



ALBUQUERQUE CONVENTION CENTER

RENOVATION AND EXPANSION



HOLMES
SABATINI
EEDS

STEVENS, MALLORY, PEARL & CAMPBELL, ARCHITECTS
115 Amherst SE, Albuquerque, N.M. 87106 505-255-8668

PHASE 1 PARKING STRUCTURE & UTILITIES

CITY OF ALBUQUERQUE PROJECT #2736

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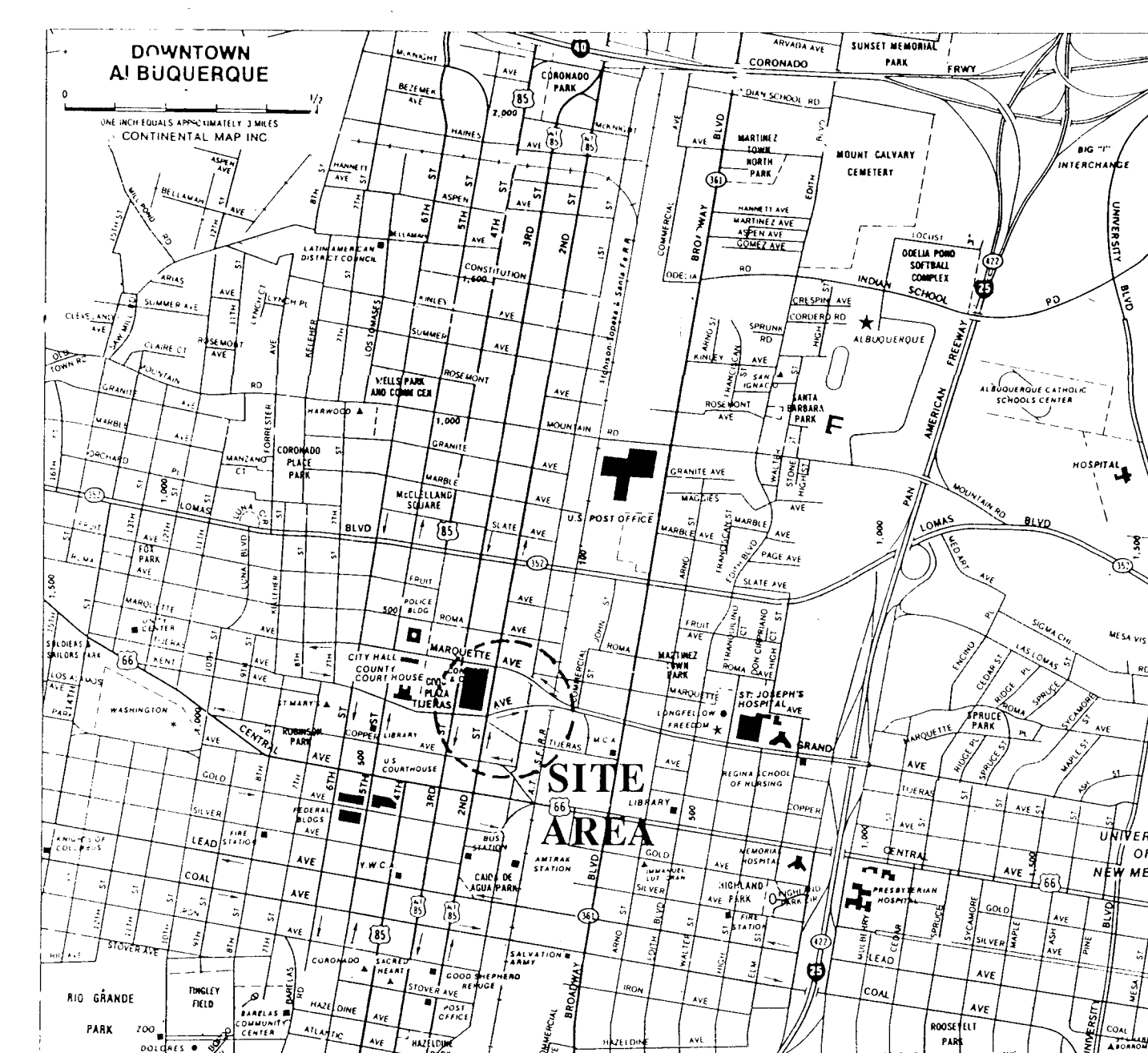
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VICINITY MAP



THE PROJECT SITE IS LOCATED IN THE DOWNTOWN URBAN CORE. MAJOR FREEWAY ACCESS TO THE CORE IS PROVIDED BY INTERSTATE 40, APPROXIMATELY 1 MILE NORTH OF THE SITE, AND INTERSTATE 25, APPROXIMATELY ONE-HALF MILE TO THE EAST OF THE SITE. A MAJOR RAILWAY CORRIDOR, OWNED BY ATCHAFALAYA, TOPEKA & SANTA FE RUNS THROUGH THIS CORE IN A NORTH-SOUTH DIRECTION, DIRECTLY ADJACENT TO THE PROJECT SITE. PRIMARY ACCESS TO THE SITE FROM INTERSTATE 40 IS VIA 1ST, 3RD, AND 4TH STREETS, WITH EGRESS FROM THE SITE TO I-40 VIA 1ST, 2ND, AND 4TH STREETS. ACCESS TO, AS WELL AS EGRESS FROM, THE SITE FROM INTERSTATE 25 IS VIA LOMAS BOULEVARD, GRAND AND CENTRAL AVENUES.

DESIGN DATA

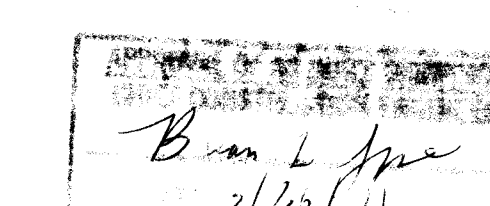
(SEE SHEET S1 FOR DESIGN LOADS)

PROPERTY ZONE	SU-3	UBC 1985
SEISMIC ZONE	2	A.N.S.I. A117.1 - 1980
OCCUPANCY GROUP	B-1 PARKING GARAGE	
TYPE OF CONSTRUCTION	1 F.R.	
AREA COMPILED:		
4 LEVELS EACH AT 53,726 S.F.		
TOTAL AREA	214,905 S.F.	
EXIT WIDTH COMPILED:		
53,726 = 268 OCCUPANTS PER FLOOR		
200		
268 + 268 + 268 = 469 = 9.38 FEET OF EXIT WIDTH REQUIRED		
2 4 50		
	9.67 FEET PROVIDED (2 STAIRS AT 4'-10" EACH)	

FIRE RESISTIVE COMPONENTS:

	REQUIRED	PROVIDED
EXTERIOR BEARING WALLS/STRUCTURAL FRAME	4 HOUR	UBC - 43A, ITEM 34
INTERIOR BEARING WALLS	3 HOUR	NONE
EXTERIOR NON-BEARING WALLS	4 HOUR	NONE
STRUCTURAL FRAME	3 HOUR	STEEL PER U.L. S801
PARTITIONS, PERMANENT	1 HOUR	CONCRETE PER U.B.C. 43-A ITEM 34
SHAFT ENCLOSURES	2 HOUR	STUDS PER U.B.C. 43-B ITEM 66
FLOORS	2 HOUR	C.M.U. PER U.B.C. 43-B ITEM 32
ROOFS	2 HOUR	CONCRETE PER U.B.C. 43-B ITEM 43
		CONCRETE PER U.B.C. 43-C ITEM 1
		AND STEEL PER U.L.-P920
HORIZONTAL OCCUPANCY	3 HOUR	CONCRETE PER UBC 43A, ITEMS 32 & 34
VERTICAL OCCUPANCY	3 HOUR	8" C.M.U. PER UL U907
BUILDING IS EQUIPPED WITH FULLY AUTOMATIC SPRINKLER SYSTEM DESIGNED PER NFPA 13		

LEGAL DESCRIPTION:



BOYLE ENGINEERING CORPORATION

CIVIL & STRUCTURAL

BRIDGERS & PAXTON CONSULTING ENGINEERS, INC.

MECHANICAL & PLUMBING

UHL & LOPEZ ELECTRICAL CONSULTING ENGINEERS

ELÉCTRICAL

216 273610191

AS-BUILT 7-4-90

GENERAL NOTES

- CITY OF ALBUQUERQUE PROJECT NO. 3244, THE URBAN ROADWAY PROJECT (MARTIN LUTHER KING BOULEVARD), WILL BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT. CONTRACTOR SHALL CLOSELY COORDINATE PARKING STRUCTURE CONSTRUCTION WITH PROJECT NO. 3244 CONSTRUCTION. SEE SPECIFICATIONS FOR REQUIRED CONSTRUCTION SEQUENCE AND ADDITIONAL COORDINATION REQUIREMENTS.
- GRADING PLAN, SHEET C-1 SHOWS PROJECT NO. 3244 IMPROVEMENTS AS BEING IN PLACE. CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. SEE SHEET C-5 FOR SITE CONDITIONS PRIOR TO PROJECT NO. 3244 AND FOR REMOVAL/DEMOLITION REQUIREMENTS. SEE SHEET C-2 FOR REMOVAL DETAILS ALONG TIJERAS AVENUE.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL WORK ASSOCIATED WITH THE UNDERGROUND STORM WATER DETENTION FACILITY AND WITH WATER AND SEWER UTILITY LINES, AS DETAILED ON THESE PLANS, SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1986," USING PROCEDURES PRESCRIBED BY SECTION 18 OF THE GENERAL CONDITIONS AND CONFORMING TO THE INSPECTION, ACCEPTANCE, AND WARRANTY POLICIES OF SECTION 13 OF THE GENERAL CONDITIONS OF THE 1986 STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER (768-2780) THREE (3) WORKING DAYS PRIOR TO THE OPENING OF ANY DETOUR.
- ALL COORDINATES ARE IDENTIFIED AS GROUND COORDINATES USING A GROUND-TO-GRID FACTOR OF 0.999679. THE GRID IS FOR THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE. STATE PLANE GRID COORDINATES = GROUND COORDINATES X GROUND-TO-GRID FACTOR. ALL DIMENSIONS SHOWN ARE GROUND DISTANCES. GRID DISTANCE = GROUND DISTANCE X GROUND-TO-GRID FACTOR.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEMS DIVISION (823-4200) FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES.

CONVENTION CENTER EXPANSION (PHASE 2)

LEGEND

- UTILITIES INSTALLED UNDER PROJ. 3244
- NEW WATERLINE INSTALLED UNDER THIS CONTRACT
- EXIST. UTILITIES TO REMAIN
- CURB & GUTTER INSTALLED UNDER PROJ. 3244
- EXIST. CURB & GUTTER TO REMAIN
- HORIZONTAL CONTROL POINT
- SPOT ELEVATION, (FINISH GRADE)
- CITY OF ALBUQUERQUE MONUMENTATION (ACS)
- ALBUQUERQUE SURVEY CO. MONUMENTATION (ASC)

TYPICAL SECTION - CONSTRUCTION LINE "W"

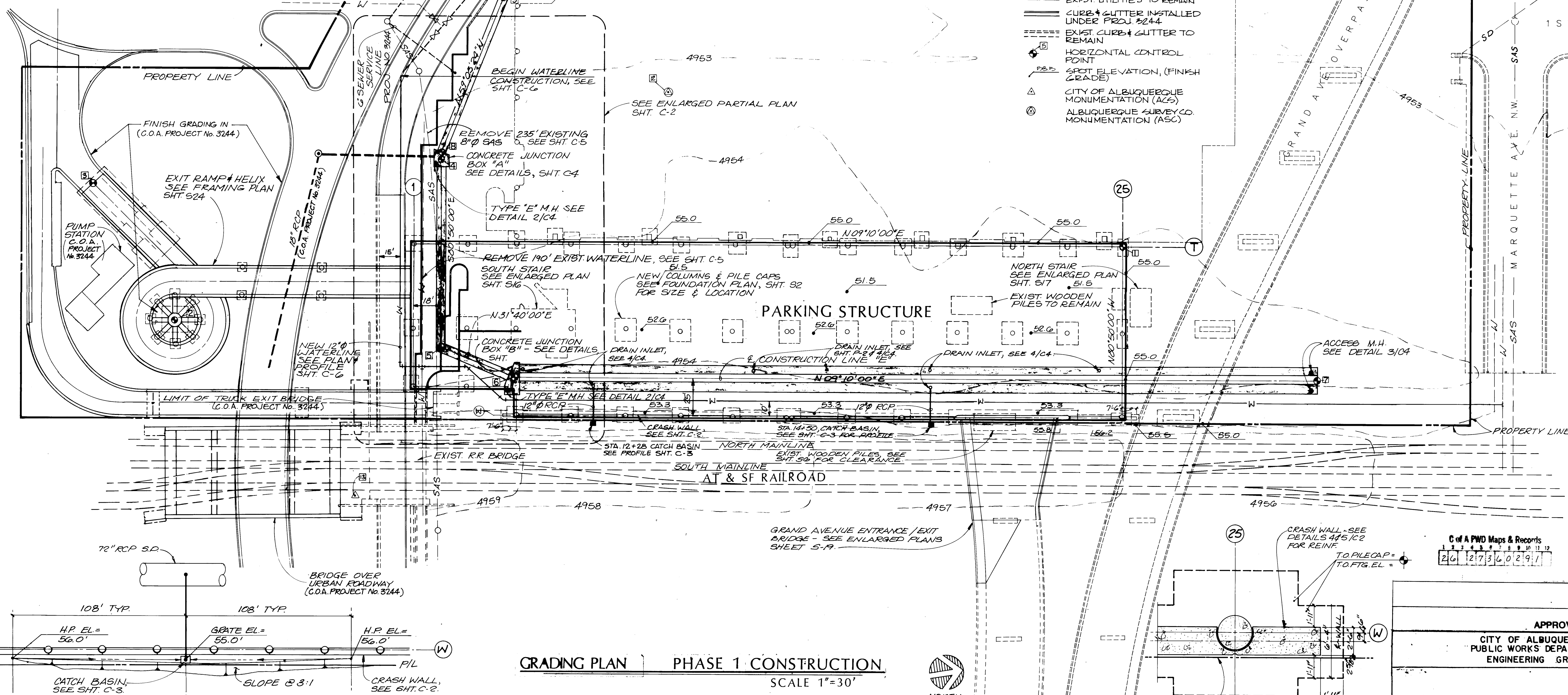
SCALE: 1"=20'

TYPICAL SECTION - GRID 3 TO GRID 25

SCALE: 1"=20'

GRADING PLAN PHASE 1 CONSTRUCTION

SCALE 1"=30'



TYPICAL GRADING PLAN - DRAINAGE SWALE ALONG EAST PROPERTY LINE

N.T.S.

PARKING STRUCTURE GRADING PLAN PHASE 1 CONSTRUCTION

ALBUQUERQUE RENOVATION AND CONVENTION CENTER EXPANSION



APPROVED FOR CONSTRUCTION
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SHEET

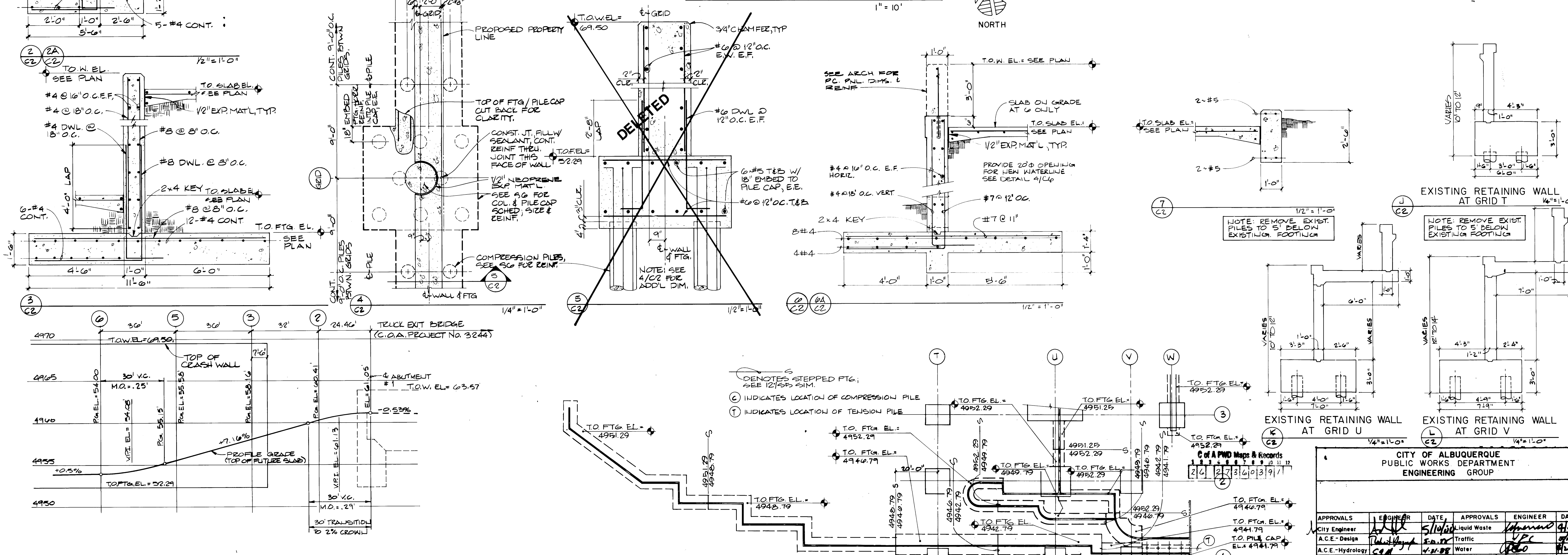
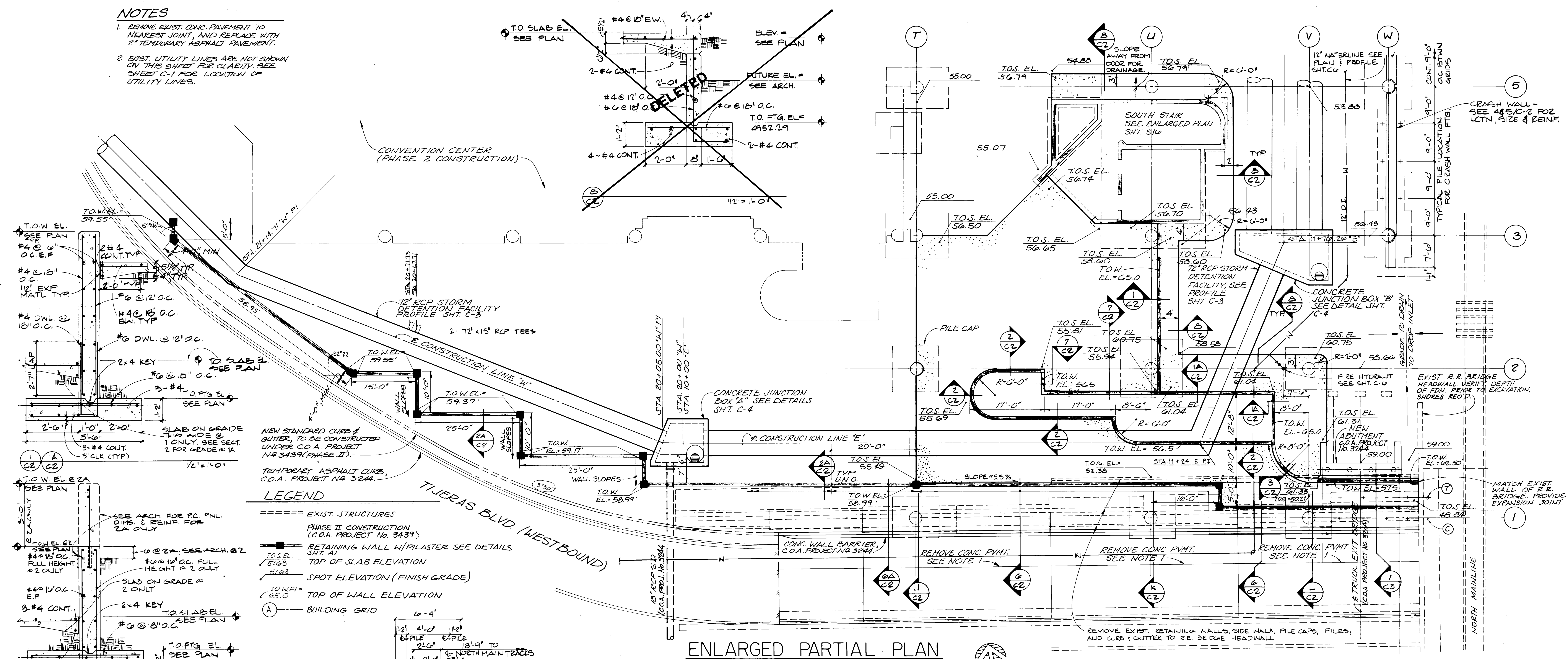
C-1

OF 67

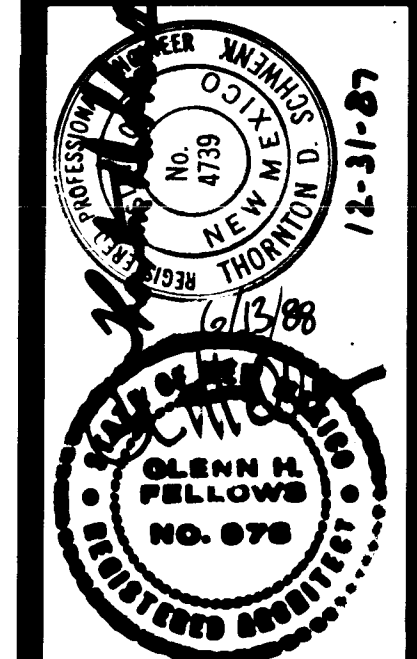
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	5/10/11	5/10/11	Liquid Waste		
A.C.E.-Design	5/10/11	5/10/11	Traffic		
A.C.E.-Hydrology	5/10/11	5/10/11	Water		
DRAWING NO.	2736		MAP NO.	K-14	

NOTES

1. REMOVE EXIST. CONC. PAVEMENT TO NEAREST JOINT, AND REPLACE WITH 2" TEMPORARY ASPHALT PAVEMENT.
2. EXIST. UTILITY LINES ARE NOT SHOWN ON THIS SHEET FOR CLARITY. SEE SHEET C-1 FOR LOCATION OF UTILITY LINES.

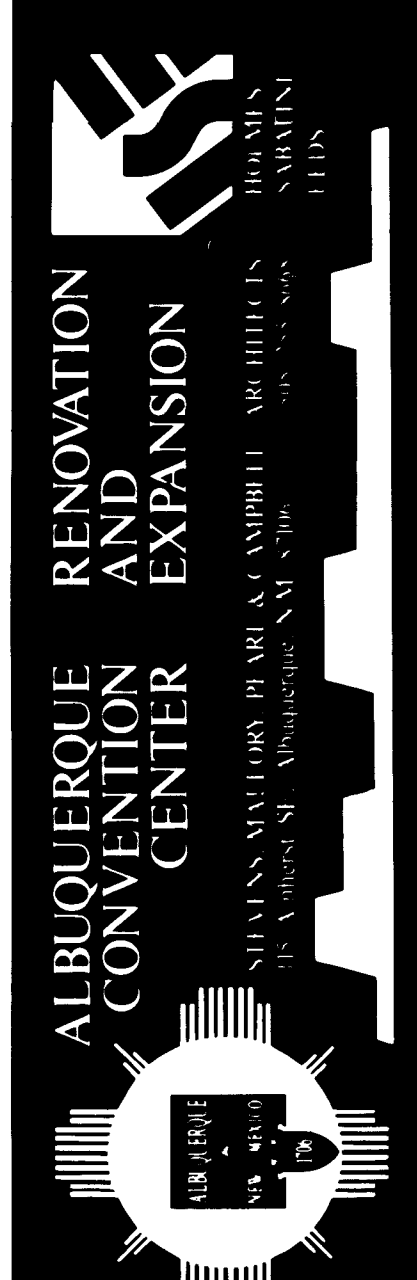


PROFILE - TOP OF FUTURE SLAB SCALE: 1" = 20' HORIZ. 1" = 5' VERT.



REVISED DATE
AS-BUILT 7-4-90

PARKING STRUCTURE
ENLARGED PARTIAL PLAN
RETAINING WALL SECTIONS

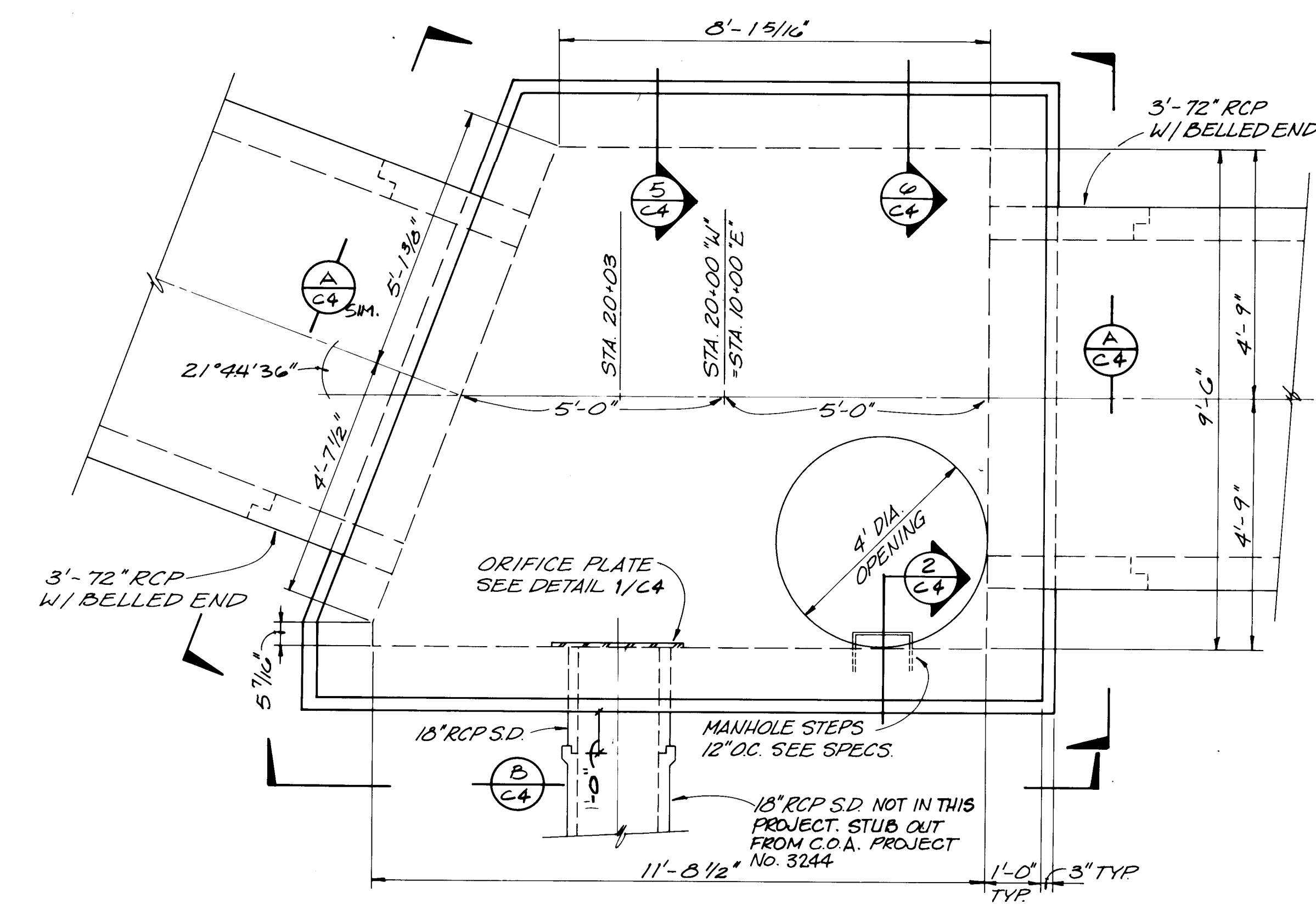


ALBUQUERQUE RENOVATION
AND CONVENTION CENTER
EXPANSION

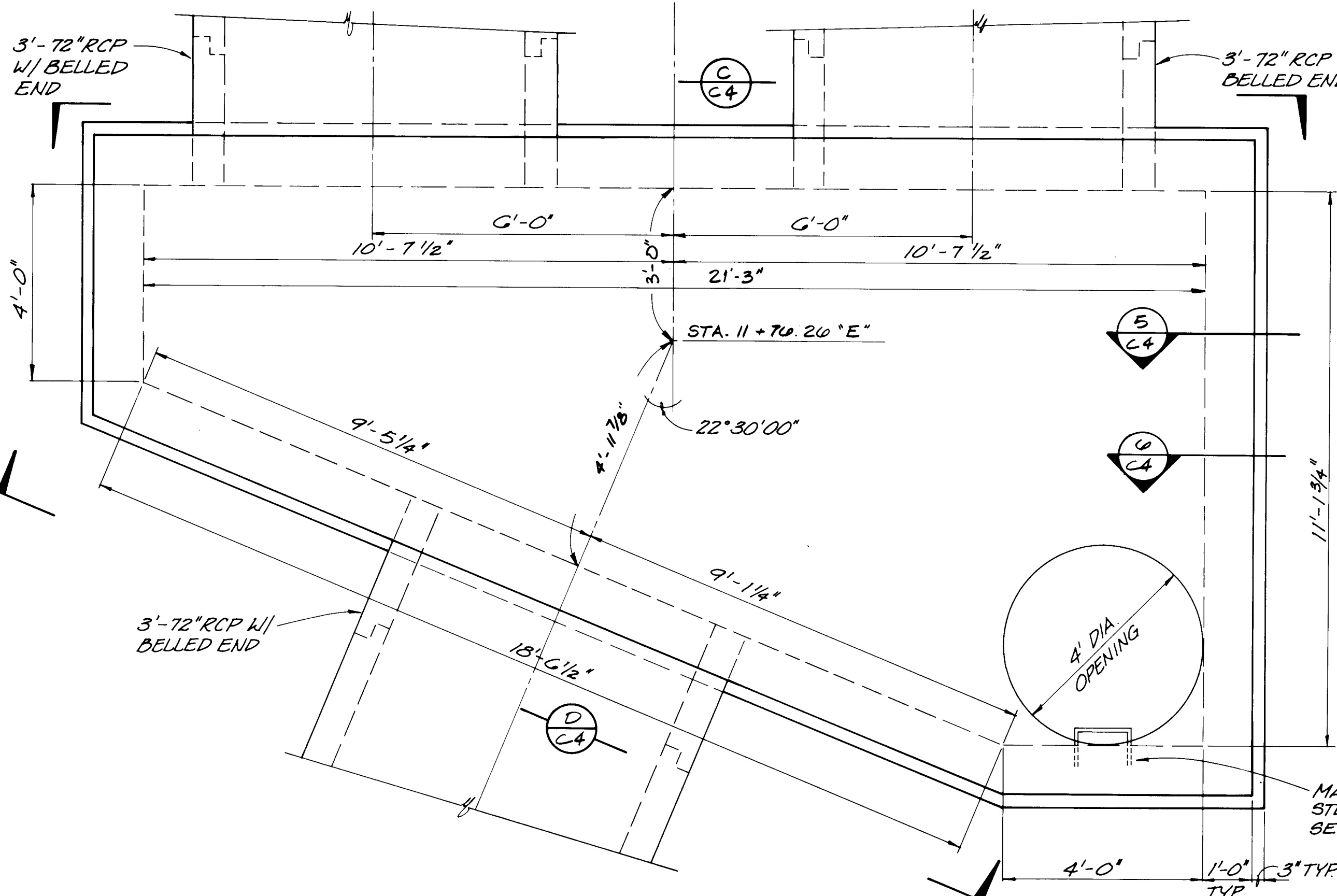
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SHEET
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OF 67

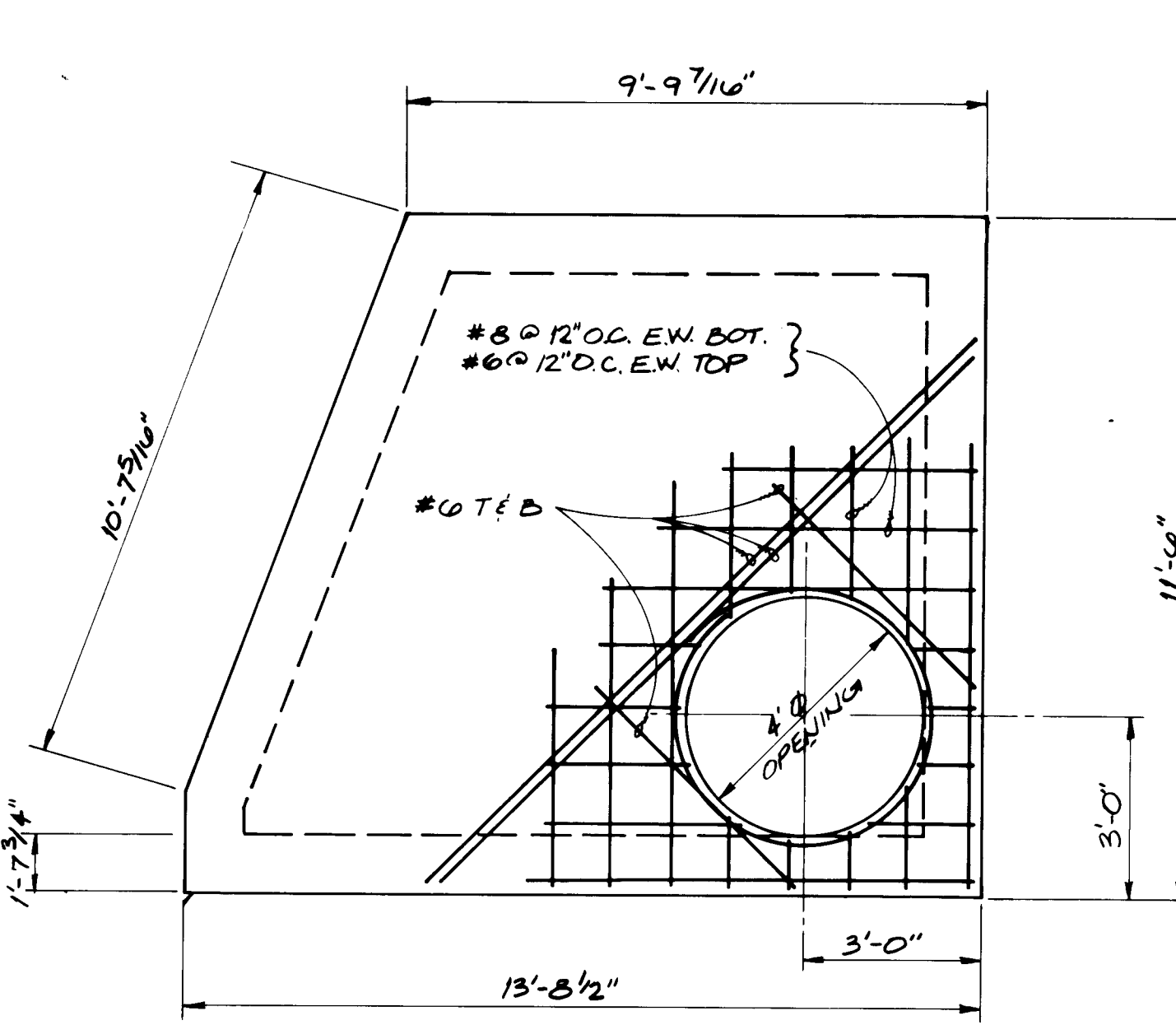
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Glenn H. Fellows	5/19/90	Liquid Waste	Glenn H. Fellows	5/19/90
A.C.E. - Design	Glenn H. Fellows	5/19/90	Traffic	Glenn H. Fellows	5/19/90
A.C.E. - Hydrology	Glenn H. Fellows	5/19/90	Water	Glenn H. Fellows	5/19/90



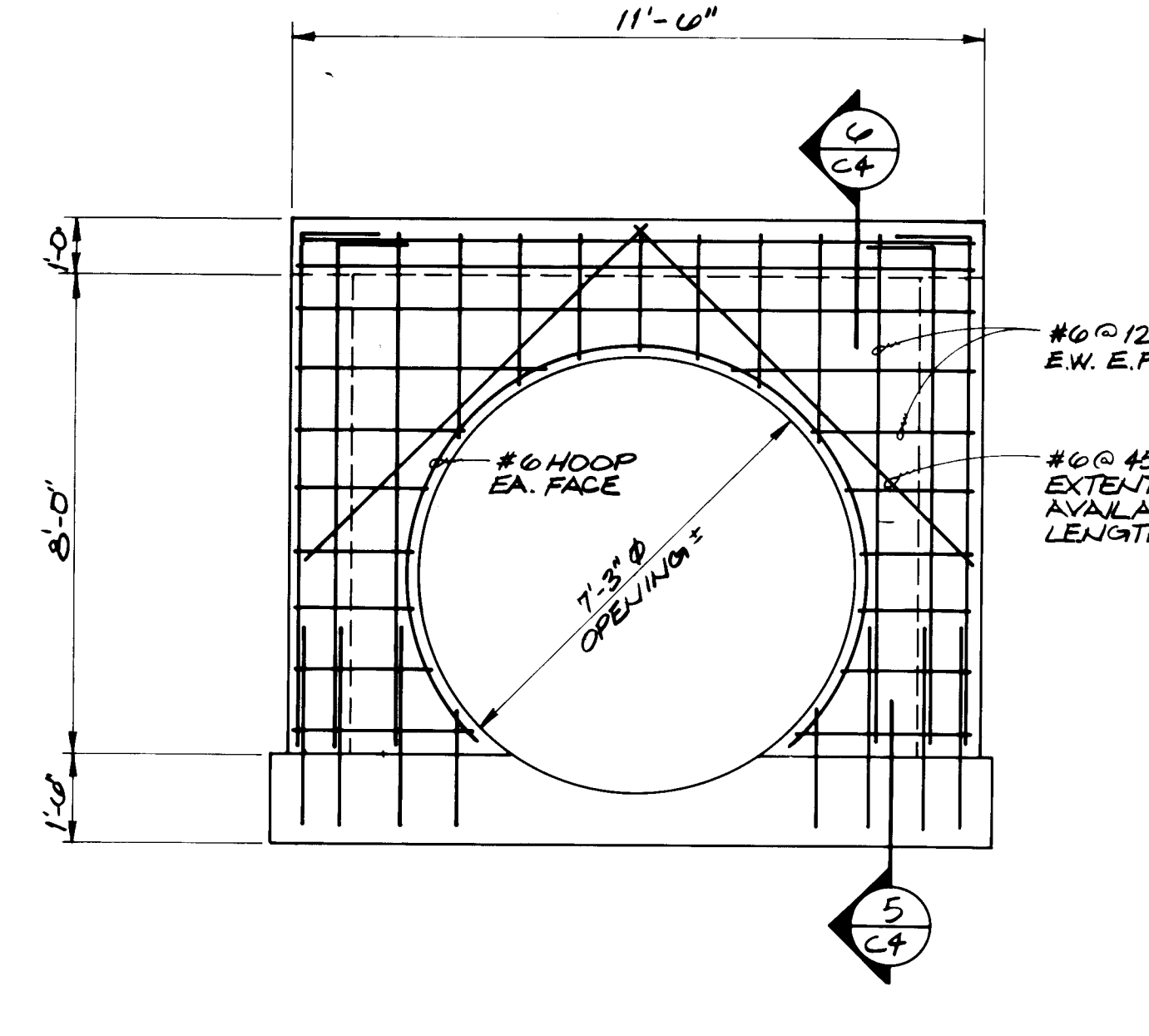
CONCRETE JUNCTION BOX "A" - PLAN
SCALE: 1/8" = 1'-0"



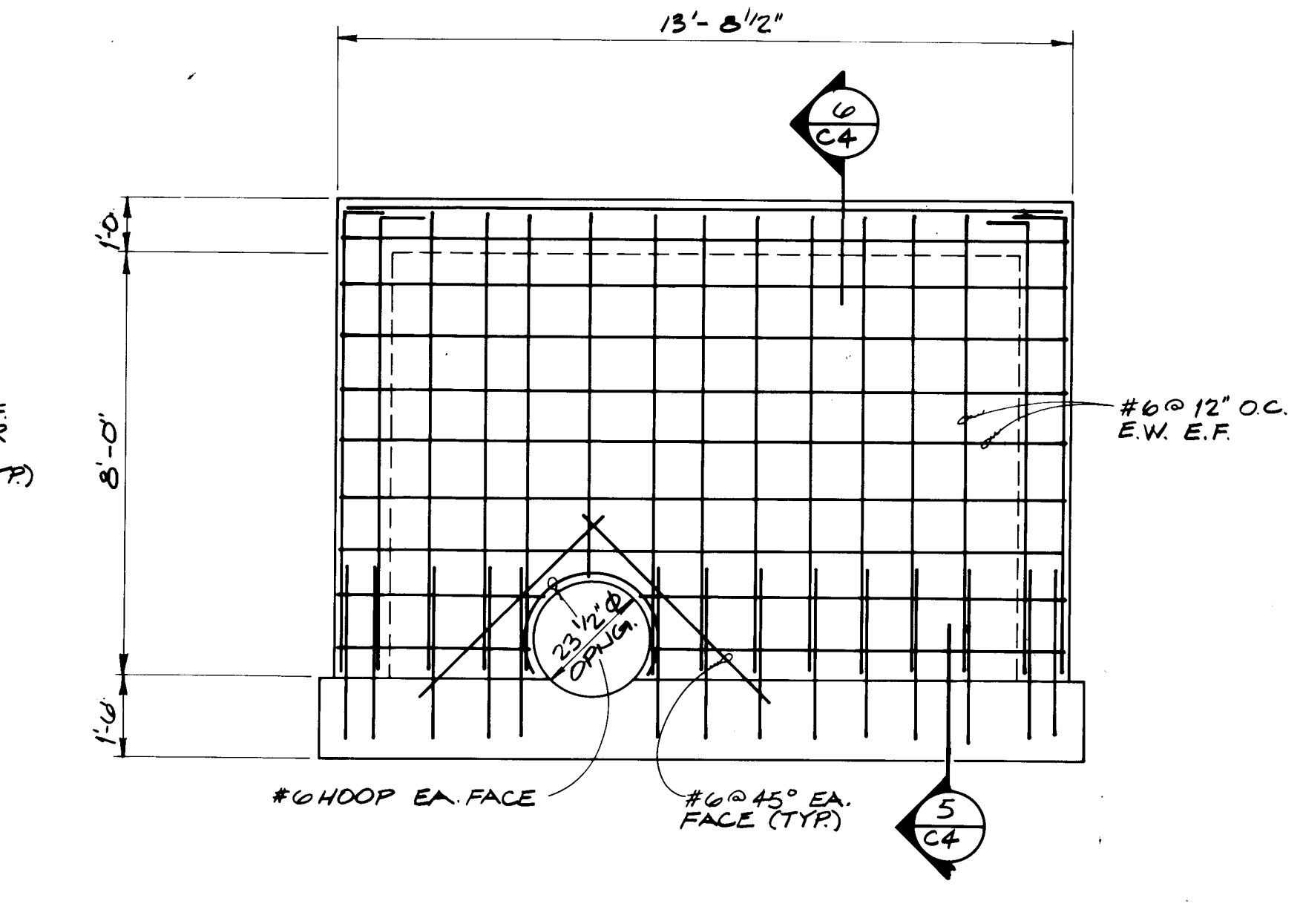
CONCRETE JUNCTION BOX "B" - PLAN
SCALE: 1/8" = 1'-0"



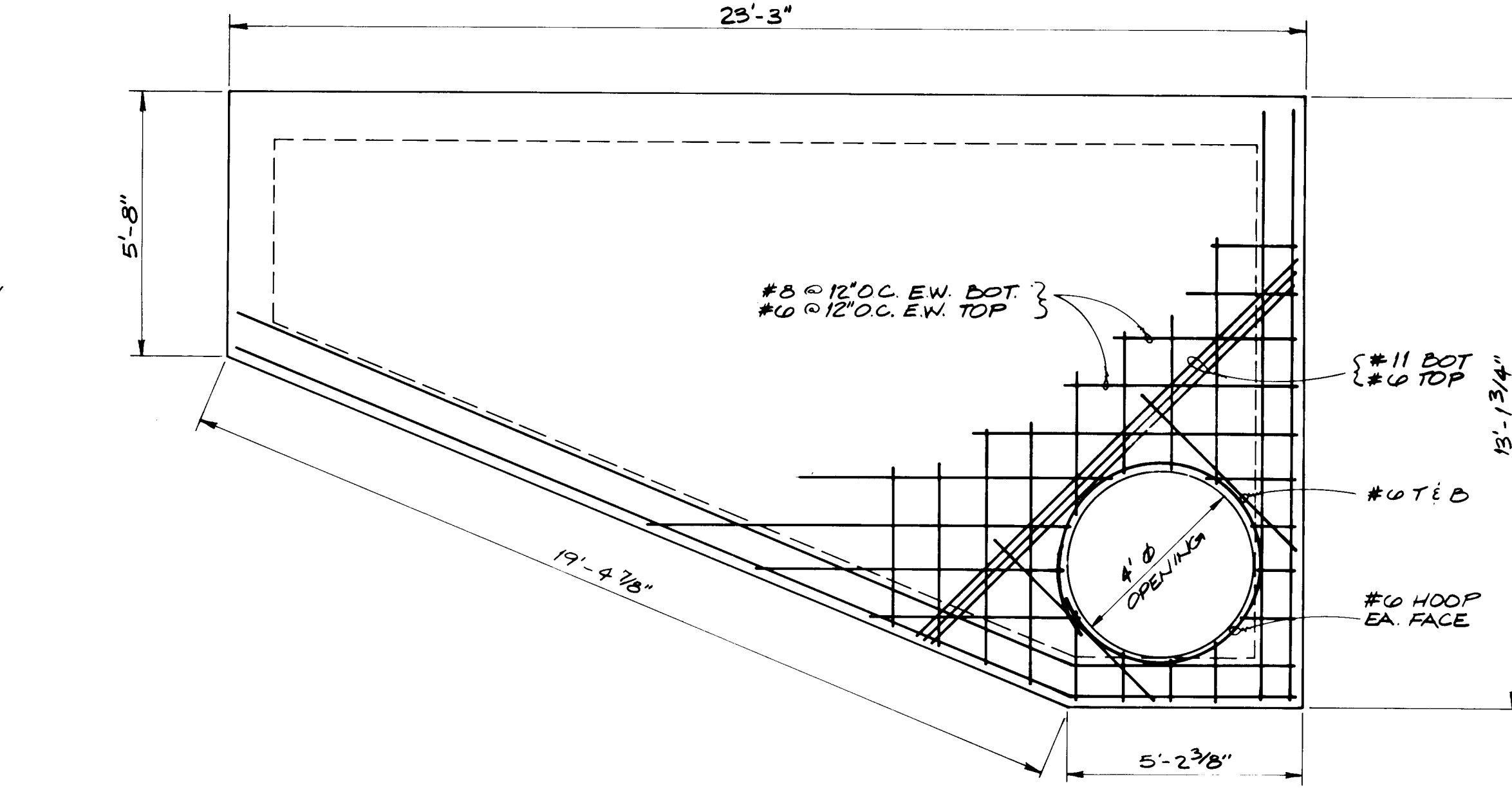
PLAN - TOP SLAB JUNCTION BOX "A"
SCALE: 3/8" = 1'-0"



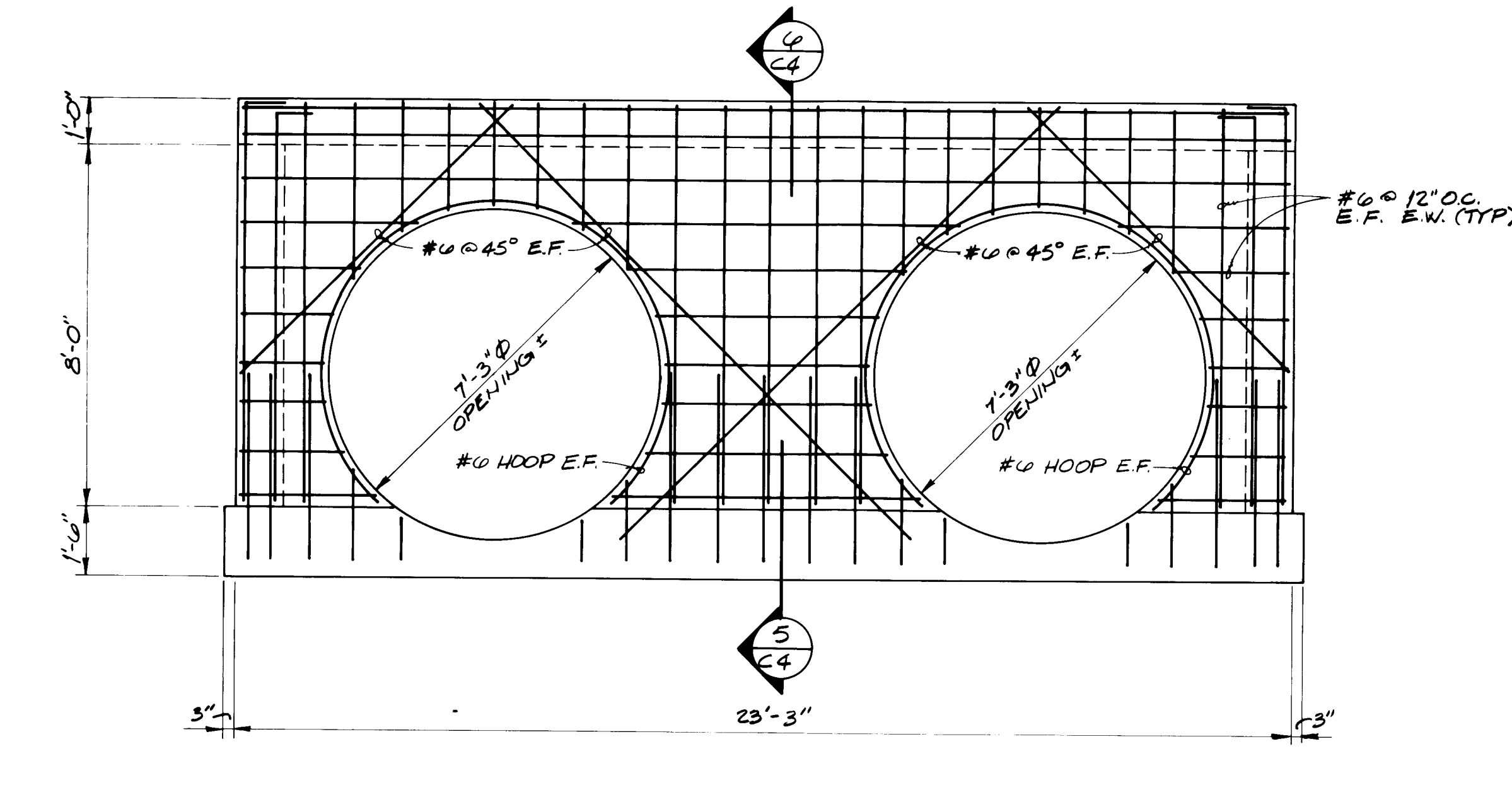
ELEVATION A
SCALE: 3/8" = 1'-0"



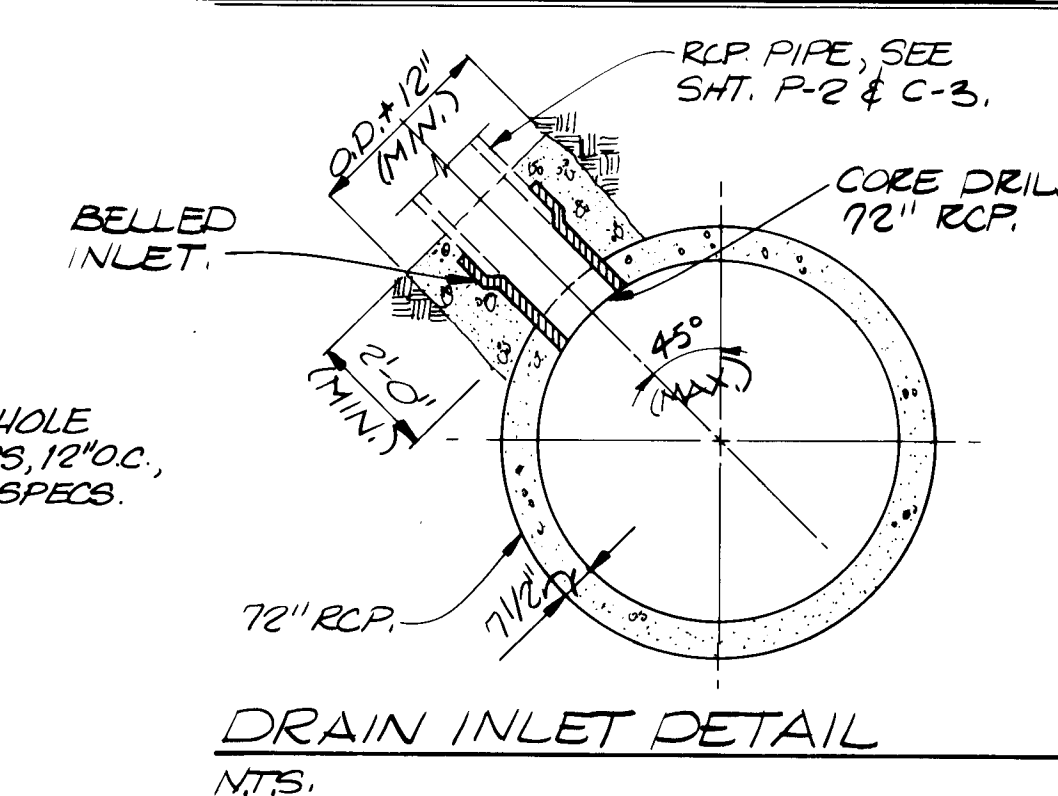
ELEVATION B
SCALE: 3/8" = 1'-0"



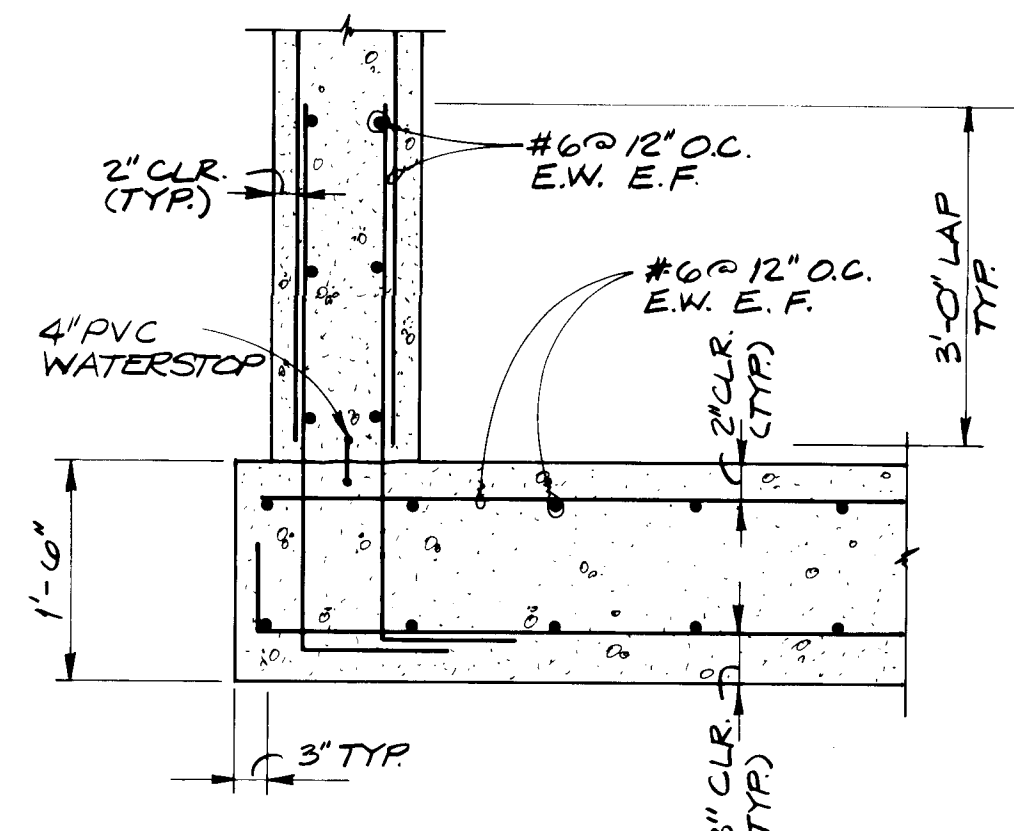
PLAN - TOP SLAB JUNCTION BOX "B"
SCALE: 3/8" = 1'-0"



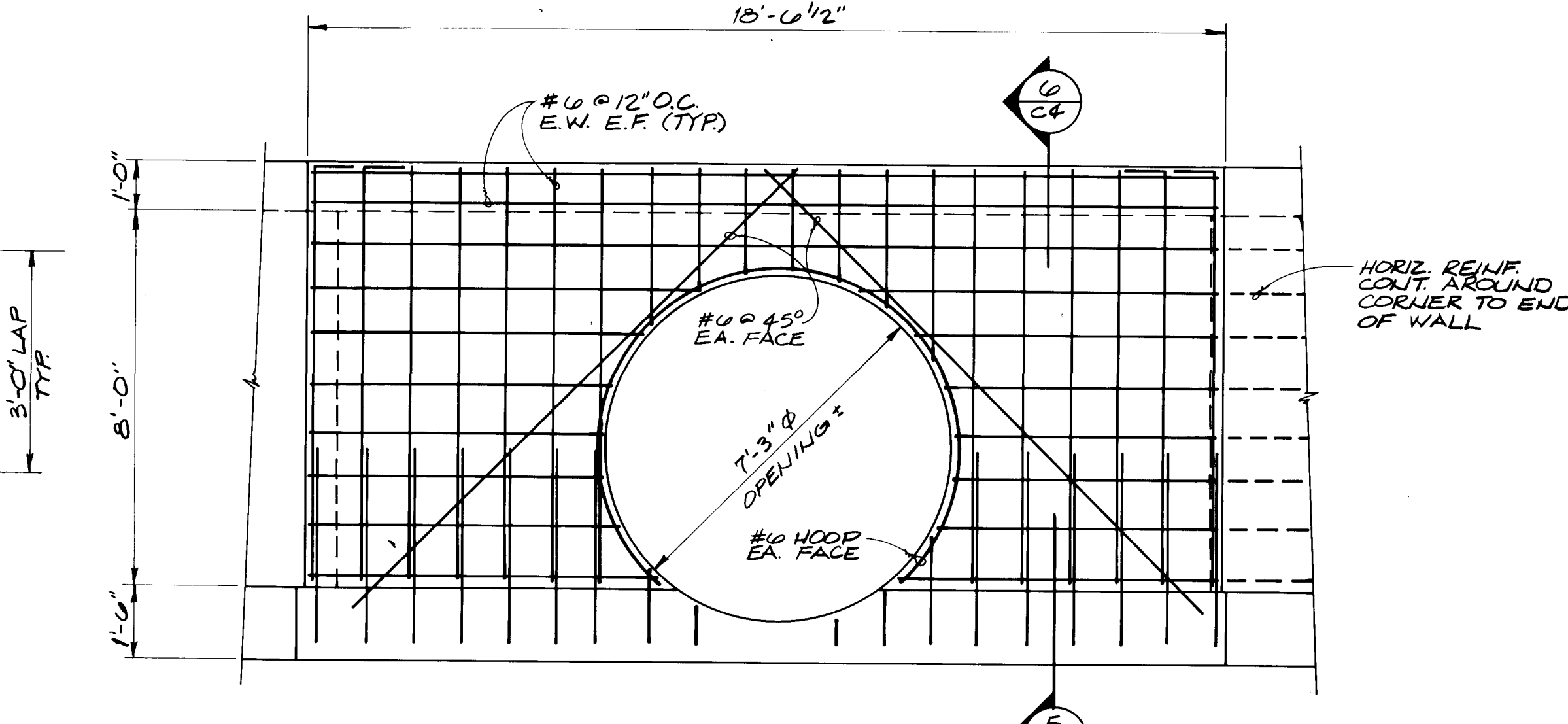
ELEVATION C
SCALE: 3/8" = 1'-0"



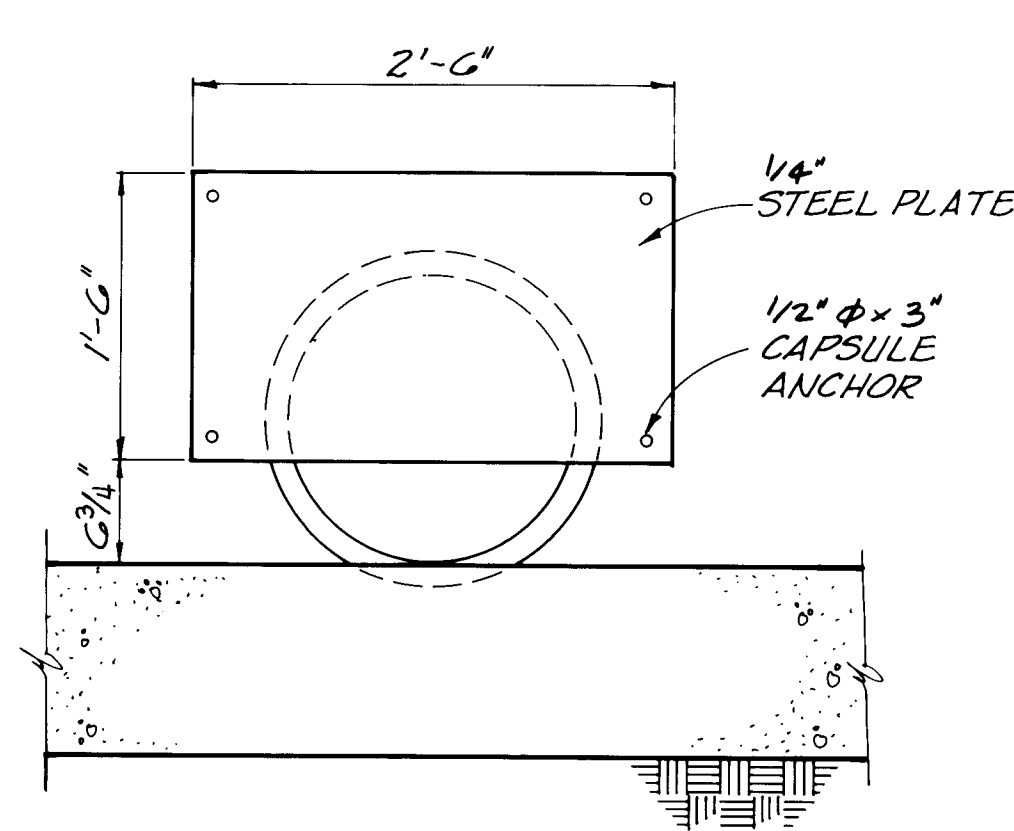
DRAIN INLET DETAIL
SCALE: 3/8" = 1'-0"



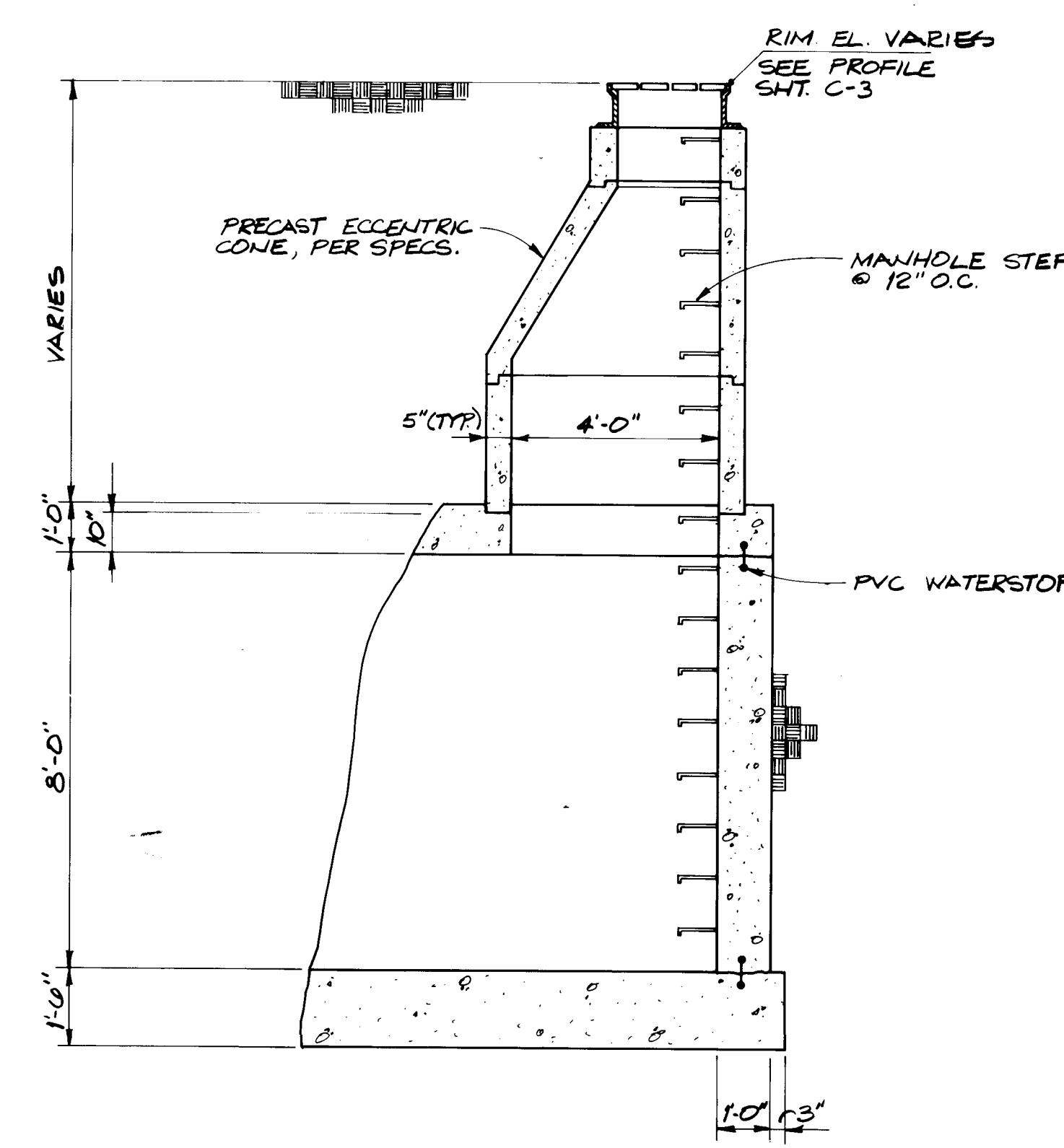
DETAIL
SCALE: 3/8" = 1'-0"



