIL/SECTION B/S1-4.
- SEE DETAIL/SECTION C/S1-4.



KEY PLAN
NOT TO SCALE

ADDITION TO and RENOVATION OF
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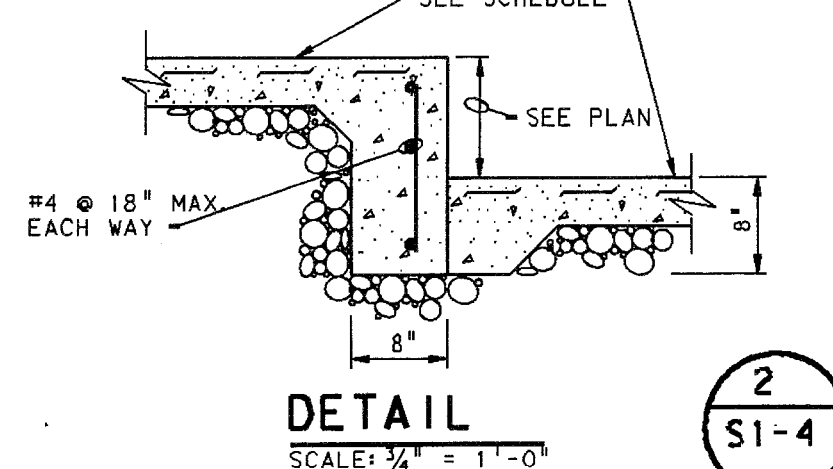
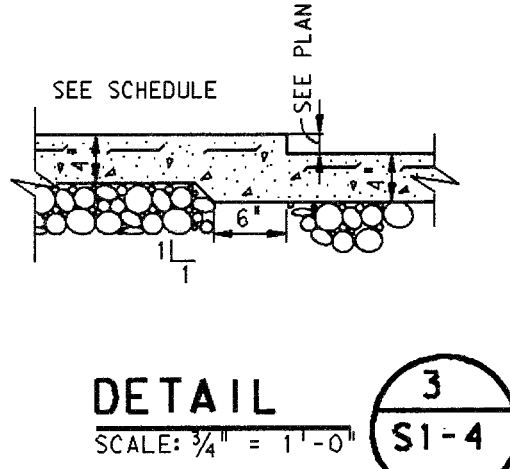
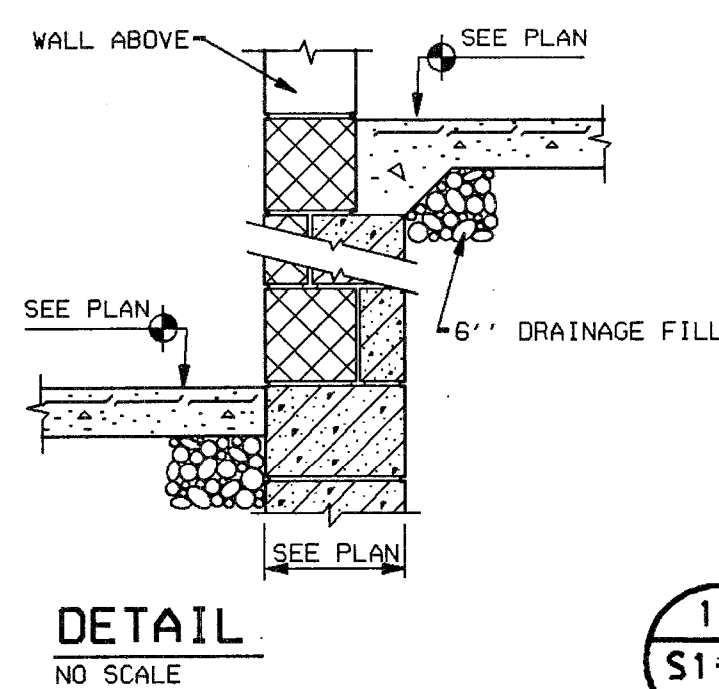
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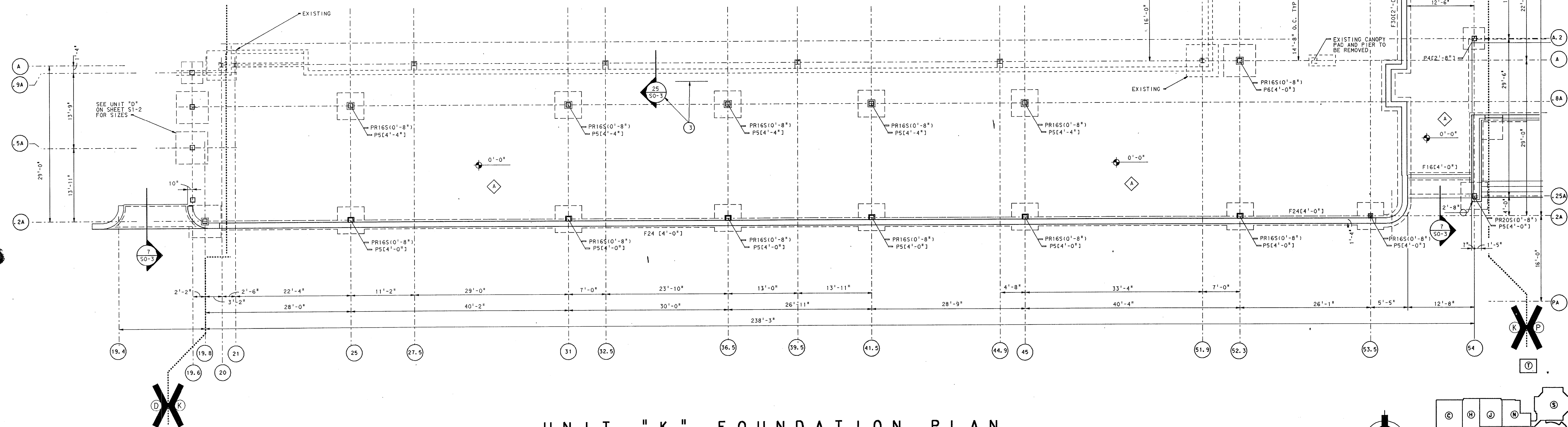
PROJECT
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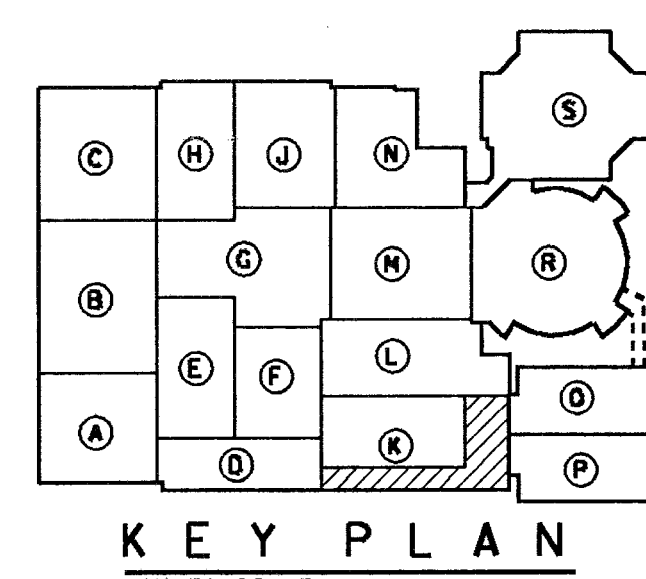
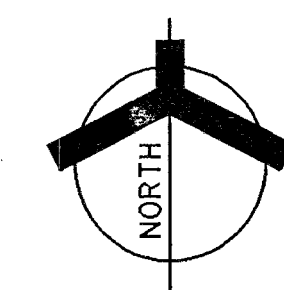
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- PLAN NOTES**
1. TYPICAL FIRST FLOOR ELEVATION IS 0'-0"±888.44'. ALL FOOTINGS, PADS, PIER TOPS, AND SLABS ARE REFERENCED ABOVE OR BELOW ELEVATION 0'-0".
 2. SEE SHEET S0-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE PLATE SCHEDULE, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
 3. SEE DETAIL FOR INDICATION OF EXTENT OF NEW SLAB.

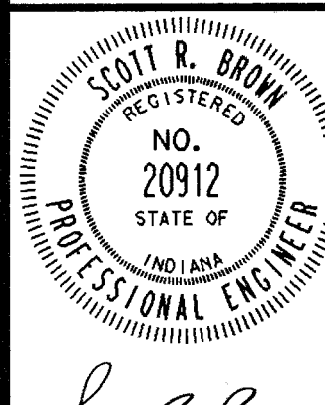


UNIT "K" FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

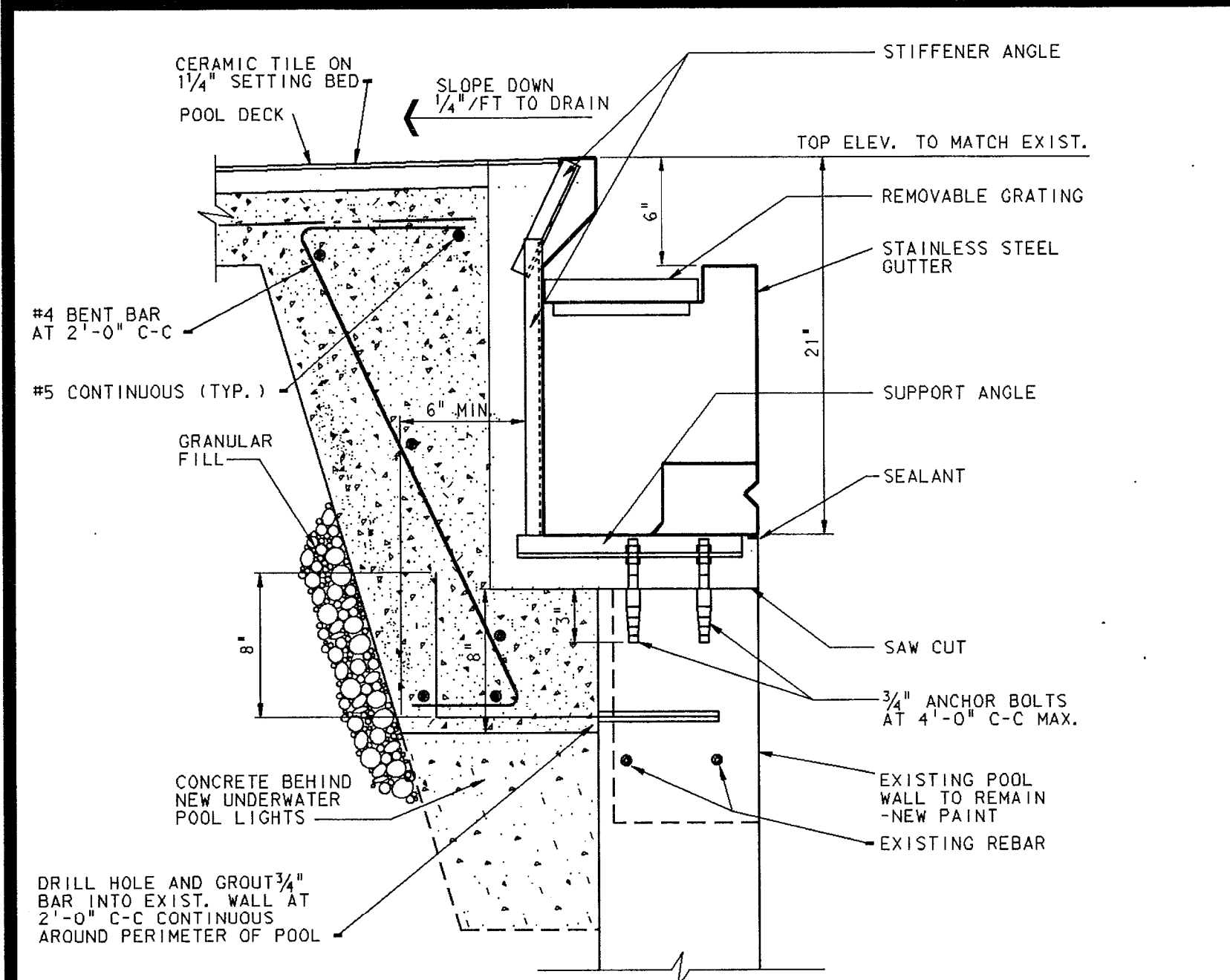


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MARION COUNTY, INDIANA

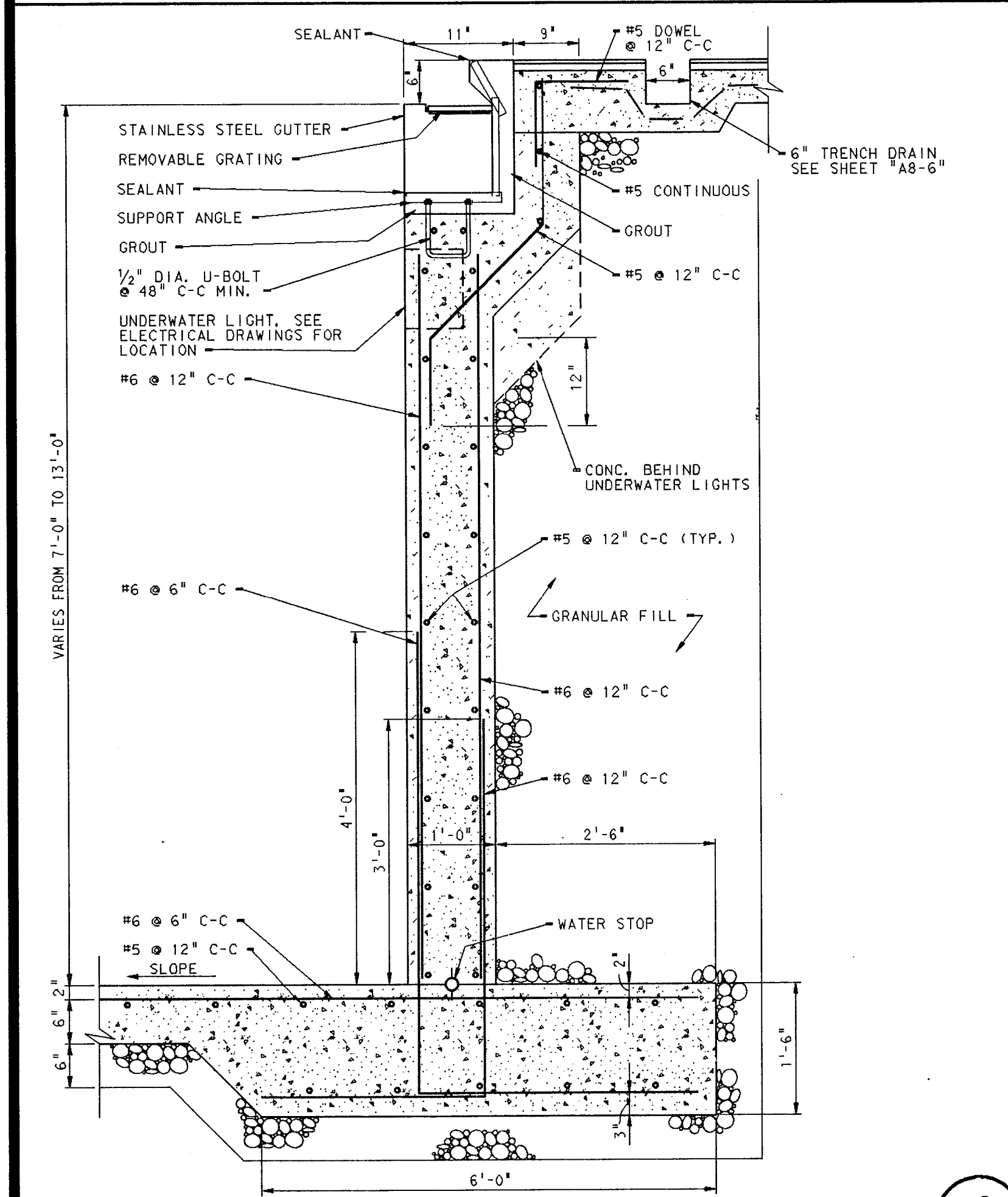
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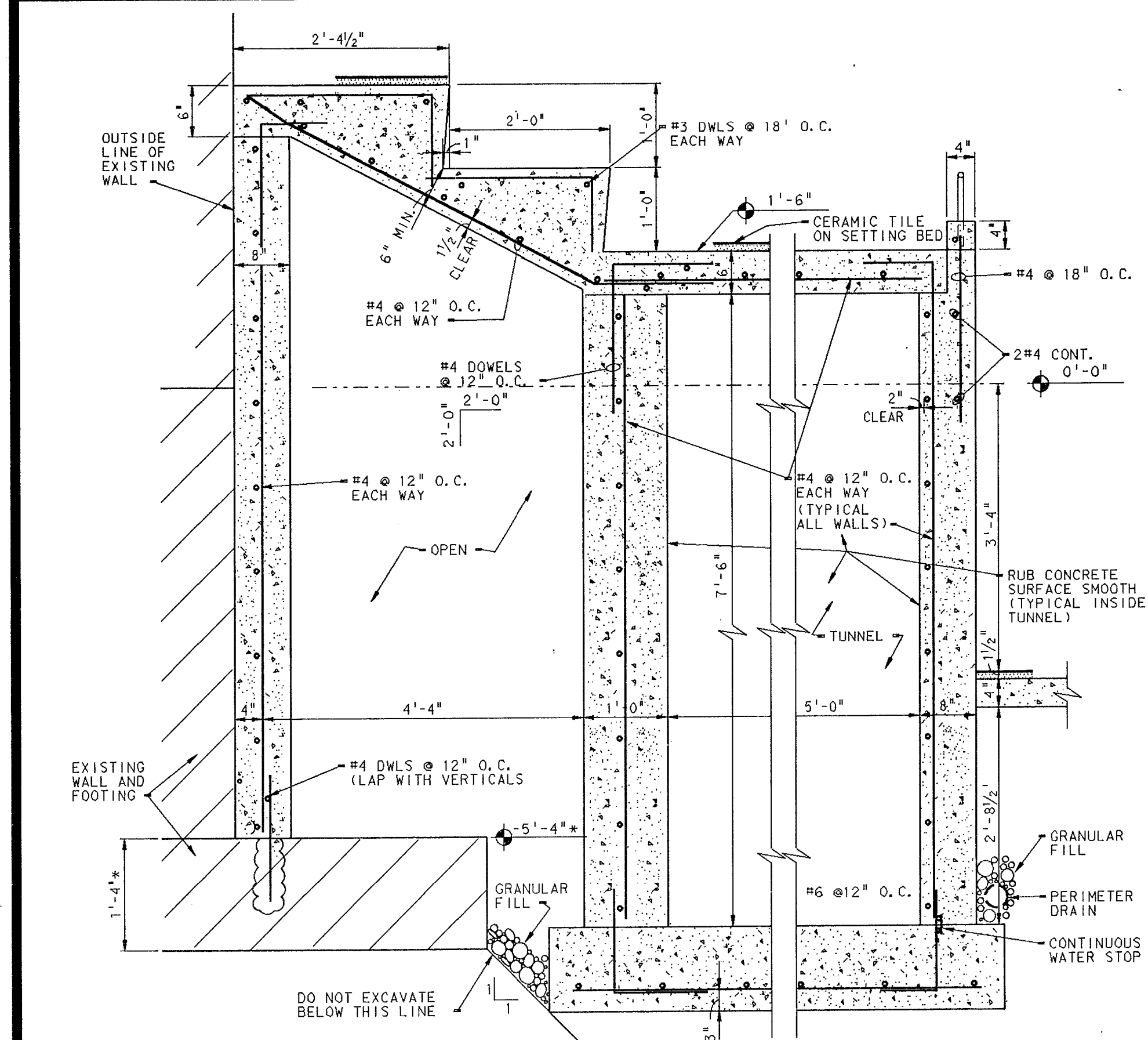
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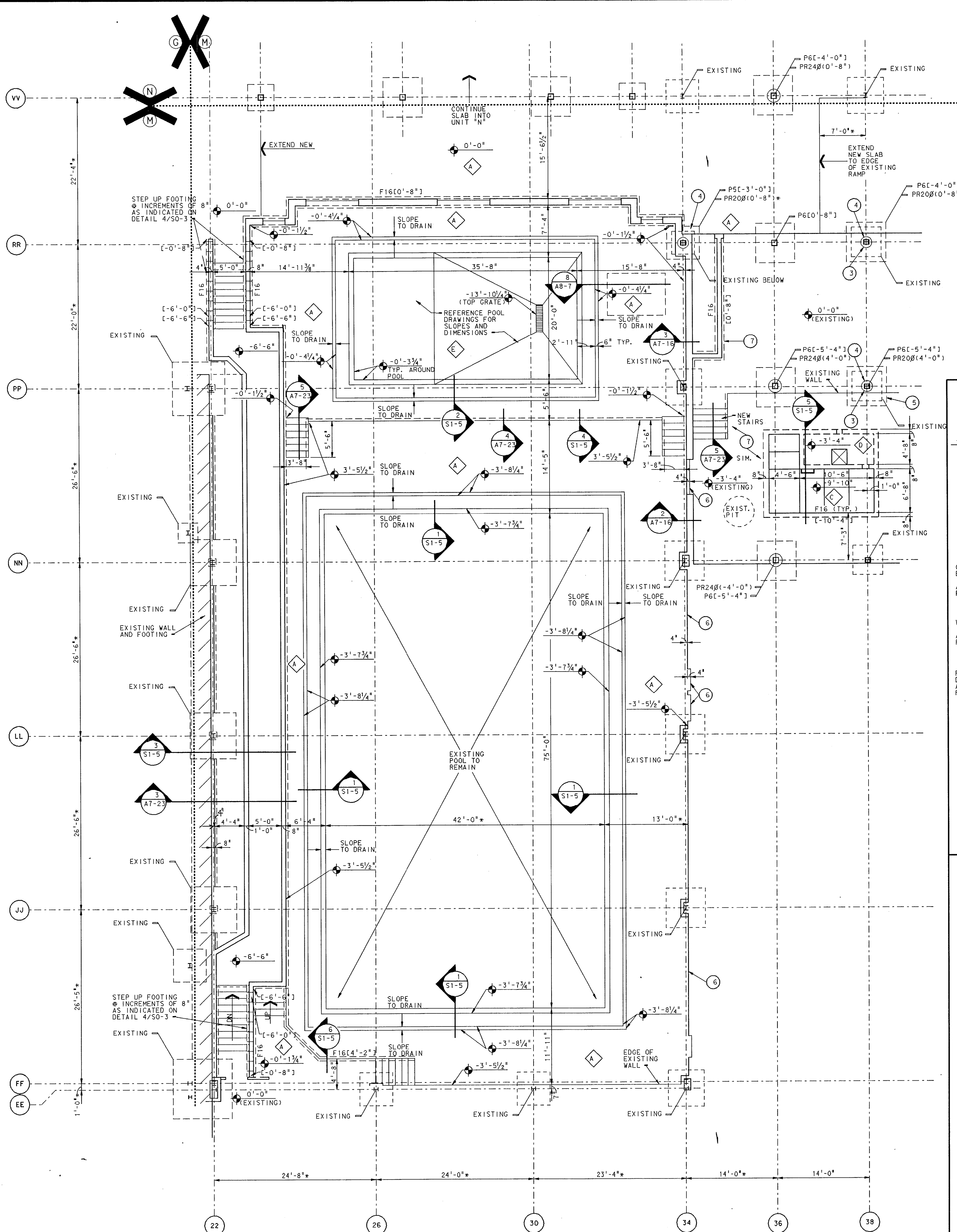
STAINLESS STEEL GUTTER DETAIL
@ RENOVATED POOL
SCALE: 1/2" = 1'-0"



SECTION
SCALE: 1/4" = 1'-0"



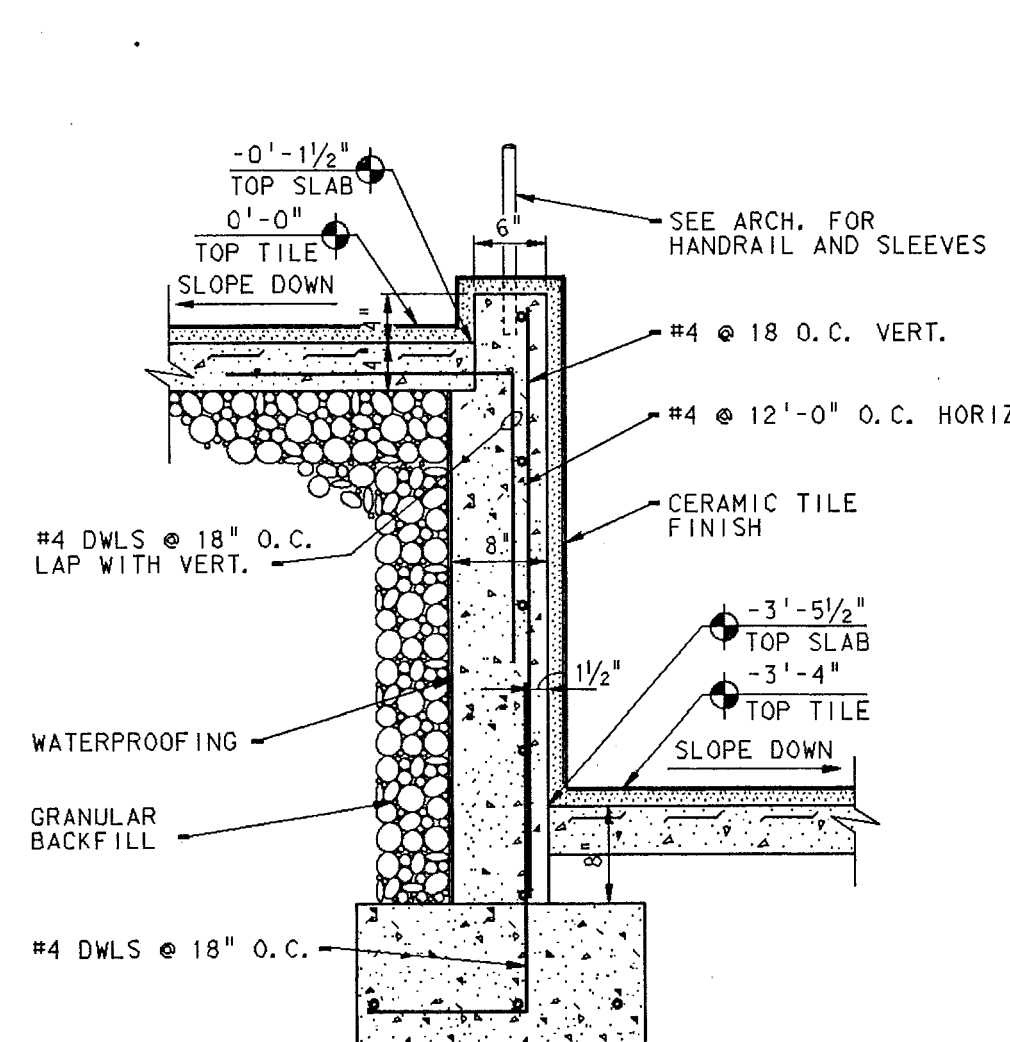
SECTION
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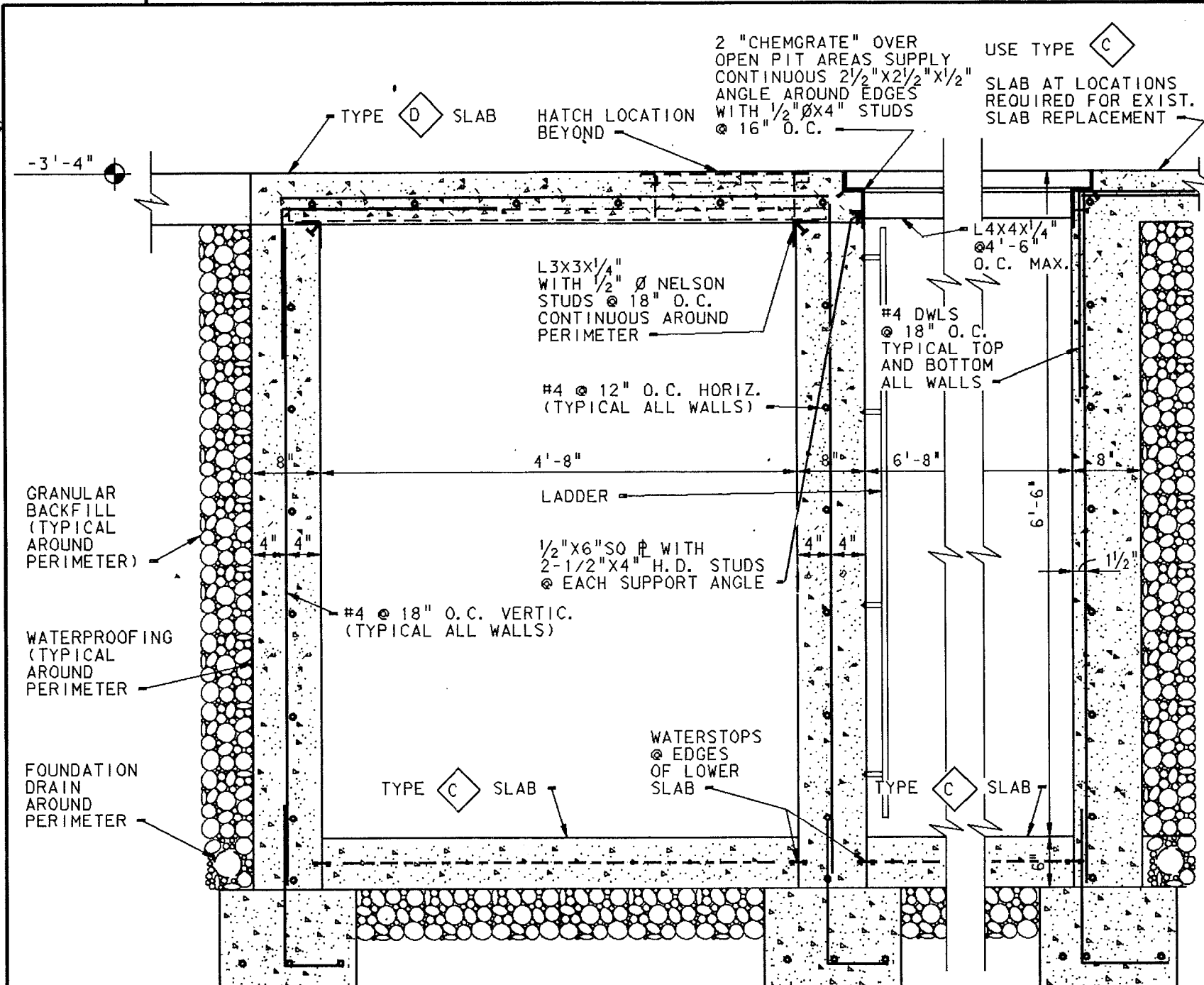
UNIT "M" DIVING POOL & POOL TUNNEL
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES

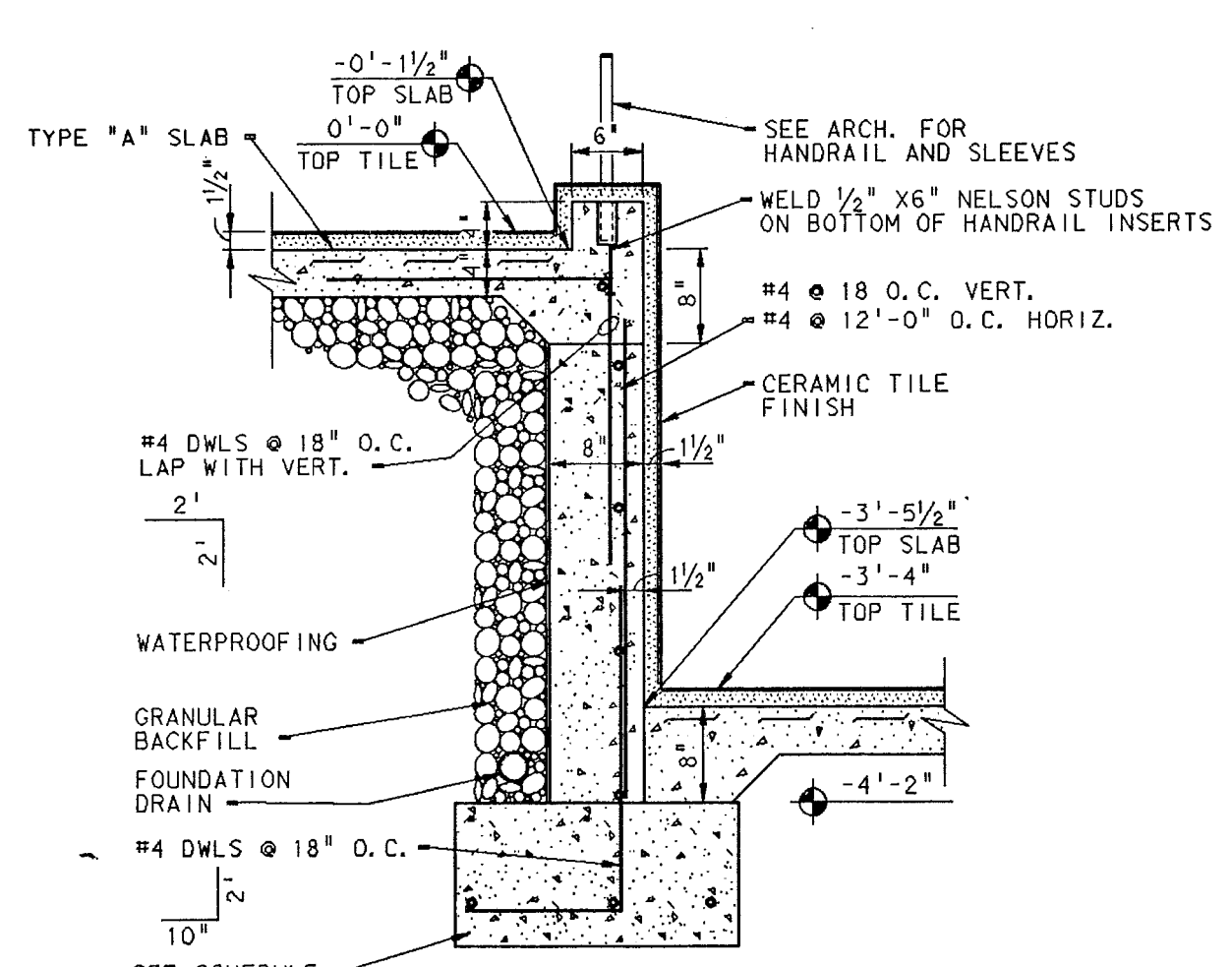
1. TYPICAL FIRST FLOOR ELEVATION IS 0'-0"±858.41'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
2. SEE SHEET 50-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE & SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
3. SUPPLY NEW ANCHOR BOLTS 16" LONG WITH 3" HOOK TO MATCH TYPE EXISTING BOLTS AND LOCATED TO FIT.
4. REMOVE EXISTING PIERS TO TOP OF EXISTING FOOTINGS. SHORE UP OR REMOVE EXISTING STRUCTURE AS REQUIRED.
5. REMOVE EXISTING FOOTING IN ITS ENTIRETY. FILL ANY VOIDS WITH CONCRETE DURING CONSTRUCTION OF NEW FOOTING.
6. EDGE OF EXISTING SLAB.
7. REPAIR AND REPLACE EXISTING SLAB AS REQUIRED WITH NEW TYPE $\diamond$ SLAB.



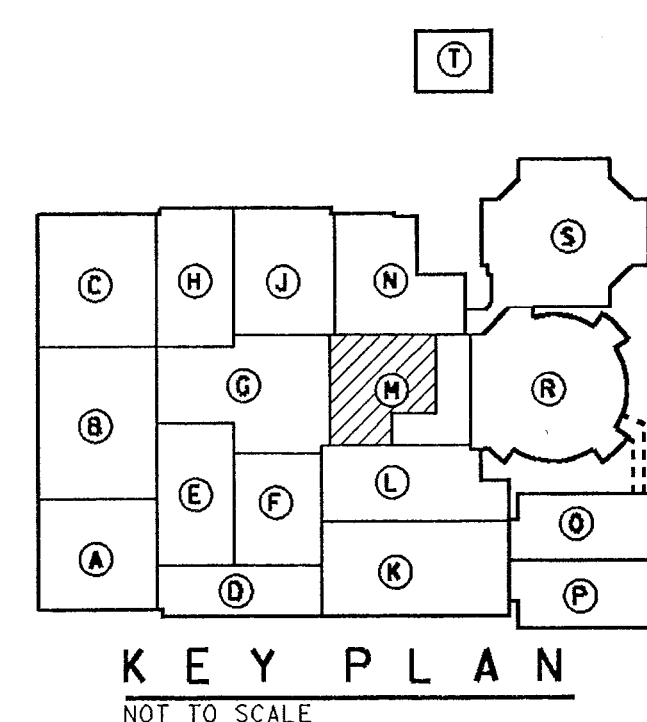
SECTION
SCALE: 3/4" = 1'-0"

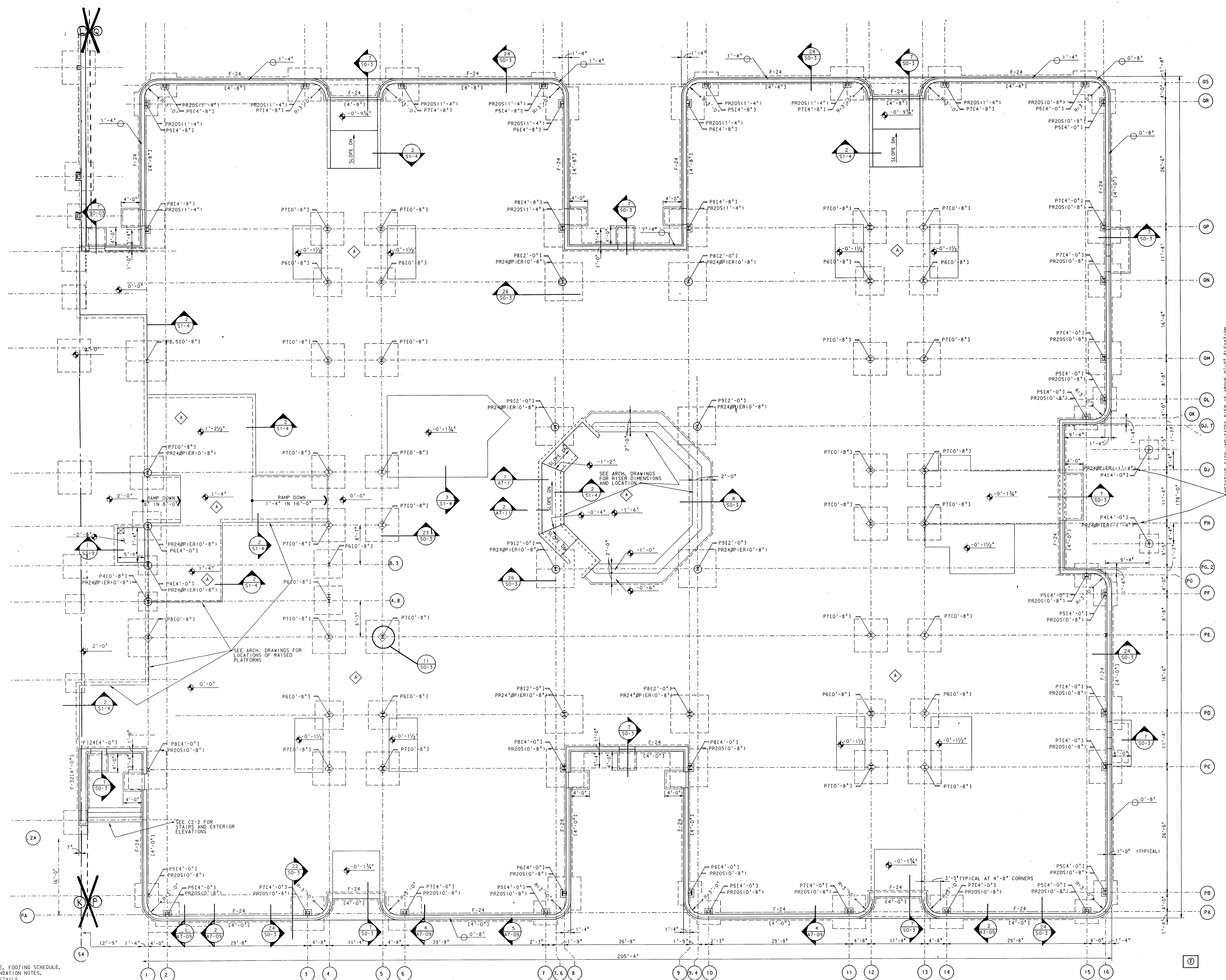


SECTION
SCALE: 3/4" = 1'-0"



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



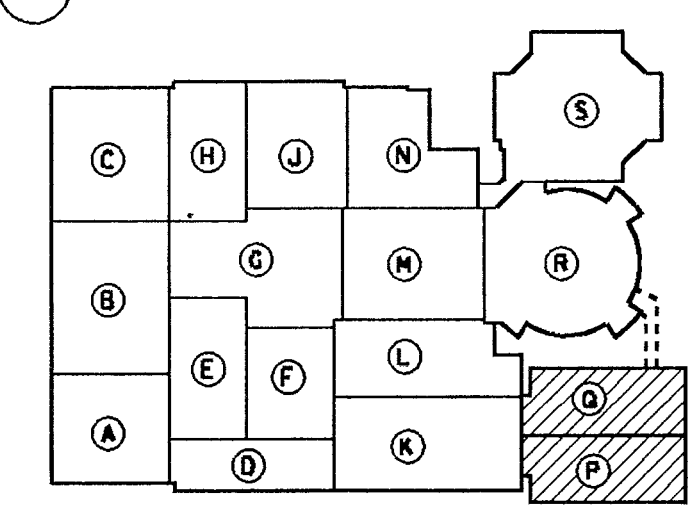
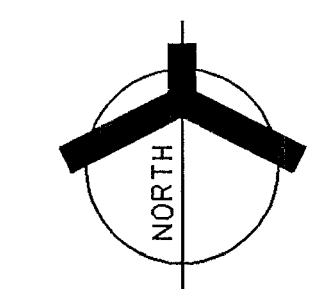


NEGATIVE SIGN INDICATES PIER IS ABOVE 0'-0" ELEVATION

PLAN NOTES

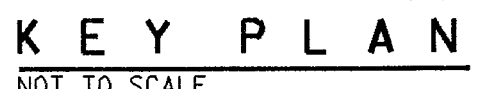
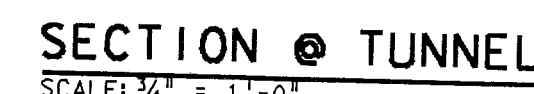
- SEE SHEET S0-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE @ SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
- TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=856.44'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
- SUMP PIT LOCATION, VERIFY OPENING SIZES AND LOCATION WITH MECHANICAL/PLUMBING CONTRACTOR.
- SEE DETAIL 3/S0-3 FOR EQUIPMENT PAD AND VERIFY SIZE AND LOCATION OF CONCRETE PAD WITH MECHANICAL OR ELECTRICAL CONTRACTOR.
- SEE DETAIL 4/S0-3 FOR FOOTING STEPS.