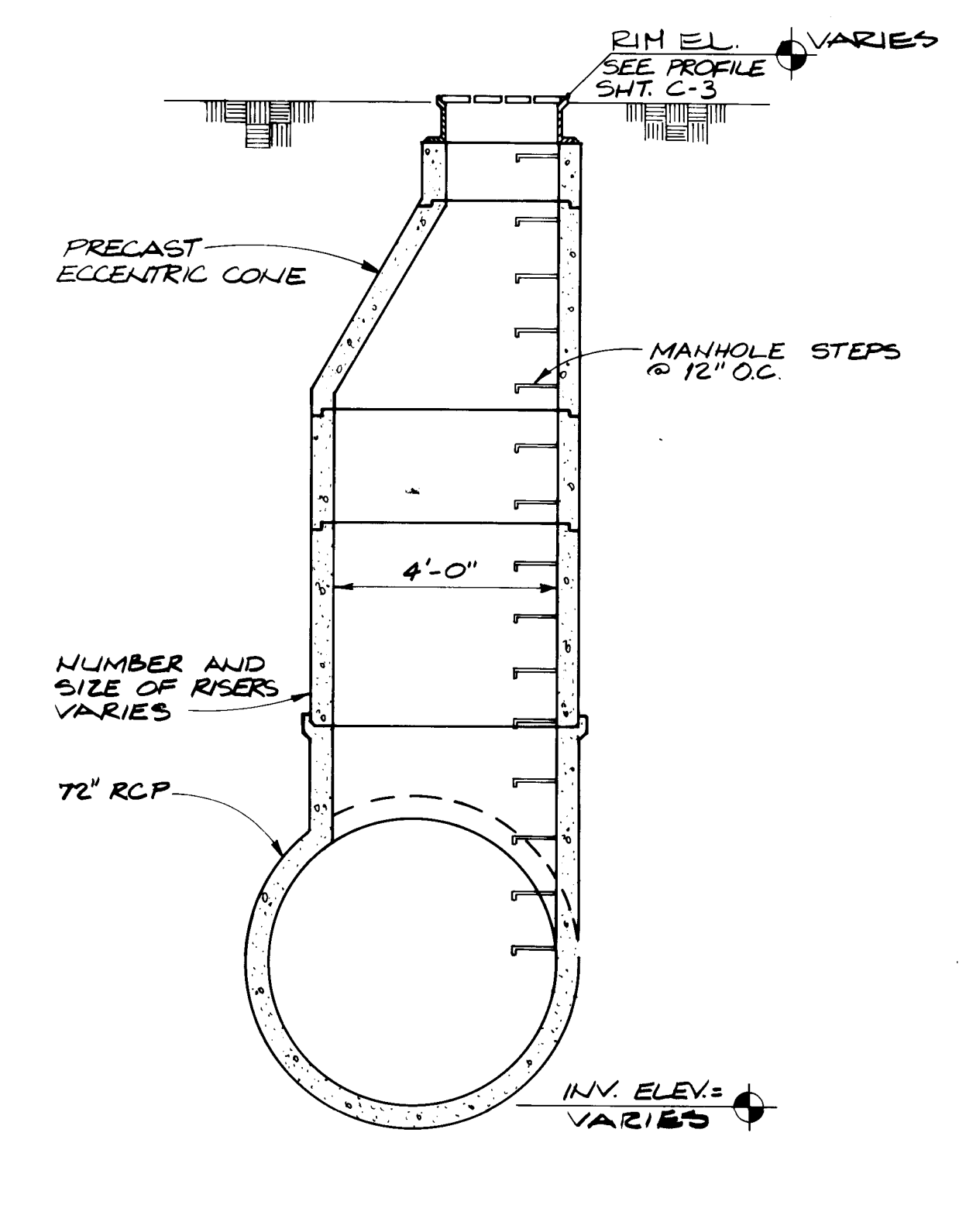
ELEVATION D
SCALE: 3/8" = 1'-0"



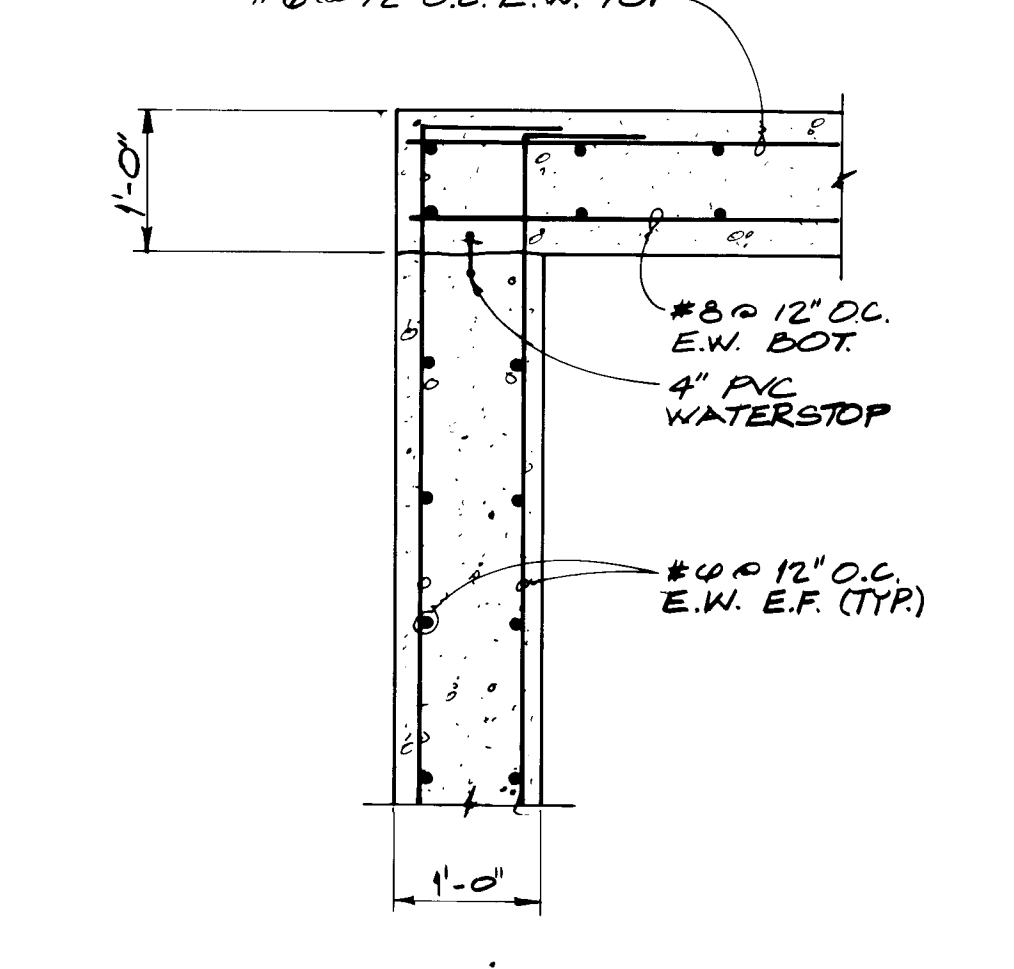
ORIFICE PLATE DETAIL
SCALE: 1" = 1'-0"



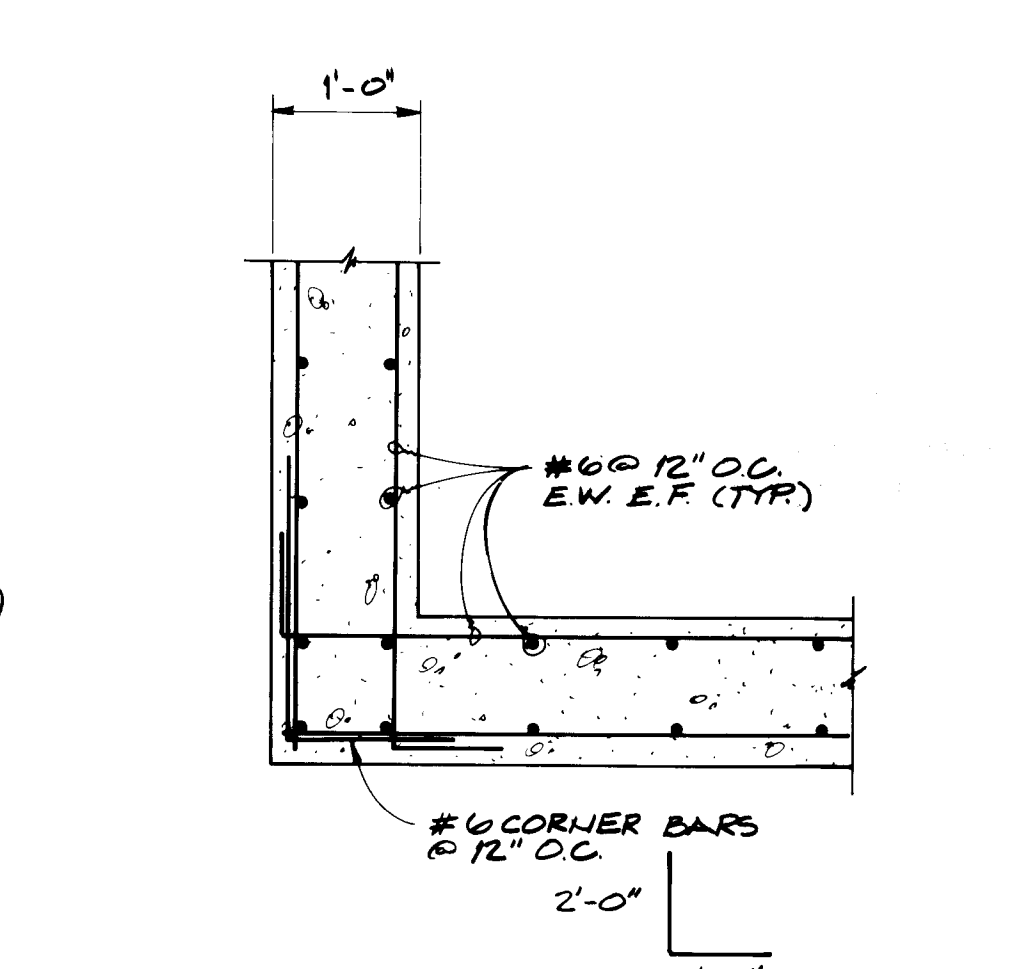
TYPE "E" MANHOLE DETAIL
SCALE: 3/8" = 1'-0"



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



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



TYP WALL CORNER REINF
SCALE: 3/4" = 1'-0"

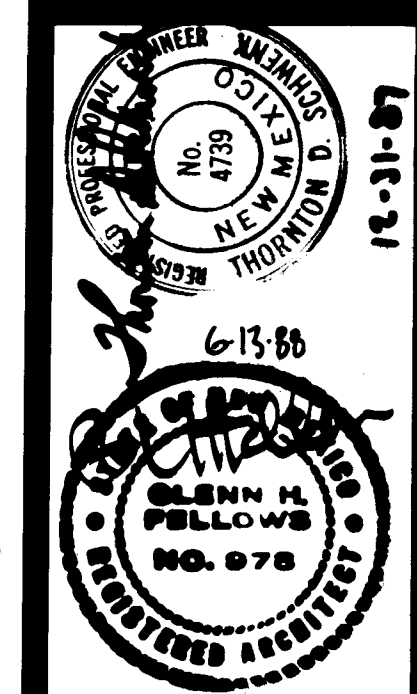
C of A PWD Maps & Records
12/12/12 12/13/12 12/14/12 12/15/12 12/16/12 12/17/12

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	ASR	5/6/00	Liquid Waste	ASR	4/21/00
A.C.E. Design	ASR	5/6/00	Traffic	ASR	4/21/00
A.C.E. Hydrology	ASR	5/6/00	Water	ASR	4/21/00

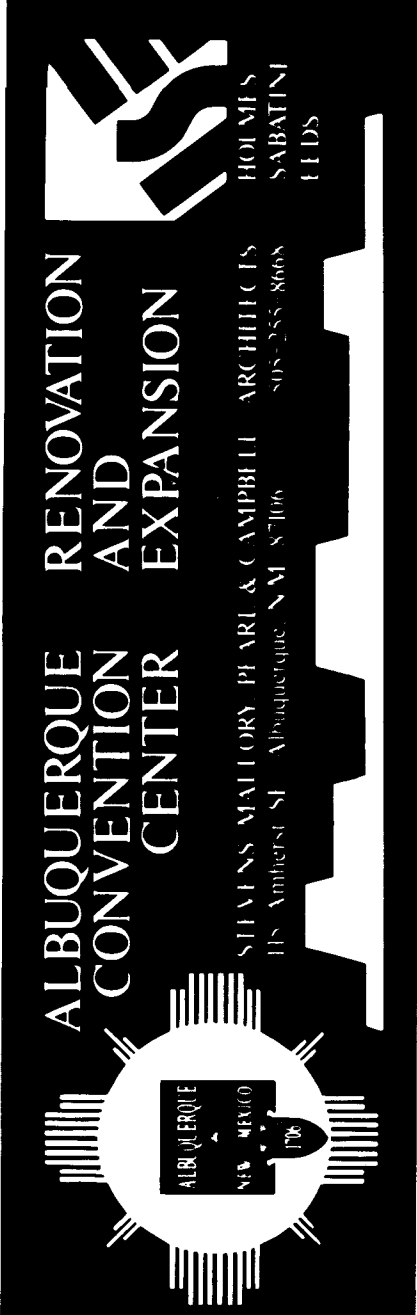
DRAWING NO. 2736

MAP NO. K-14



REVISION DATE
AS-BUILT 7-4-90

PARKING STRUCTURE
DETAILS
UNDERGROUND STORMWATER
DETENTION FACILITY



SHEET

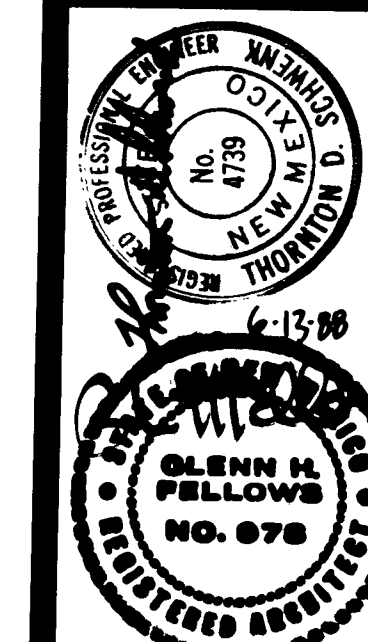
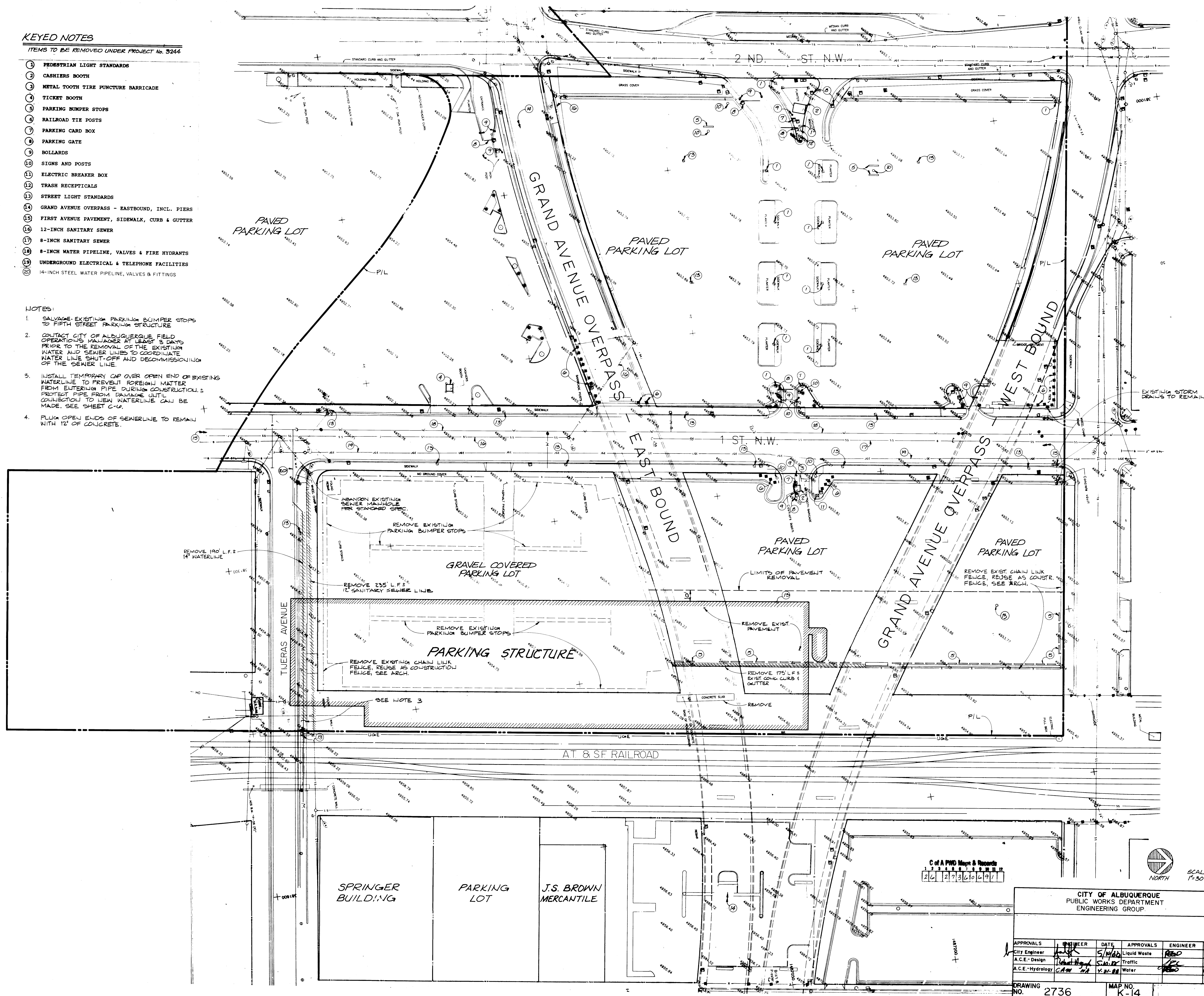
C-4
OF 67

ITEMS TO BE REMOVED UNDER PROJECT No. 3244

- ① PEDESTRIAN LIGHT STANDARDS
- ② CASHIERS BOOTH
- ③ METAL TOOTH TIE PUNCTURE BARRICADE
- ④ TICKET BOOTH
- ⑤ PARKING HUMPER STOPS
- ⑥ RAILROAD TIE POSTS
- ⑦ PARKING CARD BOX
- ⑧ PARKING GATE
- ⑨ BOLLARDS
- ⑩ SIGNS AND POSTS
- ⑪ ELECTRIC BREAKER BOX
- ⑫ TRASH RECEPTACLS
- ⑬ STREET LIGHT STANDARDS
- ⑭ GRAND AVENUE OVERPASS - EASTBOUND, INCL. PIERS
- ⑮ FIRST AVENUE PAVEMENT, SIDEWALK, CURB & GUTTER
- ⑯ 12-INCH SANITARY SEWER
- ⑰ 8-INCH SANITARY SEWER
- ⑱ 8-INCH WATER PIPELINE, VALVES & FIRE HYDRANTS
- ⑲ UNDERGROUND ELECTRICAL & TELEPHONE FACILITIES
- ⑳ 14-INCH STEEL WATER PIPELINE, VALVES & FITTINGS

NOTES:

1. SALVAGE EXISTING PARKING BUMPER STOPS TO FIFTH STREET PARKING STRUCTURE
2. CONTACT CITY OF ALBUQUERQUE FIELD OFFICE TO REQUEST AT LEAST 3 DAYS PRIOR TO THE REMOVAL OF EXISTING WATER AND SEWER LINES TO COORDINATE WITH SHUT-DOWN AND RECOMMISSIONING OF THE SEWER LINES
3. INSTALL TEMPORARY CAP OVER OPEN END OF EXISTING WATERLINE TO PREVENT FOREIGN MATTER FROM ENTERING PIPE DURING CONSTRUCTION. PROTECT PIPE FROM COLLAPSE. COLLECTION TO NEW WATERLINE CAN BE MADE AS SEE SHOWN ON PLAN.
4. PUMP OPEN ENDS OF SEWERLINE TO REMAIN WITH 12" OF CONCRETE

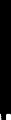


REVISED	DATE
AS-BUILT	7-4-9

DRAWN BY MWM	CHECKED BY TDS
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PARKING STRUCTURE

SITE DEMOLITION PLAN



ALBUQUERQUE
CONVENTION
CENTER
RENOVATION
AND
EXPANSION

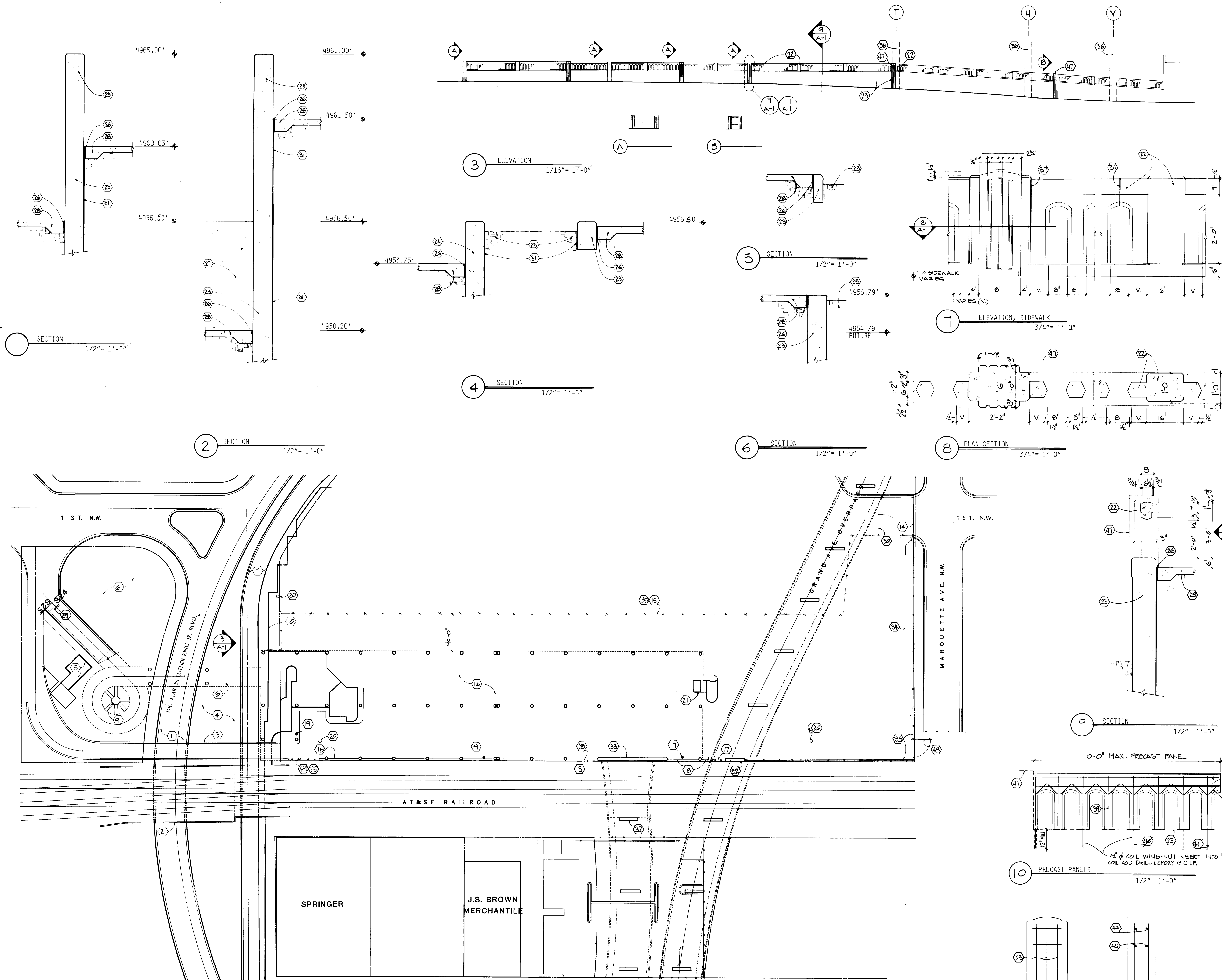


SMEF

C-5

OF C

CITY OF ALBUQUERQUE					
PUBLIC WORKS DEPARTMENT					
ENGINEERING GROUP					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/19/60	Liquid Waste	<i>[Signature]</i>	5/19/60
A.C.E.-Design	<i>[Signature]</i>	5/19/60	Traffic	<i>[Signature]</i>	5/19/60
A.C.E.-Hydrology	<i>[Signature]</i>		Water	<i>[Signature]</i>	5/19/60
DRAWING NO.	2736		MAP NO. K-14		



SITE PLAN

SCALE: 1"=40'-0"
GRAPHIC SCALE
0' 10' 25' 50' 100'

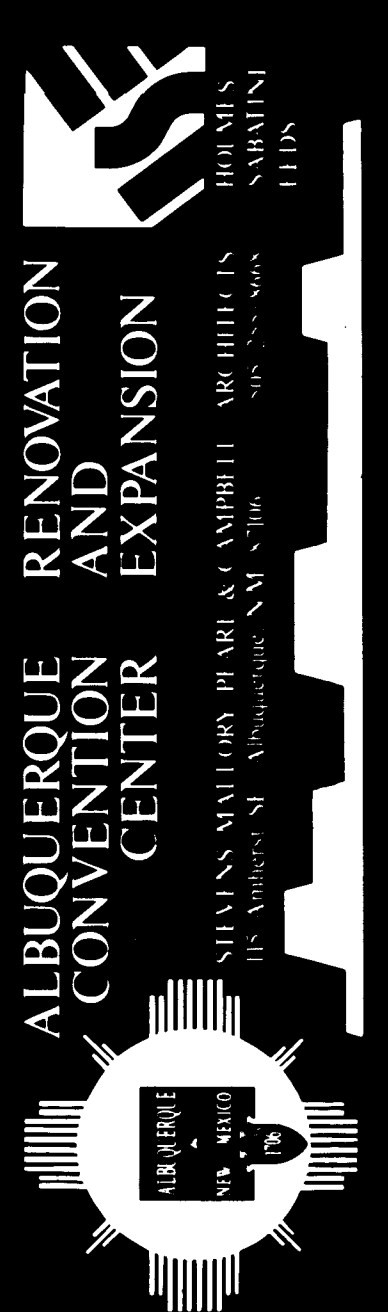
KEYED NOTES

- C.O.A. PROJECT #3244 WORK WILL BE IN PROGRESS SIMULTANEOUSLY WITH THIS CONTRACT. CONTRACTOR TO CLOSELY COORDINATE AREAS OF OVERLAPPING WORK WITH URBAN ROAD CONTRACTOR.
- NEW RAILROAD BRIDGE PART OF C.O.A. PROJECT #3244 CONSTRUCTION
- TRUCK EXIT BRIDGE PART OF C.O.A. PROJECT #3244 CONSTRUCTION
- LANDSCAPING, PART OF C.O.A. PROJECT #3244
- PUMP STATION, PART OF C.O.A. PROJECT #3244
- LANDSCAPING, PART OF C.O.A. PROJECT #3439
- WESTBOUND TIJERAS REALIGNMENT, PART OF C.O.A. PROJECT #3244
- PARKING STRUCTURE EXIT BRIDGE, SEE A5 AND S23-27
- HELIX, SEE A5 AND S27 - 27
- RETAINING WALL, SEE ELEVATION 3, THIS SHEET
- RETAINING WALL, SEE SECTION C/A10
- PARKING STRUCTURE ENTRANCE BRIDGE, SEE A5 AND S19-22
- COORDINATE WORK IN RAILROAD RIGHT OF WAY WITH AT&SF RAILWAY
- BARRICADE INSTALLED UNDER C.O.A. PROJECT #3244 THIS CONTRACTOR SHALL USE THIS CONSTRUCTION FENCE
- SEE SHEET C-11 FOR FINISHED GRADES.
- CHAIN LINK FENCE W/ MONGATE
- CAST-IN-PLACE CRASH WALL N.W.
- FIRE HYDRANT
- STORM WATER DETENTION FACILITY ACCESS MANHOLE
- ELECTRICAL SERVICE ENTRANCE
- PRECAST CONCRETE RAILING
- CAST-IN-PLACE CONCRETE, SEE CIVIL DRAWING C-2 FOR SIZE AND STEEL REINFORCEMENT
- 3/4" CHAMFER
- EARTH FILL
- 1/2" EXPANSION MATERIAL
- WELL BEYOND
- REINFORCED CONCRETE SLAB, SEE SHEET C-2
- METAL TOOTH BARRICADE
- CONSTRUCTION SITE ACCESS GATE
- LIQUID MEMBRANE WATERPROOFING
- EXISTING OVERPASS PIER
- ENTRANCE/EXIT BRIDGE PIER, SEE S19
- EXISTING CHAIN LINK FENCE TO REMAIN
- CHAIN LINK FENCE
- PARKING STRUCTURE COLUMN IN FOREGROUND
- CAULK JOINT
- 2" #4 HORIZ. CONT.
- #4 VERT. (TYPICAL)
- DRILL AND EPOXY #4 (TYP.)
- PROVIDE DOWEL AT EACH END 32" O.C. MAX. SPACING
- #4 DIAGONAL (TYP.)
- 2" #4 VERT. EACH FACE
- 2" #5 HORIZ.
- 3" #6 VERT. EACH SIDE
- 1'-9" LAP
- CAST-IN-PLACE BUTTRESS
- 12" GATE FOR AT&SF ACCESS
- PROVIDE VEHICULAR ACCESS THROUGH THIS POINT AS REQUIRED BY AT&SF DURING CONSTRUCTION



REVISION 4-88 DATE
AS-BUILT 7-4-90

**PARKING STRUCTURE
SITE PLAN
& SITE DETAILS**



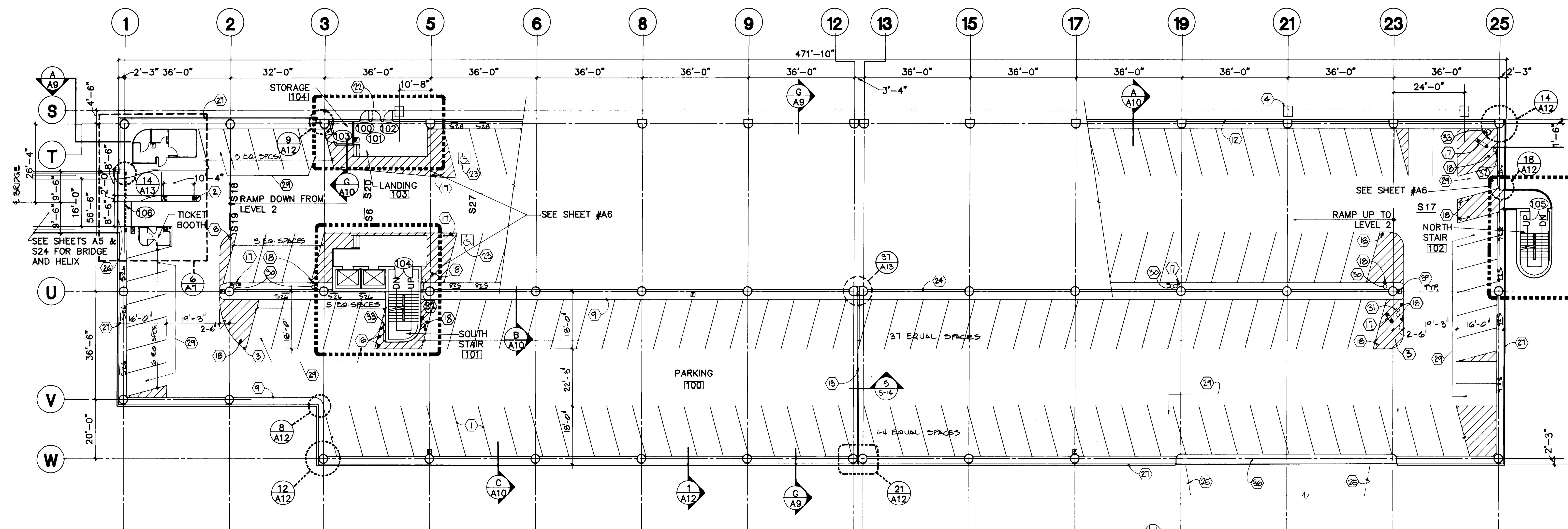
SHEET
A1
OF 6

KEY PLAN

SYMBOLS LEGEND

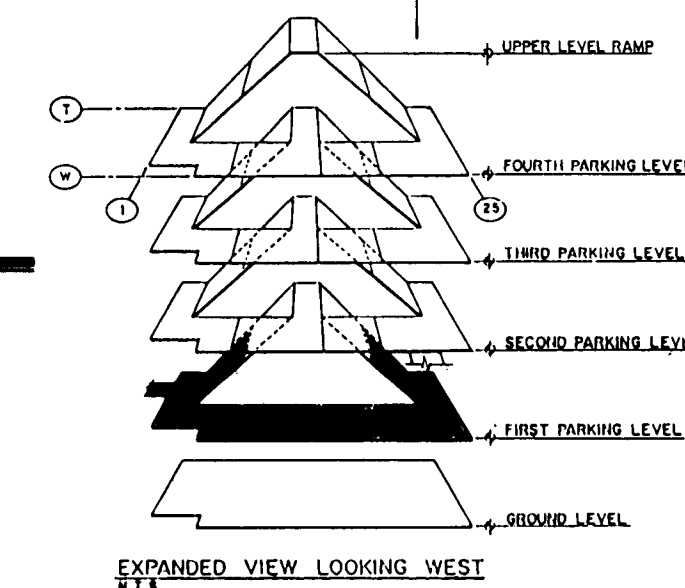
- SECTION, DETAIL NO.
SHEET WHERE DRAWN
- DOOR NUMBER
- ROOM NUMBER
- ARCHITECTURAL PRECAST PANEL, SEE SCHEDULE SHEET A11
- SIGN, SEE SCHEDULE SHEET A14

Civil Engineering & Surveying
2024 12 31 08 91

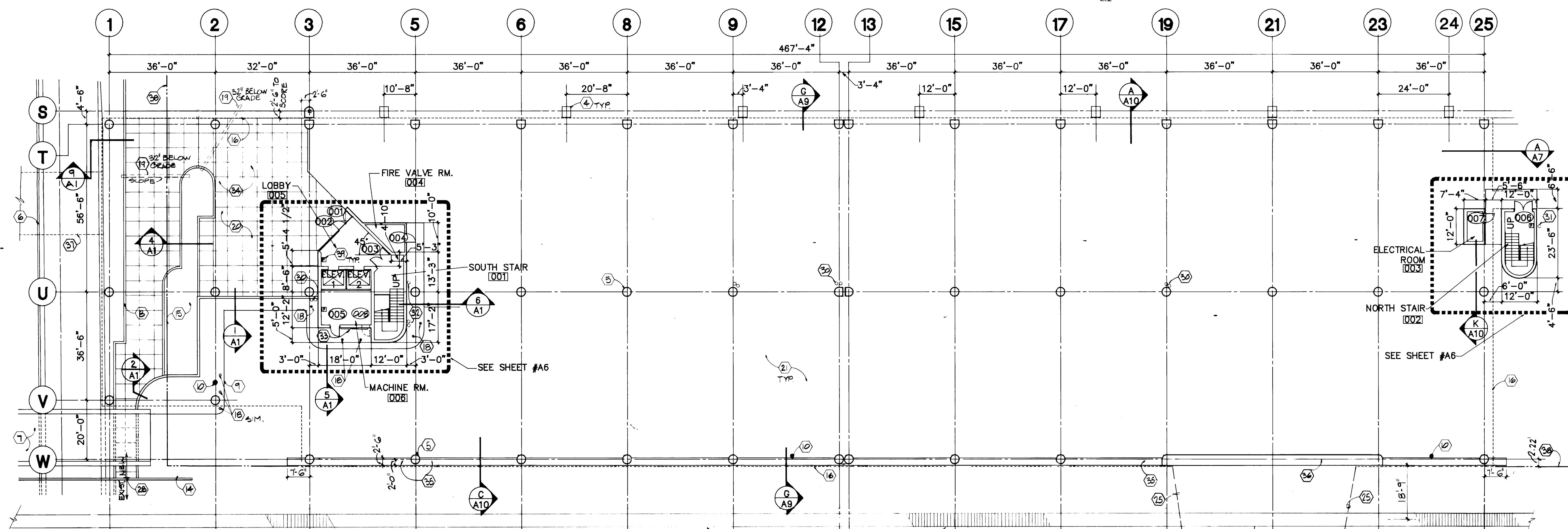


LEVEL 1
F.F. ELEV. 4976.79 (NOMINAL)

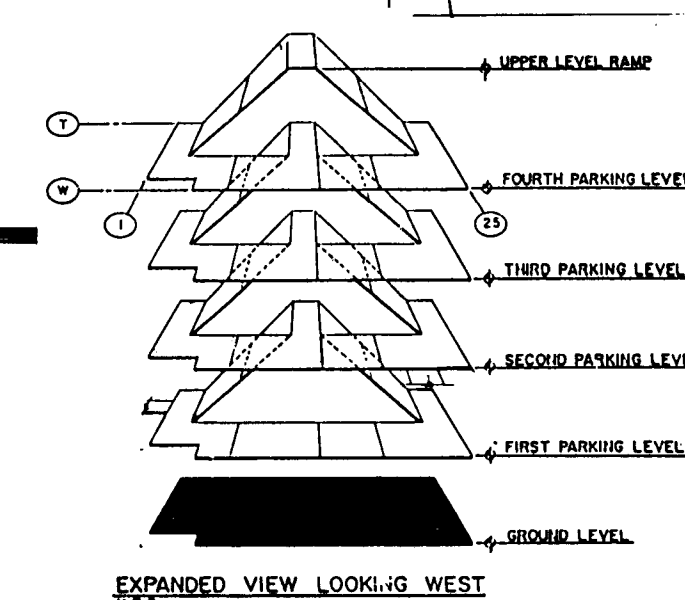
PARKING SPACES	
HANDICAPPED	2
COMPACT	35
STANDARD	101
TOTAL	138



SCALE: 1/16"=1'-0"



GROUND LEVEL PLAN
F.F. ELEV. 4956.79 (NOMINAL)



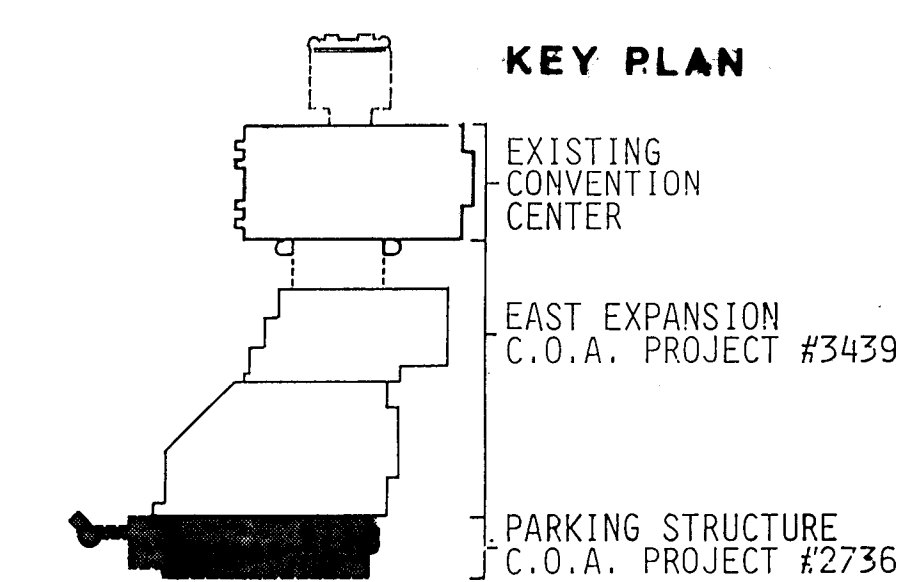
SCALE: 1/16"=1'-0"



KEYED NOTES

1. PAINTED STRIPING, SEE TYPICAL DOUBLE STRIPING DETAIL ON SHEET A-5
2. SEE EXIT PLAN LEVEL ON SHEET A-5
3. PAINTED "NO PARKING" AREAS, TYPICAL 4" STRIPES AT 12" O.C.
4. C.O.A. PROJECT #2244 COLUMNS ALONG GRID "S" ARE SHOWN FOR REFERENCE
5. CAST-IN-PLACE CONCRETE COLUMNS, TYPICAL
6. EXISTING RETAINING WALL
7. TRUCK EXIT BRIDGE - C.O.A. PROJECT #2344
8. RETAINING WALL, SEE 3/A1
9. CONCRETE CURB
10. FIRE HYDRANT
11. SEE SPECIFICATIONS SECTION 11150 FOR PARKING EQUIPMENT
12. 8" C.M.U. WALL - 3 HOUR OCCUPANCY SEPARATION WALL BETWEEN PARKING STRUCTURE AND FUTURE EXHIBIT HALL C.O.A. PROJECT #3439
13. TYPE 2 EXPANSION JOINT - 3 HOUR RATED EXPANSION JOINT BETWEEN LEVEL 1 AND FUTURE LOADING DOCK BELOW C.O.A. PROJECT #3439
14. EXISTING RAILROAD BRIDGE
15. PLANTER, (PLANTING IN C.O.A. PROJECT #3439)
16. LINE OF LEVEL 1 ABOVE
17. TYPE "A" BOLLARD
18. PROVIDE 2-4" PVC SCHED. 40 PIPE SLEEVES FOR C.O.A. PROJ. #3439 IRRIG. SYS. CAP ENDS
19. 4" CONCRETE SLAB
20. SEE SHEET C-1 FOR FINISH GRADES
21. DOORS TO C.O.A. PROJECT #3439 CONCOURSE
22. PAINTED HANDICAPPED SYMBOLS
23. CAST-IN-PLACE CONCRETE WALL BETWEEN LEVEL ONE AND LOADING DOCK BELOW, SEE B/A10
24. PARKING STRUCTURE ENTRANCE/EXIT BRIDGE ABOVE TYPE 1 EXPANSION JOINT
25. ARCHITECTURAL PRECAST PANELS
26. LINE OF NEW/EXISTING SIDEWALK AND RETAINING WALLS (BELOW EXISTING RAILROAD BRIDGE)
27. COMPACT SPACE, USE SIGN S26 AT EACH SPACE
28. ROOF DRAIN LEADER
29. FIRE VALVE
30. WATER RISER
31. ELECTRICAL RISER
32. 1/2" SCORE LINES AT 5'-0" O.C. EXPANSION JOINTS AT 28' O.C.
33. CAST-IN-PLACE CRASH WALL, N/C.
34. CONCRETE BRIDGE PIER
35. EXIT BRIDGE ABOVE TO HELIX
36. PROPERTY LINE
37. FIRE EXTINGUISHER AND CABINET, MOUNT CABINET TOP AT 5'-0" A.F.F.

SEE A4a FOR STRIPING LAYOUT

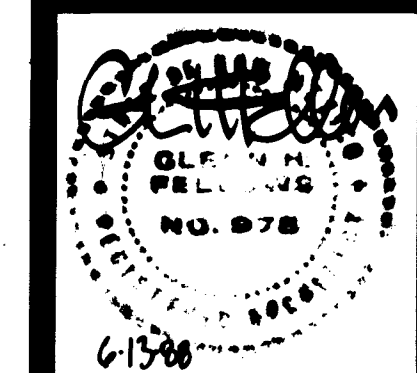


GENERAL NOTES

1. SEE SPECIFICATIONS SECTION 08700 FOR DOOR TYPES, DOOR SCHEDULE AND HARDWARE SCHEDULE
2. SEE SPECIFICATIONS SECTION 09500 FOR ROOM FINISH SCHEDULE

SYMBOLS LEGEND

- SECTION, DETAIL NO., SHEET WHERE DRAWN
- DCOR NUMBER
- ROOM NUMBER
- ARCHITECTURAL PRECAST PANEL, SEE SCHEDULE SHEET A11
- SIGN, SEE SCHEDULE SHEET A14



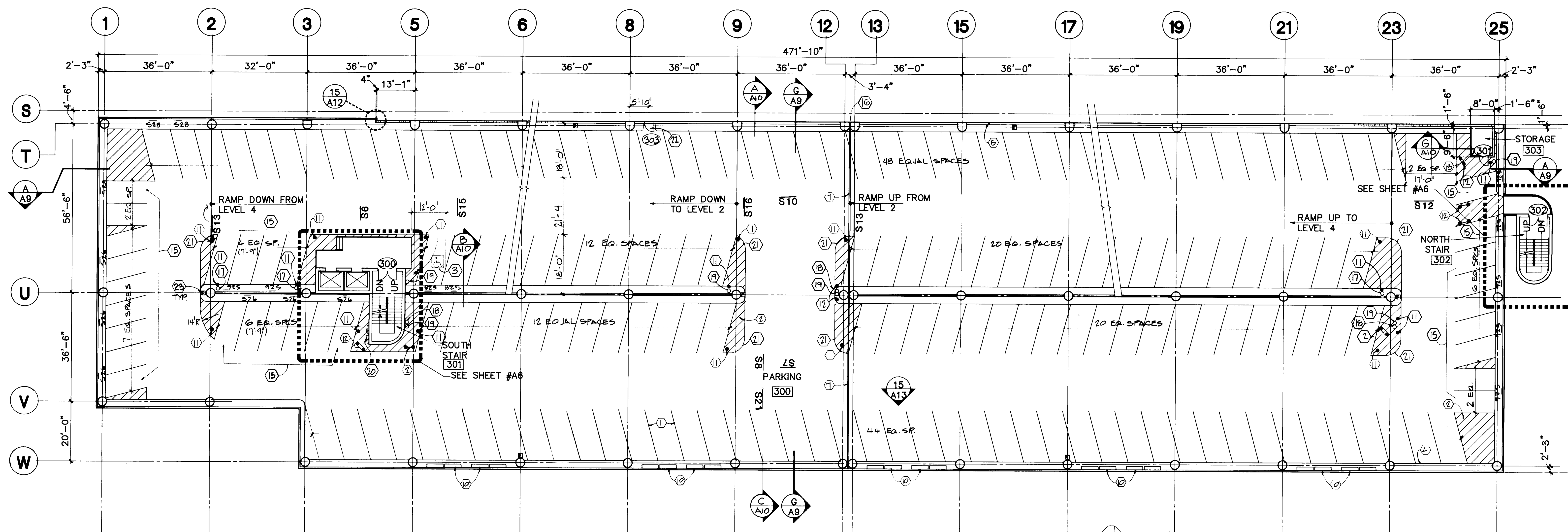
REVISED 4-08 DATE

AS-BUILT 7-4-90

**PARKING STRUCTURE
GROUND LEVEL
& LEVEL ONE PLAN**



SHEET
A2
OF 67

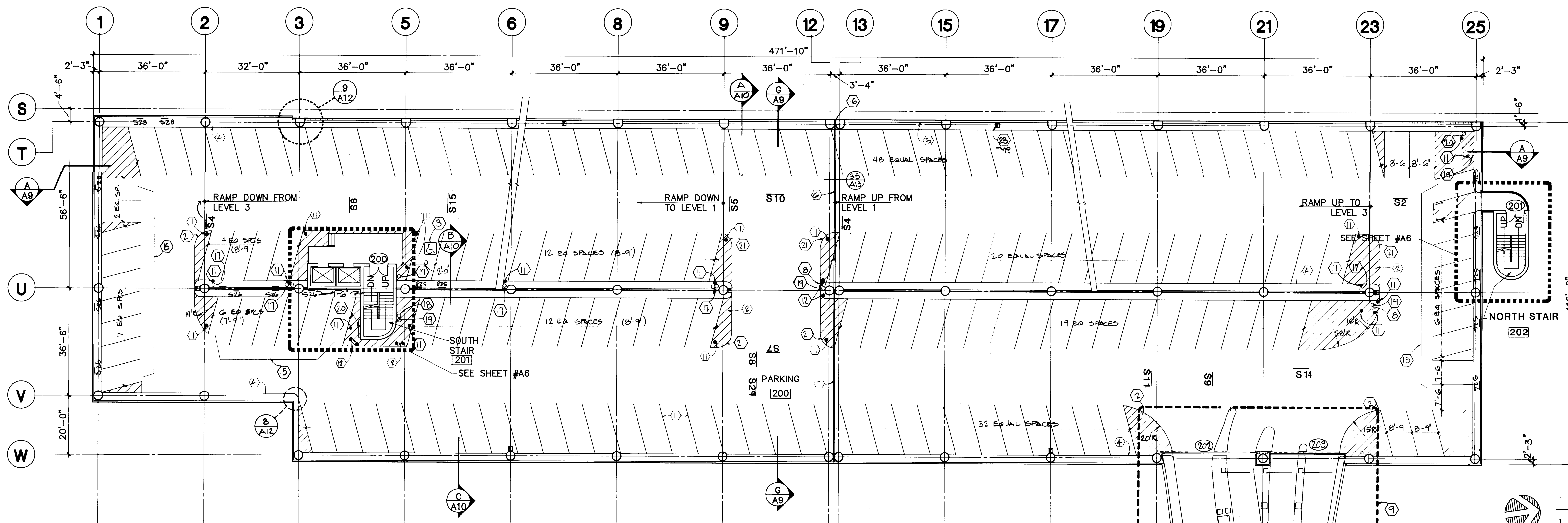


LEVEL 3

F.F. ELEV. = 4997.79 (NOMINAL)

PARKING SPACES

HANDICAPPED	1
COMPACT	28
STANDARD	157
TOTAL	186



LEVEL 2

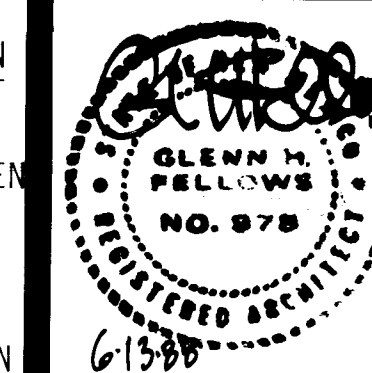
F.F. ELEV. = 4987.29 (NOMINAL)

PARKING SPACES

HANDICAPPED	1
COMPACT	19
STANDARD	155
TOTAL	175

KEYED NOTES

1. PAINTED STRIPING, SEE TYPICAL DOUBLE STRIPING, DETAIL ON SHEET A-5
2. PAINTED "NO PARKING" AREAS, TYPICAL 4" STRIPES AT 12" O.C.
3. PAINTED "HANDICAPPED SYMBOLS"
4. CONCRETE CURB
5. 8" C.M.U. WALL - 3 HOUR OCCUPANCY SEPARATION BETWEEN PARKING STRUCTURE AND FUTURE EXHIBIT HALL (C.O.A. PROJECT NUMBER 3439)
6. TYPE 2 EXP. JT. - 3 HR. RATED EXP. JT. BETWEEN TOP OF RAMP ON LEVEL 1 & C.O.A. PROJ. #3439
7. TYPE 2 EXPANSION JOINT 35/A13
8. TYPE 1 EXPANSION JOINT 36/A13
9. SEE SHEET A-5 FOR GRAND AVE. ENTRY/EXIT PLAN
10. PLANTERS, SEE 19/A13
11. TYPE "A" BOLLARD
12. TYPE "B" BOLLARD
13. SEE 6/A10 FOR WALL CONSTRUCTION
14. ARCHITECTURAL PRECAST PANELS
15. COMPACT SPACES, USE SIGN S26 AT EACH SPACE
16. 3 HOUR FIRESTOPPING MATERIAL, SEE 37/A13
17. ROOF DRAIN LEADER
18. FIRE VALVE
19. WATER RISER
20. ELECTRICAL RISER
21. RADIUS = 5 FEET
22. DOOR TO C.O.A. PROJECT #3439 CATWALK
23. FIRE EXTINGUISHER AND CABINET, MOUNT CABINET TOP AT 5'-0" A.F.F.



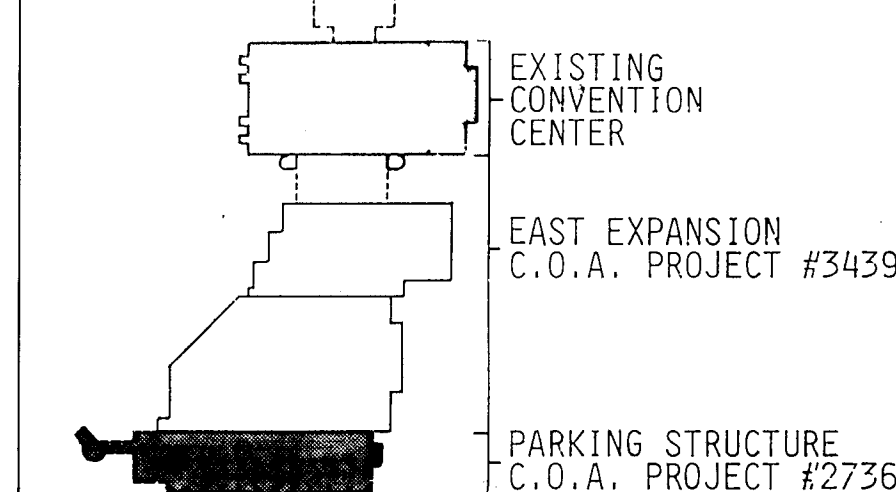
REVISED 4-98 DATE
AS-BUILT 7-4-90

DRAWN BY: C.A.T. CHECKED BY: G.F.

PARKING STRUCTURE LEVEL TWO & LEVEL THREE PLAN

SEE A4a FOR
STRIPING LAYOUT

KEY PLAN



GENERAL NOTES

1. SEE SPECIFICATIONS SECTION 08700 FOR DOOR TYPES, DOOR SCHEDULE AND HARDWARE SCHEDULE
2. SEE SPECIFICATIONS SECTION 09900 FOR ROOM FINISH SCHEDULE

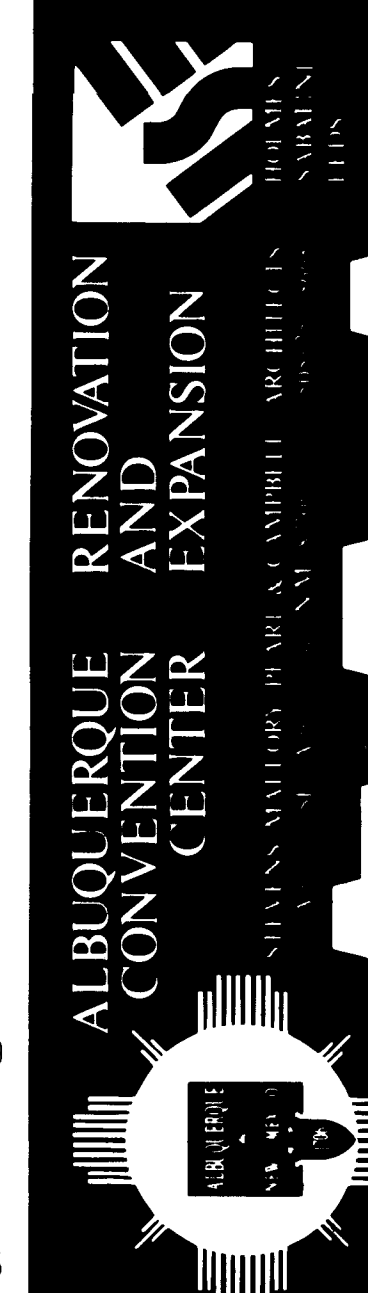
SYMBOLS LEGEND

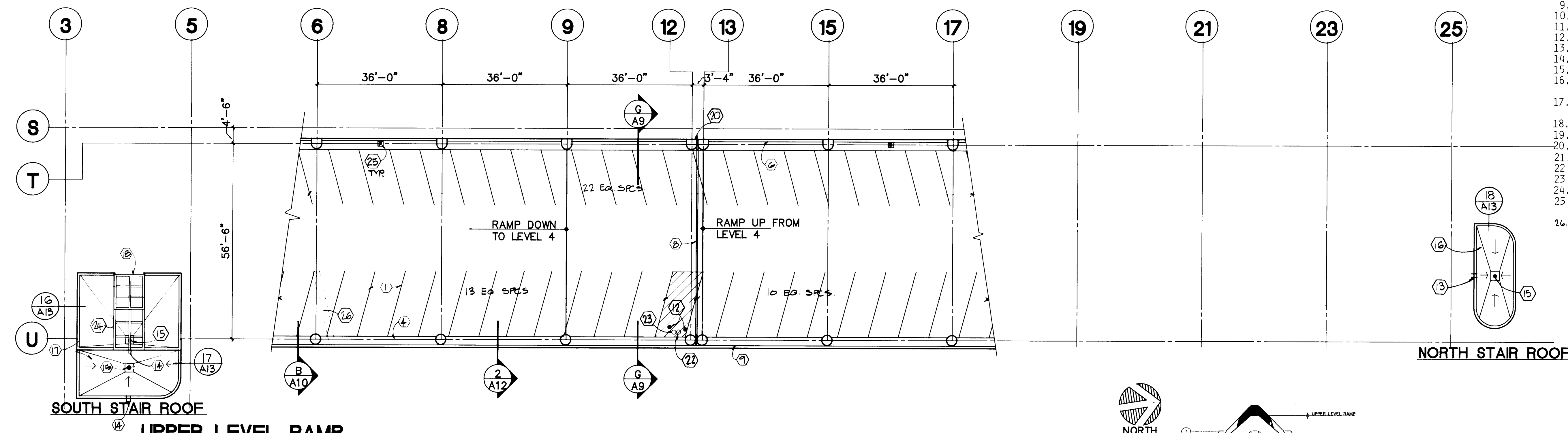
- SECTION, DETAIL NO. SHEET WHERE DRAWN
- DOOR NUMBER
- ROOM NUMBER
- ARCHITECTURAL PRECAST PANEL, SEE SCHEDULE SHEET A11
- SIGN, SEE SCHEDULE SHEET A14

SHEET

A3

OF 61

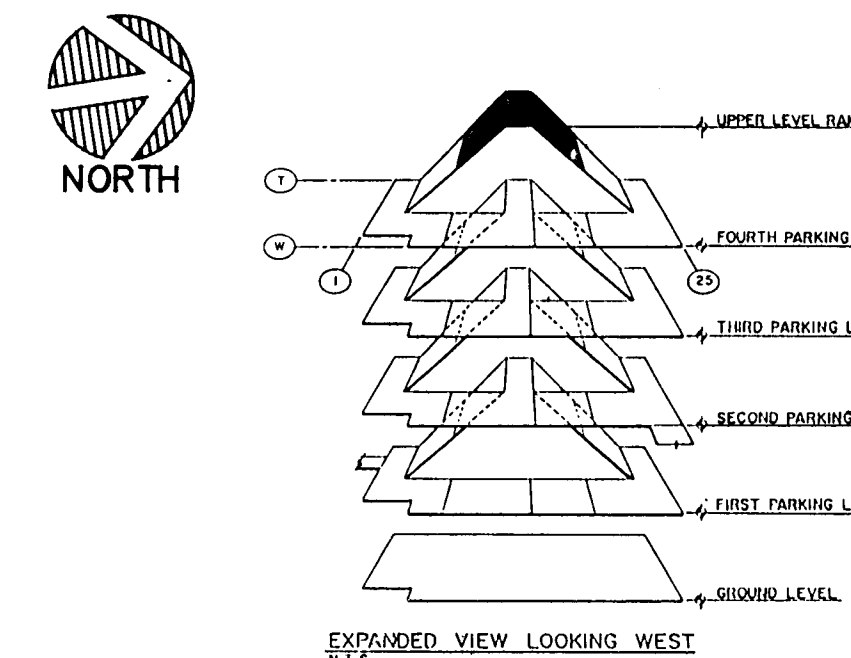




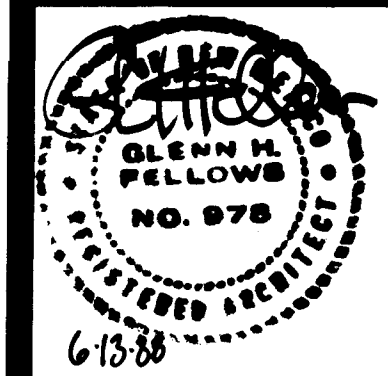
UPPER LEVEL RAMP
F.F. TOP OF RAMP = 5018.79

PARKING SPACES	
HANDICAPPED	0
COMPACT	0
STANDARD	45
TOTAL	45

SCALE: 1/16"=1'-0"

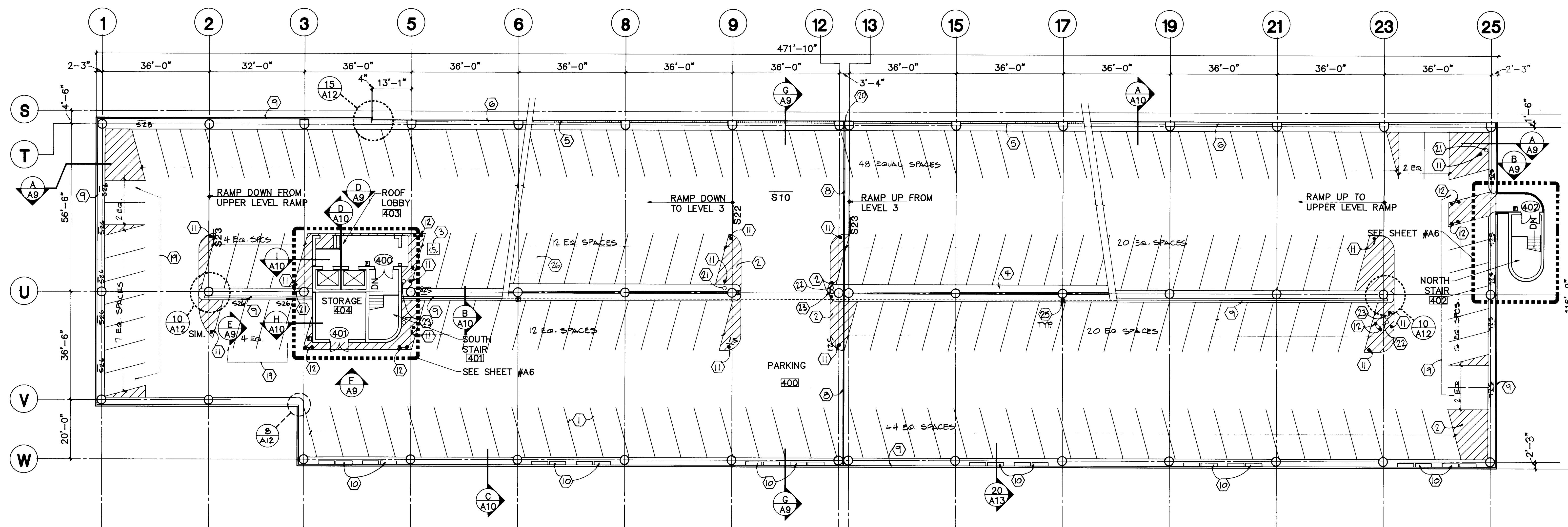


- KEYED NOTES**
1. PAINTED STRIPING, SEE TYPICAL DOUBLE STRIPING DETAIL ON SHEET A-5
 2. PAINTED "NO PARKING" AREAS, TYPICAL 4" STRIPES AT 12" O.C.
 3. PAINTED "HANDICAPPED" SYMBOLS
 4. CONCRETE CURB
 5. 8" C.M.U. WALL - 3 HOUR OCCUPANCY SEPARATION BETWEEN PARKING STRUCTURE AND FUTURE EXHIBIT HALL, C.O.A. PROJECT # 3439
 6. CAST-IN-PLACE CONCRETE WALL, SEE A/A10
 7. TYPE 2 EXPANSION JOINT
 8. TYPE 1 EXPANSION JOINT
 9. ARCHITECTURAL PRECAST PANELS
 10. PLANTERS, SEE 19/A13
 11. TYPE "A" BOLLARD
 12. TYPE "B" BOLLARD
 13. OVERFLOW SCUPPER, SEE 24/A13
 14. OVERFLOW SCUPPER, SEE 25/A13
 15. ROOF DRAIN, SEE 23/A13 AND PLUMBING SHEETS
 16. ROOF SLOPES ACHIEVED WITH TAPERED EPS INSULATION
 17. ROOF SLOPES ACHIEVED WITH SLOPING INSULATING CEMENTITIOUS FILL
 18. SKYLIGHT SYSTEM W/ 1/4" GLASS SEE 26/A13
 19. COMPACT SPACES, USE SIGN S26 AT EACH SPACE
 20. 3 HOUR FIRESTOPPING MATERIAL, SEE 37/A13
 21. ROOF DRAIN LEADER
 22. FIRE VALVE
 23. WATER RISER
 24. SKYLIGHT FRAMING SYSTEM ONLY
 25. FIRE EXTINGUISHER AND CABINET, MOUNT CABINET TOP AT 5'-0" A.F.F.
 26. ASPHALT BERM TO DIVERT WATER



REVISION 4-88 DATE
AS-BUILT 7-4-90

**PARKING STRUCTURE
LEVEL FOUR, UPPER RAMP
& ROOF PLAN**



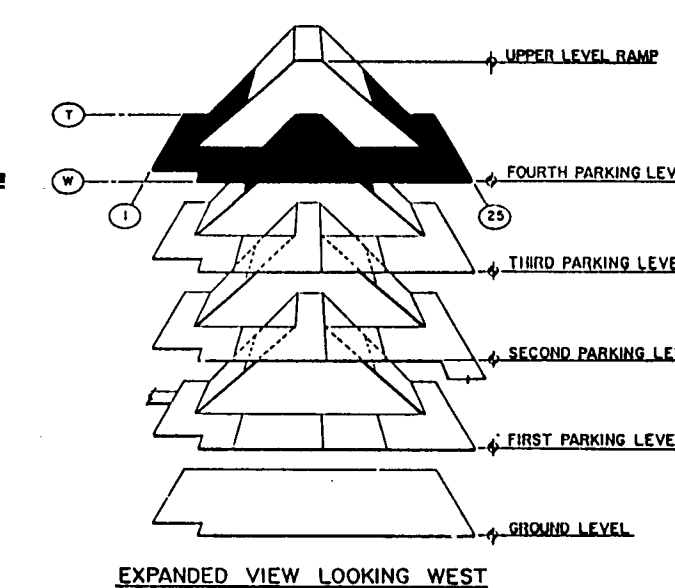
LEVEL 4

F.F. ELEV. = 5008.29

PARKING SPACES	
HANDICAPPED	1
COMPACT	22
STANDARD	161
TOTAL	184

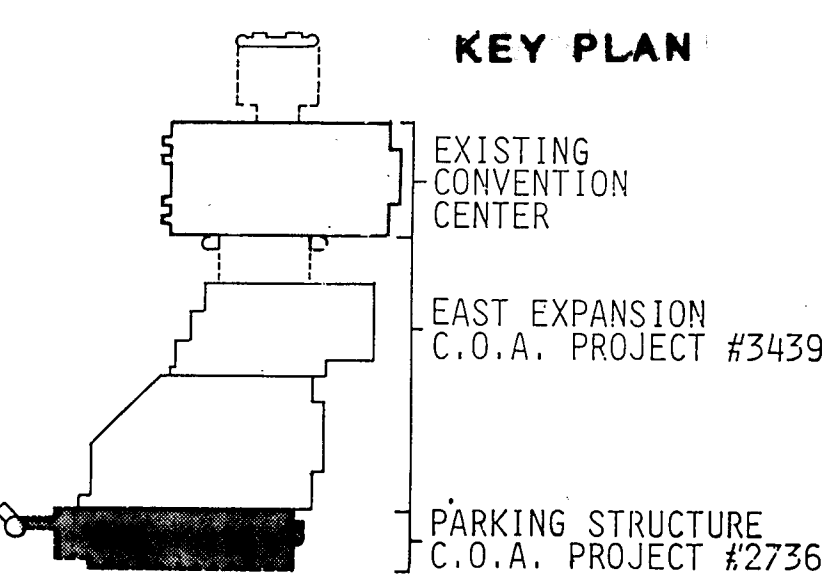
SCALE: 1/16"=1'-0"

GRAPHIC SCALE: 1/16"=1'-0"
0' 10' 25' 50'

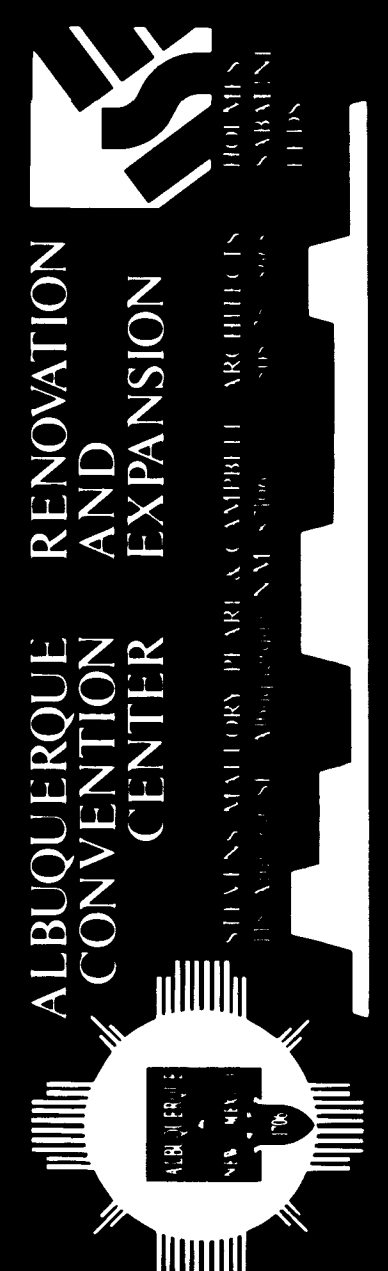


- GENERAL NOTES**
1. SEE SPECIFICATIONS SECTION 08700 FOR DOOR TYPES, DOOR SCHEDULE AND HARDWARE SCHEDULE
 2. SEE SPECIFICATIONS SECTION 09900 FOR ROOM FINISH SCHEDULE

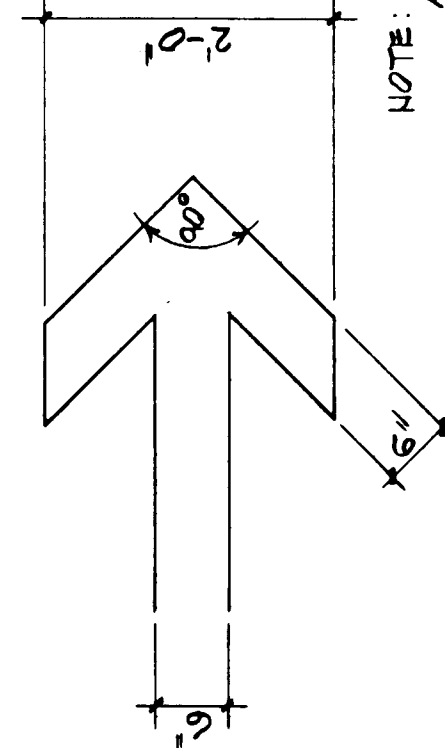
- SYMBOLS LEGEND**
- SECTION, DETAIL NO., SHEET WHERE DRAWN
 - DOOR NUMBER
 - ROOM NUMBER
 - ARCHITECTURAL PRECAST PANEL, SEE SCHEDULE SHEET A11
 - SIGN, SEE SCHEDULE SHEET A14



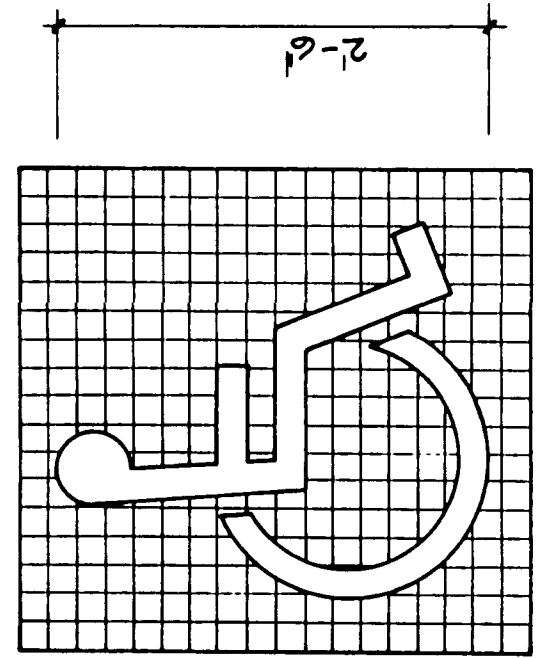
SEE A4a FOR STRIPING LAYOUT



SHEET
A4
OF 67



NOTE:
ALL STRIPING &
AREAS TO BE
PAINTED YELLOW

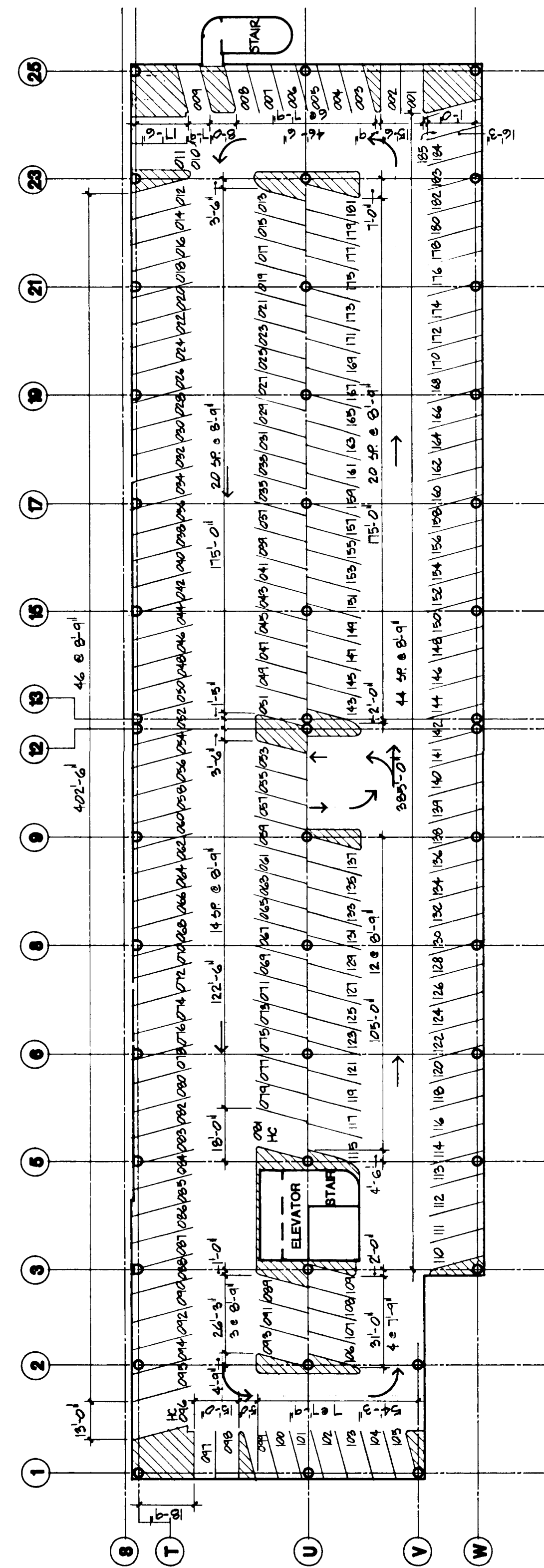


6x Proportions

TYPICAL DIRECTIONAL ARROW
3/4" = 1'-0"

TYPICAL HANDICAP SYMBOL
N.T.S.

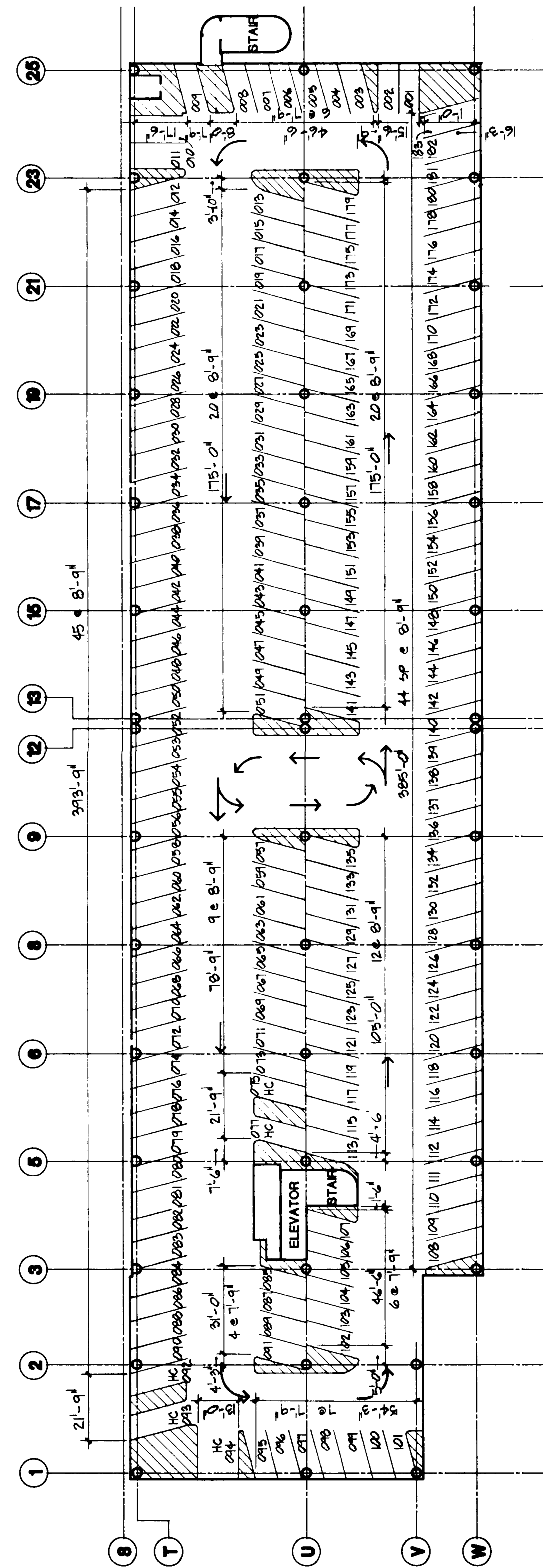
STANDARD	151
COMPACT	22
HANDICAP	2
TOTAL	185



LEVEL 4 ALL SPACES THIS LEVEL PRECEDED WITH THE DIGIT 4, I.E. 4-144



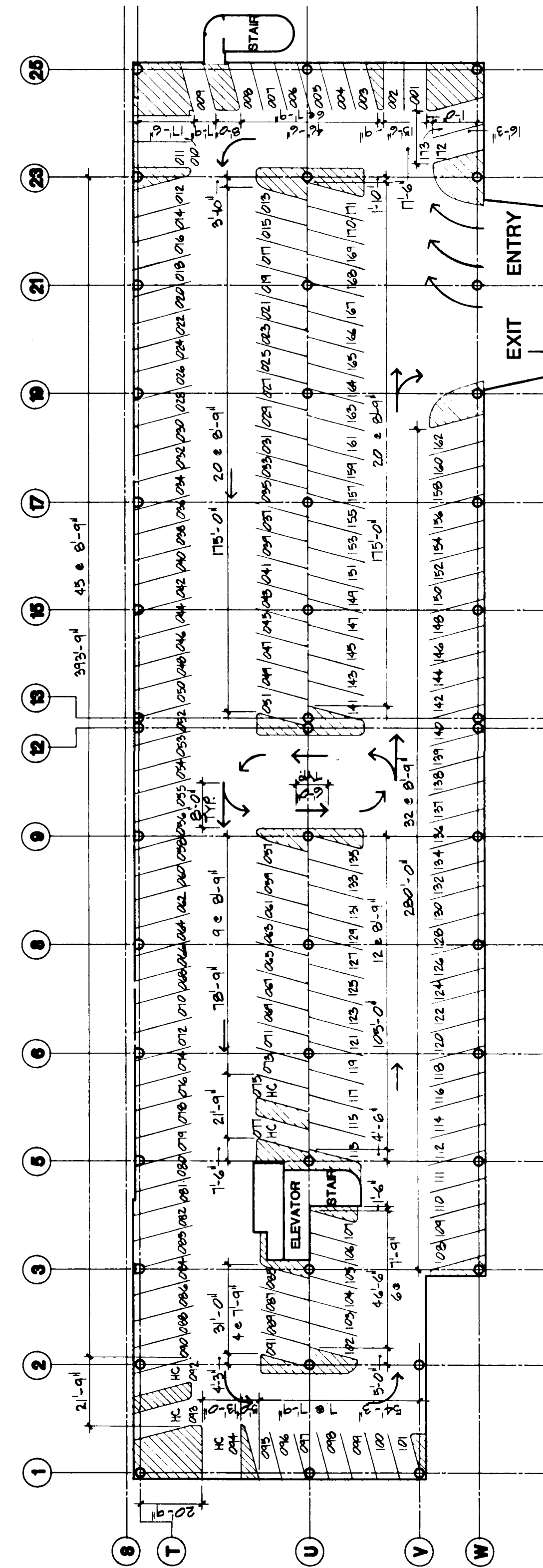
STANDARD	152
COMPACT	26
HANDICAP	5
TOTAL	183



LEVEL 3 ALL SPACES THIS LEVEL PRECEDED WITH THE DIGIT 3, I.E. 3-144



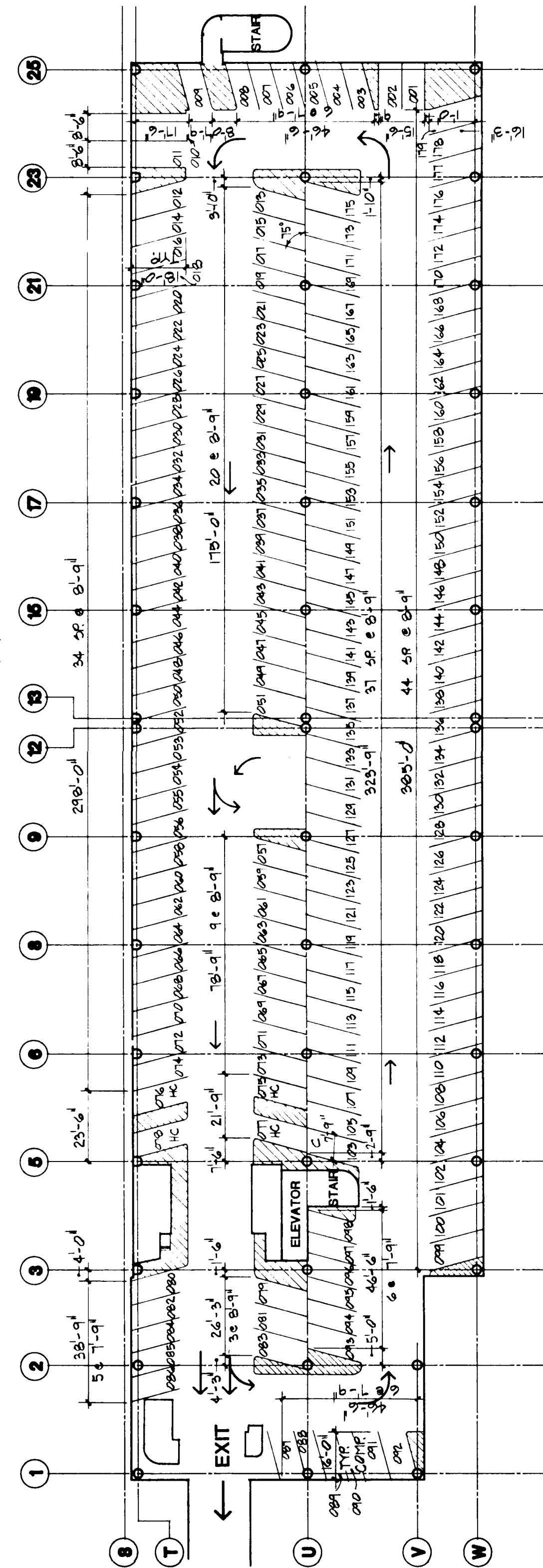
STANDARD	142
COMPACT	26
HANDICAP	5
TOTAL	173



LEVEL 2 ALL SPACES THIS LEVEL PRECEDED WITH THE DIGIT 2, I.E. 2-144



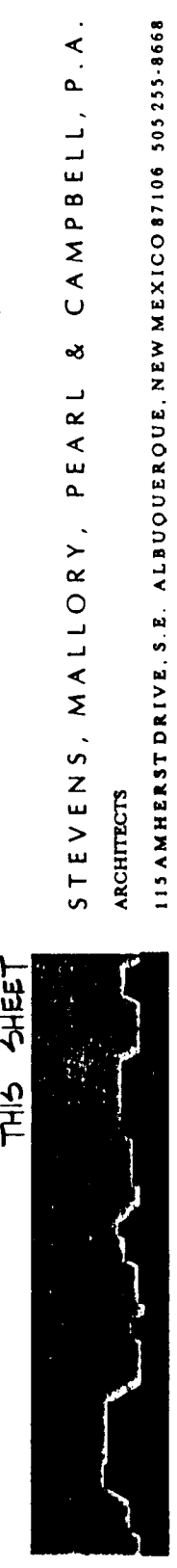
STANDARD	149
COMPACT	26
HANDICAP	4
TOTAL	179



LEVEL 1 ALL SPACES THIS LEVEL PRECEDED WITH THE DIGIT 1, I.E. 1-144

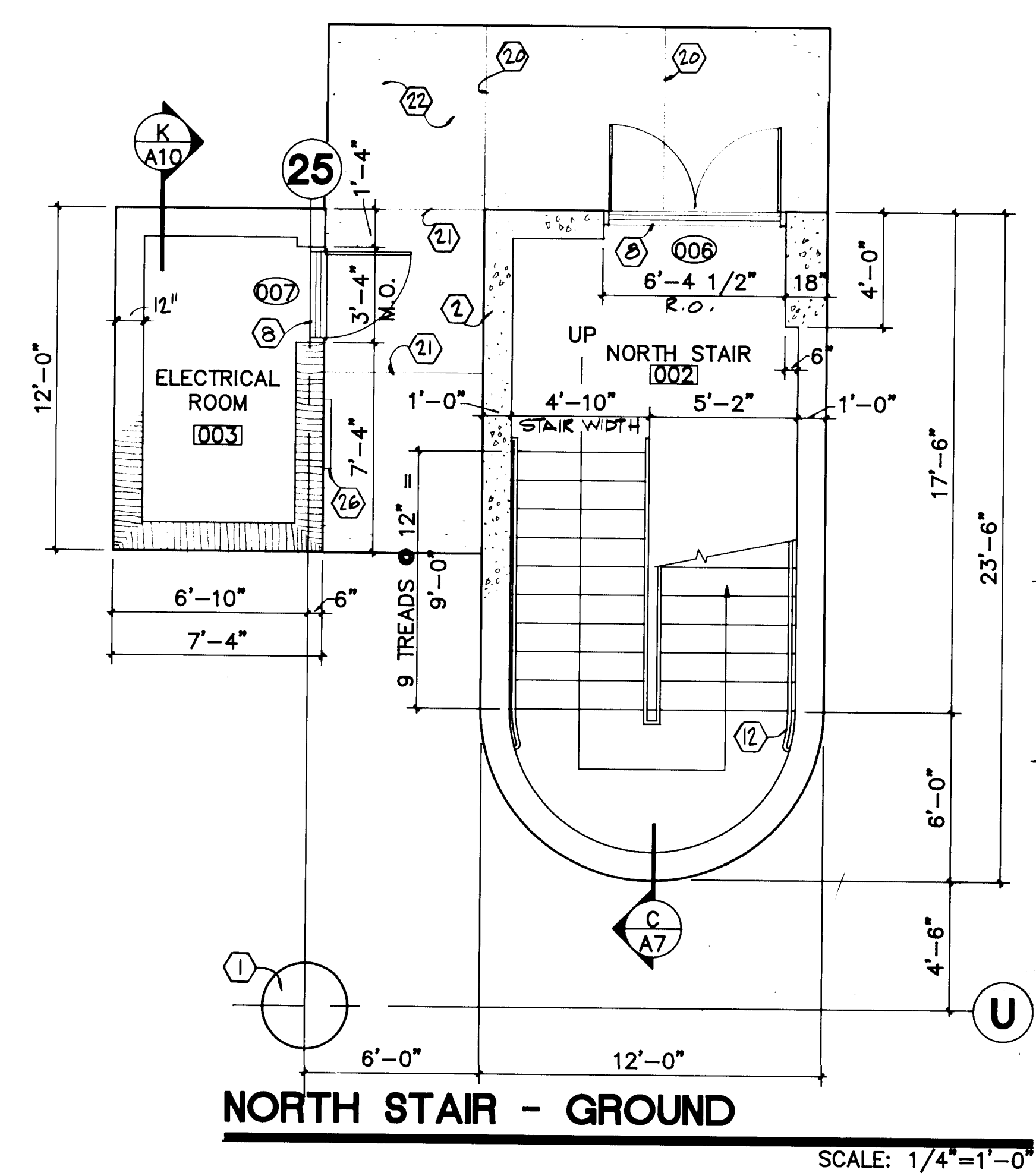
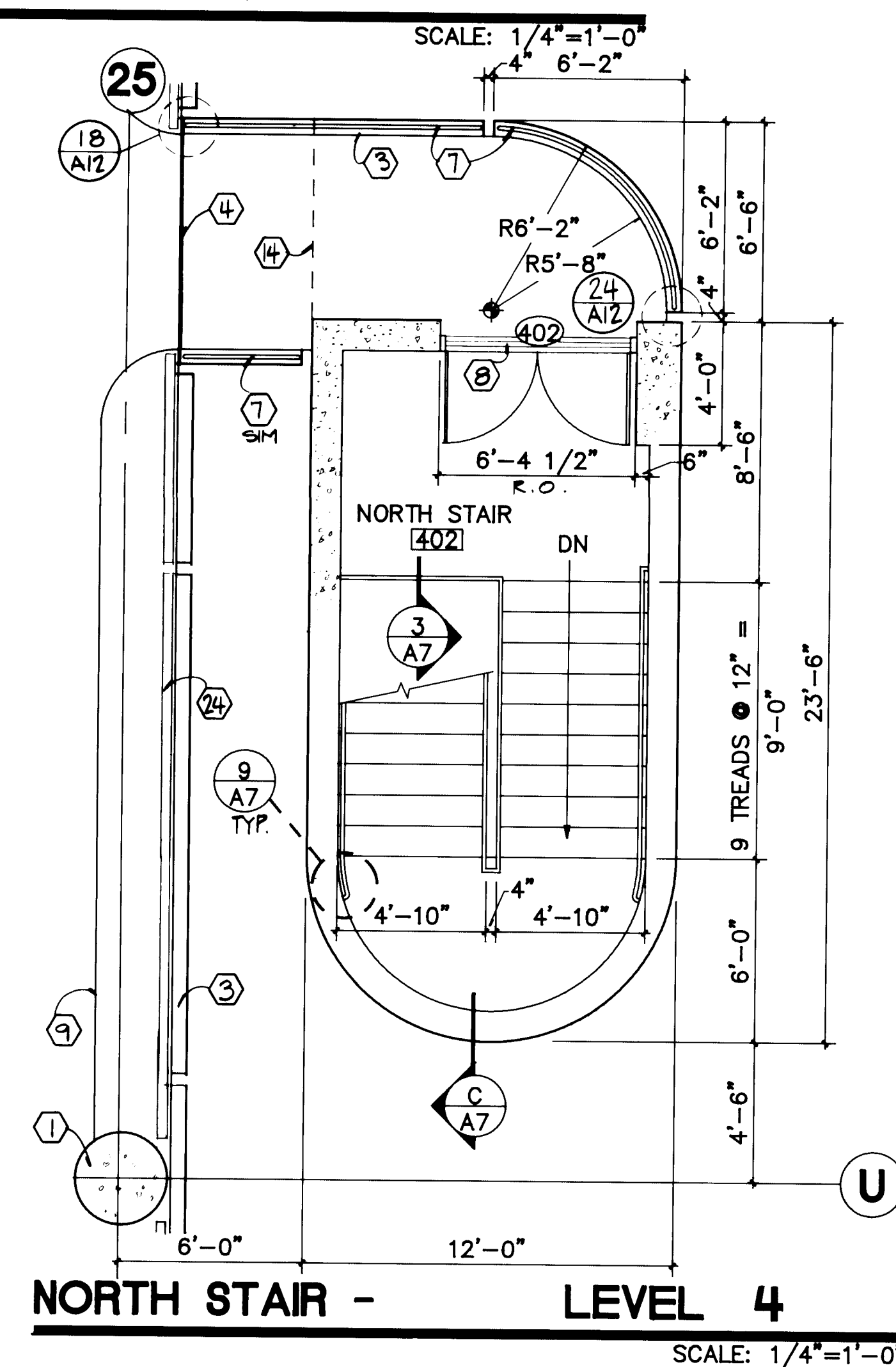
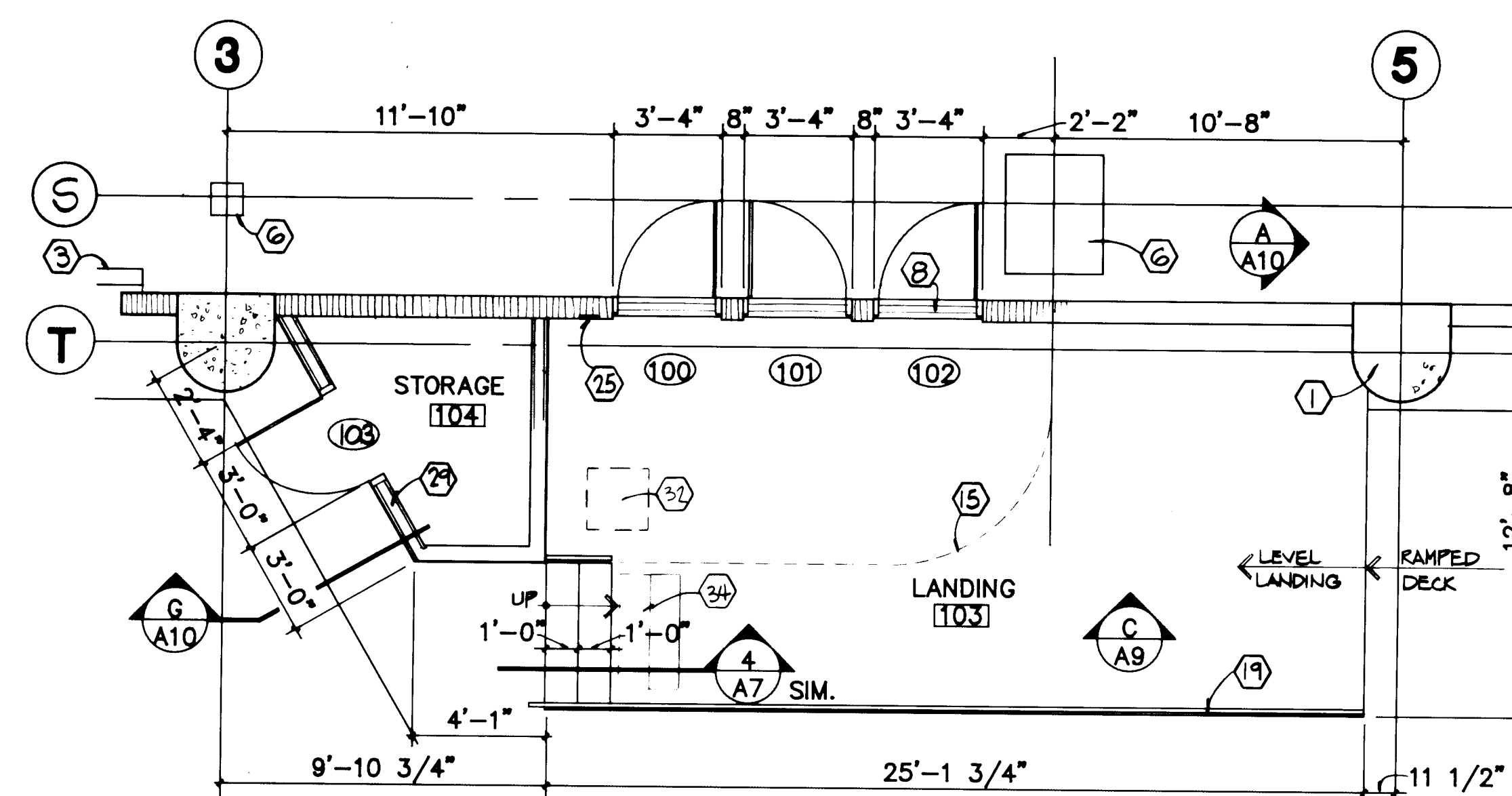
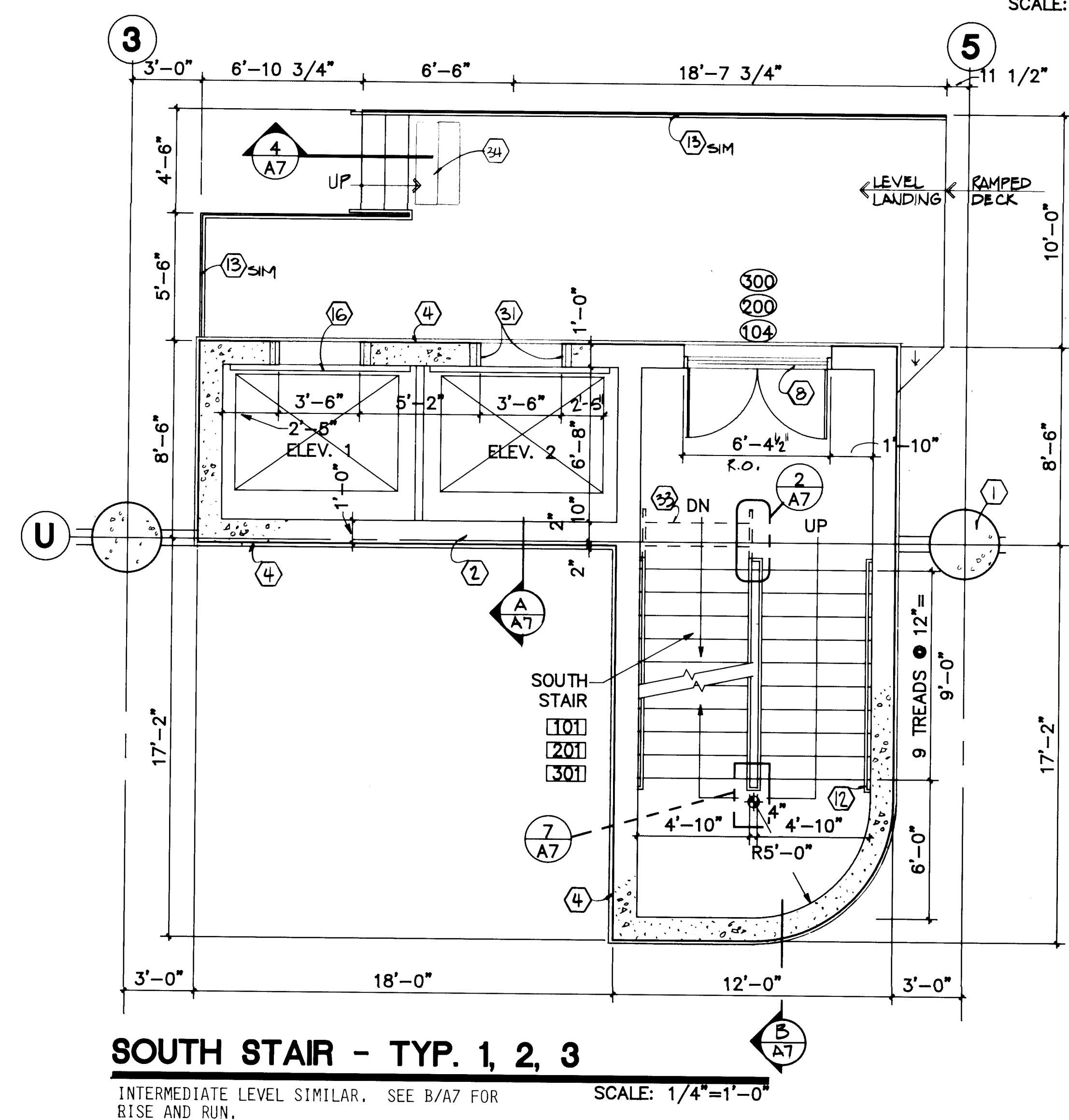
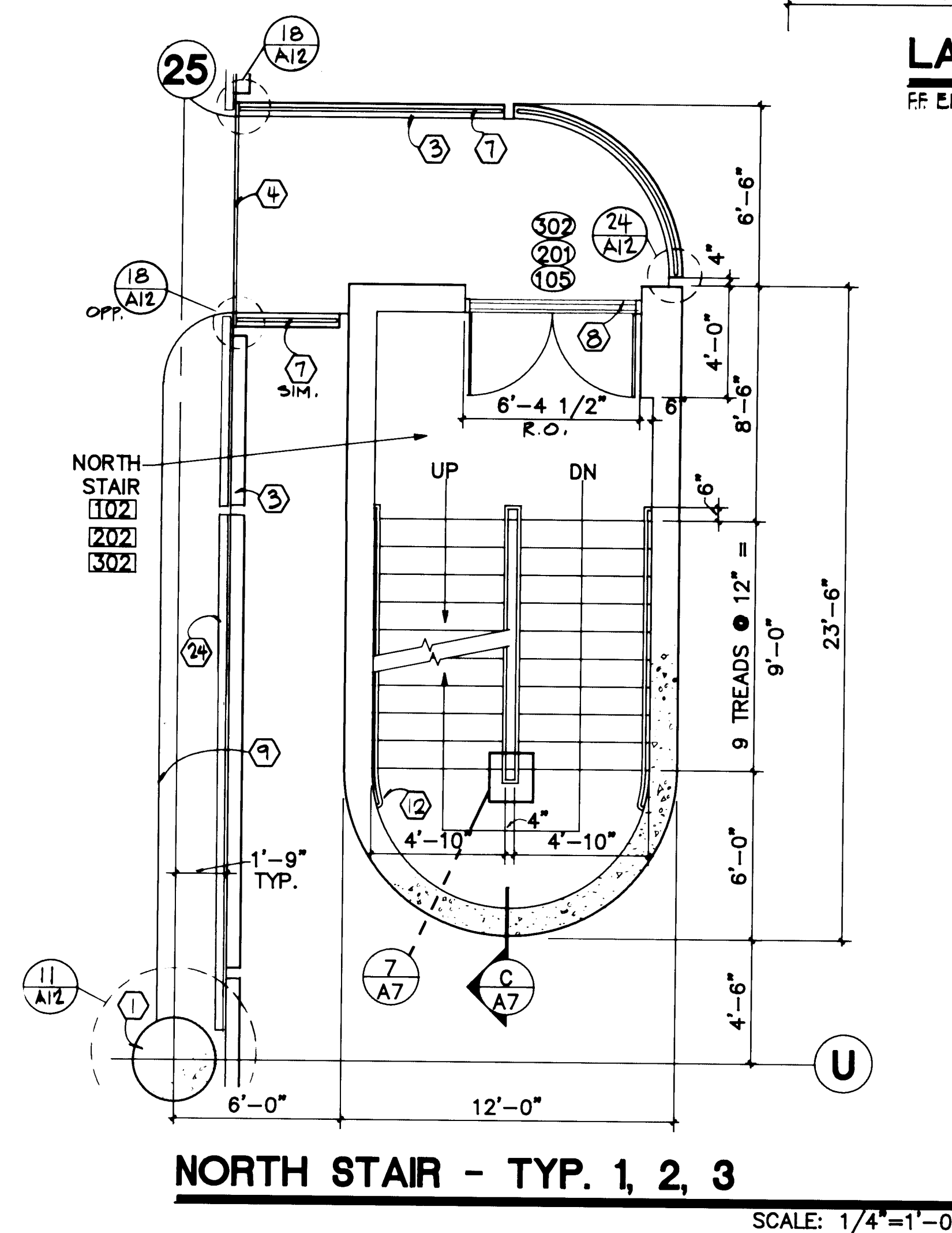
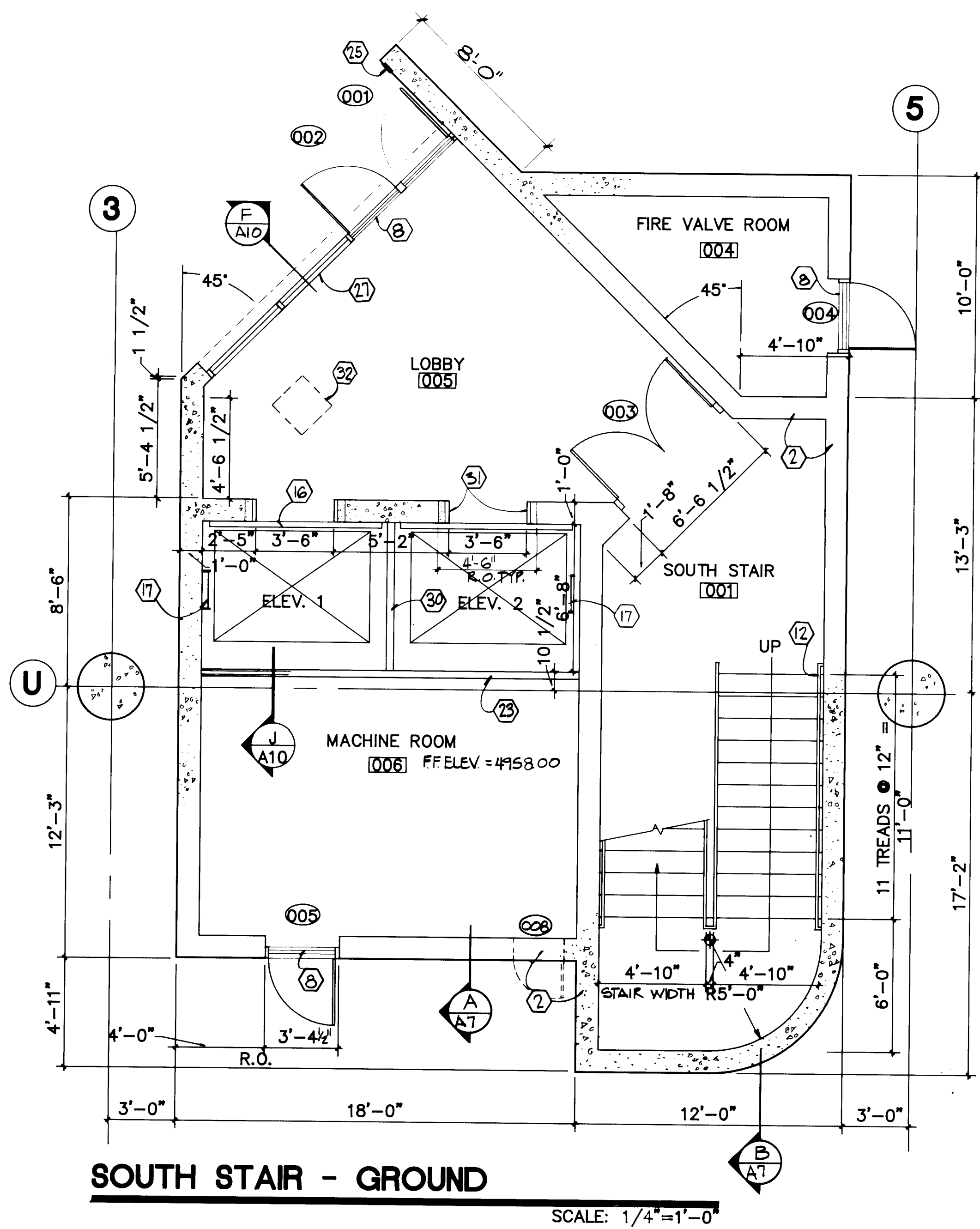
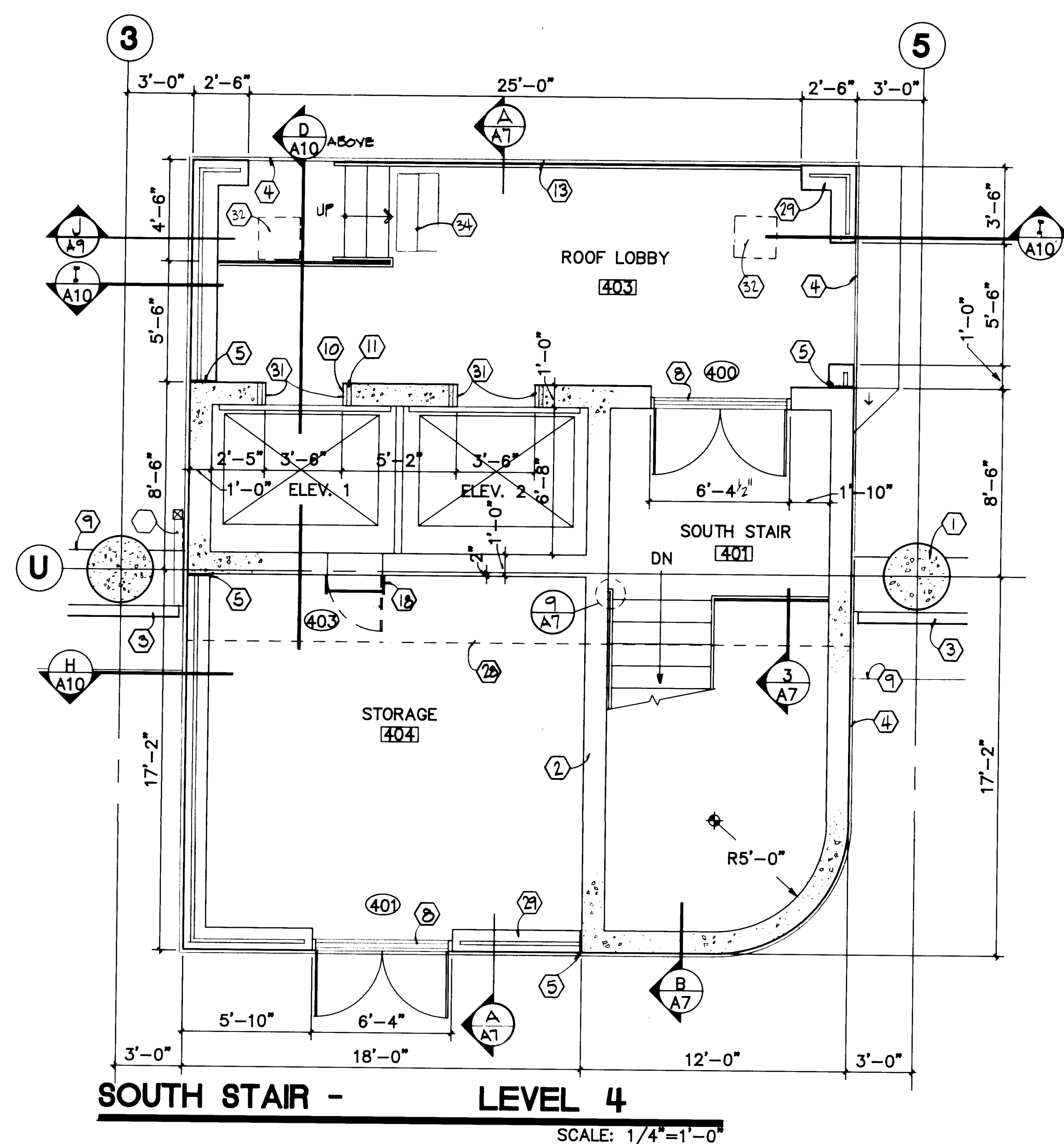


GENERAL NOTES:
SEE 3/A-6 FOR STRIPING DETAILS & NUMBERING LAYOUT
HC - SPACE TO RECEIVE PAINTED 'H' SYMBOL THE, SEE DETAIL THIS SHEET



STEVENS, MALLORY, PEARL & CAMPBELL, P.A.
ARCHITECTS
131 AMHERST DRIVE, S.E. ALBUQUERQUE, NEW MEXICO 87105-2045

ALBUQUERQUE CONVENTION CENTER
PARKING STRUCTURE
REVISED STRIPING LAYOUT
JULY 28 1989



- KEYED NOTES
1. CAST-IN-PLACE CONCRETE COLUMN
 2. CAST-IN-PLACE CONCRETE WALL
 3. ARCHITECTURAL PRECAST CONCRETE PANELS
 4. TYPE 3 EXPANSION JOINT, FLOOR TO FLOOR AT OPENINGS, FLOOR TO WALL AT WALLS, SEE34A/13
 5. TYPE 1 EXPANSION JOINT, CAULK AND BACKER ROD EACH SIDE
 6. C.O.A. PROJECT #3439 COLUMNS AT GRID "5" SHOWN FOR REFERENCE
 7. GUARDRAIL, SEE 8/A/9 AND 33/A/13
 8. METAL THRESHOLD, TYPICAL
 9. CONCRETE CURB
 10. HOISTWAY FRAME BY ELEVATOR MANUFACTURER
 11. GROUT FILL
 12. HANDRAIL, SEE 8 AND 9/A/7
 13. GUARDRAIL, SEE 8/A/9
 14. LINE OF ROOF OVERHANG ABOVE
 15. LINE OF CEILING FURR DOWN ABOVE, SEE REFLECTED CEILING PLAN ON SHEET A5
 16. HOISTWAY SILL ANGLE, TYPICAL AT EACH LANDING
 17. ELEVATOR PIT LADDER, VERIFY LOCATION WITH ELEVATOR MANUFACTURER, SEE 27/A/13
 18. LADDER TO DOOR #03 ABOVE, ACCESS TO ELEVATOR SHAFTS, SEE 28/A/13
 19. GUARDRAIL, SEE C/A/9
 20. SCORE LINE
 21. 1/2" EXPANSION JOINT
 22. 4" CONCRETE SLAB ON GRADE
 23. 2 HOUR SHAFT WALL, COORDINATE INSTALLATION WITH ELEVATOR MANUFACTURER
 24. GUARDRAIL, SEE 8/A/9 AND A12, TYPICAL
 25. CARD READER FOR DOOR ACCESS
 26. ELECTRICAL METERING DEVICES, SEE ELECTRICAL DRAWINGS
 27. STOREFRONT SYSTEM
 28. LINE OF CEILING HEIGHT CHANGE
 29. METAL STUD PARTITION
 30. RAIL BEAM SEE STRUCTURAL
 31. PAINT FLOOR NUMBER "10" HIGH LETTERS AT EACH ELEVATOR DOOR JAMB, SEE A/A/7
 32. CEILING ACCESS PANEL
 33. RISERS AT INTERMEDIATE LEVEL AND LEVEL ONE.
 34. TACTILE WARNING SURFACE
 35. GULLY, GUTTER & DOWNSPOUT

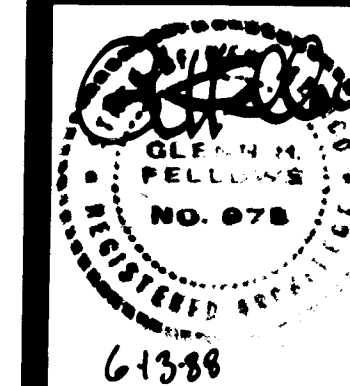
- GENERAL NOTES
1. SEE SPECIFICATIONS SECTION 08700 FOR DOOR TYPES, DOOR SCHEDULE AND HARDWARE SCHEDULE
 2. SEE SPECIFICATIONS SECTION 09900 FOR ROOM FINISH SCHEDULE

- SYMBOLS LEGEND**
- | | |
|---|---|
|  | SECTION, DETAIL NO.
SHEET WHERE DRAWN |
|  | DOOR NUMBER |
|  | ROOM NUMBER |
|  | ARCHITECTURAL PRECAST PANEL, SEE SCHEDULE SHEET A11 |
|  | SIGN, SEE SCHEDULE SHEET A14 |

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

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11
26			27	36	14	91				



REVISED	4-88	DATE
AS-BUILT	7-4-90	

DRAWN BY CAD/LB	CHECKED BY CUE
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KING STRUCTURE ENLARGED PLANS



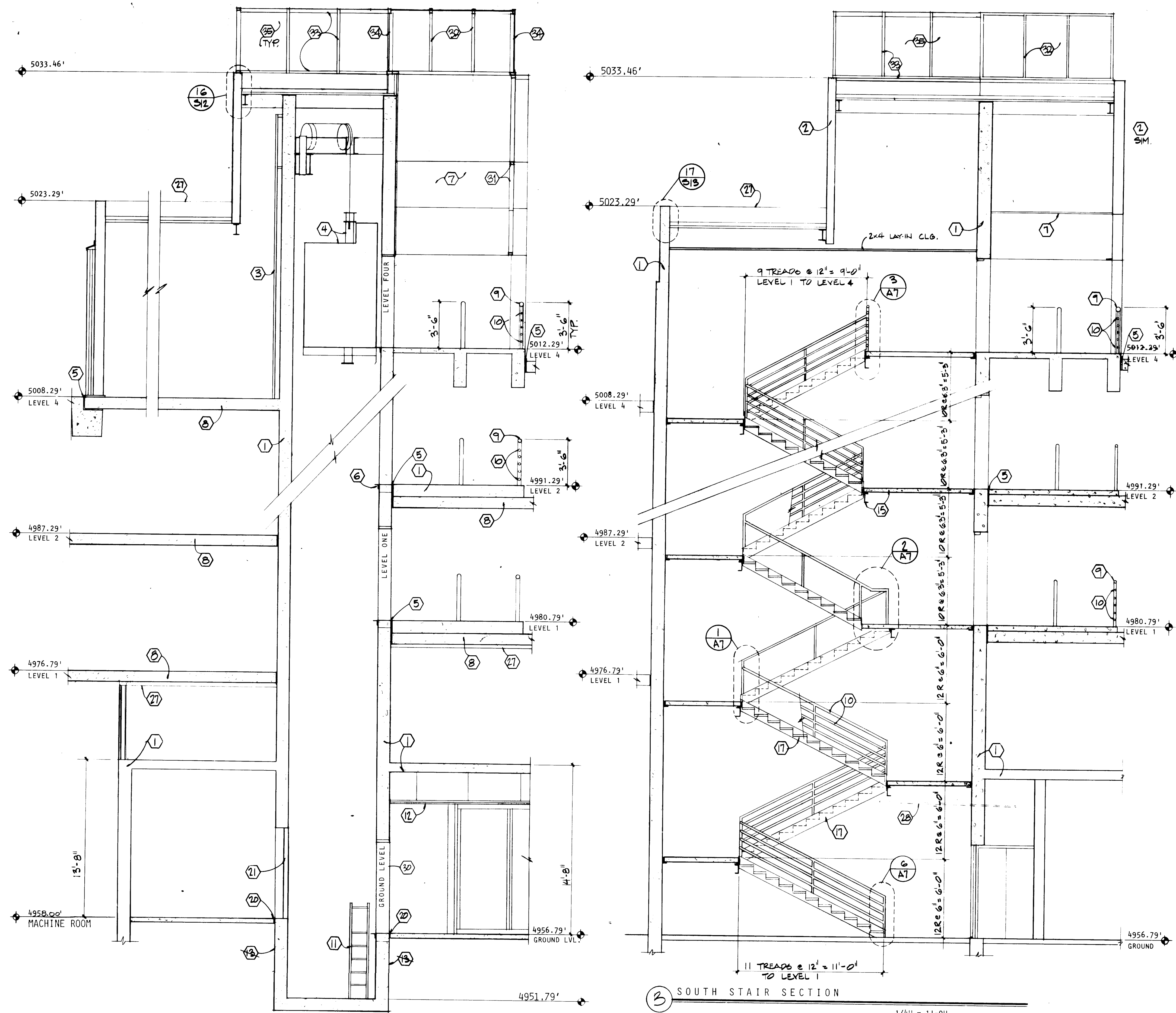
VERQUE
VENTION
CENTER
RENOVATION
AND
EXPANSION



SHEET

A6

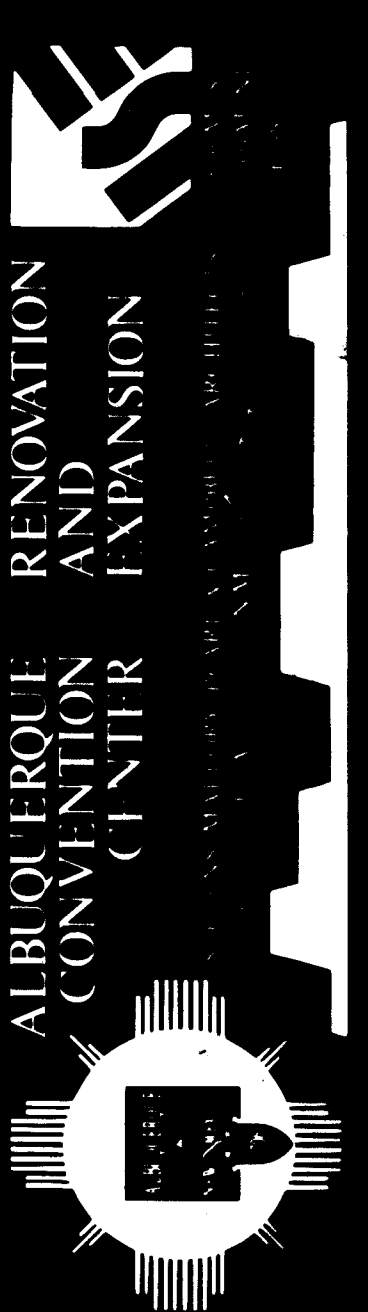
OF 67

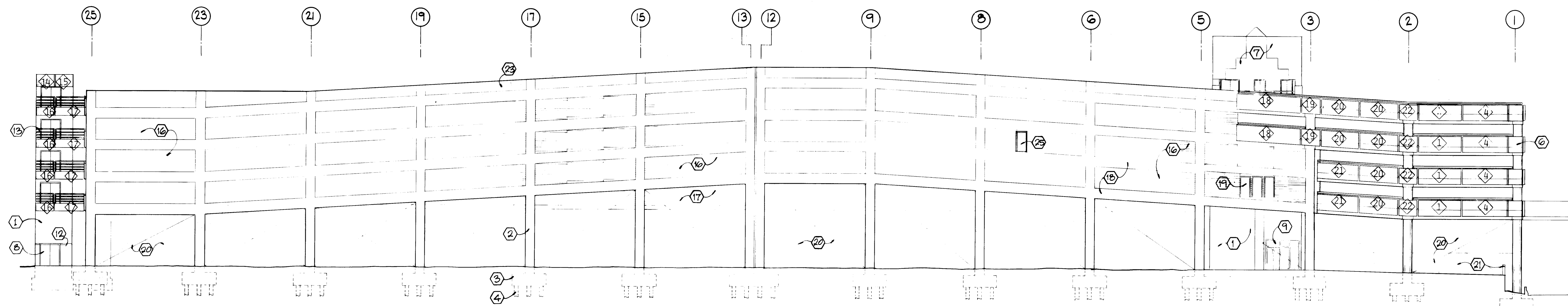


KEYED NOTES

1. CAST-IN-PLACE CONCRETE, SEE STRUCTURAL
2. SEE J/A9 FOR ENLARGED WALL SECTION
3. STEEL LADDER, SEE 27/A13 AND 28/A13
4. ELEVATOR, SEE SPECIFICATIONS
5. EXPANSION JOINT, TYPE 3
6. SILL SUPPORT ANGLE 4" X 4" X 3/8" TYPICAL
7. PLASTIC VENEER FINISH SYSTEM
8. POST TENSIONED SLAB
9. 4" STD. PIPE
10. 1 1/2" STD. PIPE
11. PIT LADDER, SEE 27/A13
12. SUSPENDED GYPSUM BOARD CEILING
13. FLUSH-APPLIED ELASTOMERIC MEMBRANE WATERPROOFING
14. CONCRETE STEPS, SEE STRUCTURAL
15. SEE STRUCTURAL FOR CONSTRUCTION OF STAIRS AND LANDING
16. CONCRETE FILLED PAN
17. CHANNEL STRINGER
18. ANGLE 4" X 4" X 1/4" CONT. WITH 1/2" EXP. ANCHORS AT 48" O.C.
19. STEEL EMBED, SEE 33/A13
20. 1/2" EXPANSION MATERIAL
21. 2 HOUR SHAFT WALL, SEE J/A10
22. 3/4" X 3/4" SQUARE STEEL TUBING MOUNTING BRACKET AT 6'-0" O.C. MAX WITH 2 3/8" EXPANSION ANCHORS
23. END HANDRAIL BRACKET WITH 2 - 3/8" EXPANSION ANCHORS
24. CAP STRINGER ENDS WITH PLATE
25. PRECAST CONCRETE PANEL
26. REVEAL
27. TOP OF PARAPET BEYOND (PRECASTING IN JOINT)
28. CONDENSATE, SEE MECHANICAL, M2
29. SAFETY NOSING
30. 12" HIGH LETTERS AT DOOR JAMBS, BOTH ELEVATORS
31. TUBE FRAME, SEE D/A9
32. SKYLIGHT SYSTEM W/ 1/4" GLASS
33. SKYLIGHT FRAMING SYSTEM ONLY
34. GLAZED VERTICAL END
35. OPEN

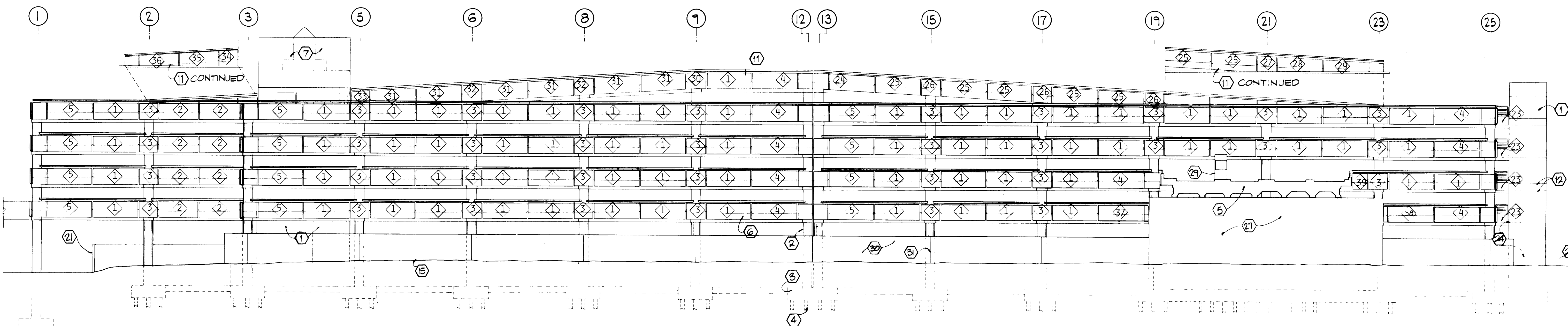
PARKING STRUCTURE STAIR & ELEVATOR SECTIONS & DETAILS





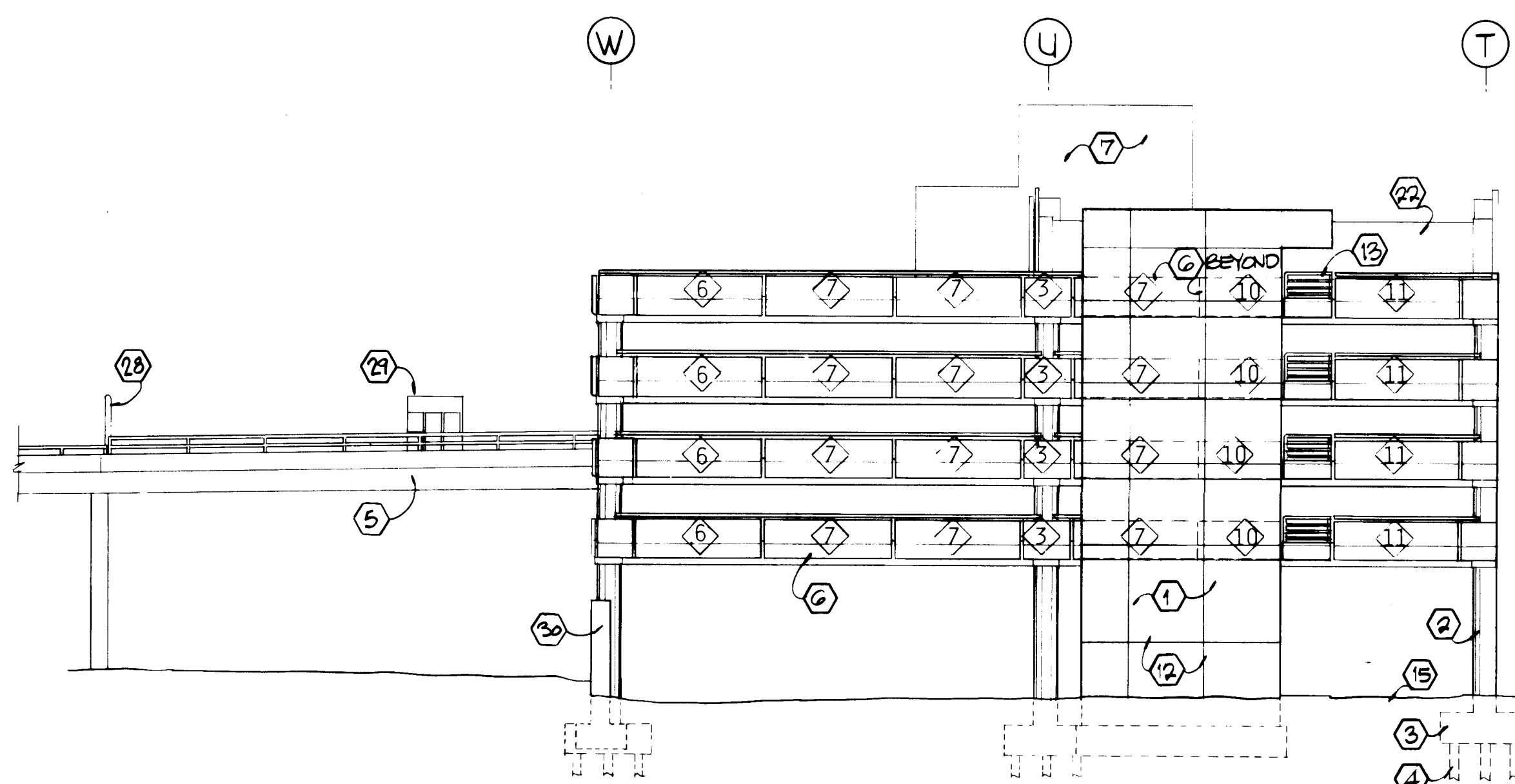
WEST ELEVATION

1/16" = 1'-0"