UNIT "P" & "O" FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"



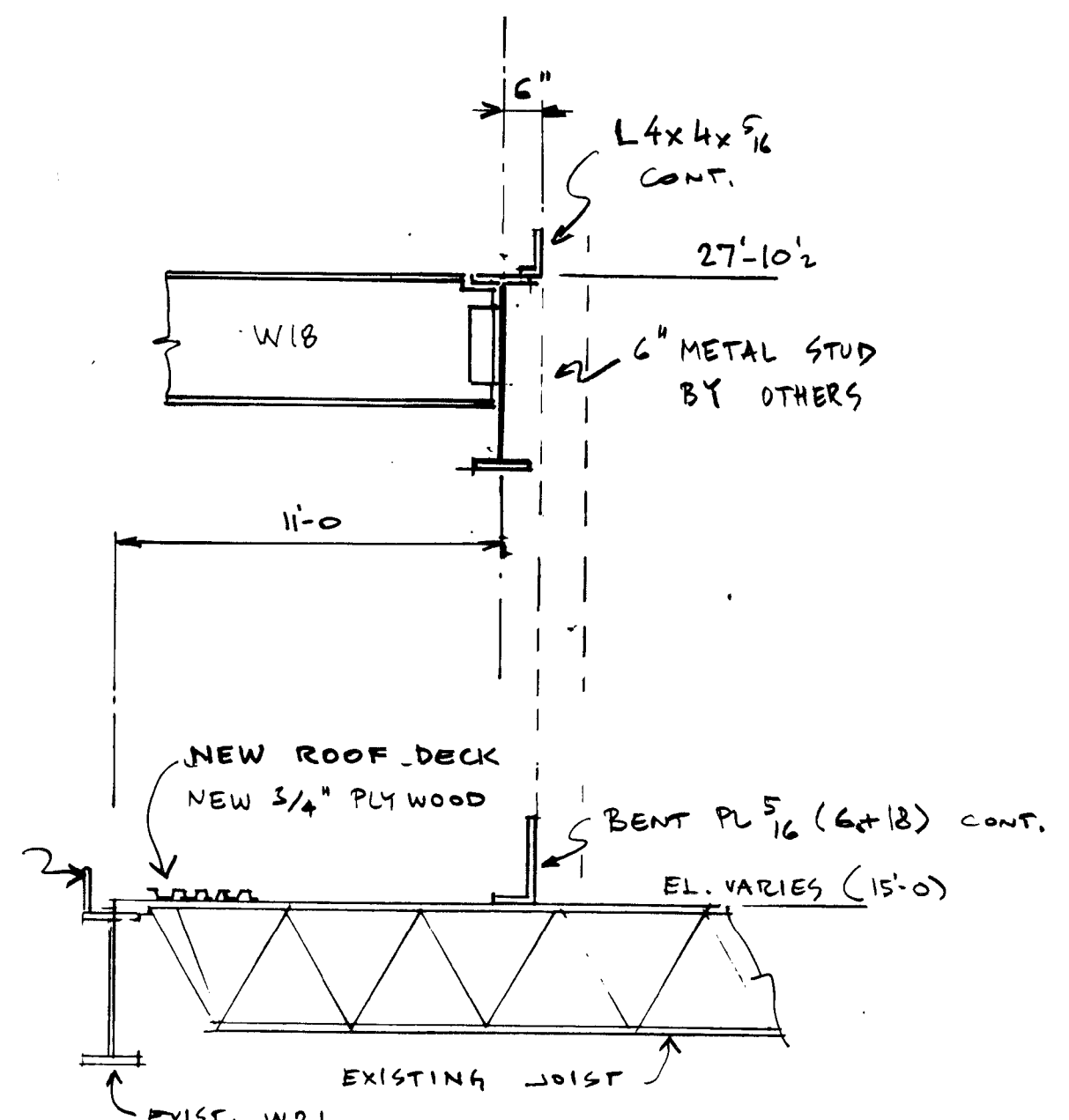
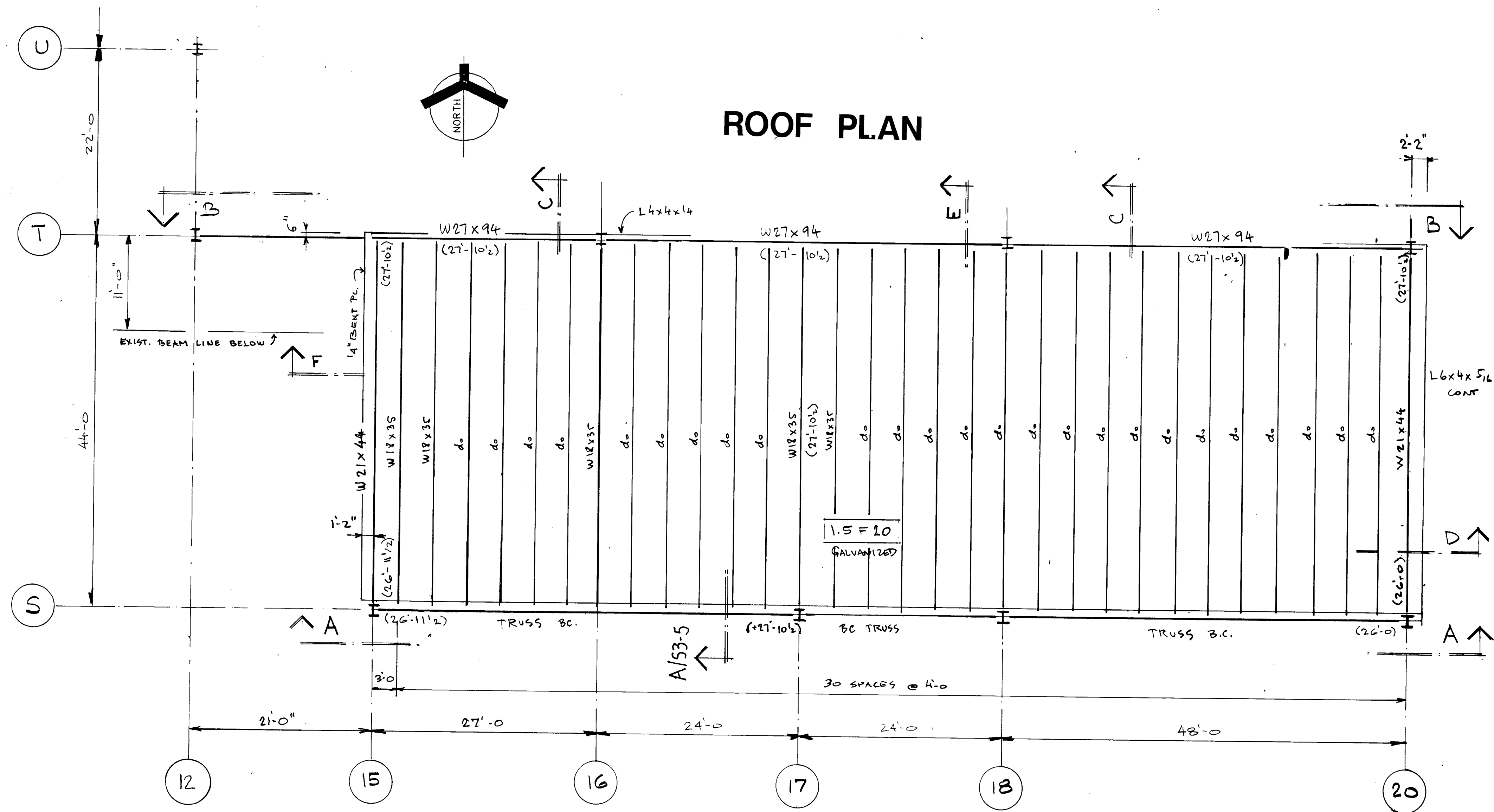
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 NOT TO SCALE

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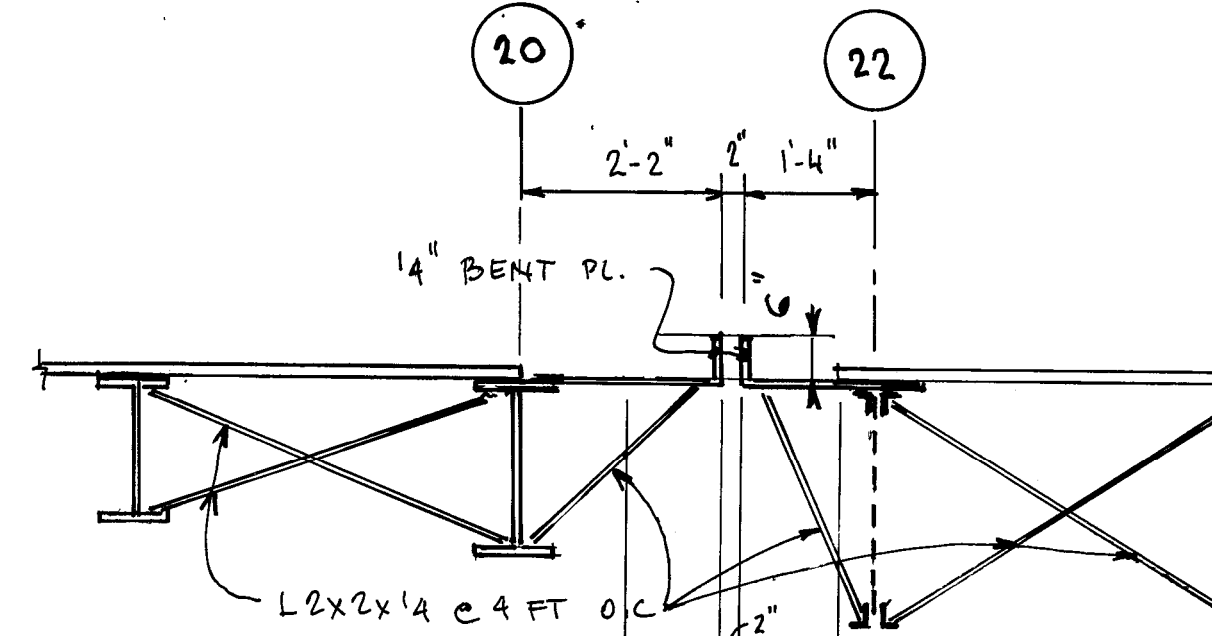


- ## UNIT "L" PLAN NOTES
- ① SUPPLY NEW SLAB TYPE  AT LOCATIONS OF EXISTING WALL AND SLAB REMOVAL.
 - ② SEE SHEET 50-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN SCHEDULE, SHEET GENERAL, FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
 - ③ TYPICAL FIRST FLOOR ELEVATION IS 0'-0"±358.44". ALL FOOTING, PAD, PIER, FOUNDATION WALLS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
 - ④ REMOVE EXISTING FOOTING TO MATCH NEW FOOTING AS REQUIRED.
 - ⑤ LIMIT OF NEW STRUCTURAL CONSTRUCTION IN THIS AREA.

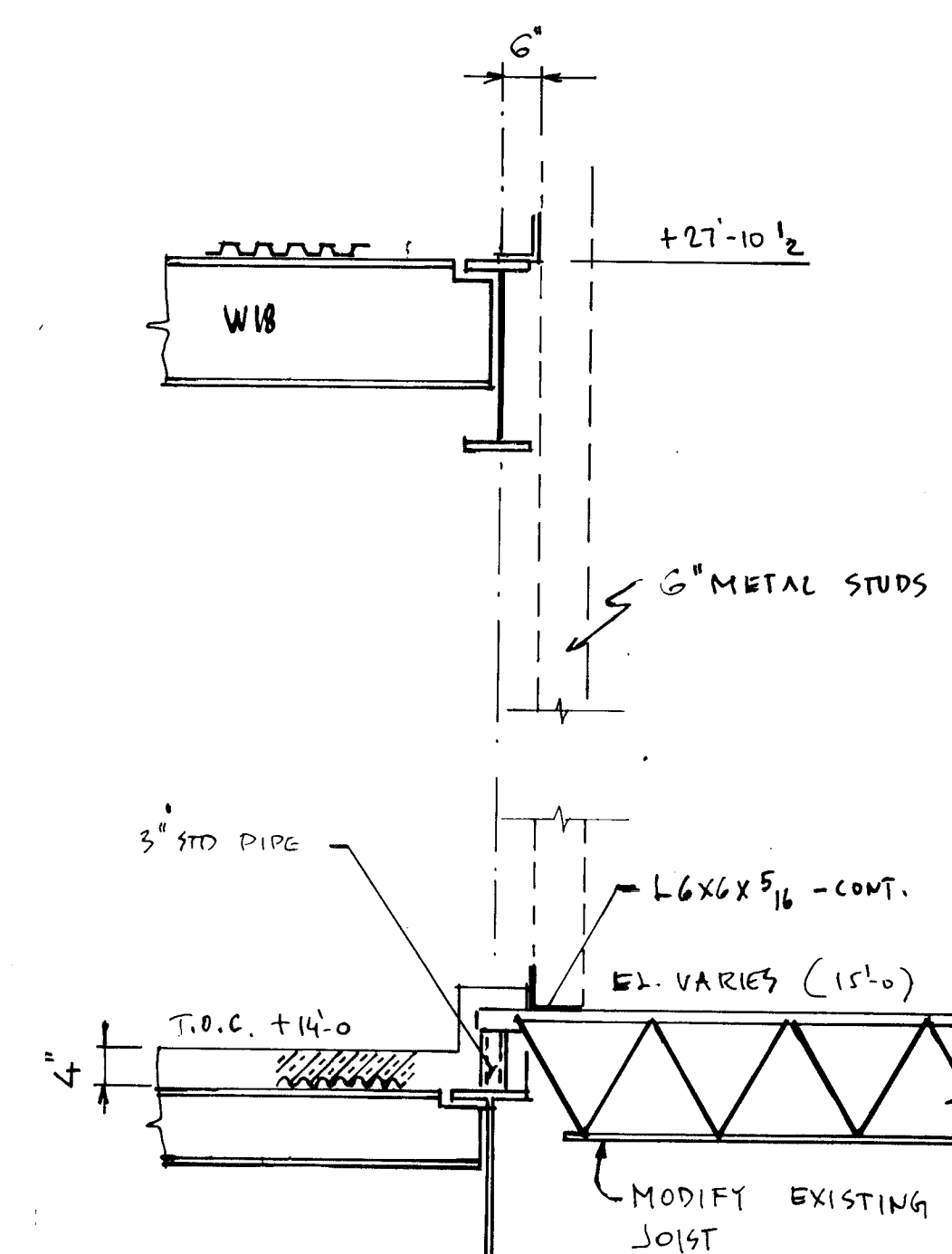
ROOF PLAN



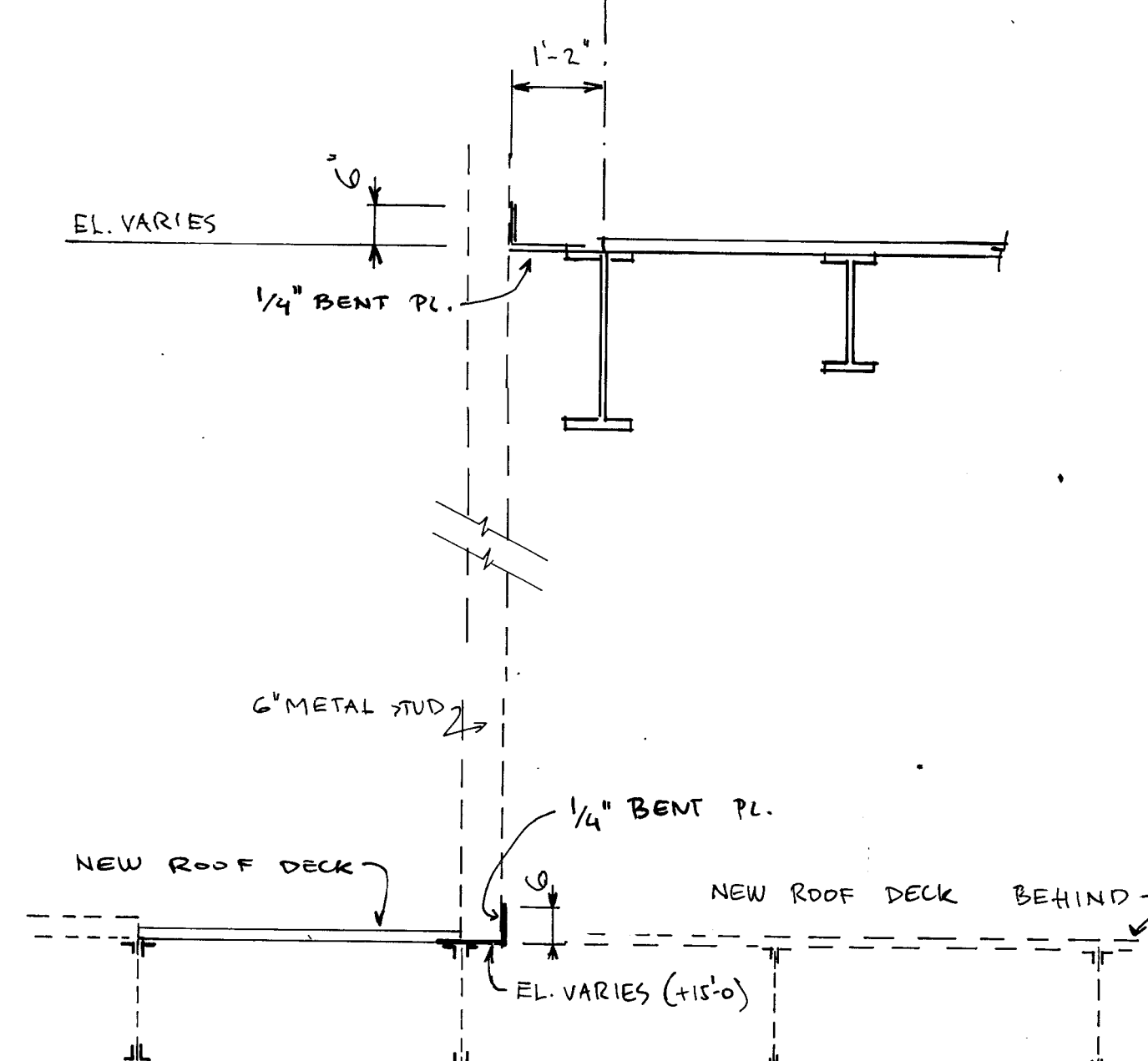
SECTION C - C
1/2" = 1'-0"



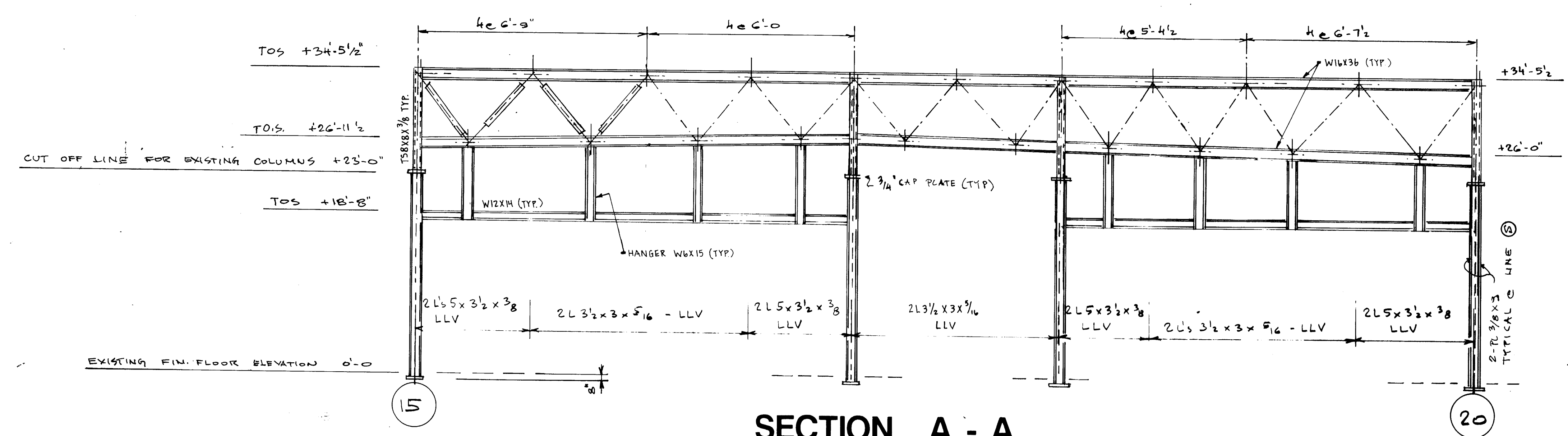
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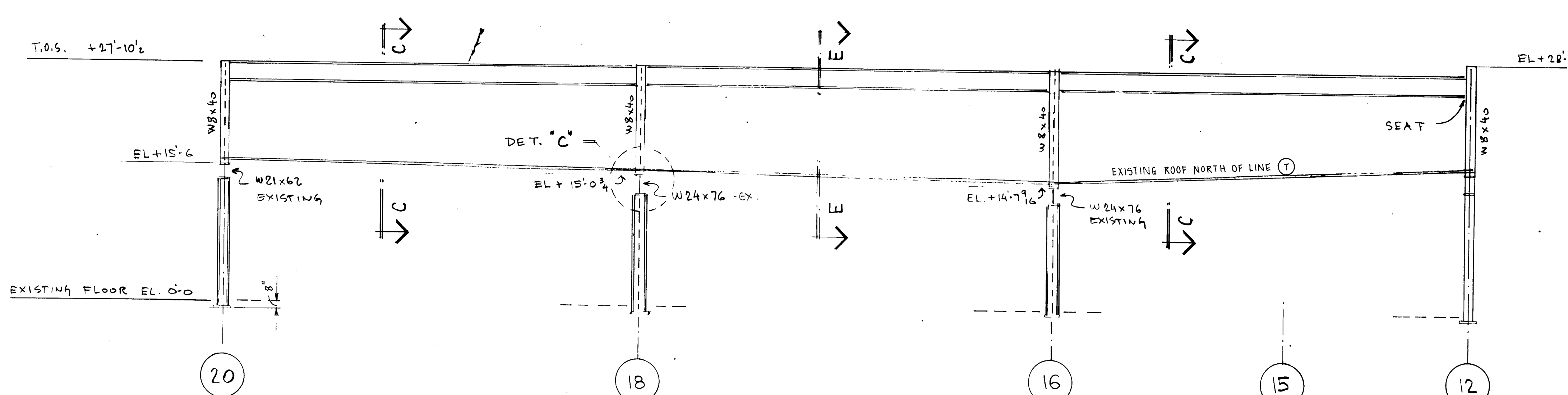
SECTION E-E
1/2" = 1'-0"



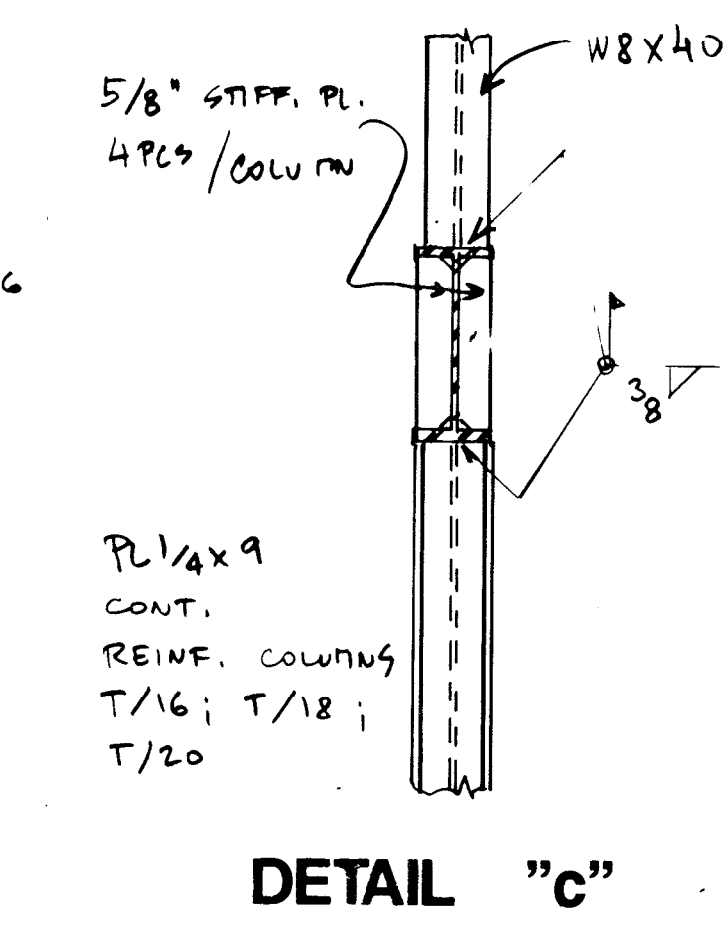
SECTION F-F
1/2" = 1'-0"



SECTION A - A



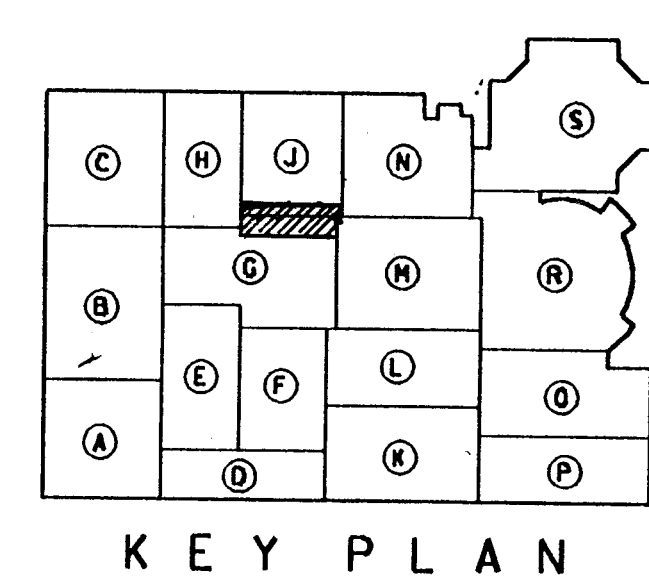
SECTION B - B



DETAIL "c"

PLAN NOTES

- For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
- Provide new roof deck in areas of remodeling, where the existing Tectum decking might be damaged during construction.
- Verify elevations to match existing slope.
- Build truss in line "S" out of three pieces.
- Provide 1/2 inch thick gusset plates.
- Provide balanced welds on truss diagonals.
- Provide 2 inch long slotted holes in truss bottom chord. Eliminate slots by welding the bottom WT shear tab to truss bottom chord after all roof dead load is applied.
- Provide full penetration welds on all column extensions.



KEY PLAN
NOT TO SCALE

AUDITORIUM ROOF PLAN, SECTIONS, DETAILS PARTIAL UNIT "G" AND UNIT "J"

ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

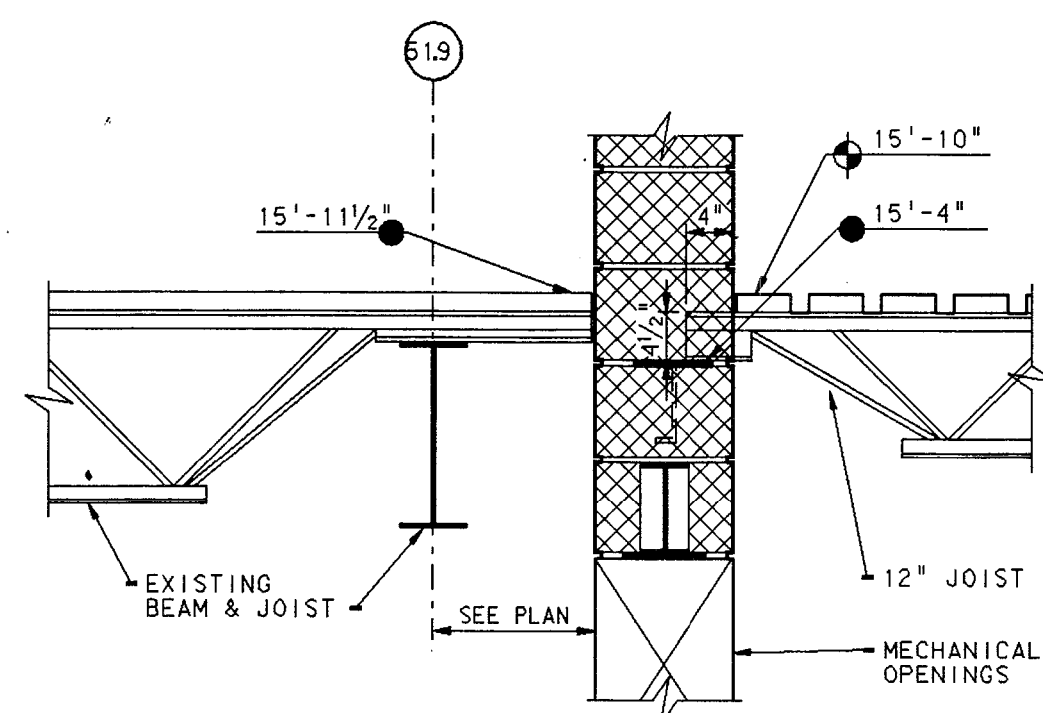
EVERETT L. BROWN Company
Architects & Engineers
363 N. MERIDIAN STREET, SUITE 200
INDIANAPOLIS, INDIANA 46204
(317) 237-7000

REGISTERED PROFESSIONAL ENGINEER
No. 20912
STATE OF INDIANA
Scott R. Brown

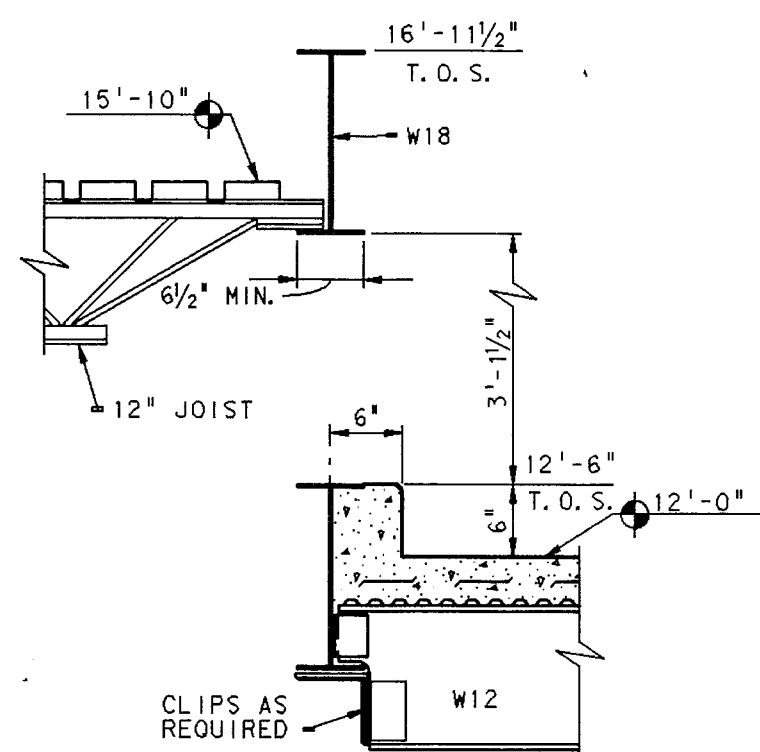
PROJECT
871-110
DATE
DEC. 18, 1989

REVISED

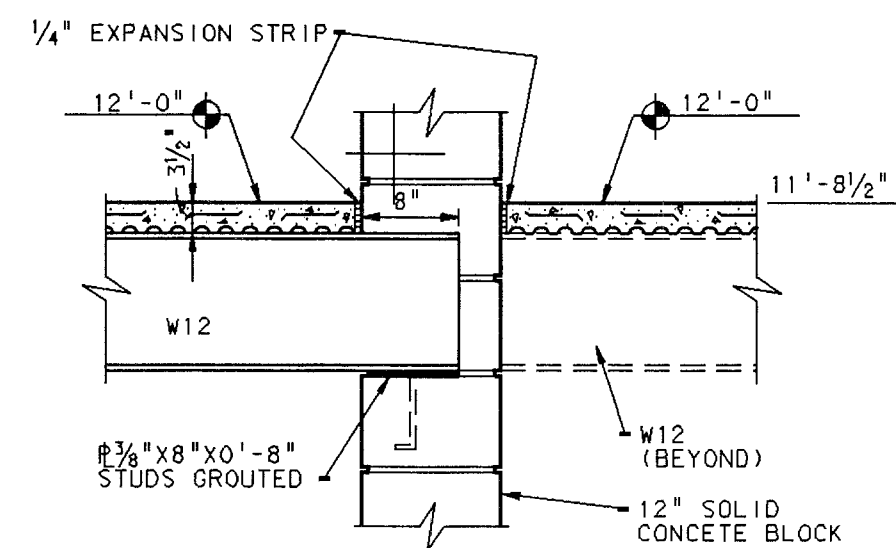
NO. S2-3
OF 12



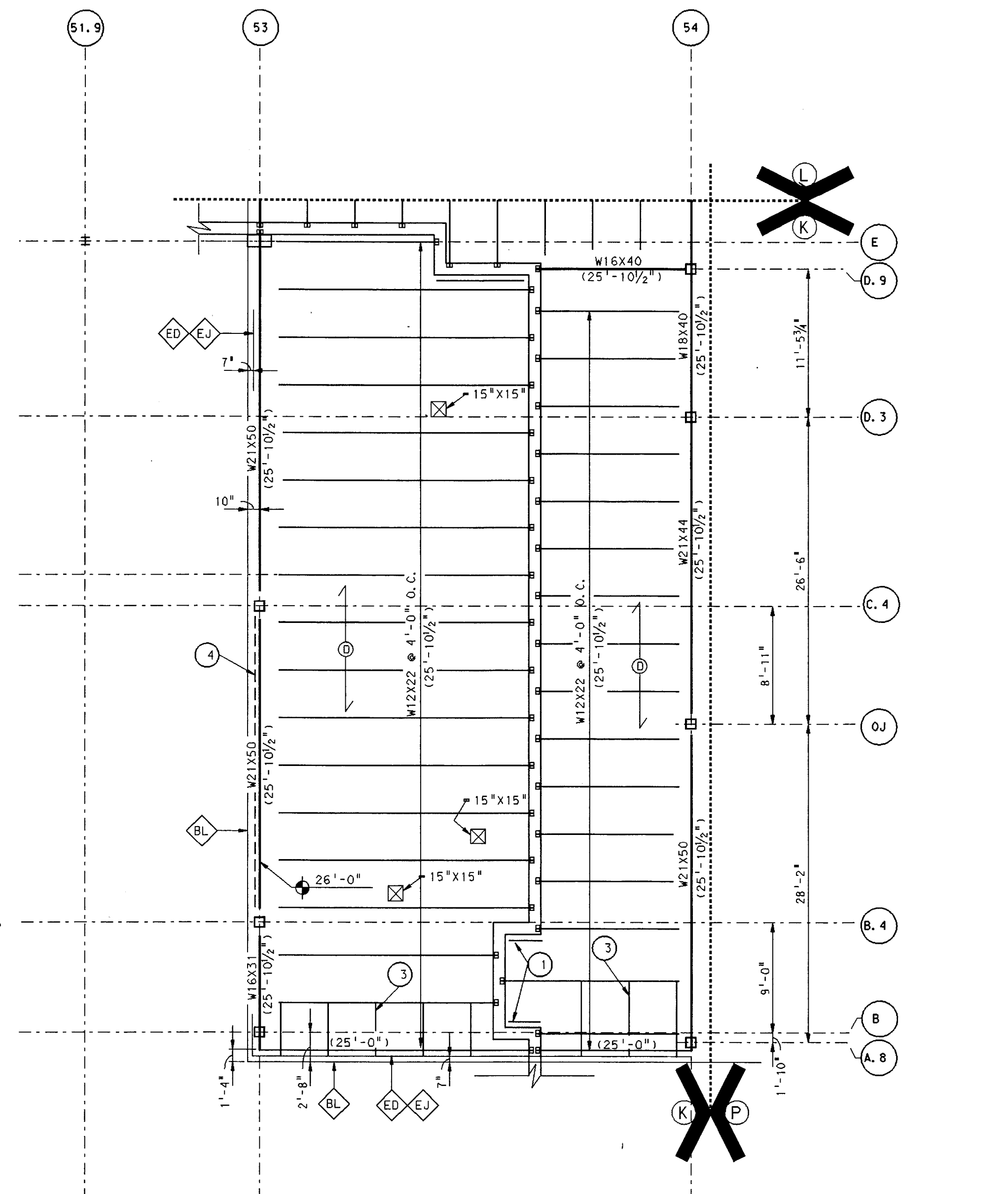
DETAIL 3
SCALE: 3/4" = 1'-0"



DETAIL 2
SCALE: 3/4" = 1'-0"



DETAIL 1
SCALE: 3/4" = 1'-0"

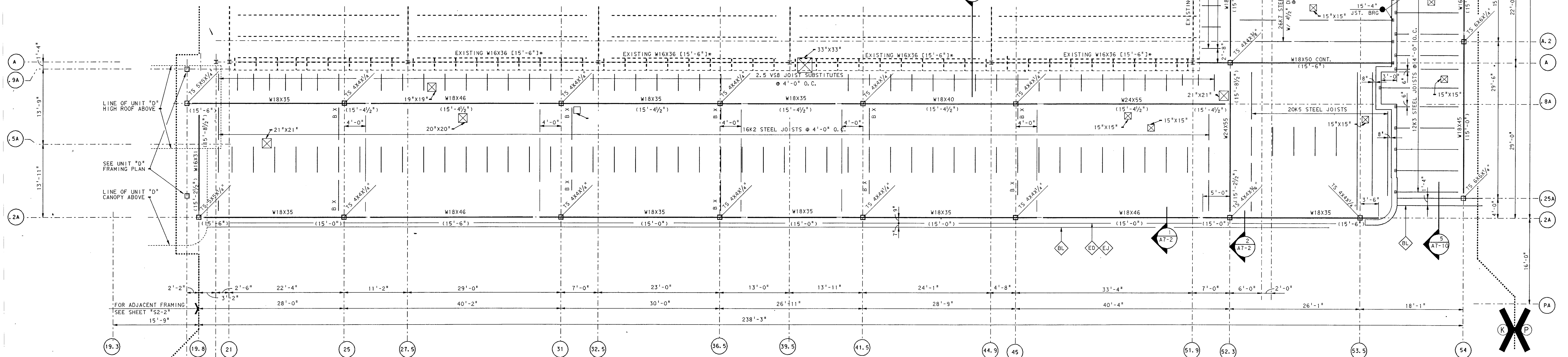


PENTHOUSE #5 ROOF FRAMING

SCALE: 1/8" = 1'-0"

PLAN NOTES

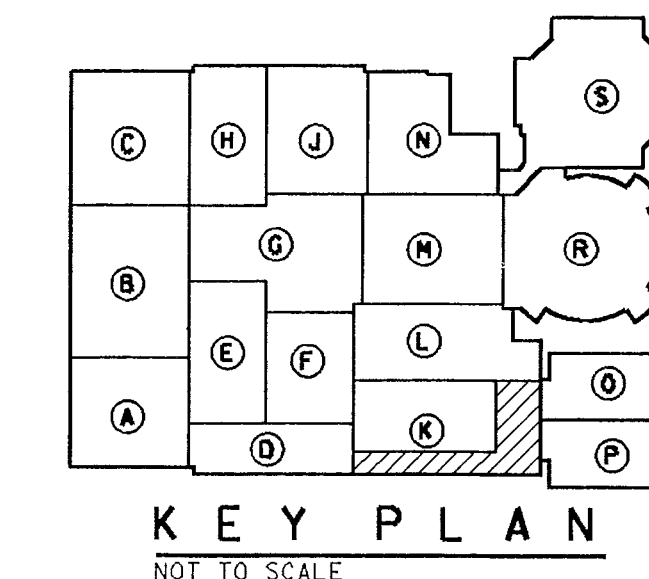
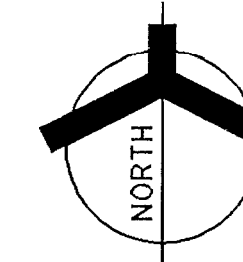
- SEE SHEET S0-3 FOR STRUCTURAL LEGEND, GENERAL NOTES, SCHEDULES, AND TYPICAL DETAILS.
- TYPICAL NOMINAL FIRST FLOOR ELEVATION IS 0'-0"±88.44' TOP OF BEAM, SLABS, METAL DECK AND JOIST BEARING ARE REFERENCED ABOVE ELEVATION 0'-0".
- INDICATES 2.5V5-1 OUTRIGGERS @ 4'-0" O.C.
- INDICATES 3/4" Ø ROD "X" BRACING IN PLANE OF COLUMNS.
- PROVIDE ADDITIONAL STRUCTURAL SUPPORT FOR 17 ADDITIONAL MECHANICAL ROOF TOP OPENINGS IN UNIT "K". SEE MECHANICAL SHEETS FOR LOCATIONS AND GENERAL FRAMING NOTES SHEET S0-3.



UNIT "K" NEW ROOF FRAMING PLAN

AND PENTHOUSE #5 PARTIAL FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"



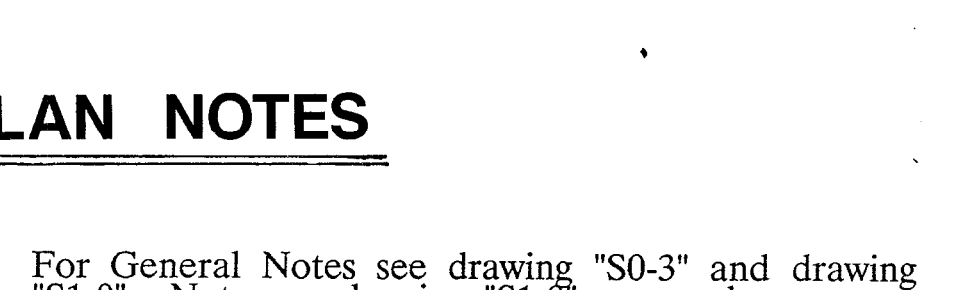
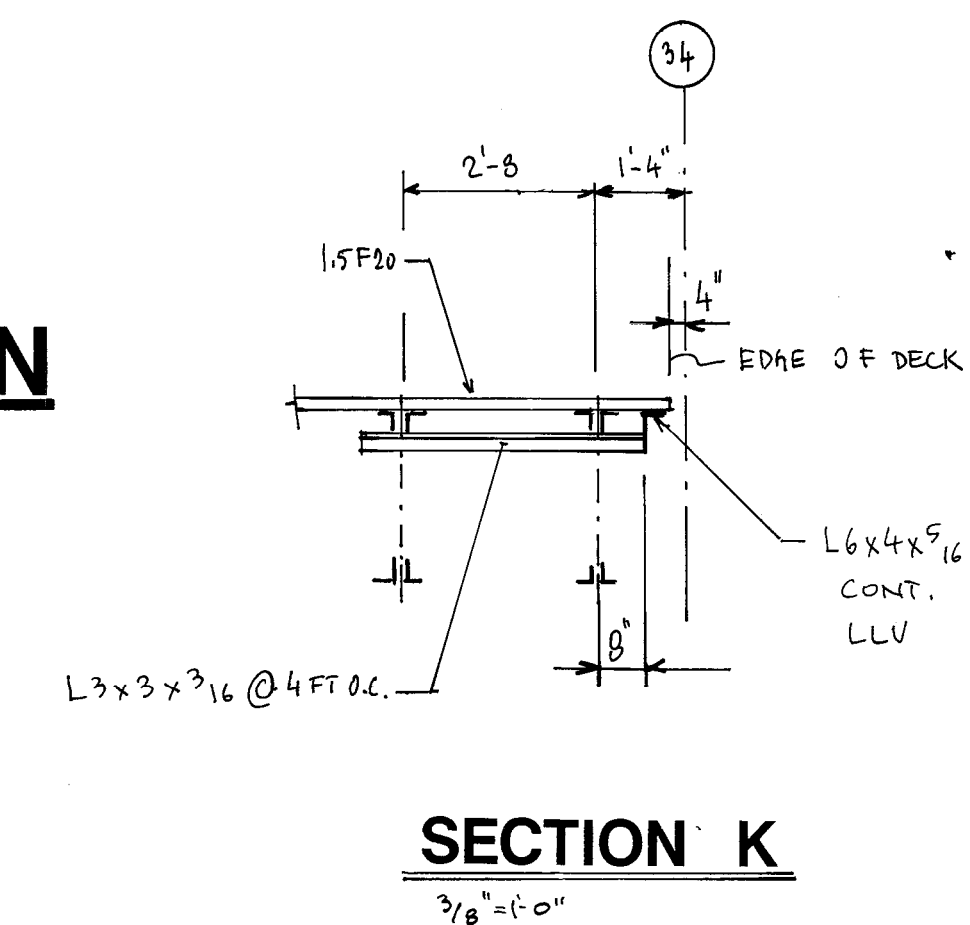
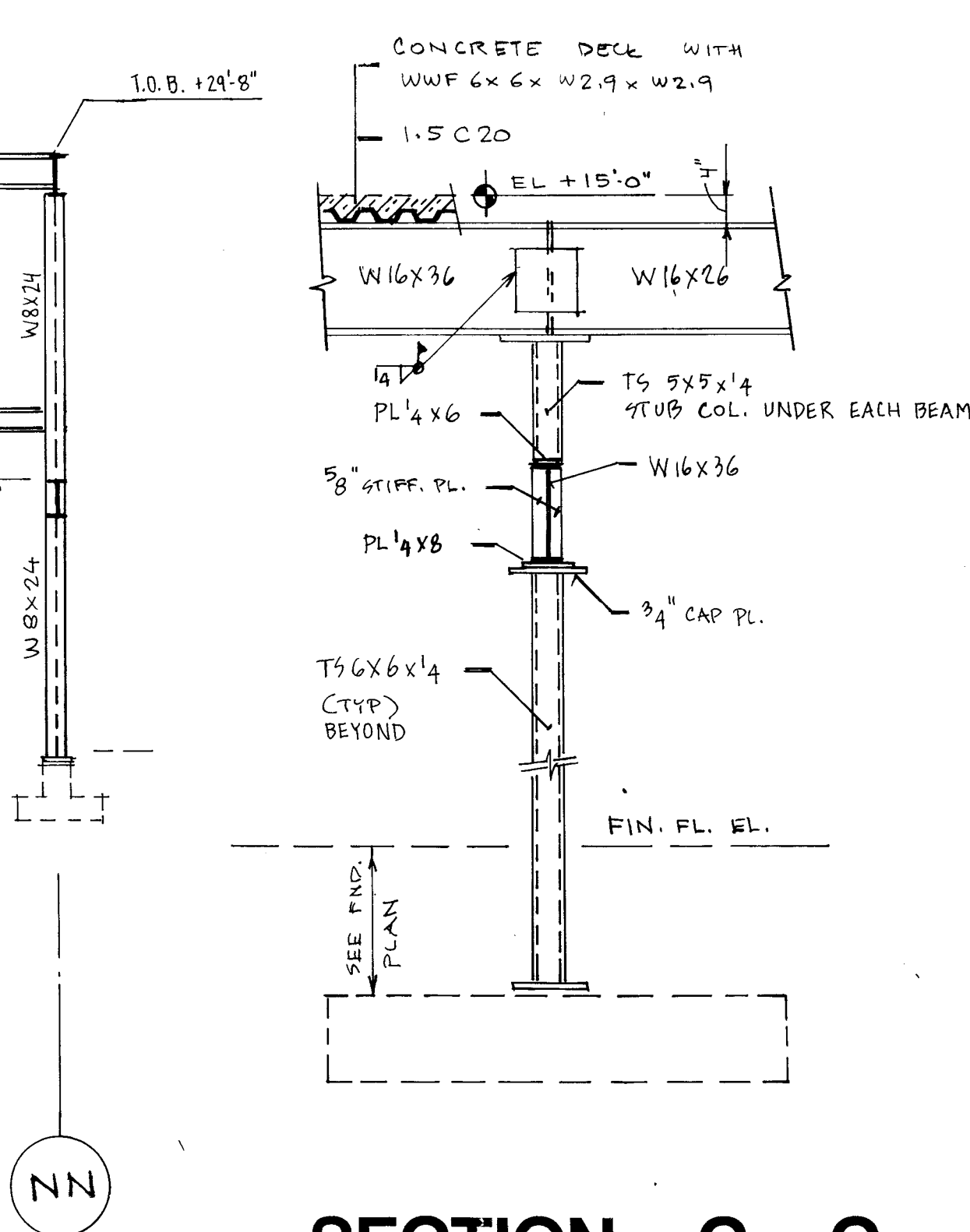
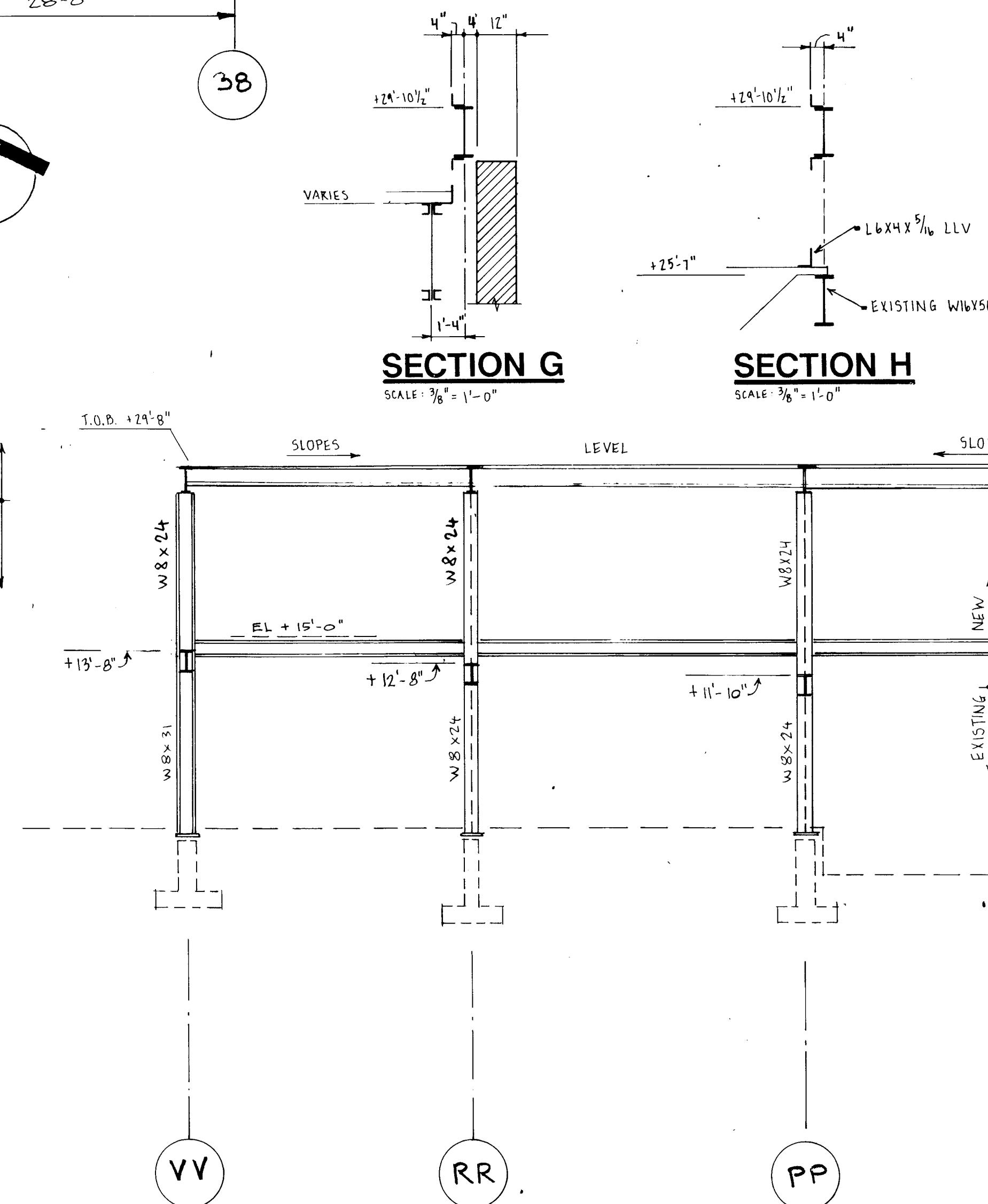
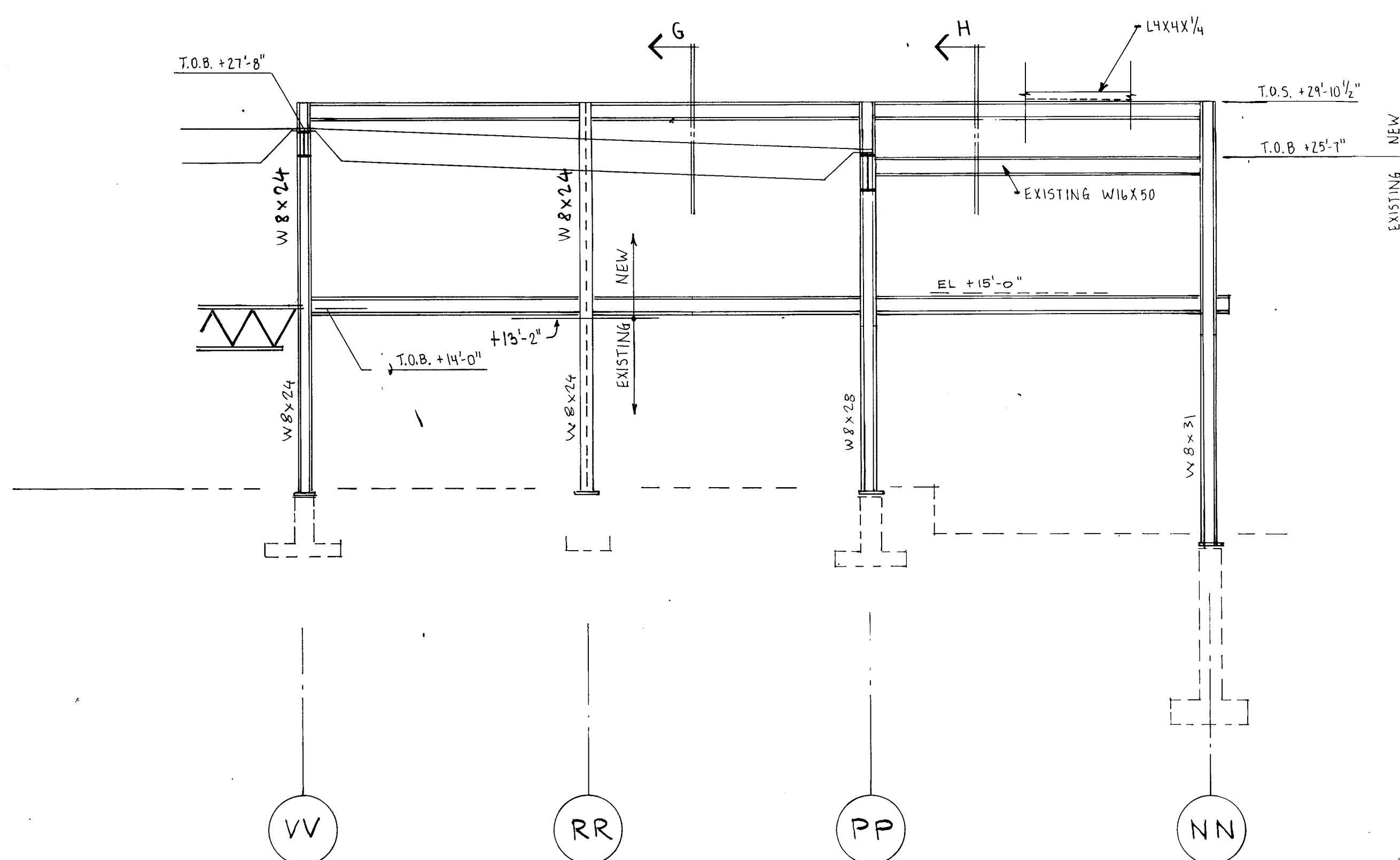
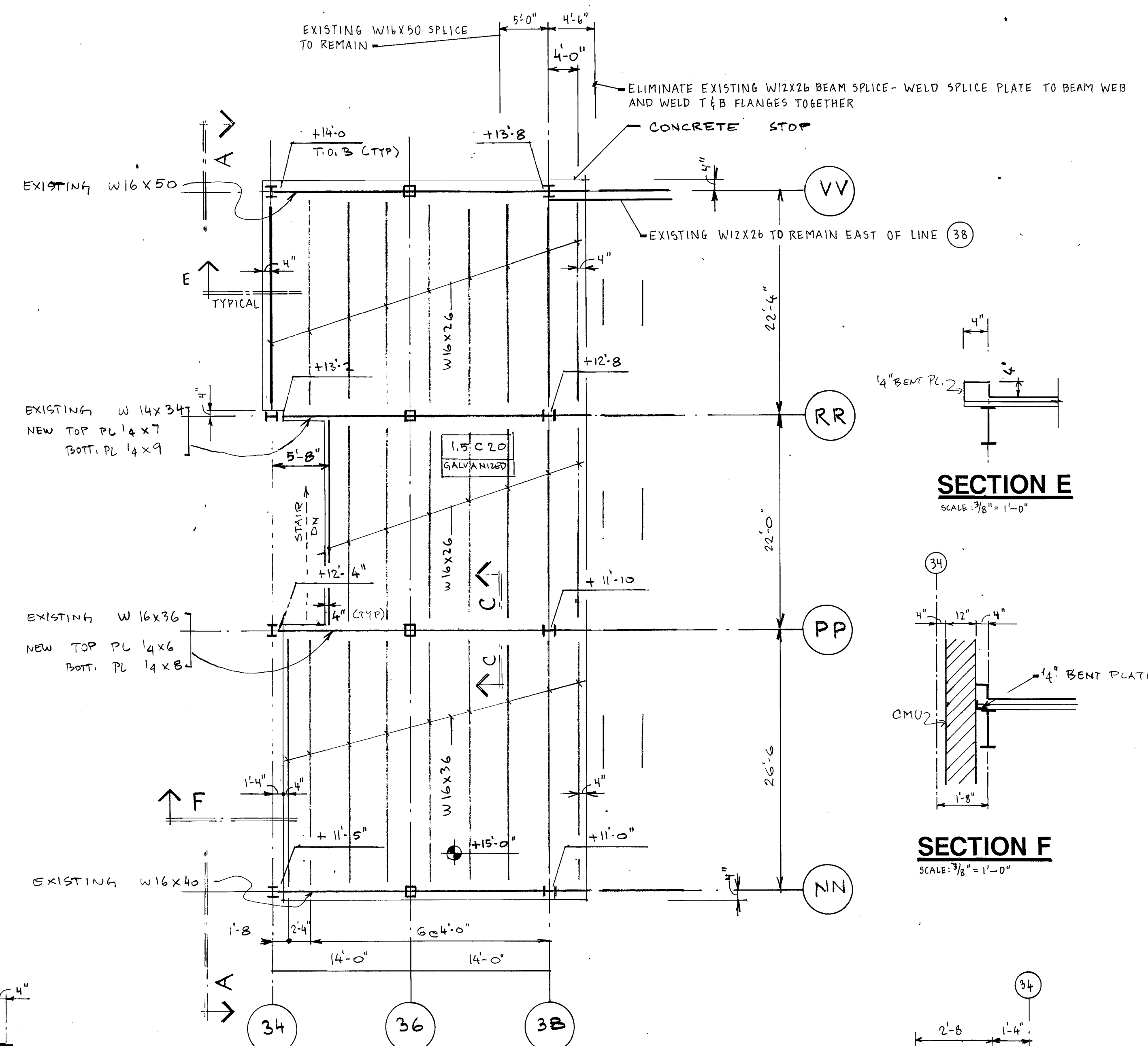
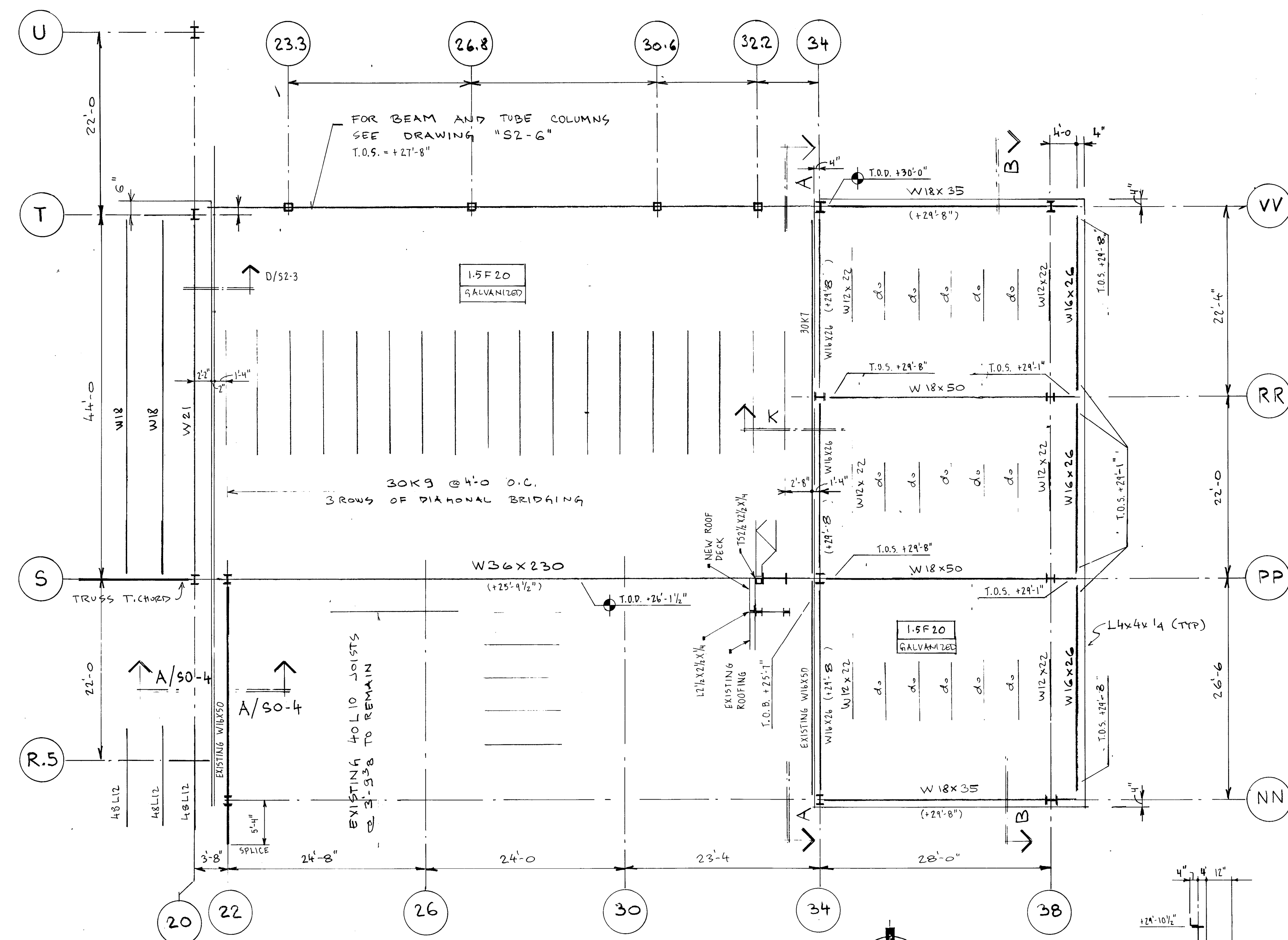
KEY PLAN
NOT TO SCALE

ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

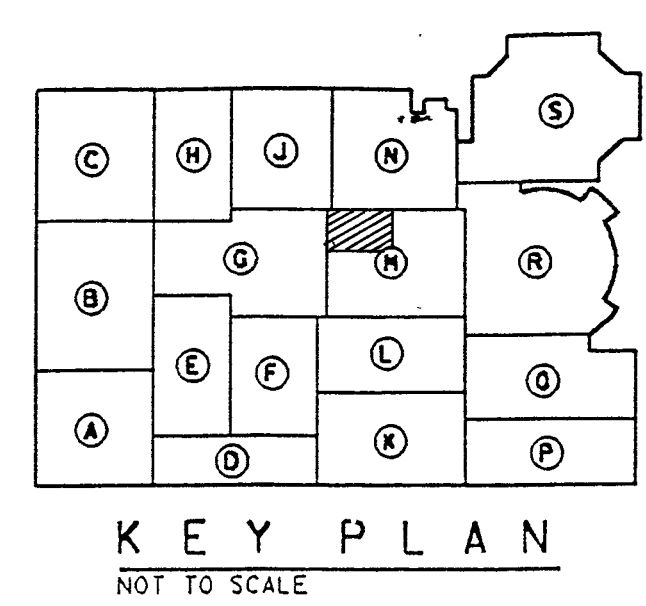
EVERETT L. BROWN Company
Architects & Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 237-7000

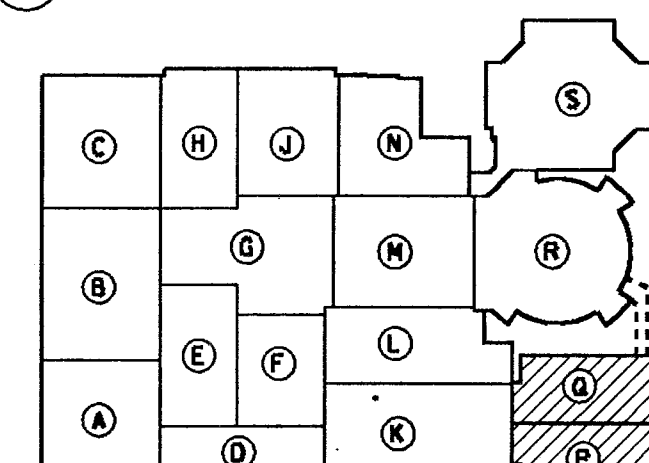


PROJECT
871-110
DATE
DEC. 18, 1989
REVISED



- ## PLAN NOTES
1. For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
 2. Mechanical Penthouse to receive perimeter curb.
 3. See drawing "S1-9" for curb reinforcing.



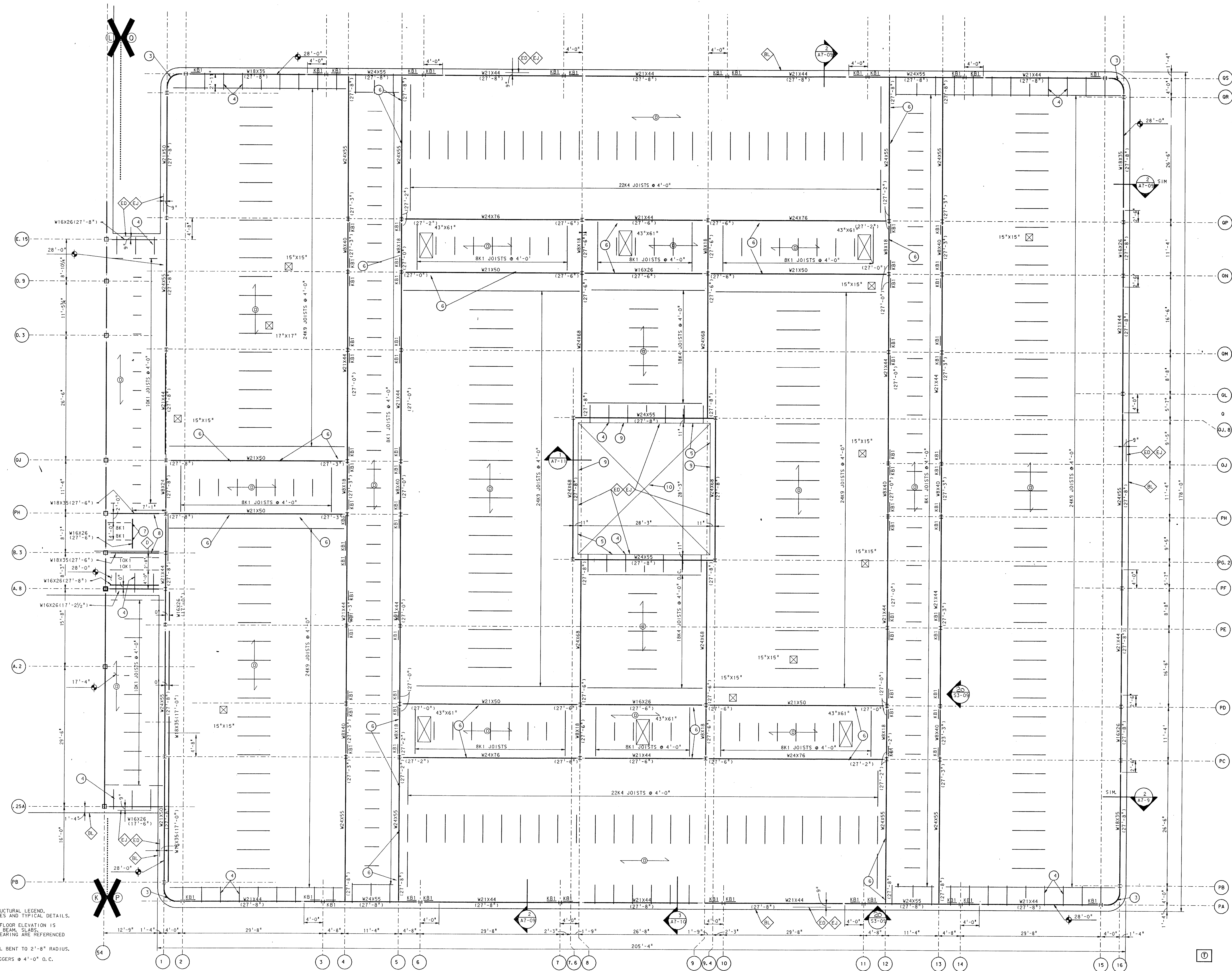


PROJECT 871-110
DATE DEC. 18, 1989
REVISED

PLAN NOTES

- 1 SEE SHEET SO-3 FOR STRUCTURAL LEGEND, GENERAL NOTES, SCHEDULES AND TYPICAL DETAILS.
- 2 TYPICAL NOMINAL FIRST FLOOR ELEVATION IS 0'-2'-8 1/2" A.B. TOP OF BEAM. SLABS ON METAL DECK AND JOIST SUPPORT ARE REFERENCED ABOVE ELEVATION 0'-0'-0".
- 3 INDICATES TYPE B SLAB CONSTRUCTION. 3/4" TOTAL THICKNESS. SEE SHEET SO-1.
- 4 SPECIAL MC10X22 CHANNEL BENT TO 2'-8" RADIUS SHOWN. RADIIUS IS 4'-0" FROM BUILDING LINE (TYPICAL).
- 5 2.5 VS-1 JOIST SUBSTITUTE CONTINUOUS ALONG TOP OF BEAM FOR DECK SUPPORT AT BEAMS.
- 6 SUPPLY JOIST EXTENDED ENDS @ CORNER AREAS.
- 7 SEE SHEET S2-11 FOR CANOPY FRAMING.
- 8 TYPICAL 2'0"x6" OPENING FOR MECHANICAL CHASES. SUPPLY 1/2" DIA. DRILL BIT FOR OPENINGS. VERIFY DIMENSIONS AND LOCATION WITH MECHANICAL DEPARTMENT.
- 9 SUPPLY SPECIAL 4" DEEP JOIST BEARINGS @ LOWERED BEAMS TO MAINTAIN FLOOR ELEVATION OF 0'-0'-0".
- 10 SUPPLY 2.5 VS-1 JOIST SUBSTITUTE OUTRIGGERS @ 4'-0" O.C. MAXIMUM. TYPICAL @ SOUTH AND NORTH ELEVATIONS.
- 11 DESIGN DETAIL ENDS FOR A CONCENTRATED LOAD OF 1200 LBS. EACH END AND UNIFORM LOAD OF 300 PLF.

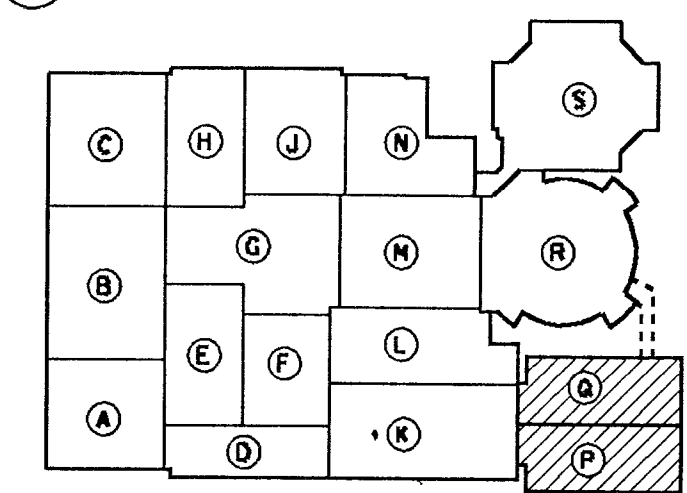
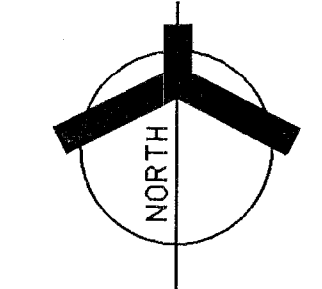
UNIT "P" & "Q" SECOND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"



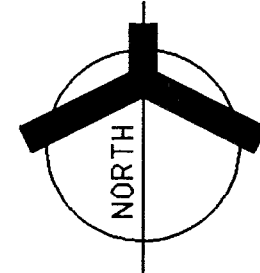
PLAN NOTES

- SEE SHEET S0-3 FOR STRUCTURAL LEGEND, GENERAL NOTES, SCHEDULES AND TYPICAL DETAILS.
- TYPICAL NOMINAL FIRST FLOOR ELEVATION IS 0'-0"±956.44'. TOP OF BEAM, SLABS, METAL DECK AND JOIST BEARING ARE REFERENCED ABOVE ELEVATION 0'-0".
- SPECIAL MC10X22 CHANNEL BENT TO 2'-8" RADIUS.
- INDICATES 2.5VS4 OUTRIGGERS @ 4'-0" O.C.
- INDICATES CONTINUOUS LEX6X1/2 AT TOP OF WALL CORNERS, COORDINATE AT SKYLIGHT OPENING. ATTACH ANGLES AT ALL FOUR CORNERS. COORDINATE SKYLIGHT ATTACHMENTS WITH SUPPLIER.
- 2.5VS1 JOIST SUBSTITUTE CONTINUOUS ALONG TOP OF BEAM FOR DECK SUPPORT AT BEAMS.
- SUPPLY SPECIAL BEARING SEAT FOR 4 1/2" BEARING.
- SUPPLY 4 1/2" STRUCTURAL MEMBER FOR DECK SUPPORT.
- DESIGN EXTENDED ENDS AND VS MEMBERS FOR A CONCENTRATED LOAD OF 1000 POUNDS AT THEIR ENDS.
- SKYLIGHT FRAMING TO BE DESIGNED AND SUPPLIED BY SKYLIGHT MANUFACTURER. COORDINATE WITH STRUCTURE AND CONTRACTORS.

UNIT "P" & "O" ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

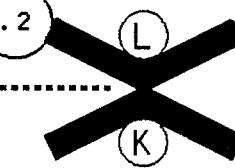
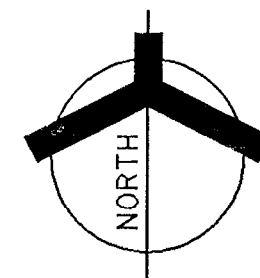


SCALE: $1/8'' = 1'-0''$



_____ NEW STRUCTURE
 - - - - - EXISTING STRUCTURE TO REMAIN
 EXISTING STRUCTURE TO BE REMOVED

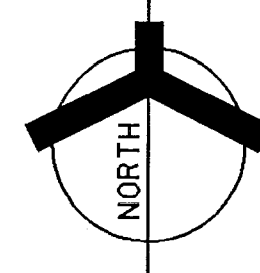
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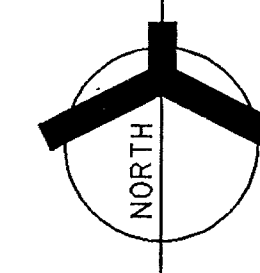
SCALE: 1/8" = 1'-0"

① SEE SHEET SO-3 FOR STRUCTURAL LEGEND,
GENERAL NOTES, SCHEDULES AND TYPICAL DETAILS.

- 1 SEE SHEET SO-3 FOR STRUCTURAL LEGEND, GENERAL NOTES, SCHEDULES AND TYPICAL DETAILS.
- 2 TYPICAL NOMINAL FLOOR ELEVATION IS 0'-0" @ 852, 60'-0" TOP OF BEAM SLABS. METAL DECK AND JOIST BEARING ARE REFERENCED ABOVE ELEVATION 0'-0"
- 3 PROVIDE L3X3/4" X 7/8" @ ANCHOR BOLTS @ 2'-0" O.C. TO SUPPORT ROOF DECK.
- 4 SPECIAL MC10X22 BENT
- 5 INDICATES MC12X30, 9 BEAMS W/1/4" @ X 4" NELSON STUDS @ 2'-0" O.C. BOTTOM OF CHANNEL=12'-8" COORDINATE INSTALLATION W/ MASONRY CONTRACTOR. COPE AT COLUMN LAP COLUMN MINIMUM



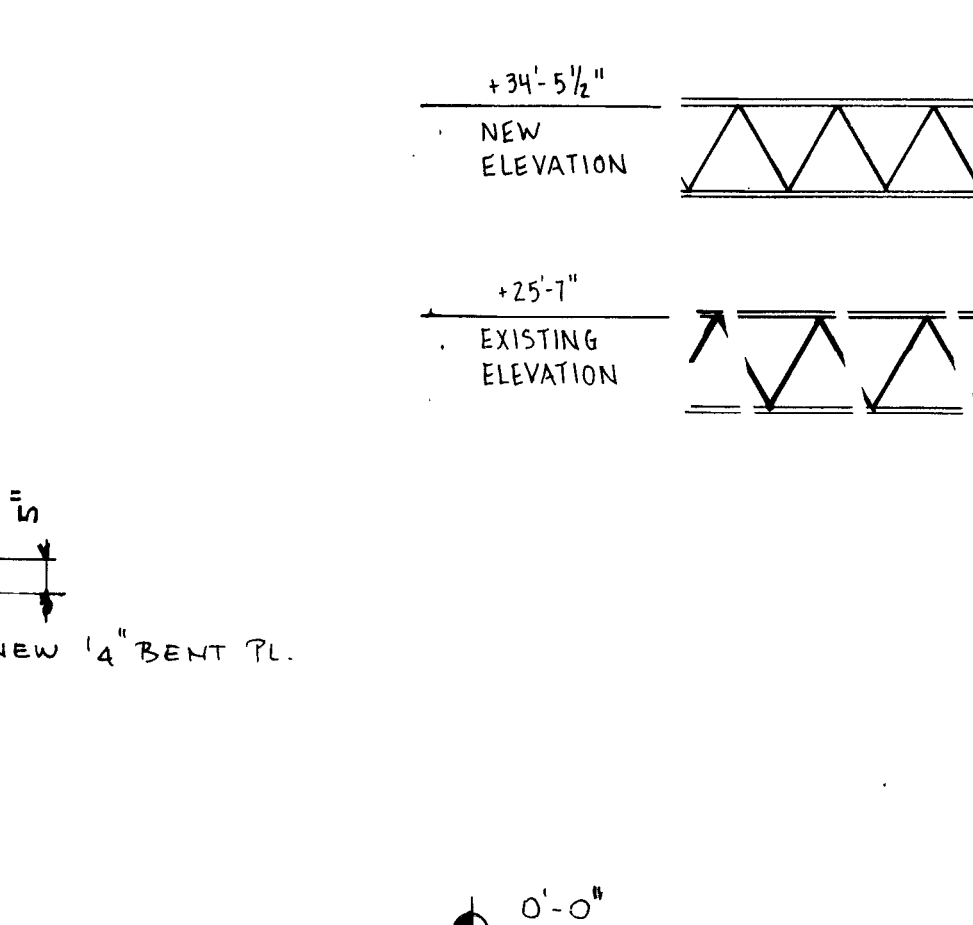
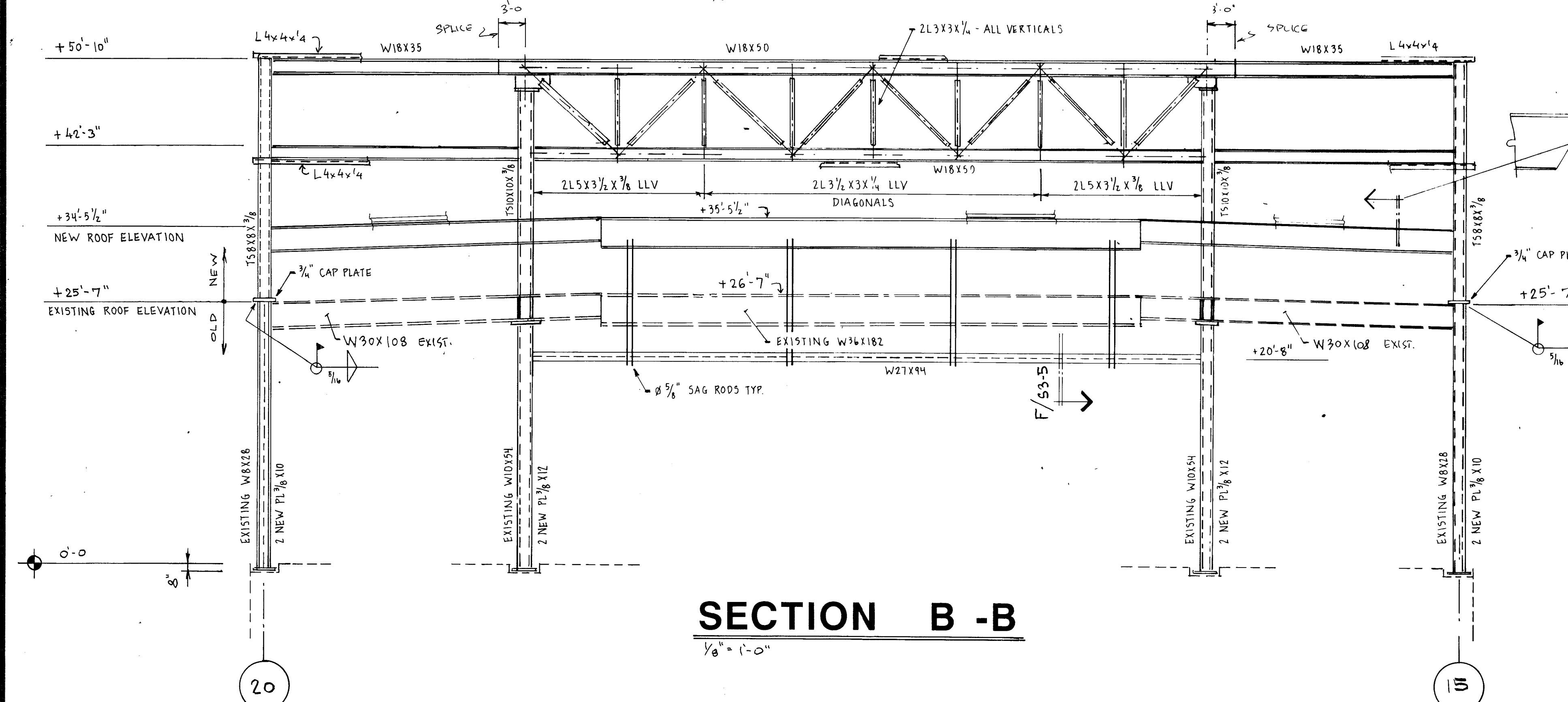
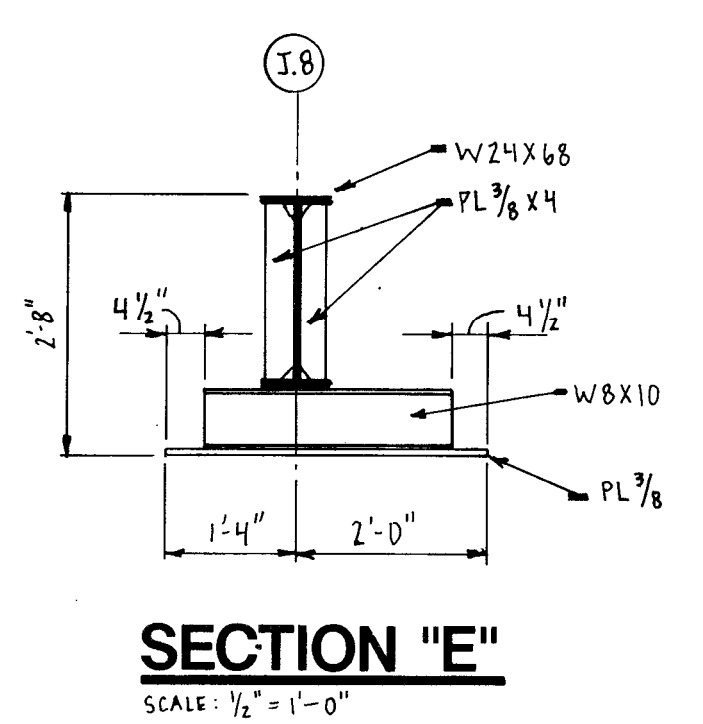
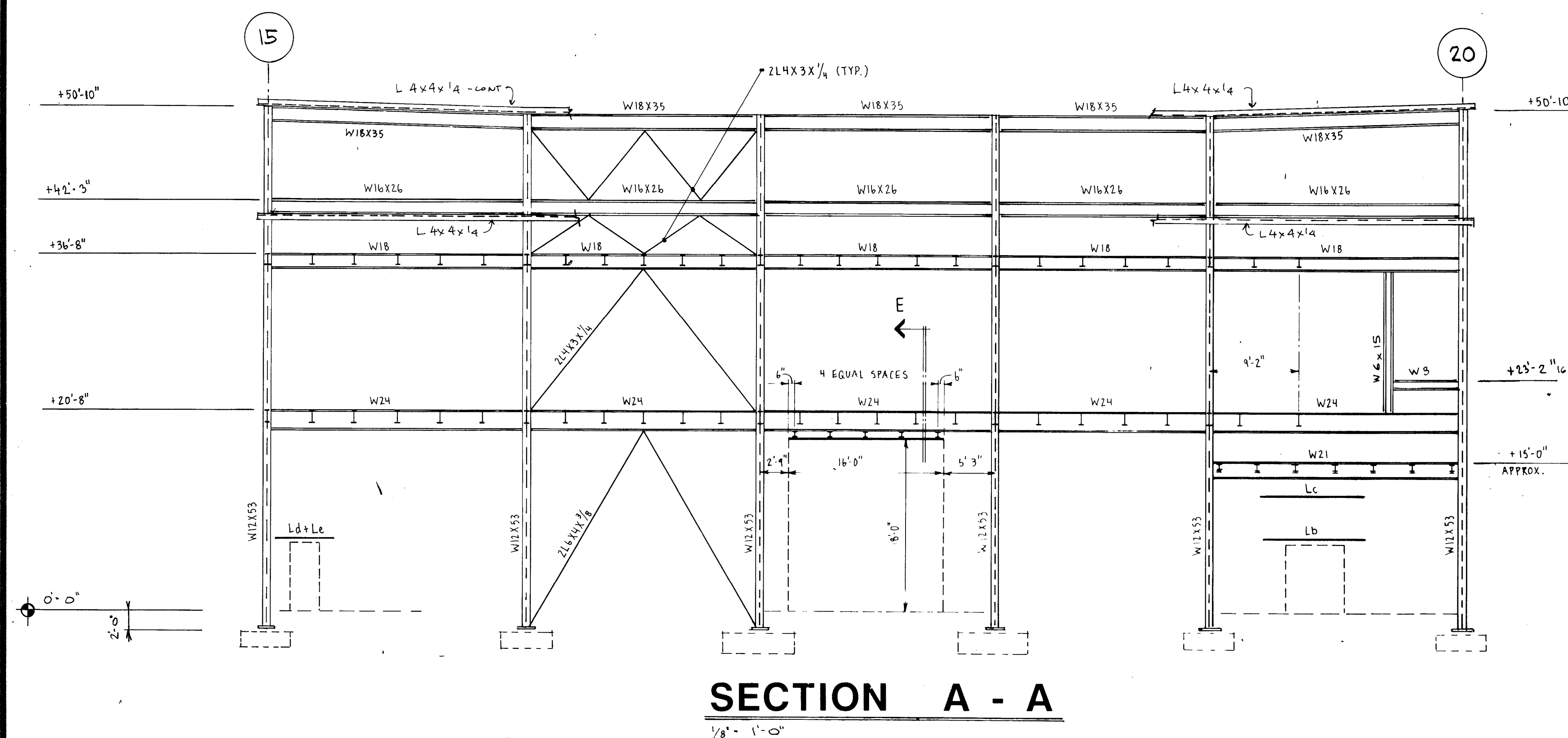
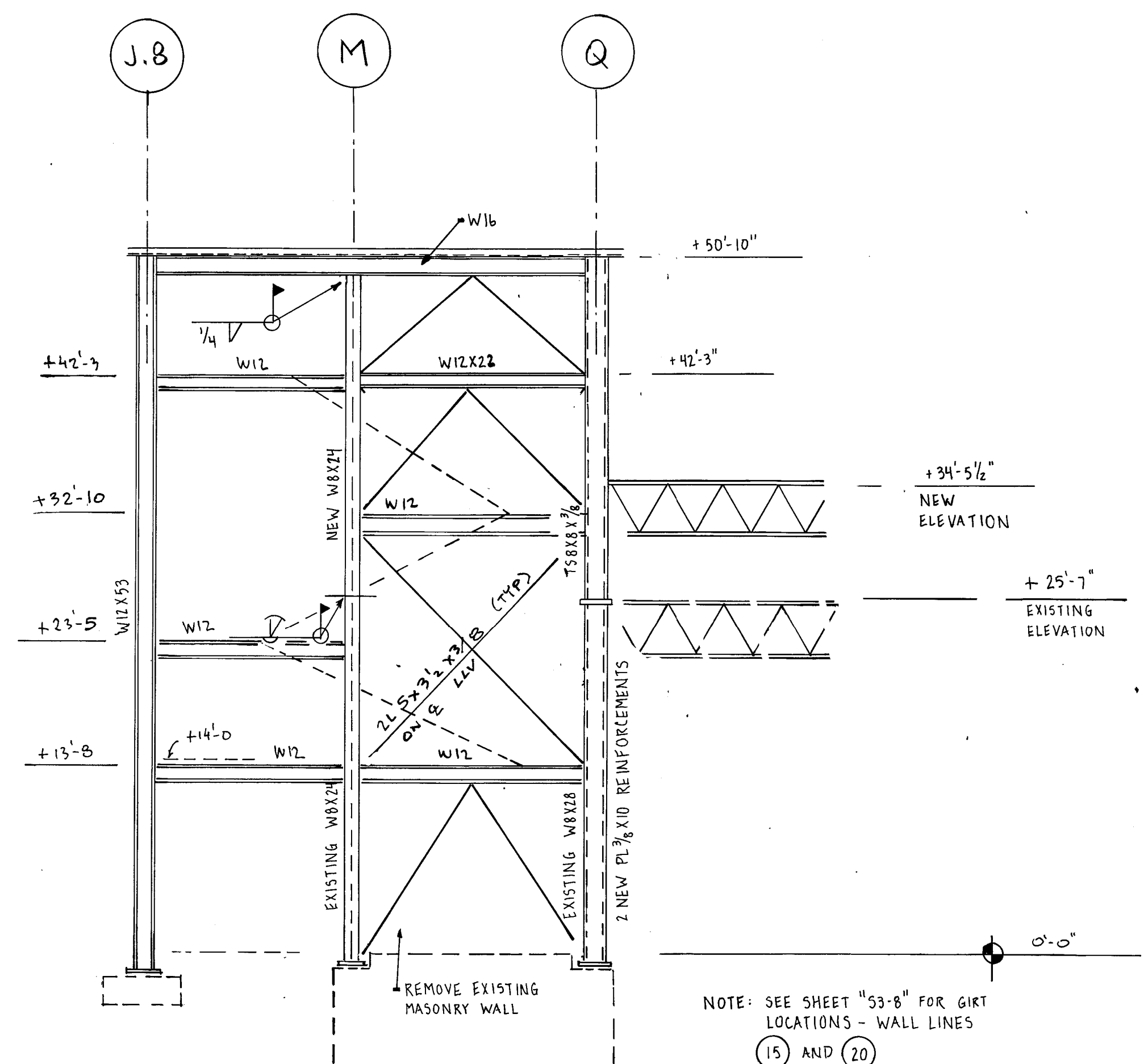
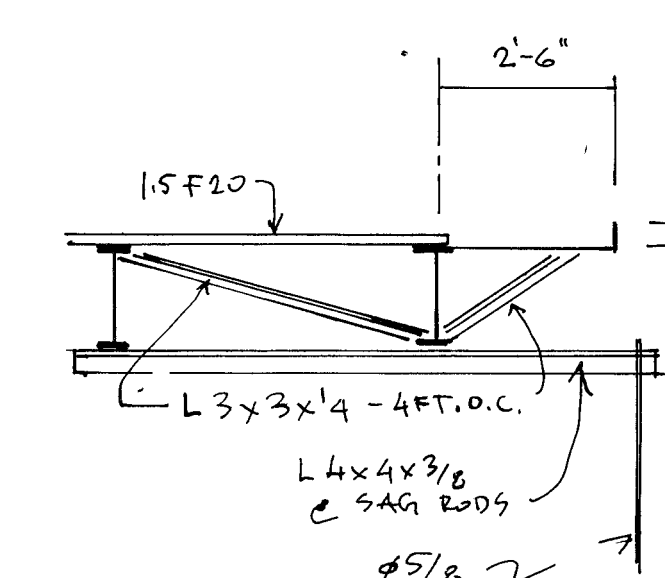
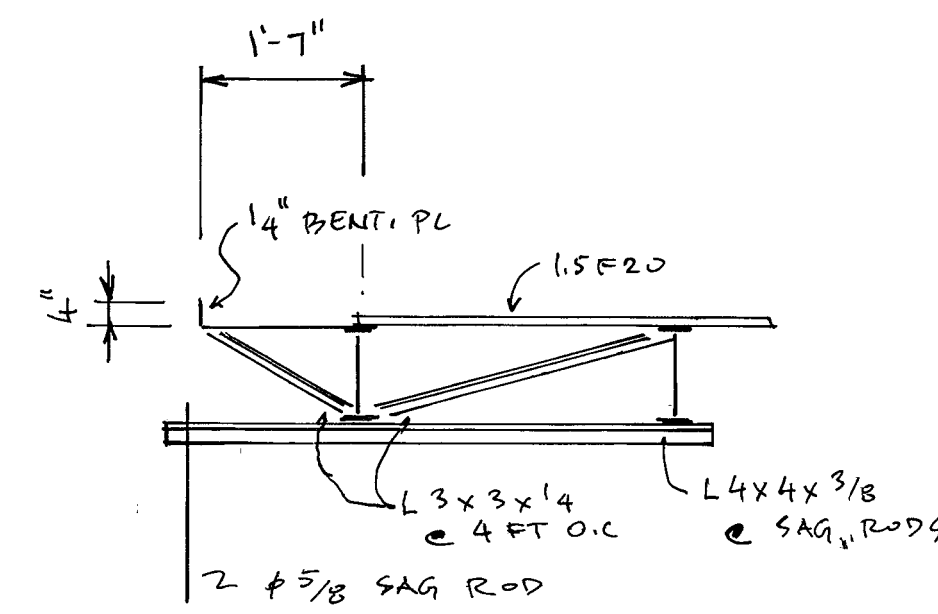
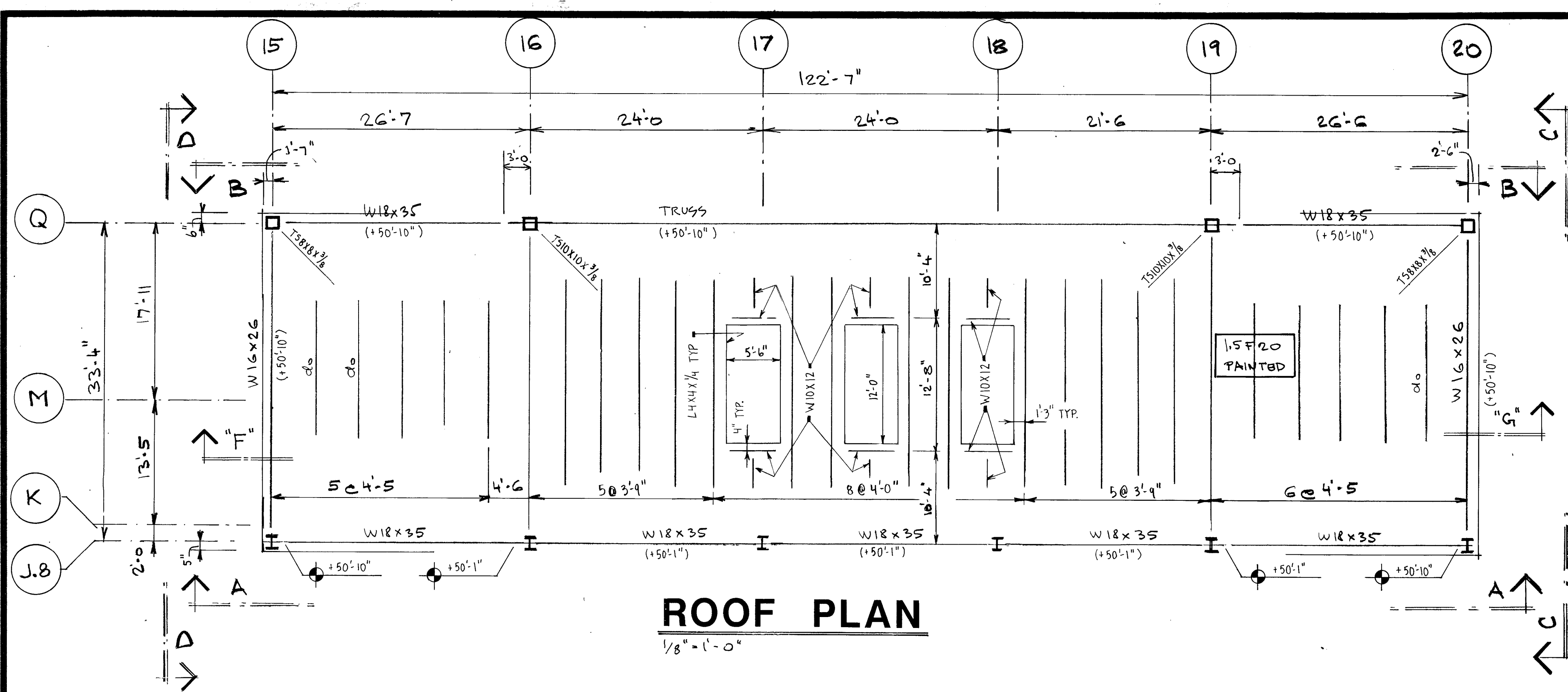
SCALE: 1/8" = 1'-0"



SCALE: $1/8'' = 1' = 0$

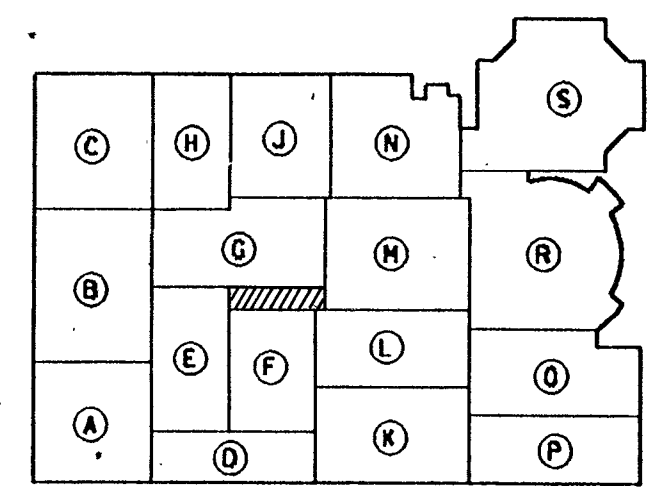


0. S2-9
= 12



PLAN NOTES

1. For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
2. Provide new roof deck in areas of remodeling, where the existing Tectum decking might be damaged during construction.
3. Verify elevations to match existing slope.
4. For lintel sizes see schedule on drawing "S3-5".