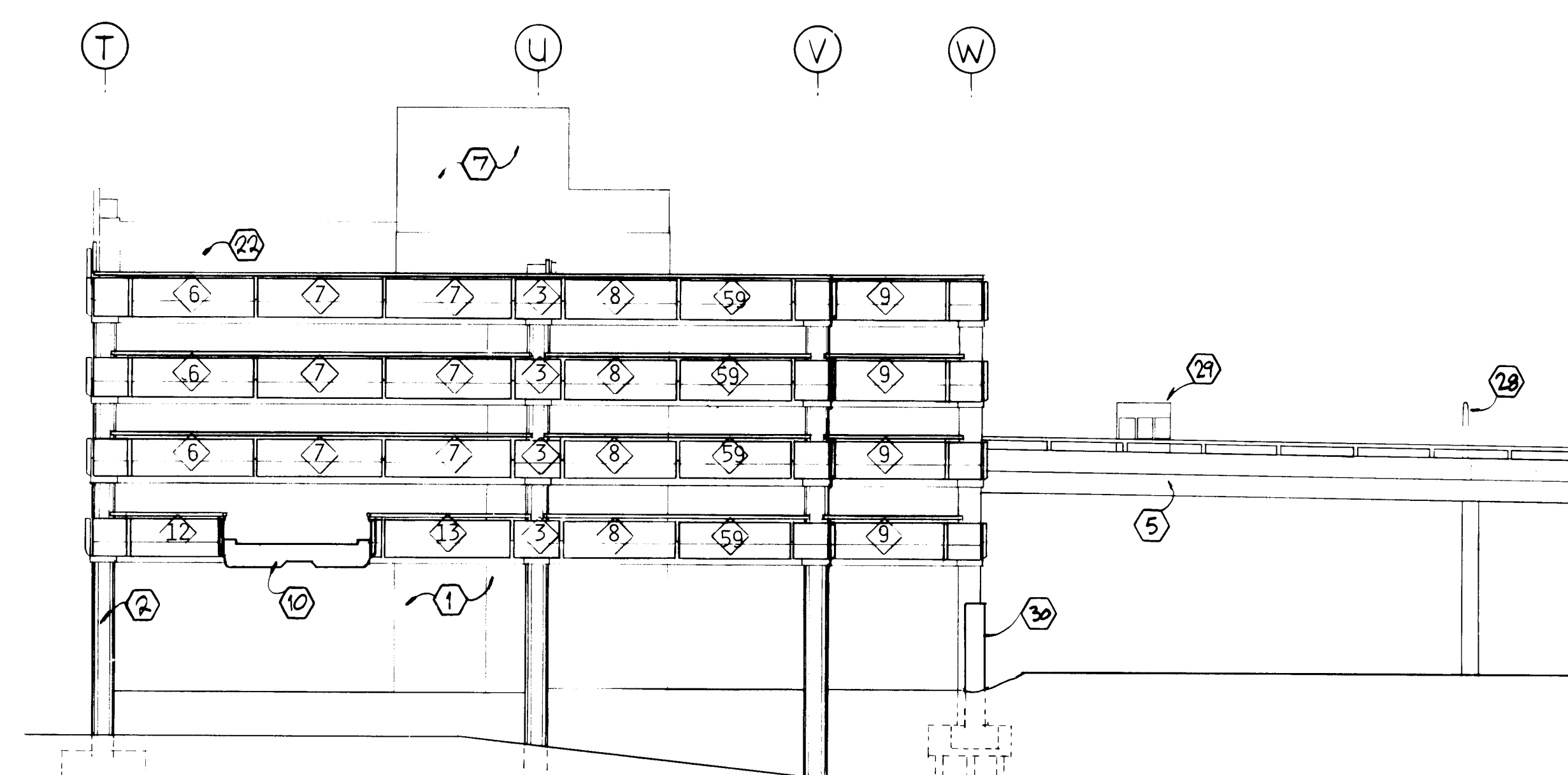
EAST ELEVATION

1/16" = 1'-0"



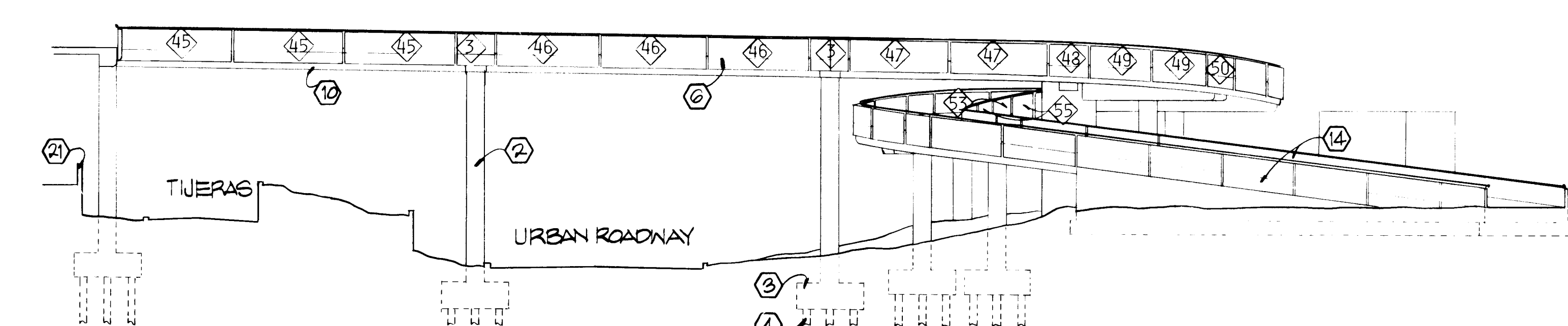
NORTH ELEVATION

1/16" = 1'-0"



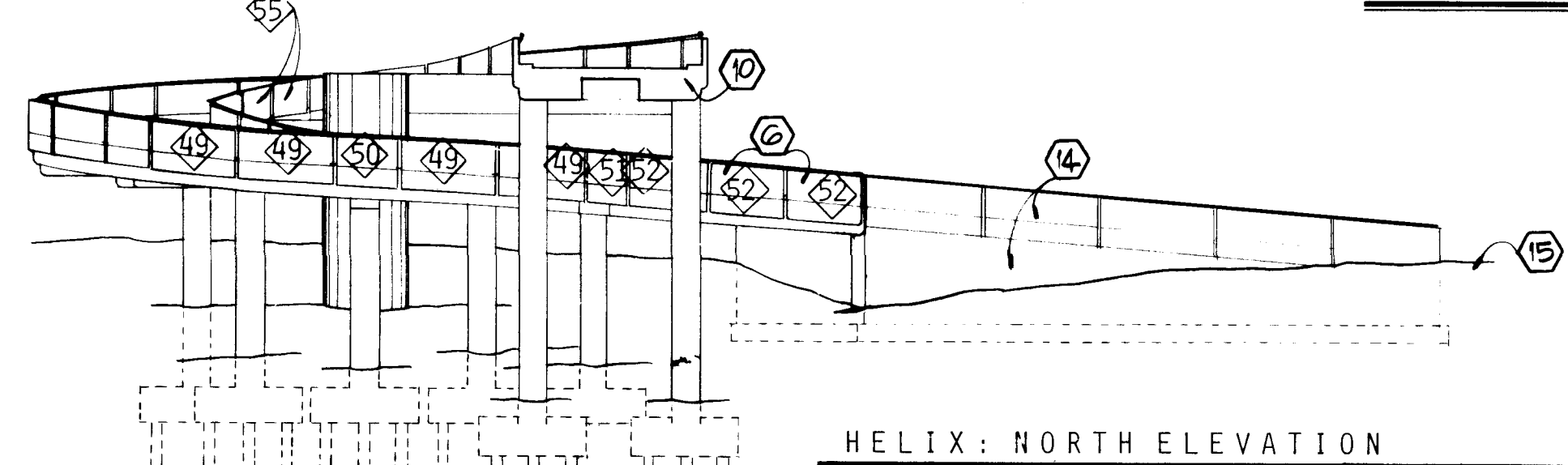
SOUTH ELEVATION

1/16" = 1'-0"



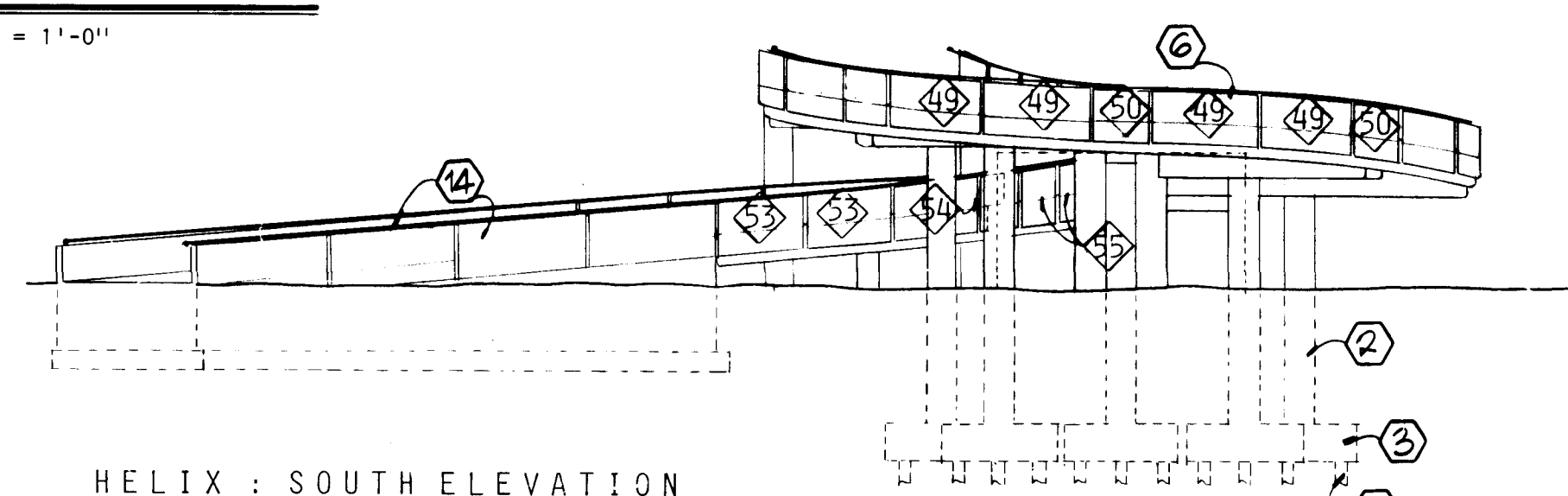
HELI: WEST ELEVATION

1/16" = 1'-0"



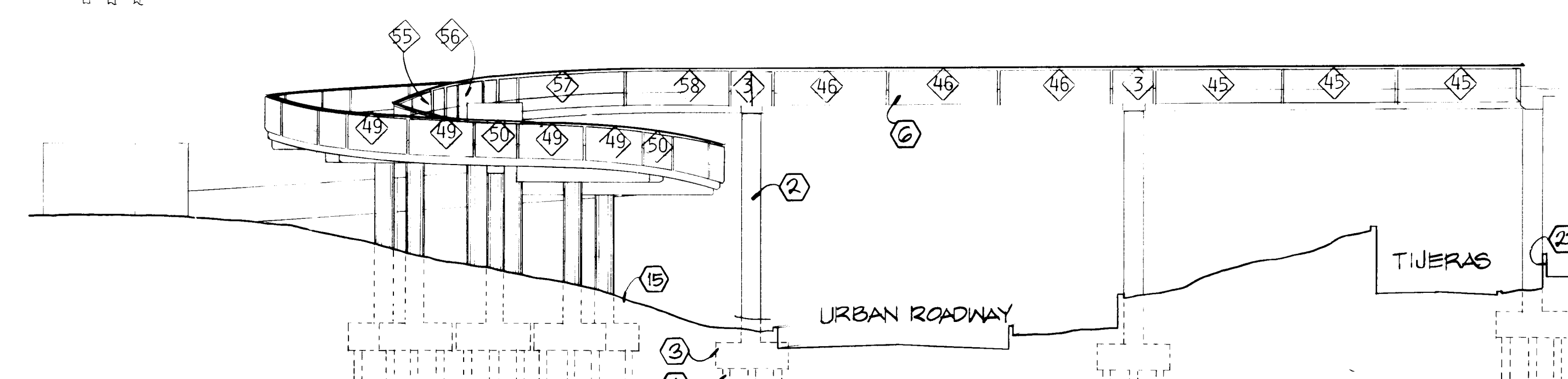
HELI: NORTH ELEVATION

1/16" = 1'-0"



HELI: SOUTH ELEVATION

1/16" = 1'-0"



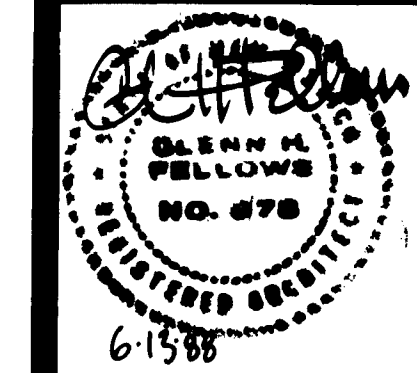
HELI: EAST ELEVATION

1/16" = 1'-0"

KEYED NOTES

1. CAST-IN-PLACE CONCRETE WALLS TO RECEIVE LIGHT SANDBLAST FINISH, TYPICAL AT ALL EXTERIOR WALL SURFACES
2. CAST-IN-PLACE CONCRETE COLUMNS
3. CAST-IN-PLACE CONCRETE PILE CAPS
4. AUGERCAST PILES
5. PRESTRESSED CONCRETE BRIDGE STRUCTURE
6. ARCHITECTURAL PRECAST CONCRETE PANELS, SEE SCHEDULE ON SHEET A11
7. SEE SHEET A9 FOR LARGE SCALE ELEVATIONS
8. HOLLOW METAL DOORS AND FRAME
9. ALUMINUM STOREFRONT SYSTEM
10. PRECAST BOX GIRDER
11. ELEVATION OF UPPER RAMP BEYOND
12. 1 1/2" X 3/4" REVEAL, CAST IN WALL
13. GUARDRAIL, SEE B/A9
14. CAST-IN-PLACE CONCRETE RETAINING WALL, LIGHT SANDBLAST FINISH
15. LINE OF FINISH GRADE
16. 8" C.M.U. WALL INFILL, 3 HOUR OCCUPANCY SEPARATION
17. CAST-IN-PLACE CONCRETE WALL BEYOND, 3 HOUR SEPARATION BETWEEN C.O.A. PROJECT #3439 LOADING DOCK AND LEVEL 1
18. CAST-IN-PLACE CONCRETE BEAMS
19. DOORS TO C.O.A. PROJECT #3439 CONCOURSE OPEN
20. RETAINING WALL, SEE A 1
21. UPPER RAMP, BEYOND
22. CAST-IN-PLACE CONCRETE WALL
23. REVEALS CONTINUE ON SOUTH WALL
24. DOOR TO C.O.A. PROJECT #3439 CATWALK
25. PUMP HOUSE - C.O.A. PROJECT #3244
26. ENTRANCE/EXIT PIER
27. OVERHEAD SIGN, SEE A-14
28. PREFABRICATED TICKET BOOTH
29. CAST-IN-PLACE CONCRETE CRASH WALL, N.I.C.
30. 1/2" EXPANSION JOINT

NOTE:
FUTURE LOADING DOCK AND CONVENTION CENTER
C.O.A. PROJECT #3439



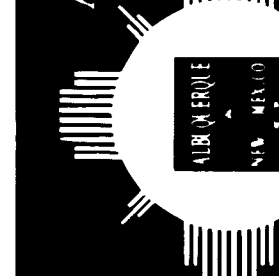
REVISION 4-88 DATE
AS-BUILT 7-4-90

DESIGNED BY
CHECKED BY

PARKING STRUCTURE EXTERIOR ELEVATIONS



ALBUQUERQUE RENOVATION
CONVENTION CENTER
EXPANSION

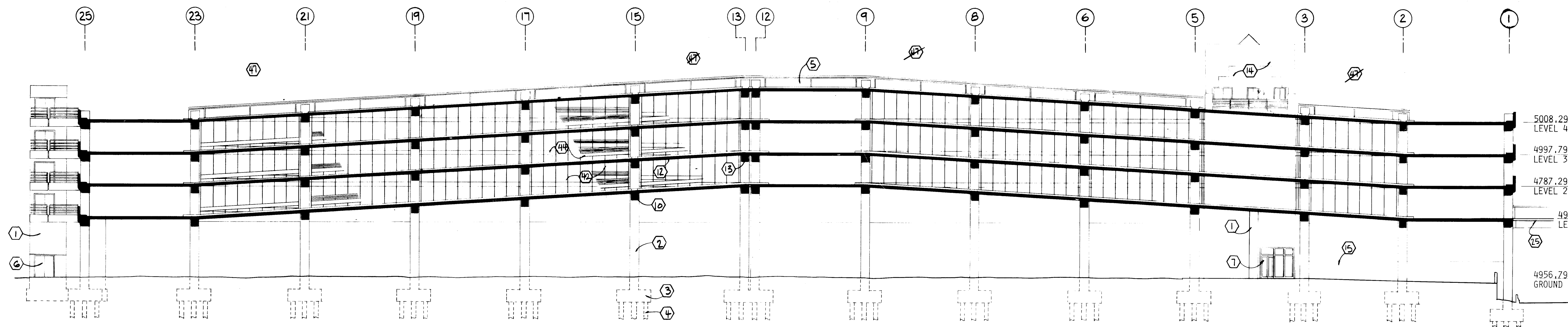


SHEET

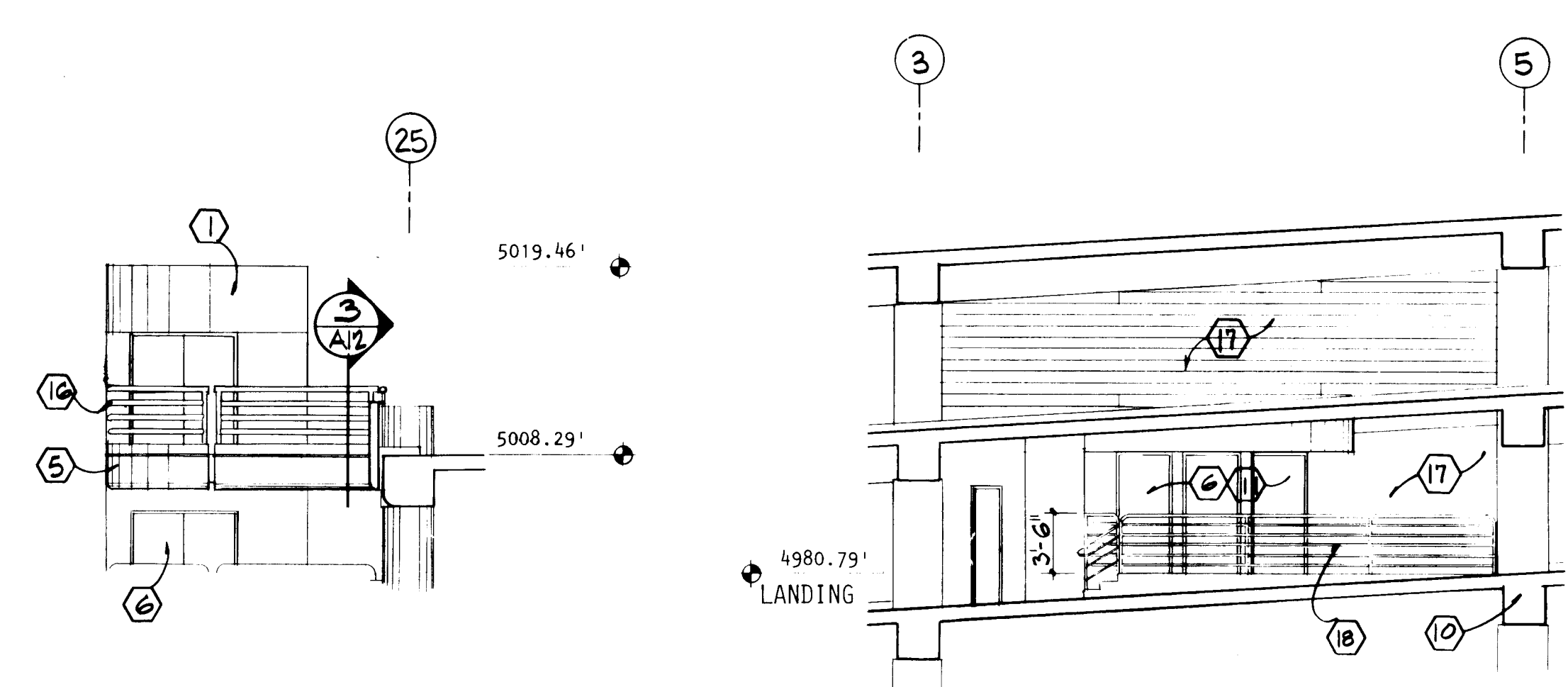
A8

OF 67

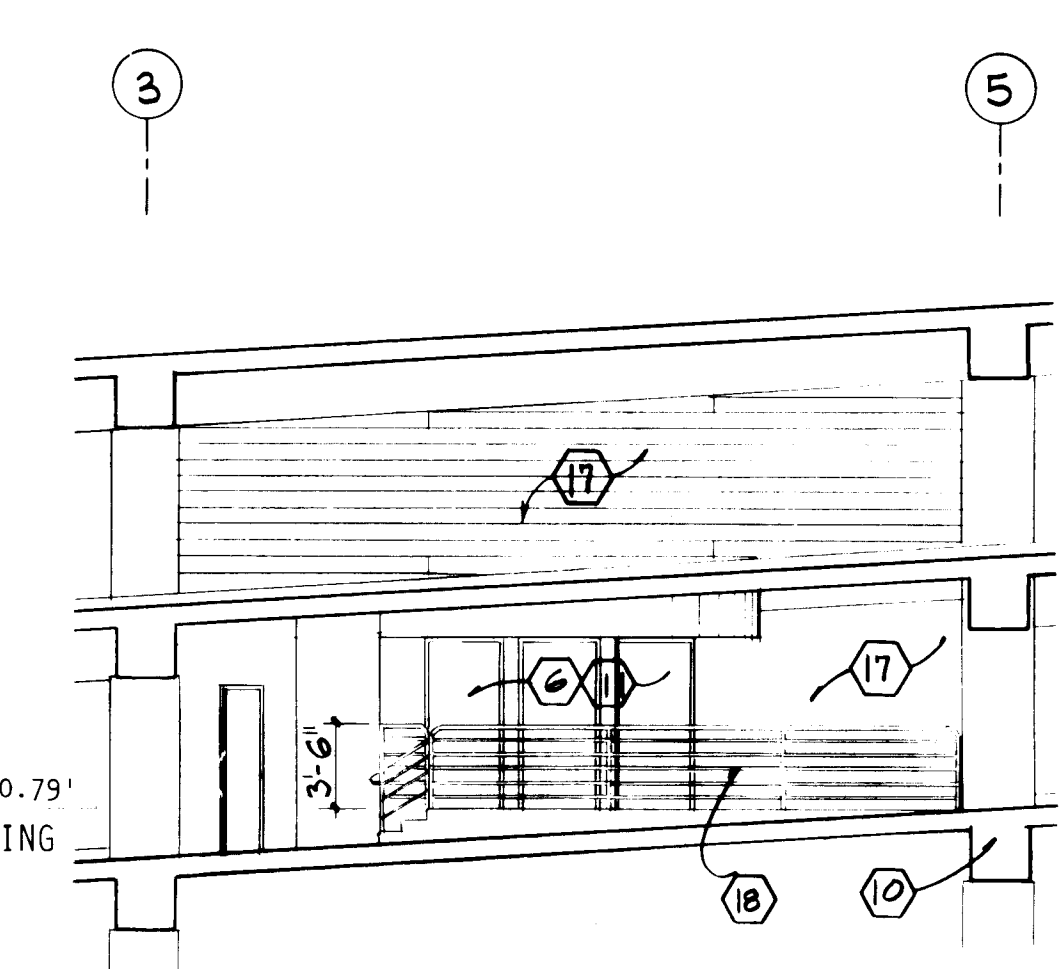
C of A PWD Maps & Records
2/6/2/2/3/6/1/6/9/1



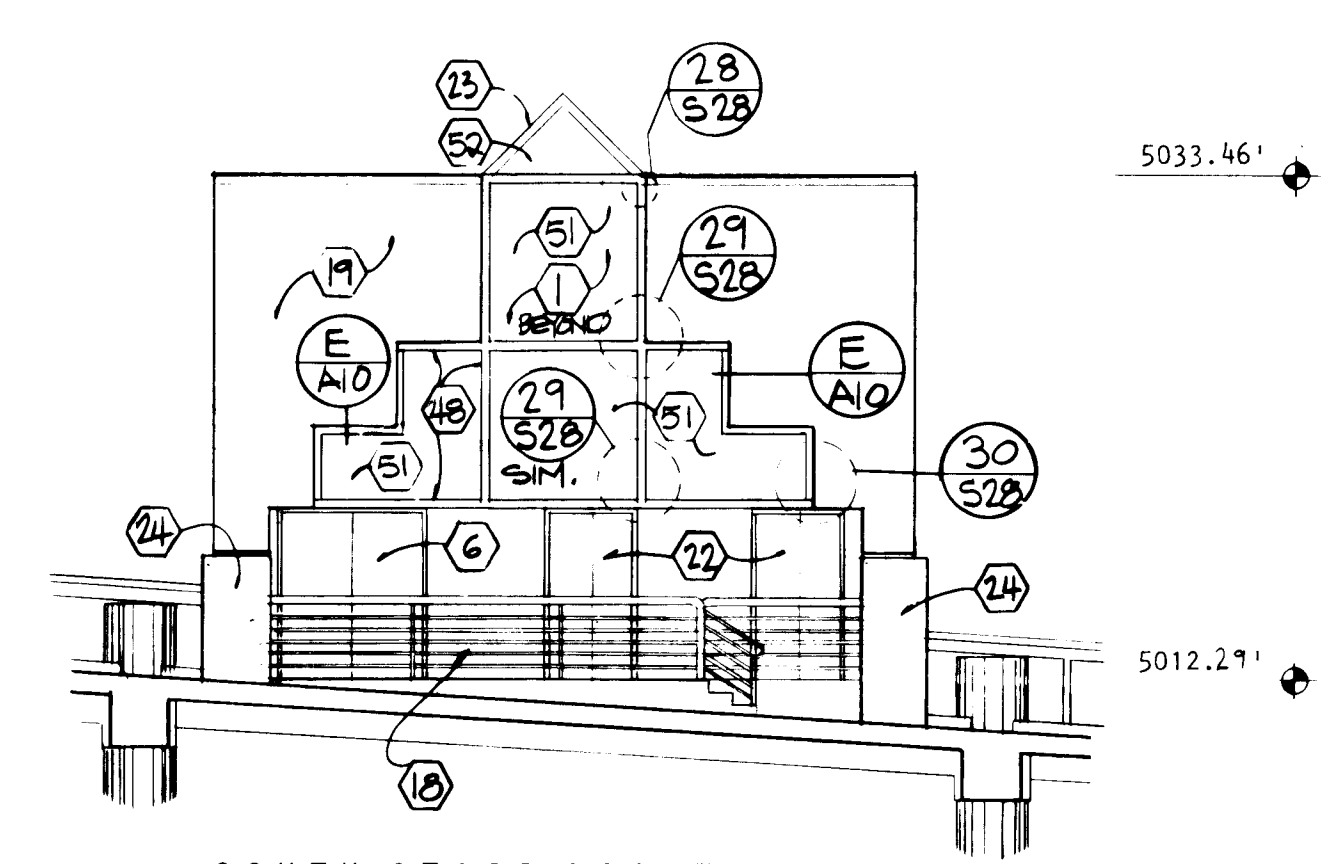
A BUILDING SECTION
1/16" = 1'-0"



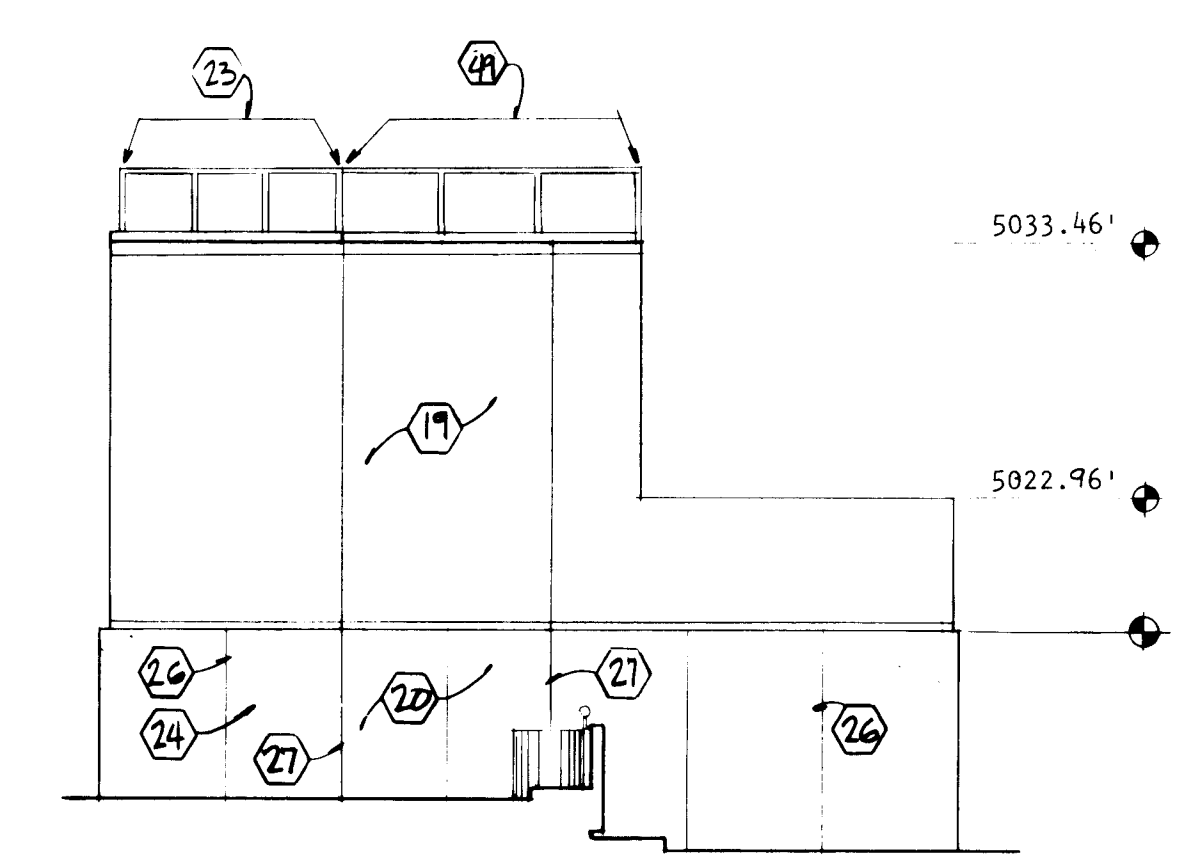
B NORTH STAIR ROOFTOP WEST ELEVATION
1/8" = 1'-0"



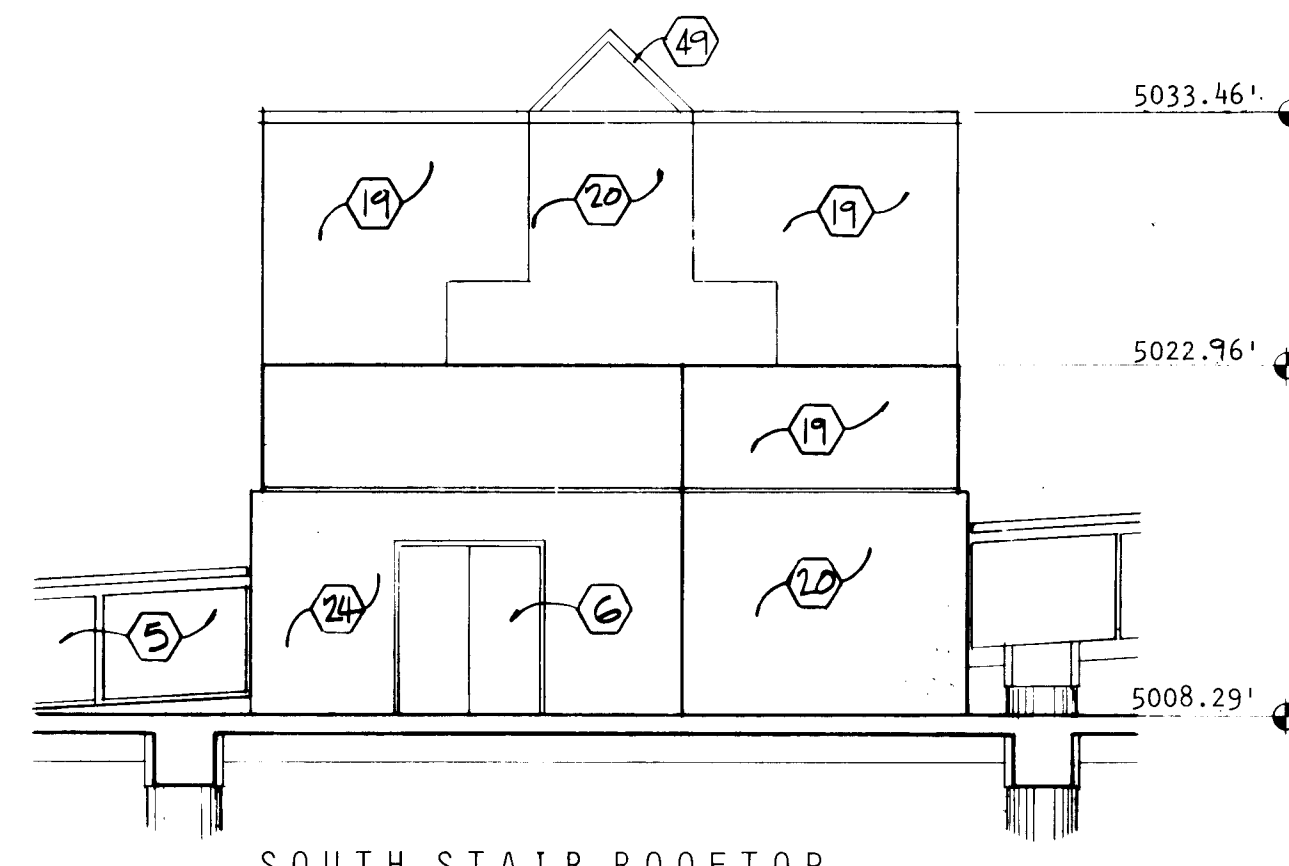
C LANDING ELEVATION
1/8" = 1'-0"



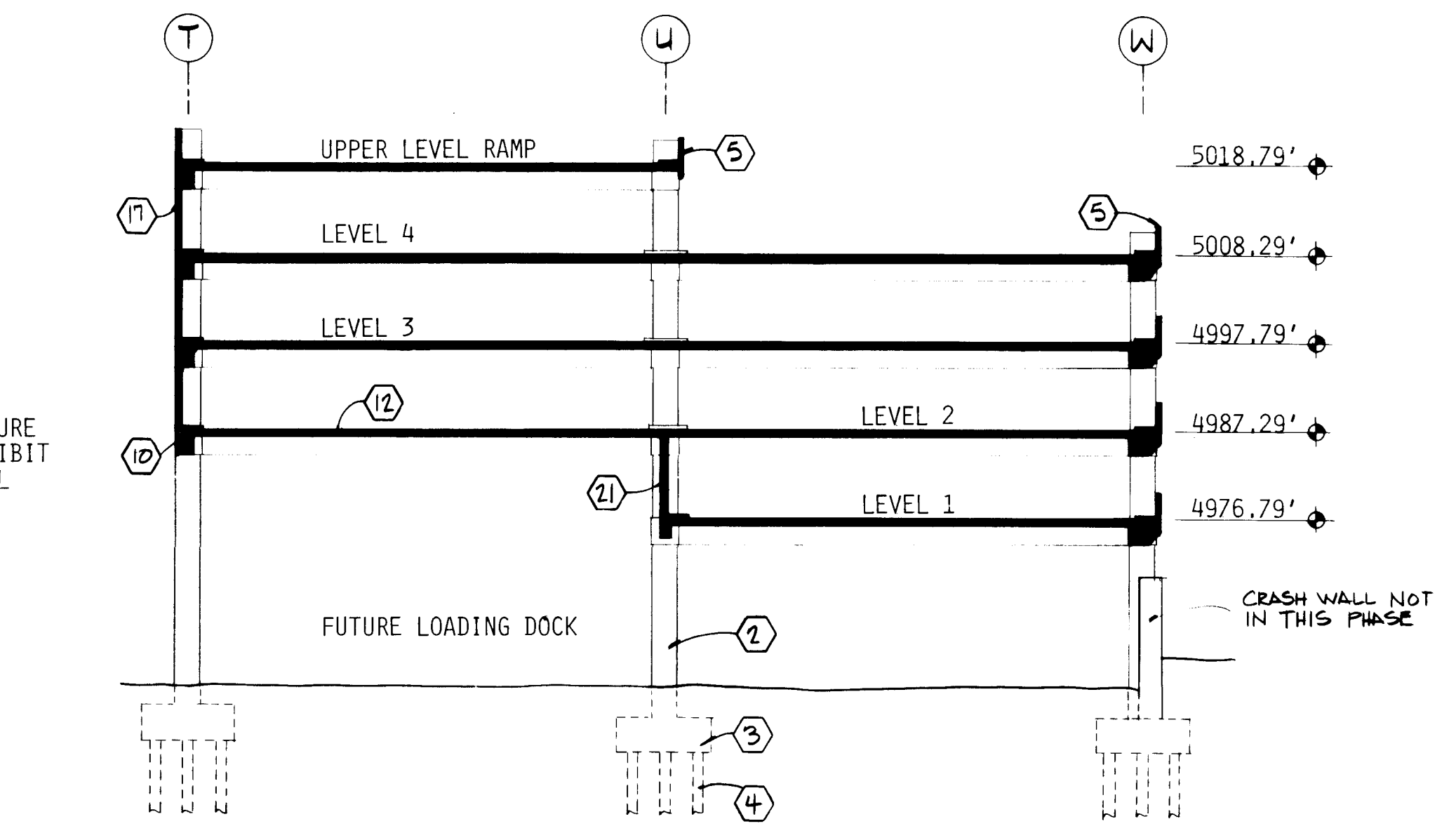
D SOUTH STAIR ROOFTOP WEST ELEVATION
1/8" = 1'-0"



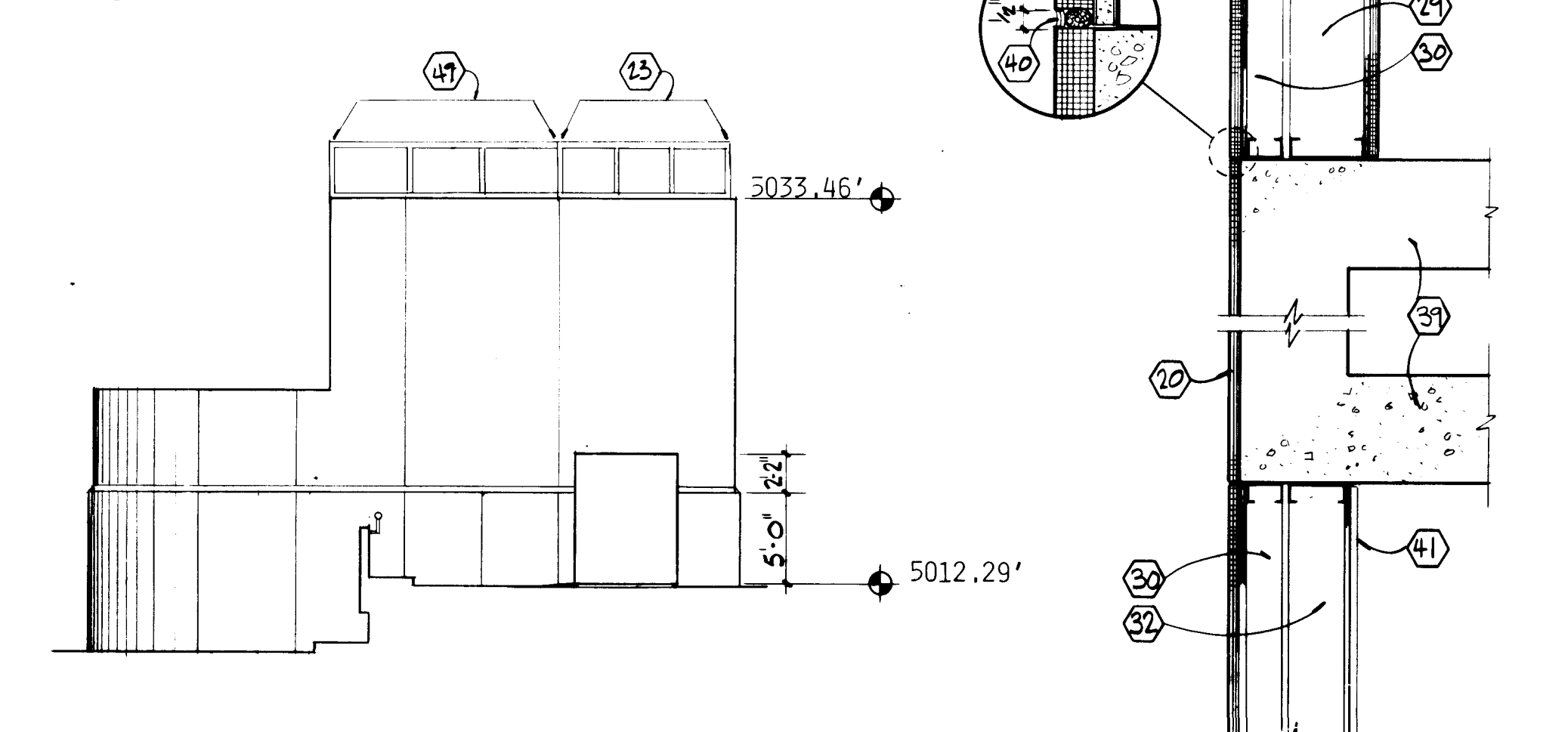
E SOUTH STAIR ROOFTOP SOUTH ELEVATION
1/8" = 1'-0"



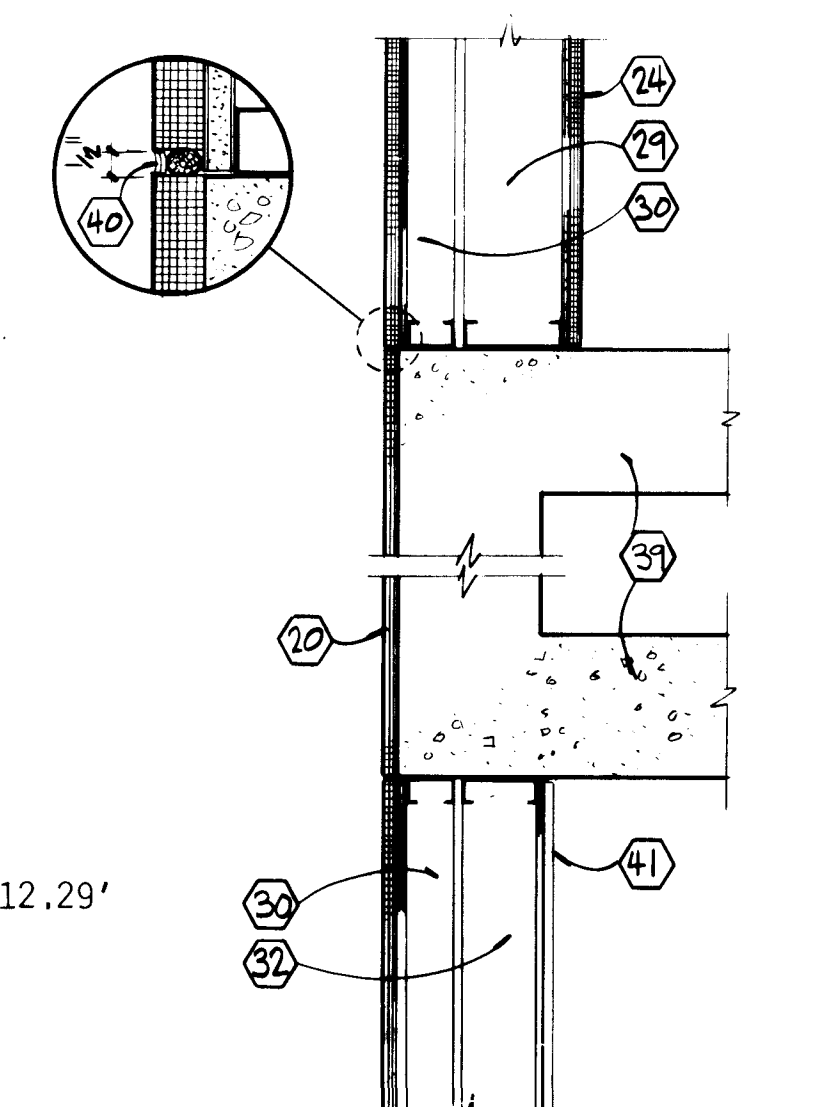
F SOUTH STAIR ROOFTOP EAST ELEVATION
1/8" = 1'-0"



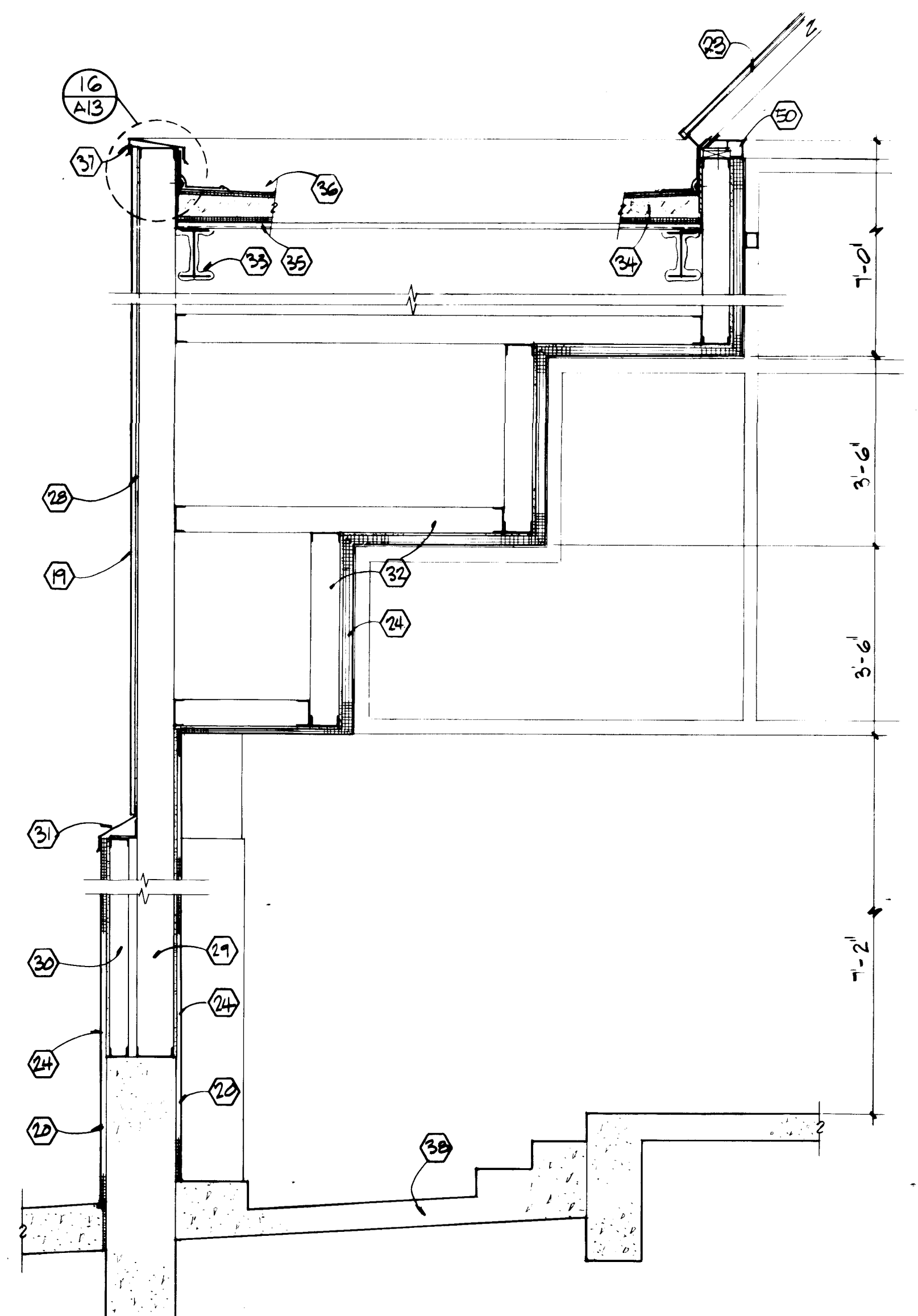
G BUILDING SECTION
1/16" = 1'-0"



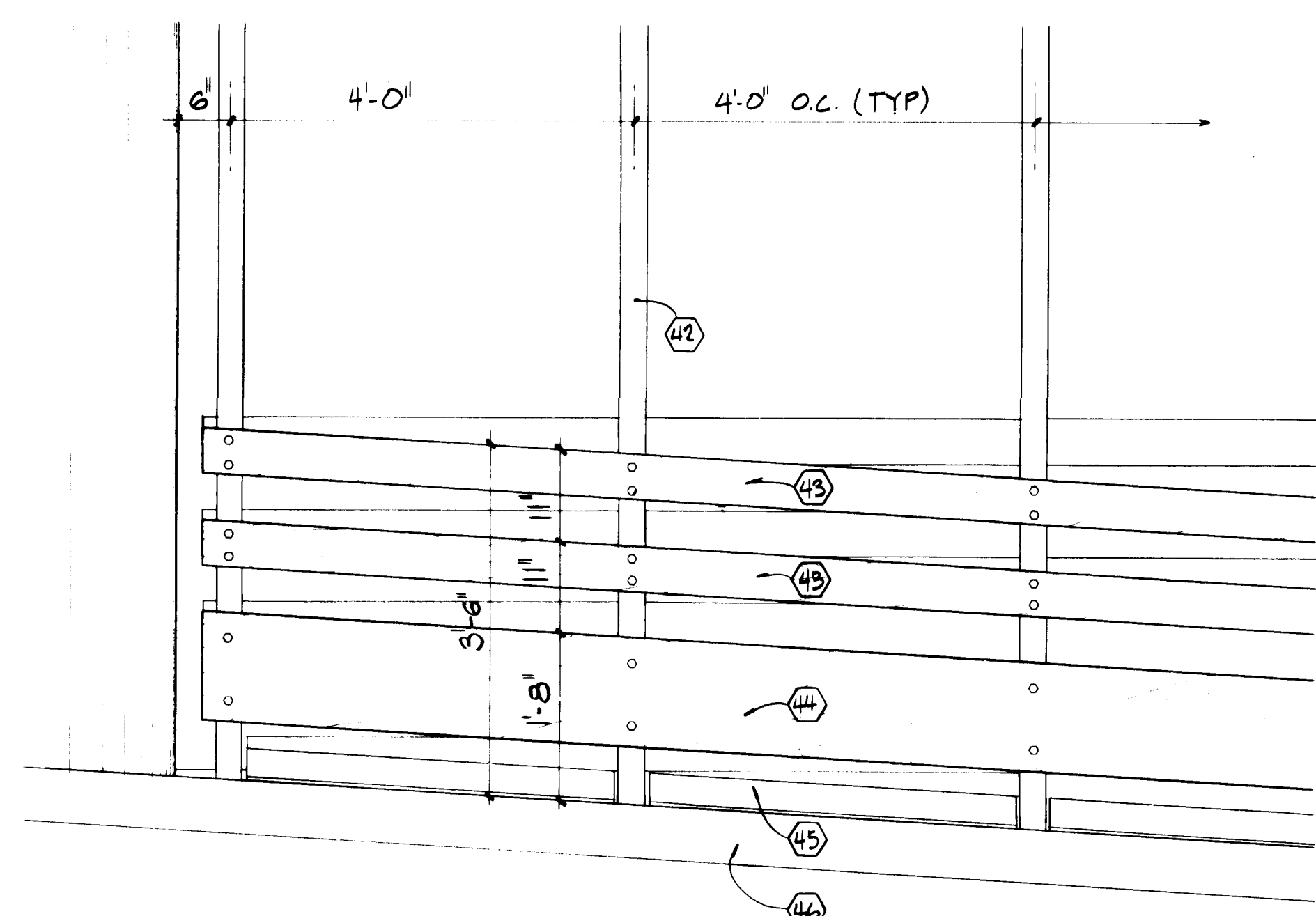
H SOUTH STAIR ROOF TOP NORTH ELEVATION
1/8" = 1'-0"



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

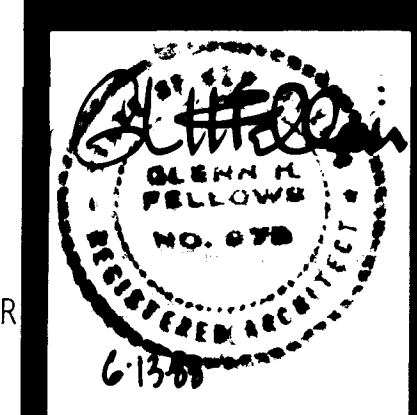


J WALL SECTION
1/2" = 1'-0"



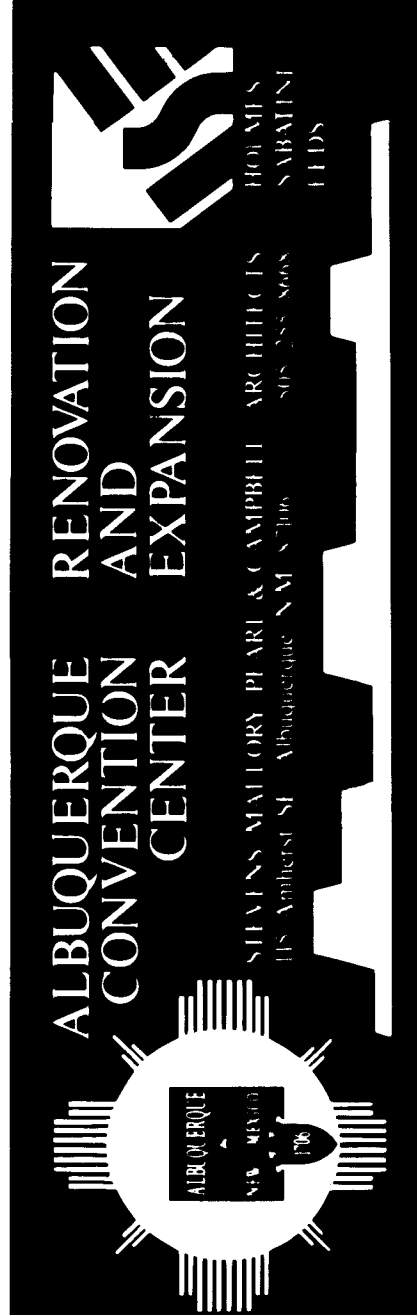
K ELEVATION AT TYPICAL BARRIER
3/4" = 1'-0"

- KEYED NOTES**
1. CAST-IN-PLACE CONCRETE WALLS TO RECEIVE HIGH-SANDWICH-FINISH.
 2. CAST-IN-PLACE CONCRETE COLUMNS.
 3. CAST-IN-PLACE CONCRETE PILE CAPS.
 4. AUGERCAST PILES.
 5. ARCHITECTURAL PRECAST CONCRETE PANELS.
 6. HOLLOW METAL DOORS AND FRAMES.
 7. ALUMINUM STOREFRONT SYSTEM.
 8. 1 1/2" X 3/4" REVEAL CAST IN WALL.
 9. LINE OF FINISH GRADE.
 10. CAST-IN-PLACE CONCRETE BEAMS.
 11. DOORS TO C.O.A. PROJECT #3439 CONCOURSE.
 12. CAST-IN-PLACE CONCRETE POST TENSIONED FLOOR.
 13. EXPANSION JOINT.
 14. SEE ELEVATION "D" THIS SHEET.
 15. CAST-IN-PLACE CONCRETE RETAINING WALL TO RECEIVE LIGHT-SANDWICH-FINISH.
 16. 4" PIPE GUARDRAIL, SEE 3/4" 12.
 17. 8" C.M.U. WALL INFILL, 3 HOUR OCCUPANCY SEPARATION.
 18. STEEL PIPE GUARDRAIL, SEE 1/47.
 19. 3 COAT STUCCO, PAINT (OVER CONCRETE).
 20. CAST-IN-PLACE CONCRETE WALL, 3 HOUR OCCUPANCY SEPARATION BETWEEN PARKING STRUCTURE AND C.O.A. PROJECT #3439.
 21. ELEVATOR HOISTWAY DOORS AND FRAMES.
 22. SKYLIGHT SYSTEM W/ 1/4" GLASS.
 23. PLASTIC VENEER-FINISH SYSTEM (OVER METAL STUDS) 3 COAT STUCCO, PAINT.
 24. EXIT BRIDGE TO HELIX.
 25. 1 1/2" X 1/2" REVEAL ROUTED INTO PLASTIC VENEER-FINISH SYSTEM. 3 COAT STUCCO, PAINT.
 26. 1/2" CAULK JOINT, SEE 1/49.
 27. 5/8" TYPE "X" EXTERIOR GYPSUM BOARD SHEATHING.
 28. 8" METAL STUDS, SEE STRUCTURAL 518.
 29. 4" METAL STUDS, SEE STRUCTURAL 518.
 30. 26 GAUGE GALVANIZED METAL FLASHING.
 31. 6" METAL STUDS, SEE STRUCTURAL 518.
 32. SPRAYED FIREPROOFING.
 33. SLOPING INSULATING CEMENTITIOUS FILL.
 34. METAL ROOF DECK.
 35. ADHERED E.P.D.M. ROOFING.
 36. 22 GA. COPING, COLOR-INTTEGRAL PAINT.
 37. REINFORCED CONCRETE SUB, SEE 23/518.
 38. CAST-IN-PLACE CONCRETE WALL.
 39. BACKUP ROD WITH SEALANT.
 40. F.R.P. WAINSCOT OVER 1/4" PLYWOOD BELOW.
 41. 3" X 3" X 1/4" STEEL TUBE, SEE STRUCTURAL 43.
 42. 2 X 8 ROUGH SAWN PRESSURE TREATED LUMBER.
 43. 4" X 4" X 1/4" ANGLE WITH 1/2" EXPANSION ANCHORS 48" O.C., MINIMUM TWO PER SECTION.
 44. CAST-IN-PLACE CONCRETE CURB.
 45. 24" X 14" BUMPER ON 3" X 3" TUBES WITH NO. 24 X 64.
 46. 8" X 3" X 1/4" TUBE FRAME.
 47. SKYLIGHT FRAMING SYSTEM ONLY.
 48. METAL TRIM PIECE, PART OF SKYLIGHT FRAMING SYSTEM.
 49. OPEN.
 50. GLAZED VERTICAL END.



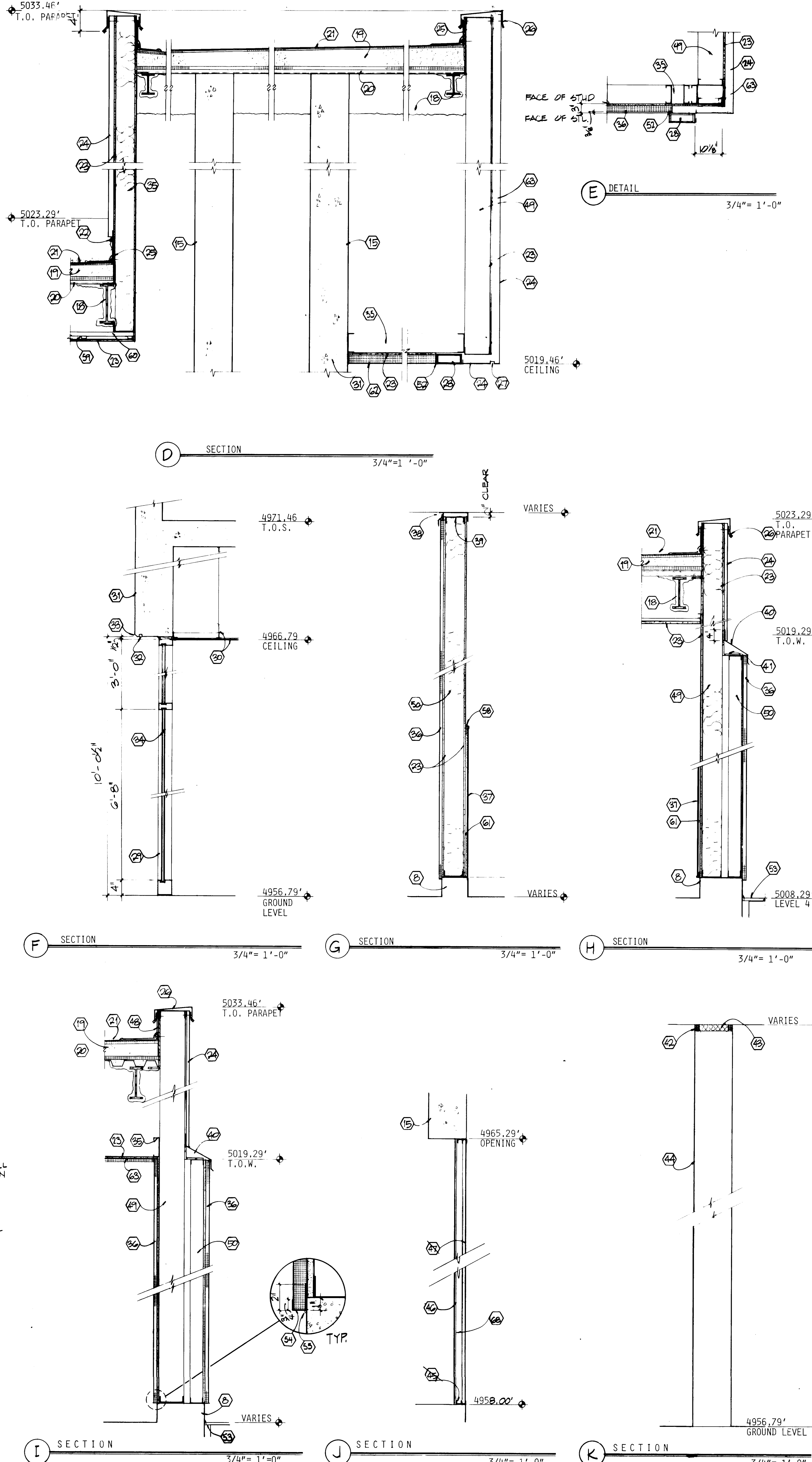
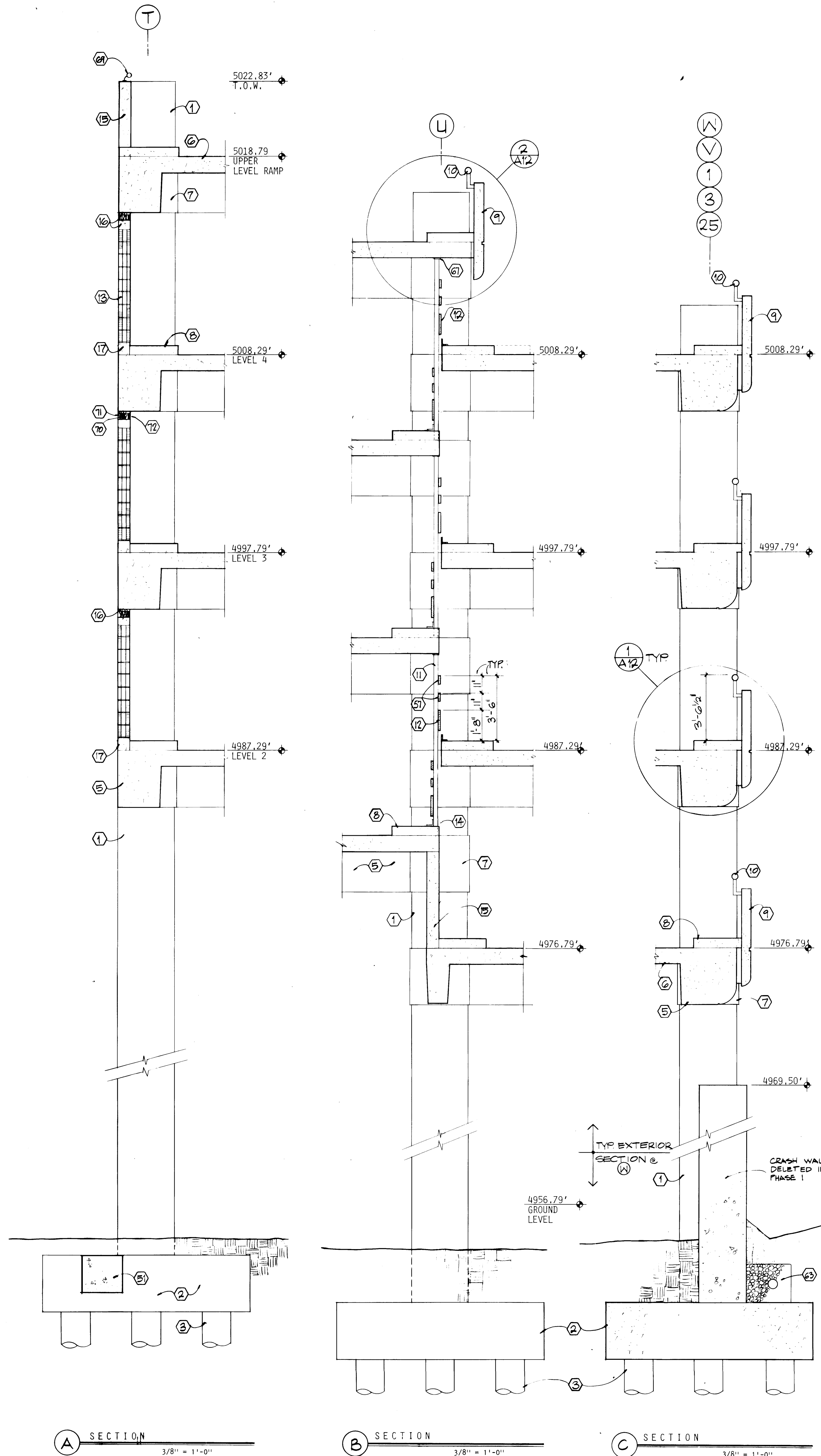
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**PARKING STRUCTURE
BUILDING SECTIONS
& ENLARGED ELEVATIONS**



SHEET
A9
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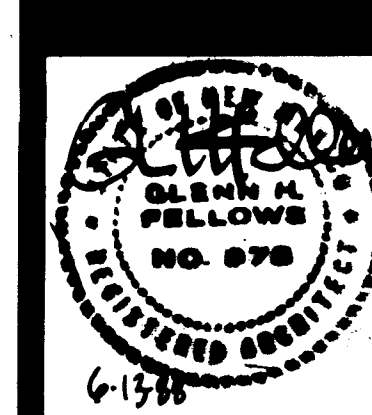
C of A PWD Maps & Records
2/6/2017 2/7/2017 2/7/2017



- KEYED NOTES**
1. CAST-IN-PLACE CONCRETE COLUMN
 2. CAST-IN-PLACE PILE CAP
 3. AUGERCAST PILES
 4. CAST-IN-PLACE CONCRETE CRASH WALL, LIGHT SANDBLAST FINISH
 5. CAST-IN-PLACE CONCRETE BEAM
 6. CAST-IN-PLACE CONCRETE POST TENSIONED SLAB
 7. COLUMN CAPITOL
 8. CONCRETE CURB
 9. ARCHITECTURAL PRECAST PANELS
 10. 4" PIPE GUARDRAIL
 11. 3" X 3" STEEL TUBE, SEE STRUCTURAL S14
 12. 2 X 14 CAR BUMPER
 13. 8" C.M.U. WALL INFILL, 3 HOUR OCCUPANCY SEPARATION
 14. 4" X 4" X 1/4" ANGLE, CONTINUOUS
 15. CAST-IN-PLACE CONCRETE WALL
 16. SEE 2/S14 FOR CONNECTION DETAIL, FILL JOINT WITH 3 HOUR FIRESTOPPING FOAM
 17. CONCRETE CURB HEIGHT VARIES
 18. SPRAYED FIREPROOFING ON STEEL BEAMS, U.L. ASSEMBLY S-81
 19. CLIPPING INSULATING CEMENTITIOUS FILL
 20. METAL DECK
 21. ADHERED E.P.D.M. ROOFING
 22. METAL REGLET AND COUNTERFLASHING
 23. 5/8" TYPE "X" EXTERIOR GYPSUM SHEATHING
 24. 3 COAT STUCCO, PAINT
 25. 5/8" FIRETREATED PLYWOOD
 26. 22 GA. COPING, COLOR INTEGRAL PAINT
 27. 3/4" METAL DRIP, COLOR INTEGRAL PAINT
 28. STEEL TUBE, SEE STRUCTURAL
 29. ALUMINUM STOREFRONT SYSTEM
 30. 5/8" GYPSUM BOARD CEILING ON CEILING SUSPENSION SYSTEM
 31. CAST-IN-PLACE CONCRETE WALL, LIGHT SANDBLAST FINISH
 32. 3/4" X 3/4" CAST DRIP
 33. 3/4" X 3/4" CHAMFER
 34. 1/4" GLAZING
 35. 6" METAL STUDS AT 12" O.C.
 36. PLASTIC VENEER FINISH SYSTEM, 3 COAT STUCCO
 37. F.R.P. WALLCOVERING PANELS
 38. 18 GA. GALVANIZED BRACE METAL CHANNEL, PROVIDE 1" OVERLAP TO PARTITION
 39. 6" TRACK, DO NOT ATTACH TO STRUCTURE ABOVE.
 40. 22 GA. FLASHING, COLOR INTEGRAL PAINT
 41. STEEL "L", SEE STRUCTURAL
 42. 1" WIDE COMPRESSIBLE NEOPRENE SEAL
 43. FIRE SAFING INSULATION
 44. SEE 10/S1
 45. SHAFT WALL TRACK
 46. 2 LAYERS 1/2" GYPSUM BOARD
 47. 1/4" GYPSUM BOARD LINER
 48. E.P.D.M. FLASHING
 49. 8" STEEL STUDS, SEE STRUCTURAL
 50. 4" STEEL STUDS, SEE STRUCTURAL
 51. CONCRETE FTG., SEE STRUCTURAL
 52. 1/4" CAULK JOINT, ALL AROUND CEILING/WALL JUNCTURE
 53. TYPE 3 EXPANSION JOINT
 54. 14 GA. GALVANIZED BRACE METAL CONTINUOUS
 55. CAULK JOINT
 56. SEE CIVIL DRAWING FOR DRAINAGE STRUCTURE
 57. 2 X 8 BARRIER SEE S18/A14 BETWEEN BAYS 21,19,17,15,8,6 AND 6,5
 58. 14 GA. "J"-MOLD
 59. 7/8" HAT CHANNEL
 60. 1 1/2" COLD ROLLED CHANNEL
 61. 3/8" PLYWOOD (FIRETREATED)
 62. 3 COAT STUCCO OVER 2 1/2" E.P.S.
 63. 1/2" CHANNEL FILING 48" O.C. MAX.
 64. DRAINAGE CONTROL, SEE CIVIL SHEET C2
 65. 4" X 4" X 1/4" ANGLE WITH 1/2" EXPANSION ANCHOR AT 48" O.C.
 66. SEE 17/S14 FOR CONNECTION
 67. SEE 19/S14 FOR CONNECTION
 68. 3 3/8" MT. STUDS W/ 2 LAYERS 5/8" GYP BO. EACH SIDE
 69. 1/2" PIPE GUARDRAIL
 70. FIRE SAFING
 71. FSK FOR TRACING
 72. 2" METACALK

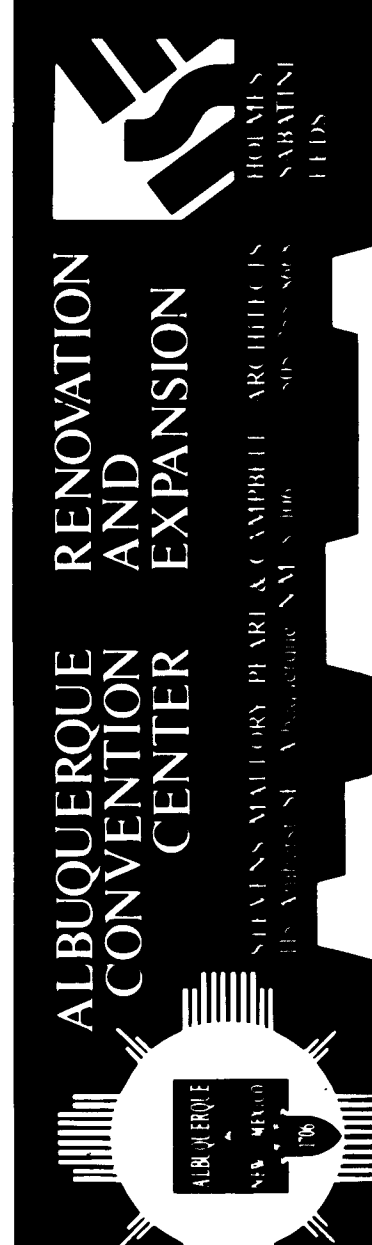
NOTE:
COORDINATE SHAFTWALL INSTALLATION
WITH ELEVATOR MANUFACTURER.

FOR 4 PWD Maps & Records
1 2 3 4 5 6 7 8 9 10
12/1 12/13/14/18/19/1



REVISED 4-88 DATE
AS-BUILT 7-4-90

**PARKING STRUCTURE
WALL SECTIONS**



SHEET
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ARCHITECTURAL PRECAST PANEL SCHEDULE

KEY	NOM. SIZE W x H x D	ELEVATION	PLAN	DETAILS	REMARKS
1	14'-6" X 5'-3"			1 11	SEE PLANS FOR PLANTER LOCATIONS 19/A13
2	12'-10 1/2" X 5'-3"			1 12 8	
3	6'-0" X 5'-3"			1 11	4 AT EXIT BRIDGE 5 AT ENTRANCE BRIDGE
4	19'-4" X 5'-3"			1 21	22 AT RAMP
5	19'-4" X 5'-3"			1 21	
6	21'-2 5/8" X 5'-3"			1 12	
7	16'-4 5/8" X 5'-3"			1 11	
8	14'-0" X 5'-3"			1 11	
9	18'-8 1/2" X 5'-3"			1 12 8	
10	6'-1 3/8" X 5'-3"			1 18	
11	23'-2" X 5'-3"			1 14 18	
12	18'-0" X 5'-3"			1 16	
13	17'-0" X 5'-3"			1 16 SIM.	
14	6'-2" O.R. 5'-8" I.R. X 5'-3"			3 24	* SEE STRUCTURAL
15	5'-0" X 4'-0"			3 SIM.	* SEE STRUCTURAL
16	6'-2" O.R. 5'-8" I.R. X 2'-8"			3 24	
17	10'-1" X 2'-8"			3 18	
18	19'-7" X 5'-3"			1 15 11	3.41°
19	6'-0" X 5'-3"			1 11	3.41°
20	12'-10 1/2" X 5'-3"			1 11	3.41°
21	13'-2 1/2" X 5'-3"			1 9	3.41°
22	6'-0" X 5'-3"			1 11 SIM.	3.41°

KEY	NOM. SIZE W x H x D	ELEVATION	PLAN	DETAILS	REMARKS
23	4'-3" X 2'-8"			3 18 SIM.	SEE
24	19'-4" X 5'-3"			2 11 SIM.	3.39°
25	14'-6" X 5'-3"			2 11 SIM.	3.39°
26	6'-0" X 5'-3"			2 11 SIM.	3.39°
27	6'-0" X VARIES			12/S14	3.39° TOP EDGE
28	14'-0" X VARIES			12/S14	3.39° TOP EDGE
29	19'-4" X VARIES			10 16 12/S14	3.39° TOP EDGE
30	6'-0" X 5'-3"			2 11 SIM.	3.41°
31	14'-6" X 5'-3"			2 11 SIM.	3.41°
32	6'-0" X 5'-3"			2 11 SIM.	3.41°
33	5'-8" X 5'-3"			2 11 SIM.	3.41°
34	5'-8" X VARIES			12/S14	3.41° TOP EDGE
35	12'-10 1/2" X VARIES			12/S14	3.41° TOP EDGE
36	17'-8 1/2" X VARIES			10 16 SIM. 12/S14	3.41° TOP EDGE
37	16'-0" X 5'-3"			1	
38	16'-0" X 5'-3"			1	
39	4'-3" X 5'-3"			1 23	
40	NOT USED				
41	NOT USED				
42	NOT USED				
43	NOT USED				
44	NOT USED				

PANEL DETAILS ON SHEET A12 UNLESS NOTED OTHERWISE

KEY	NOM. SIZE W x H x D	ELEVATION	PLAN	DETAILS	REMARKS
45	18'-1 3/8" X 5'-3"			4	LIGHT FIXTURE EMBED SEE ELECTRICAL FOR LOCAT.
46	16'-10 5/8" X 5'-3"			4	
47	16'-0" X 5'-3"			6	2.29°
48	6'-0" X 5'-3"			6	3.43°
49	10'-5 1/4" X 5'-3"			6	4.57°
50	6'-0" X 5'-3"			6	4.57°
51	6'-0" X 5'-3"			6	4.57°
52	11'-8" X 5'-3"			6 13 17	4.57°
53	11'-8" X 5'-3"			6 13 17	4.57°
54	14'-6" X 5'-3"			6	4.57°
55	5'-11 3/8" X 5'-3"			6 7	4.57°
56	5'-11 3/8" X 5'-3"			6 7	3.43°
57	18'-10" X 5'-3"			6	3.43°
58	16'-0" X 5'-3"			6	2.29°
59	19'-7" X 5'-3"			1 12	

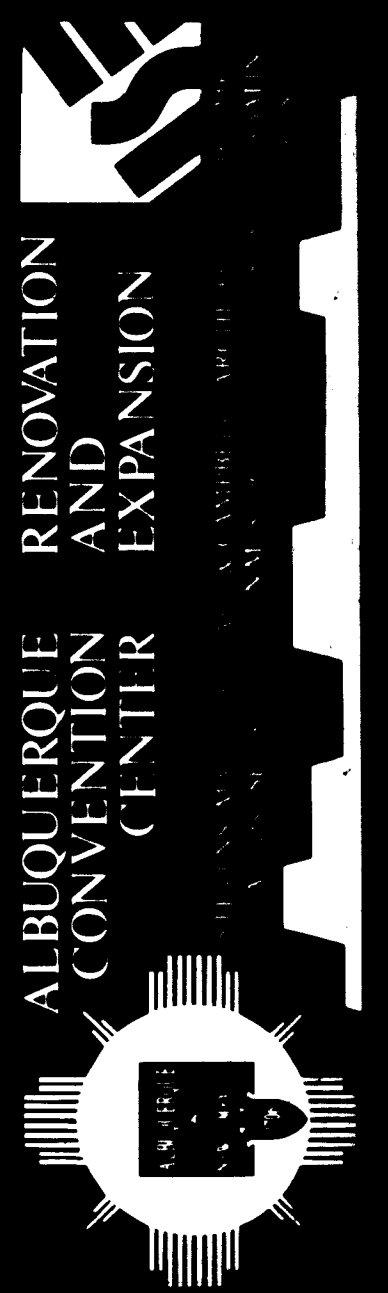
KEYED NOTES

- 4" METAL STUDS AT 16" O.C.
- 5/8" TYPE "X" EXTERIOR GYPSUM SHEATHING
- 3 COAT STUCCO
- STUCCO STOP
- CONCRETE CURB
- 18 GAUGE GALVANIZED BRAKE METAL CHANNEL, PROVIDE 1" OVERLAP TO PARTITION
- 4" TRACK, DO NOT ATTACH TO STRUCTURE ABOVE
- 5/8" TYPE "X" GYPSUM BOARD
- 3 1/2" FIBERGLASS BATT INSULATION
- BASE AND FLOORING, SEE FINISH SCHEDULE
- HOLLOW METAL FRAME, GROUT SOLID, TYPICAL
- CAULK JOINT (WITH BACKER ROD WHERE REQUIRED)
- HOLLOW METAL DOOR
- STUD JAMB ANCHOR, U.L. RATED
- GLAZING
- 5/8" STOP, TYPICAL
- COMPRESSIBLE NEOPRENE CONTINUOUS, TYPICAL
- FLASHING
- 1" CHANNEL AT JAMB
- FIELD WELD CONT. GRIND SMOOTH
- VERTICAL SLIDING SERVING WINDOW
- 2 1/2" METAL STUD FRAME, ATTACH WITH 3/8" EXPANSION ANCHORS AT 32" O.C.
- INSULATED DUCT, SEE MECHANICAL SHEET M-2
- POST-TENSIONED CONCRETE SLAB
- 4" METAL STUDS
- PLASTIC VENEER FINISH SYSTEM
- PLASTIC LAMINATE OVER 3/4" PLYWOOD
- 1 X 4 SUB FRAME
- 2 X 4 LEDGER

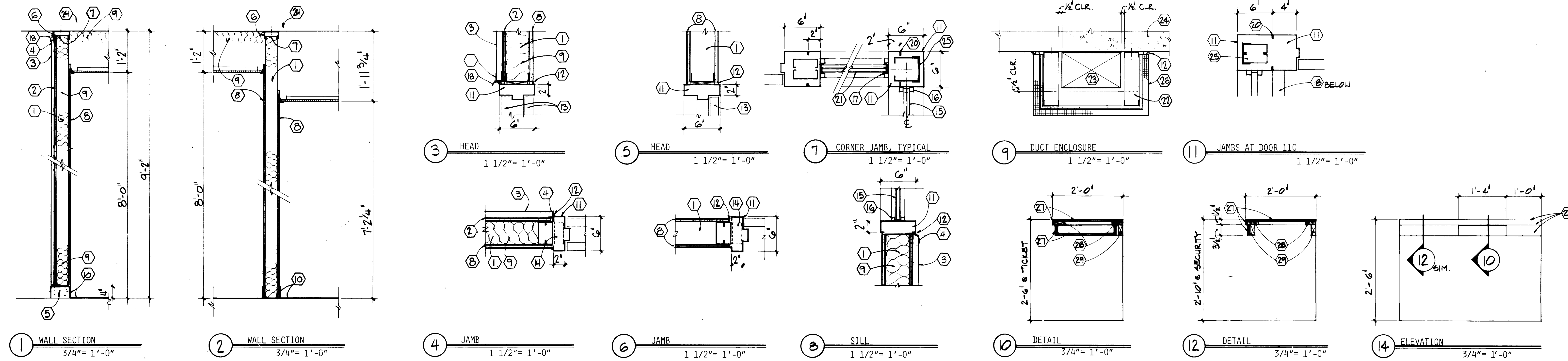


REVISED 4-28 DATE
AS-BUILT 7-4-90

PARKING STRUCTURE
PRECAST PANEL SCHEDULE
& BOOTH DETAILS



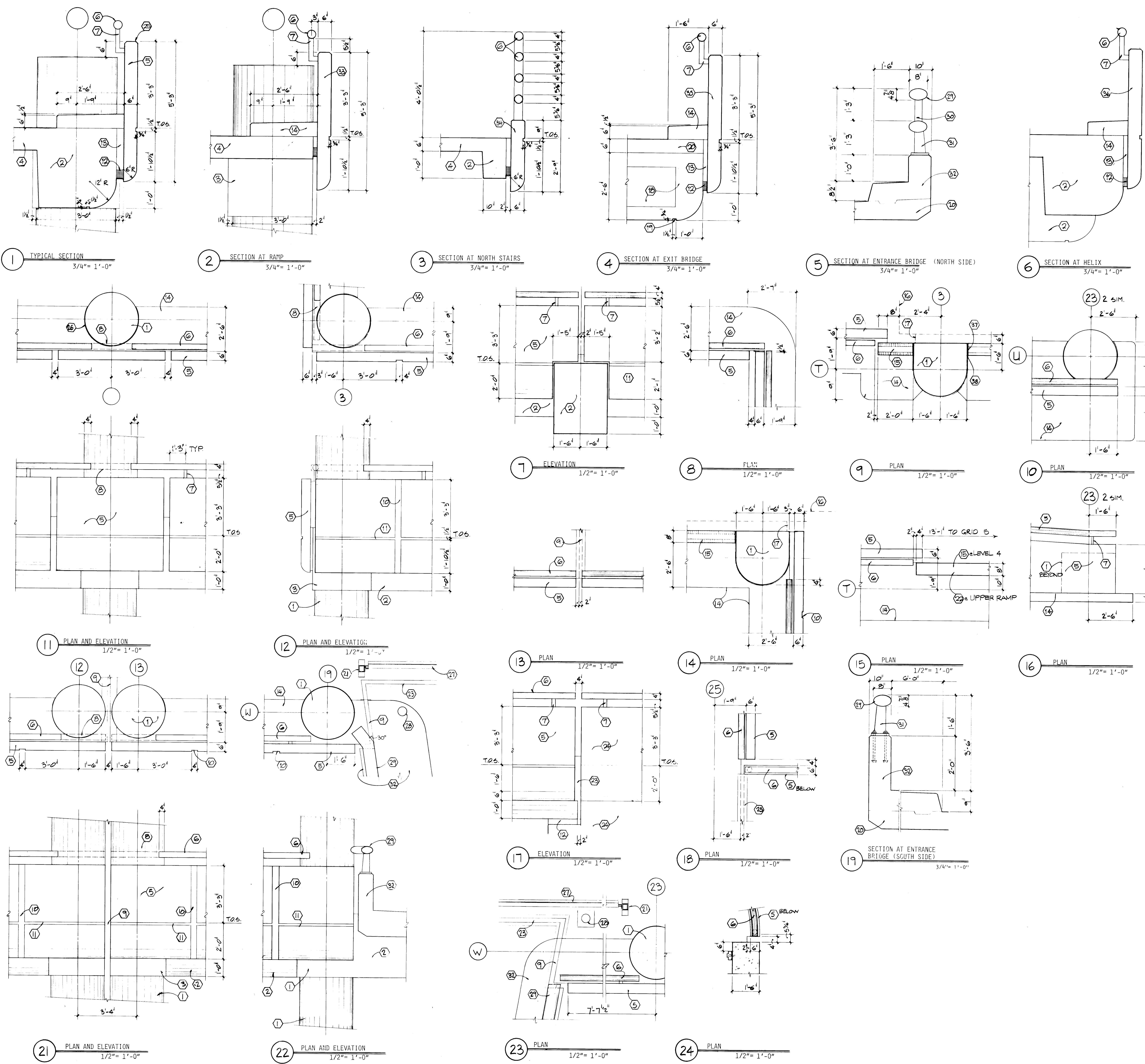
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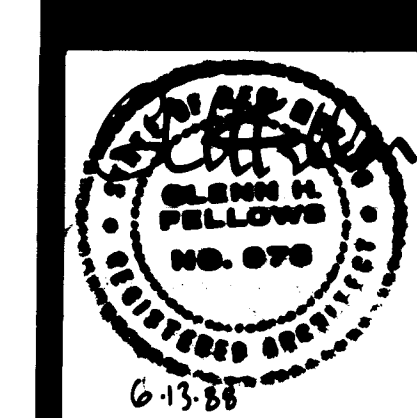
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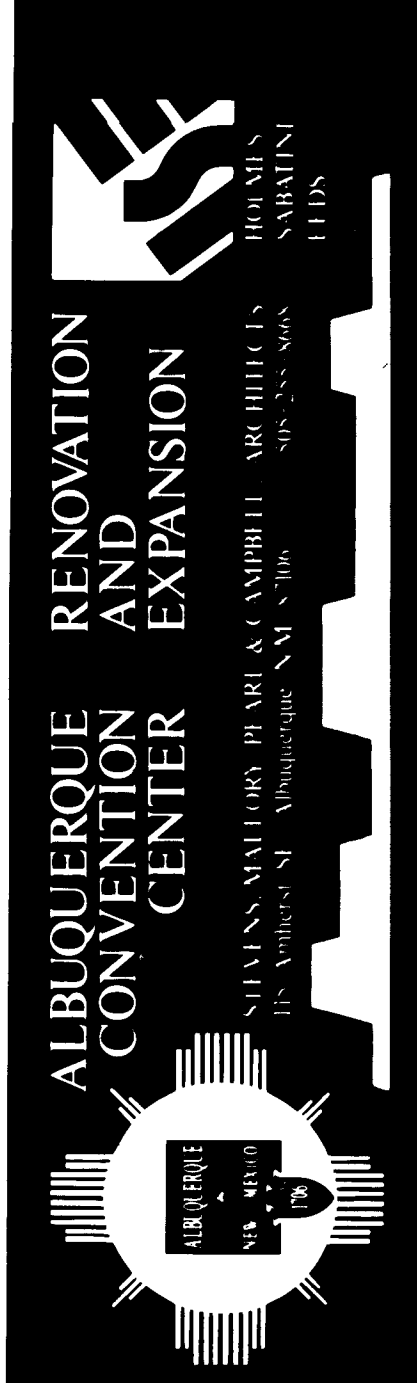


- KEYED NOTES**
- CAST-IN-PLACE CONCRETE COLUMN
 - CAST-IN-PLACE BEAM
 - COLUMN CAPITOL
 - CAST-IN-PLACE POST TENSIONED CONCRETE SLAB
 - ARCHITECTURAL PRECAST PANELS, SEE 1/S14 FOR CONNECTION
 - 4" PIPE GUARDRAIL, ENDS CAPPED (TYPICAL)
 - 2" X 2" X 1/4" TUBE SUPPORT AT 6'-0" O.C. MAX. SEE 32/A13
 - GUARDRAIL CONTINUES AT ROOF LEVEL
 - TYPE 1 OR 2 EXPANSION JOINT, SEE PLAN
 - 4" WIDE X 3/4" DEEP REVEAL
 - 1 1/2" WIDE X 3/4" DEEP REVEAL
 - ELASTOMERIC BEARING PAD
 - GROUT FILL
 - CONCRETE CURB
 - 8" C.M.I.
 - FUTURE EXTERIOR WALL OF CONVENTION CENTER
 - FUTURE EXPANSION JOINT
 - PRECAST BOX GIRDER
 - CAST-IN-PLACE DRIP
 - REINFORCED CONCRETE SLAB SEE A-A/S19 FOR SUP.
 - COILING GRILLE SUPPORT SEE 22/A-13
 - CAST-IN-PLACE CONCRETE WALL
 - TYPE 3 EXPANSION JOINT
 - CAST-IN-PLACE CONCRETE RETAINING WALL, LIGHT SANDBLAST FINISH
 - 1/2" X 1/2" CHAMFER, TYPICAL
 - 1/2" V-GROOVE JOINT AND SEALANT, TYPICAL
 - COILING GRILLE
 - TYPE "A" BOLLARD
 - ELLIPTICAL RAIL, SHAPE TO MATCH EXISTING
 - SEE ELEVATION FOR EXTENT OF DOUBLE RAIL
 - RAIL SUPPORT, SEE STRUCTURAL
 - CAST-IN-PLACE CONCRETE CURB AND PARAPET WALL
 - ARCHITECTURAL PRECAST PANEL, SEE 11/S14 FOR CONNECTION
 - ARCHITECTURAL PRECAST PANEL SEE 11/S17 FOR CONNECTION
 - ARCHITECTURAL PRECAST PANEL, SEE 2/S26 FOR CONNECTION
 - ARCHITECTURAL PRECAST PANEL, SEE 5/S26 FOR CONNECTION
 - 1/2" EPS MATERIAL (TYP)
 - FIRE CURB (TYP)



REVISION: 4-88 DATE
AS-BUILT 7-4-90

**PARKING STRUCTURE
PRECAST PANEL DETAILS**

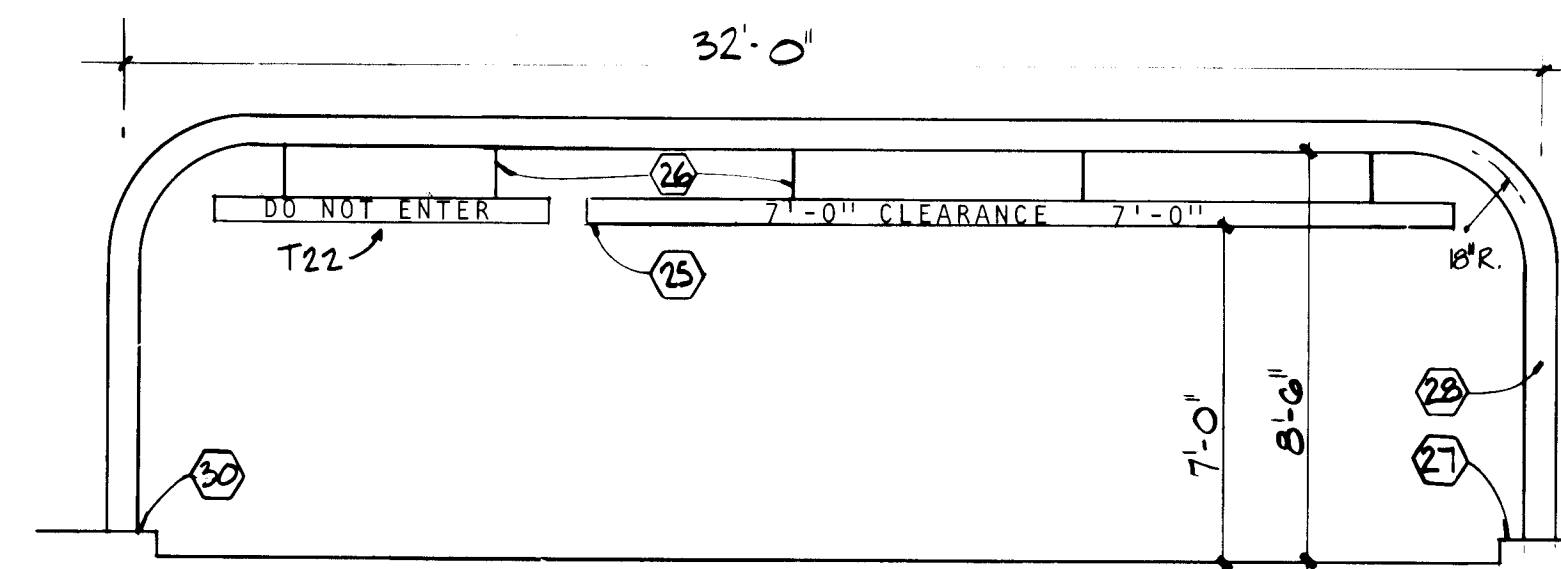
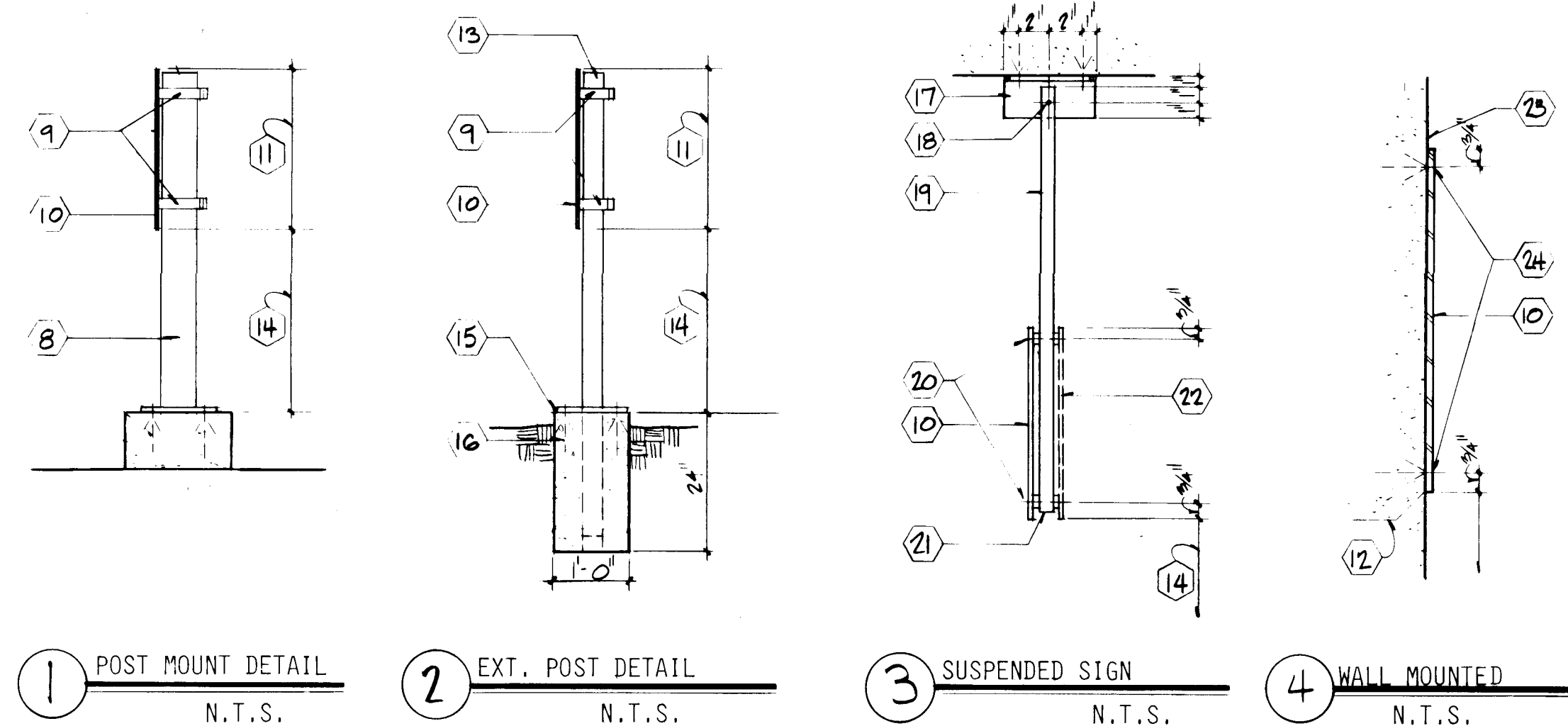


SIGN SCHEDULE

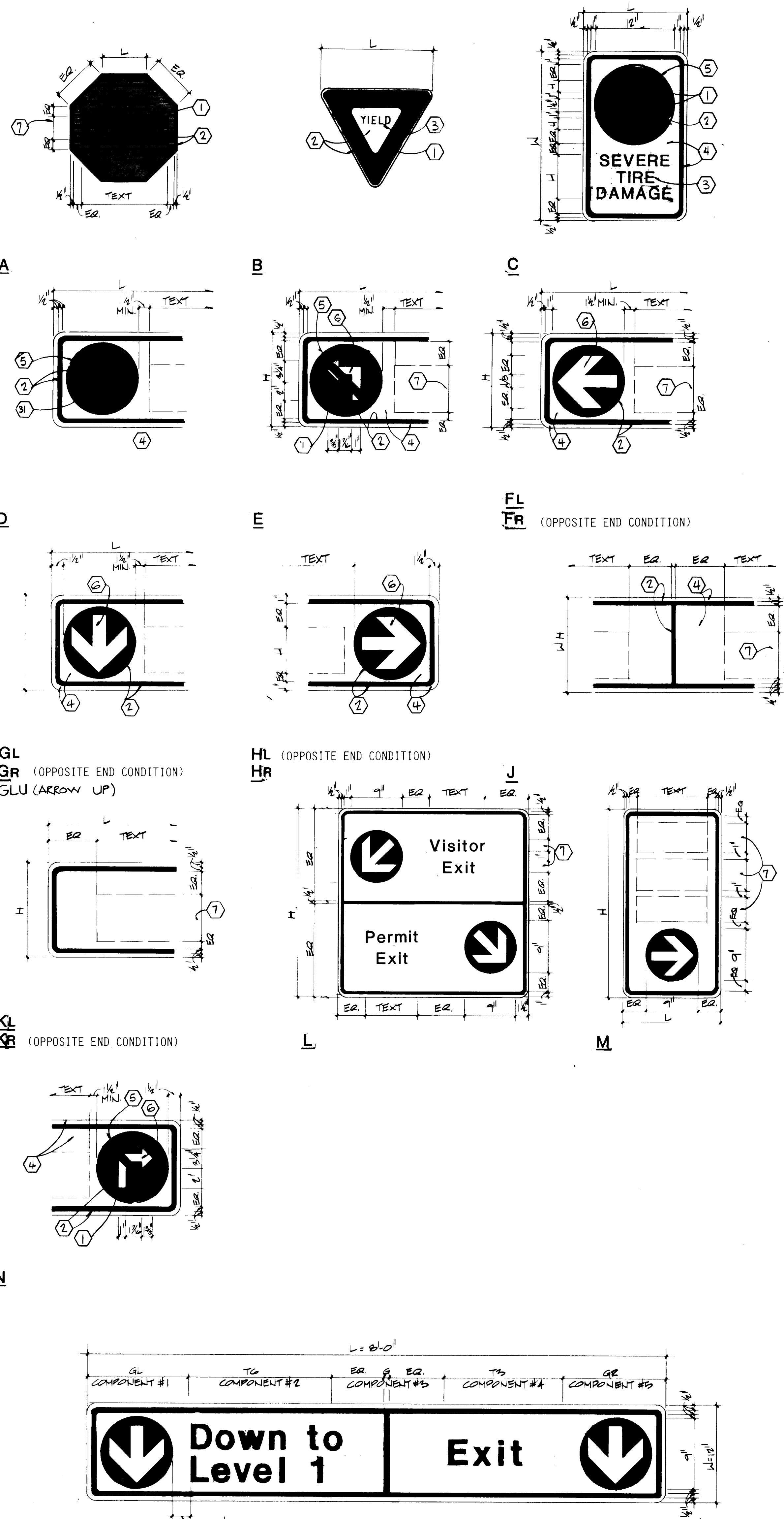
MARK	SIZE		CONTENT SYMBOLS AND TEXT	ELEVATION ELEMENTS							CHARACTERS		COLOR BACKGND.	MOUNTING		REMARKS
	HEIGHT	LENGTH		I	II	III	IV	V	VI	VII	HEIGHT	COLOR		DETAIL	HEIGHT	
1	1'-0"	1'-0"	Ⓢ	FL	T2	J	T3	FR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
2	1'-6"	8'-0"	UP TO LEVEL 3 EXIT	FL	T2	J	T3	FR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
3	5"	10'-0"	7'-0" CLEARANCE DO NOT ENTER	KL	T4	KR					3"	WHITE SCOTCHLITE	BLACK	*5	7'-0"	DIRECT LETTERING ON 6" DIA. PVC PIPE
4	1'-0"	8'-0"	LEVEL 2 GRAND AVE. EXIT	FL	T5	J	T20	KR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
5	1'-6"	10'-0"	DOWN TO LEVEL 1 MARTIN LUTHER KING JR. EXIT	GL	T6	J	T21	GR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
6	1'-0"	5'-0"	ELEVATOR	FL	T7	FR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1*3	4'-0"	POST MOUNTED AT LEVEL 4
7	1'-0"	5'-0"	ONE WAY	FL	T1	N					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1*3	4'-0"	POST MOUNTED AT LEVEL 4
8	NA	2'-0"	YIELD	B							4"	RED SCOTCHLITE	RED SCOTCHLITE	*1/3	4'-0"	POST MOUNTED AT LEVEL 4
9	NA	1'-0"	STOP	A							10"	WHITE SCOTCHLITE	RED SCOTCHLITE	1	4'-0"	
10	1'-0"	1'-0"	EXIT ONE WAY	FL	T3	J	T1	FR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3		
11	1'-6"	9'-0"	PARK GRAND AVE. EXIT	GLU	T11	J	T20	HR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1	4'-0"	
12	1'-6"	5'-0"	UP TO LEVEL 4	FL	T9	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
13	1'-0"	5'-0"	LEVEL 3	FL	T10	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
14	1'-0"	5'-0"	PARK	E			T11	HR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
15	1'-0"	3'-6"		FL	D	KR					NA	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
16	1'-6"	8'-0"	DOWN TO LEVEL 2 EXIT	GL	T12	J	T3	GR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
17	1'-6"	5'-0"	UP TO LEVEL 2	FL	T13	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
18	3'-0"	3'-0"	VISITOR EXIT PERMIT EXIT	L							4"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
19	2'-6"	2'-0"	LEVEL 1 PARK (ARROW BELOW TEXT)	M							6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
20	1'-6"	6'-0"	CONVENTION CENTER	KL	T14	H					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	3	NA	
21	1'-0"	4'-0"	EXIT	KL	T3	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1*3	4'-0"	POST MOUNTED AT LEVEL 4
22	1'-6"	8'-0"	DOWN TO LEVEL 3 EXIT	GL	T15	J	T3	GR			6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
23	1'-0"	5'-0"	LEVEL 4	FL	T16	GR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1*4	4'-0"	POST MOUNTED AT LEVEL 4
24	4'-0"	2'-0"	DO NOT BACK UP SEVERE TIRE DAMAGE	KL	T17	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	1	4'-0"	
25	4'-0"	2'-0"	DO NOT ENTER SEVERE TIRE DAMAGE	K1	T17	KR					4"	WHITE SCOTCHLITE	MEDIUM BRONZE	2	4'-0"	
26	1'-6"	2'-0"	COMPACT ONLY	KL	T19	KR					6"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	4'-0"	
27	1'-6"	4'-6"		FL	D	FR					N/A	WHITE SCOTCHLITE	MEDIUM BRONZE	3	N/A	
28	1'-0"	1'-0"		D	KR						NA	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	
29	1'-6"	10'-0"	DR. MARTIN LUTHER KING JR. EXIT GRAND AVE. EXIT	FL	T21	J	T20	GRU			4"	WHITE SCOTCHLITE	MEDIUM BRONZE	4	NA	

- 11 One Way
- 12 Up to Level 3
- 13 Exit
- 14 7'-0" Clearance 7'-0"
- 15 Level 2
- 16 Down to Level 1
- 17 Elevator
- 18 Left Turn Only
- 19 Up to Level 4
- 20 Level 3
- 21 Park
- 22 Down to Level 2
- 23 Up to Level 2
- 24 Convention Center
- 25 Down to Level 3

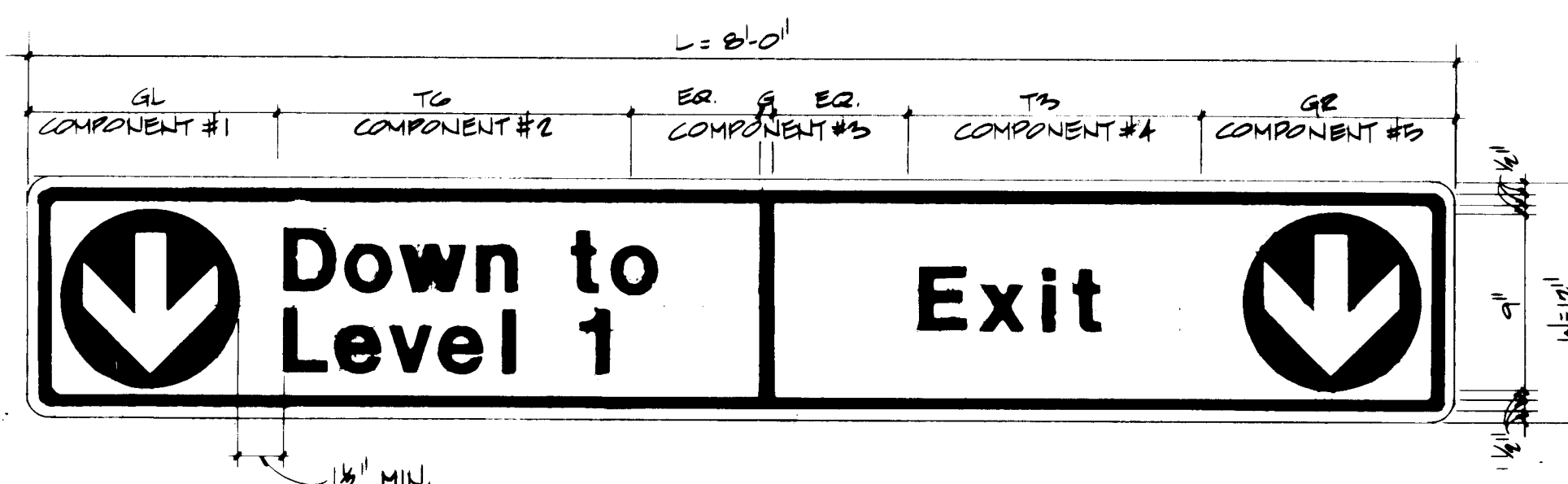
- 116 Level 4
- 117 Do Not Back Up Severe Tire Damage
- 118 Level 1 Park
- 119 Compact Only
- 120 Grand Ave. Exit
- 121 Dr. Martin Luther King Jr. Exit
- 122 Do Not Enter



5 CLEARANCE SIGN ELEVATION
1/4" = 1'-0"



EXAMPLE SIGN

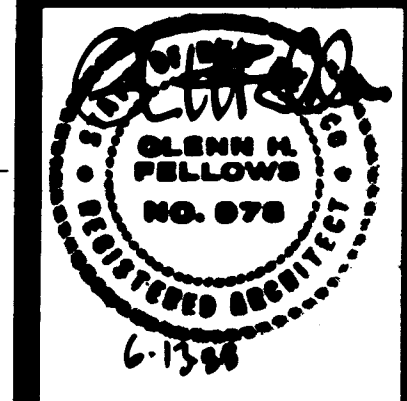


KEYED NOTES

- RED REFLECTIVE SHEETING
- WHITE REFLECTIVE SHEETING
- CHARACTER COLOR
- BACKGROUND COLOR
- 1/8" BORDER, WHITE REFLECTIVE SHEETING
- BLACK
- CHARACTER HEIGHT
- SEE BOLLARD DETAIL 30/A13
- MOUNTING BRACKETS #2238 BY ALCOA OR APPROVED EQUAL WITH "TUFF NUT" FOR SIGN BOLT
- SIGN FACE
- HEIGHT, SEE SCHEDULE
- BOTTOM OF BEAM (WHERE APPLICABLE)
- M20 2 3/8" O.D. STEEL PIPE WITH TOP CAP PLATE AND 10" X 10" X 3/4" BASE PLATE (GALVANIZED)
- MOUNTING HEIGHT (SEE SCHEDULE)
- PIPE TO BE SHIMMED TO VERTICAL
- 4" "HILTI" KWIK-BOLT #12-534 (OR APPROVED EQUAL)
- GALVANIZED STEEL ANGLE 3" X 3" X 1/4" WITH 2 "HILTI" KWIK-BOLT #SS-14-158 (OR APPROVED EQUAL)
- 3/8" DIAMETER STAINLESS STEEL NUT AND BOLT PIVOT WITH 1" NYLON SPACER BETWEEN ANGLE AND HANGER
- GALVANIZED 1" DIA. X 1/8" WALL STEEL TUBE HANGER, 2 PER SIGN SPACED AT 3'-0" O.C. MIN.
- 1/2" DIA. STAINLESS STEEL TAMPER PROOF SCREWS
- STIFFENER PLATE FOR SIGNS 5'-0" AND LONGER
- SIGN FACE (WHERE SIGNS ARE MOUNTED BACK TO BACK)
- FACE OF COLUMN, WALL OR BEAM
- METAL ANCHOR, "HILTI" #5403010 AT 3'-0" O.C. MINIMUM 4 PER SIGN (OR APPROVED EQUAL)
- 6" P.V.C. PIPE, PROVIDE EYEBOLT TO ATTACH
- 3/16" PROOF COIL WELDED STEEL CHAIN TO STRUCTURE AND P.V.C. SIGN
- 6" CURB, SEE AS
- 8" Ø STEEL TUBE
- 8" CURB
- SEE SHEET S20 FOR CONNECTION
- BLUE REFLECTIVE SHEETING

SIGNAGE NOTES

- ALL SIGNS SHALL BE FABRICATED OF 0.080" FLAT ALUMINUM SHEETING (UNLESS OTHERWISE NOTED) WITH ROUNDED CORNERS, AND FREE OF TWISTS OR BENDS. PLATE STIFFENERS SHALL BE INSTALLED ON SIGN BACKS WHERE REQUIRED. SIGNS SHALL BE FABRICATED WITH MATERIALS AND METHODS OF CONSTRUCTION REQUIRED TO MAINTAIN SIGN STIFFNESS UNDER ALL MOUNTING CONDITIONS. SIGNS SHALL BE MOUNTED USING 3/8" DIA. CADMIUM PLATED TAMPER PROOF SCREWS AS NECESSARY. SIGNS MOUNTED TO WALLS OR COLUMNS SHALL NOT REQUIRE ADDITIONAL BRACING.
- LETTER FORMS FOR SIGNAGE AND GRAPHICS SHALL BE UPPER AND LOWER CASE HELVETICA MEDIUM TYPE STYLE OF SIZE AS NOTED ON SIGN SCHEDULE (UNLESS OTHERWISE NOTED).
- BACKS AND EDGES OF ALL SIGNS, MOUNTING PLATES AND BRACKETS SHALL BE PAINTED THE SAME COLOR AS THE BACKGROUND COLOR ON THE FACE OF THE SIGNS. INTERNALLY ILLUMINATED SIGN FRAMES SHALL BE ANODIZED (NOT PAINTED) DARK BRONZE TYPE AND COLOR.
- SIGNS SHALL BE MOUNTED PARALLEL TO SUPPORT MEMBER WITH BOLTS AND ANCHORS USING "TUF NUT" TAMPER PROOF FASTENERS (OR APPROVED EQUIVALENT). MOUNTING SCREWS FOR ALL SIGNS SHALL BE LOCATED TO MISS CONCRETE REINFORCING.
- BOTTOM OF ALL OVERHEAD SIGNS SHALL BE 7'-0" ABOVE FINISHED FLOOR (UNLESS OTHERWISE NOTED). ALL MOUNTING DIMENSIONS ARE TO THE BOTTOM OF THE SIGNS.
- WHERE TWO SIGNS ARE MOUNTED BACK TO BACK, THE SMALLEST "L" DIMENSION SHALL INCREASE TO MATCH THE LARGEST "L" DIMENSION.
- LETTERS AND NUMBERS PAINTED ON DOORS OR WALLS SHALL BE BLACK COLOR LEGEND ON TIER COLOR CODED BACKGROUND (UNLESS OTHERWISE NOTED). NUMBERS SHALL CORRESPOND TO FLOOR NUMBERS IN THE ELEVATOR CAB. THE PAINTING CONTRACTOR SHALL SUBMIT COLOR CHARTS TO THE ARCHITECT FOR COLOR SELECTION APPROVAL PRIOR TO PAINTING AND FABRICATION OF SIGNS.
- MAXIMUM BOLT INSERT EMBEDMENT LENGTH 1 1/4" (UNLESS OTHERWISE NOTED).

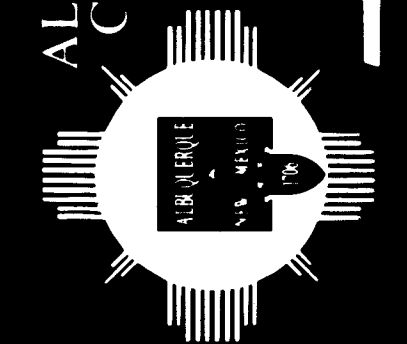


REVISION 4-99 DATE
AS-BUILT 7-4-99

DRAWN BY: TO CHECKED BY:

PARKING STRUCTURE
SIGN SCHEDULE
& SIGN DETAILS

ALBUQUERQUE RENOVATION
AND CONVENTION CENTER
EXPANSION



SHEET

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GENERAL STRUCTURAL NOTES

- CODES AND MANUALS:
Uniform Building Code, 1985 Edition
ACI 318-83
AISC Manual of Steel Construction 8th Edition
- DESIGN LIVE LOADS:

A. Vertical:	Loads	
	Roof & Ramps (Including Snow)	Floors
1. Supported Parking and Ramps		
a. Slab & Beams Supporting Less Than 650 sq.ft.	90 psf	50 psf
b. Beams Supporting 650 sq.ft. or More	62 psf	30 psf
c. Columns	62 psf	30 psf
2. Wearing Surface (Supported Parking and Ramps)	20 psf	20 psf
3. Concentrated Wheel Load (on 2.5 sq. feet)	2000 lbs	
4. Bumper Impact Load, Over 1 Foot Square, Located 18 inches above Finished Floor, Ultimate	10,000 lbs	
5. Slabs on Grade	50 psf	
6. Stairs, Landings and Lobbies	100 psf	
7. Storage Room Floor	125 psf	
8. Stair Roofs	20 psf	

B. Wind Load: *(Per UBC Section 2311)		
Basic Wind Speed: 75 MPH		
Wind Stagnation Pressure (q_s)	15 psf	
Exposure B		
Combined Height, Exposure and Gust Factor (C_g)		
Height (Ft)	C_g	
0-20'	0.7	
20-40'	0.8	
40-60'	1.0	
100-60'	1.1	

Importance Factor I		C _q		PRESSURE p = C _p C _q q _s (psf)			
Pressure Coefficients, C _p				Height (ft)			
				0-20 ft	20-40 ft	40-60 ft	60-100 ft
1. Primary Frame & Systems METHOD 2 (Protected Area Method)							
On vertical projected area							
1	Roof Structures 40 feet or less in height	1.3 horizontal any direction	14	16	17	21	24
	Structures over 40 feet in height	1.4 horizontal any direction					
	On horizontal projected area						
	Enclosed Structure	0.7 upward	8	9	11	12	
	Open Structure	1.2 upward	13	15	18	20	
2. Elements & Components							
1	Wall Elements						
	All structures	1.2 inward	13	15	18	20	
	Enclosed Structures	1.1 outward	12	14	16	19	
	Open Structures	1.6 outward	17	20	24	27	
	Parapets	1.3 inward or outward	14	16	20	22	
Roof elements							
1	Enclosed structures slope < 9:12	1.1 outward	12	14	17	19	
	Open Structures slope < 9:12	1.6 outward	17	20	24	27	
3. Local areas at discontinuities (10 feet all directions from discontinuity or 0.1 times the least width of the structures, whichever is smaller)							
1	Wall corners	2.0 outward	21	24	30	33	
	Canopies or overhangs at eaves or rakes	2.6 upward	29	34	42	47	
	Roof ridges at ends of buildings or eaves and roof edges at building corners	3.0 upward	32	36	45	50	
	Eaves or rakes without overhangs away from building corners and ridges away from ends of building	2.0 upward	21	24	30	33	
Cladding connections Add 0.5 to outward or upward C _q for appropriate location							
4. Signs, flagpoles, lightpoles, minor structures							
1	1.4 any direction	15	17	21	24		

C. Seismic: *(Per UBC Section 2312)	
Zone 2	$Z = 0.375$
$V = 2.0$	$I = 1.0$
	$K = .67$ Supported
	1.33 Stair Tower
	$CS = 0.14$

*Allowable 1/3 stress increase for combined gravity and/or wind/seismic loading

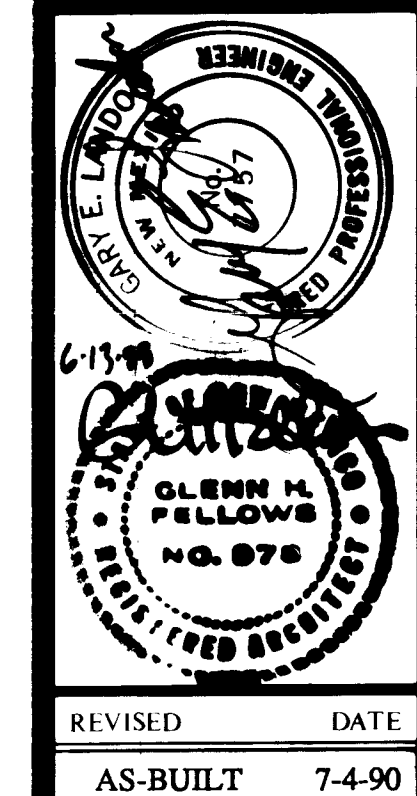
D. Design Temperature Differential	60°F
E. Expansion: None	
F. 16" Diameter Augercast Piles Compression Capacity	150,000 lbs
Tension Capacity	80,000 lbs
G. Maximum Allowable Soil Bearing Pressure	2,000 psf
H. Equivalent Fluid Active Pressure	40 pcf
Passive Pressure	300 pcf

- GENERAL:
 - The Contractor shall verify all dimensions in the field.
 - Shop drawings shall be furnished for review before any fabrication and erection is started. Poorly executed shop drawings shall be rejected and resubmitted. Shop drawings are an aid for field placement and are superseded by the structural drawings. It shall be the responsibility of the General Contractor to make certain that all construction is in full agreement with the latest Structural Drawings.
 - The Contractor shall be responsible for providing safe and adequate shoring for all parts of the structure during construction.
 - All trades shall coordinate and verify all openings in structural members with the General Contractor.
 - The General Contractor shall be responsible for foundations under mechanical equipment and shall coordinate size and location of foundations with the Mechanical Contractor.
- MATERIALS:
 - Cast-in-place Concrete:
 - Hardrock Concrete (Unit Wt. = 150 pcf)
 - $f_c = 4000$ psi @ 28 days (air entrained) - All structural slabs (unless noted otherwise), beams (unless noted otherwise), and exterior concrete including sidewalks, slabs, piers, curbs, gutters, and retaining walls.
 - $f_c = 5500$ psi @ 28 days (air entrained) - Structural slabs and beams at fourth level and upper ramp.
 - $f_c = 4000$ psi @ 28 days interior cast-in-place concrete including pilecaps, grade beams, pedestals and footings.
 - $f_c = 5500$ psi @ 28 days all columns.
 - Reinforcing Steel:
 - All reinforcing steel shall conform to ASTM A615 Grade 60, except Grade 40 for ties and stirrups.
 - Welded smooth wire fabric shall conform to ASTM A185 specification for welded wire fabric for concrete reinforcement.

- Reinforcing steel shall be fabricated and placed in accordance with the Building Code Requirements for Reinforced Concrete (ACI 318-83) and the Standard Manual (ACI 315-80).
- Bar supports and spacers for rebar shall be provided in accordance with ACI 315-80. Chairs with 22 ga. sand plates shall be provided for all rebar in slabs on grade.
- Where lapped splices in reinforcing occur, the minimum lap shall be made as follows unless noted otherwise:
 - Vertical reinforcing: 30 bar dia. or 18" minimum.
 - Horizontal reinforcing: 30 bar dia. or 18" minimum.
 - Horizontal corner bars: 30 bar dia. or 18" minimum.
- Concrete cover for reinforcing shall be as follows unless noted otherwise:
 - Footings: 3" from bottom and sides.
 - Stem Walls: 2" from sides and 2" from top and bottom.
 - Slabs on Grade: as noted on drawings.
 - Structural slabs: 3/4" from bottom 1-1/2" from top
 - Beam Bottoms and Sides, and Columns: 2" for ties, stirrups and spirals.
 - Beam Top Reinforcing: 2-1/2"
 - File Caps: Noted on Drawings.
- The Contractor shall be responsible to see that all rebar is properly aligned and tied in place before placing concrete. All column, wall dowels and vertical steel shall be accurately located and secured in place so that it remains in the position during the concrete placing operation. Any rebar found to be improperly installed shall be removed and replaced at no additional cost to the Owner.
- All horizontal reinforcing in footings, walls and beams shall be continuous around corners or have corner bars of the same size and spacing as the horizontal bars and lap a minimum of 30 bar diameters or 18" minimum.
- Form ties shall be either of the threaded or snap off type so that no metal will be left within 1" of the surface of the wall. Following removal of form ties, recesses are to be carefully filled and pointed with mortar.

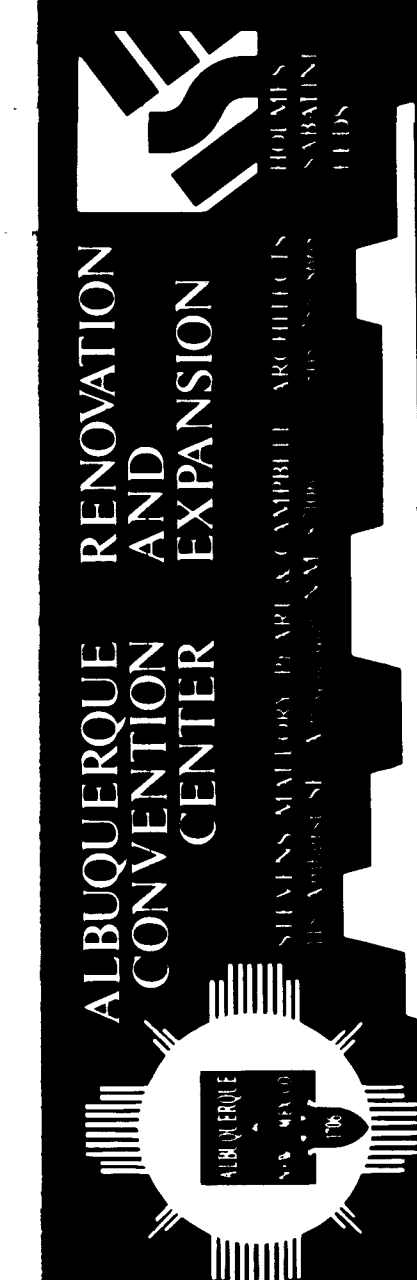
- Structural and Miscellaneous Steel:
 - All structural and miscellaneous steel members, shapes and connections shall conform to ASTM A36.
 - All cold formed structural steel tubing shall conform to ASTM A500 grade B, $F_y = 46$ KSI.
 - The Contractor shall be responsible for checking the Architectural drawings for all miscellaneous steel.
 - Bolts shall conform to ASTM A325 tension control bolts unless noted otherwise, with sizes as shown on the drawings. Anchor bolts embedded in concrete shall be ASTM A307 bolts or A36 threaded bars. All anchor bolts exposed to the weather shall be galvanized.
- Welding shall be done by certified welders and shall be in accordance with the latest standards of the AWS and AISC. Inspect all welding in accordance with the specifications.
- Precast Concrete:
 - $f_c = 5000$ psi hardrock concrete @ 28 days
 - Mix design, including admixtures, shall be submitted for review prior to casting.
 - All mild reinforcing steel shall conform to ASTM A615 Grade 60, except Grade 40 for ties and stirrups.
 - Prestressing tendons shall conform to ASTM A416 specifications for uncoated seven-wire stress-relieved strand 270K.
 - The precast manufacturer shall be responsible for providing that all cast-in embedments in precast members, such as anchors, inserts, plates, angles, etc., shall have sufficient anchorage for loads encountered during transportation and erection operations.
- Post-Tensioned Concrete: See Sheet S13 for Post-tensioning Notes.
- Piles: All piles shall be augercast piles 16" diameter. Minimum length 50'.