PROSCENIUM

ROOF PLAN AND SECTIONS

ADDITION TO AND RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

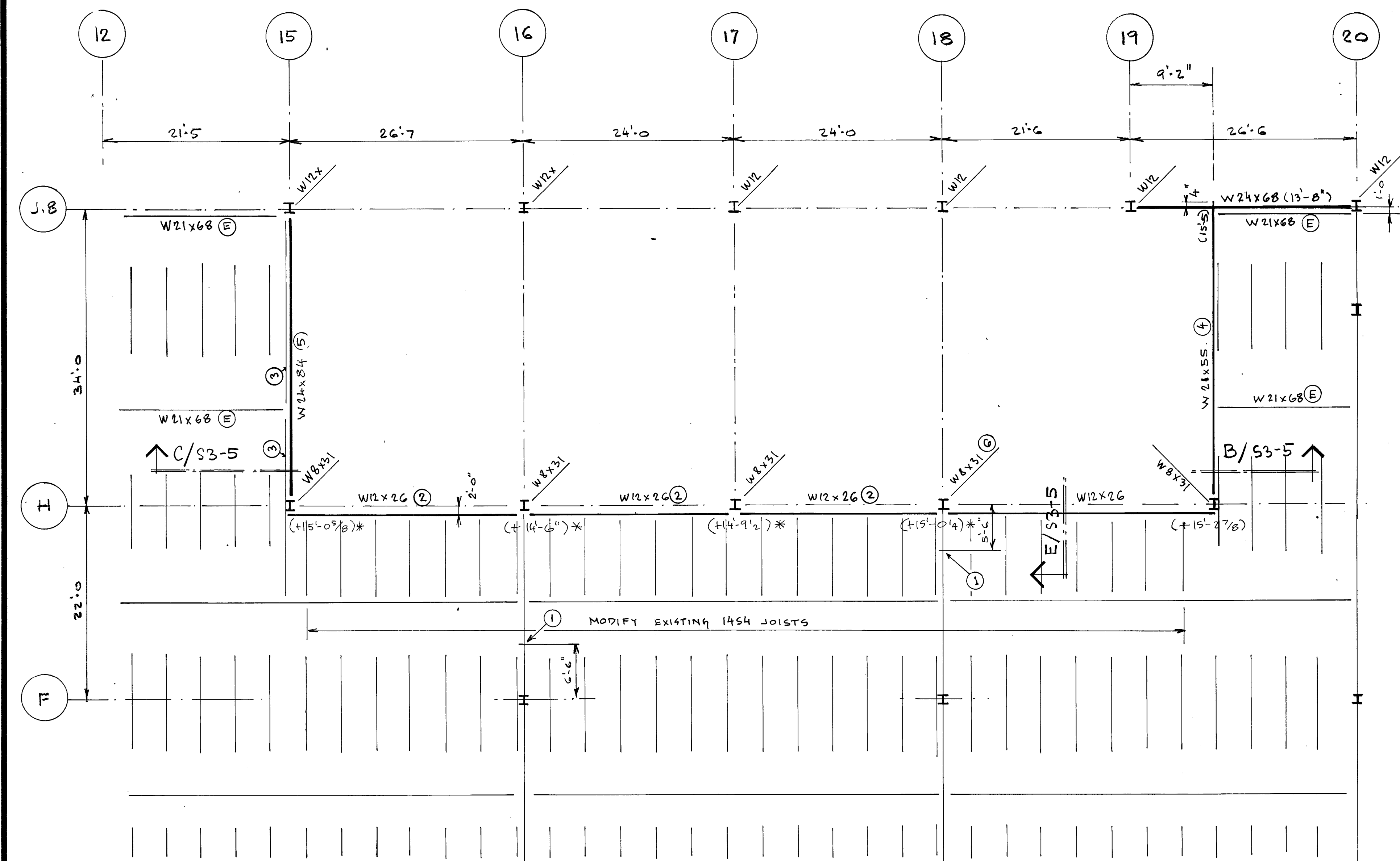
EVERETT L. BROWN Company
Architects & Engineers
100 N. MERIDIAN STREET, SUITE 200
INDIANAPOLIS, INDIANA 46204
(317) 237-7000



PROJECT
871-110
DATE
DEC. 18, 1989
REVISED

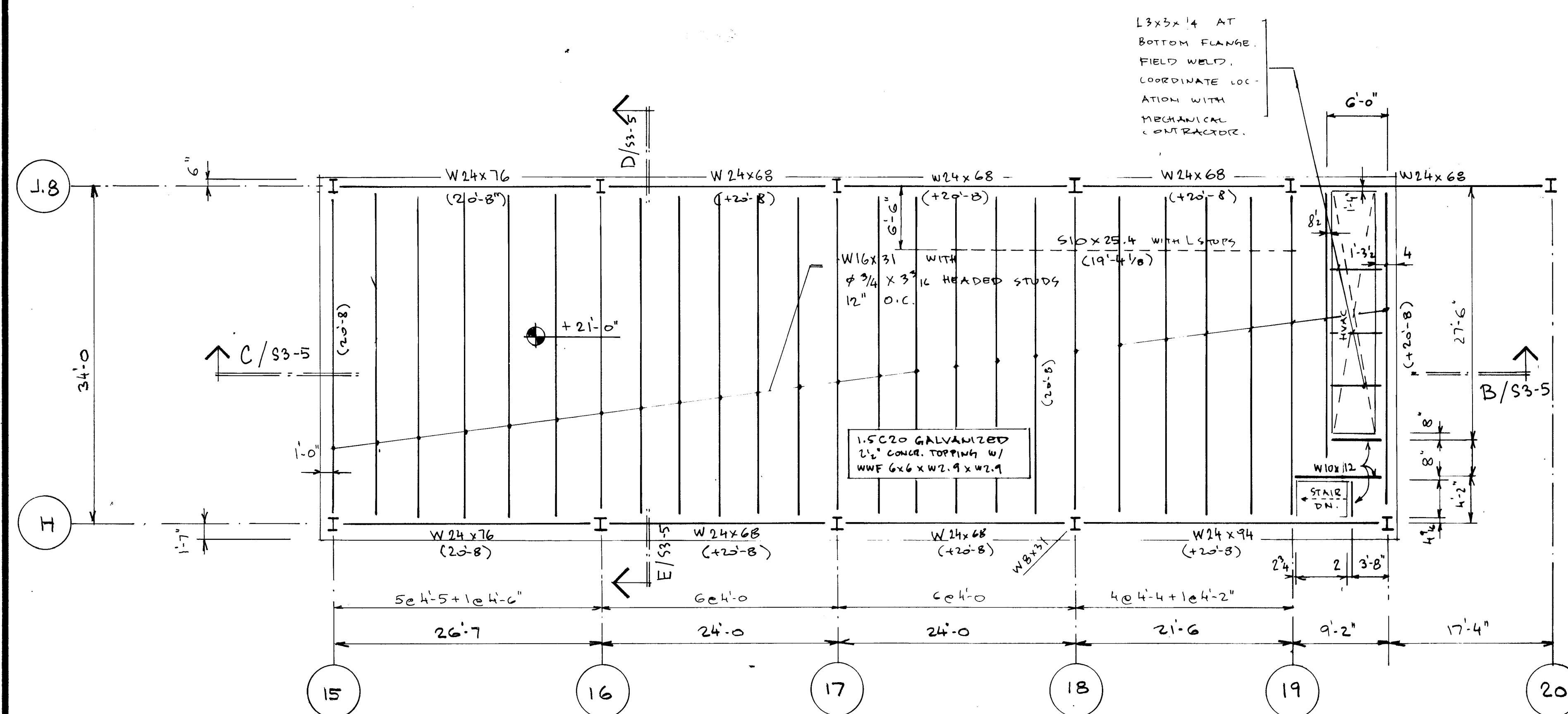
NO. S2-10
OF 12

SEC. PLANS & DETAILS



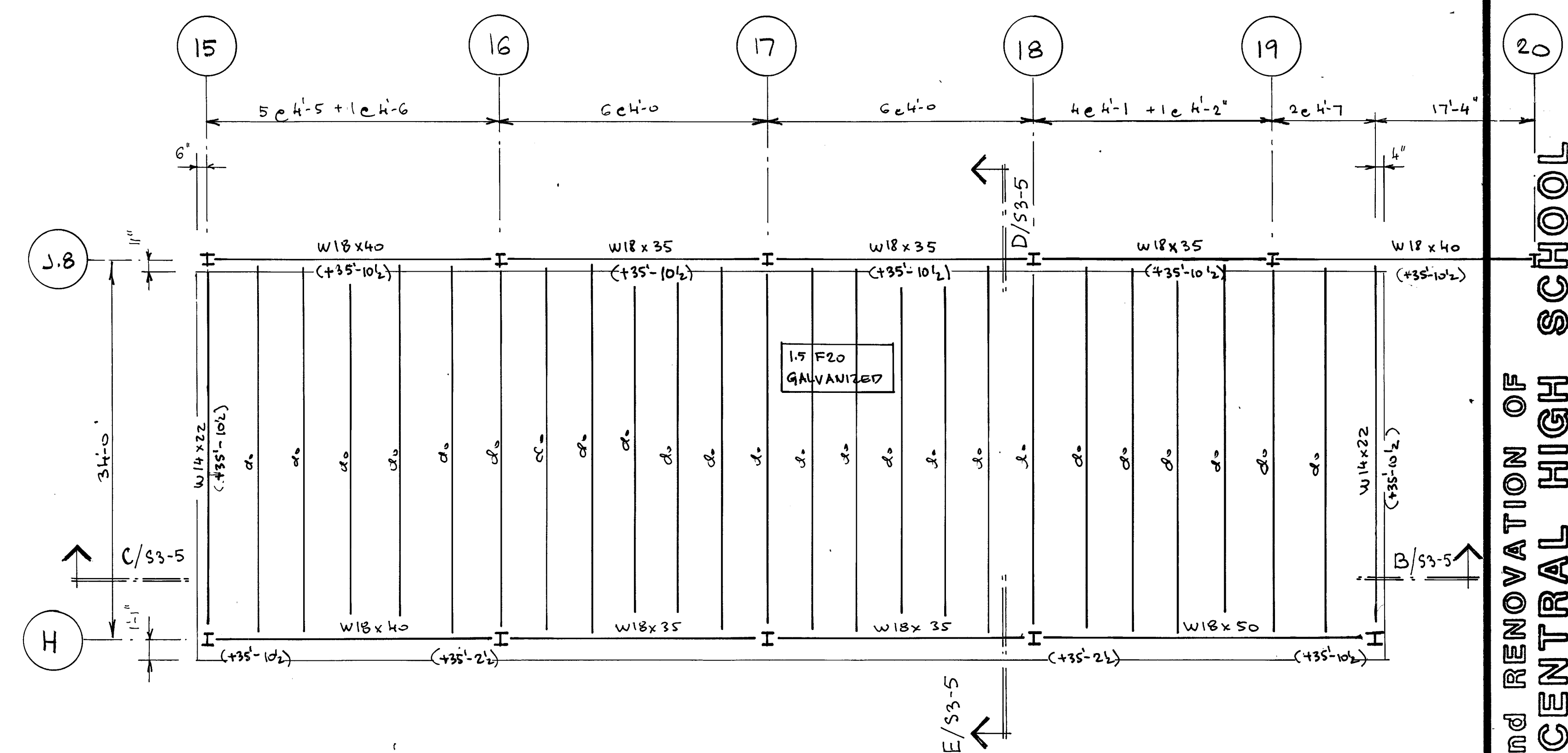
EXISTING ROOF REMODELING

1/8" = 1'-0"



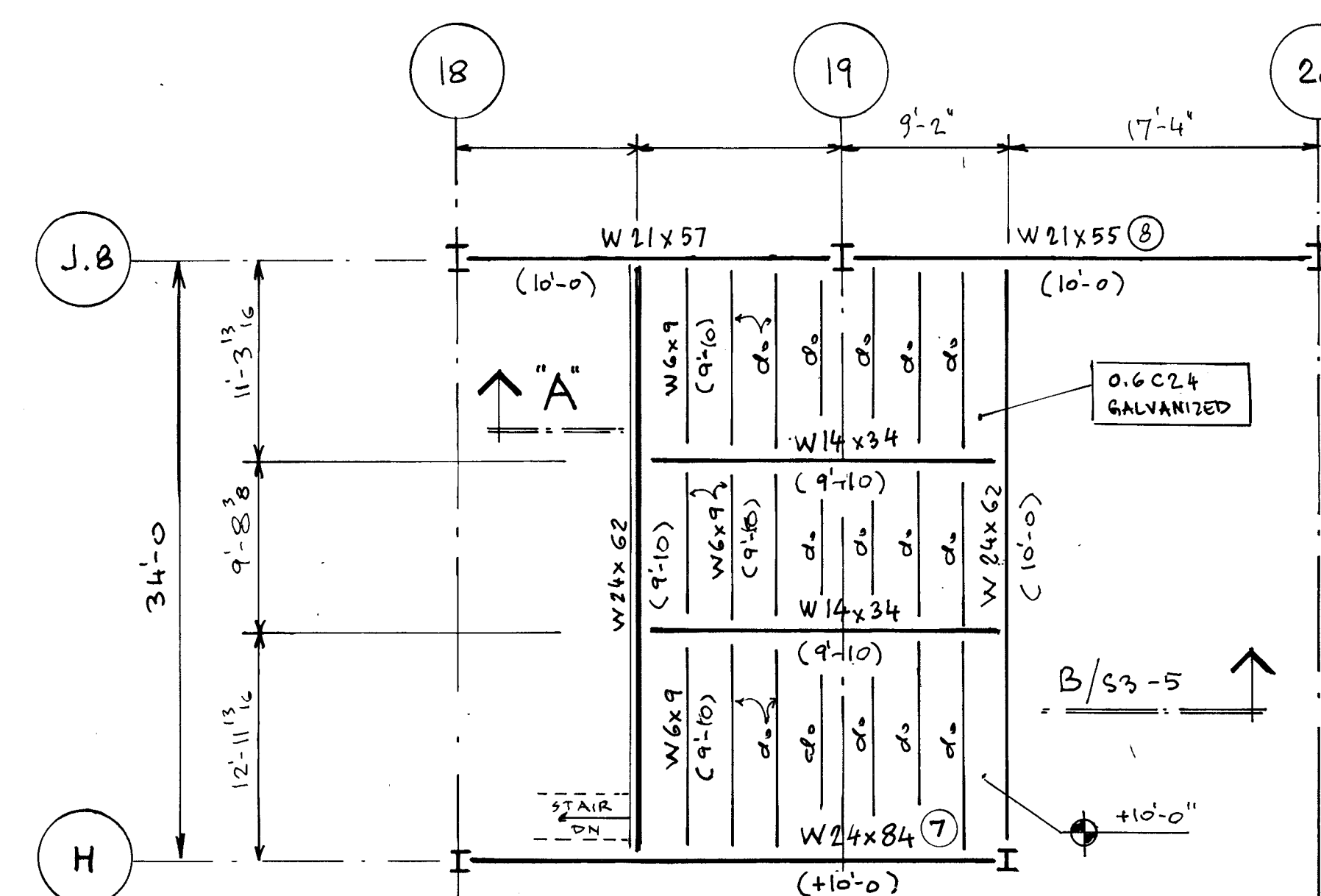
MECHANICAL PENTHOUSE #6 FLOOR FRAMING PLAN

1/8" = 1'-0"



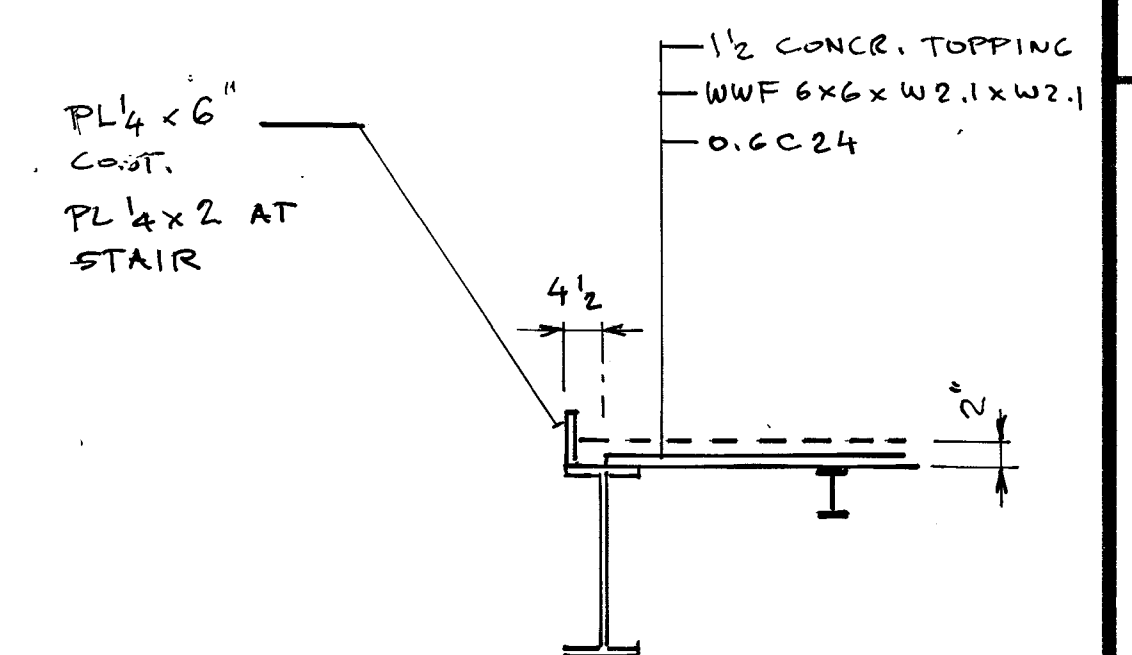
PENTHOUSE #6 ROOF FRAMING PLAN

1/8" = 1'-0"



MEZZANINE FRAMING PLAN

1/8" = 1'-0"



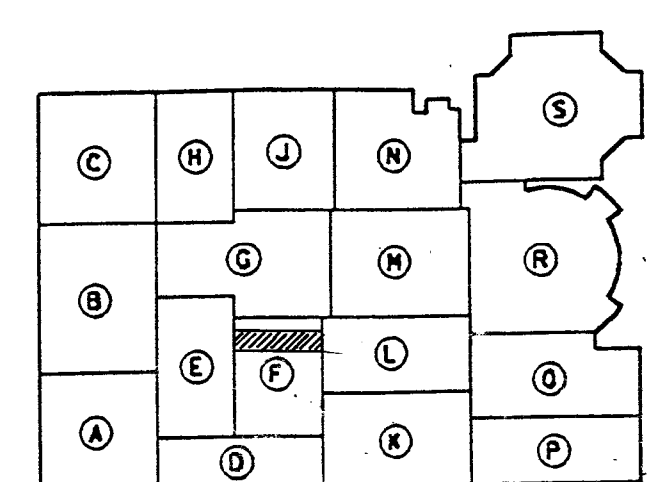
SECTION "A"

1/2" = 1'-0"

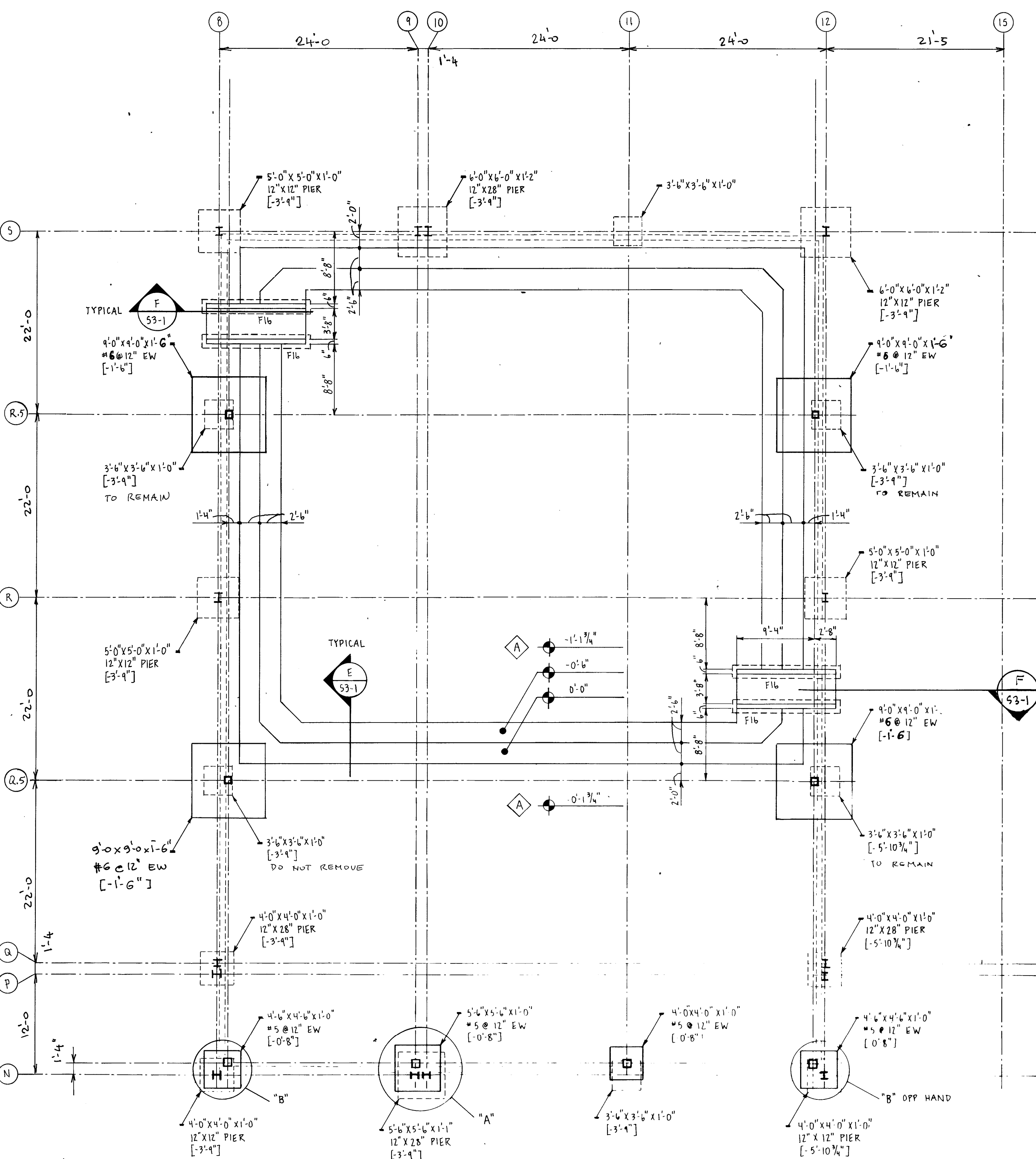
PLAN NOTES

1. For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
2. Mechanical Penthouse to receive perimeter curb.
3. See drawing "S1-9" for curb reinforcing.
4. Provide new roof deck in areas of remodeling, where the existing Tectum decking might be damaged during construction.
5. Verify elevations to match existing slope.

- ① Eliminate existing splice - Develop full bending and shear capacity.
- ② Reuse beam from line "L".
- ③ Relocate existing joist.
- ④ Reuse W21X55 from line "H.5/16-18".
- ⑤ Reuse W24X84 from line "18".
- ⑥ Existing column stops at approx. elevation +15'-0". Extend column to elevation +36'-0".
- ⑦ Reuse W24X84 from line "16".
- ⑧ Reuse W21X55 from line "J.8/16-18".
- ⑨ Existing beam to be shortened. Weld web to the cross beam.

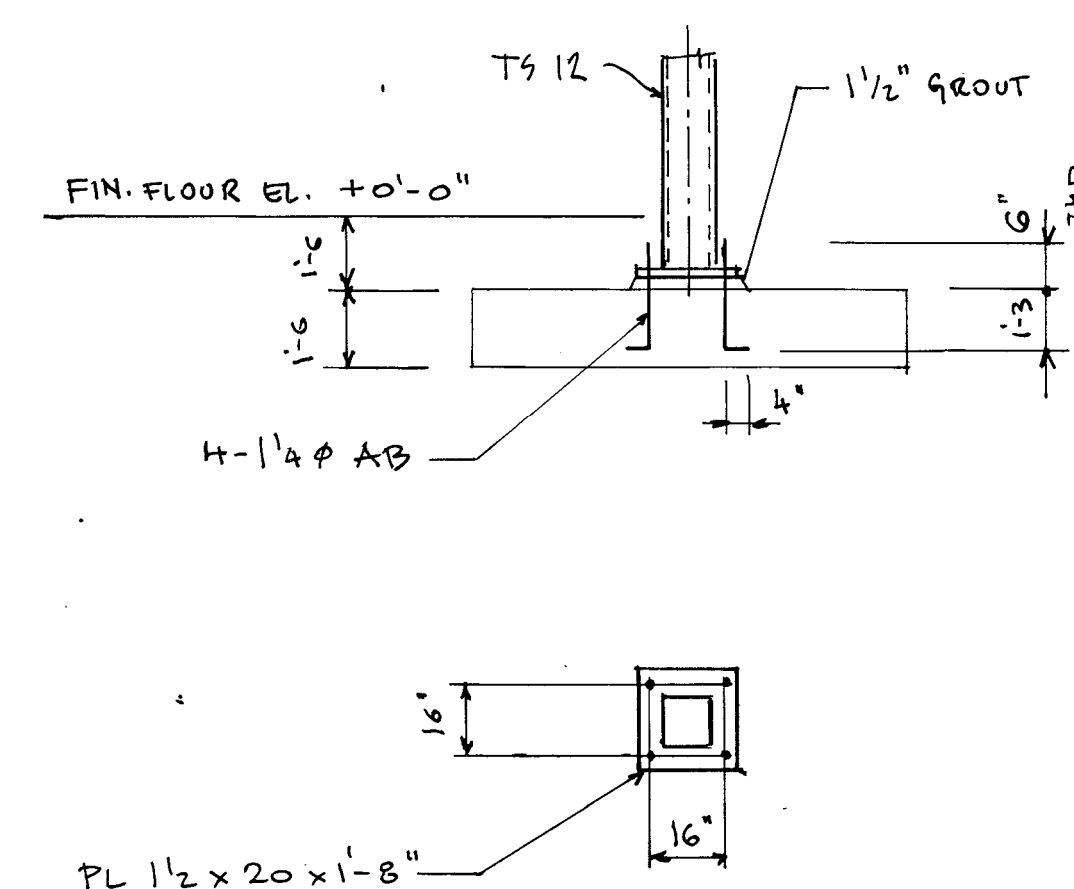


KEY PLAN
NOT TO SCALE



STUDENT COMMONS FOUNDATION PLAN

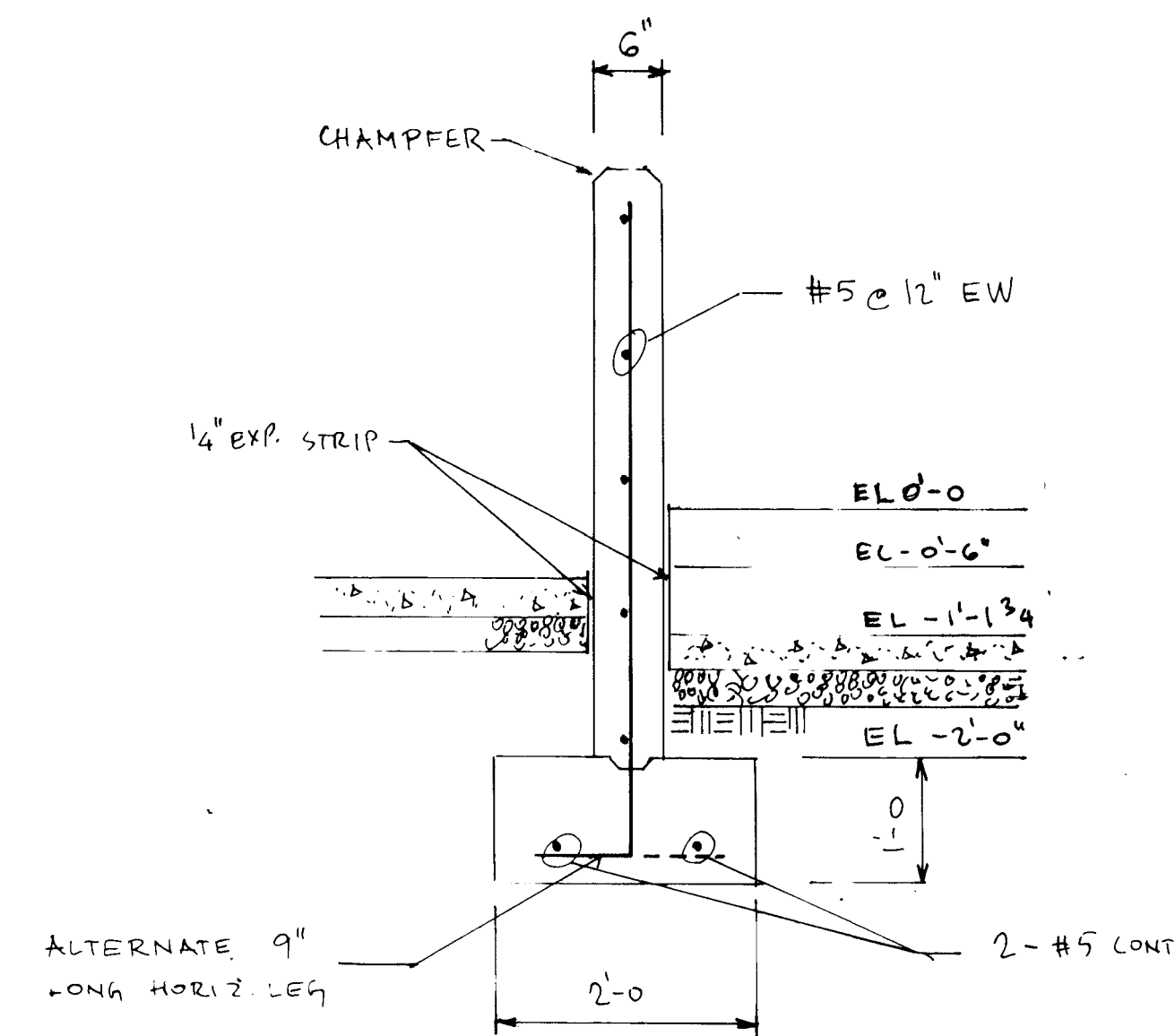
SCALE: 1/8" = 1'-0"



BASE PLATE DETAIL

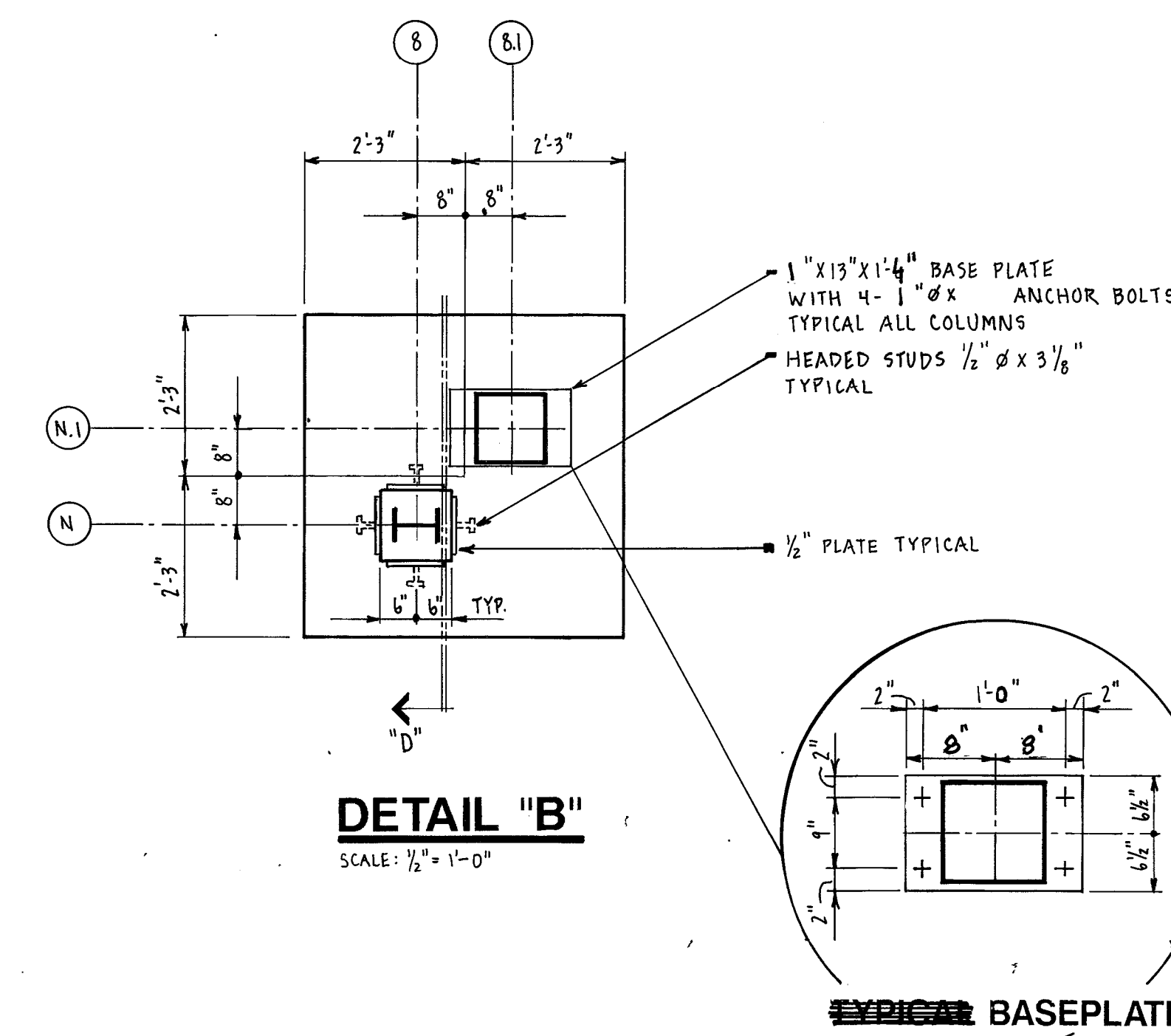
LINE "R.5" AND "Q.5"

NOTE: ALL WIDE FLANGE COLUMNS ARE EXISTING.
ALL TUBE COLUMNS ARE NEW - TS12X12



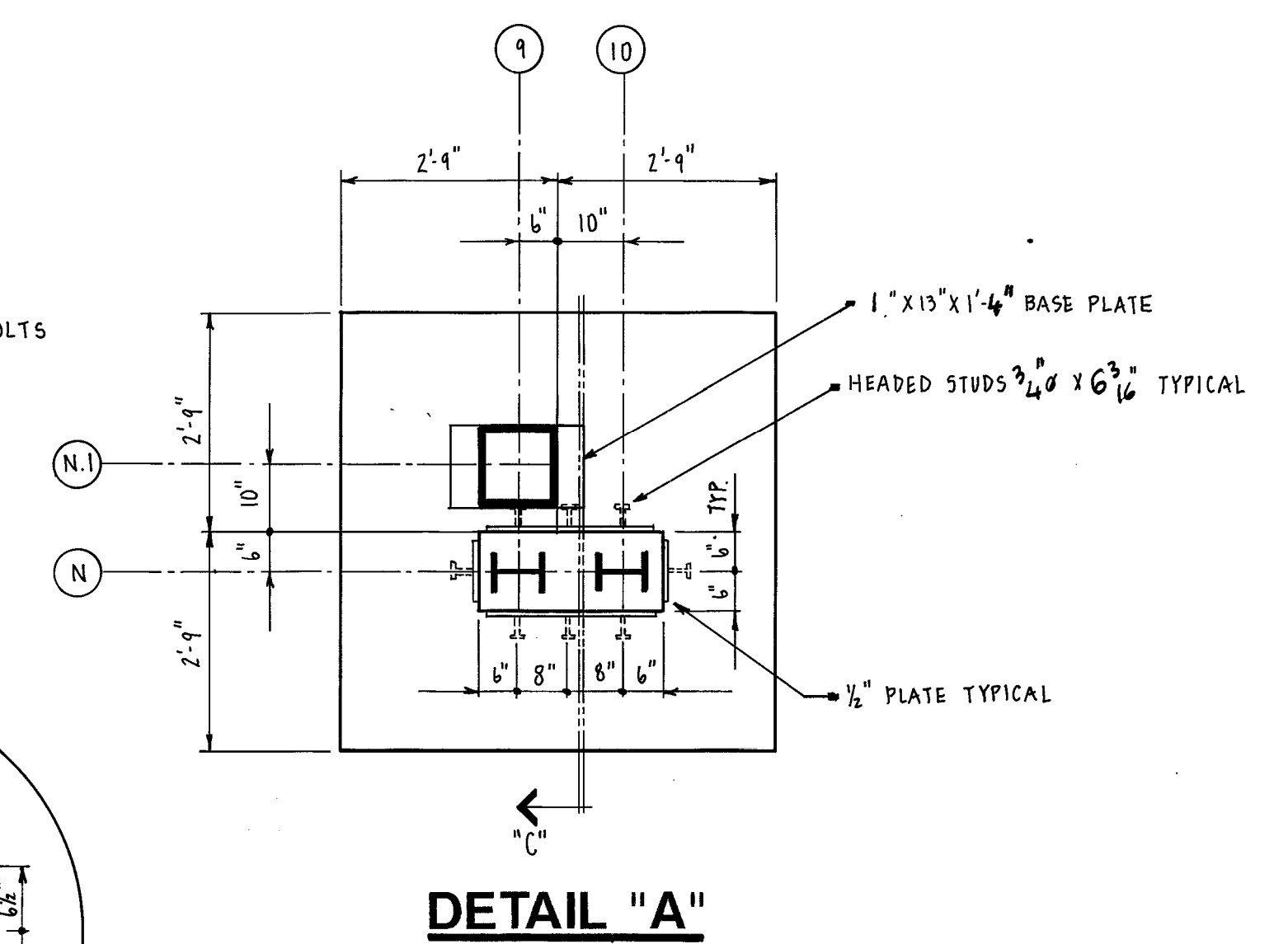
SECTION "G"

SCALE: 3/4" = 1'-0"



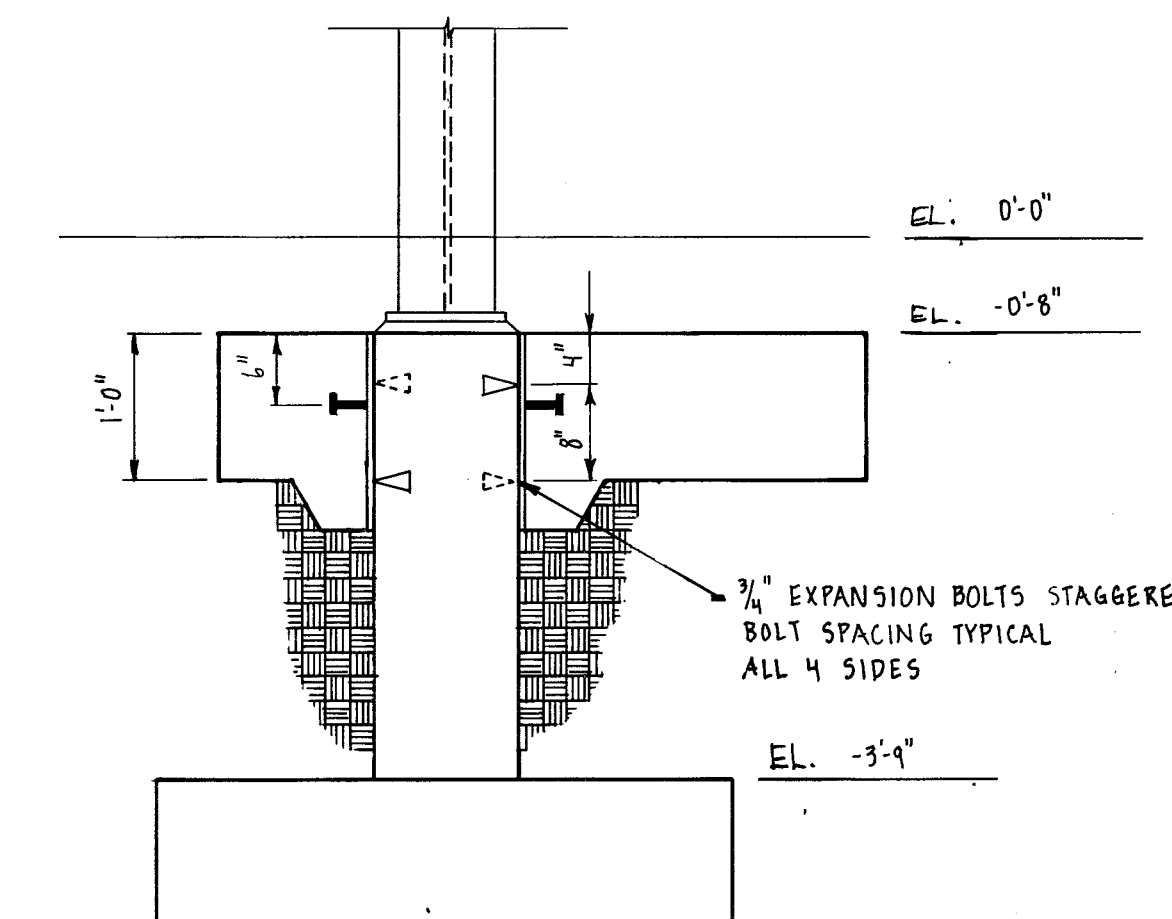
DETAIL "B"

SCALE: 1/2" = 1'-0"



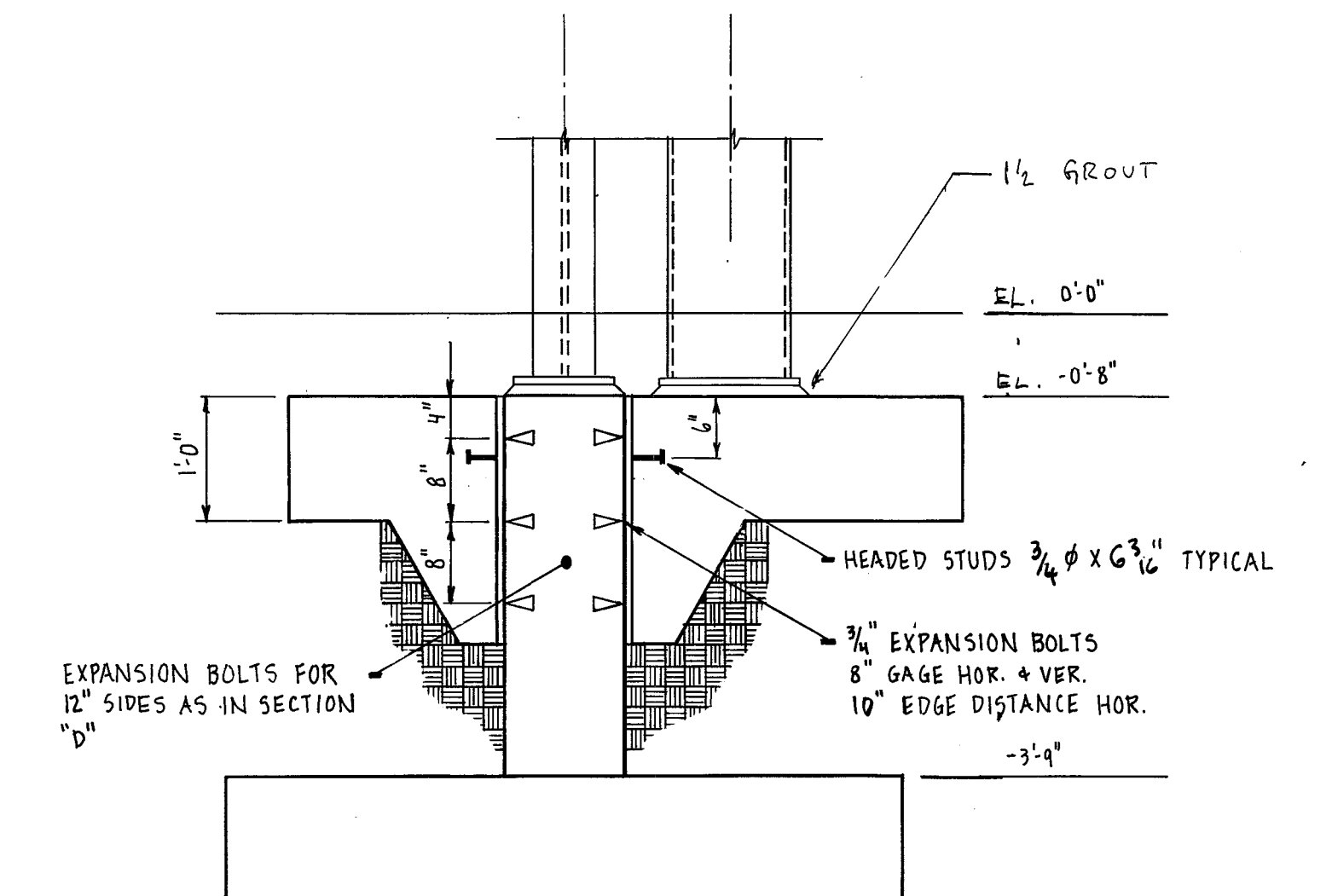
DETAIL "A"

SCALE: 1/2" = 1'-0"



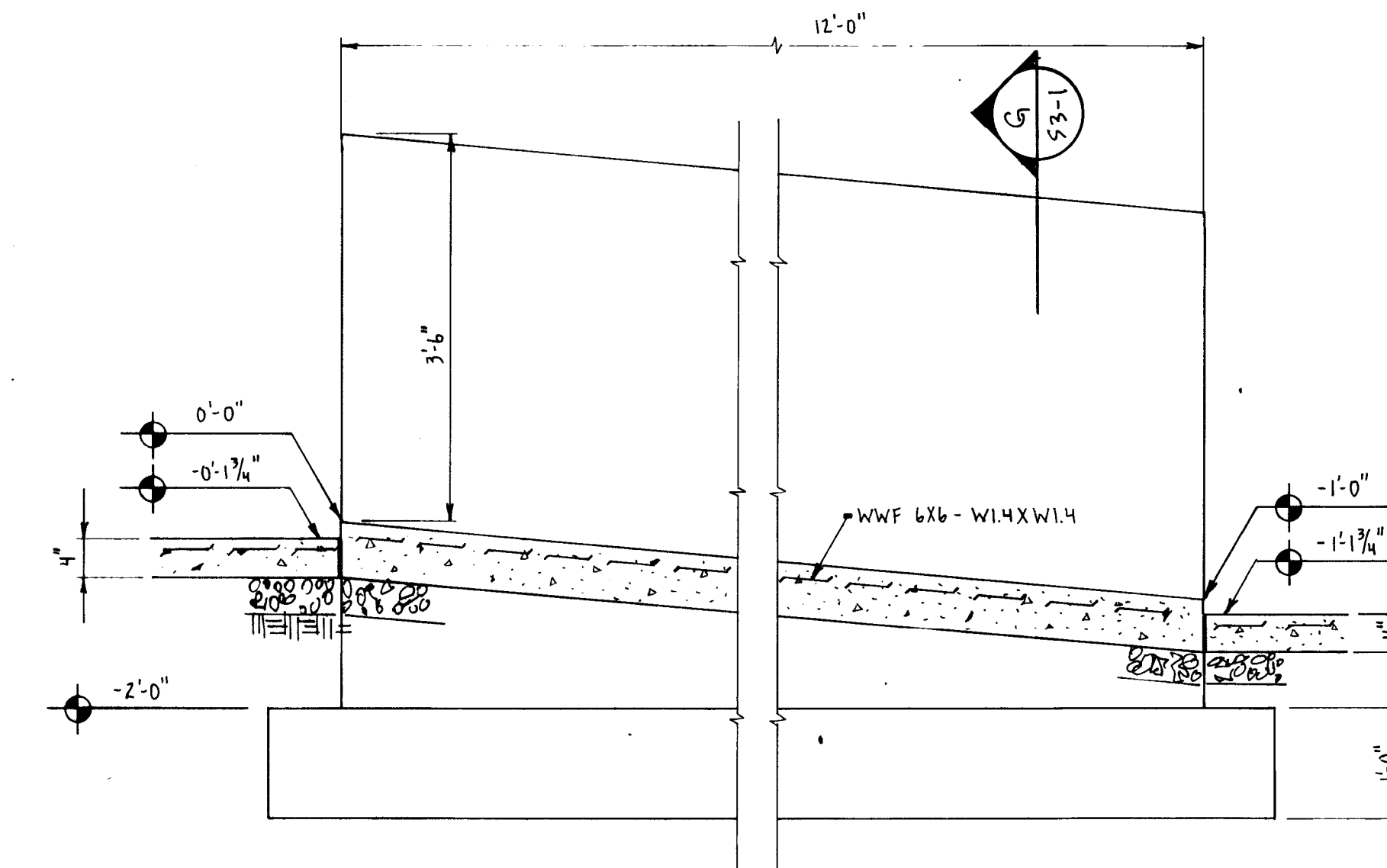
SECTION "D"