C of PWG Maps & Records
2/6 2/7 3/6 2/3 9/1



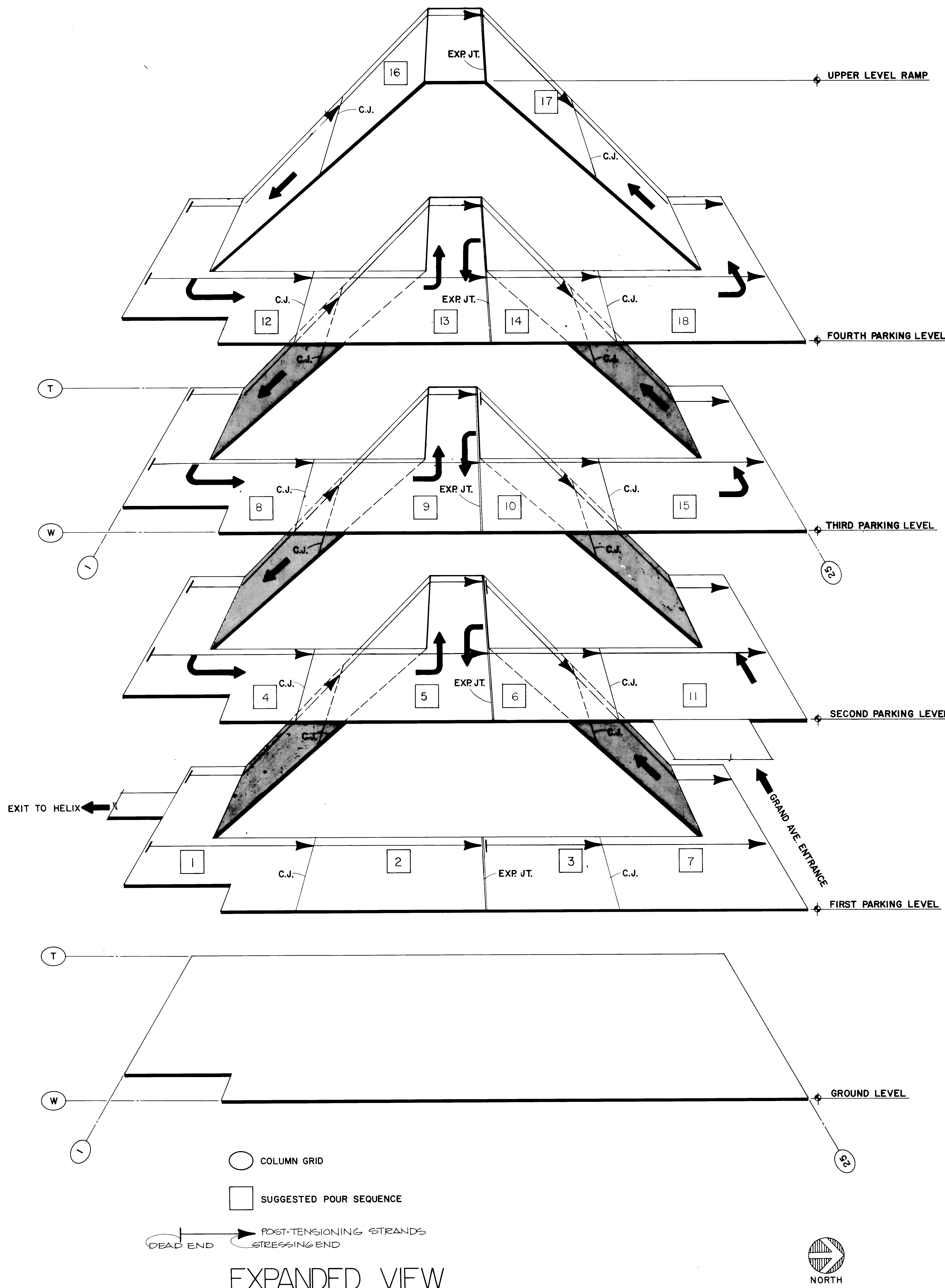
REVISION DATE
AS-BUILT 7-4-90

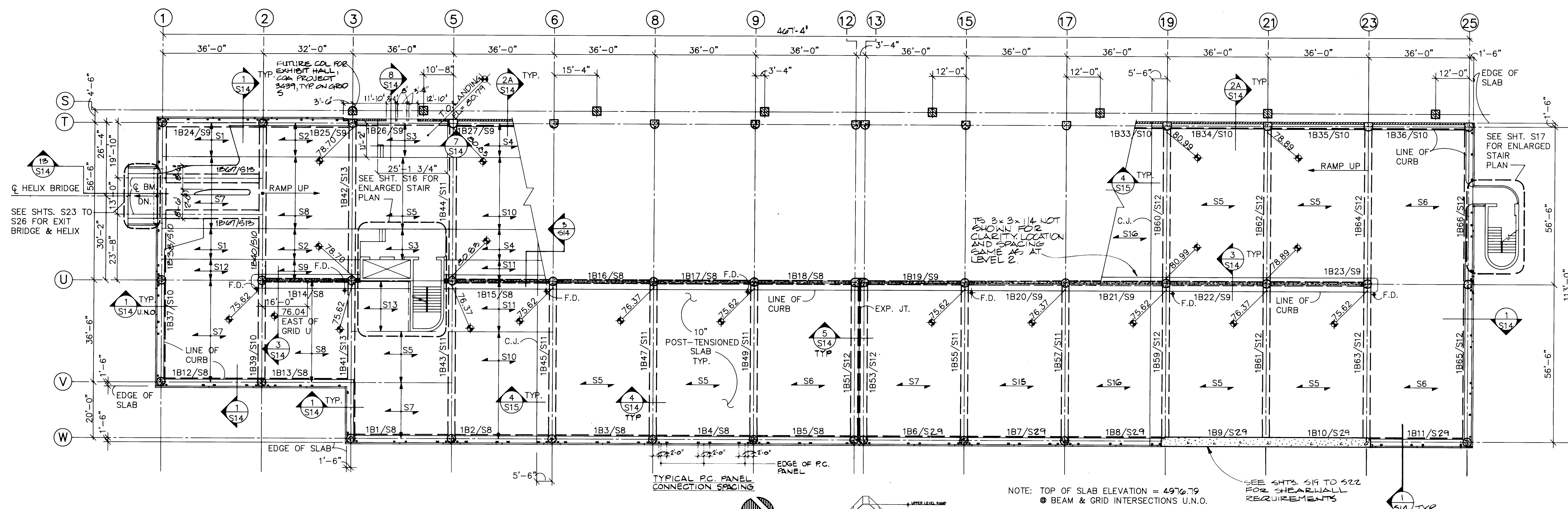
PARKING STRUCTURE
EXPANDED VIEW AND
GENERAL STRUCTURAL
NOTES



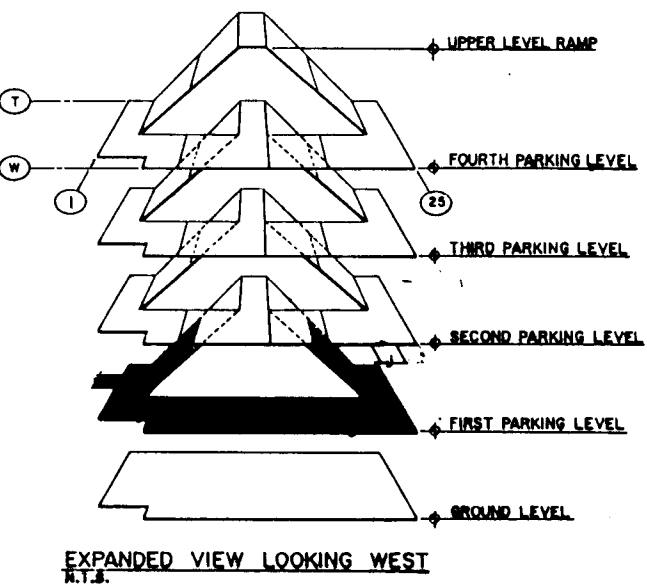
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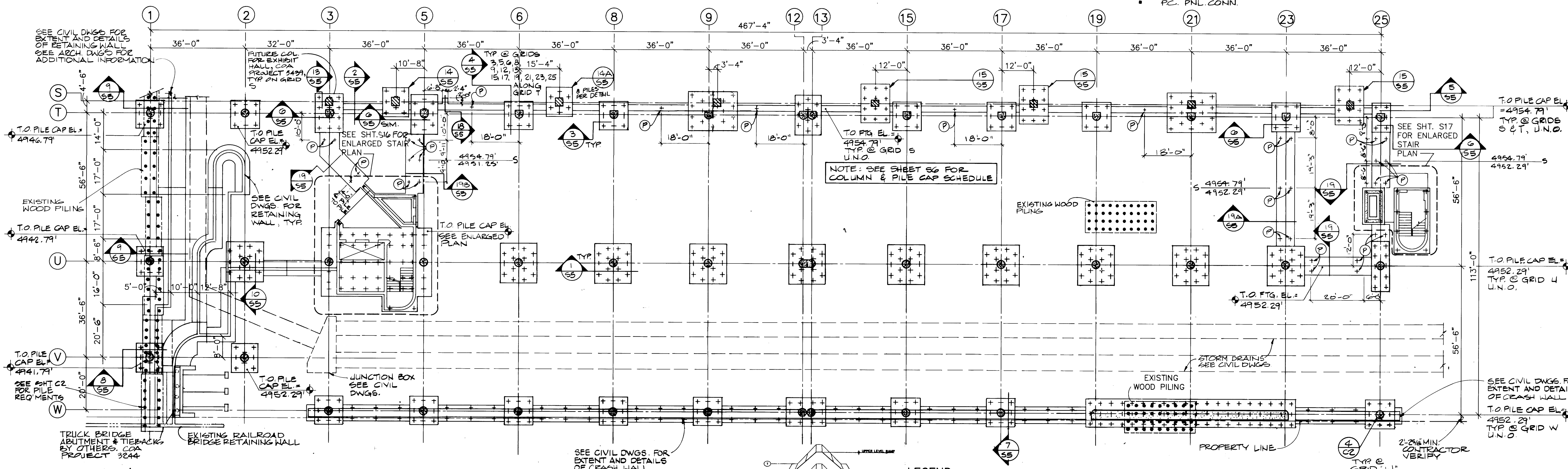




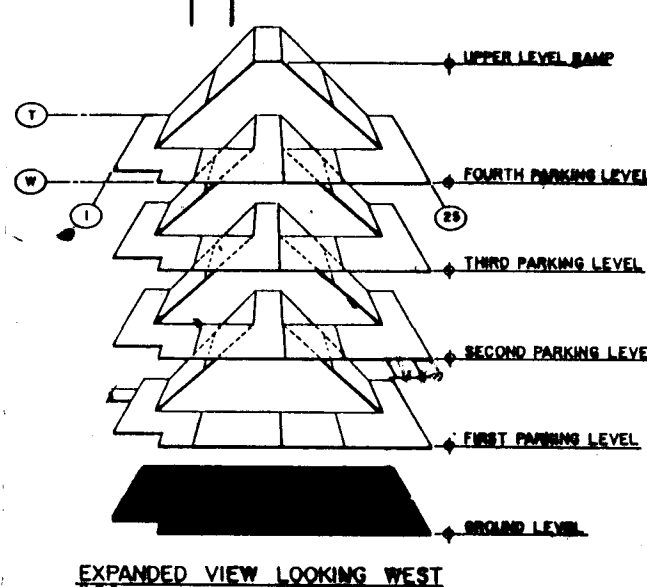
LEVEL 1 FRAMING PLAN
1/16" = 1'-0"



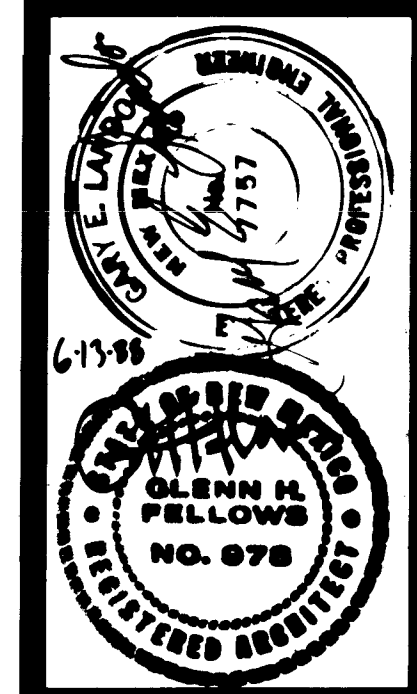
- LEGEND**
- 1B1/S8 BM. MARK SHEET NO.
 - CAST-IN-PLACE CONCRETE BEAM
 - PRECAST CONCRETE WALL PANEL
 - OMU WALL
 - CONCRETE WALL
 - TOP OF SLAB ELEVATION
 - F.D. FLOOR DRAIN
 - C.J. SLAB CONTROL JOINT
 - EXP. JT. EXPANSION JOINT
 - INDICATES SLAB MARK. SEE SHT. S7 FOR SLAB SCHEDULE. SLAB MARK EXTENDS FROM GRID TO GRID U.N.O.
 - P.C. PNL CONN.



FOUNDATION PLAN
1/16" = 1'-0"



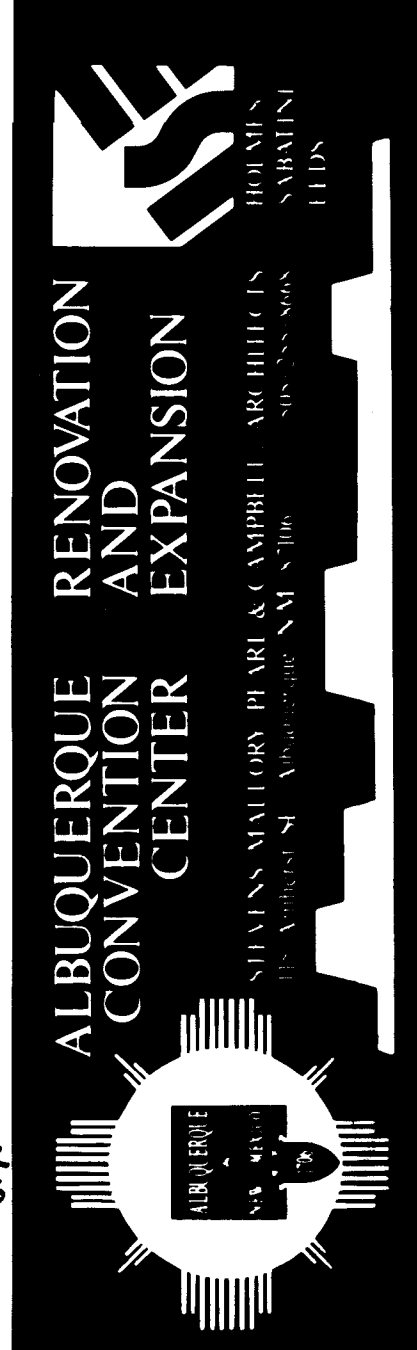
- LEGEND**
- + DENOTES NEW AUGER CAST PILE LOCATION
 - DENOTES EXISTING PILE LOCATION
 - CONCRETE WALL
 - S DENOTES STEPPED FOOTING; SEE 12/95.
 - ⊙ LOCATION OF PILE UNDER CONTINUOUS FOOTING
 - T.O. TOP OF FOOTING ELEVATION



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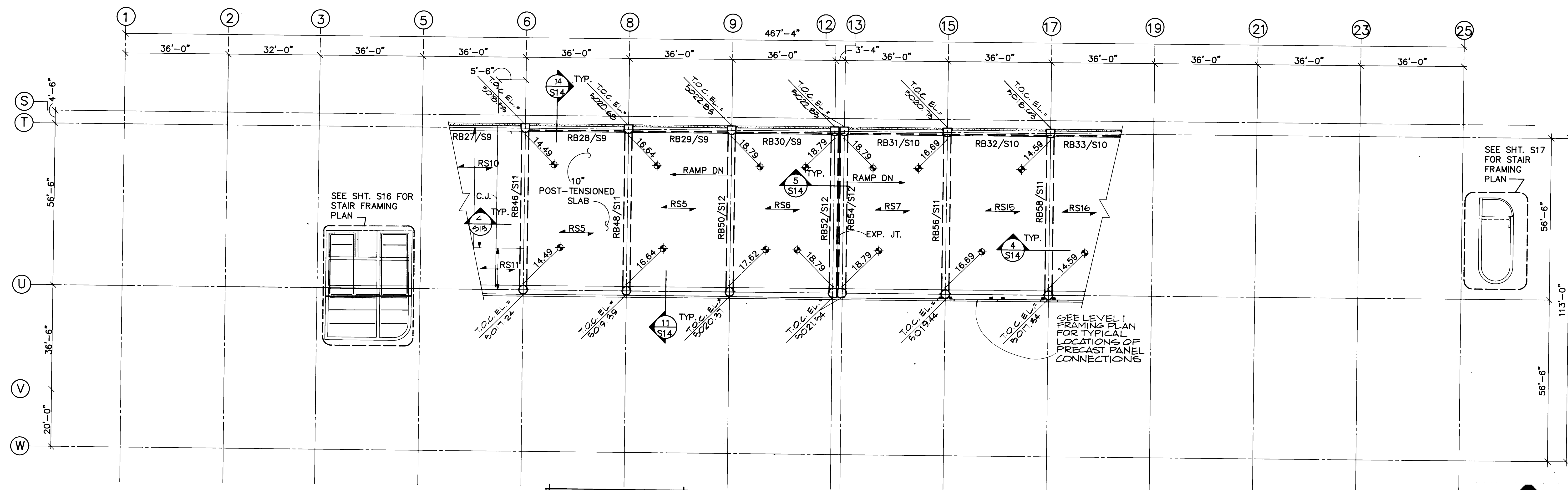
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CHECKED BY: J. K. KELLEY

**PARKING STRUCTURE
FOUNDATION AND LEVEL 1
FRAMING PLANS**



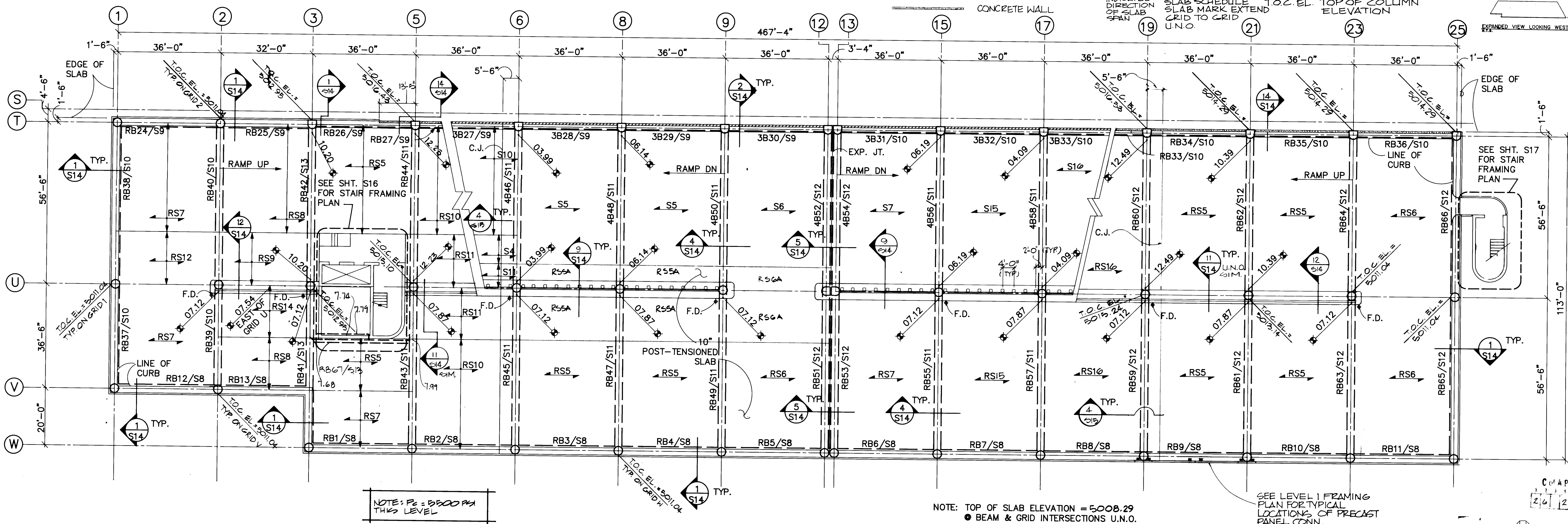
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OF 67



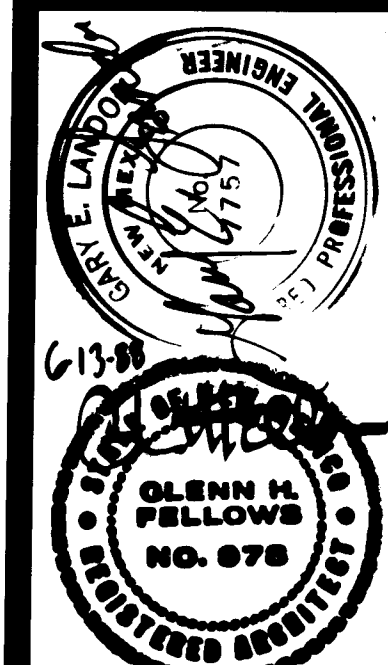
UPPER RAMP FRAMING PLAN

1/16" = 1'-0"



LEVEL 4 FRAMING PLAN

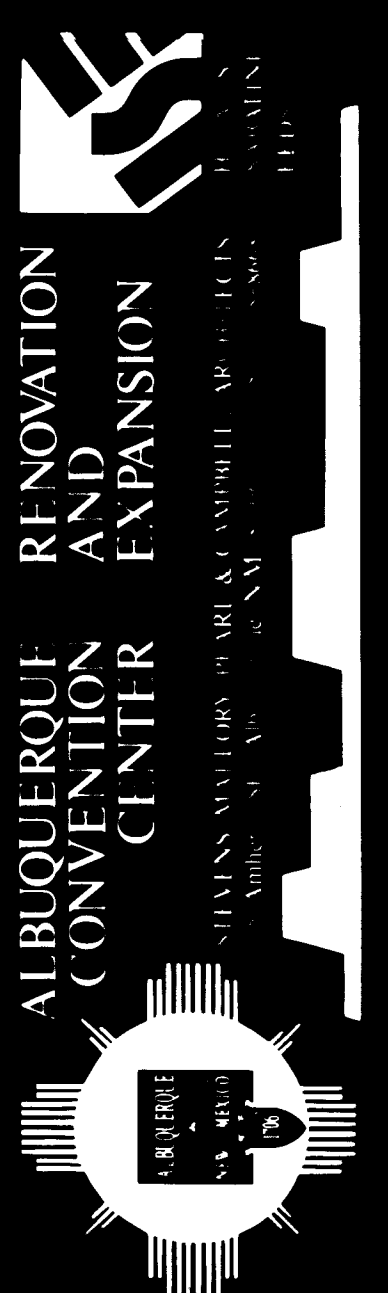
1/16" = 1'-0"



REVISION DATE
AS-BUILT 7-4-90

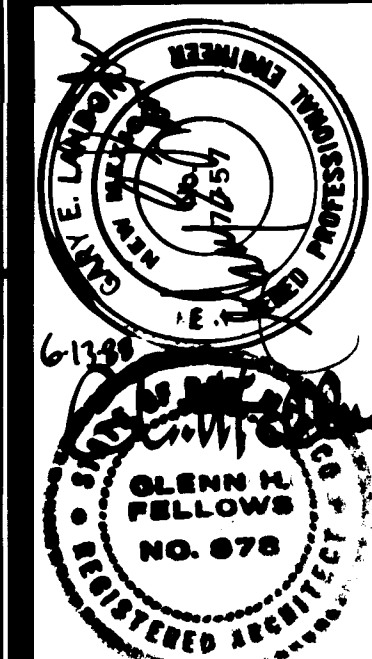
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CHECKED BY: J. L. JONES

PARKING STRUCTURE
LEVEL 4 AND UPPER RAMP
FRAMING PLANS



SHEET

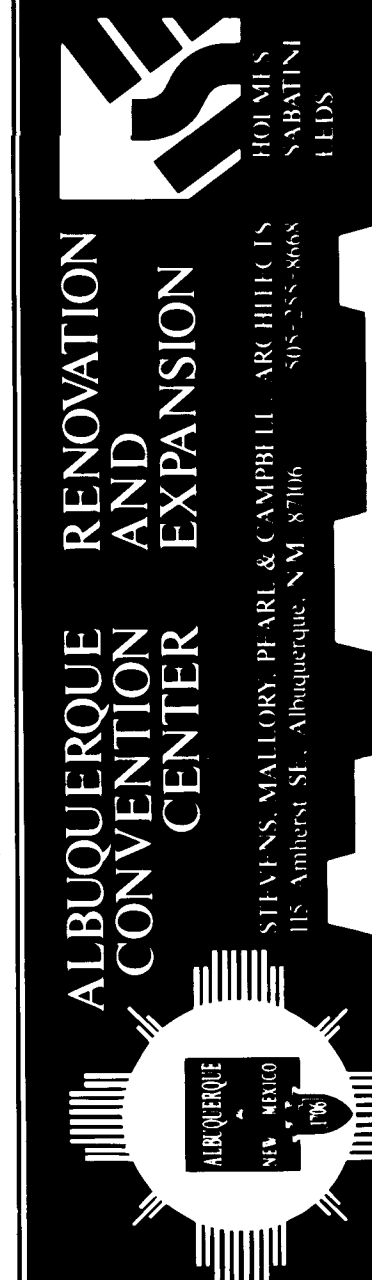
OF 67

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REVISED	DATE
AS-BUILT	7-4-90

DRAWN BY SBH/TKB	CHECKED BY GEL/JAN
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PARKING STRUCTURE COLUMN AND PILE CAP SCHEDULE

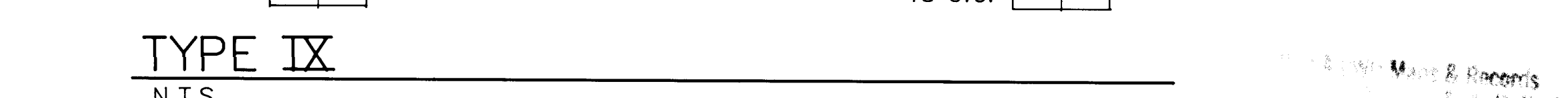
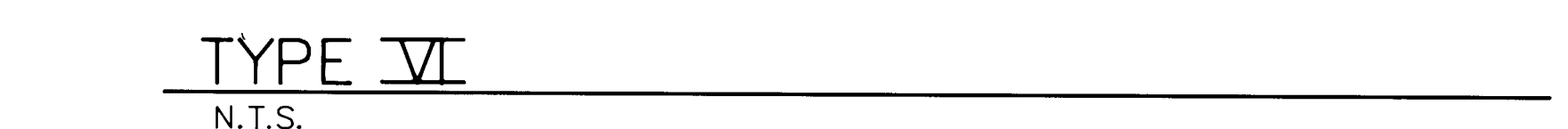
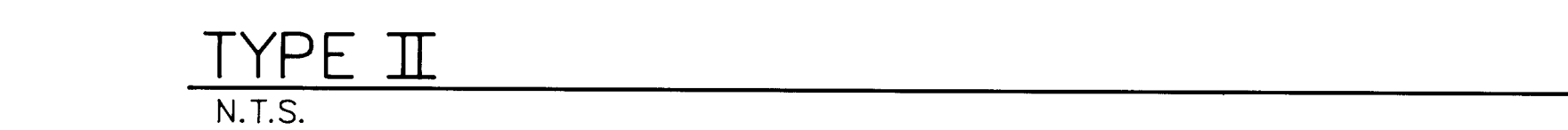
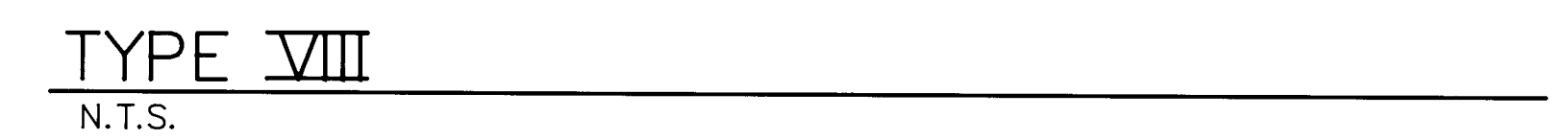
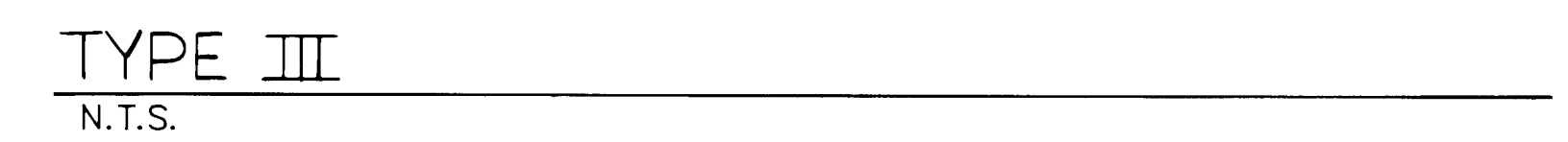
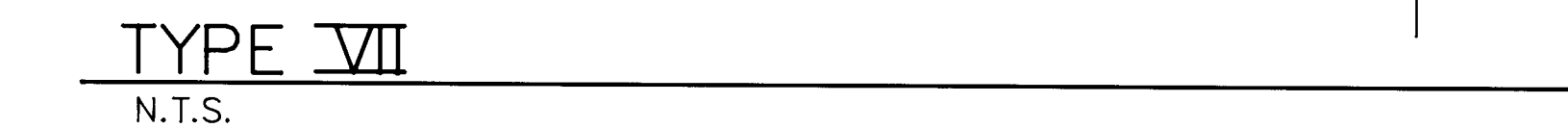
BUQUERQUE
CONVENTION
CENTER
RENOVATION
AND
EXPANSION

SHEET

S-6

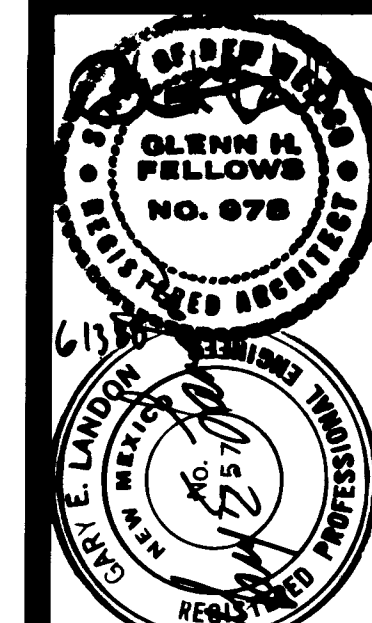
OF 67.

SLAB SCHEDULE NOTES:	* NOTE:
1. EXTEND d BARS FULL SPAN LENGTH PLUS 6" INTO SUPPORT EACH SIDE. 2. Fe CHANGES AT CONSTRUCTION JOINT. SEE APPLICABLE SLAB TYPE. SEE DETAILS 4/S15 & 5/S15. 3. SEE SECTIONS 7/S14 & 8/S14 FOR LANDING DETAIL.	"c" AND "e" TOP BARS IN ADJACENT SLABS ARE ADDITIVE. FOR EXAMPLE, "e" BAR OF SLAB S2 IS #6 @ 24" AND "c" BAR OF SLAB S3 IS #6 @ 24". TOTAL TOP BAR REINFORCING OVER THE COMMON SUPPORT EQUALS #6 @ 12" O.C. SEE 5/S15 FOR TYPICAL ADDED TENDON ANCHORAGE DETAIL. FE INDICATES TEMP STRANDS



BEAM DIAGRAM NOTES

1. TOP OF BEAM ELEVATIONS VARY. BEAM DIAGRAMS ARE SHOWN FOR REINFORCING REQUIREMENTS ONLY AND DO NOT REFLECT ACTUAL BEAM SLOPES. SEE PLANS FOR ELEVATIONS. USE A STRAIGHT LINE INTERPOLATION FOR ELEVATIONS BETWEEN THOSE INDICATED ON PLAN.
2. WHERE BEAM SLOPES CHANGE @ SUPPORTS, SHOP BEND TOP AND BOTTOM BAR REINFORCING.
3. SUBMIT BEAM DIAGRAMS AT SUFFICIENT SCALE TO CLEARLY SHOW BEAM PROFILES, SLOPES AND REQUIRED REINFORCING.
4. CLEAR DISTANCE BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE DIAMETER OF THE BAR NOR LESS THAN 1 INCH. THE DIAMETER OF A BUNDLED BAR SHALL BE DERIVED FROM THE EQUIVALENT TOTAL AREA.
5. SPLICES OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS, OR AS AUTHORIZED BY THE ENGINEER.
6. REINFORCING BARS BUNDLED IN CONTACT SHALL BE LIMITED TO TWO IN ONLY ONE BUNDLE, AND SHALL BE TIED, WIRED, OR OTHERWISE FASTENED TOGETHER TO INSURE THEY REMAIN IN POSITION, WHETHER VERTICAL OR HORIZONTAL.
7. SEE THE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



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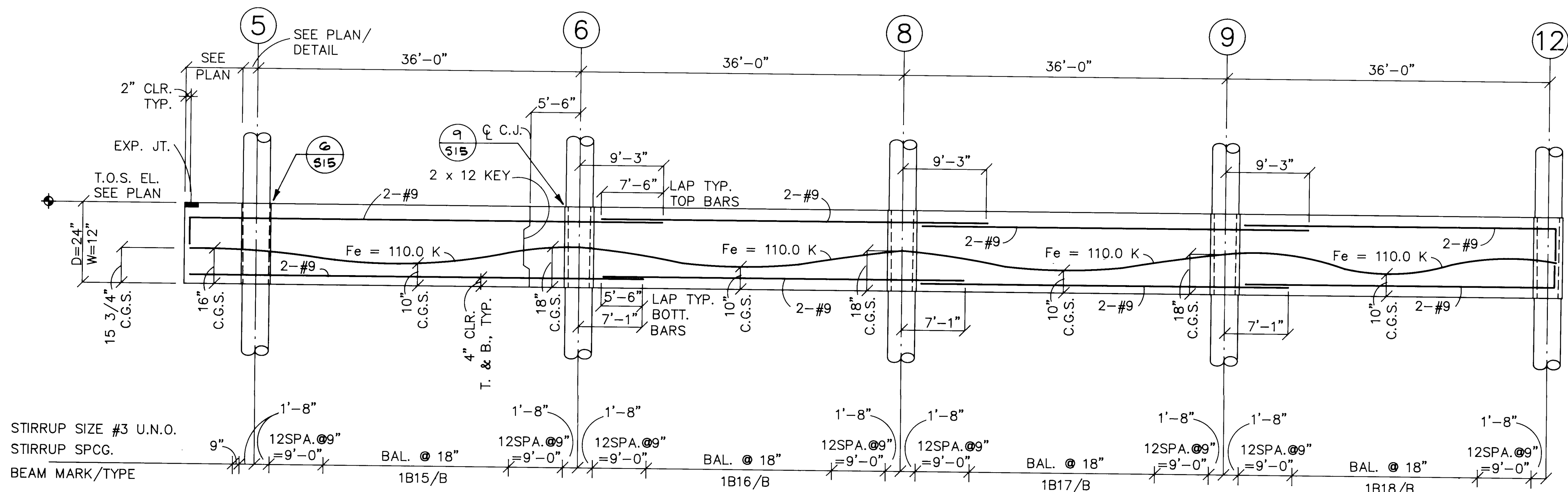
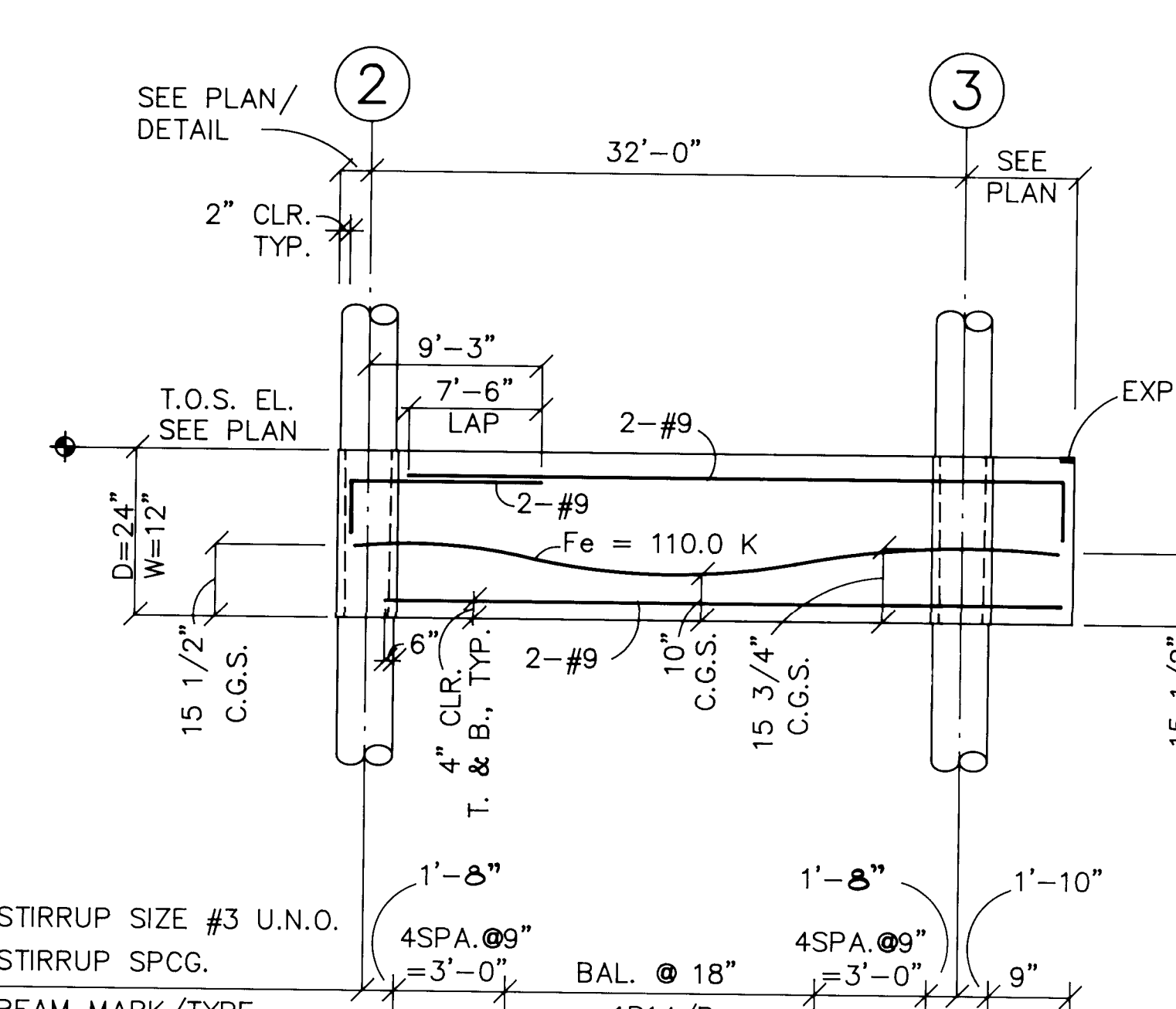
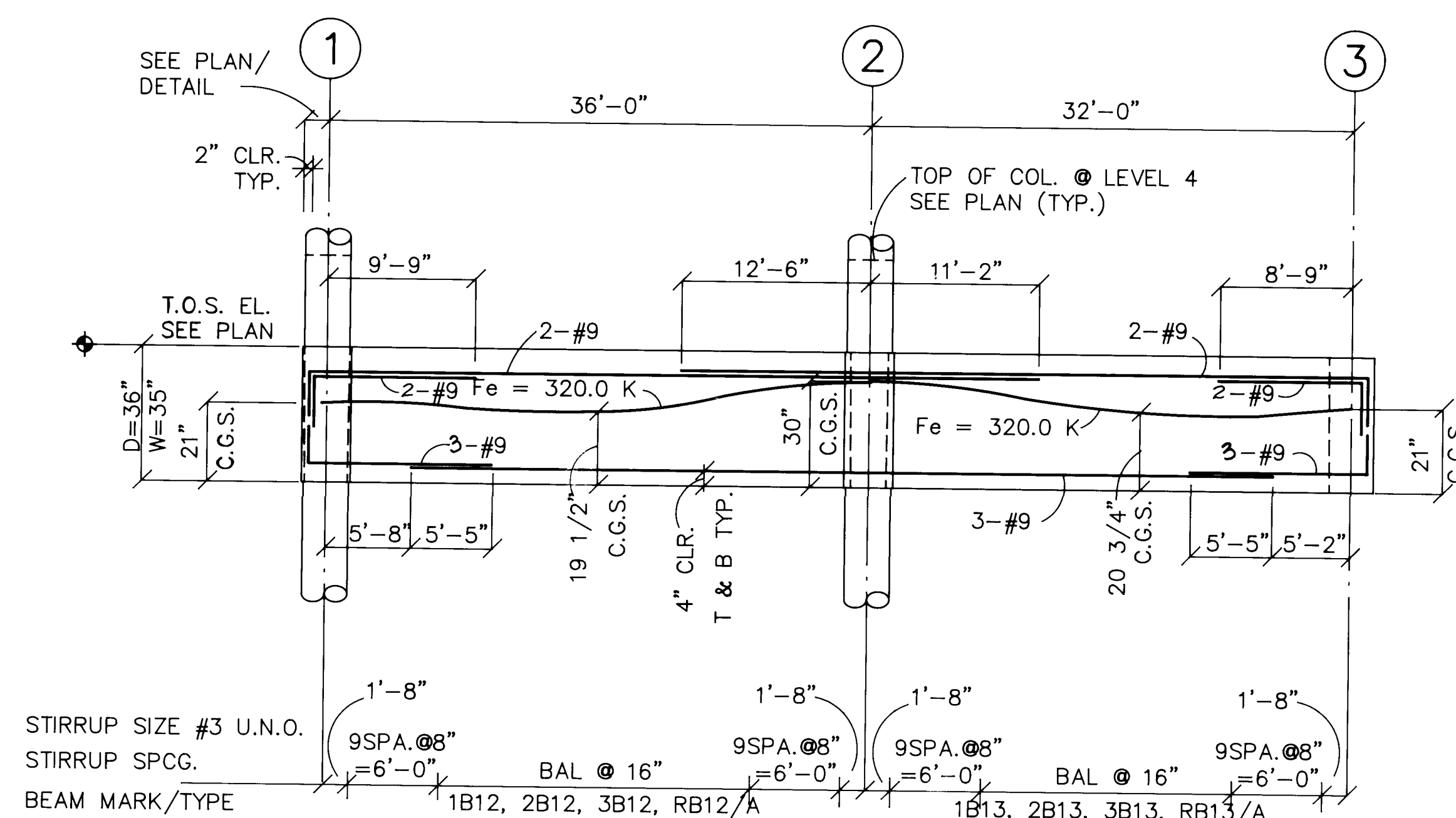
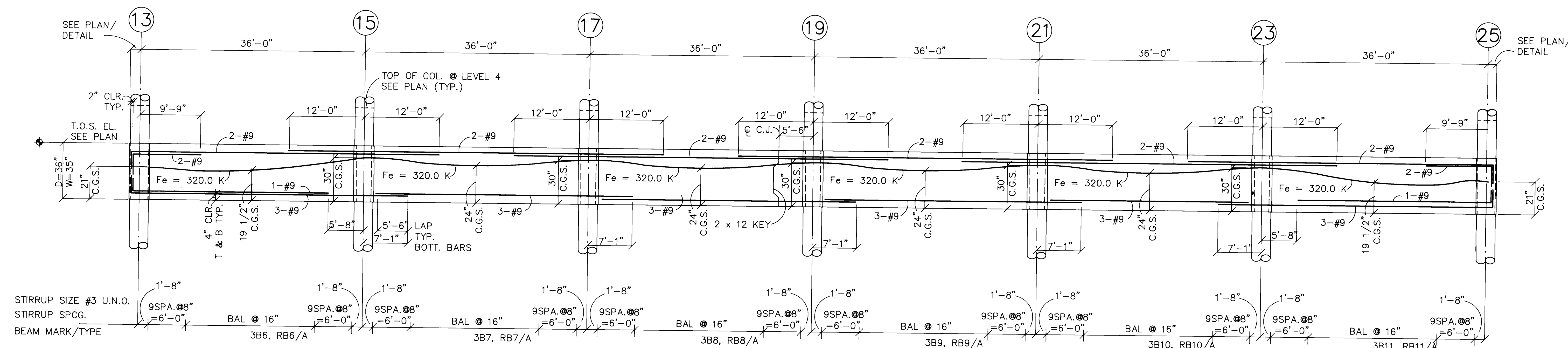
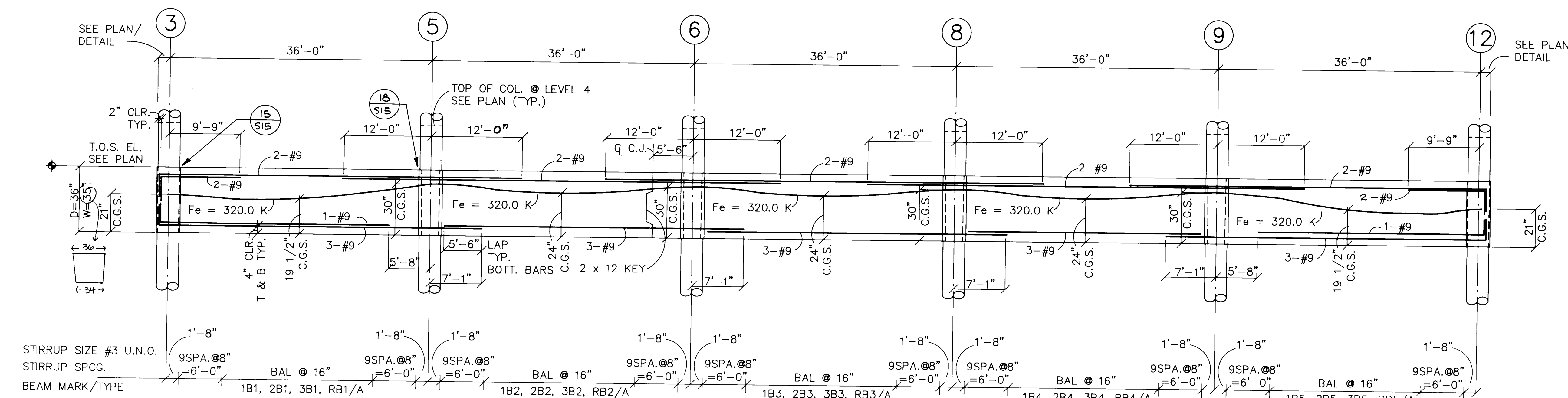
PARKING STRUCTURE
BEAM ELEVATIONS AND
BEAM TYPES

ALBUQUERQUE RENOVATION
AND
CONVENTION
CENTER
EXPANSION

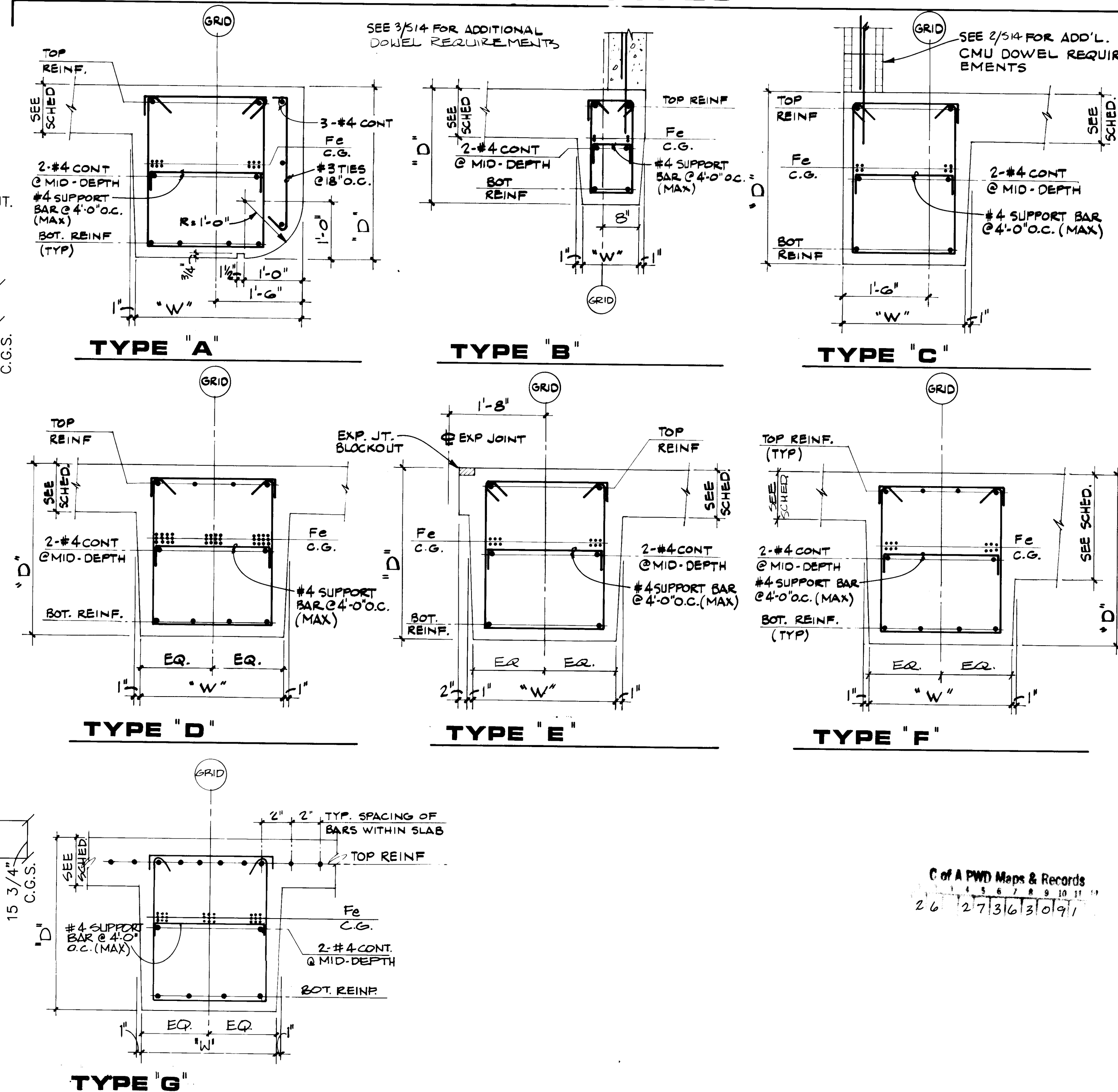
STANDARD SOLUTIONS FOR ALBUQUERQUE RENOVATION AND CONVENTION CENTER EXPANSION

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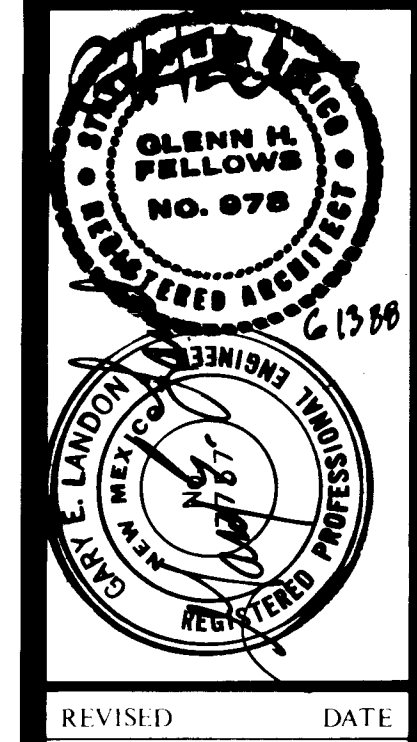
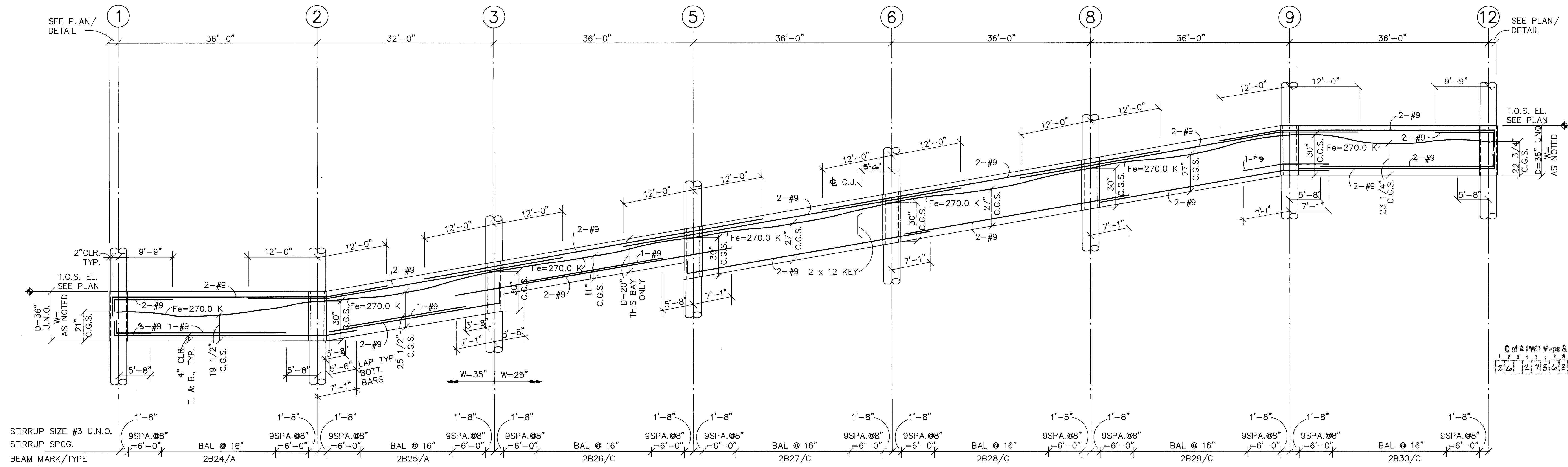
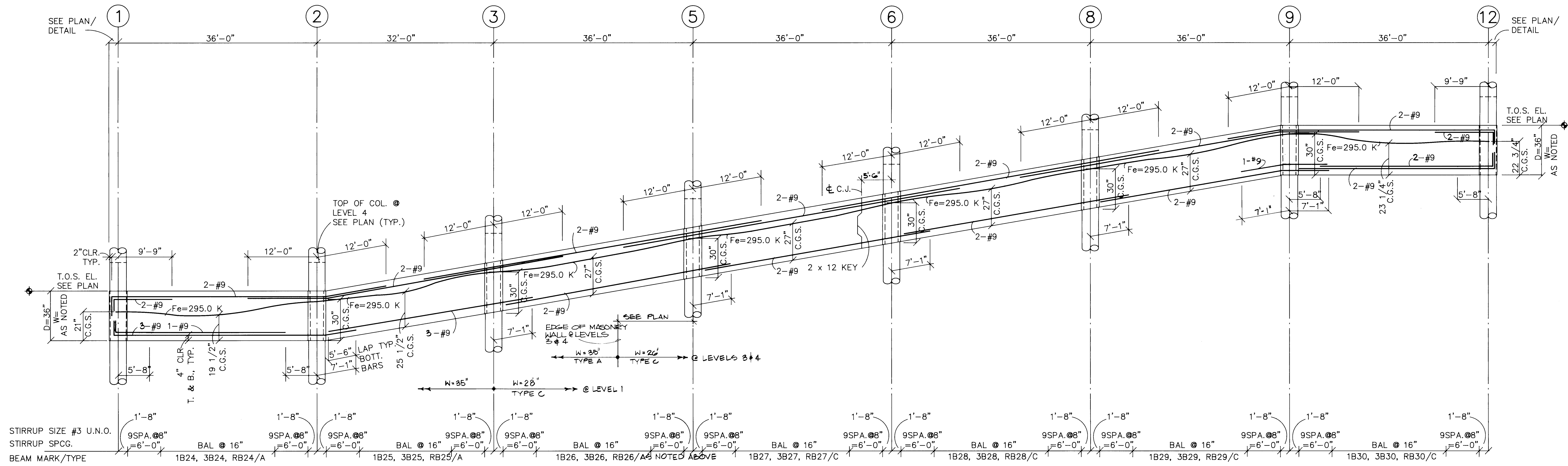
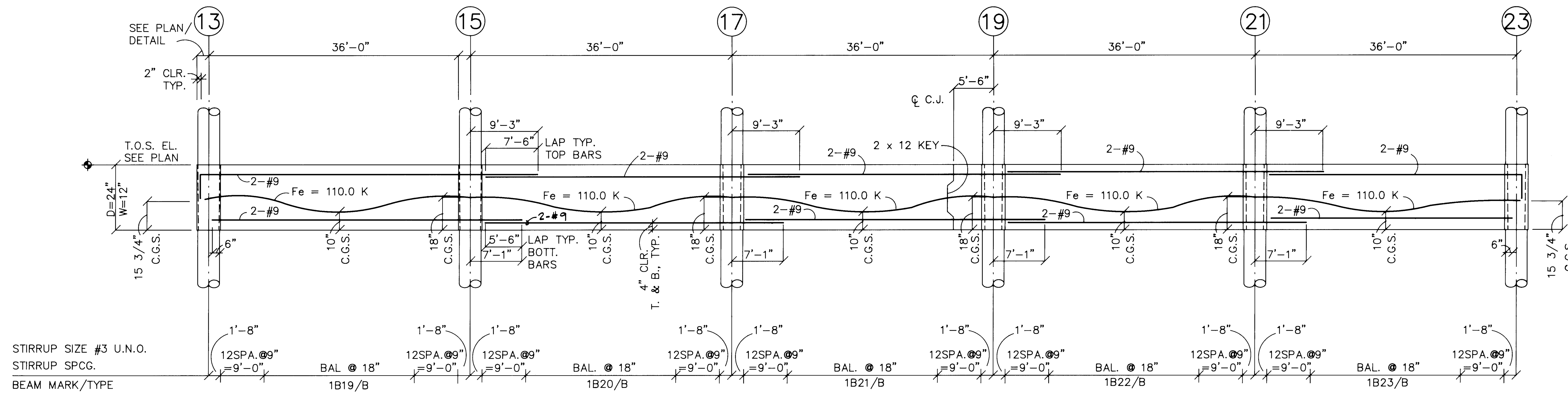
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OF 67



BEAM TYPES



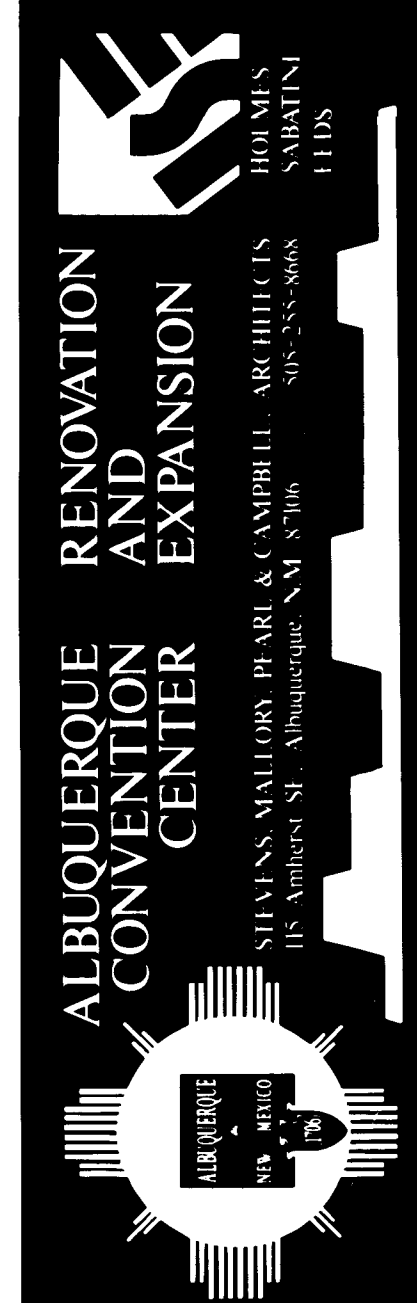
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REVISION DATE

DESIGNED BY: D.H.F. CHECKED BY: D.H.F.