SCALE: 3/4" = 1'-0"



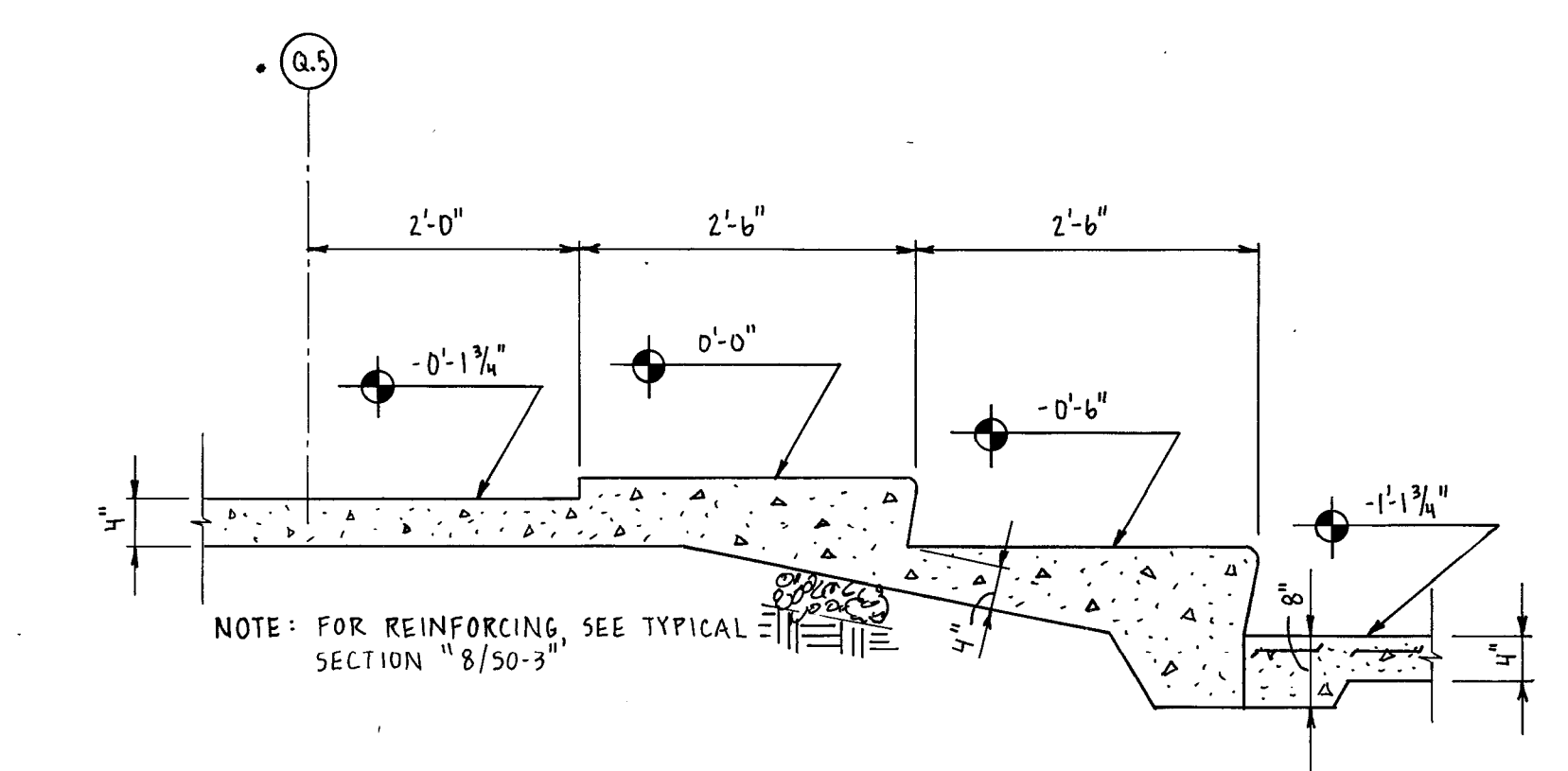
SECTION "C"

SCALE: 3/4" = 1'-0"



SECTION "F"

SCALE: 3/4" = 1'-0"

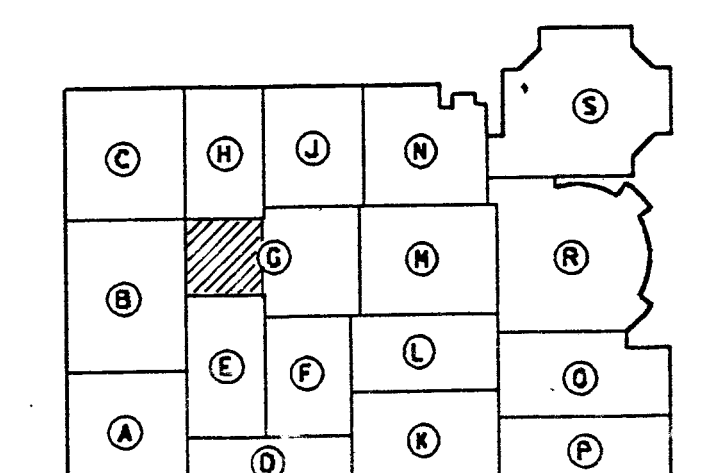


SECTION "E"

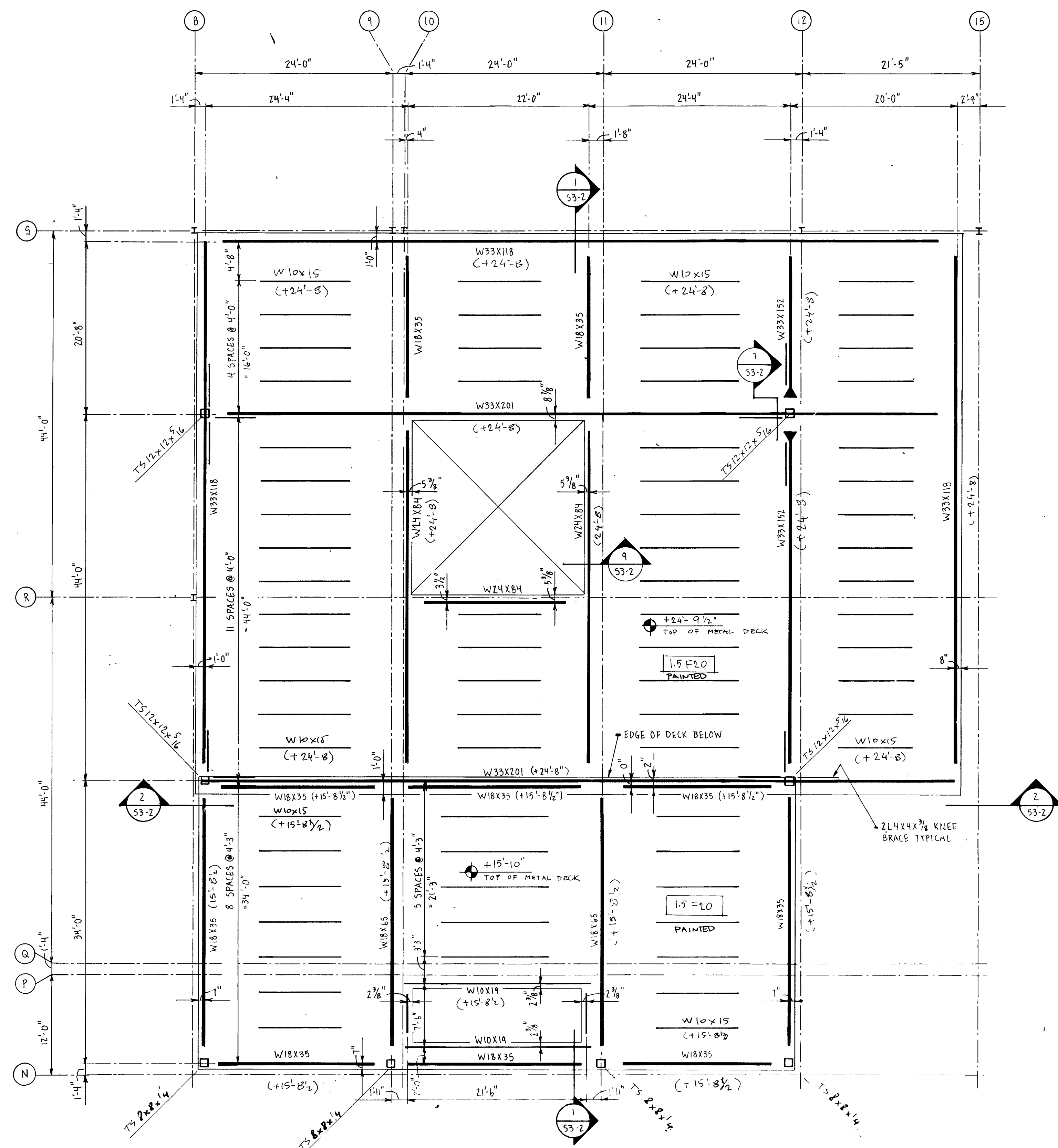
SCALE: 3/4" = 1'-0"

PLAN NOTES

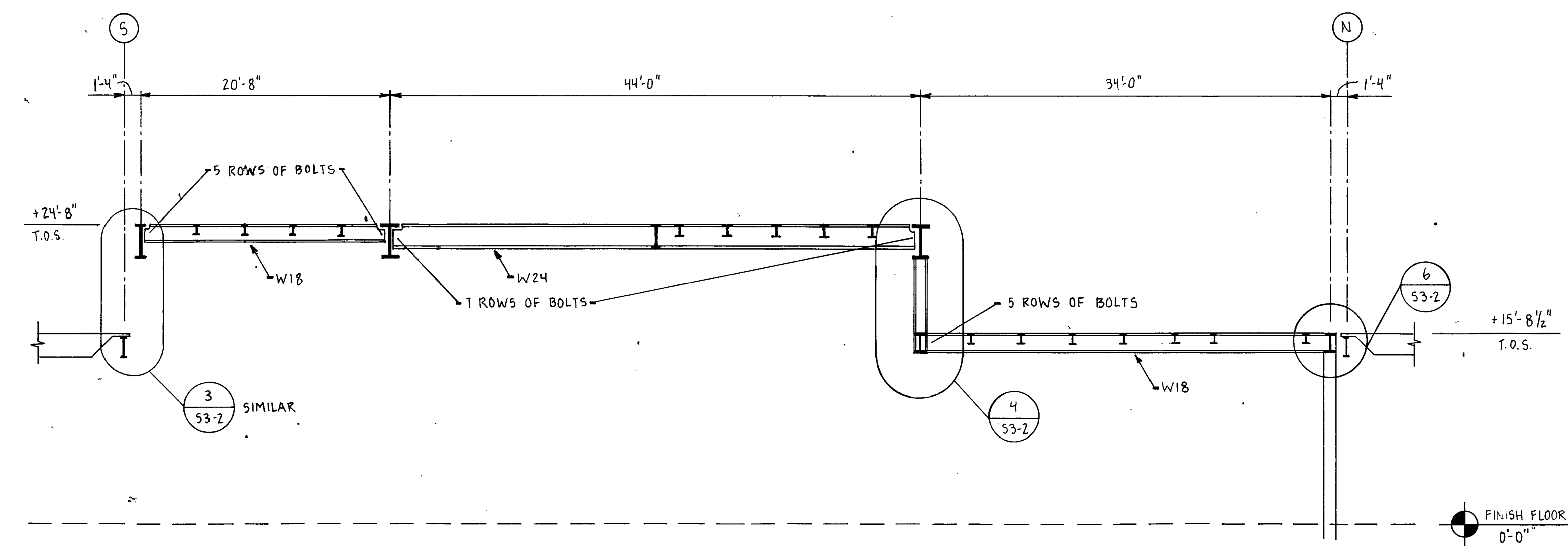
- For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
- Existing columns Detail "A" and Detail "B" have to be lifted (jacked up) 1/4 inch after the new pad is poured and before new columns are installed. Their loads have to be distributed to the new footing, common for the old and new columns. Afterwards the old columns are to be lowered to initial position. Submit jacking operation for approval for engineer. Foundation concrete to have minimum compressive strength of 2,500 psi before jacking operation begins.



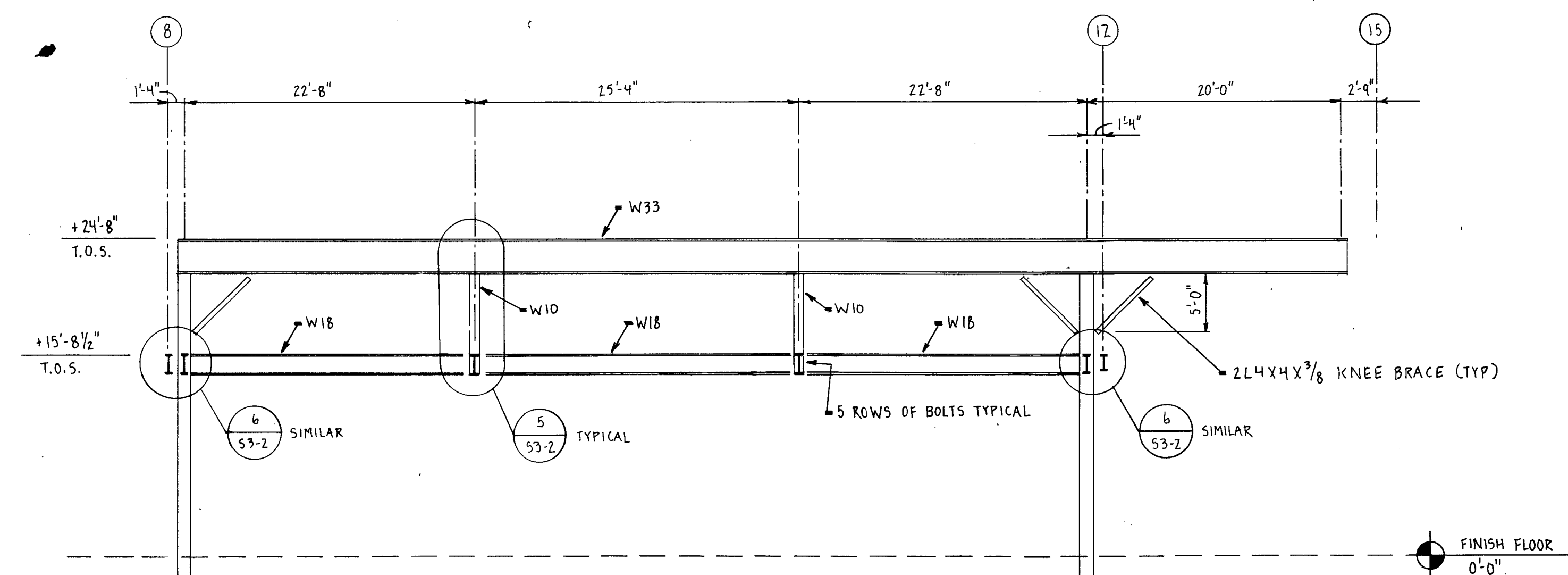
KEY PLAN
NOT TO SCALE



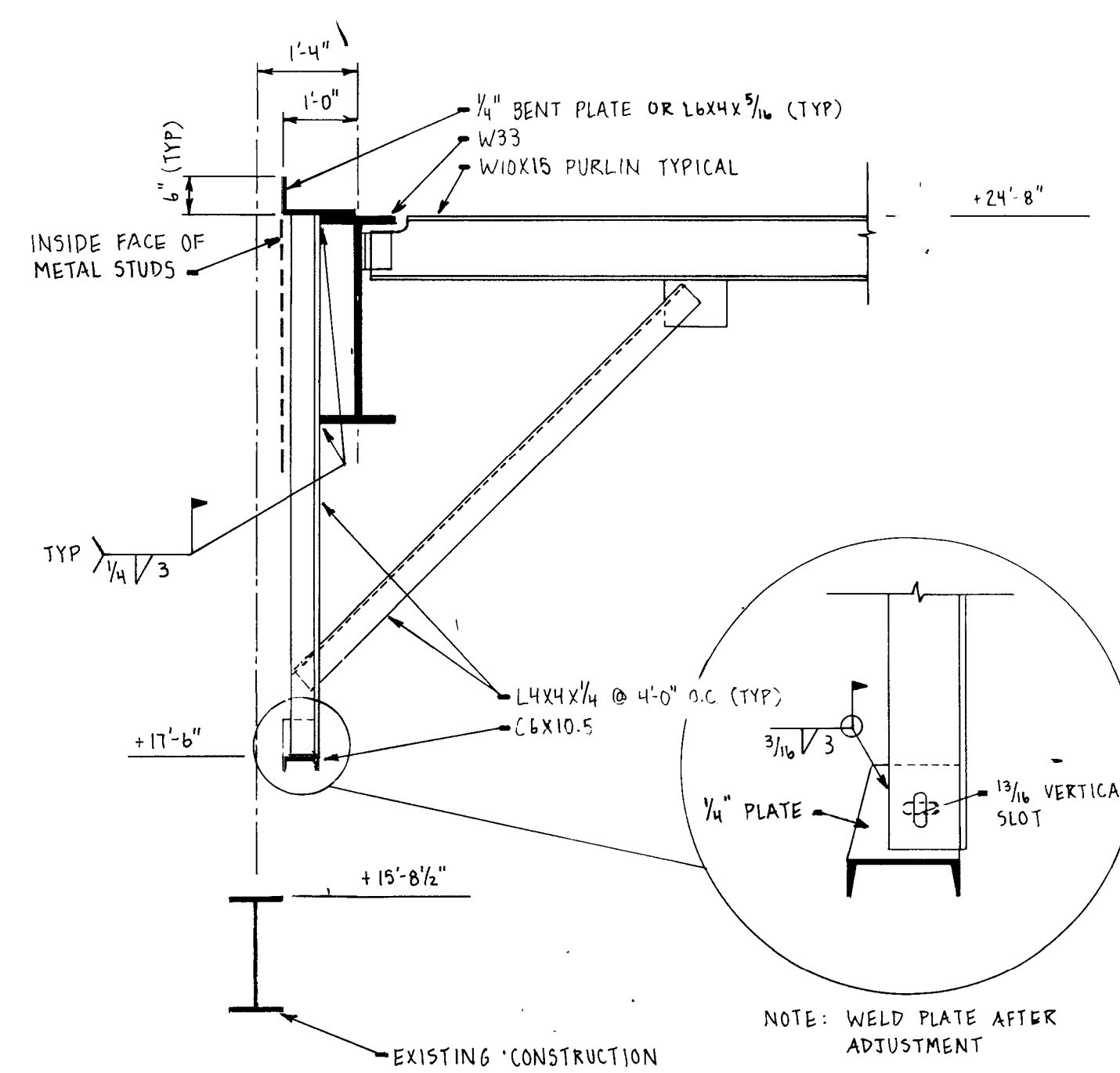
STUDENT COMMONS ROOF PLAN
SCALE: 1/8" = 1'-0"



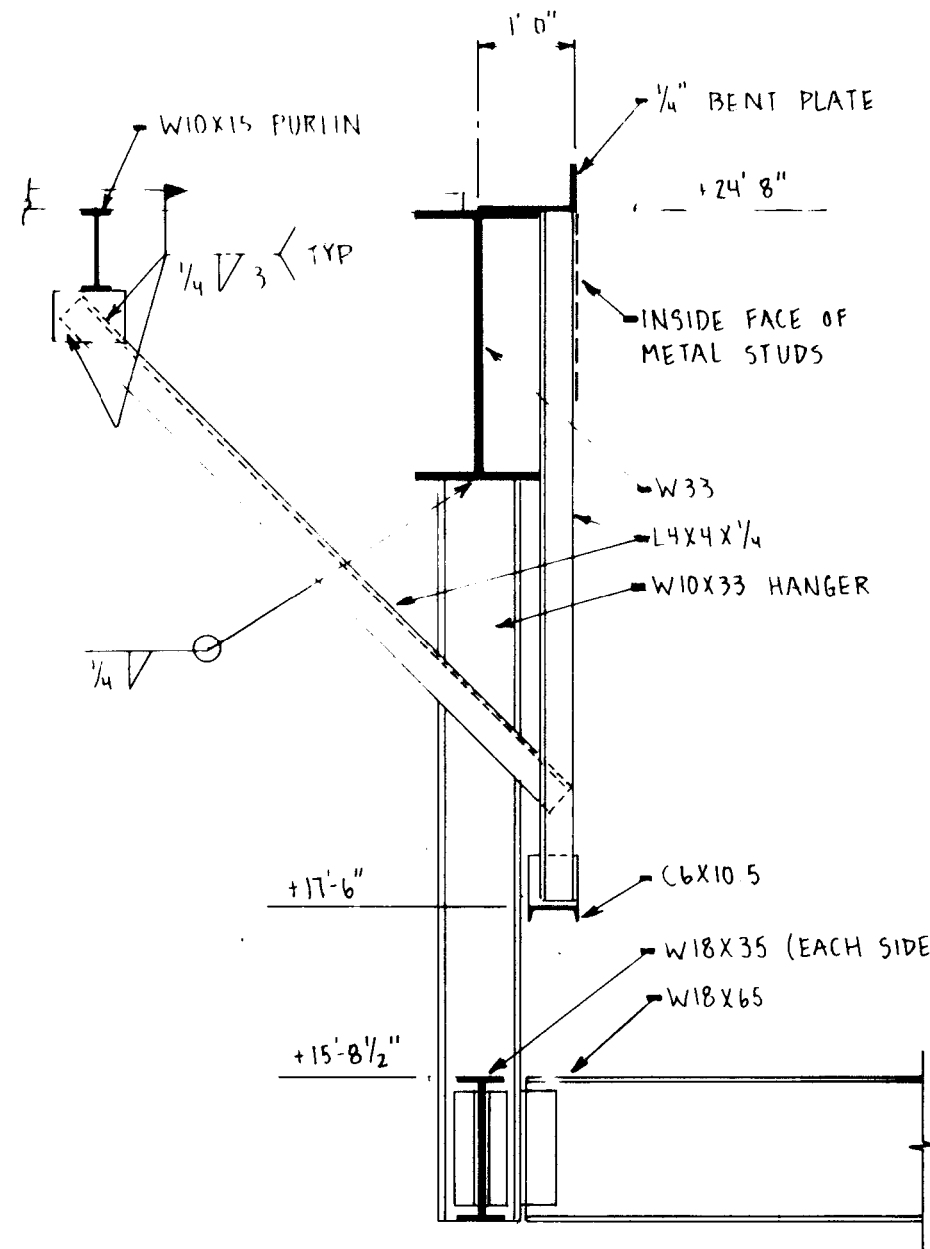
SECTION 1
SCALE: 1/8" = 1'-0"



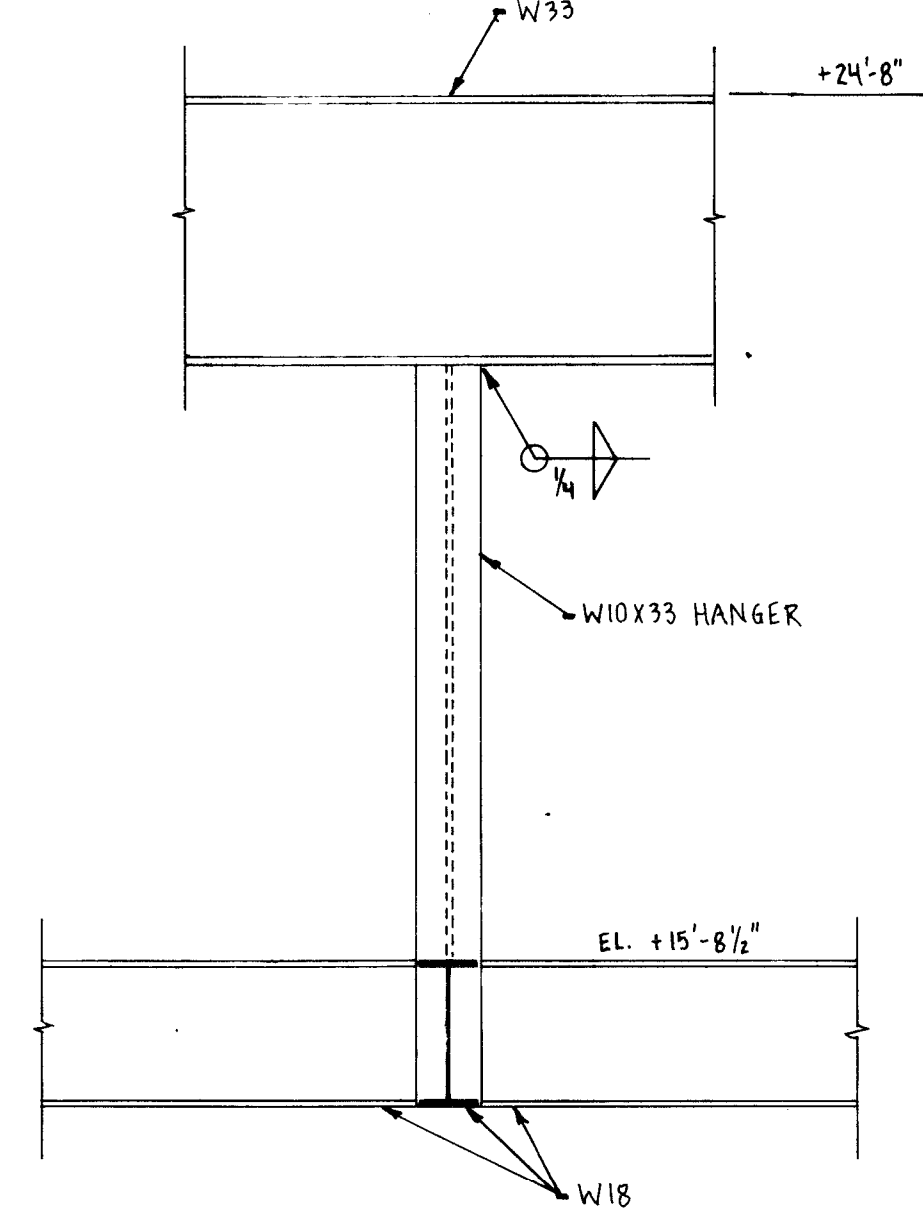
SECTION 2
SCALE: 1/8" = 1'-0"



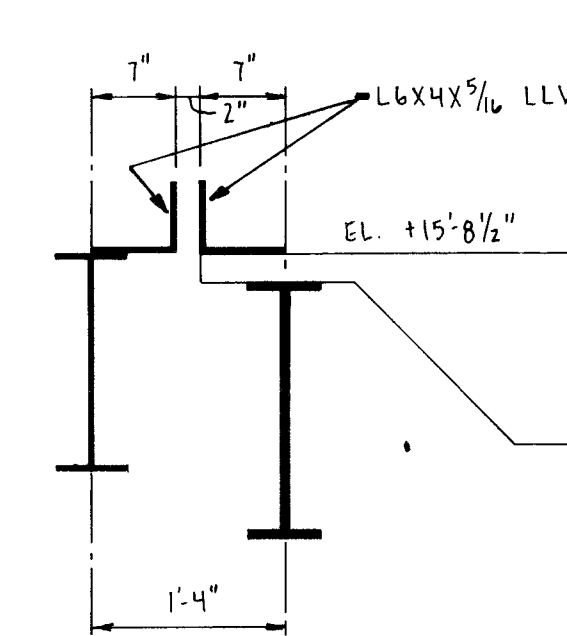
DETAIL 3
SCALE: 1/2" = 1'-0"



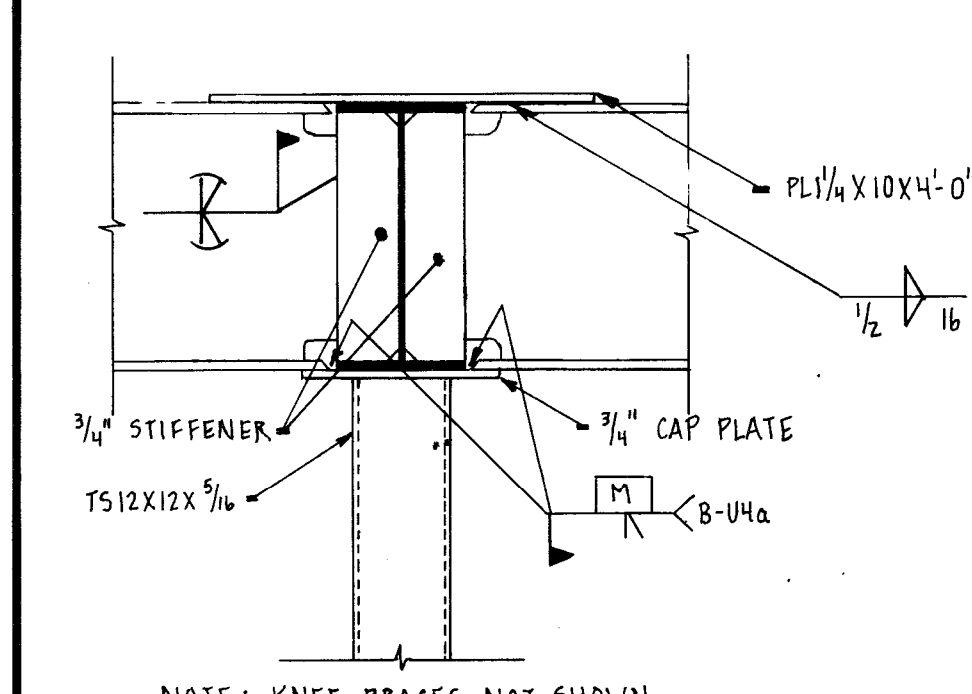
DETAIL 4
SCALE: 1/2" = 1'-0"



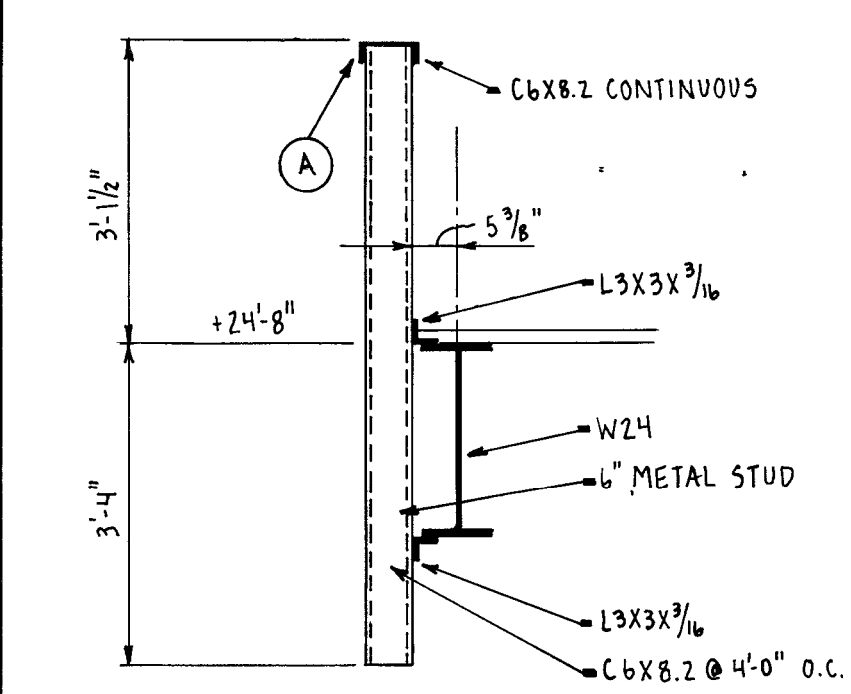
DETAIL 5
SCALE: 1/2" = 1'-0"



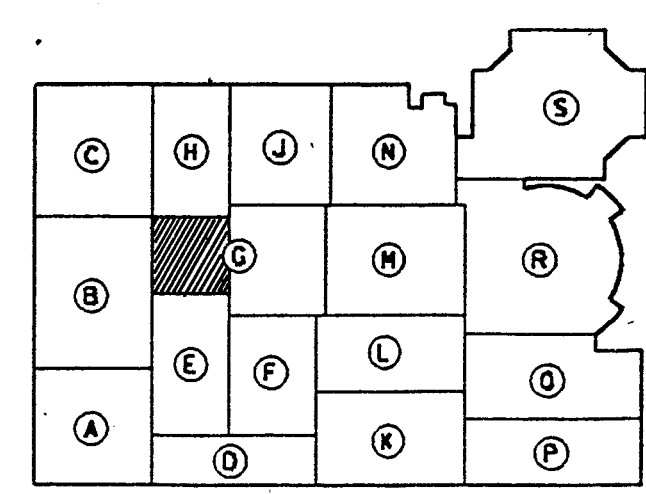
DETAIL 6
SCALE: 1/2" = 1'-0"



DETAIL 7
SCALE: 1/2" = 1'-0"



SECTION 9
SCALE: 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

PLAN NOTES

- For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
 - All unmarked purlins to be W10X15.
 - Gusset plates to be 1/2" thick.
- (A) Mitre and weld C6X8.2 together in corners using full penetration welds.

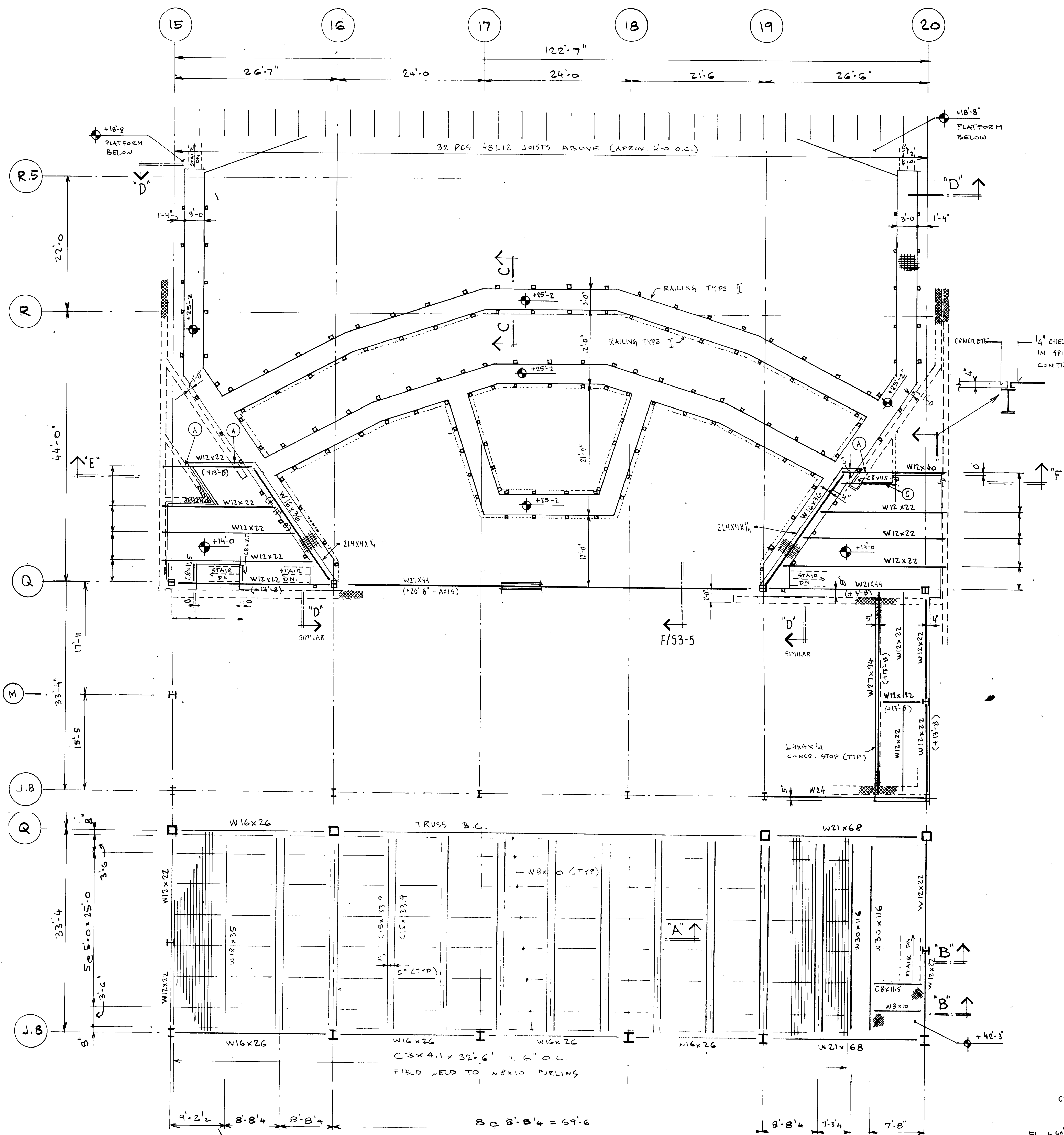


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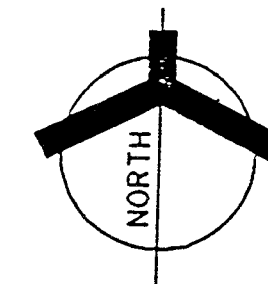
ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT of LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. Company
EDDROWN
Architects & Engineers
900 N. MERIDIAN STREET, SUITE 200
INDIANAPOLIS, INDIANA 46204
(317) 237-7000



PLAN NOTES

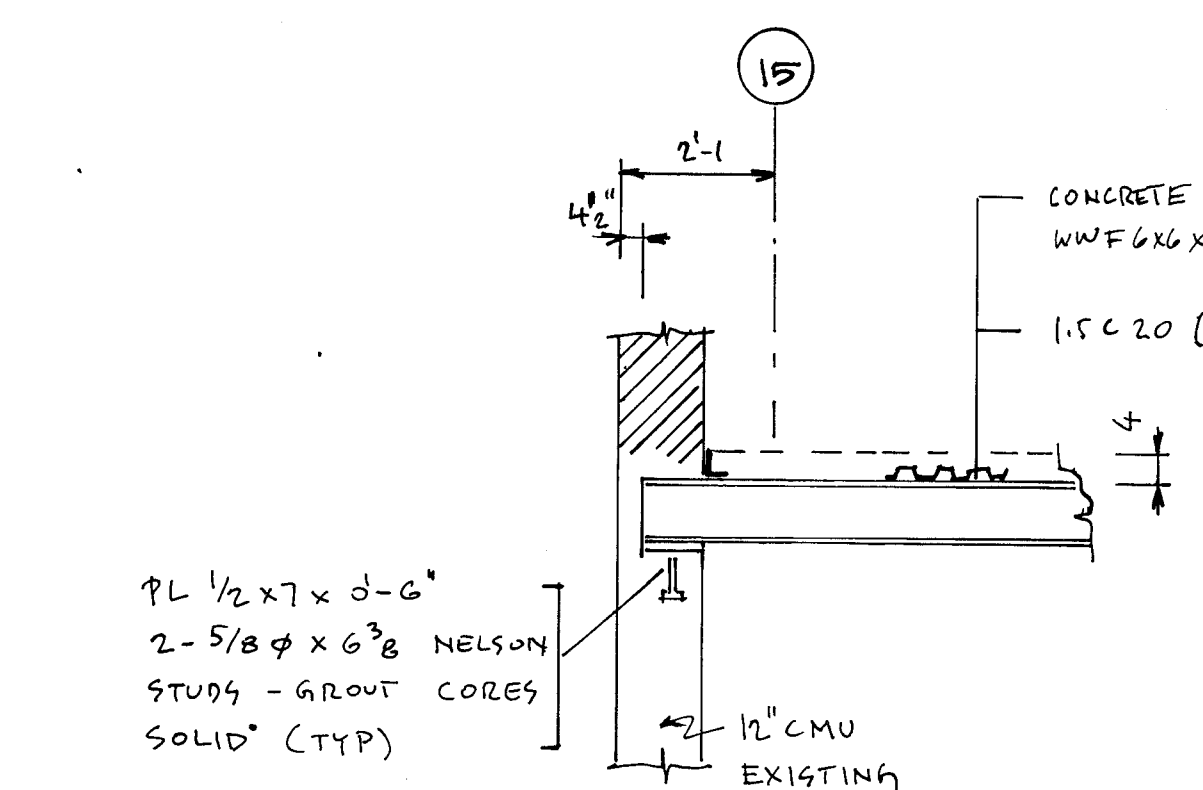
- For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
- Masonry bearing. Provide bearing plate as shown in Section "E".
- Masonry bearing.
- Metal stud wall. For edge of deck see architectural drawings.



PLAN

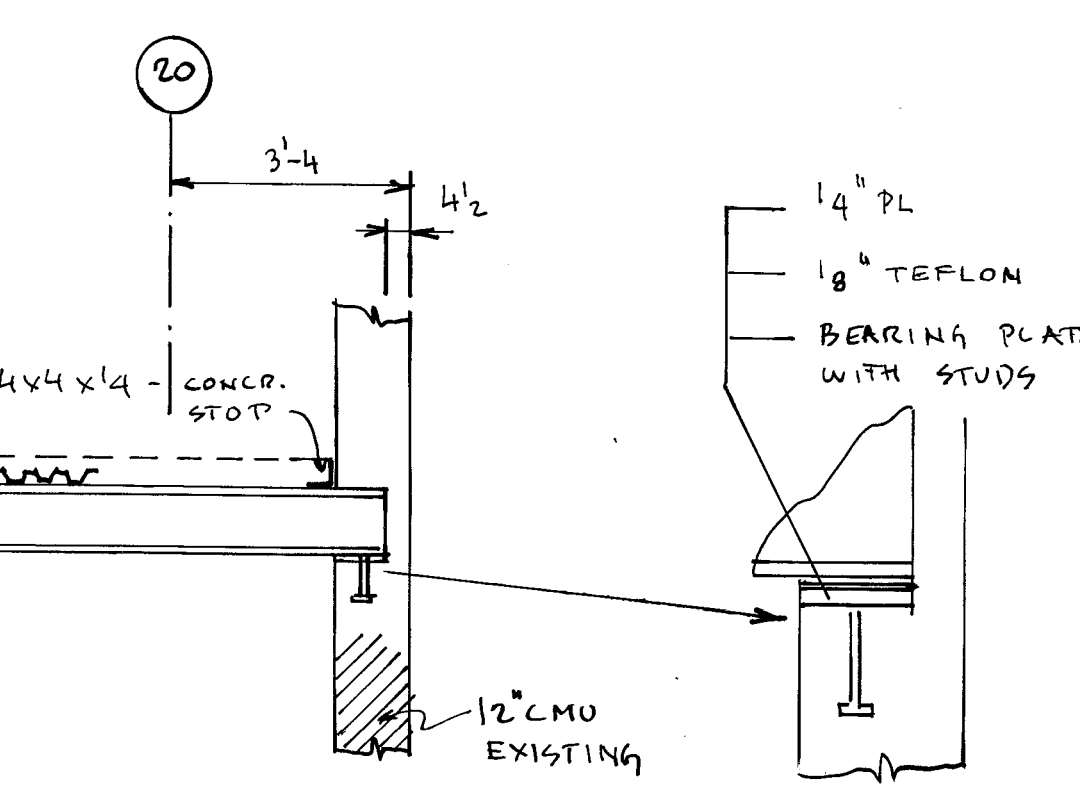
SECTION C-C

3/8" = 1'-0"



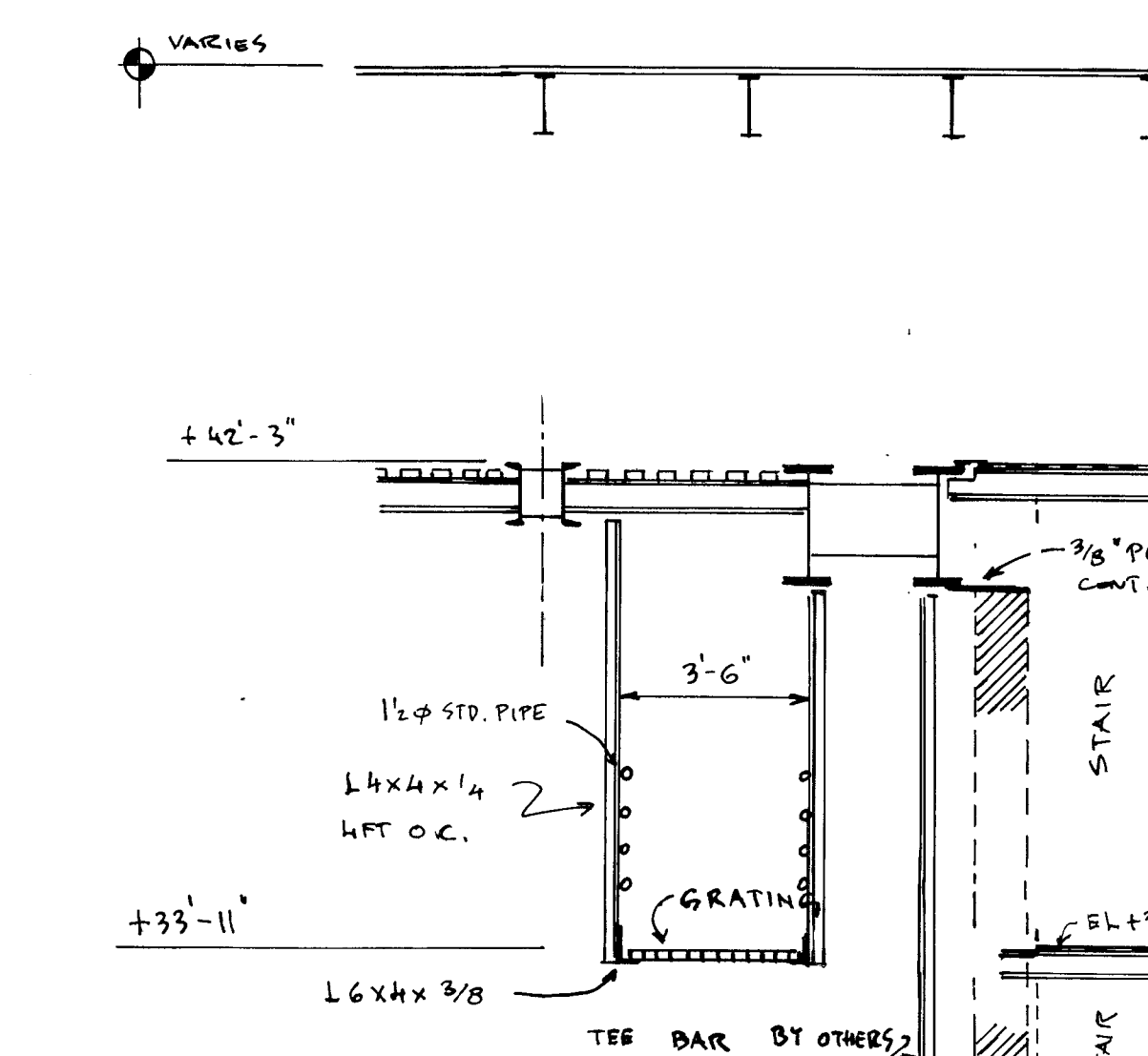
SECTION "D"

3/8" = 1'-0"



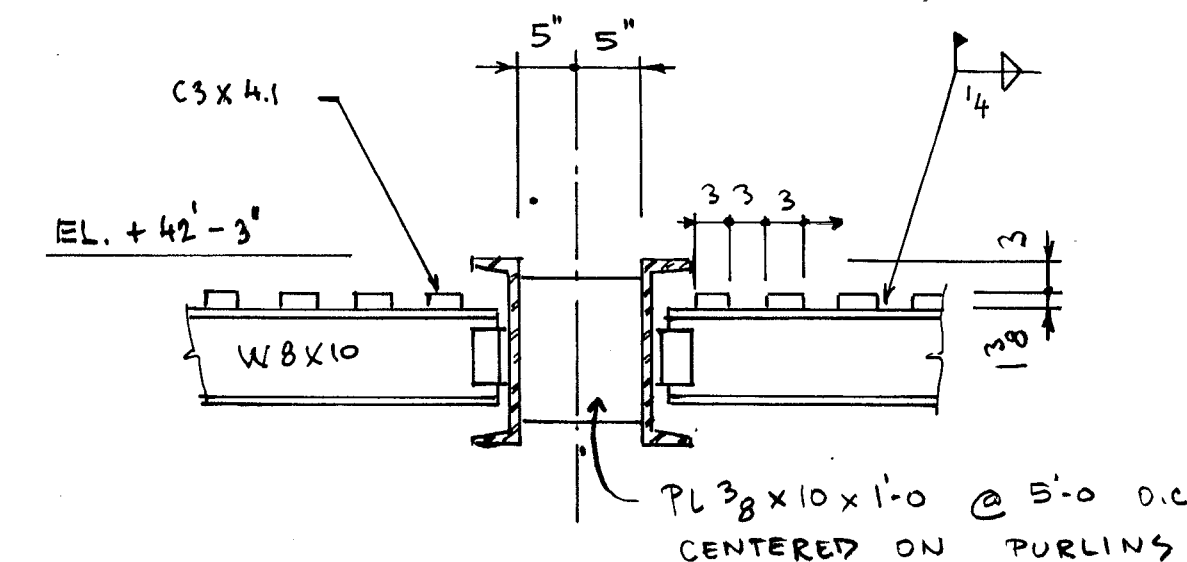
SECTION "E"

3/8" = 1'-0"



SECTION "B"

1/4" = 1'-0"

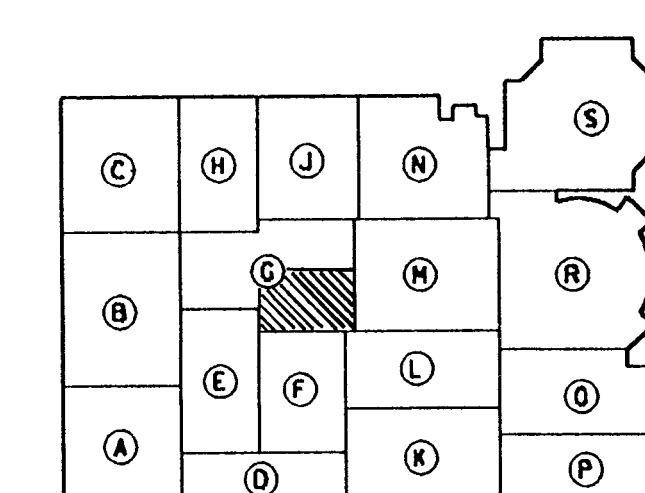


SECTION "A"

3/4" = 1'-0"

STAIR LANDINGS - PLAN

1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

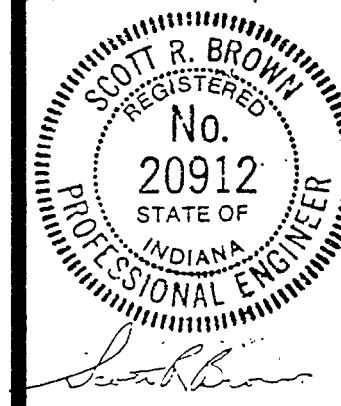
PROSCENIUM

RIGGING PLATFORM AND CATWALKS

PLANS, SECTIONS, DETAILS

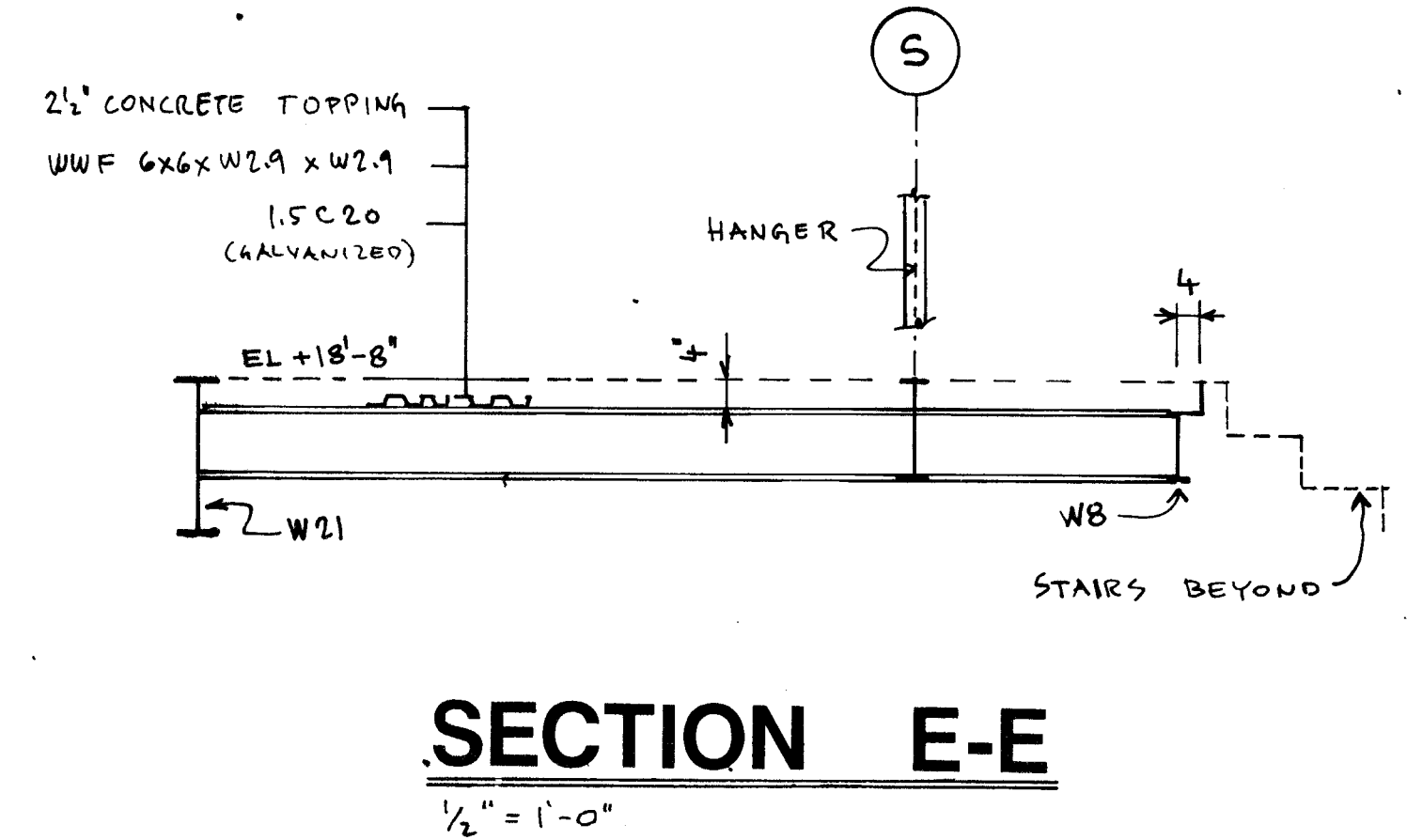
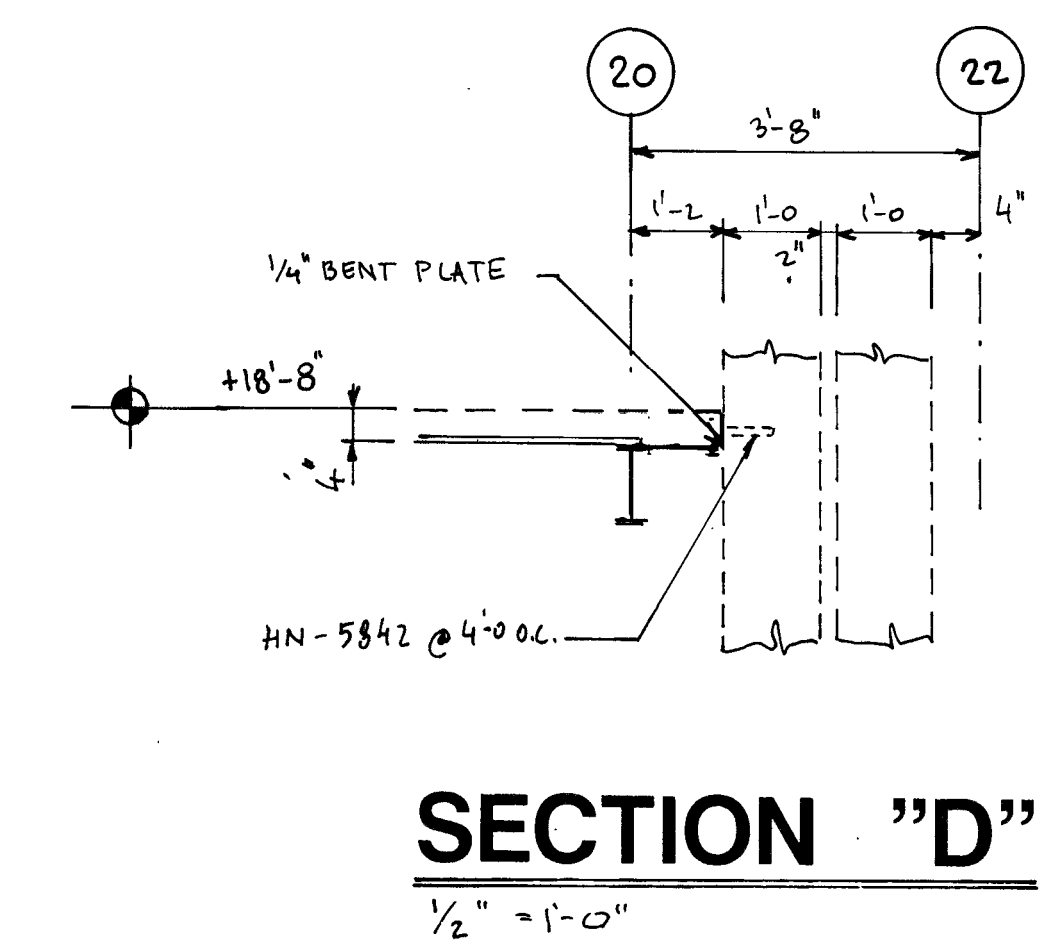
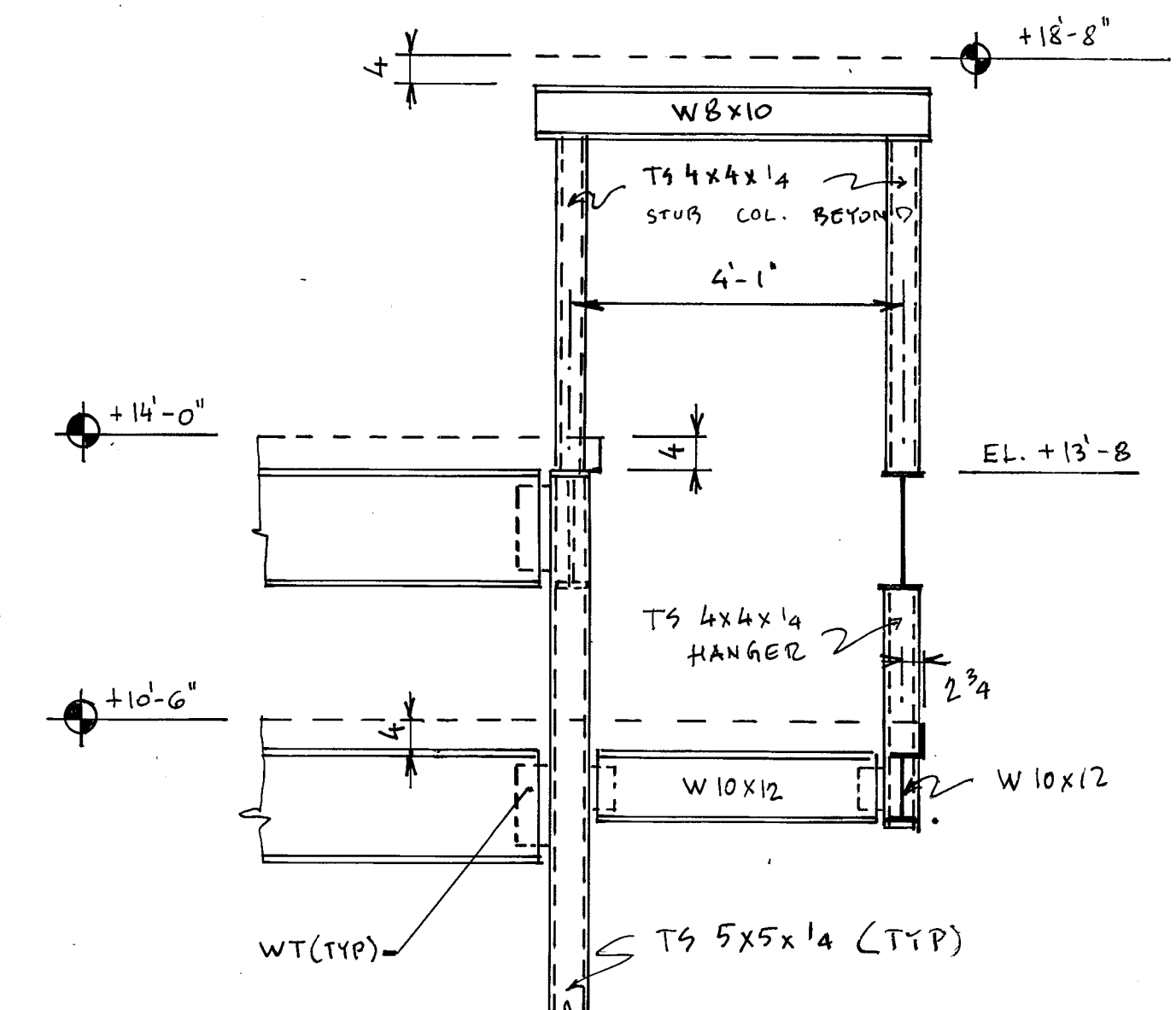
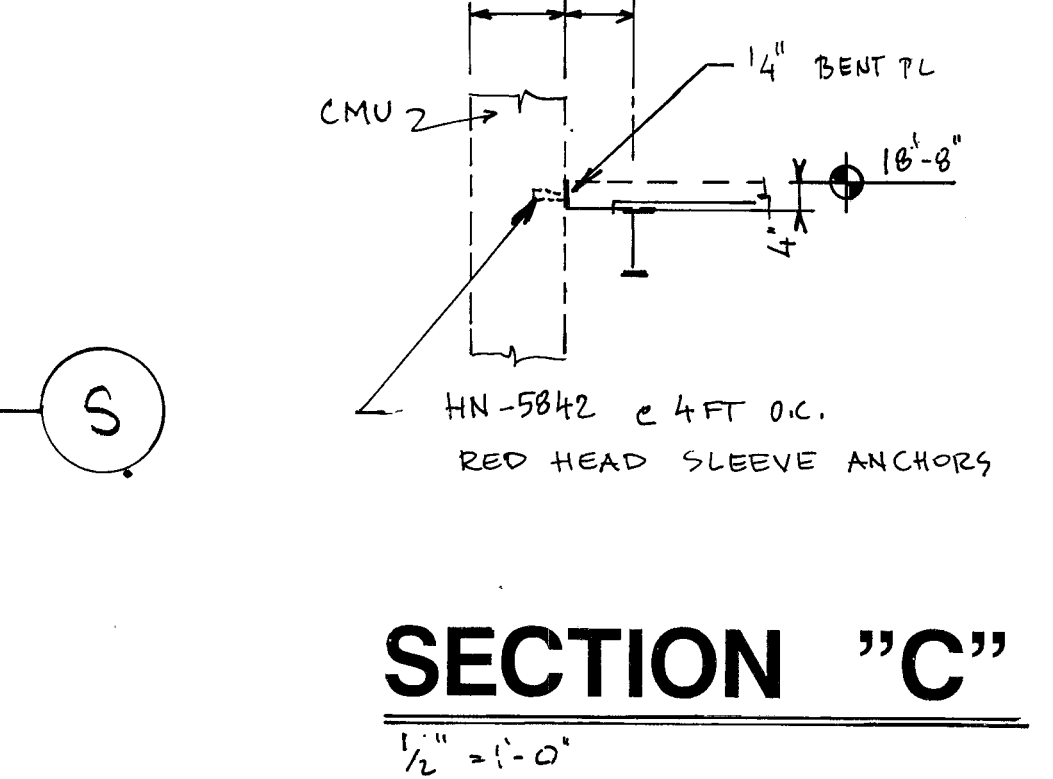
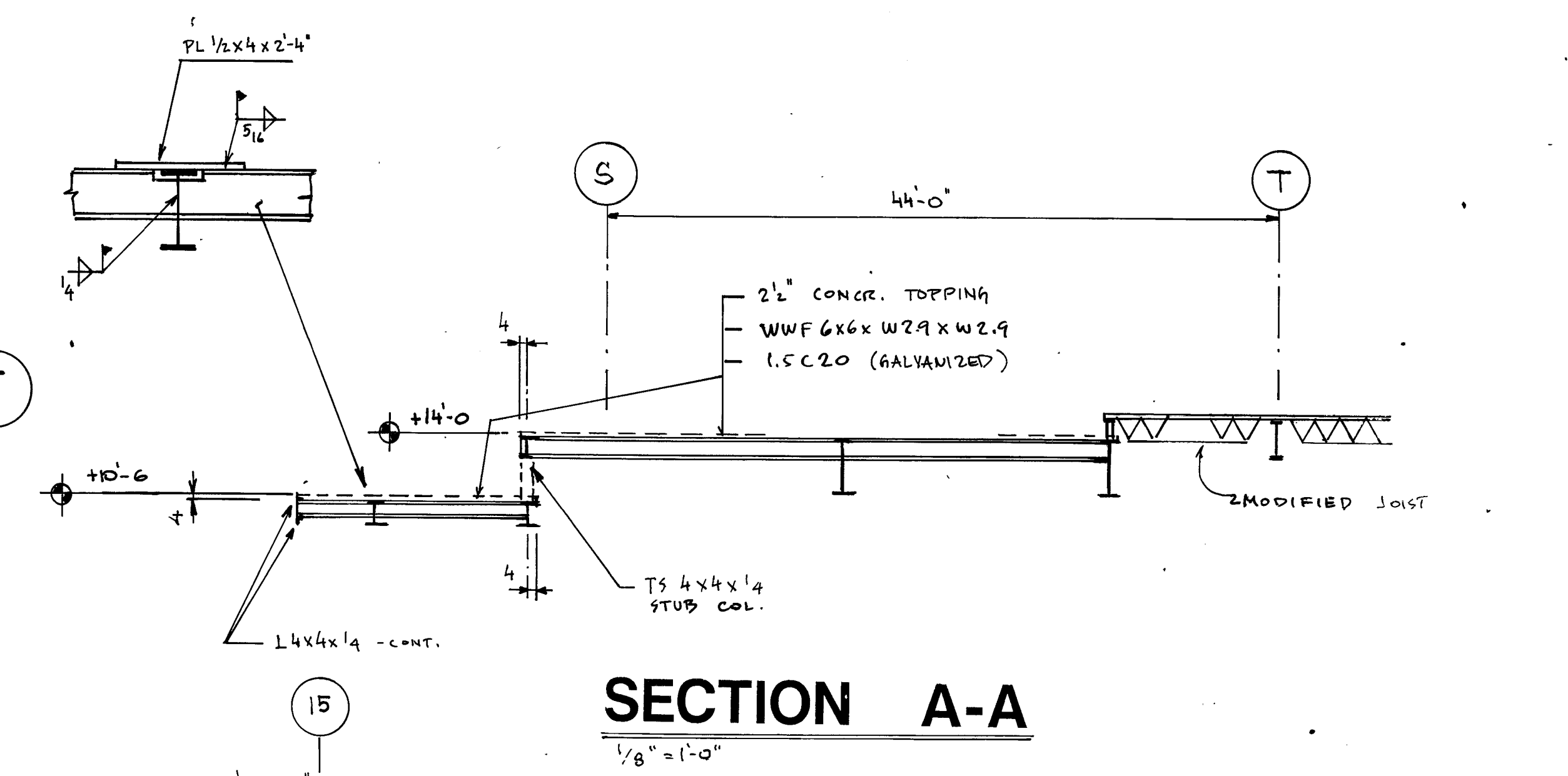
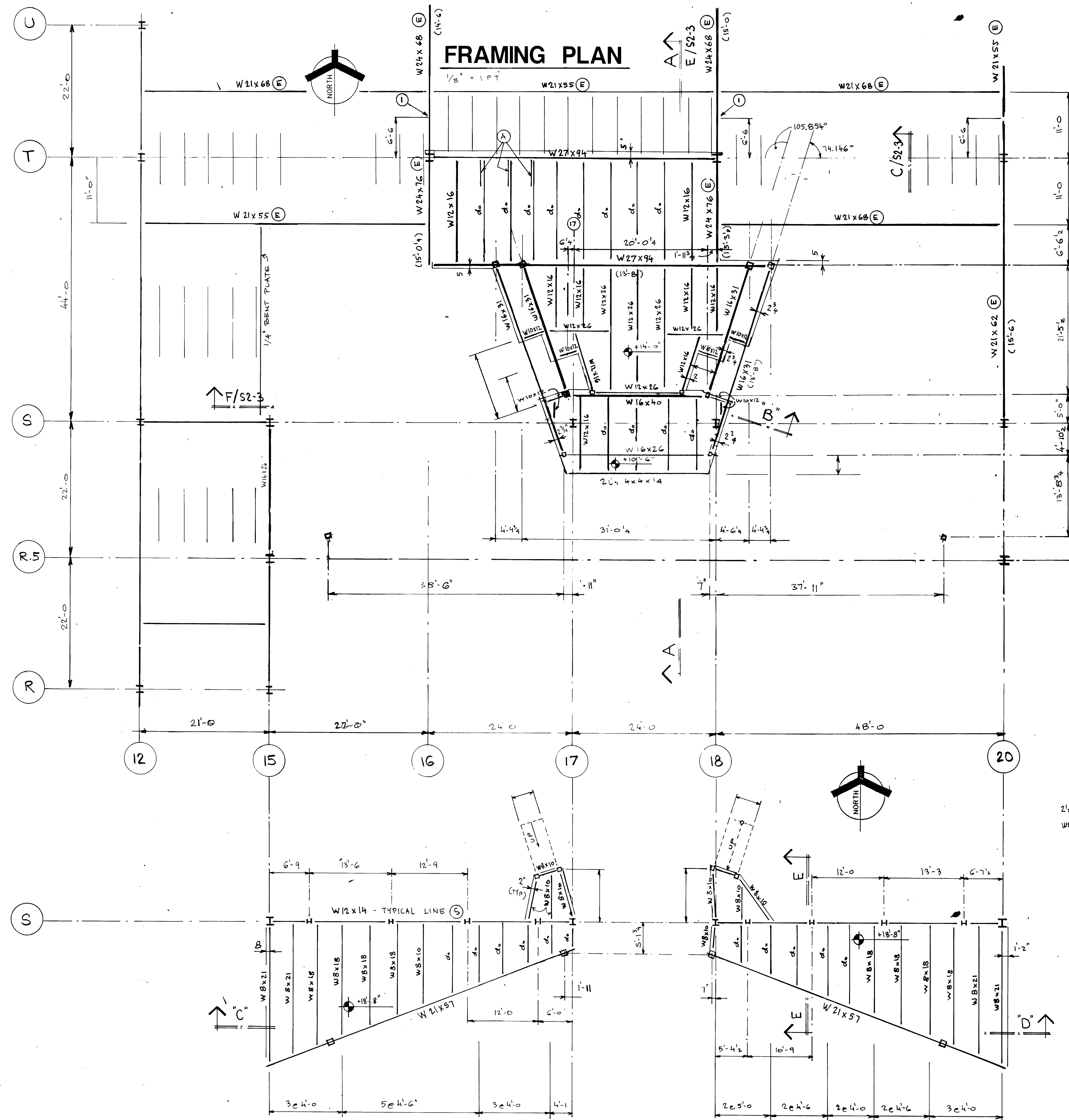
ADDITION TO AND RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
1st THE METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. BROWN
Company
Architects & Engineers
950 N. MERIDIAN STREET, SUITE 200
INDIANAPOLIS, INDIANA 46204
(317) 251-7500



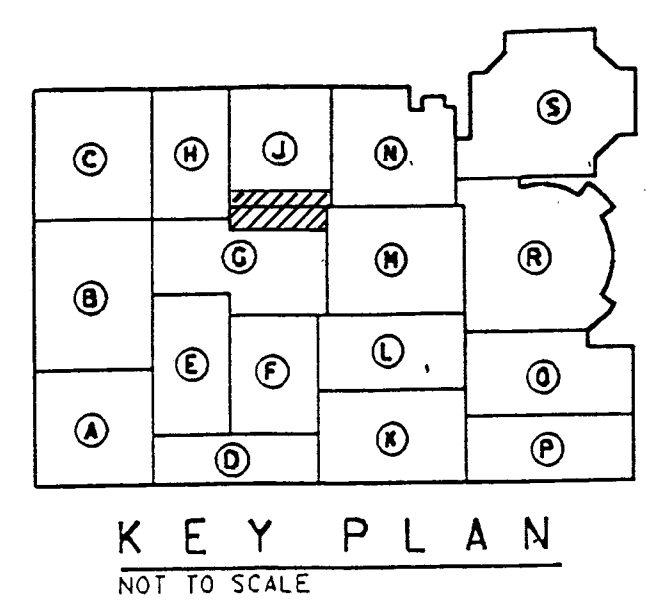
PROJECT
871-110
DATE
DEC. 18, 1989
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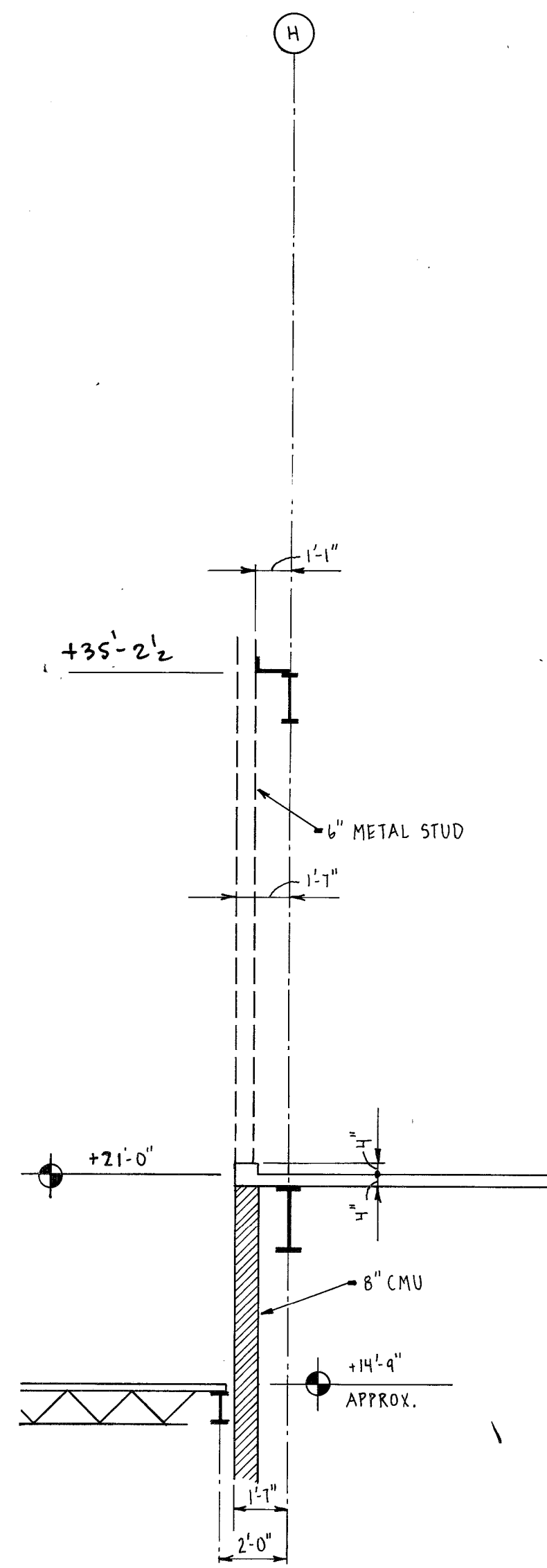
NO. S3-3
OF 9



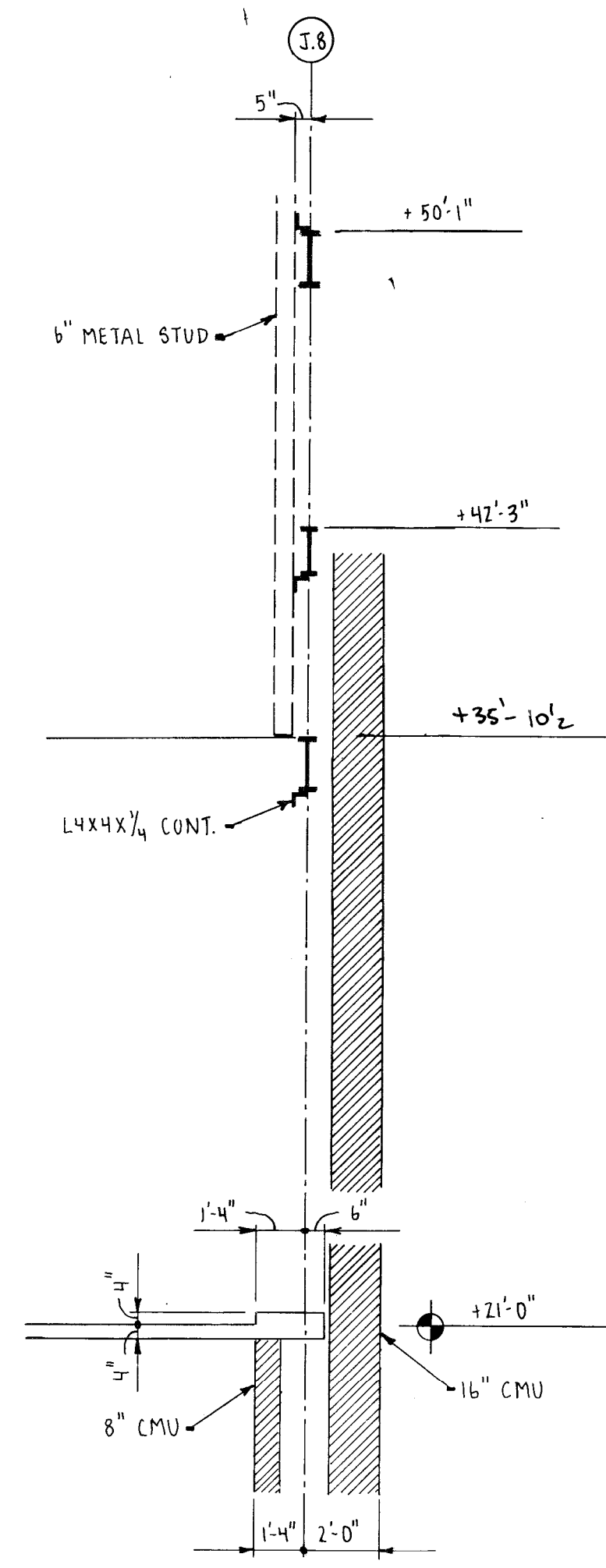
PLAN NOTES

1. For General Notes see drawing "S0-3" and drawing "S1-9". Notes on drawing "S1-9" supersede notes on drawing "S0-3".
 2. Mechanical Penthouse to receive perimeter curb.
 3. See drawing "S1-9" for curb reinforcing.
 4. Provide new roof deck in areas of remodeling, where the existing Tectum decking might be damaged during construction.
 5. Verify elevations to match existing slope.
- ① Eliminate existing splice - Develop full bending and shear capacity.
- ② Existing beam to be shortened. Weld web to the cross beam.
- ③ SEE SECTION "2/A7-13" (ARCHITECTURAL DRAWING)

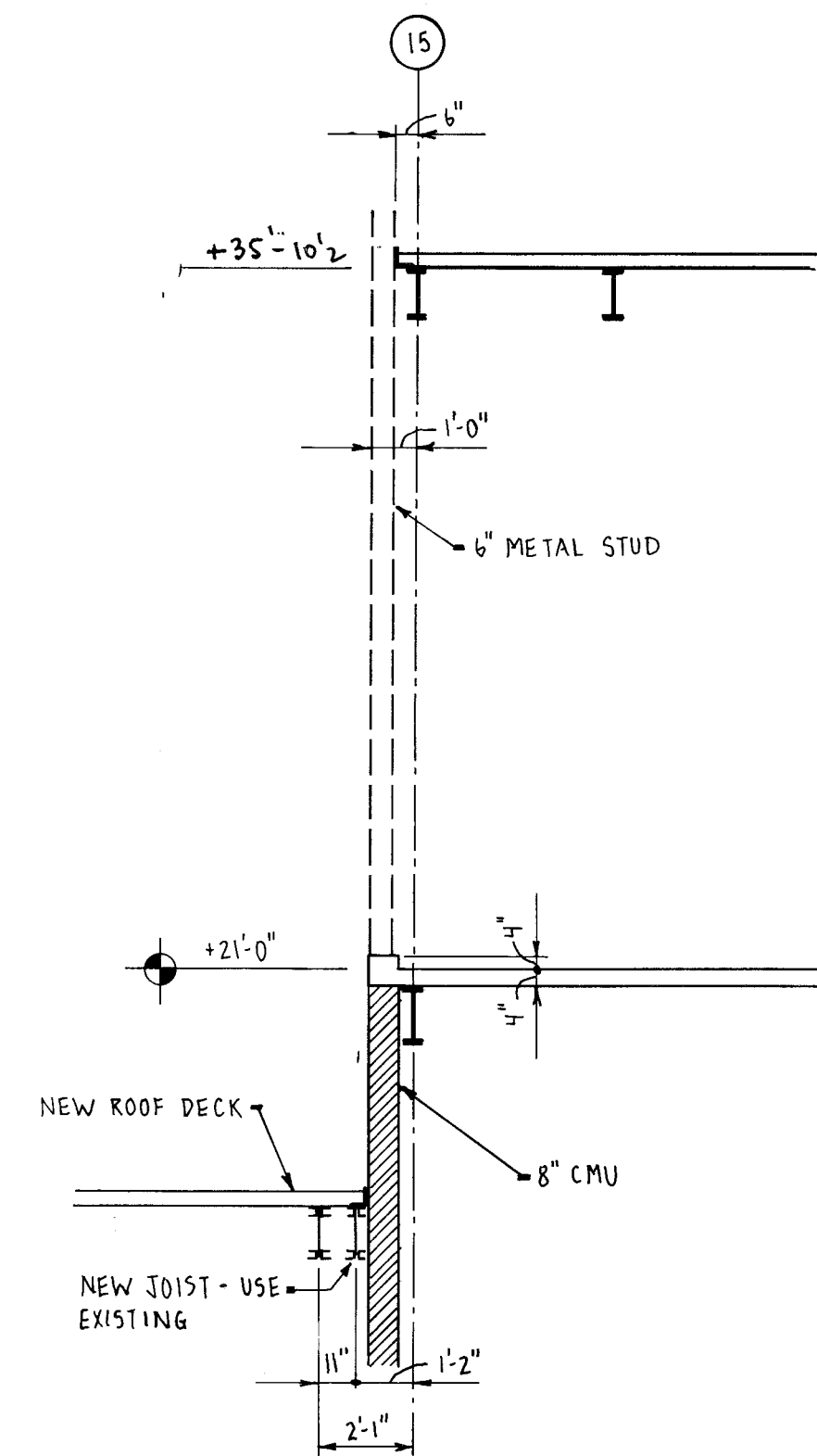




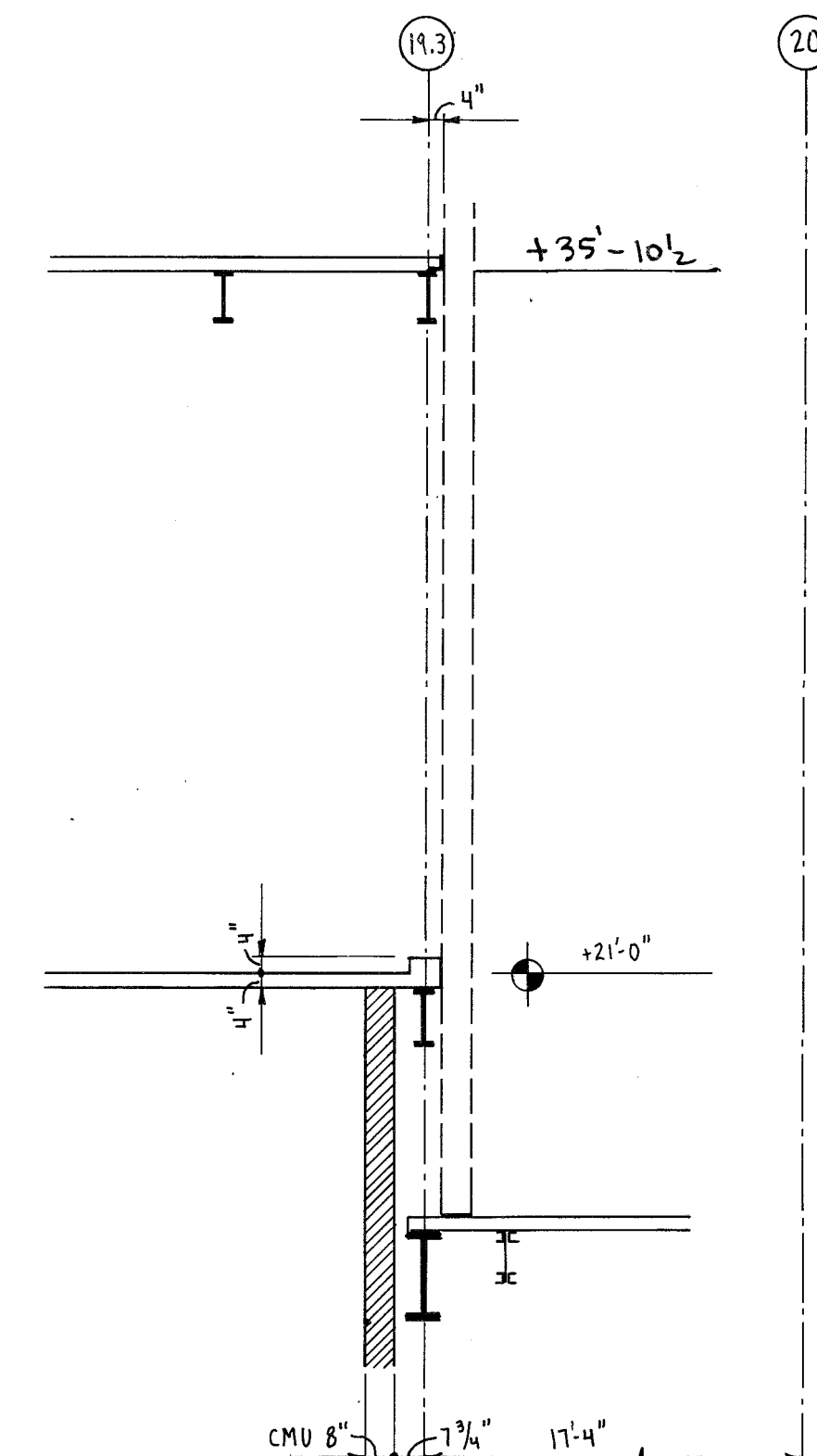
SECTION "E" (CUT FROM SHEET "52-12")
SCALE: 1/4" = 1'-0"



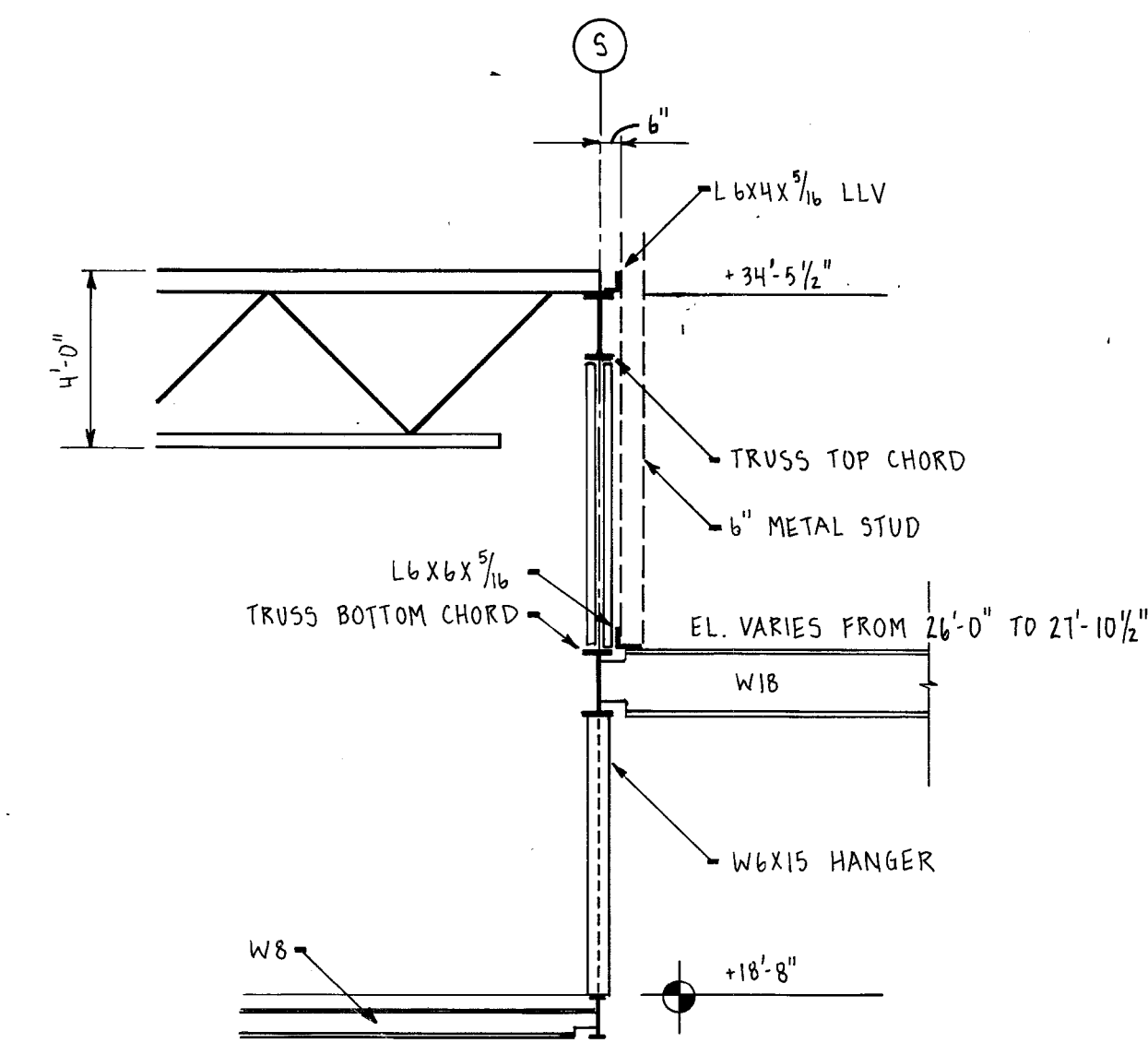
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SCALE: 1/4" = 1'-0"



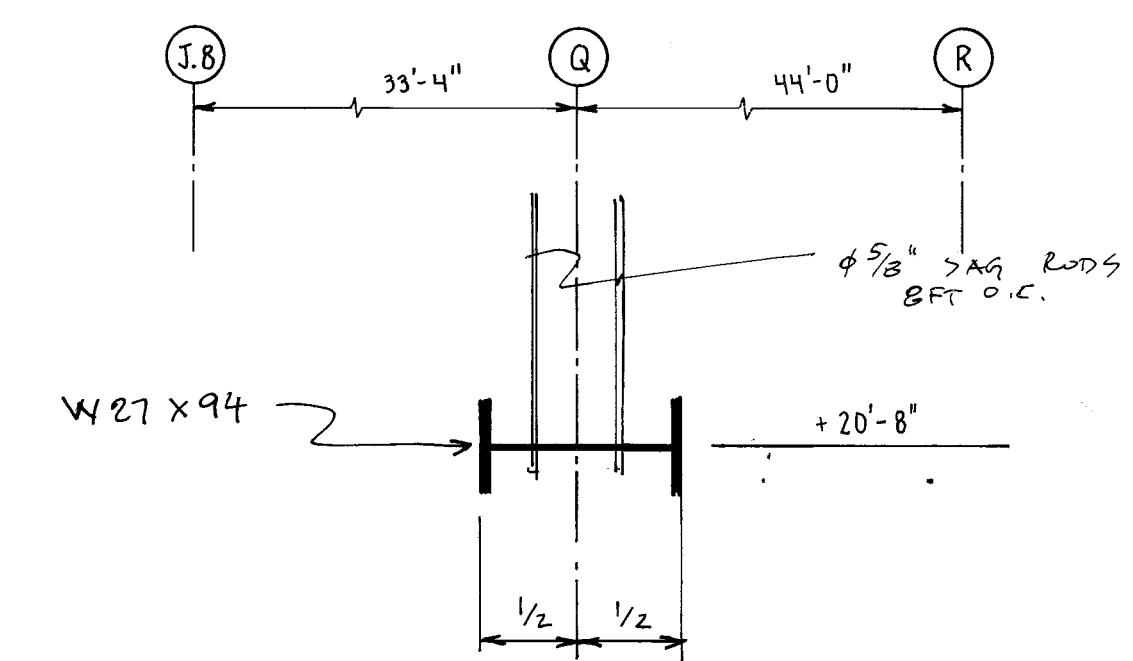
SECTION "C" (CUT FROM SHEET "52-12")
SCALE: 1/4" = 1'-0"



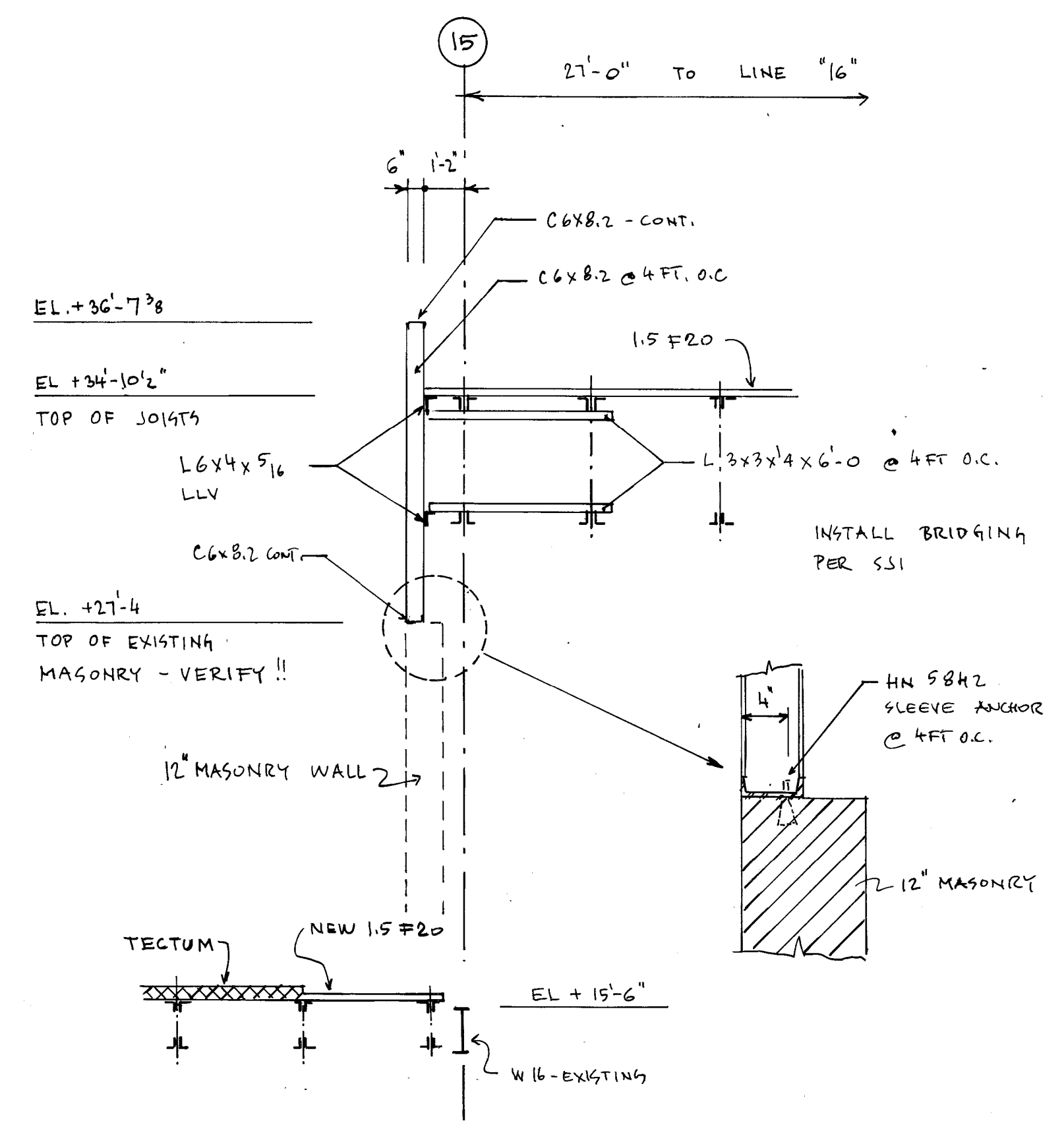
SECTION "B" (CUT FROM SHEET "52-12")
SCALE: 1/4" = 1'-0"