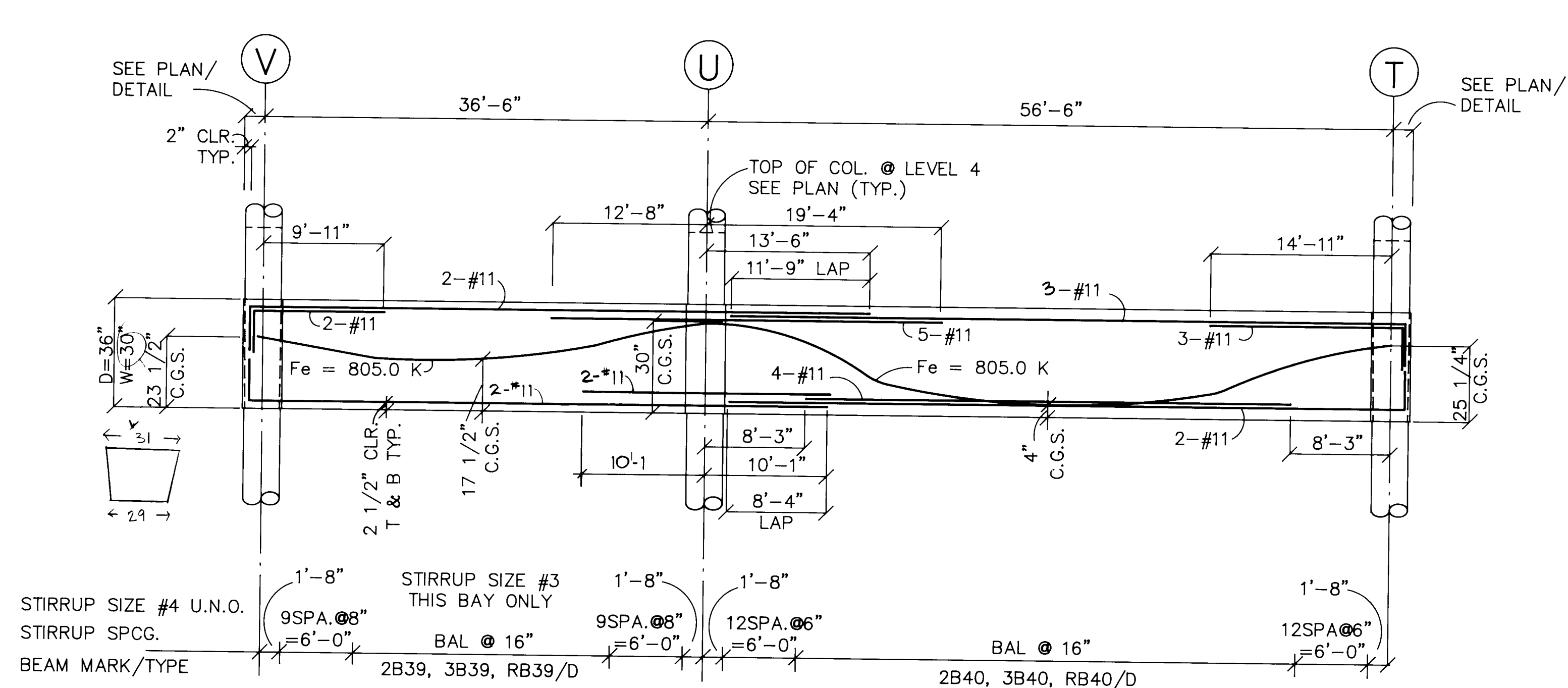
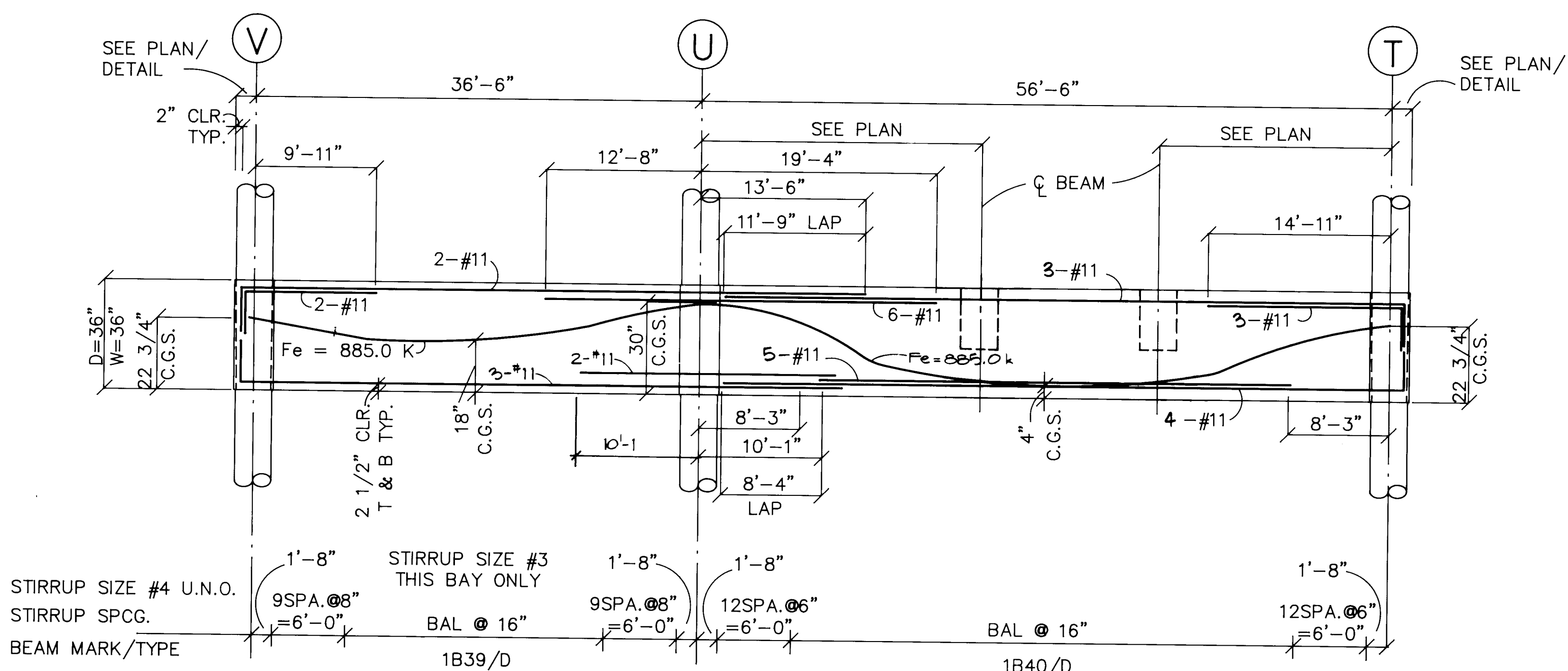
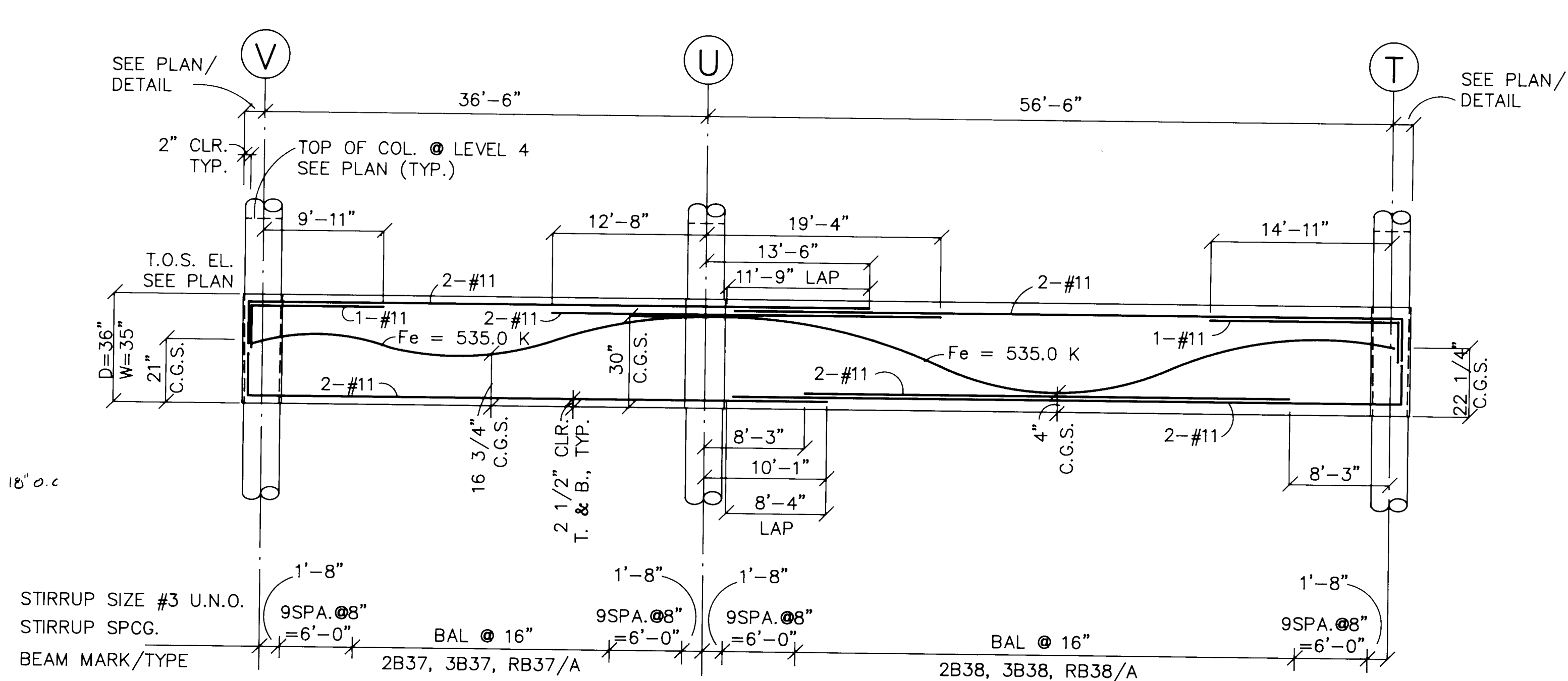
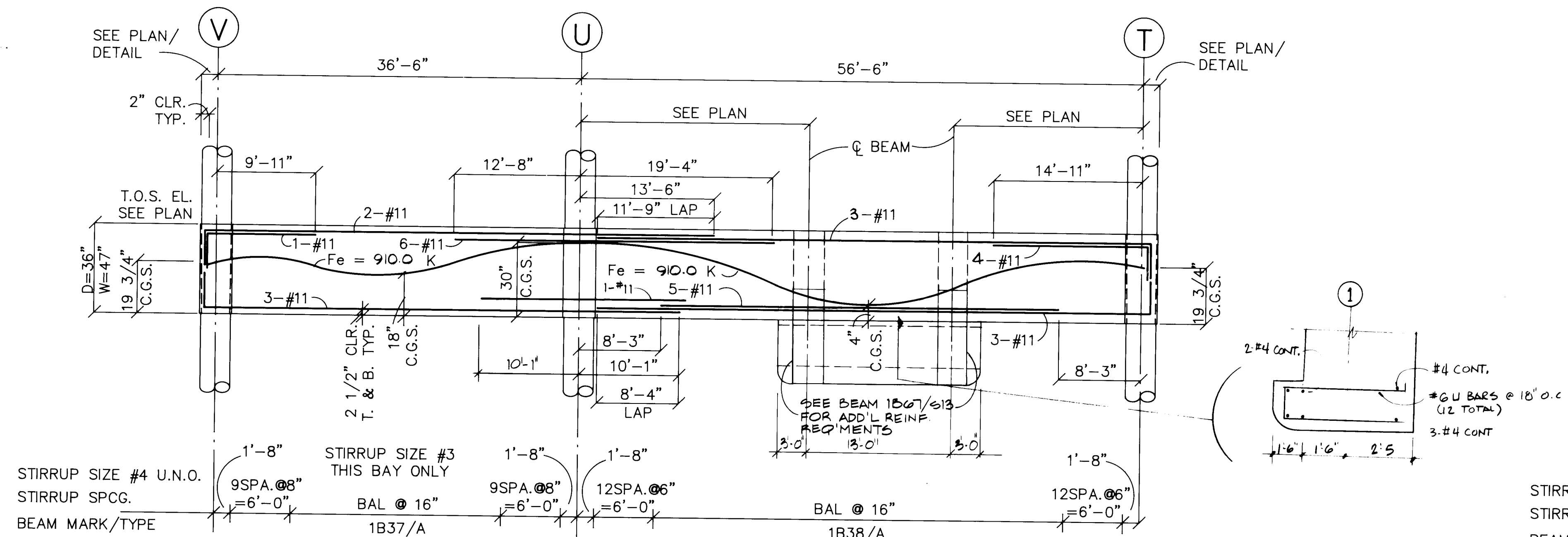
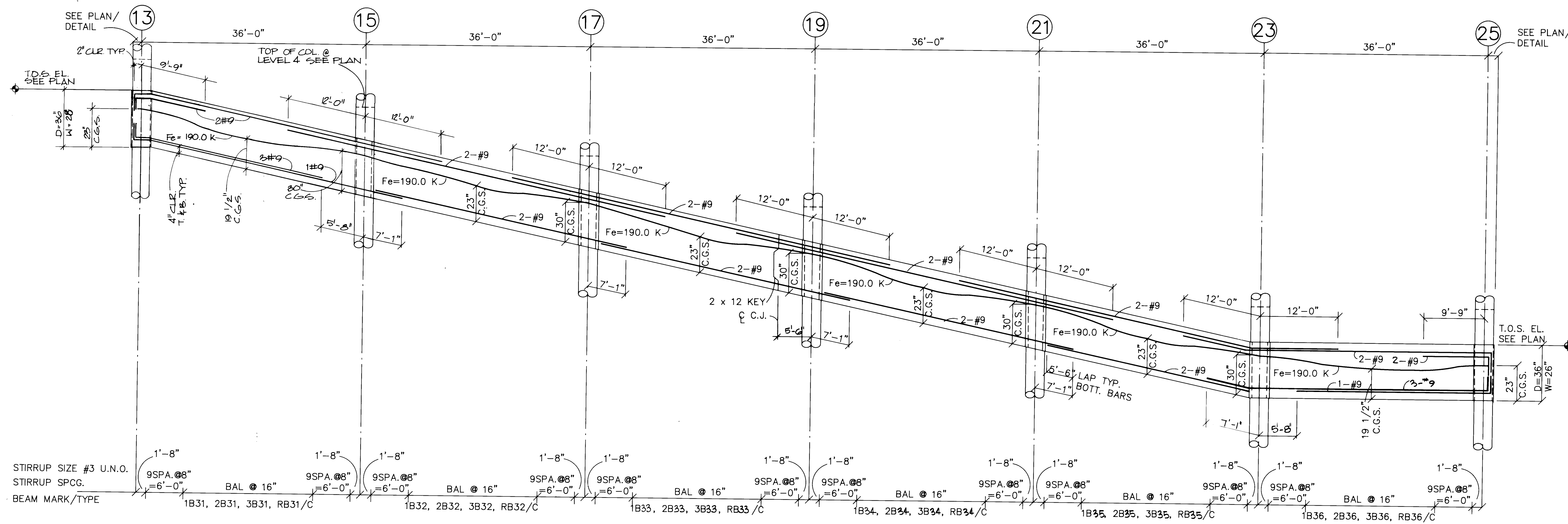
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BEAM ELEVATIONS



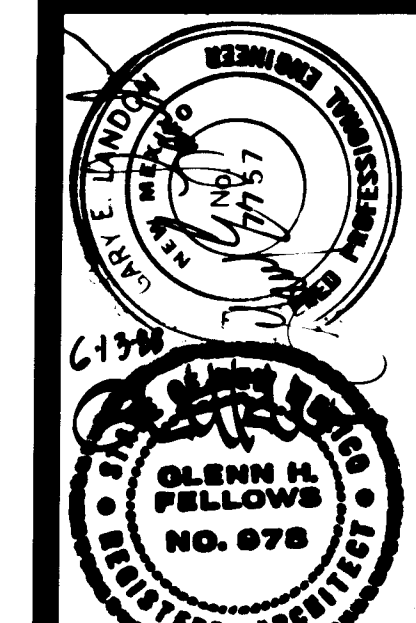
ALBUQUERQUE CONVENTION CENTER
RENOVATION AND EXPANSION

SHEET

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OF 67



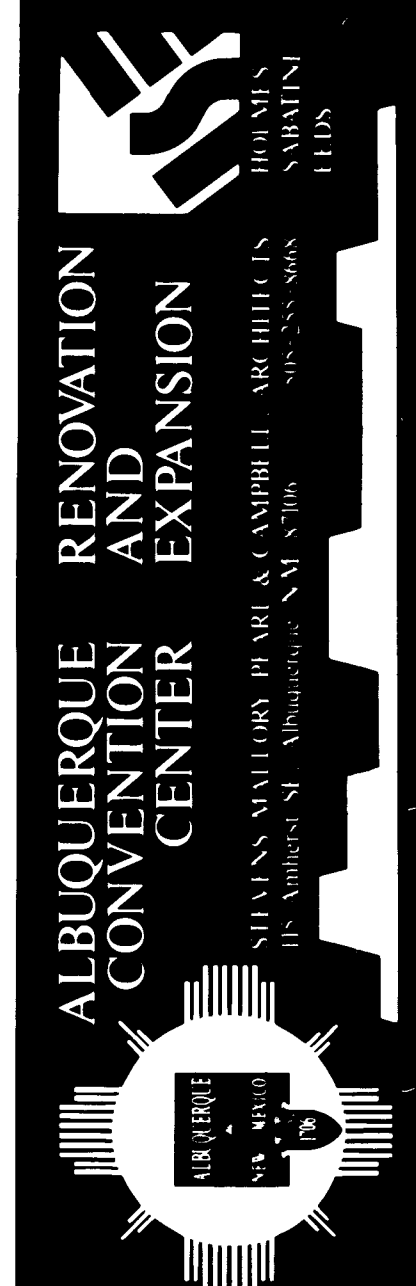
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DRAWING CHECKED
 5/21/90

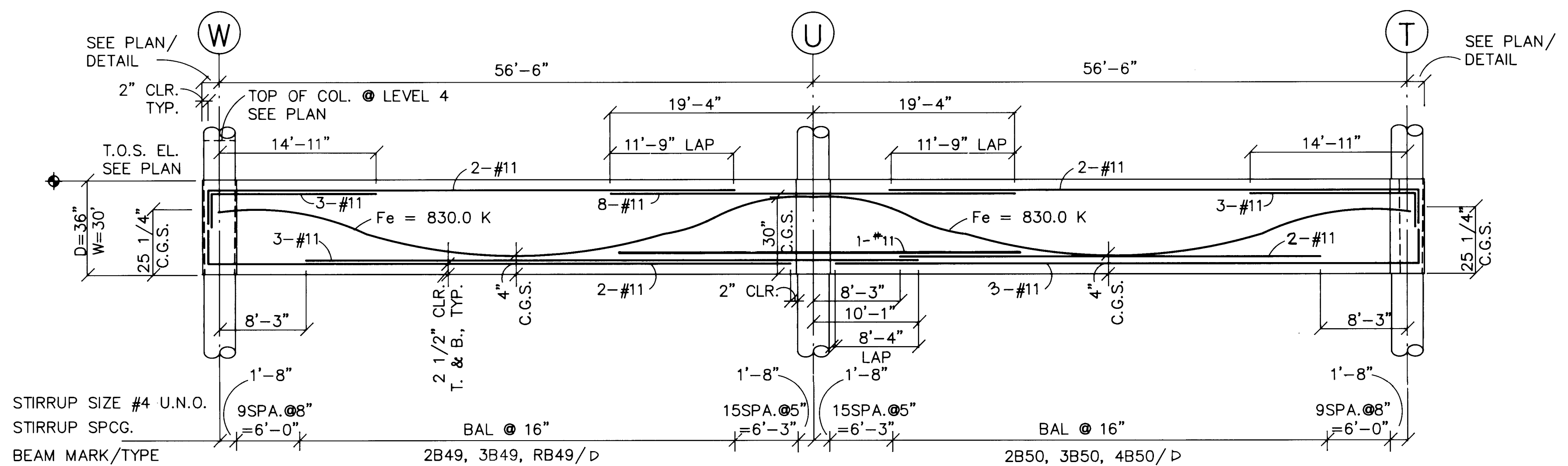
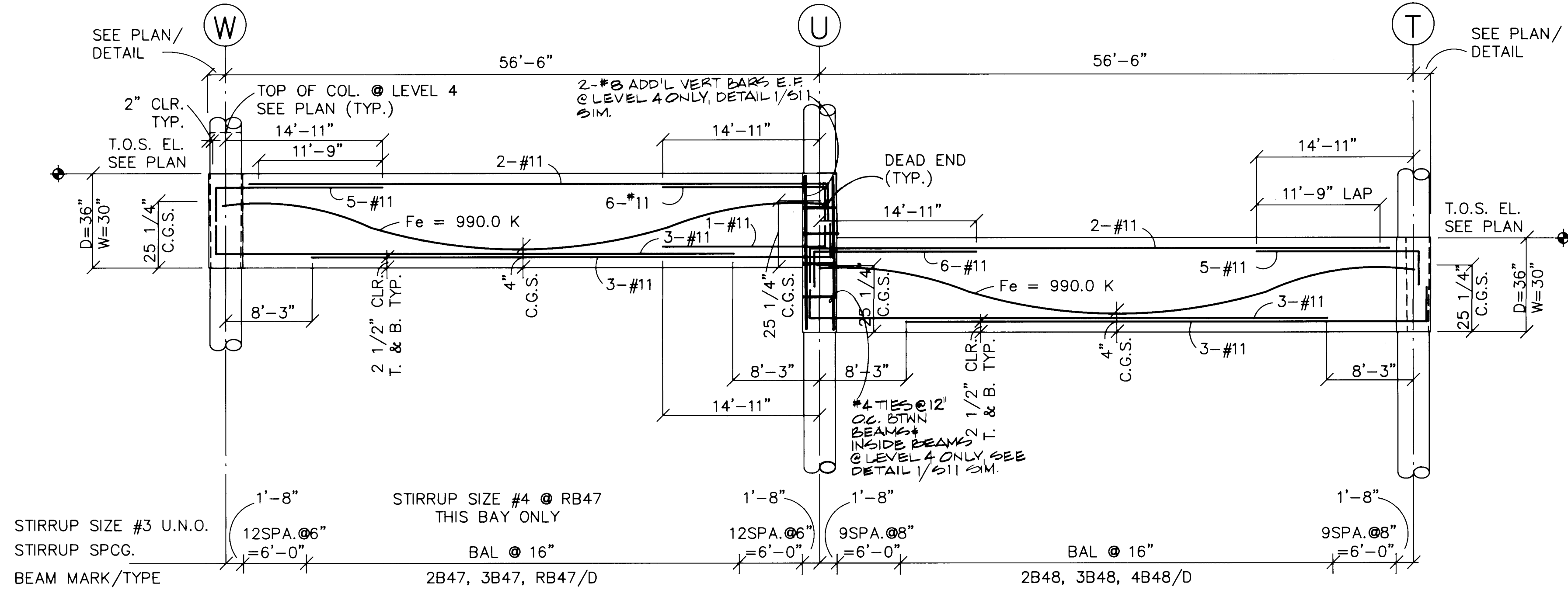
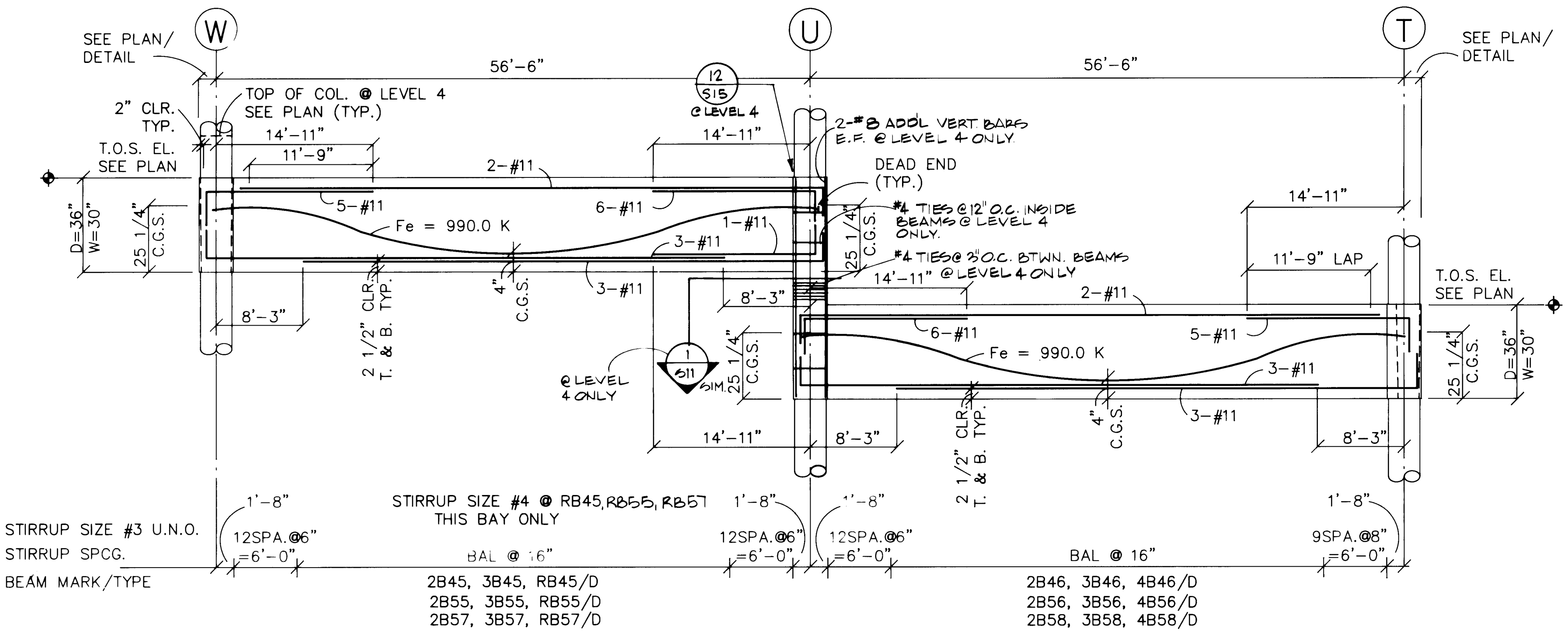
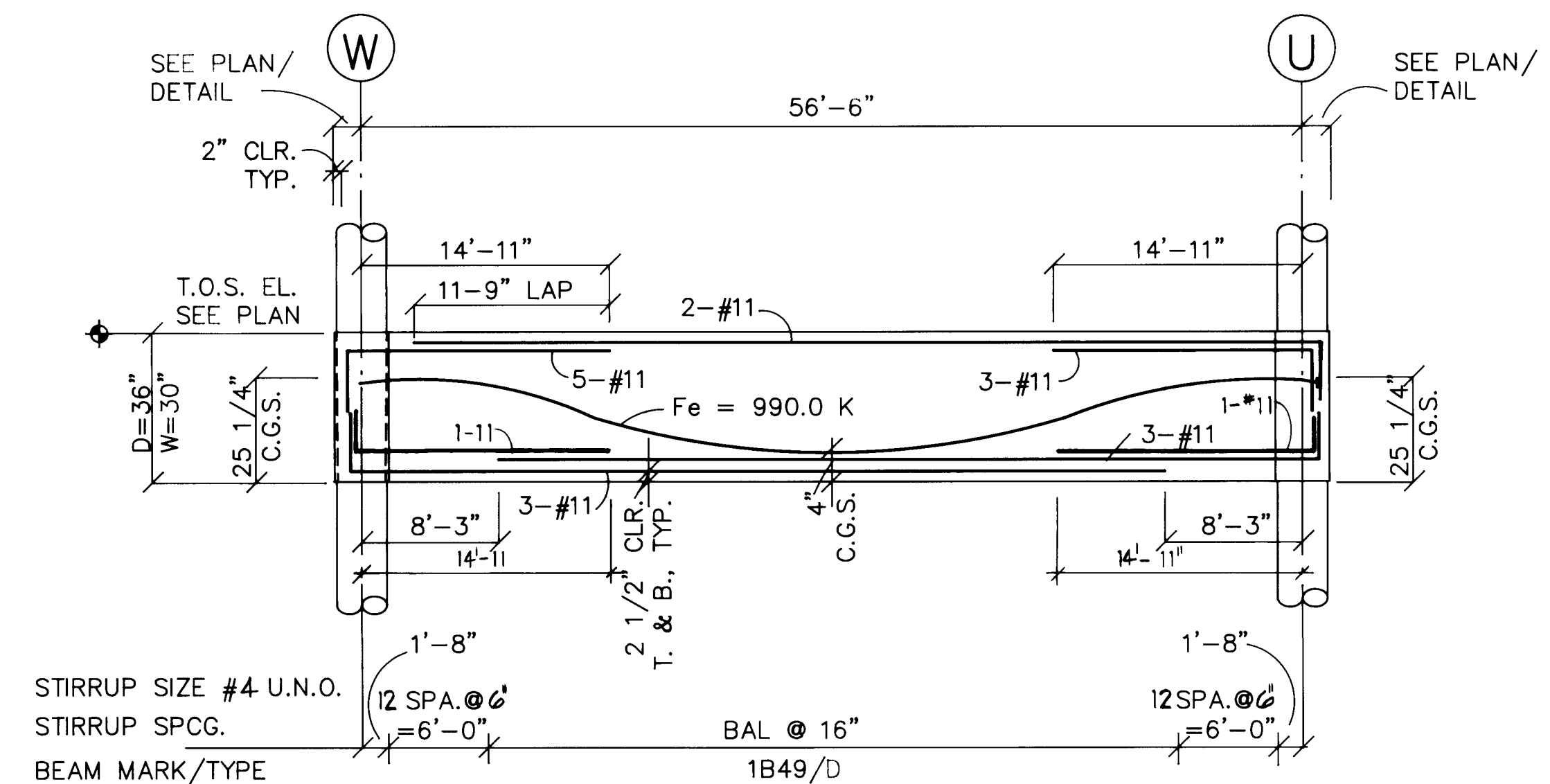
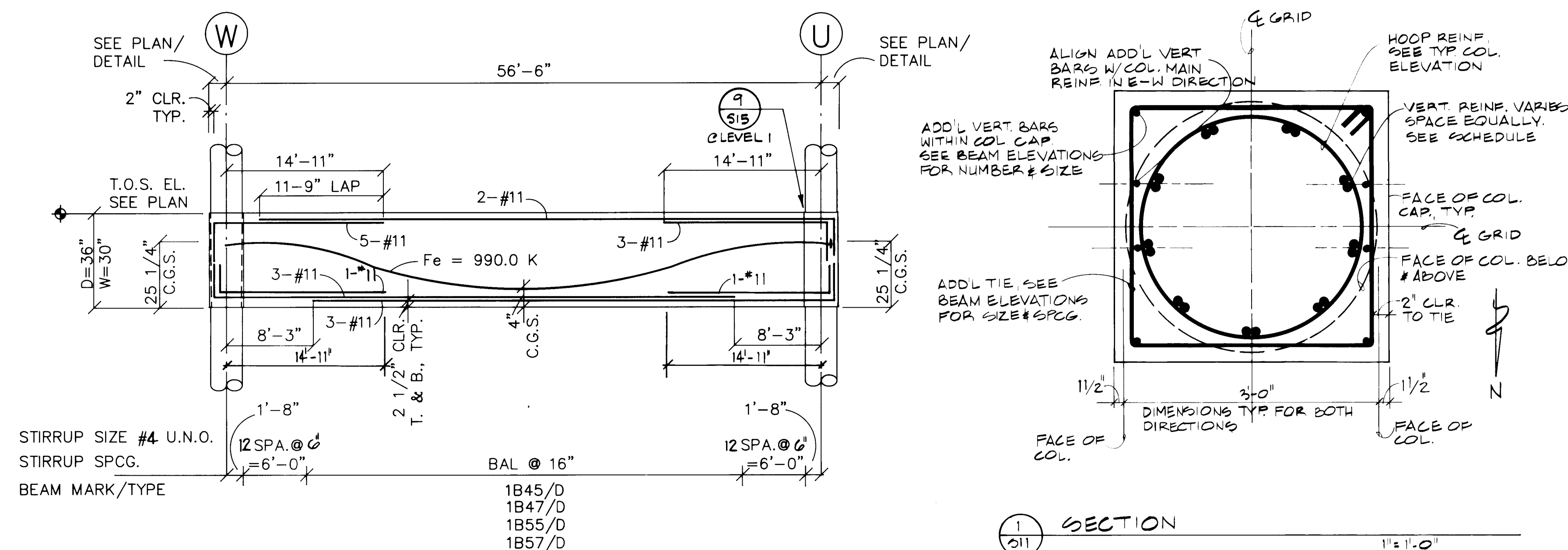
PARKING STRUCTURE BEAM ELEVATIONS



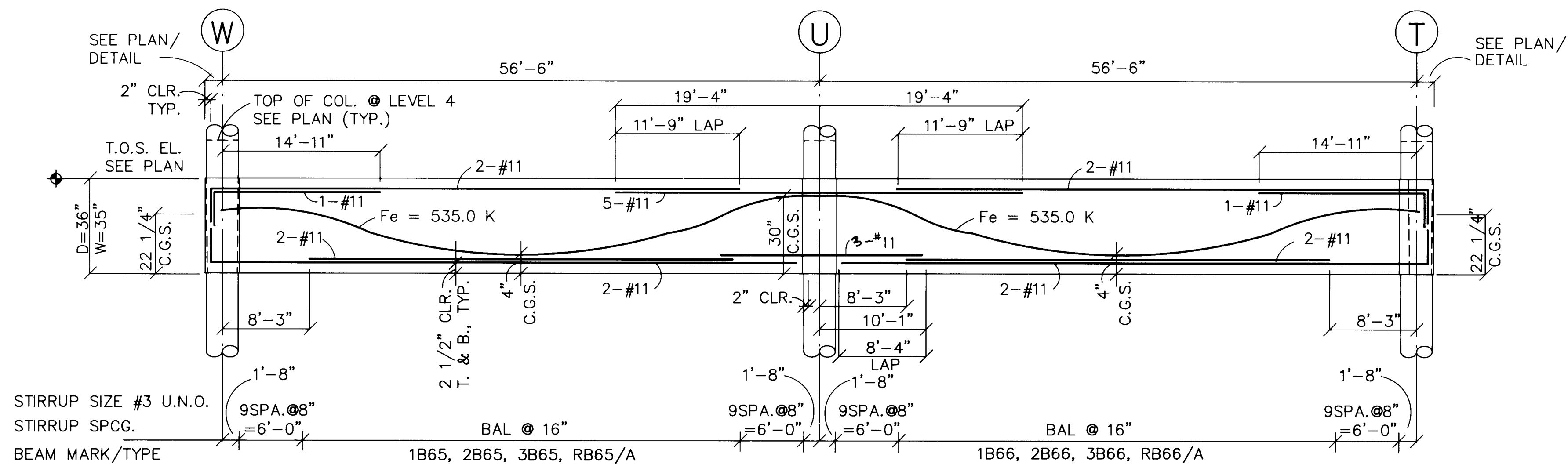
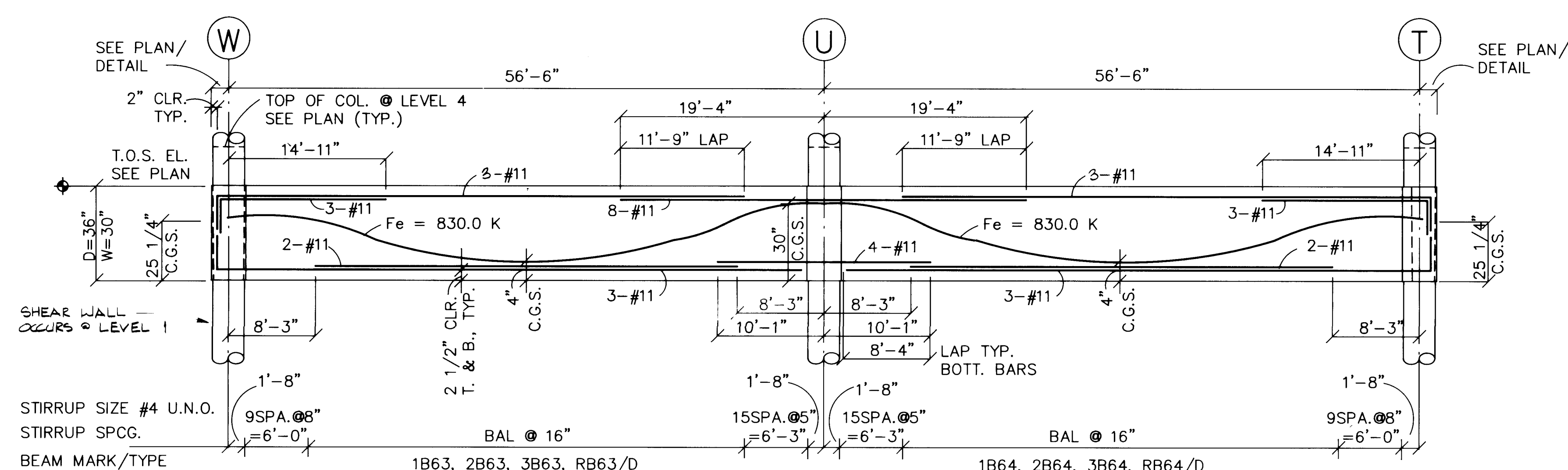
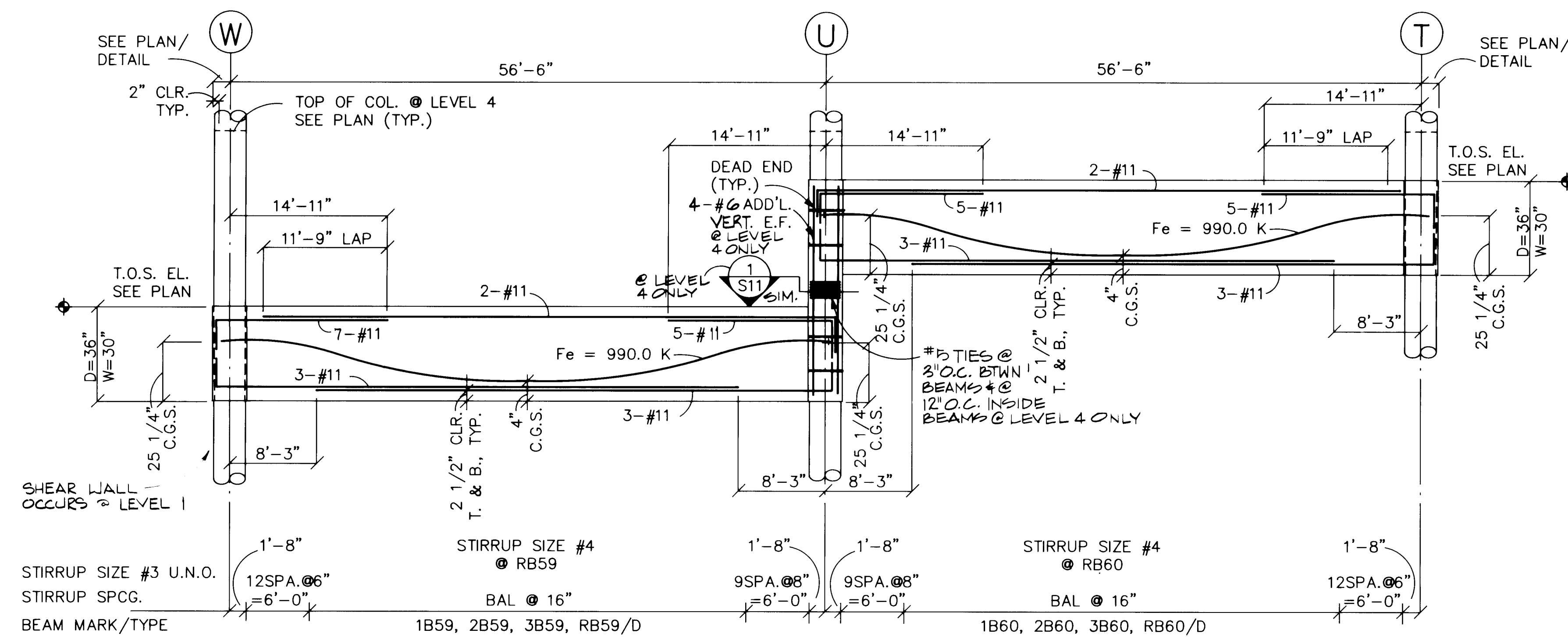
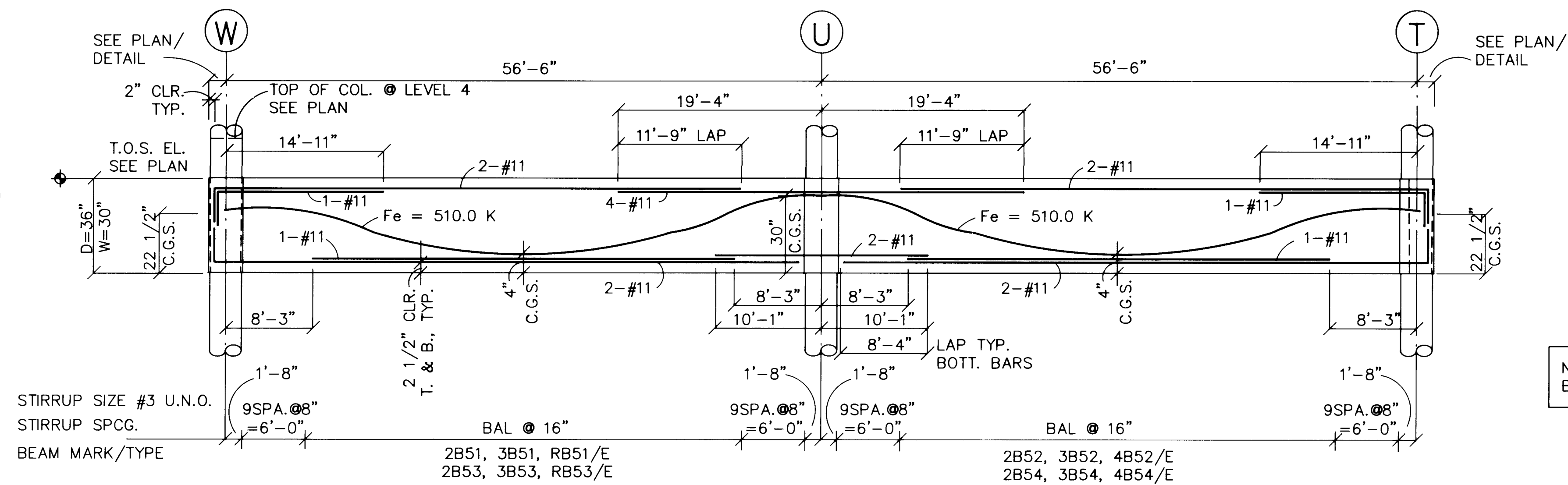
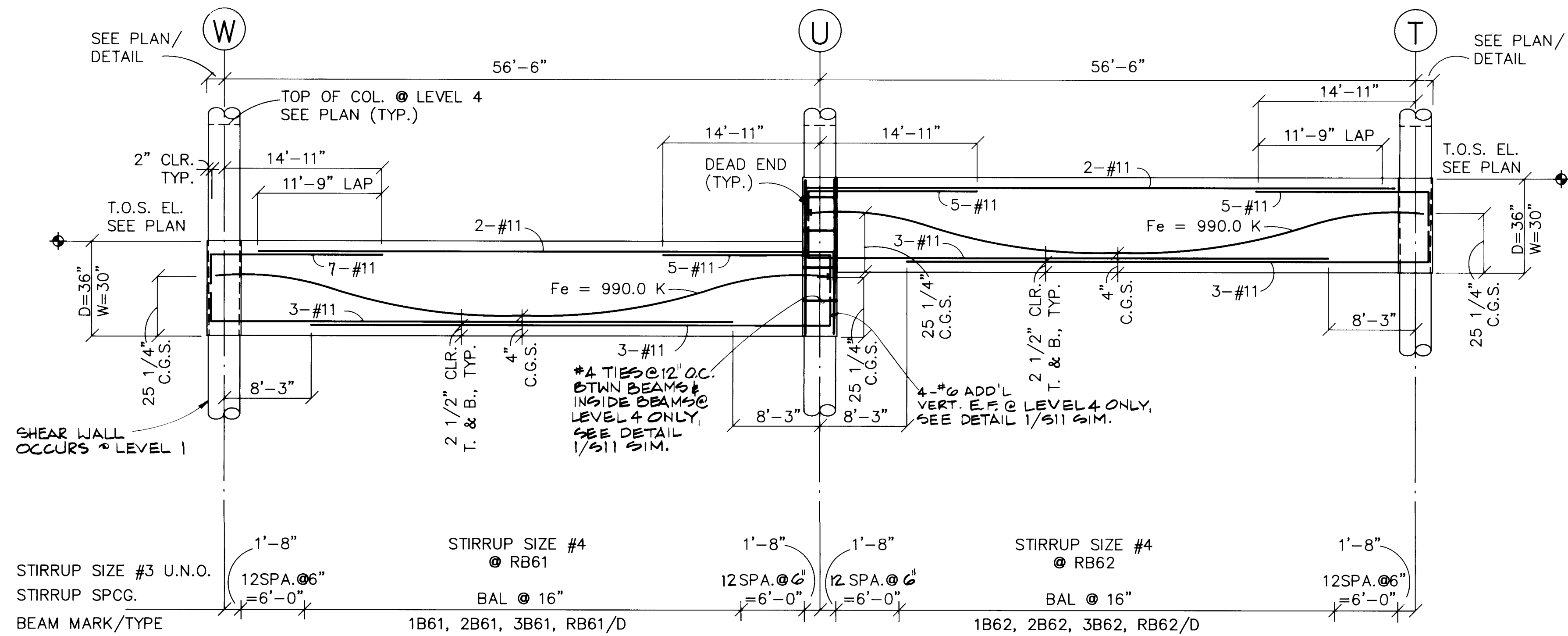
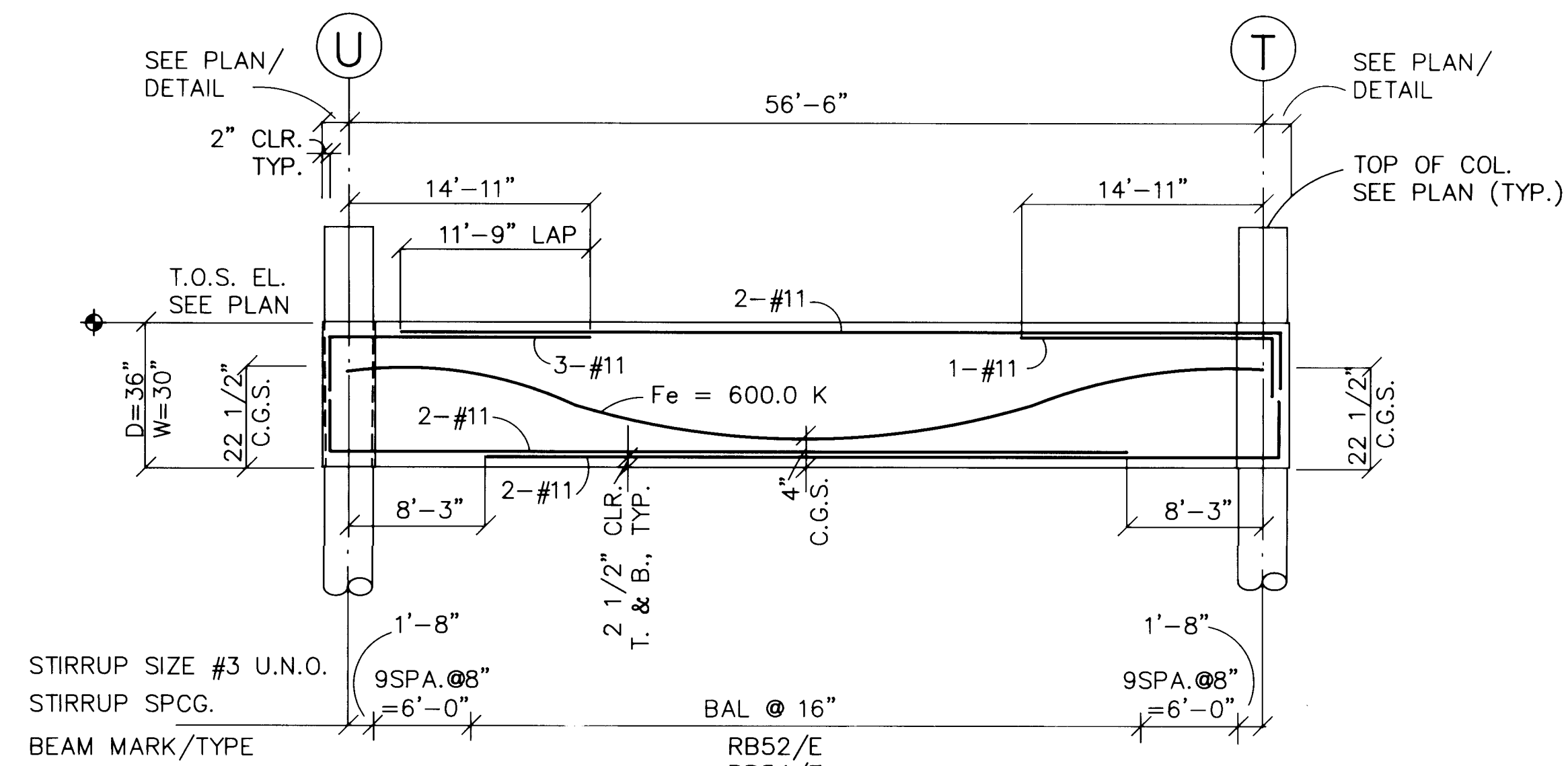
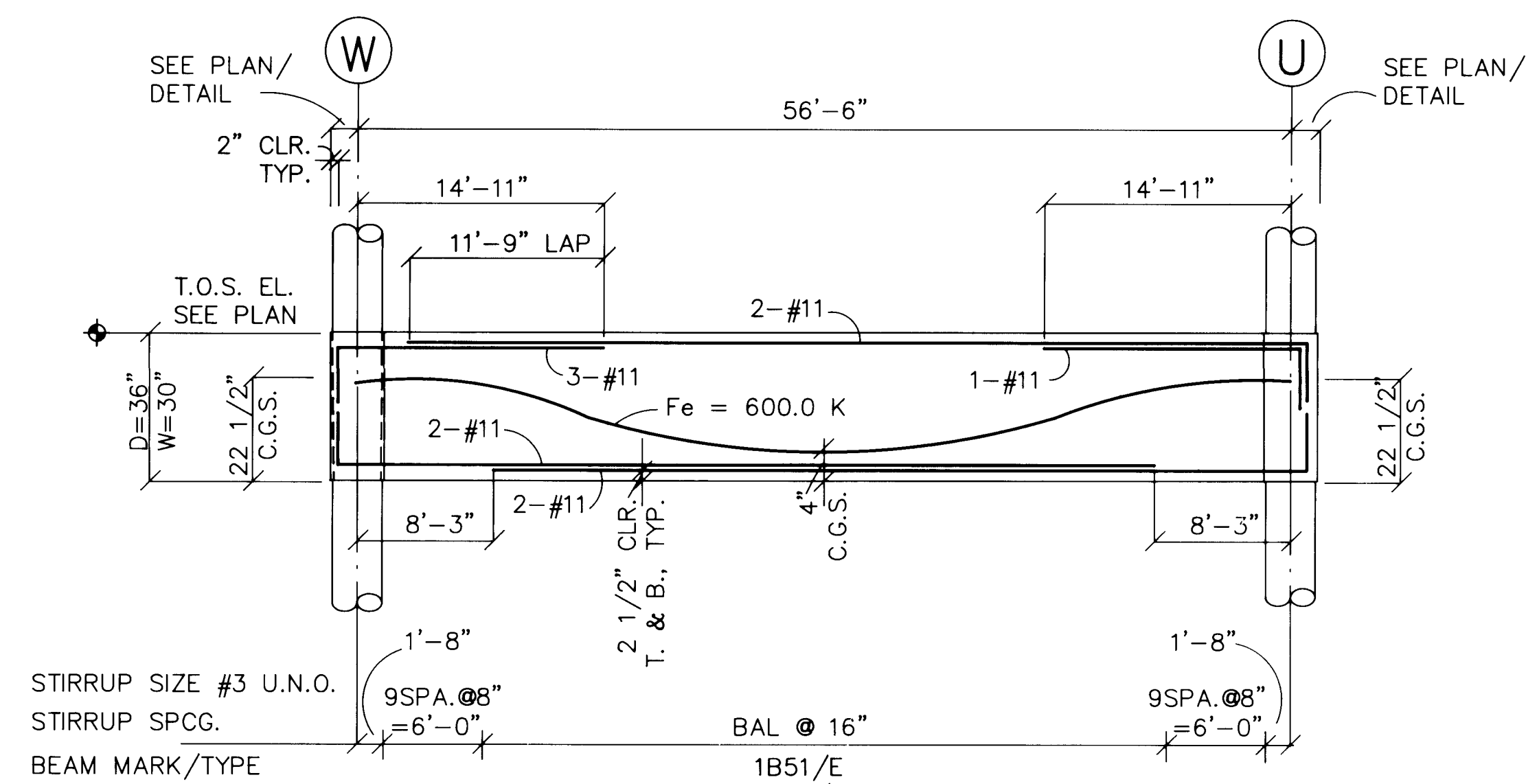
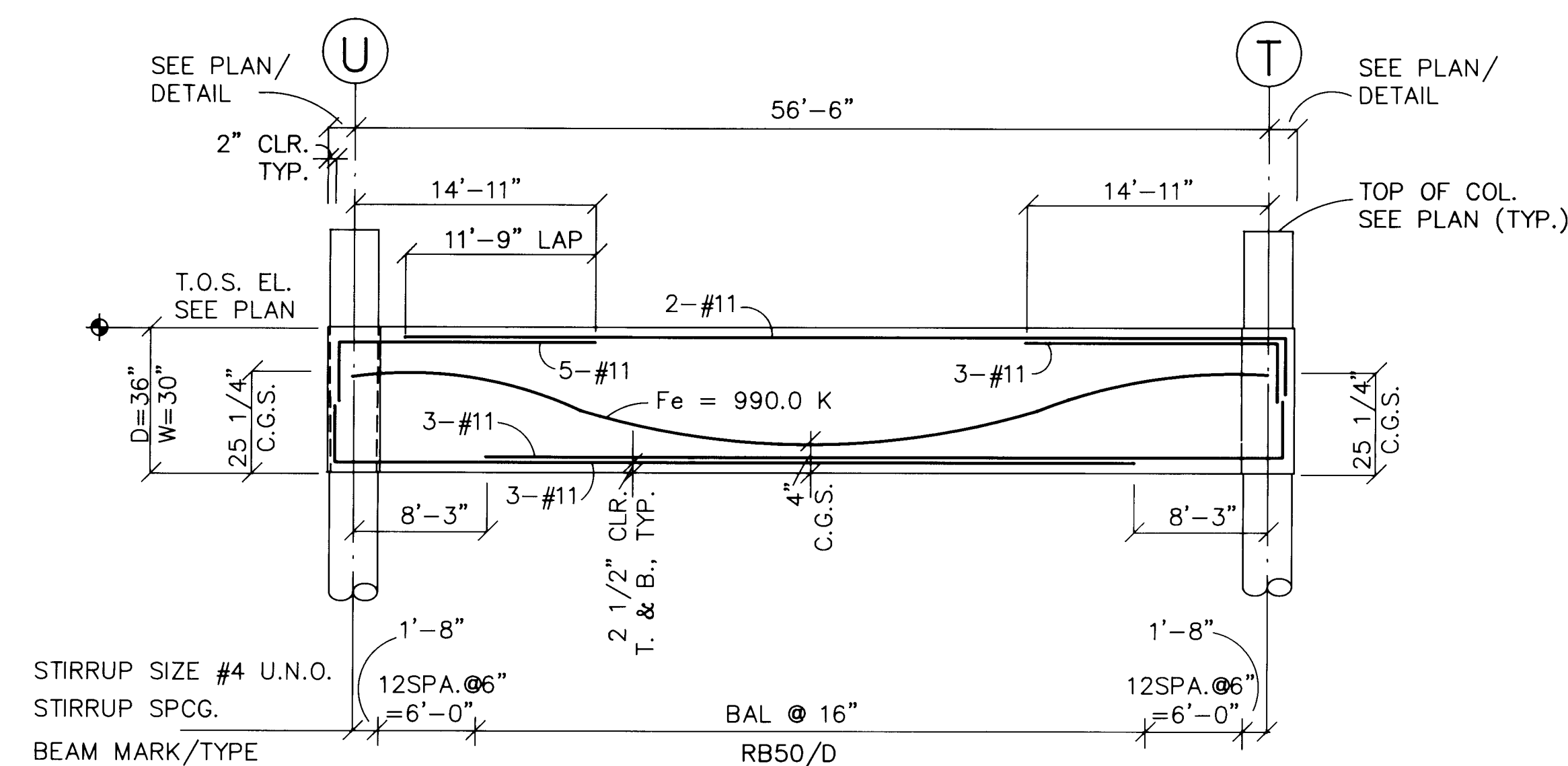
ALBUQUERQUE
 CONVENTION CENTER
 RENOVATION AND EXPANSION

SHEET

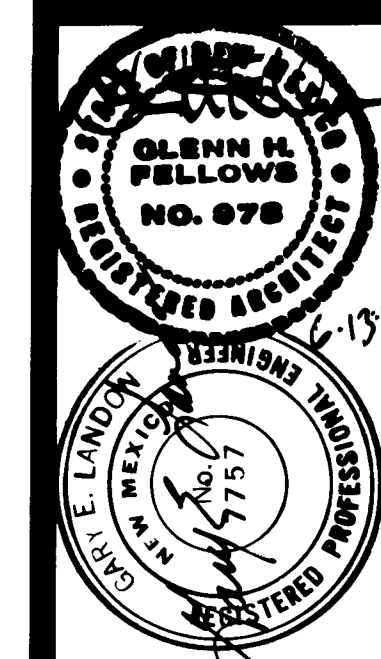
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NOTE: FOR BEAM DIAGRAM NOTES &
BEAM TYPES, SEE SHEET 58.



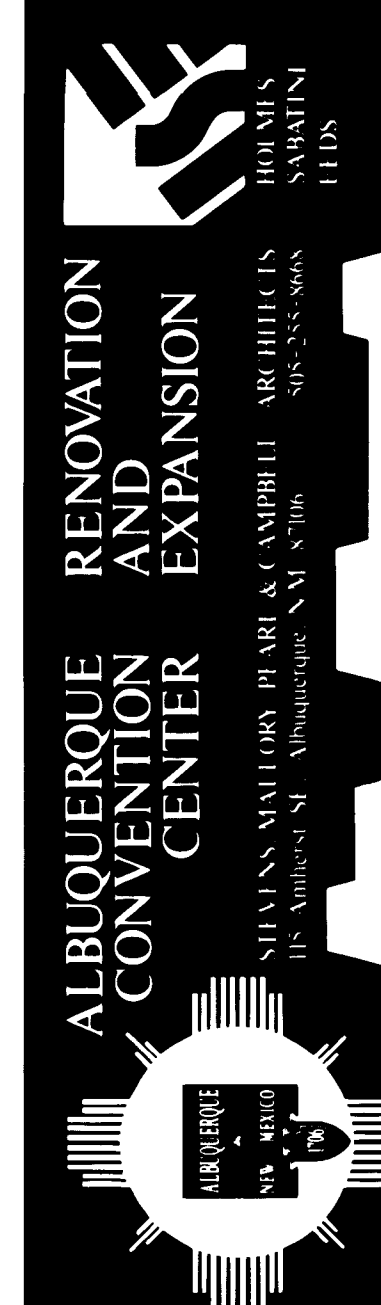
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REVISION DATE
AS-BUILT 7-4-90

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CHECKED BY: JAM

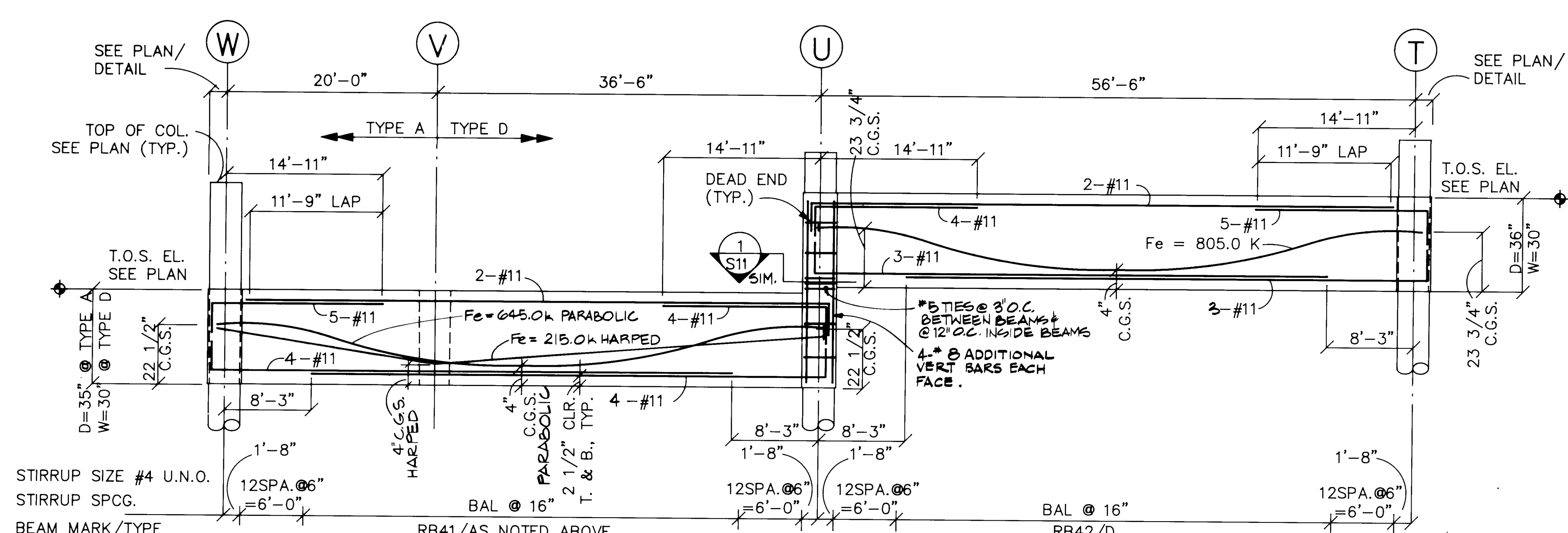
PARKING STRUCTURE
BEAM ELEVATIONS



ALBUQUERQUE RENOVATION
CONVENTION CENTER
EXPANSION

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OF 67



SEE B.M. 1B32/S10 FOR ADDITIONAL REINFORCING REQUIREMENTS

T.O.S. ELEVATION SEE PLAN

EXPANSION JOINT

36'-0"

9'-9"

1'-0"

2#9

4#2

1'-6"

2'-9"

7'-6" LAP

9'-9"

COL. BEYOND TYP.

3'-0"

2'-9"

4#3 EQUALLY SPACED

#4 CONT. TYP.

#3 4 STIRRUP SETS LIT

EQUALLY SPACED

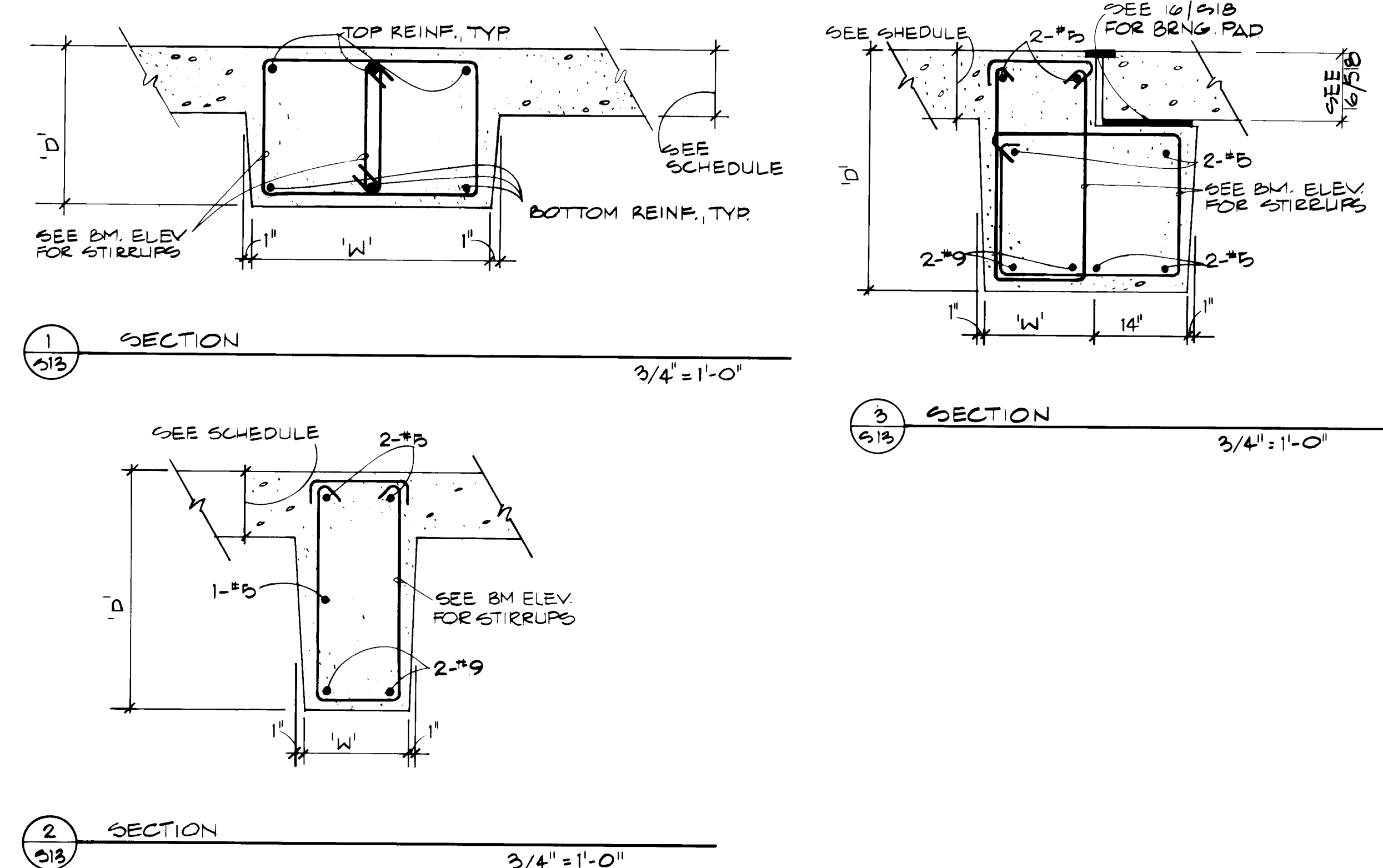
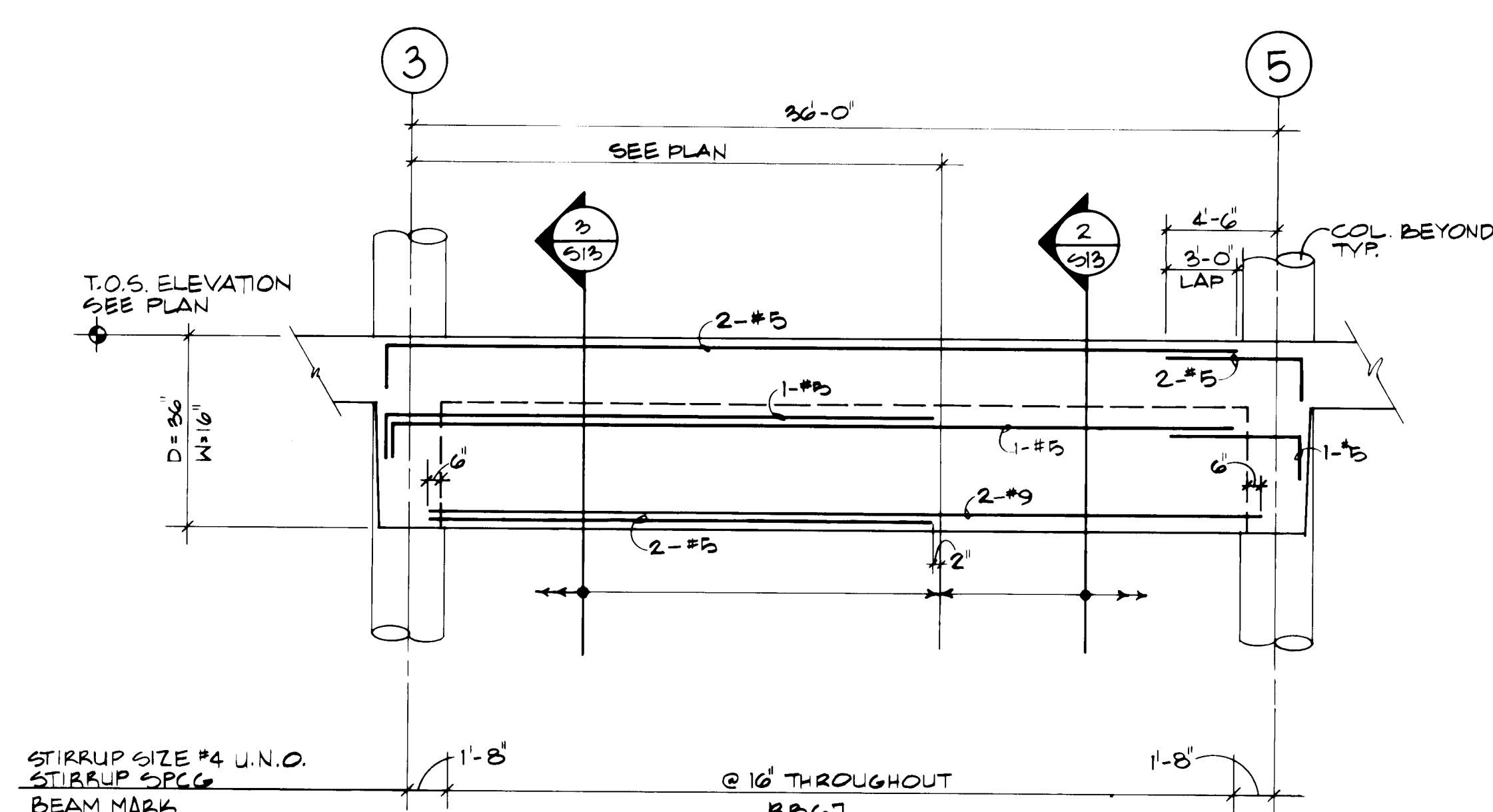
STIRRUP SIZE #3 UNO

STIRRUP SPACE

BEAM MARK

1B67

6' O.C. THROUGHOUT



1. P.T. STEEL QUALITY: ONE SAMPLE OF EACH BEAM TO BE HEAT TREATED AND TESTED BY AN APPROVED LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING DEPARTMENT BEFORE STRESSING OF TENDONS. POST-TENSIONING TENDONS SHALL BE STRESSED TO THE SPECIFIED TENSION, BUT SHALL NOT BE STRESSED TO A TENSION RELIEVED OR LOW RELAXATION, AND SHALL CONFORM TO THE FOLLOWING:

SEVEN WIRE STRAND ASTM DESIGNATION	A416
1/2" DIAMETER TENDON AREA	0.153 SQ. IN.
ULTIMATE STRENGTH	270 KSI
JACKING STRESS	216 KSI 33 KIPS
ANCHORING STRESS	189 KSI
EFFECTIVE DESIGN STRESS (DOES NOT INCLUDE LOSS DUE TO FRICTION)	152 KSI 24.8 KIPS
STRESS RELIEVED	175 KSI 26.8 KIPS
LOW RELAXATION	

2. SHOP DRAWINGS FOR POST-TENSIONING SHALL SHOW THE FOLLOWING

- A. TENDON LAYOUTS & DIMENSIONS LOCATING TENDONS IN HORIZONTAL PLANE AT ALL POINTS, HORIZONTAL CURVATURE OF THE TENDONS AT BAY DIVIDES & ANCHORAGES SHALL BE DETAILD. ALL OPENINGS IN SLABS SHALL BE SHOWN ON THE SHOP DRAWINGS.
- B. TENDON PROFILES SHOWING CHAIR HEIGHTS, LOCATION OF ANY REINFORCEMENT STEEL, IF REQUIRED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ALIGNMENT OF THE TENDONS BEFORE & AFTER THE CONCRETE PLACEMENT. SHOP DRAWINGS SHALL CLEARLY SHOW LOCATION OF EACH TENDON & METHOD OF SUPPORTING TENDONS.
- C. DETAIL OF REINFORCEMENT AROUND STRESSING POCKETS AND CLOSURES.
- D. PROVIDE CALCULATIONS OF FRICTION LOSSES TO DETERMINE THAT DESIGN FORCES ARE OBTAINABLE.
- E. REQUIRED ELONGATION OF EACH TENDON AT EACH JACKING POINT SHALL BE REQUIRED.
- F. COMPLETE SLAB AND BEAM CROSS-SECTION DETAILS AT SUFFICIENT SCALE TO CLEARLY SHOW LOCATION OF CHAIRS, SUPPORT STEEL AND SLAB MAIN REINFORCEMENT.