SECTION "A" (CUT FROM SHEET "52-3")
SCALE: 1/4" = 1'-0"



SECTION "F"
1/2" = 1'-0"



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

ADDITION TO and RENOVATION OF
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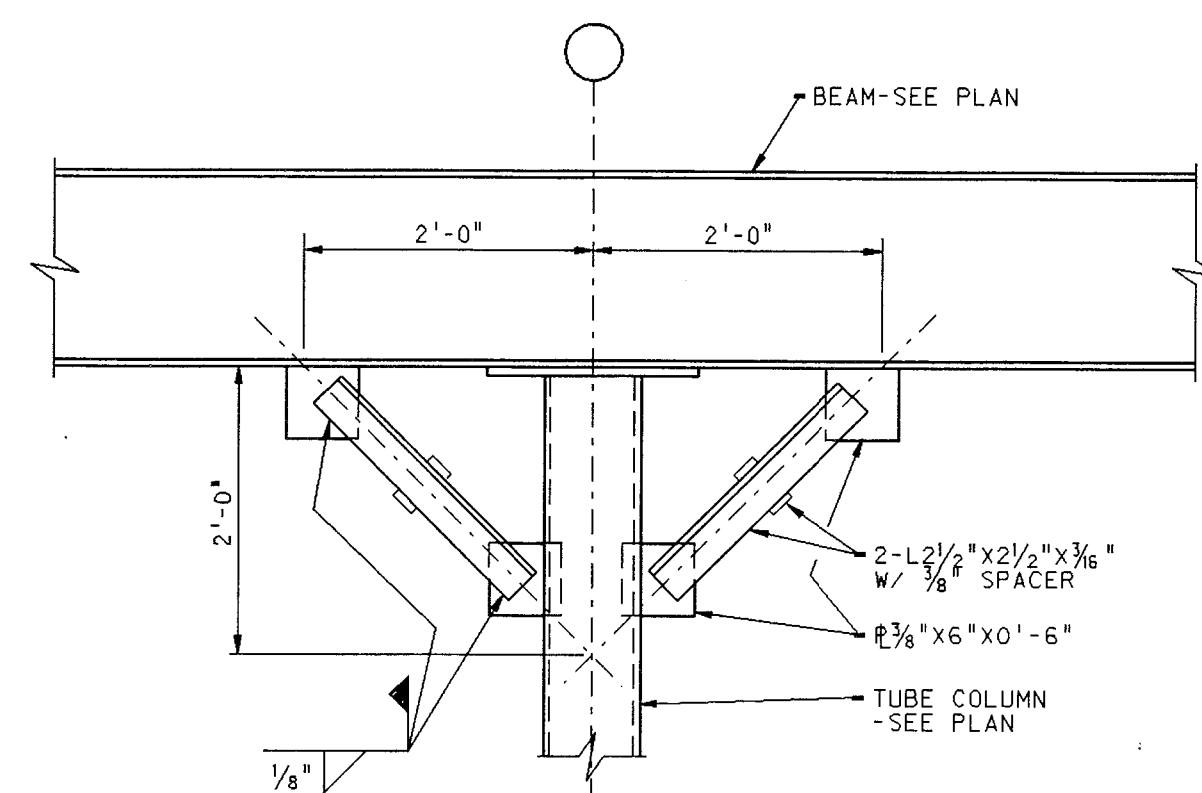
EVERETT I. BROWN Company
Architects & Engineers
950 N. MERIDIAN STREET, SUITE 200
INDIANAPOLIS, INDIANA 46204
(317) 237-7000

REGISTERED PROFESSIONAL ENGINEER
No. 20912
STATE OF INDIANA

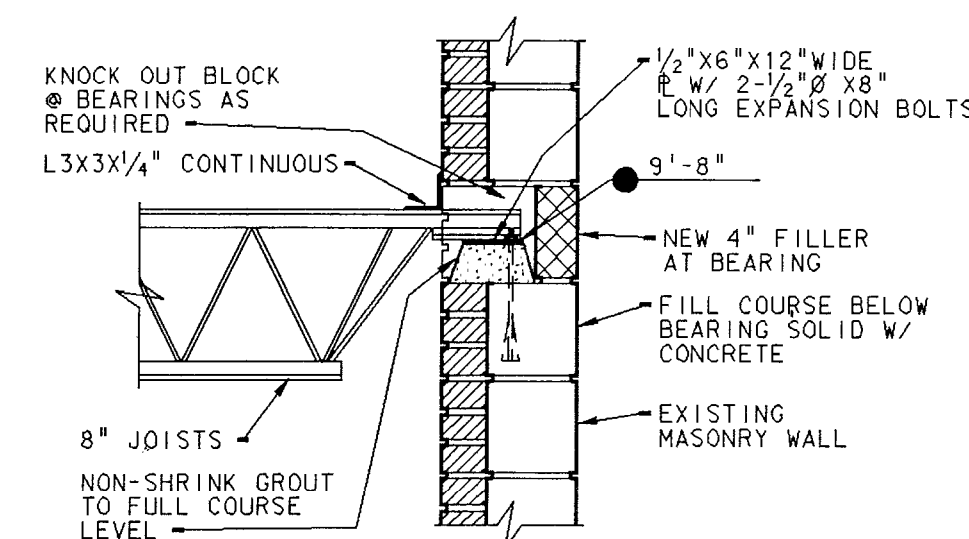
PROJECT 871-110
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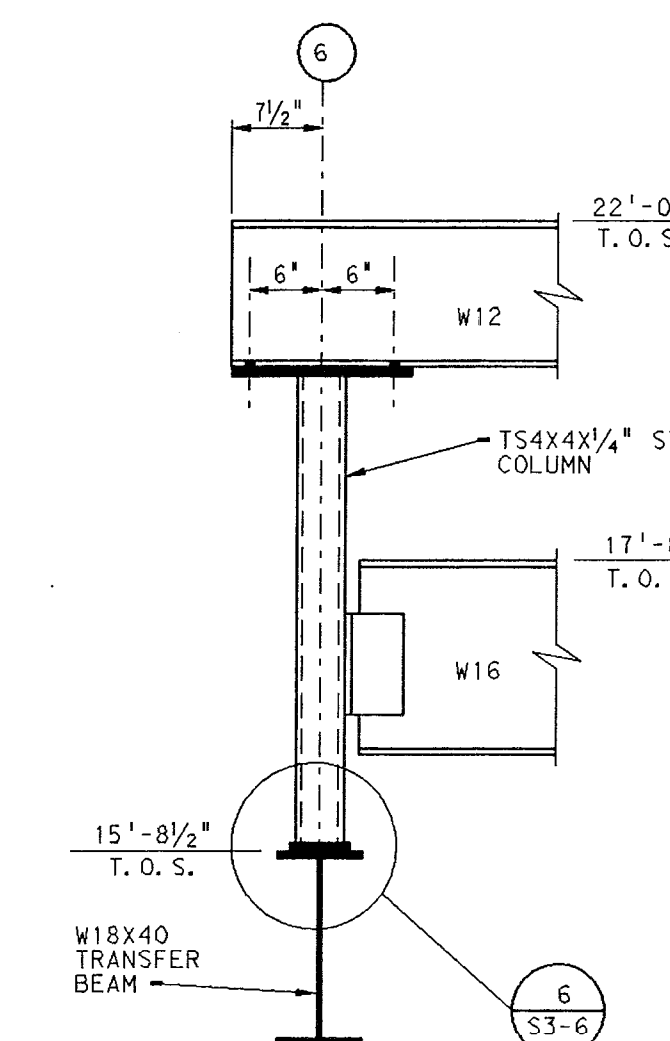
TYPE 2 WELDED MOMENT CONNECTIONS



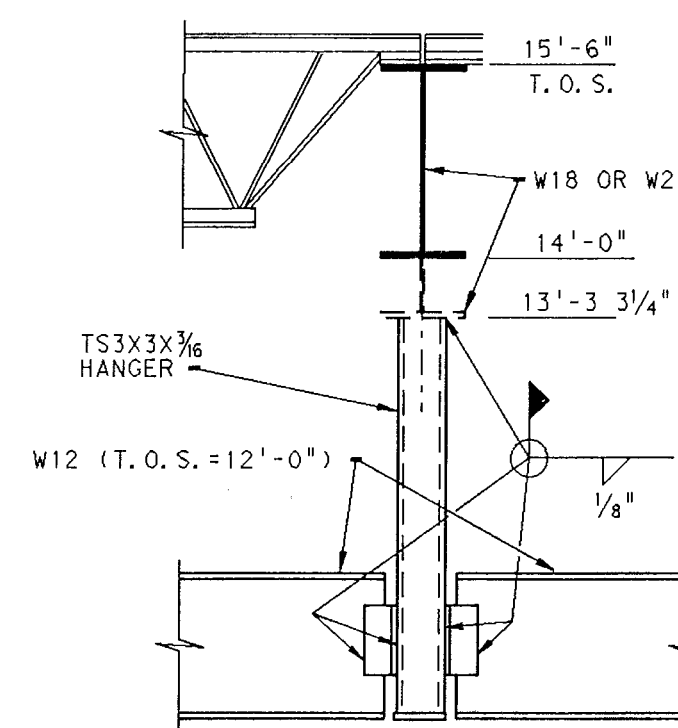
TYPICAL KNEE - BRACE DETAIL (KB2) 3
SCALE: 3/4" = 1'-0" S3-6



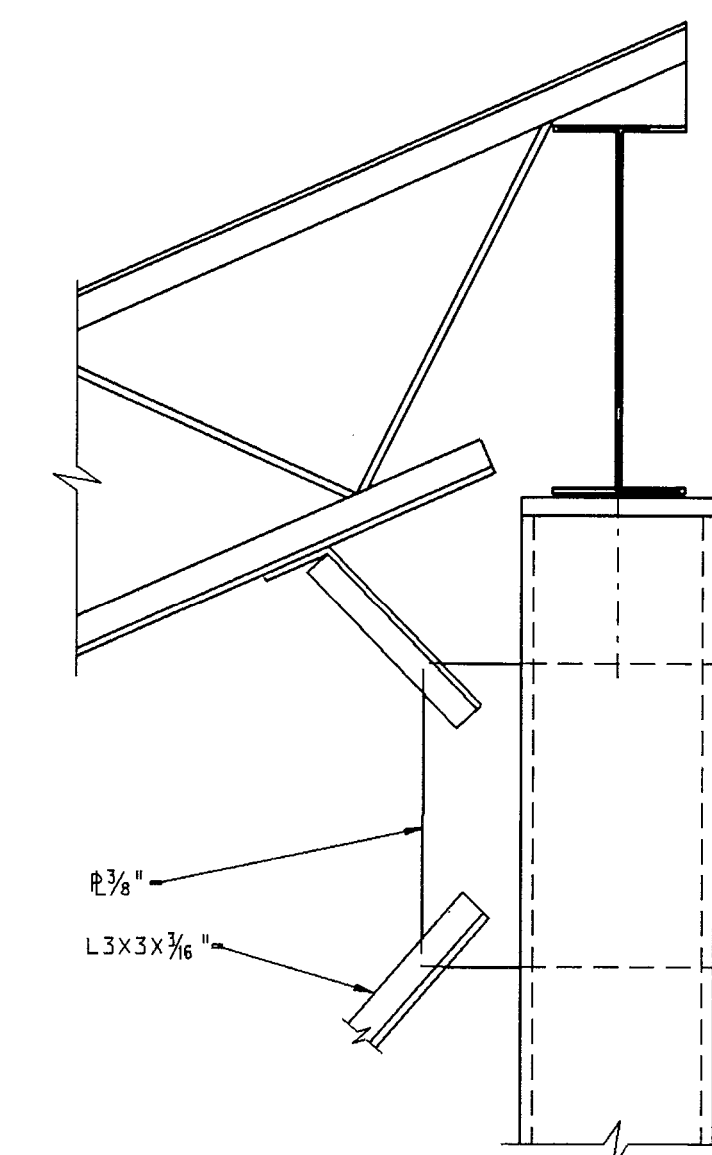
DETAIL 2
SCALE: 3/4" = 1'-0" S3-6



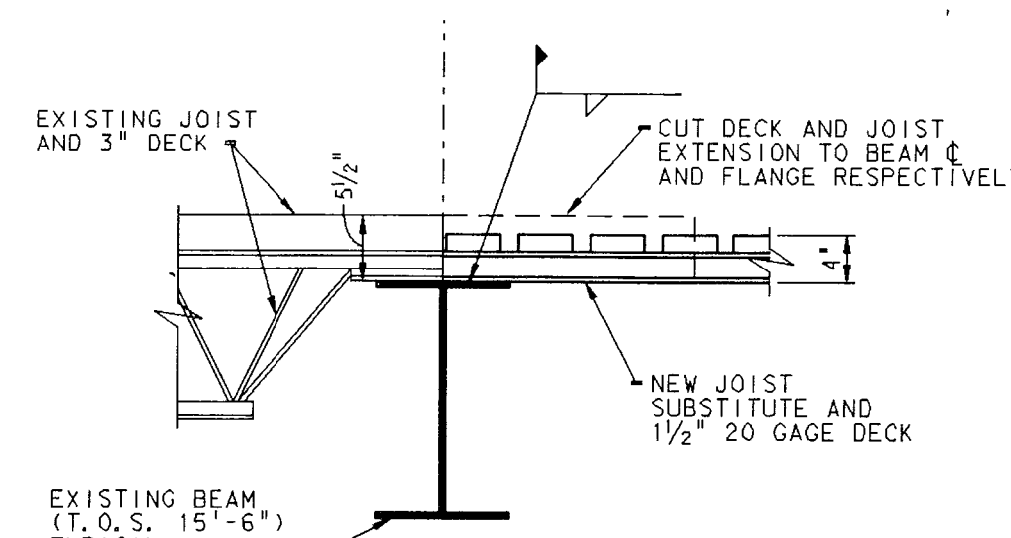
DETAIL 1
SCALE: $\frac{3}{4}'' = 1'-0''$ S3-6



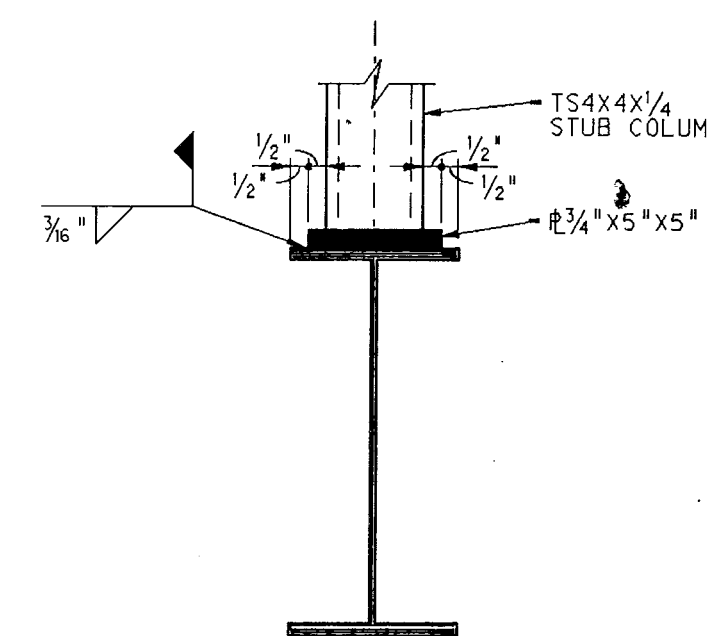
DETAIL 5
SCALE: $3/4" = 1'-0"$ S3-6



DETAIL
NOT TO SCALE

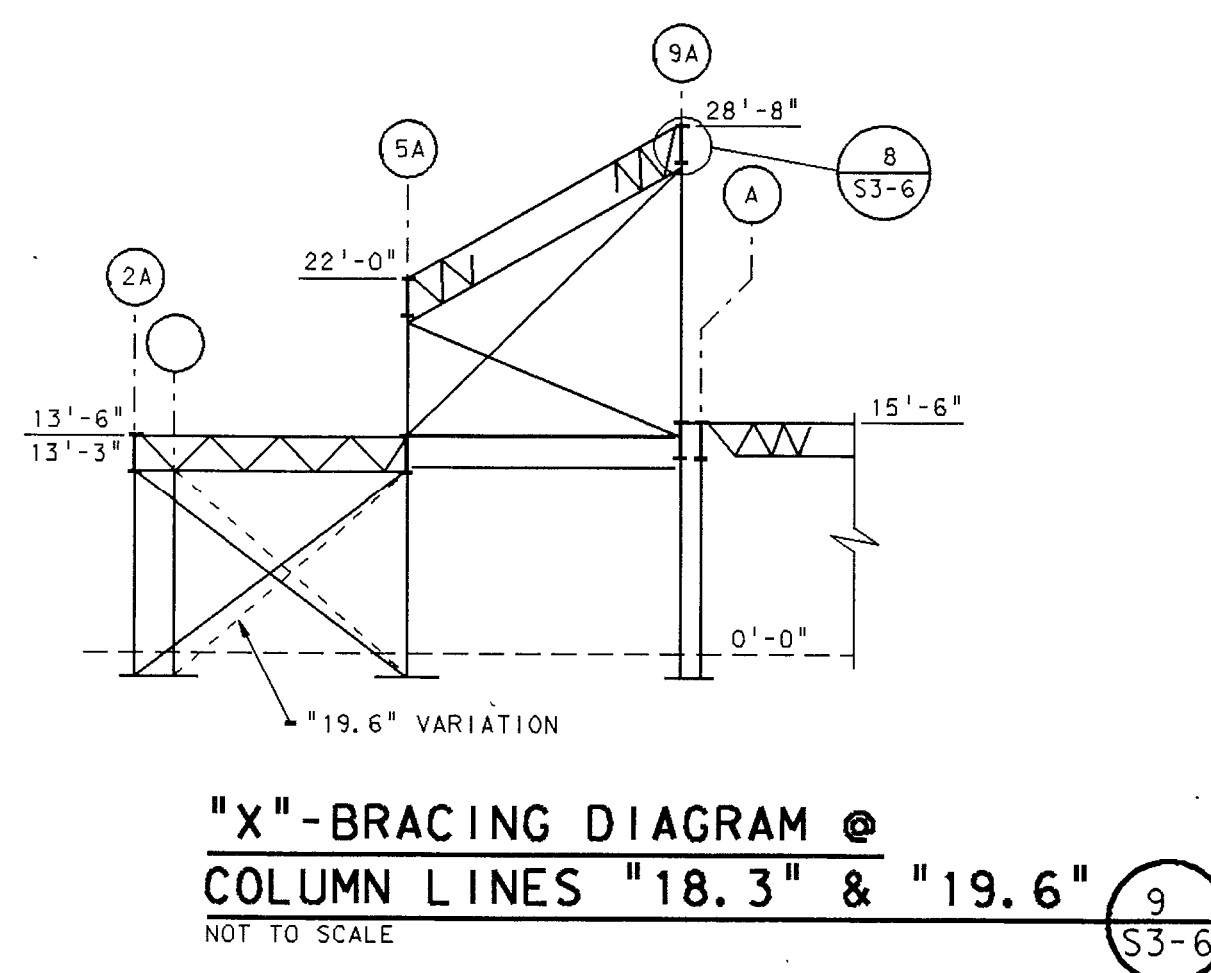


DETAIL
SCALE: 3/4" = 1'-0" 7
S3-6

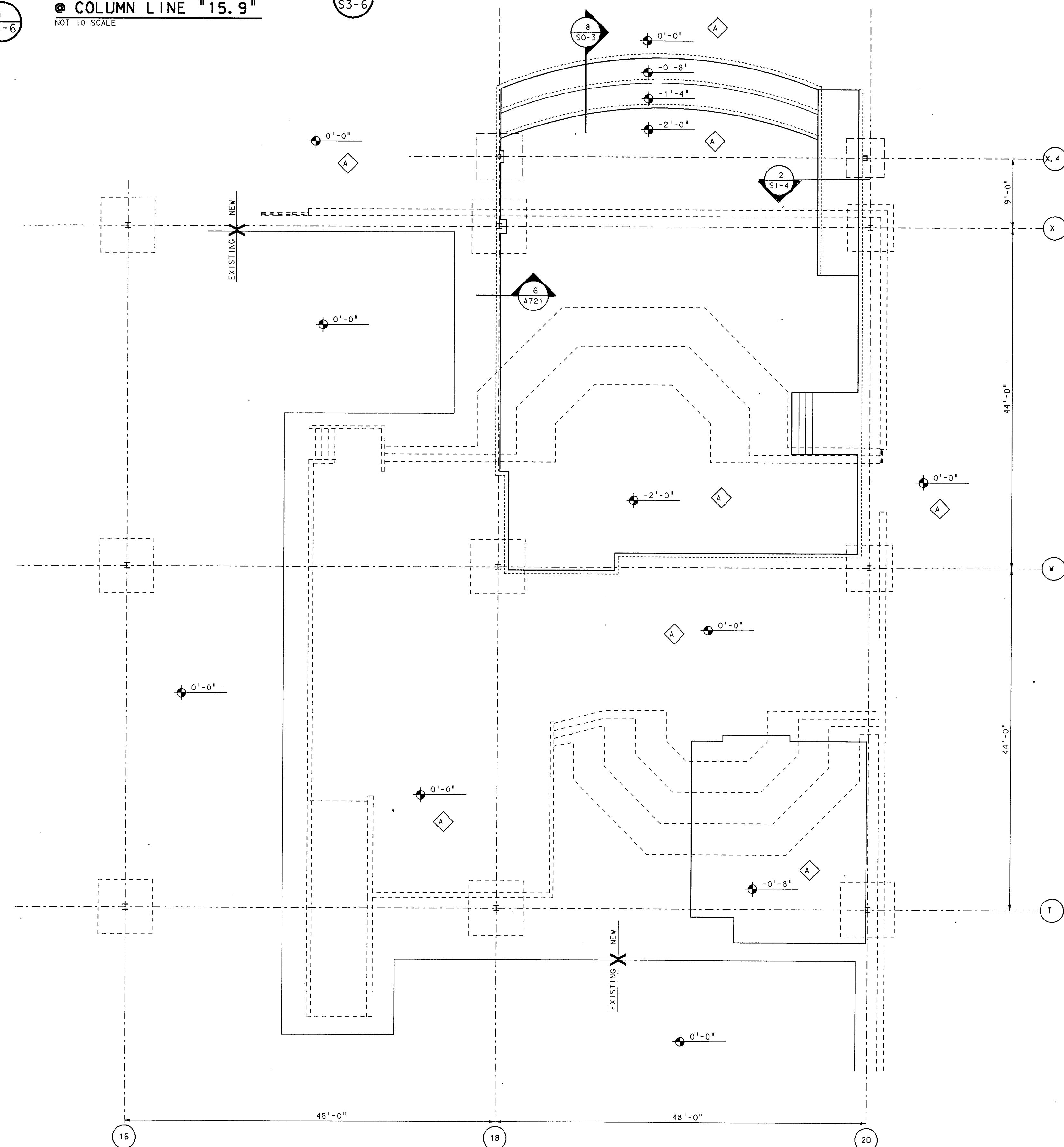
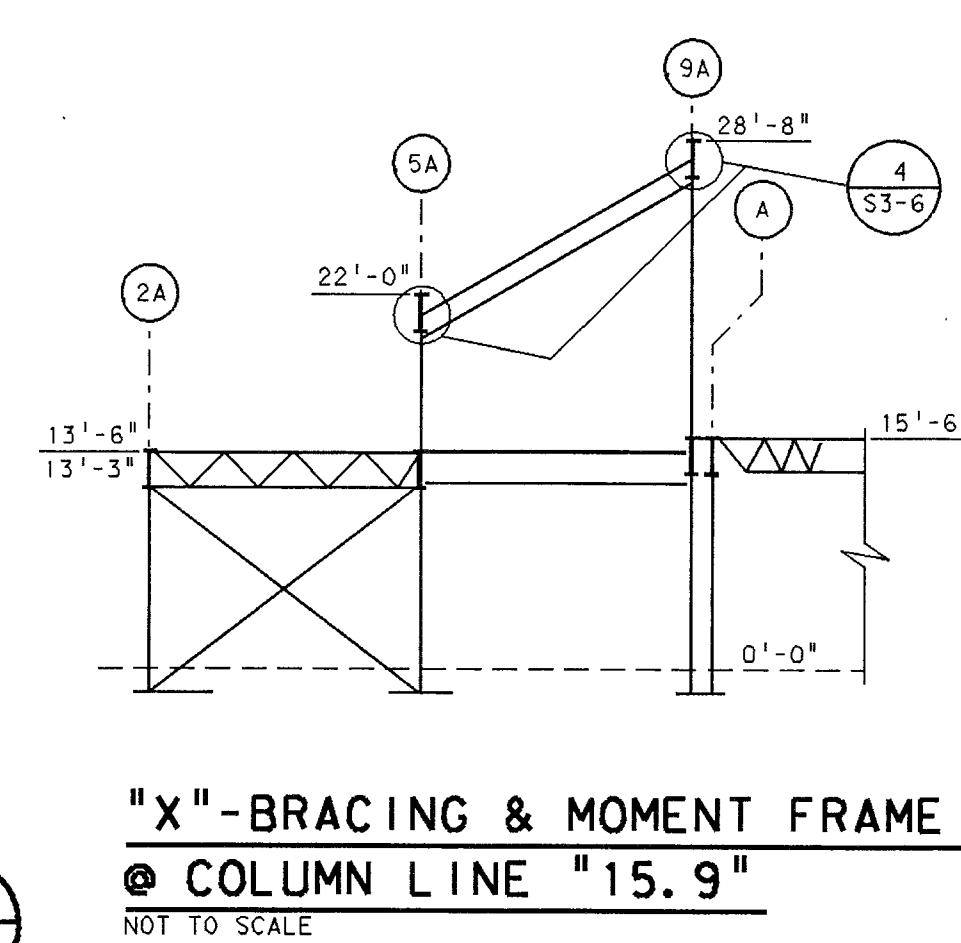


DETAIL

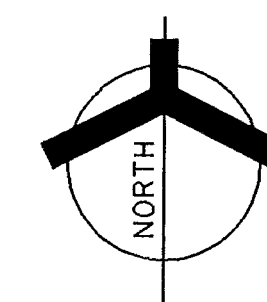
SCALE: $\frac{3}{4}'' = 1'-0''$



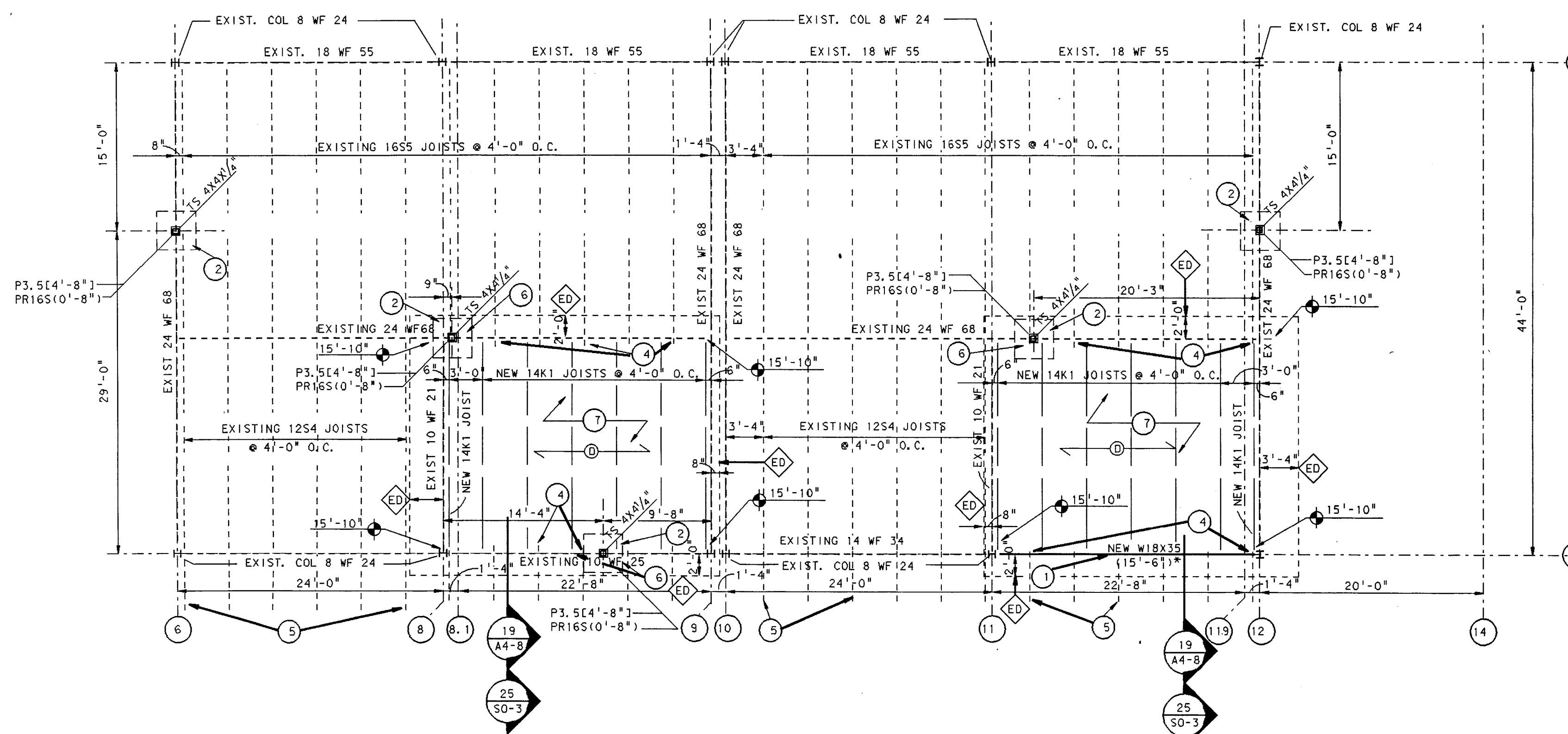
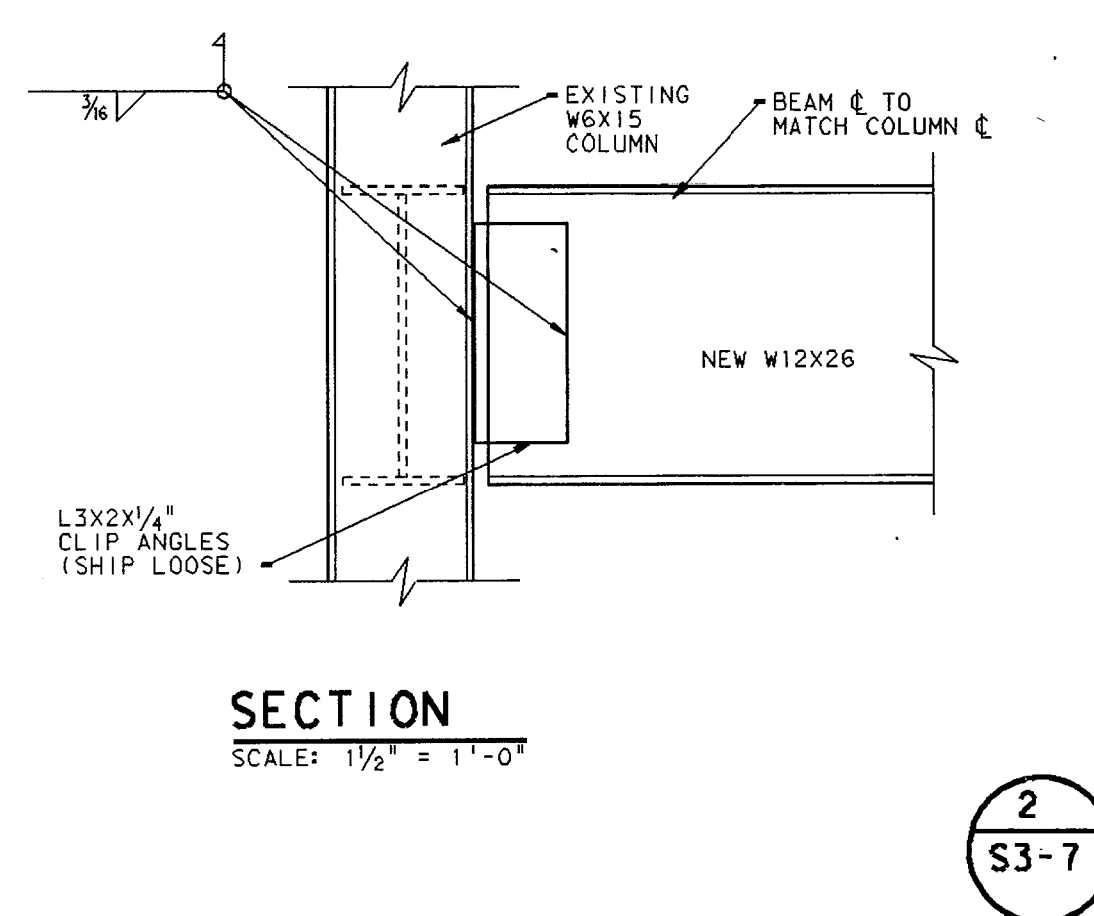
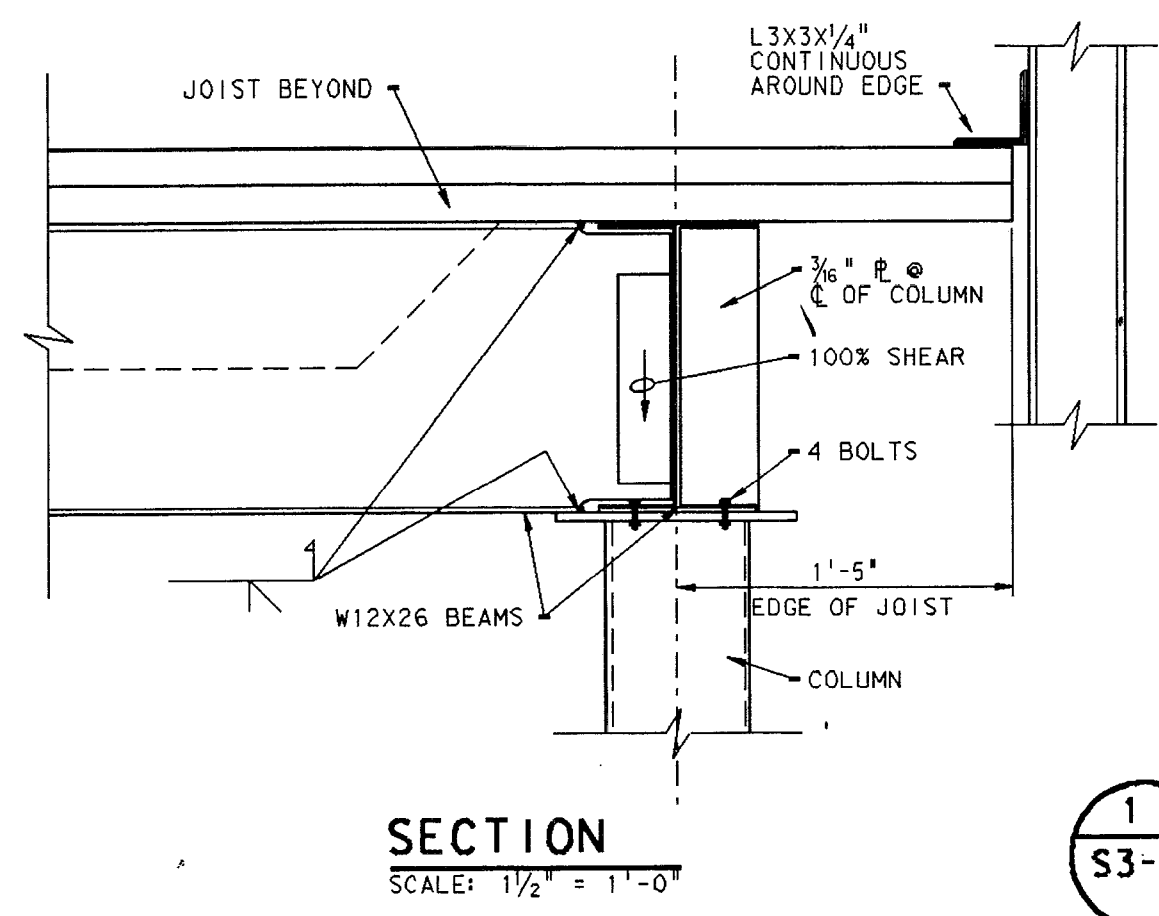
"X"-BRACING & MOMENT FRAME
@ COLUMN LINE "15.9"
NOT TO SCALE



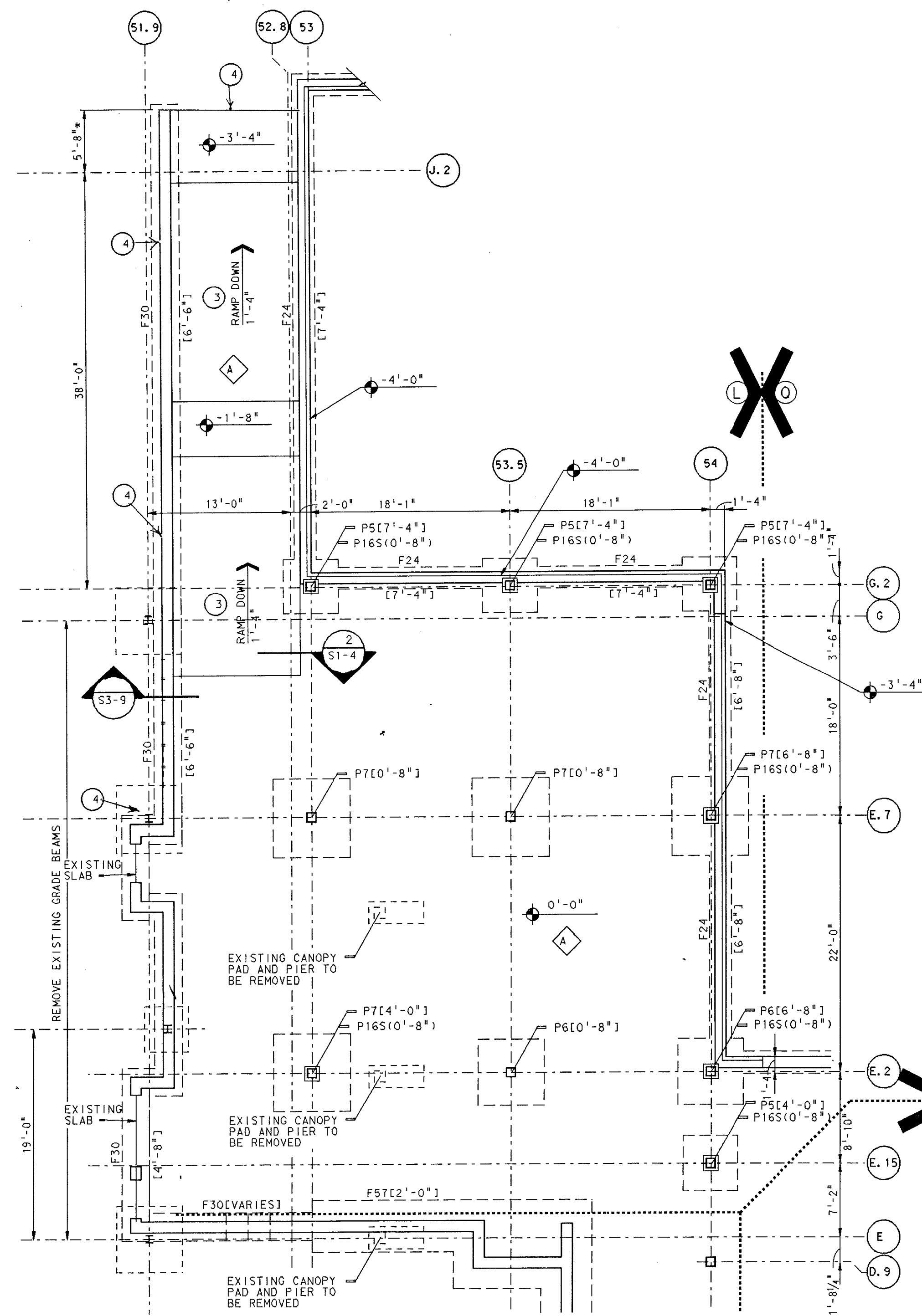
UNIT " J " PARTIAL
FOUNDATION PLAN



- PLAN NOTES (PARTIAL UNIT "J")**
- ① SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE & SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
 - ② TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=858.44'. ALL FOOTINGS, PAOS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
 - ③ SEE SHEET SI-2 FOR CONTINUATION OF NEW SLAB AND FOUNDATION.



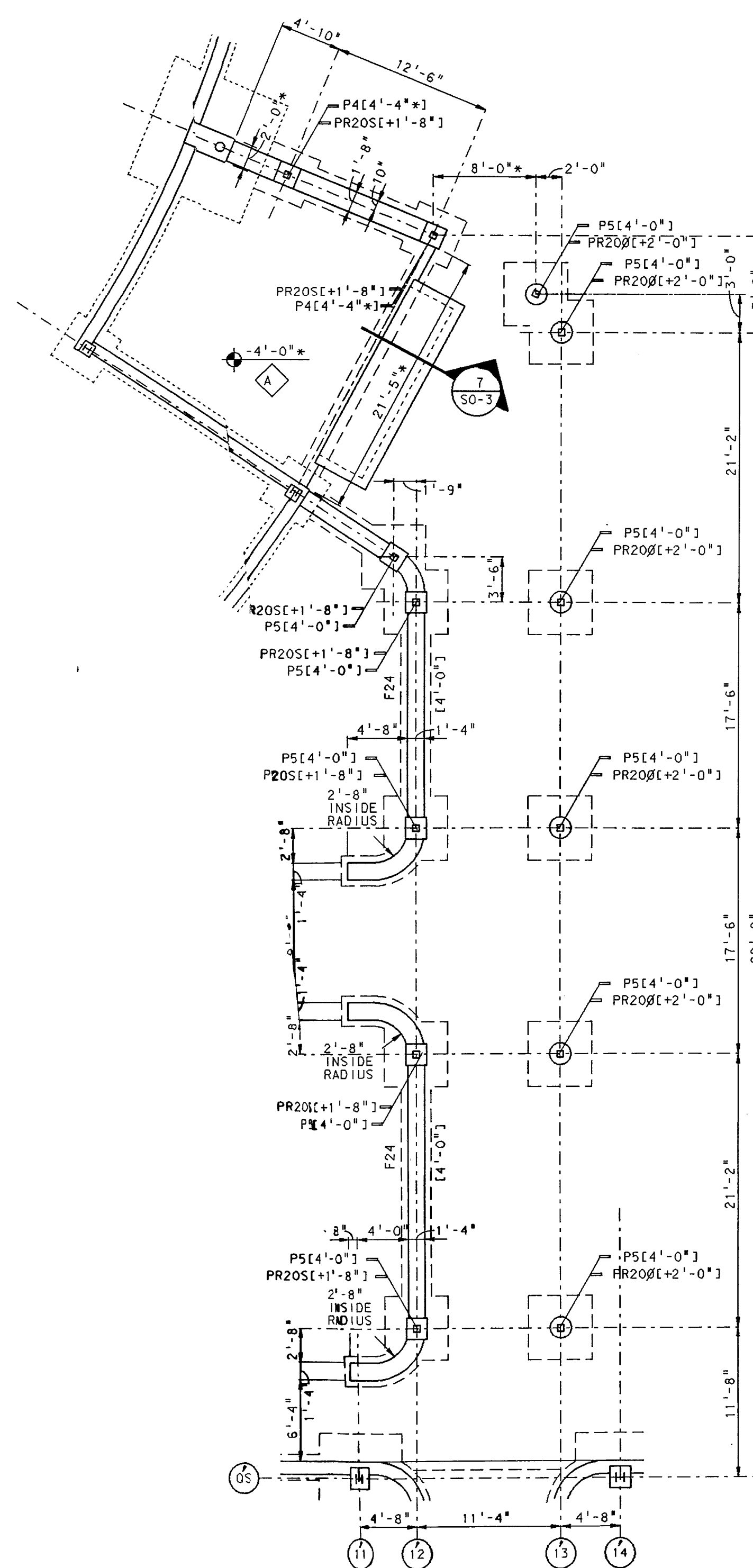
- PLAN NOTES (PARTIAL UNIT "E")
- REPLACE EXISTING 10 WF 25 BEAM WITH A NEW W18X35. SHORE EXISTING JOISTS DURING CONSTRUCTION.
 - PROVIDE COLUMN CAP PLATE 6"x6"x 1/2" SNUG TO BOTTOM FLANGE OF BEAM. WEDGE FOR INITIAL STRESS.
 - NEW FOOTING IS TO BE PLACED ON UNDISTURBED SOIL. PATCH EXISTING FLOOR SLAB AFTER INSTALLATION OF FOOTINGS.
 - EXISTING JOISTS AT COURTYARD HAVE 7" JOIST EXTENSIONS.
 - EXISTING 1454 JOISTS CONTINUE INTO NEXT BAY.
 - VERIFY LOCATION OF EXISTING GRADE BEAM. REMOVE PORTION OF GRADE BEAM AS REQUIRED TO ACCOMMODATE THE CONSTRUCTION OF THE CONCRETE PIER AND PAD.
 - PROVIDE TYPE 1 SLAB OVER REQUIRED FILL TO MATCH FINISHED FLOOR ELEVATION OF 0'-0".
 - SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE & SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
 - TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=858.44'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".



UNIT "L" PARTIAL FOUNDATION PLAN

PLAN NOTES (PARTIAL UNIT "L")

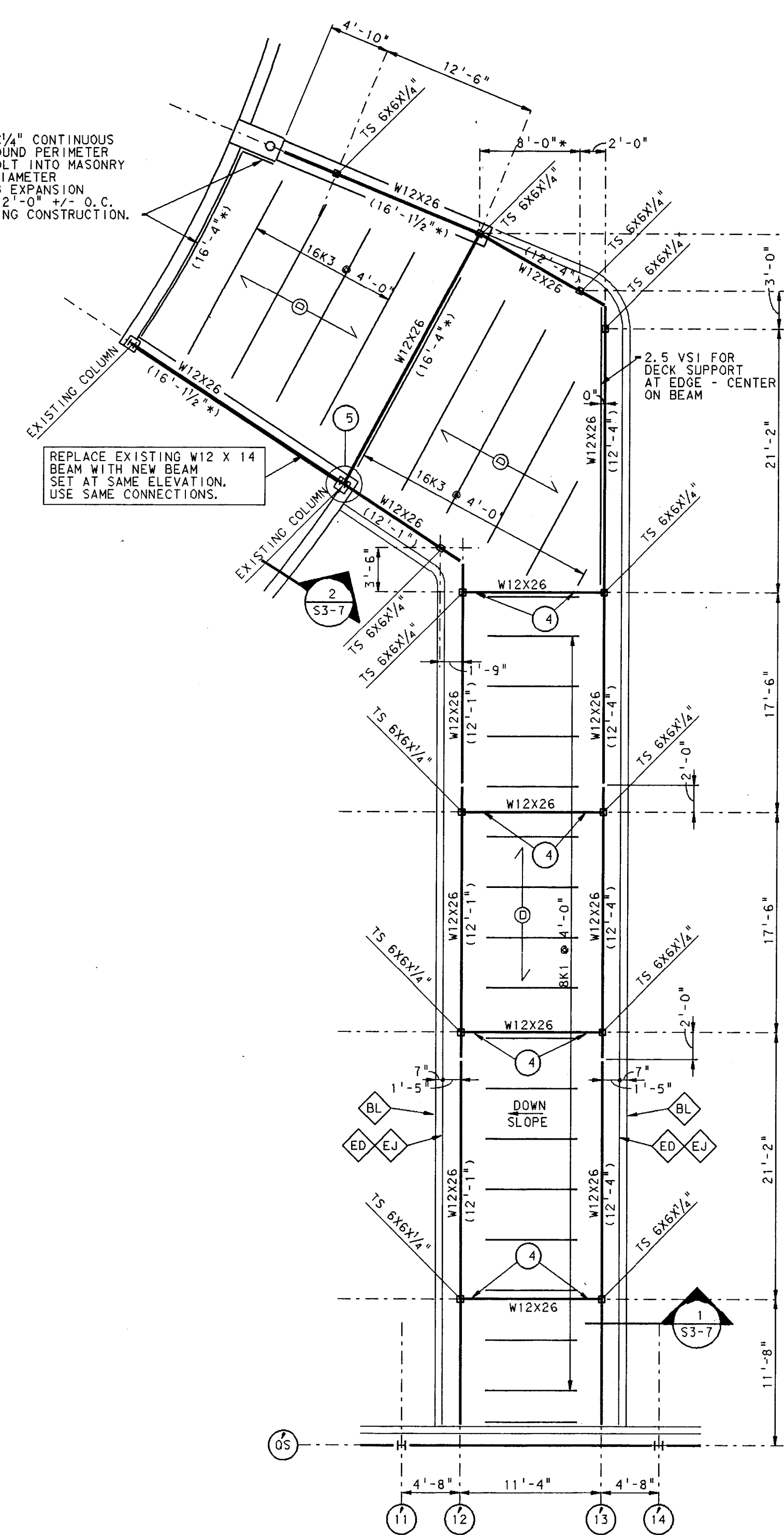
- SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE & SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
- TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=858.44'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND RUNS OF RAMPS.
- INDICATES EXTENT OF EXISTING STRUCTURE.



UNIT "R" CANOPY FOUNDATION AND FRAMING PLAN

PLAN NOTES (UNIT "R" CANOPY PLAN)

- SEE SHEET SO-3 FOR SLAB SCHEDULE, FOOTING SCHEDULE, COLUMN BASE & SIZES, GENERAL FOUNDATION NOTES, STRUCTURAL LEGEND AND TYPICAL DETAILS.
- TYPICAL FIRST FLOOR ELEVATION IS 0'-0"=858.44'. ALL FOOTINGS, PADS, PIER TOPS, SLABS AND BEAMS ARE ABOVE OR BELOW ELEVATION OF 0'-0".
- + INDICATES TOP OF PIER IS ABOVE REFERENCE ELEVATION 0'-0".
- SLOPE BEAMS FROM (12'-4") TO (12'-1").
- FABRICATOR TO FURNISH REQUIRED PLATES AND ANGLES FOR CONNECTION OF NEW BEAMS TO EXISTING COLUMNS. FIELD VERIFY ACTUAL CONDITIONS.



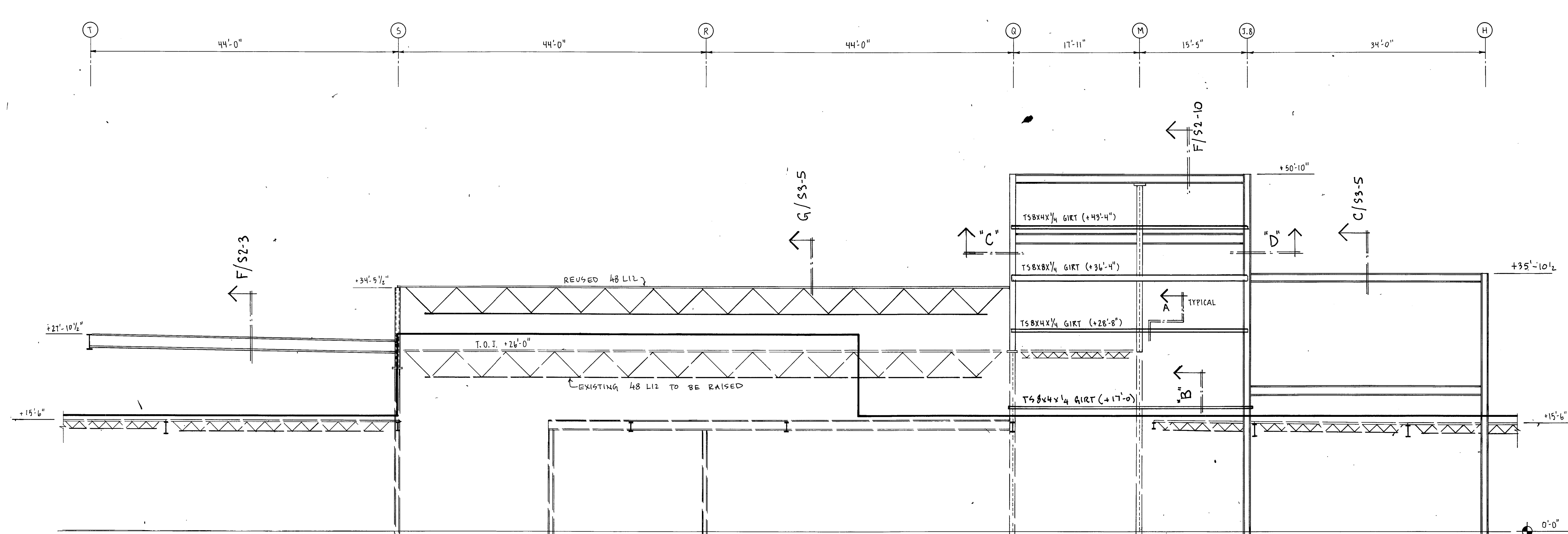
ADDITION TO and RENOVATION OF
LAWRENCE CENTRAL HIGH SCHOOL
for the METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP
MARION COUNTY, INDIANA

EVERETT I. Company
Ed Brown
Architects & Engineers
950 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46204
(317) 231-1000

SCOTT R. BROWN
REGISTERED
NO. 20912
STATE OF INDIANA
PROFESSIONAL ENGINEER

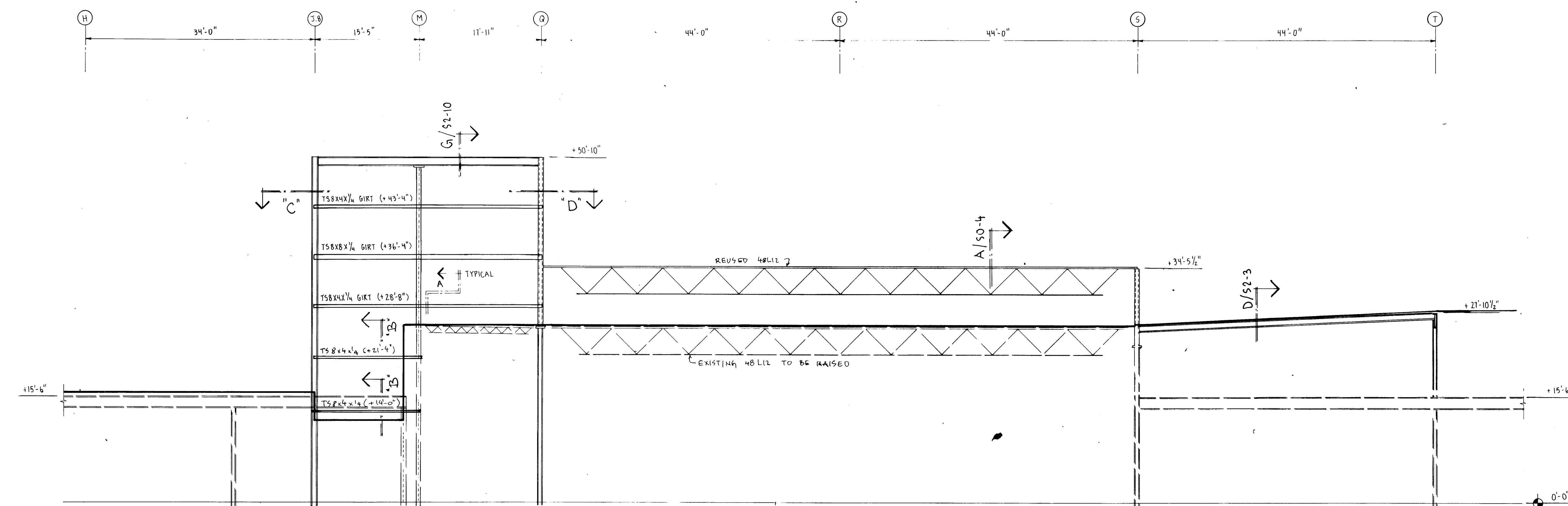
PROJECT
871-110
DATE
DEC. 18, 1989
REVISED

NO. S3-7
OF 9



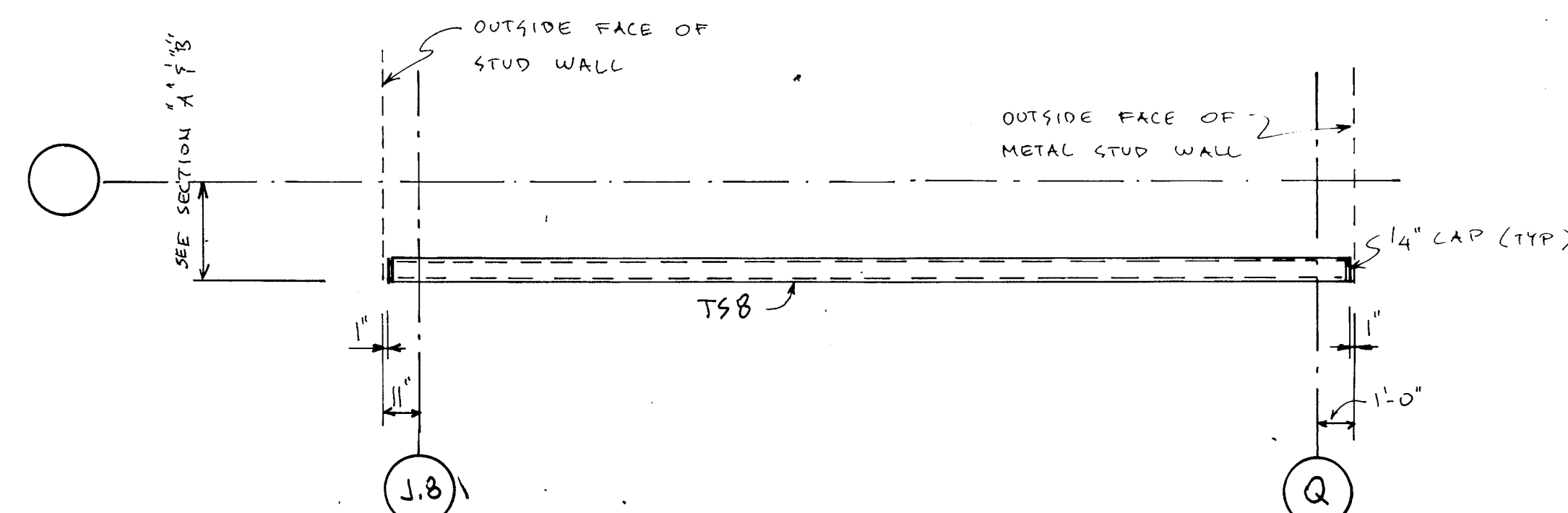
WEST ELEVATION - LINE 15

SCALE: 1/8" = 1'-0"



EAST ELEVATION - LINE 20

SCALE: 1/8" = 1'-0"

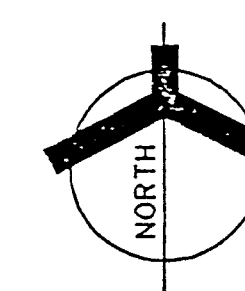
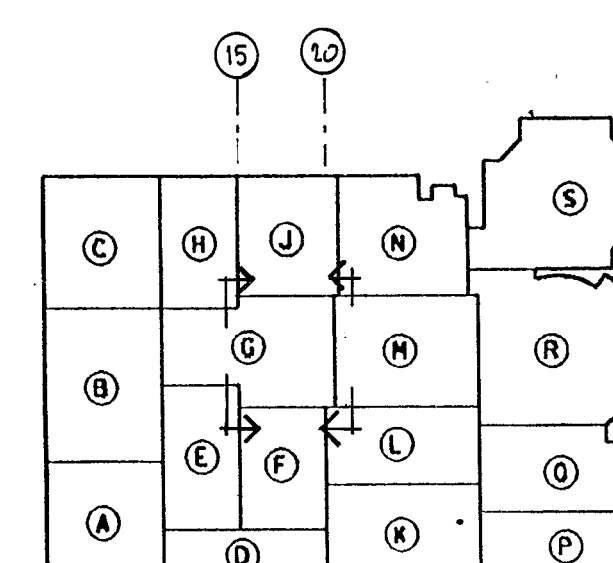
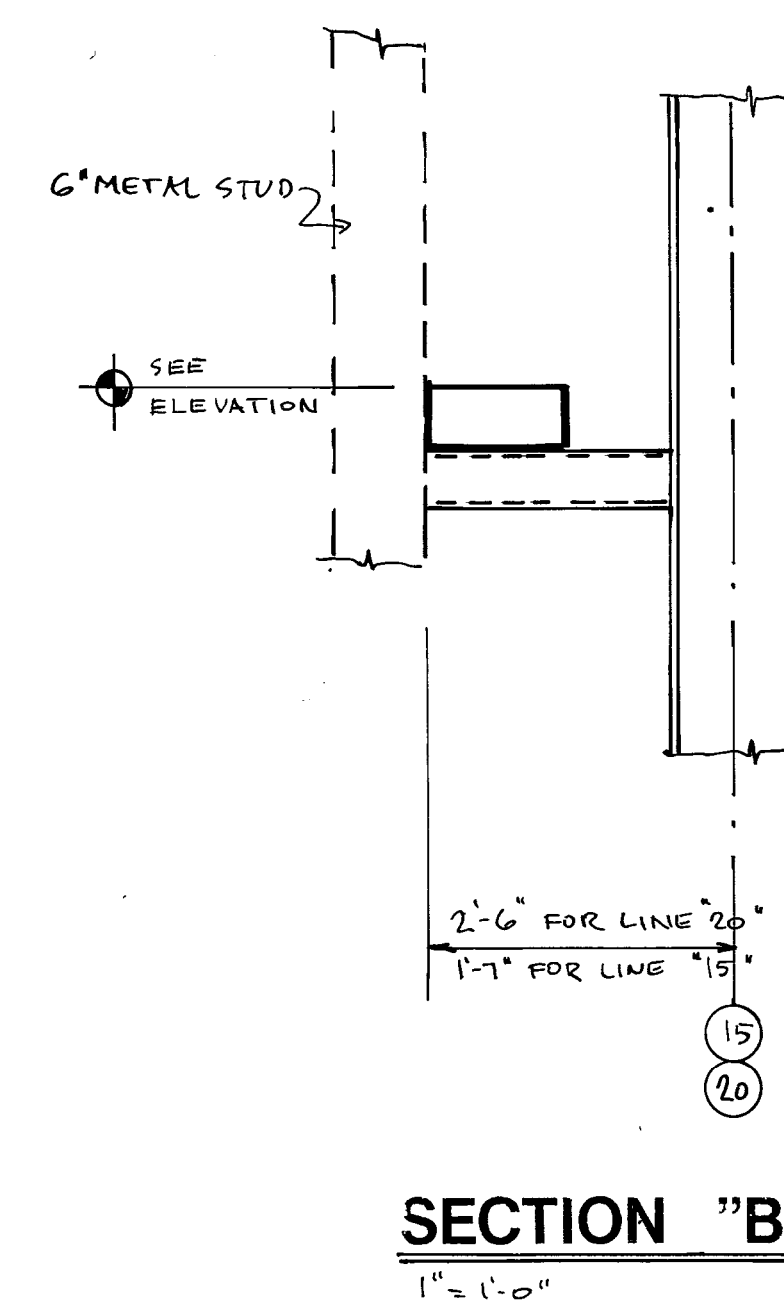
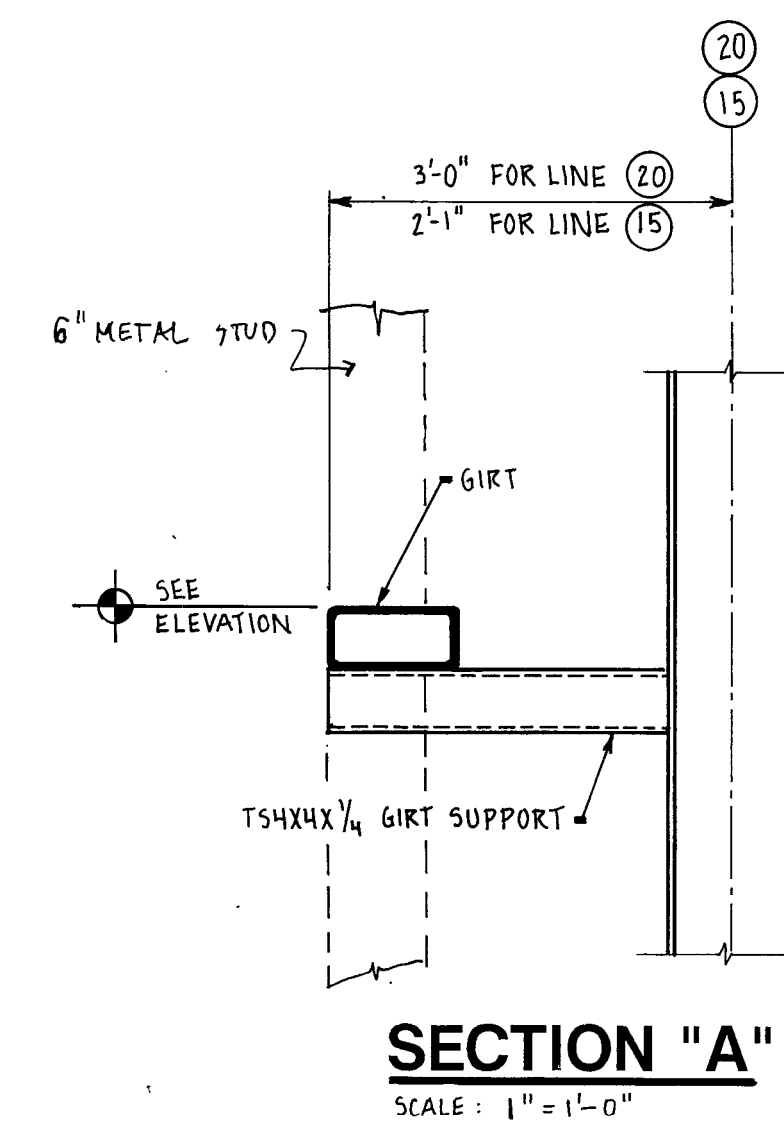


SECTION "C"

1/4" = 1'-0"

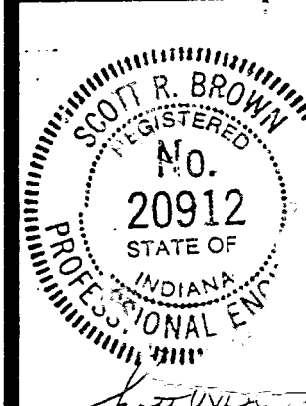
SECTION "D"

1/4" = 1'-0"



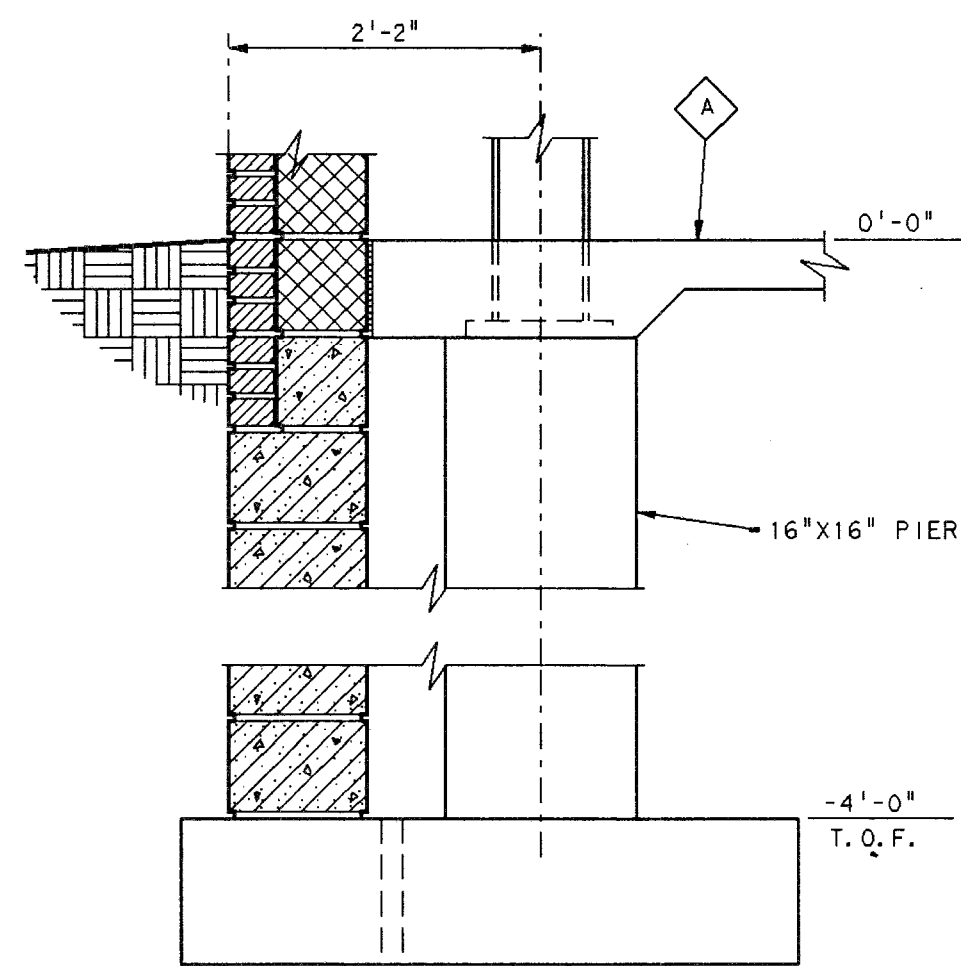
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MARION COUNTY, INDIANA

EVERETT L. BROWN Company
Architects & Engineers
850 N. MERIDIAN STREET, SUITE 200
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(317) 237-7030

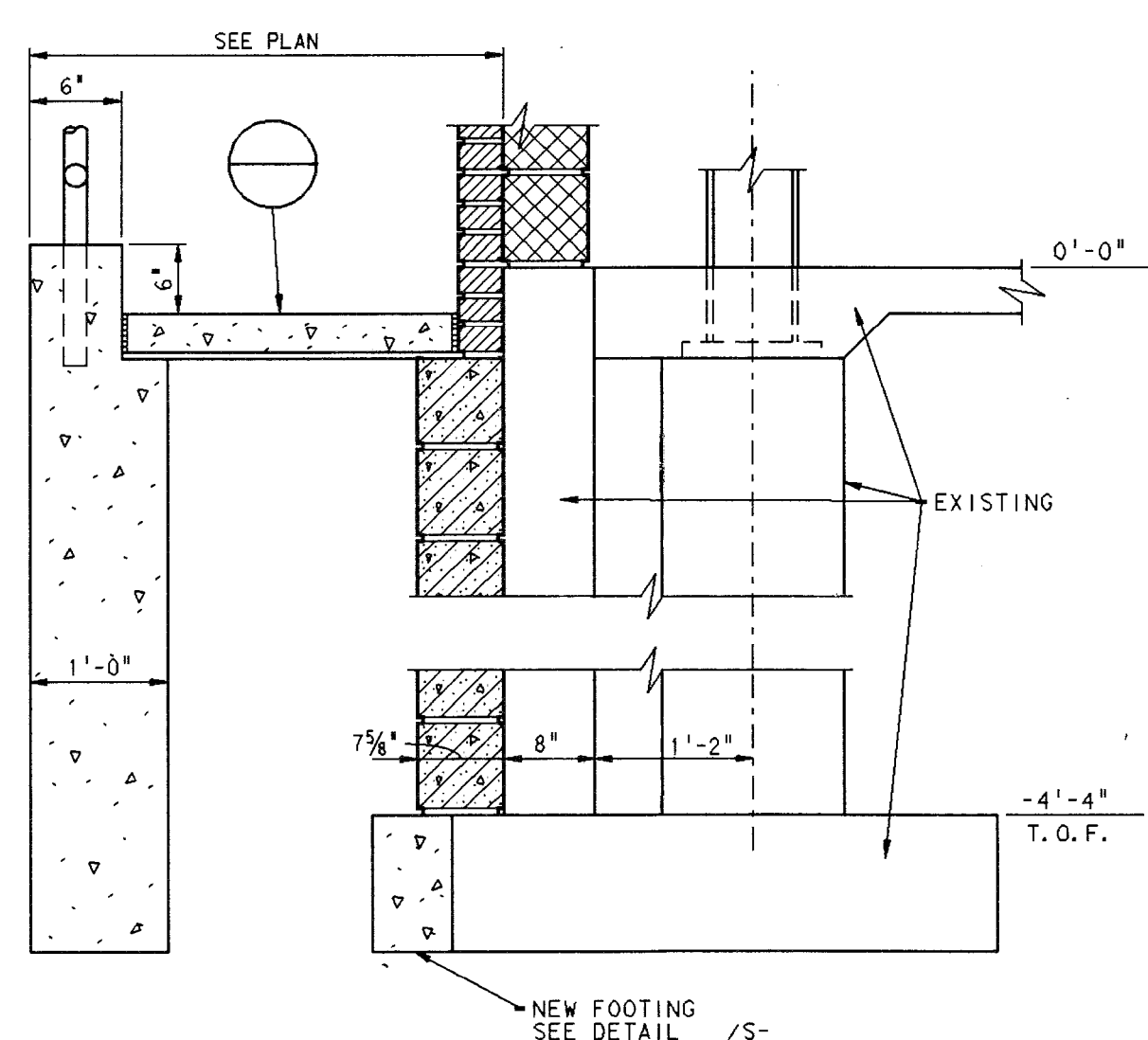


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871-110
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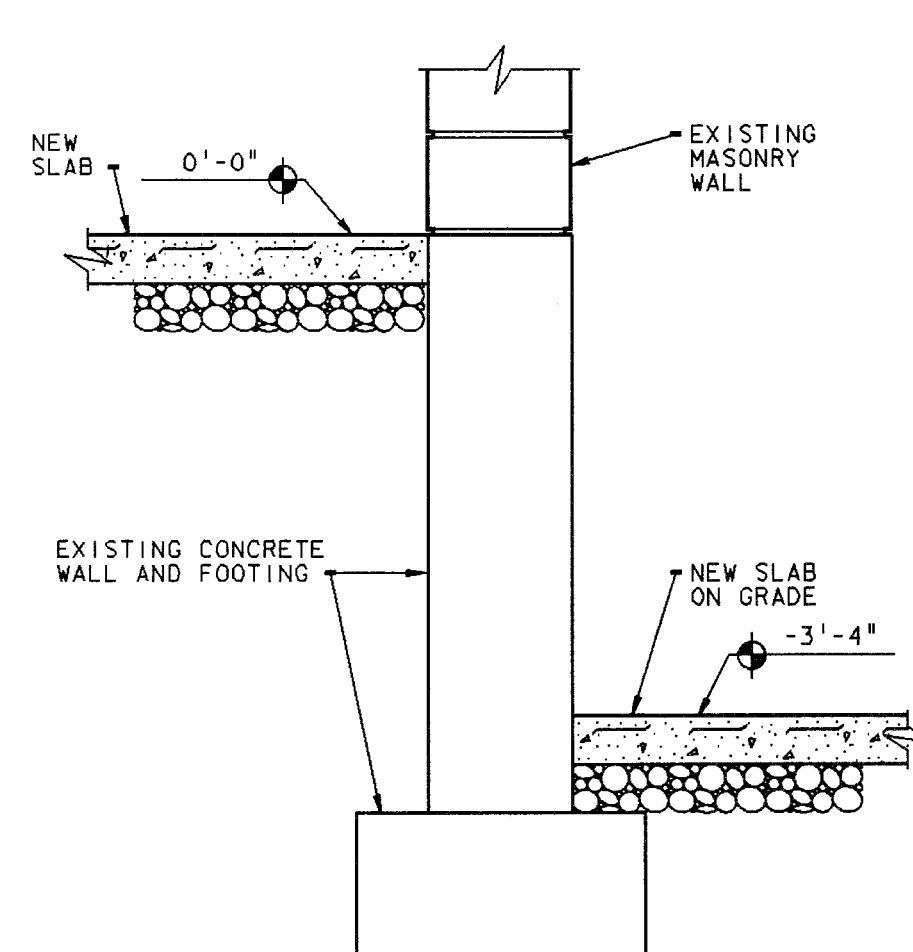
NO. S3-8
OF 9



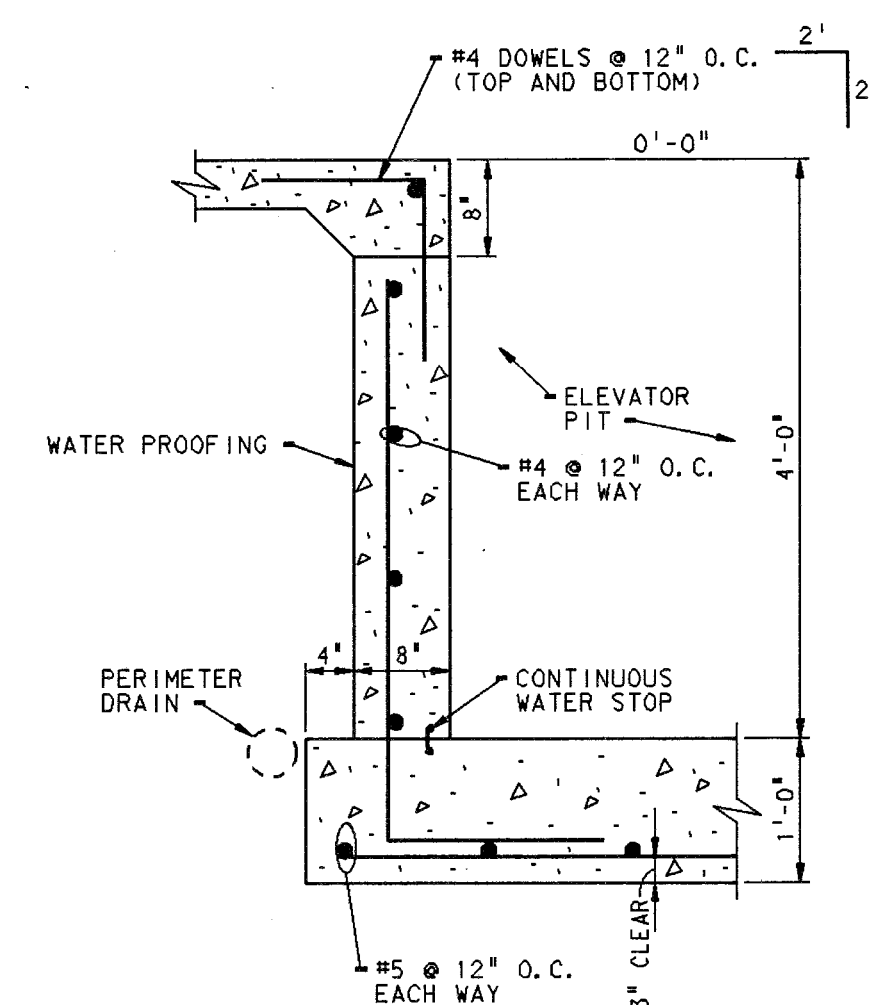
DETAIL 1
SCALE: 3/4" = 1'-0"



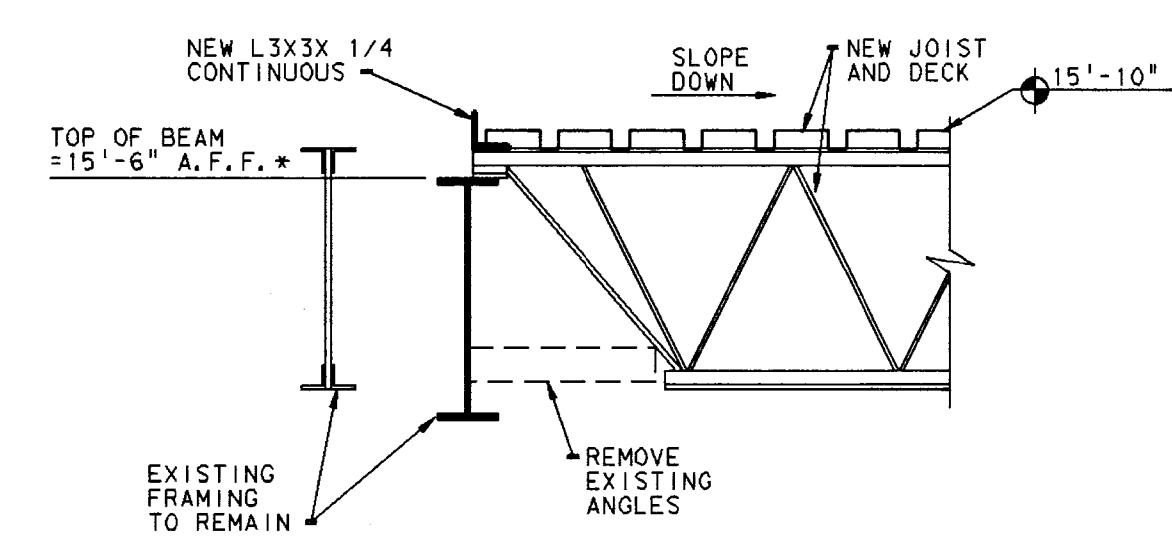
DETAIL 2
SCALE: 3/4" = 1'-0"



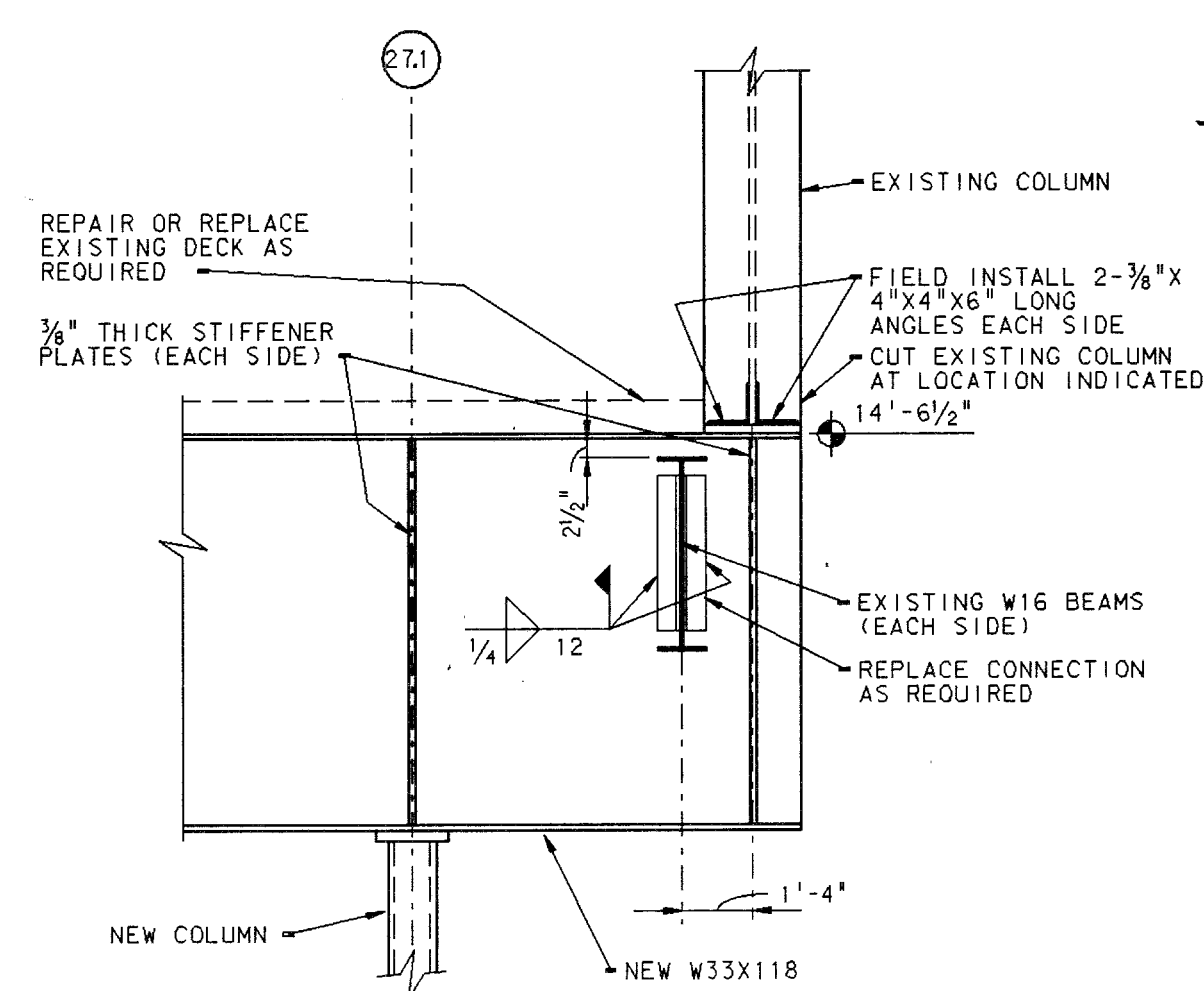
DETAIL 3
SCALE: 3/4" = 1'-0"



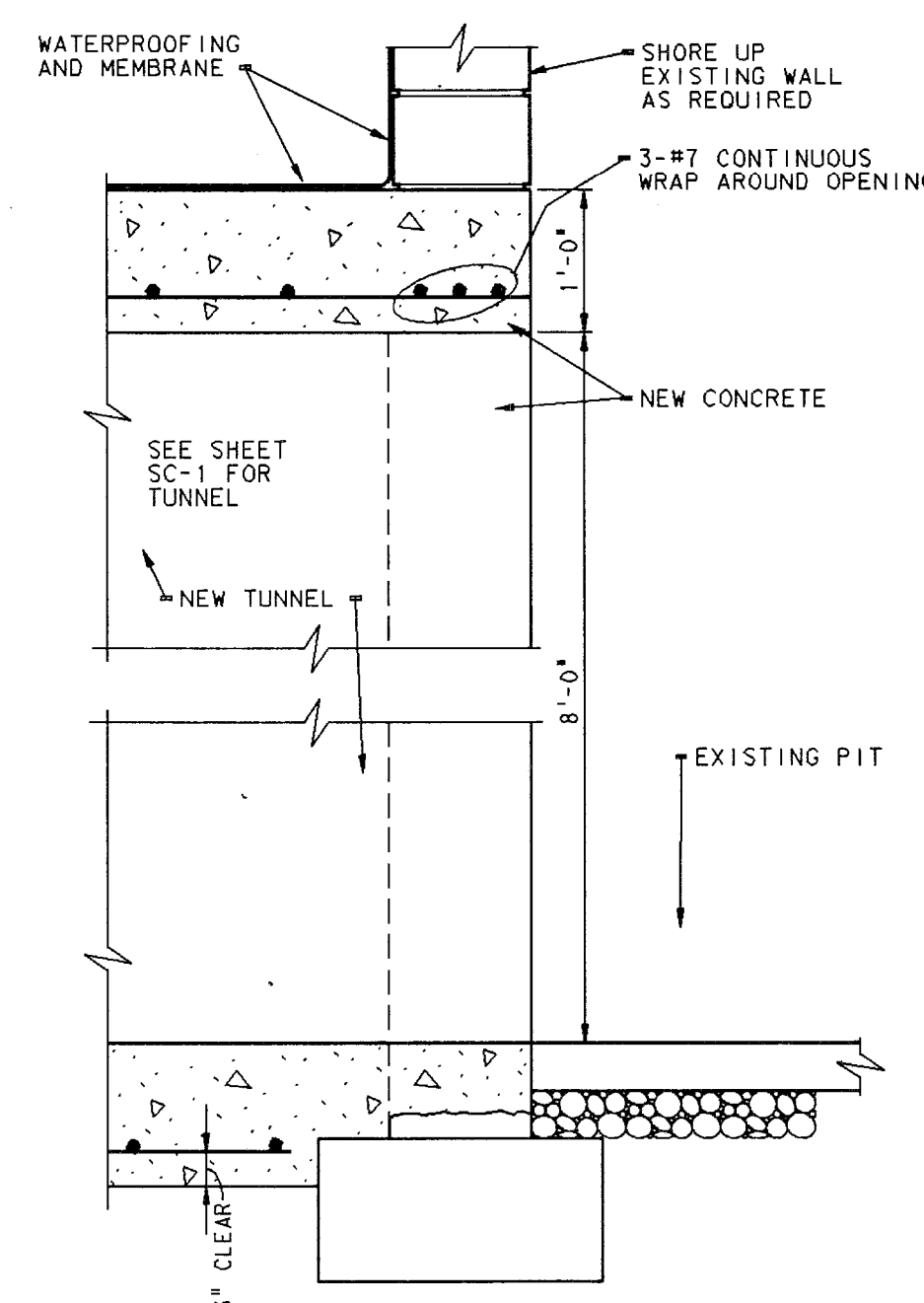
DETAIL 4
SCALE: 3/4" = 1'-0"



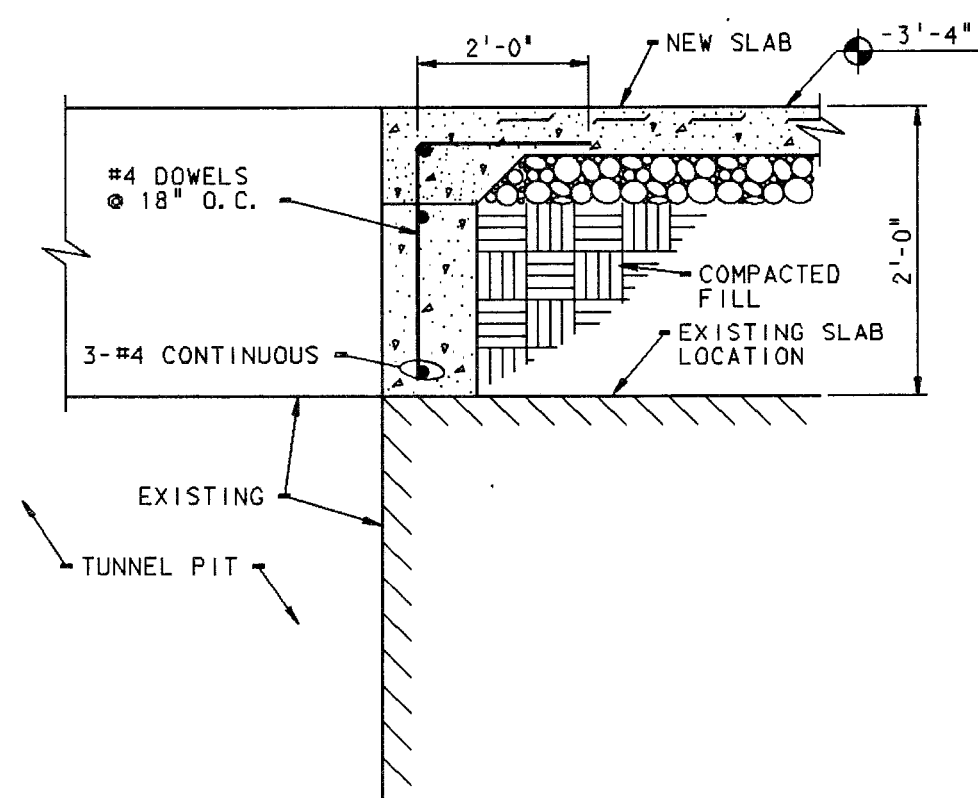
DETAIL 5
SCALE: 3/4" = 1'-0"



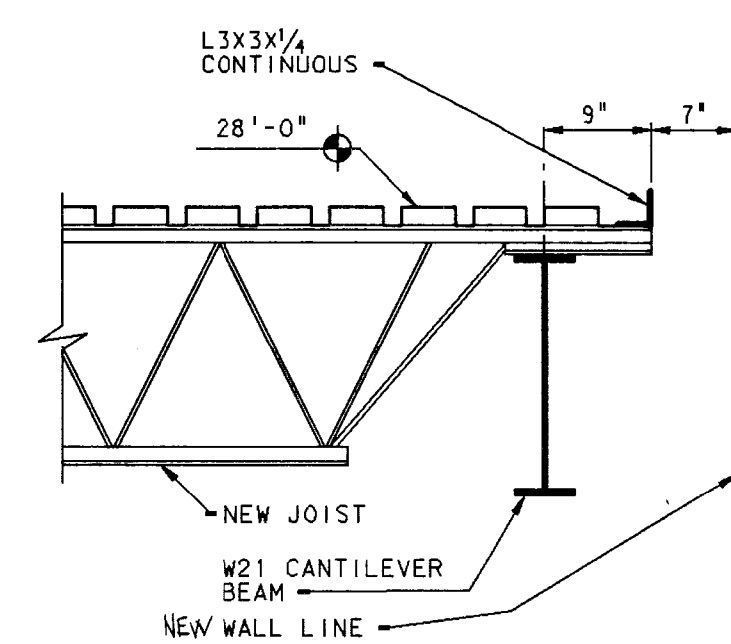
DETAIL 6
SCALE: 3/4" = 1'-0"



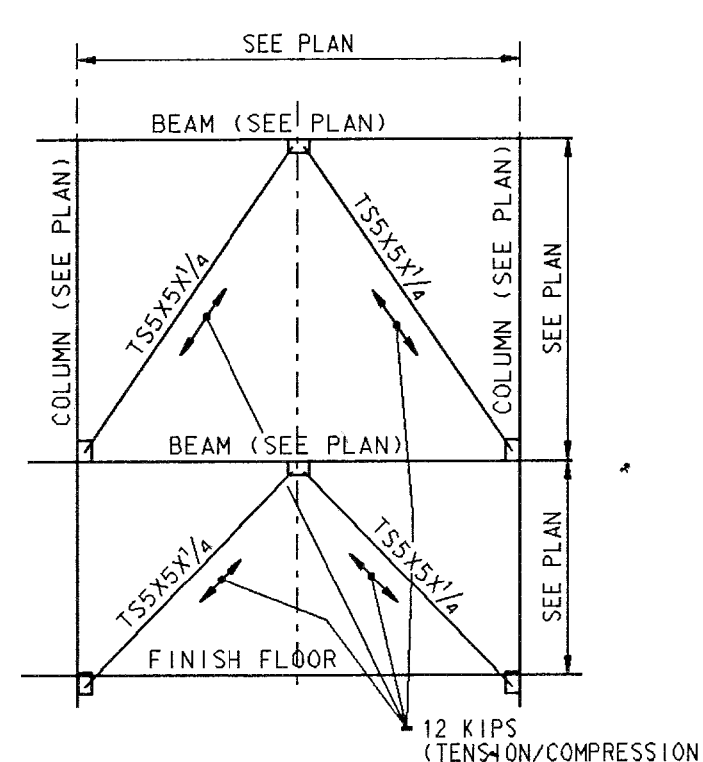
DETAIL 7
SCALE: 3/4" = 1'-0"



DETAIL 8
SCALE: 3/4" = 1'-0"



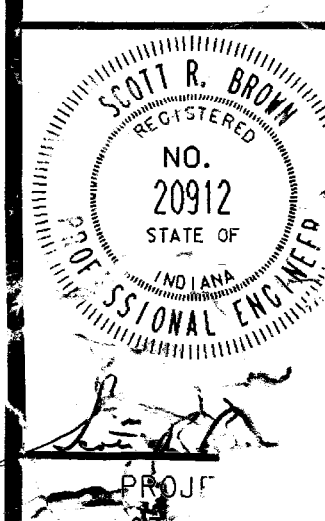
DETAIL 9
SCALE: 3/4" = 1'-0"



DETAIL 10
SCALE: 3/4" = 1'-0"

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