3. CONTRACTOR SUBMISSIONS: CONTRACTOR SHALL SUBMIT FRICITION CALCULATIONS AND SHOP DRAWINGS OF TENDON LAYOUT, DEAD-END AND STRESSING-AND ANCHORAGE DETAILS FOR THE ENGINEER'S APPROVAL. A RECORD OF ALL JACKING FORCES AND FIELD-MEASURED ELONGATIONS SHALL BE SUBMITTED TO THE ENGINEER.

4. TWISTING: OR ENTWINING OF INDIVIDUAL WIRES OR STRANDS WITHIN A

BUNDLE OR A BEAM SHALL NOT BE PERMITTED.

5. **ELONGATION:** FIELD READINGS OF ELONGATIONS AND/OR STRESSING FORCES SHALL NOT VARY BY MORE THAN PLUS OR MINUS 5% FROM CALCULATED REQUIRED VALUES.
6. **TENDON ENDS:** DO NOT BURN OFF TENDON ENDS UNTIL THE ENTIRE SLAB HAS BEEN SATISFACTORILY STRESSED.
7. **PROFILES:** SHALL CONFORM TO CONTROLLING POINTS SHOWN ON THE DRAWINGS AND SHALL BE IN AN APPROXIMATE PARABOLIC SHAPE THROUGHOUT THE SPAN UNLESS OTHERWISE SPECIFIED. LOW POINTS ARE AT MIDSPAN UNLESS NOTED OTHERWISE. HARPED TENDONS SHALL BE STRAIGHT BETWEEN CONTROL POINTS.
8. **CHLORIDES:** GROUT OR CONCRETE CONTAINING CHLORIDES SHALL NOT BE USED.
9. **BLOCKOUTS:** ALL POCKETS OR BLOCKOUTS REQUIRED FOR ANCHORAGE SHALL BE ADEQUATELY REINFORCED SO AS NOT TO DECREASE THE STRENGTH OF THE STRUCTURE. ALL POCKETS SHOULD BE WATERPROOFED SO AS TO ELIMINATE WATER LEAKAGE THROUGH OR INTO THE POCKET.
10. **ANCHOR BARS:** PLACE (2) #4 BARS BEHIND ALL ANCHORAGES. #4 TO BE CONTINUOUS, UNLESS NOTED OTHERWISE. SPLICES SHALL BE 24 INCHES MINIMUM AND STAGGED.
11. **MINIMUM CHAIRING:** TENDONS SHALL BE SECURED TO A SUFFICIENT NUMBER OF POSITIONING DEVICES TO ASSURE CORRECT LOCATION DURING AND AFTER THE PLACING OF CONCRETE, AND SHALL BE SUPPORTED AT A MAXIMUM OF 4 FEET 0 INCHES ON CENTER.
12. **INSERTS:** ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE CONCRETE. ALL SLEEVES AND POWER-DRIVEN FASTENERS WILL BE PERMITTED ONLY WHEN IT CAN BE SHOWN THAT THE INSERTS WILL NOT SPALL THE CONCRETE AND ARE LOCATED SO AS TO AVOID THE TENDONS AND ANCHORAGES.
13. **ANCHOR PAINTING:** THE STRESSING END ANCHORS AND WEDGES SHALL BE SPWALINTED WITH RUST-OLEUM OR SIMILAR PRODUCT BEFORE THE RECESS IS GROUTED.
14. **CONCRETE STRENGTH AT STRESSING:** AT TRANSFER OF PRESTRESS, CONCRETE STRENGTH SHALL BE 3000 PSI MINIMUM.
15. **POST-TENSION TENDONS:** SHALL BE COATED WITH A RUST PREVENTIVE MEDIUM AND WRAPPED WITH PLASTIC SHEET.
16. **CALIBRATION:** THE RAM AND ATTENDANT GAUGE TO BE USED SHALL HAVE BEEN CALIBRATED WITHIN (30) DAYS OF THEIR USE.
17. **STRESSING SEQUENCE:** STRESS SLAB TENDONS PERPENDICULAR TO SLAB SPAN FIRST, THEN TENDONS PERPENDICULAR TO SUPPORTING BEAMS, AND THEN STRESS BEAMS.
18. **STRESS NORTH/SOUTH BEAMS FIRST THEN STRESS EAST/WEST BEAMS UNLESS NOTED OTHERWISE.**

18. PRESTRESS COVER: ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR", ARE TO CENTER OF STEEL. MINIMUM REBAR AND TENDON COVER IN POST-TENSIONED BEAMS AND SLABS SHALL BE AS FOLLOWS:

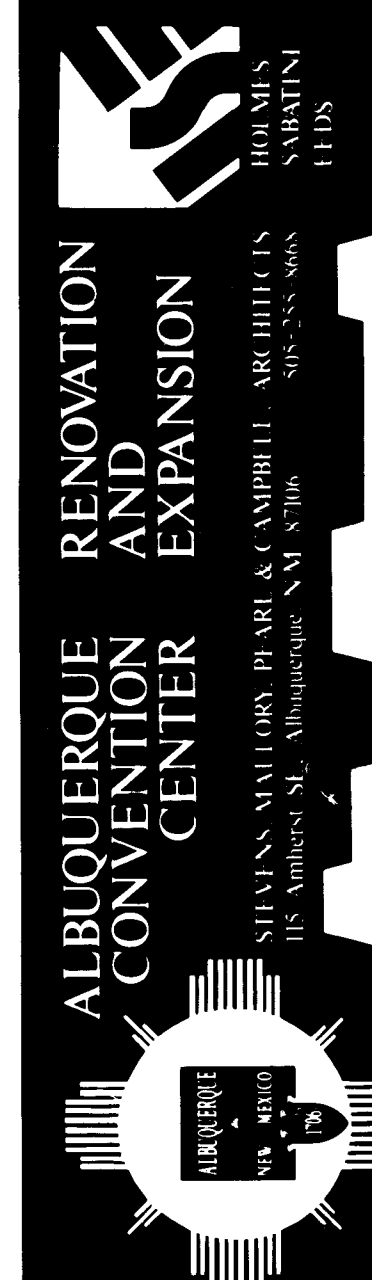
		MINIMUM COVER	
		BOTTOM	TOP
SLABS:	TENDONS	3/4"	1-1/2"
	ANCHORAGES	2" ALL	AROUND
BEAMS:	TENDONS	2-1/2"	2-1/2"
	ANCHORAGES	4" ALL	AROUND

19. THE TOP OF THE FLOOR SHALL BE TRUE TO INDICATED ELEVATIONS, VARIATIONS SHALL NOT EXCEED 1/4" IN TEN FEET. CARE MUST BE EXERCISED IN FINISHING OPERATIONS TO OBTAIN A TRUE SURFACE.

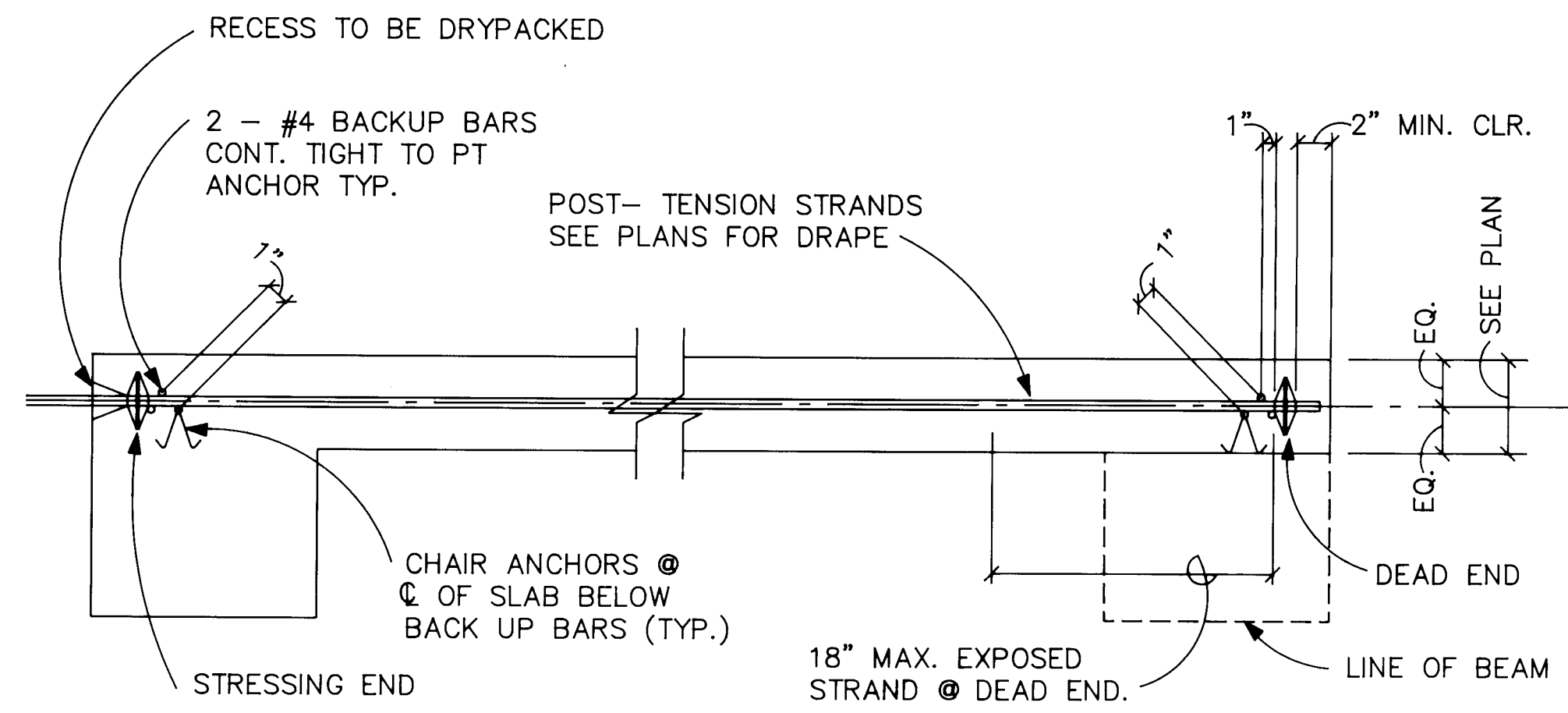
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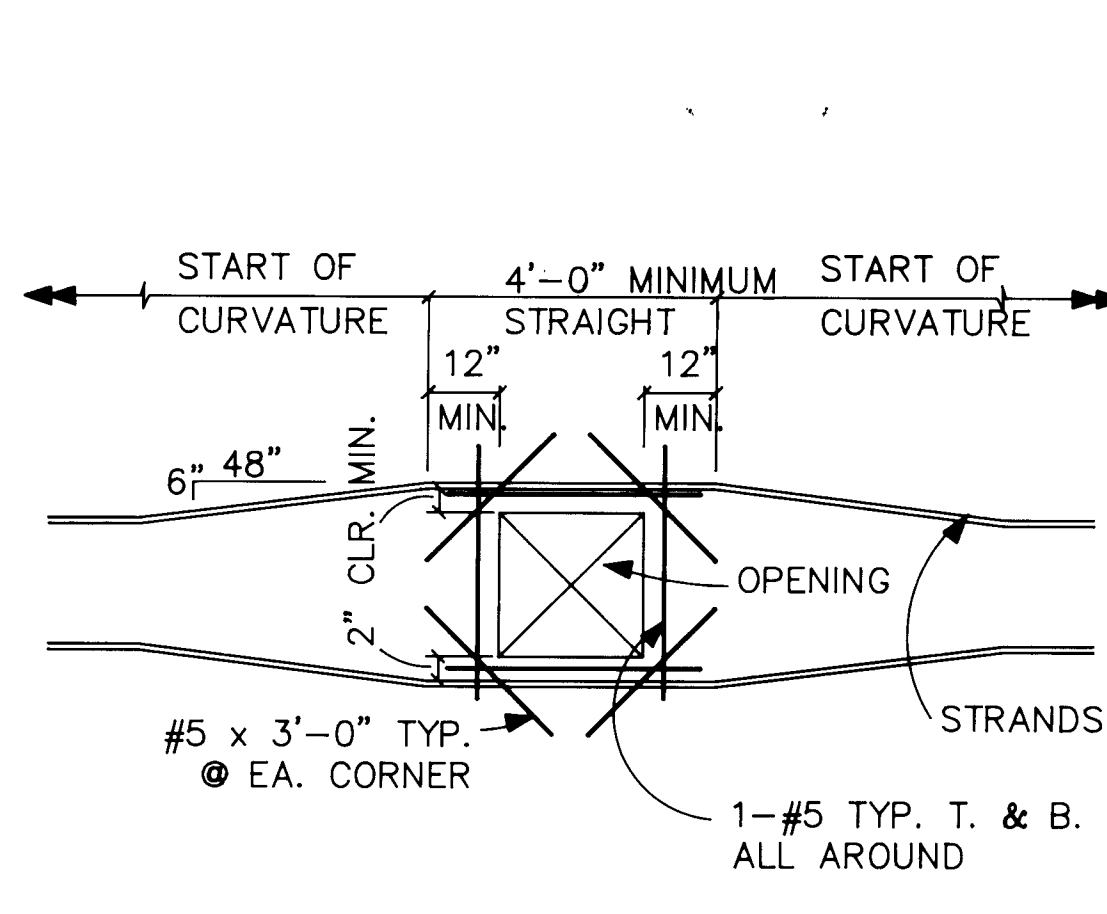
PARKING STRUCTURE BEAM ELEVATIONS AND POST-TENSIONING NOTES



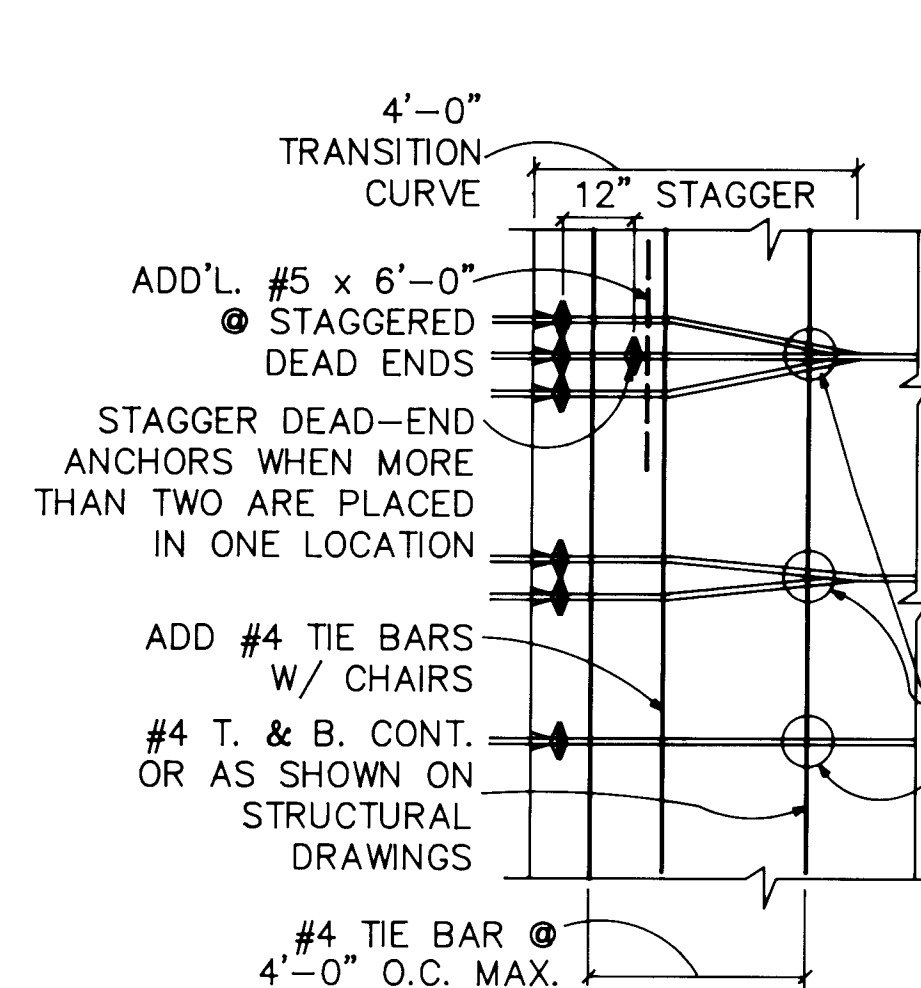
SHEET



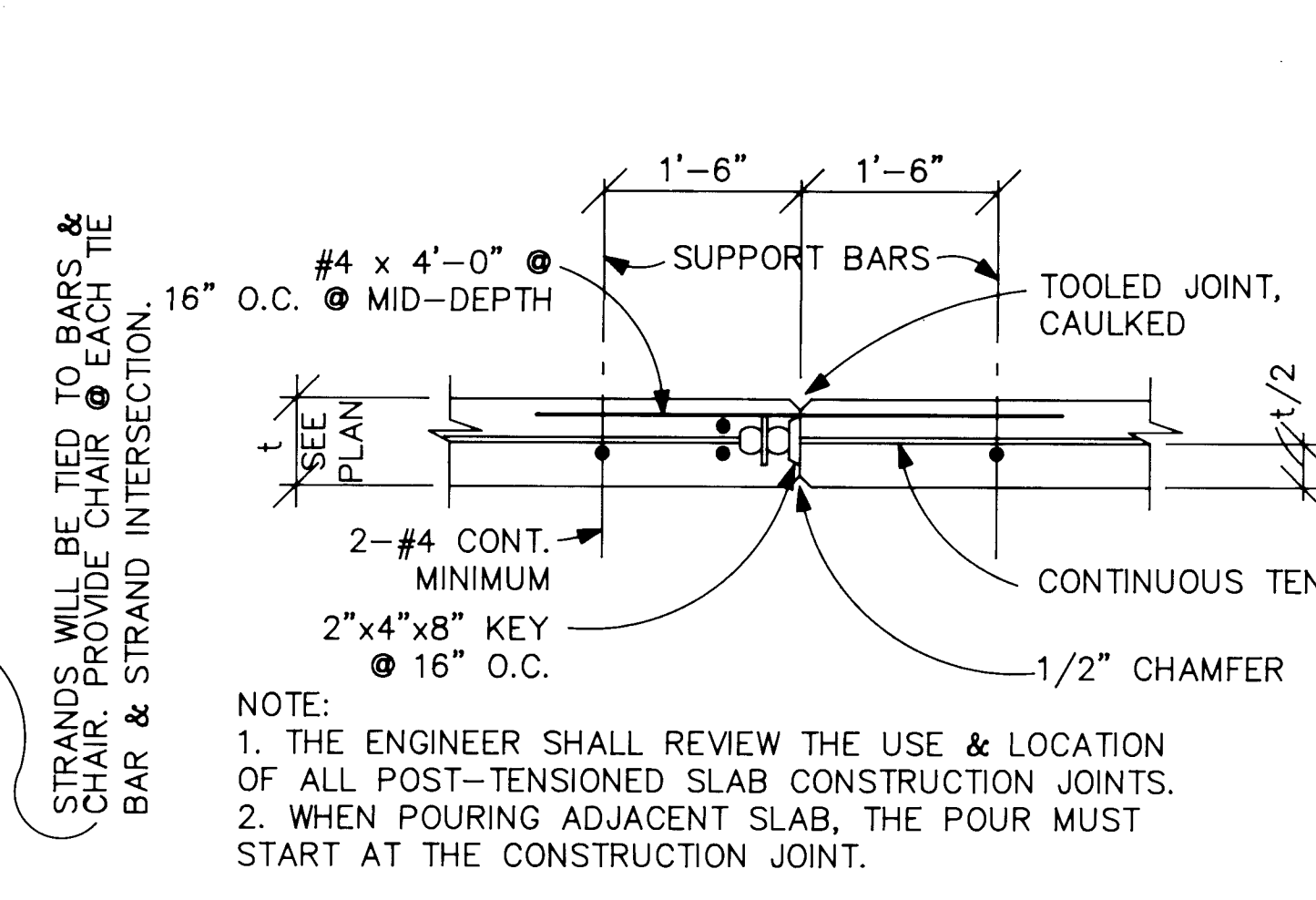
1
S15
TYPICAL POST - TENSION ANCHORS @ END OF SLAB OR BEAM
N.T.S.



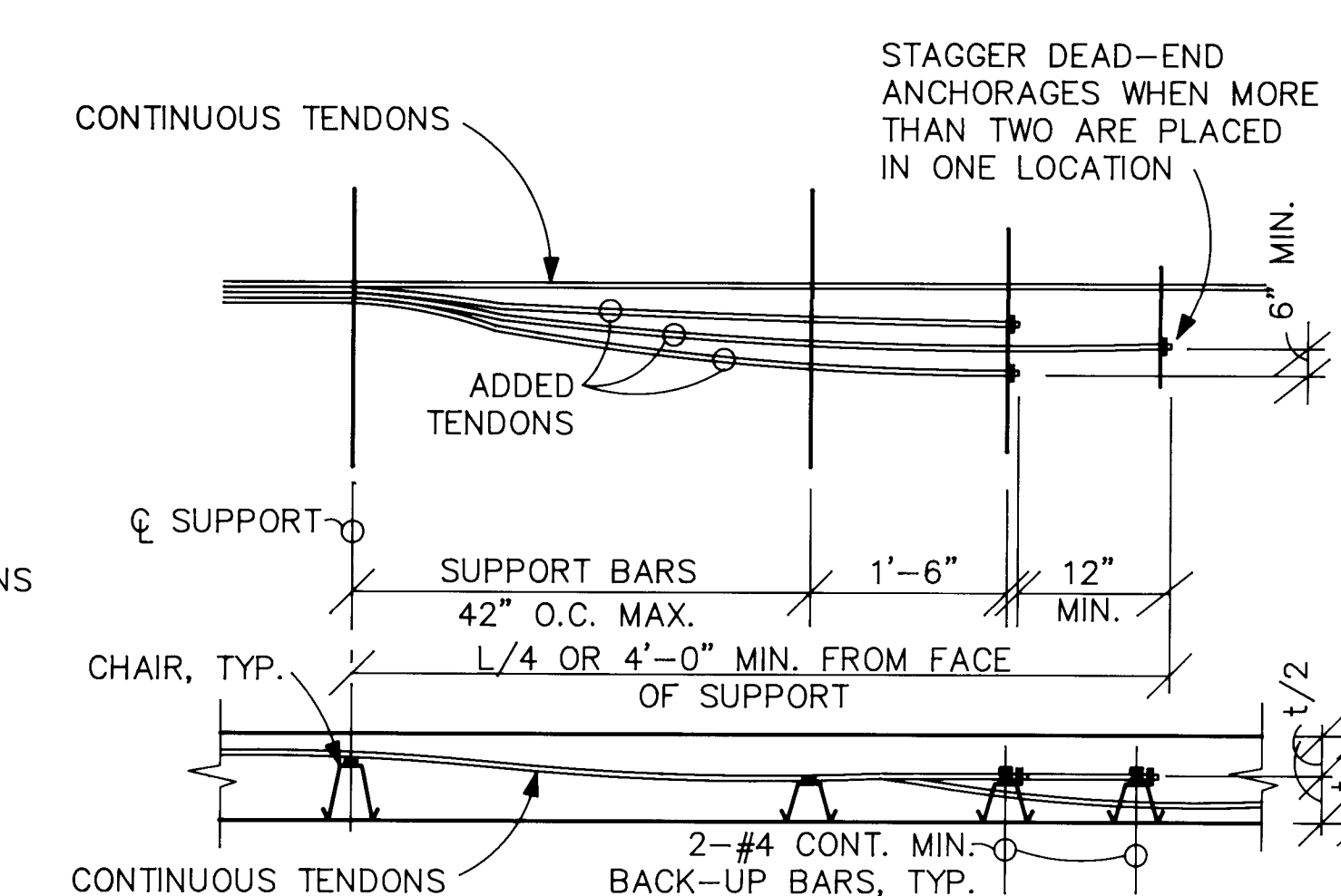
2
S15
TYP. OPENING IN POST-TENSIONED SLAB
N.T.S.



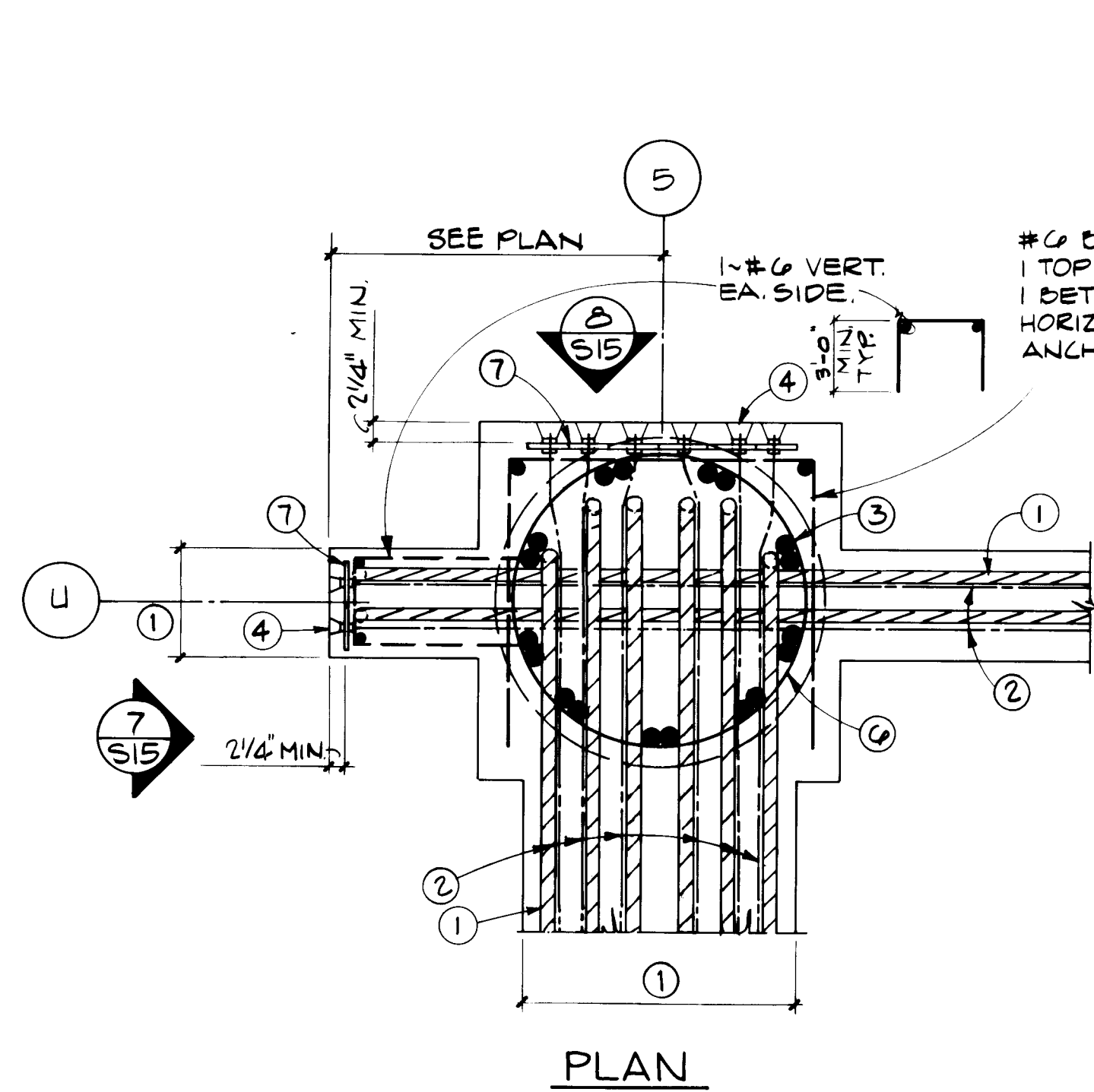
3
S15
TYP. BUNDLED STRANDS FOR POST-TENSIONING
N.T.S.



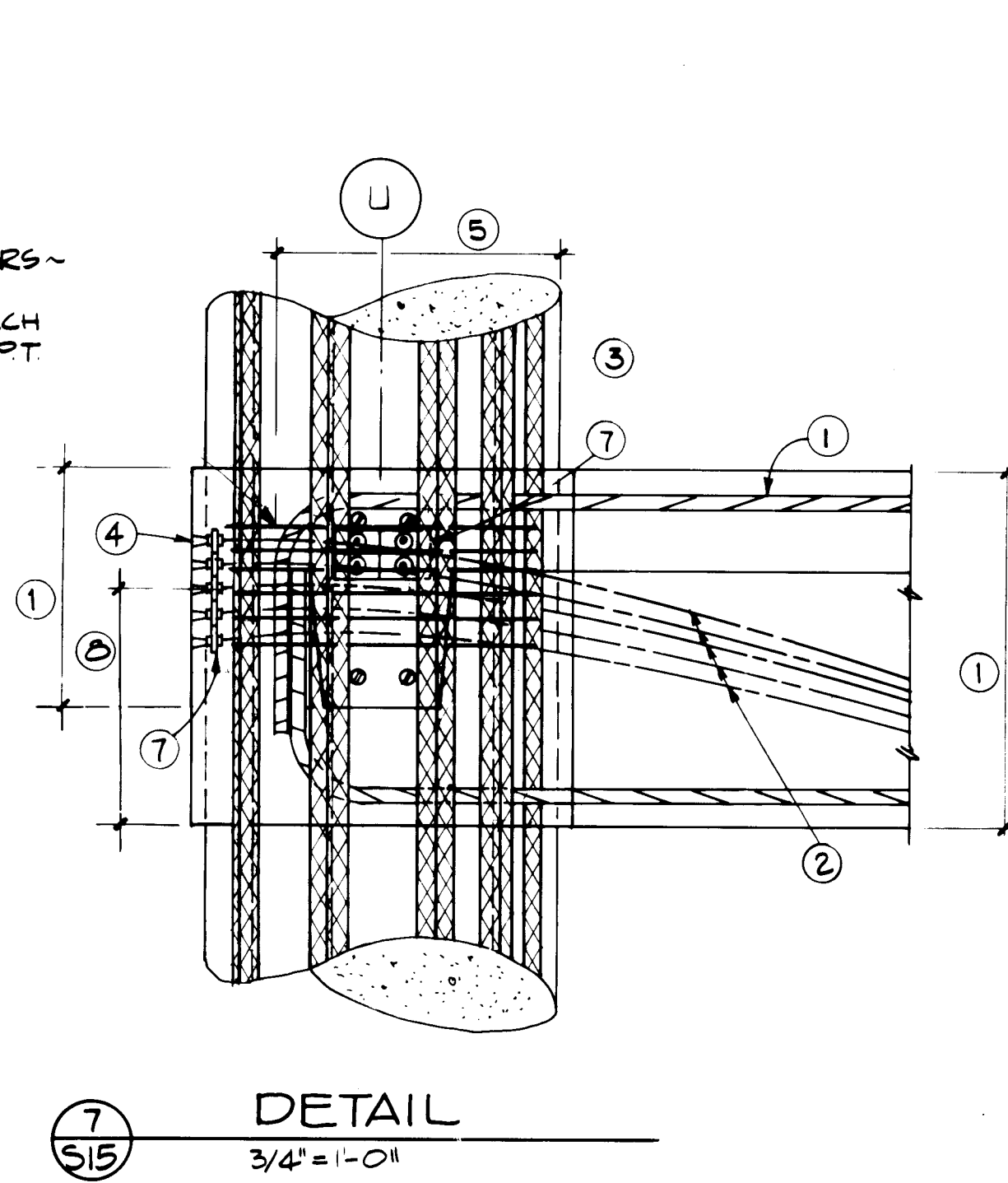
4
S15
TYP. POST-TENSIONED SLAB CONSTRUCTION JOINT
N.T.S.



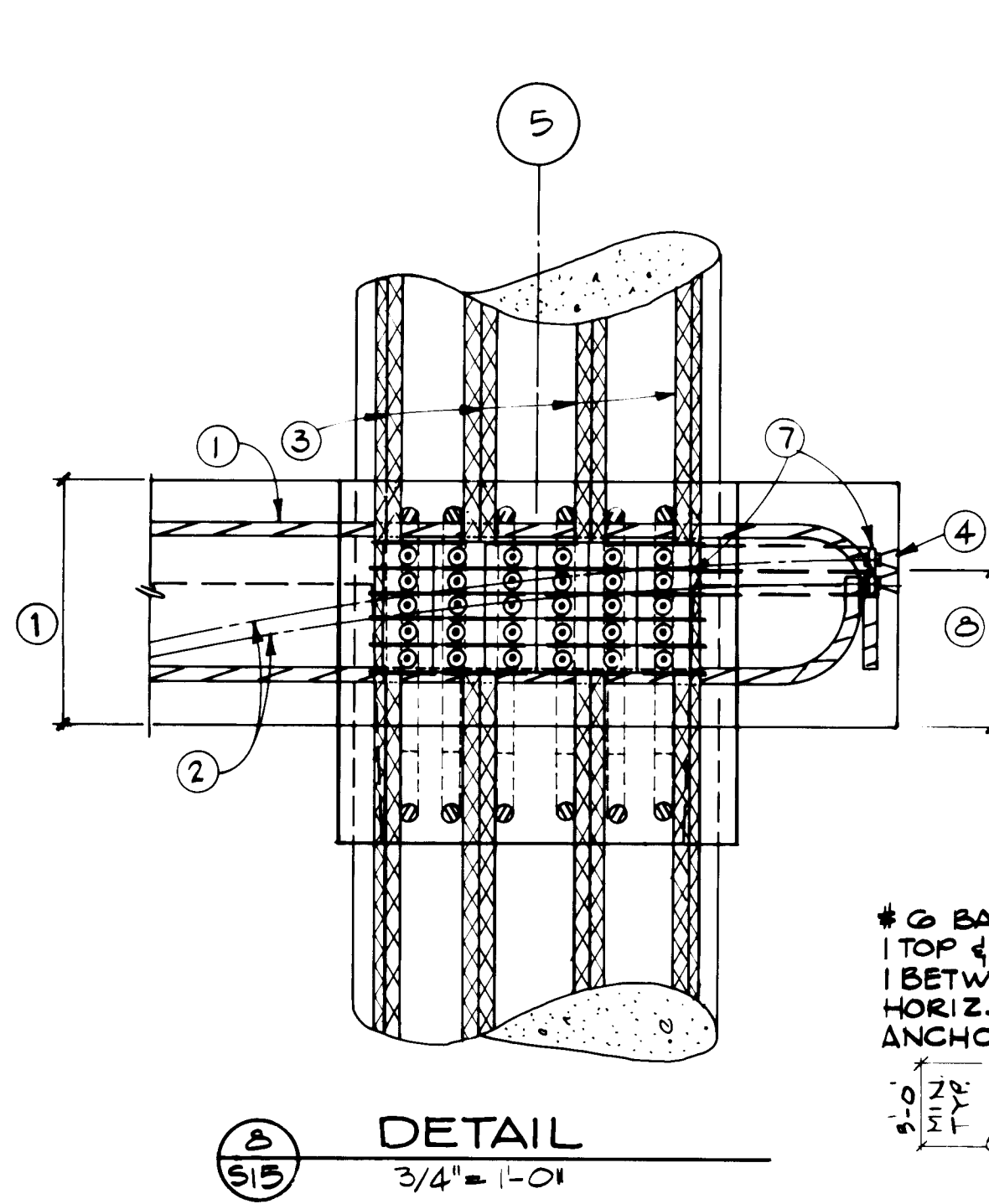
5
S15
TYP. ADDED TENDON ANCHORAGES
N.T.S.



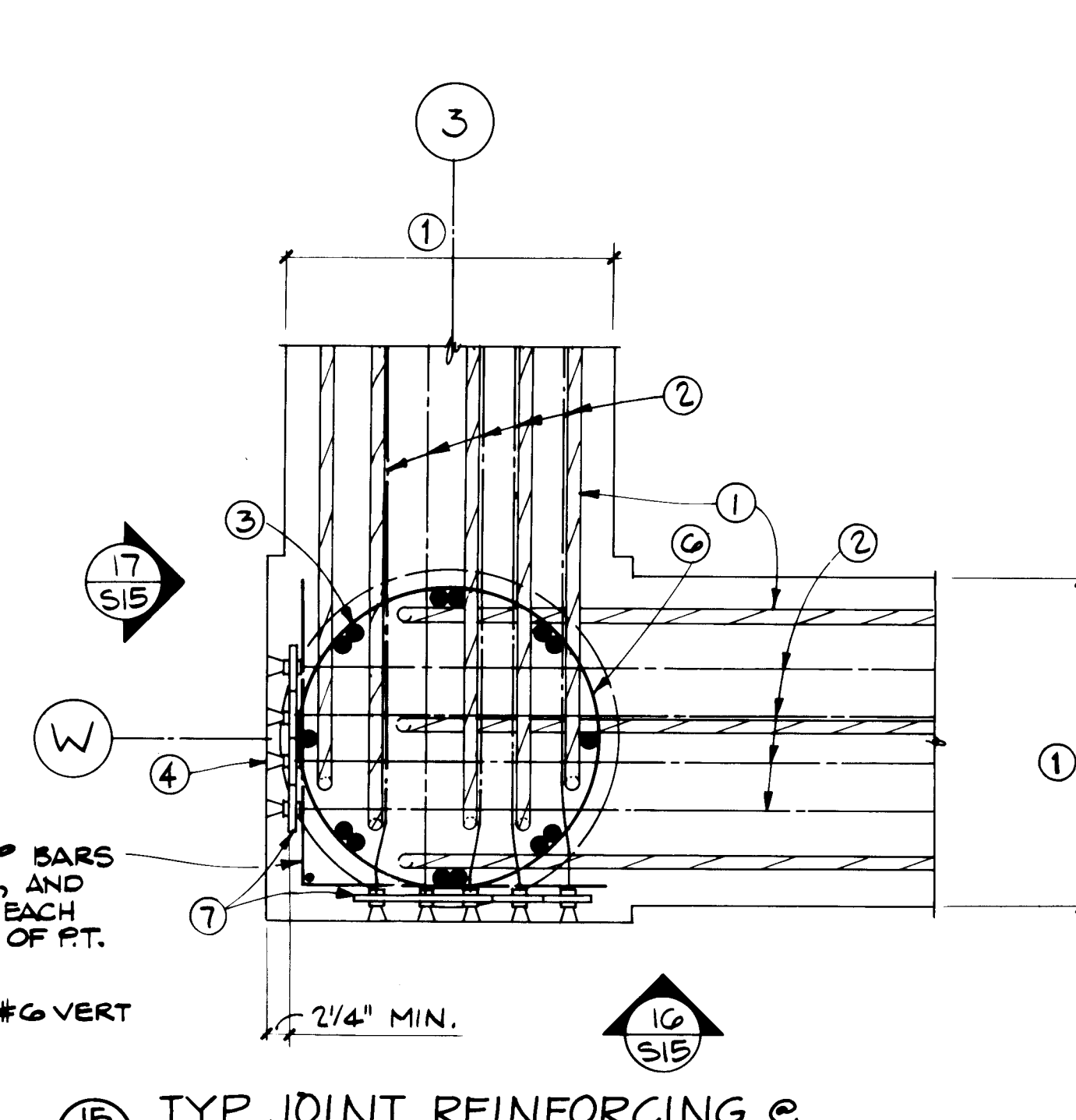
6
S15
TYP. JOINT REINFORCING @ INTERIOR COLUMN
3/4" = 1'-0"



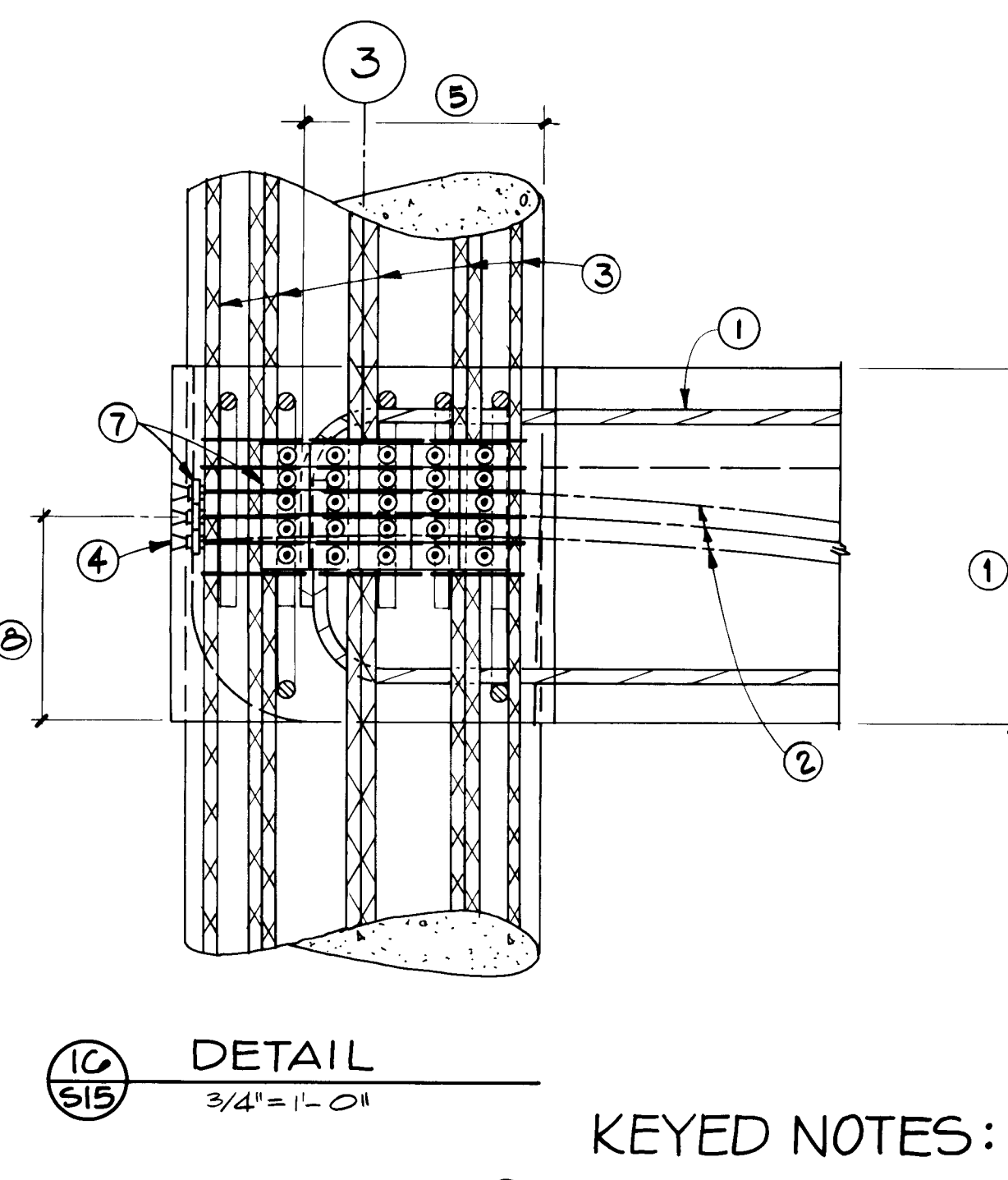
7
S15
DETAIL
3/4" = 1'-0"



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



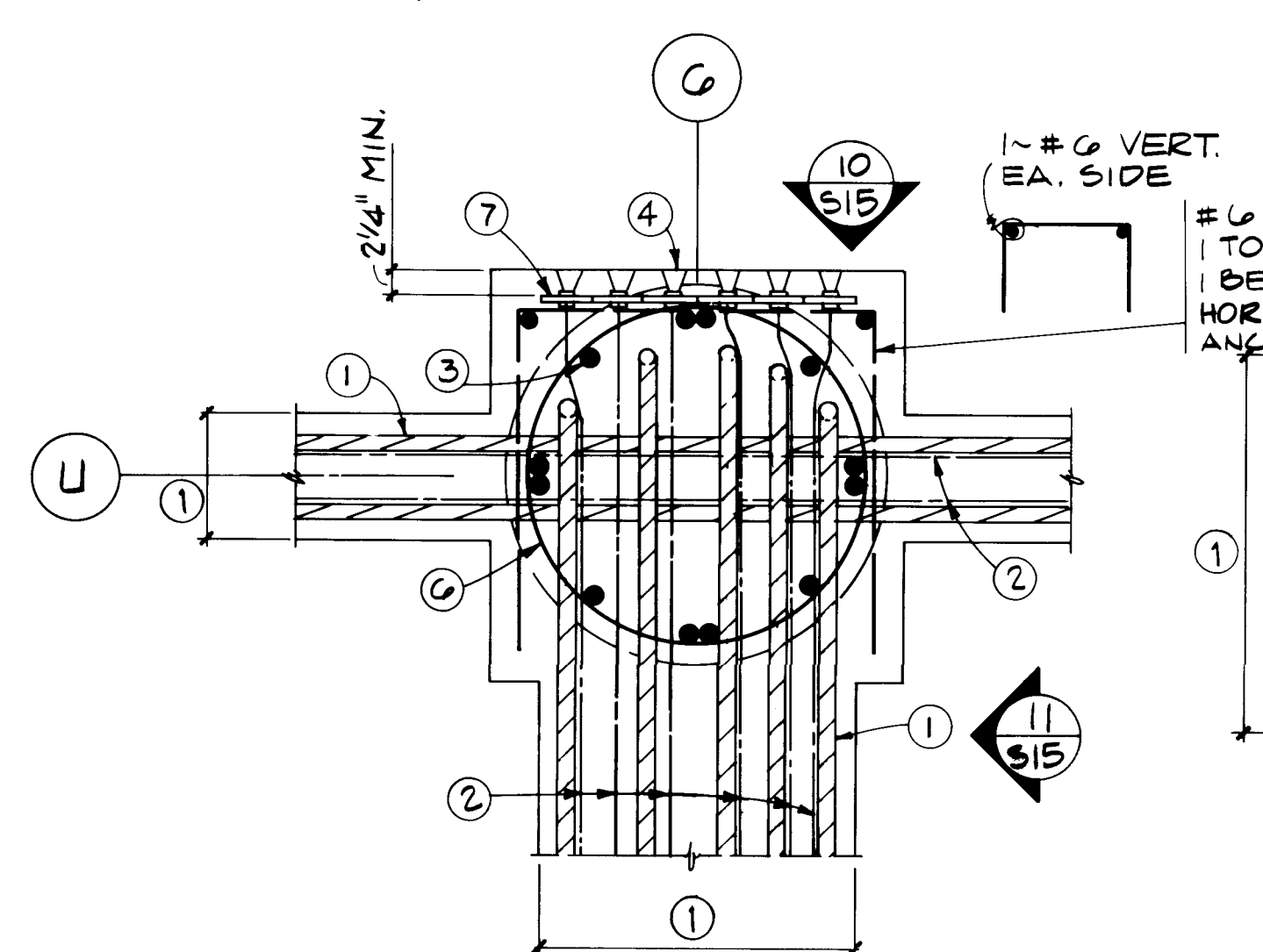
9
S15
TYP. JOINT REINFORCING @ CORNER COL.
3/4" = 1'-0"



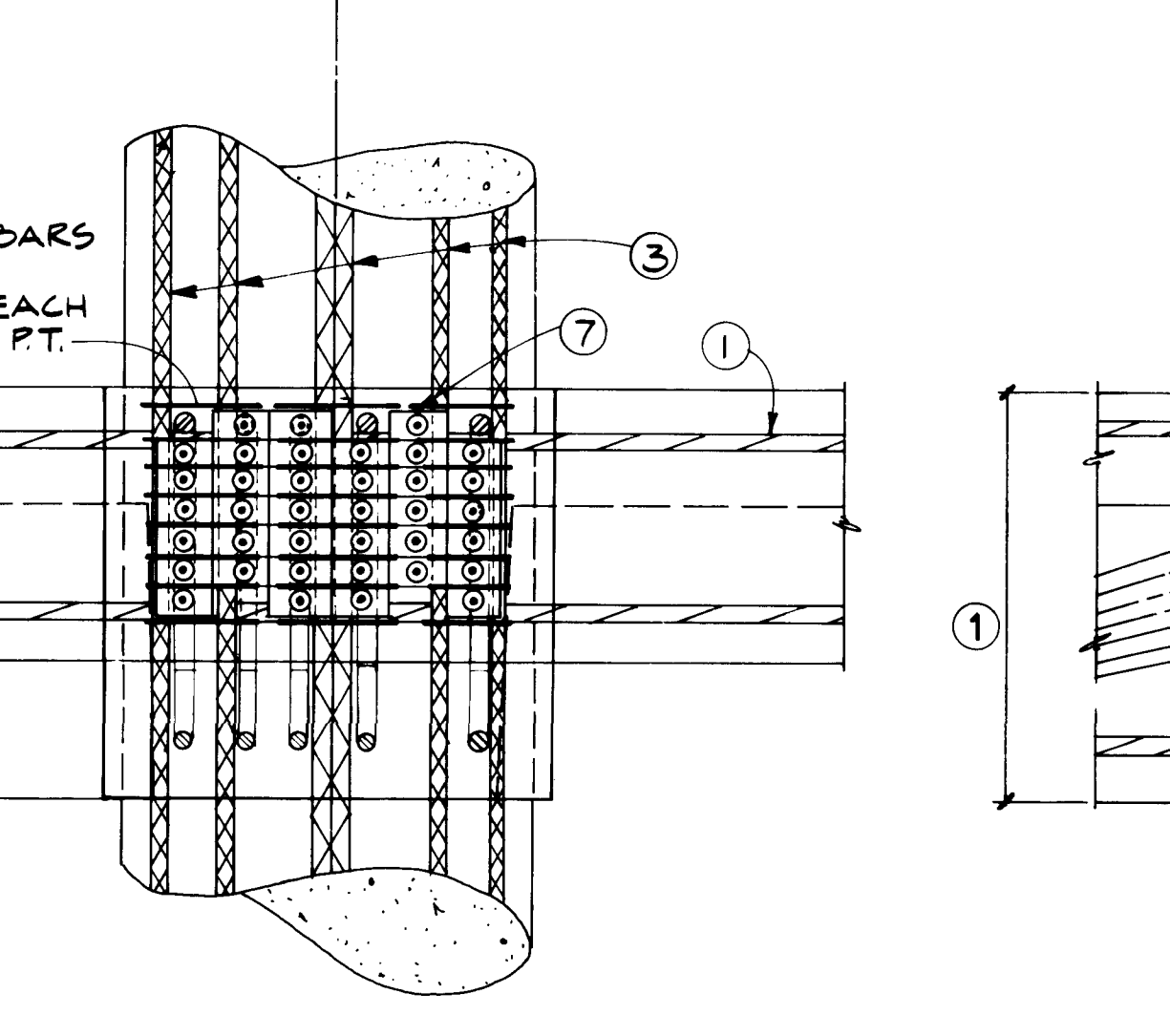
10
S15
DETAIL
3/4" = 1'-0"

KEYED NOTES:

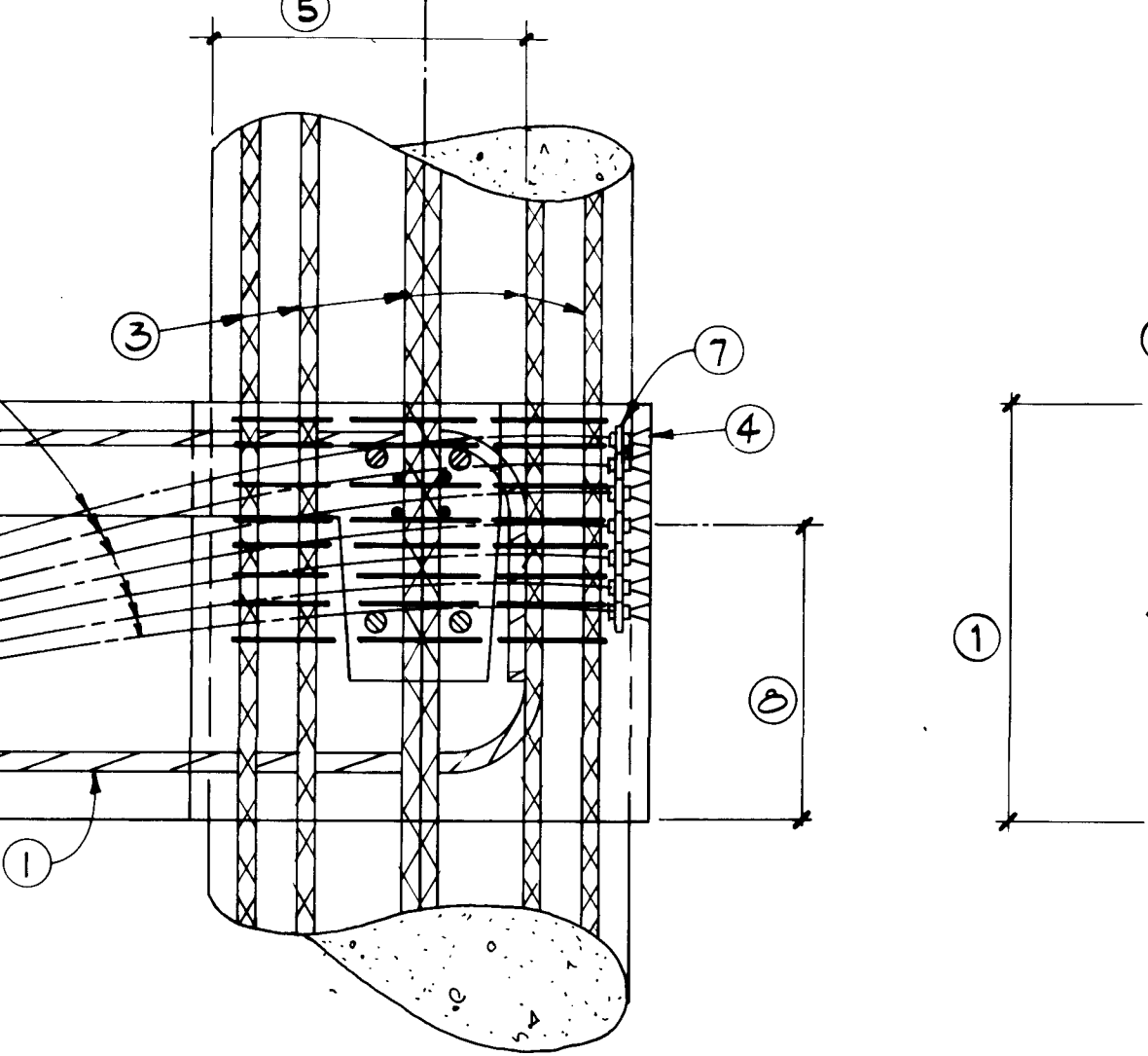
- SEE BEAM ELEVATIONS FOR BEAM DIMENSIONS & REINF. REQUIREMENTS.
- PT. STRANDS - SEE BEAM ELEVATIONS FOR FORCE REQUIREMENTS.
- SEE COLUMN SCHEDULE FOR REINFORCING.
- GROUT @ STRESSING END ONLY.
- 1'-10" EMBEDMENT MIN. FROM FACE OF COLUMN TO BACK OF BEAM REINF. HOOK, TYPICAL.
- COLUMN HOOPS, SEE COLUMN SCHEDULE / COLUMN ELEVATIONS. HOOPS NOT SHOWN IN SECTIONS THIS SHEET FOR CLARITY.
- POST-TENSIONED ANCHOR ARRANGEMENT AS PER POST-TENSIONING SHOP DRAWINGS.
- C.G.S. SEE BEAM ELEVATIONS.
- POST-TENSIONED SLAB - SEE SCHEDULE.



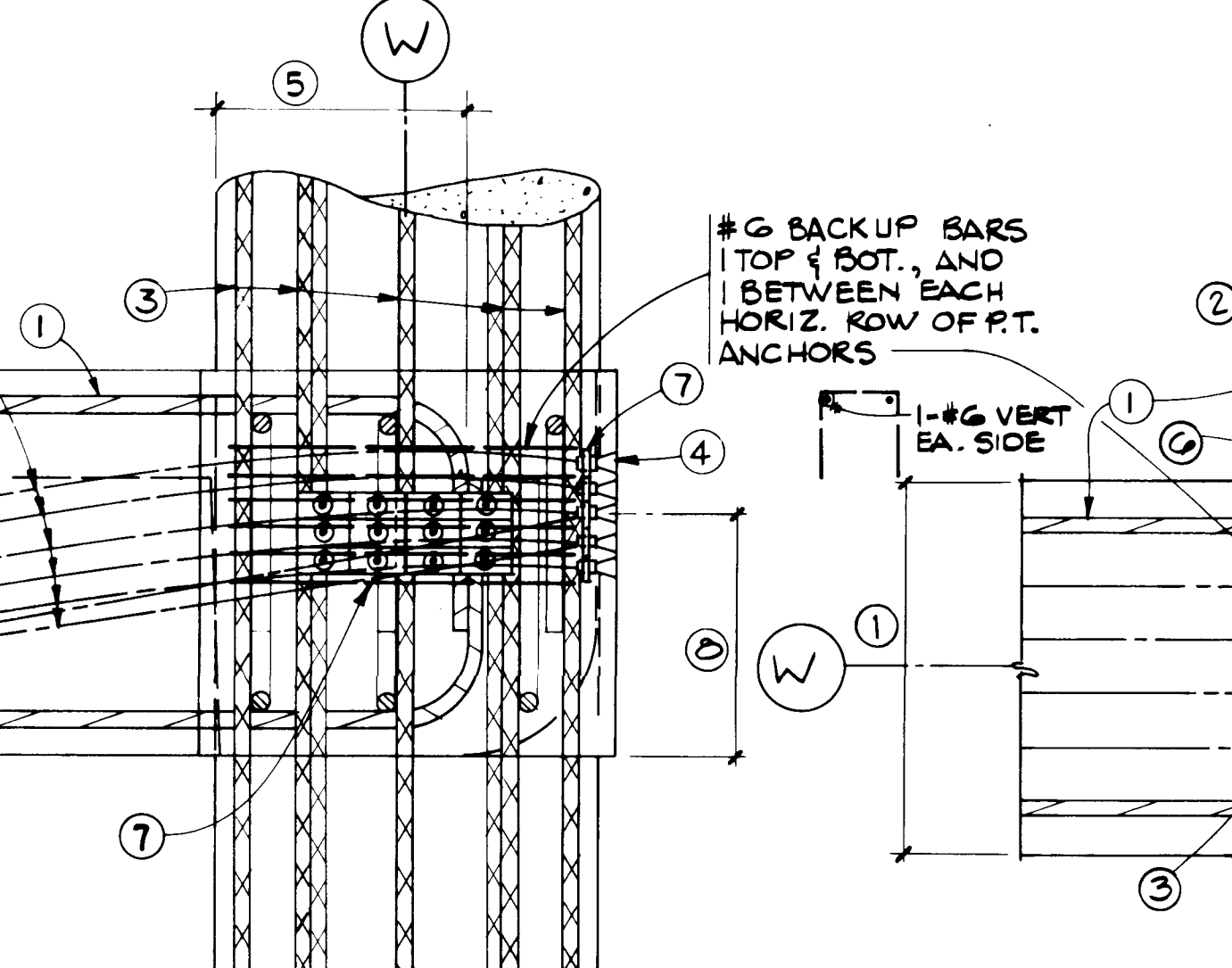
11
S15
TYP. JOINT REINFORCING @ INTERIOR COL.
3/4" = 1'-0"



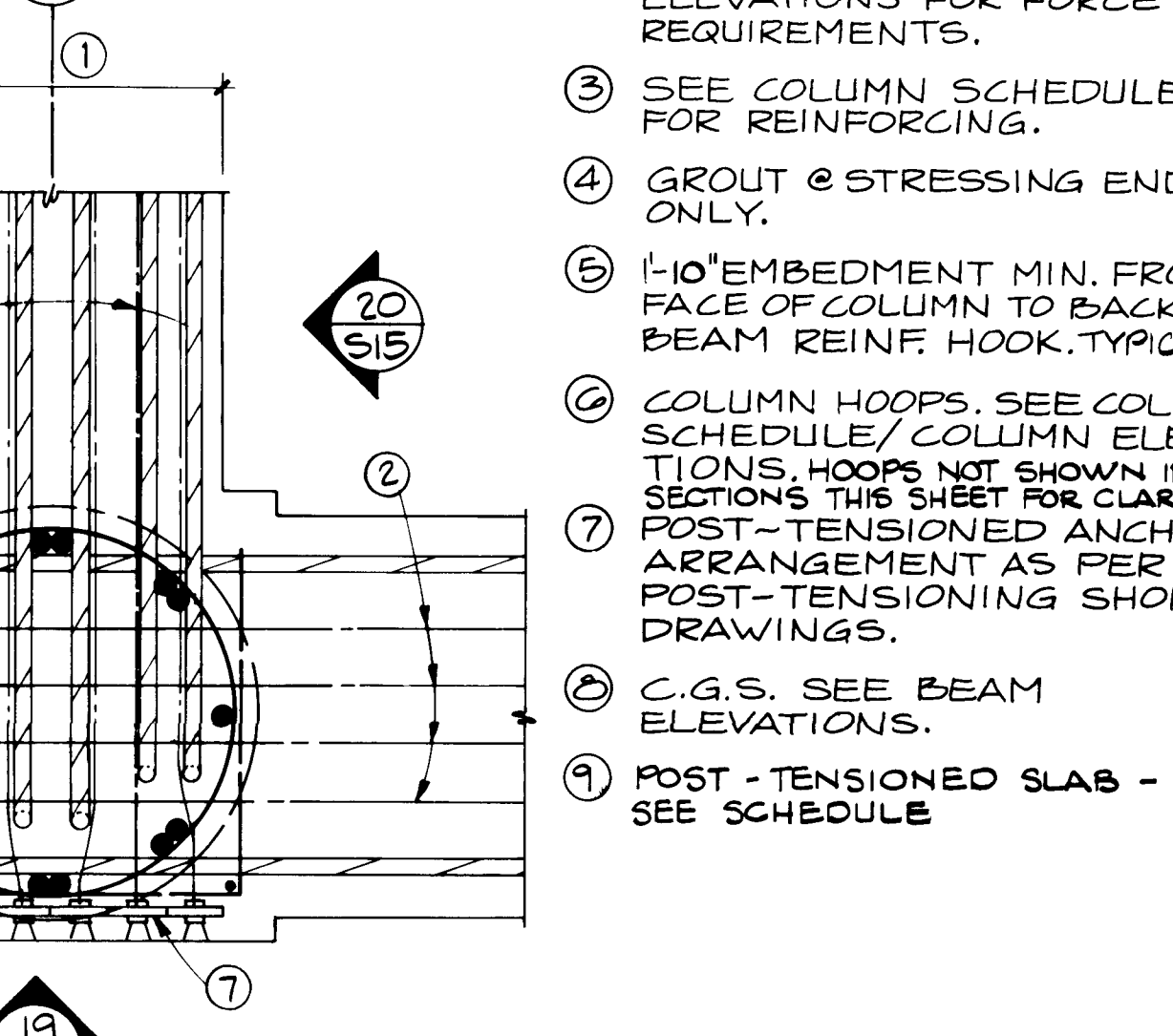
12
S15
DETAIL
3/4" = 1'-0"



13
S15
DETAIL
3/4" = 1'-0"

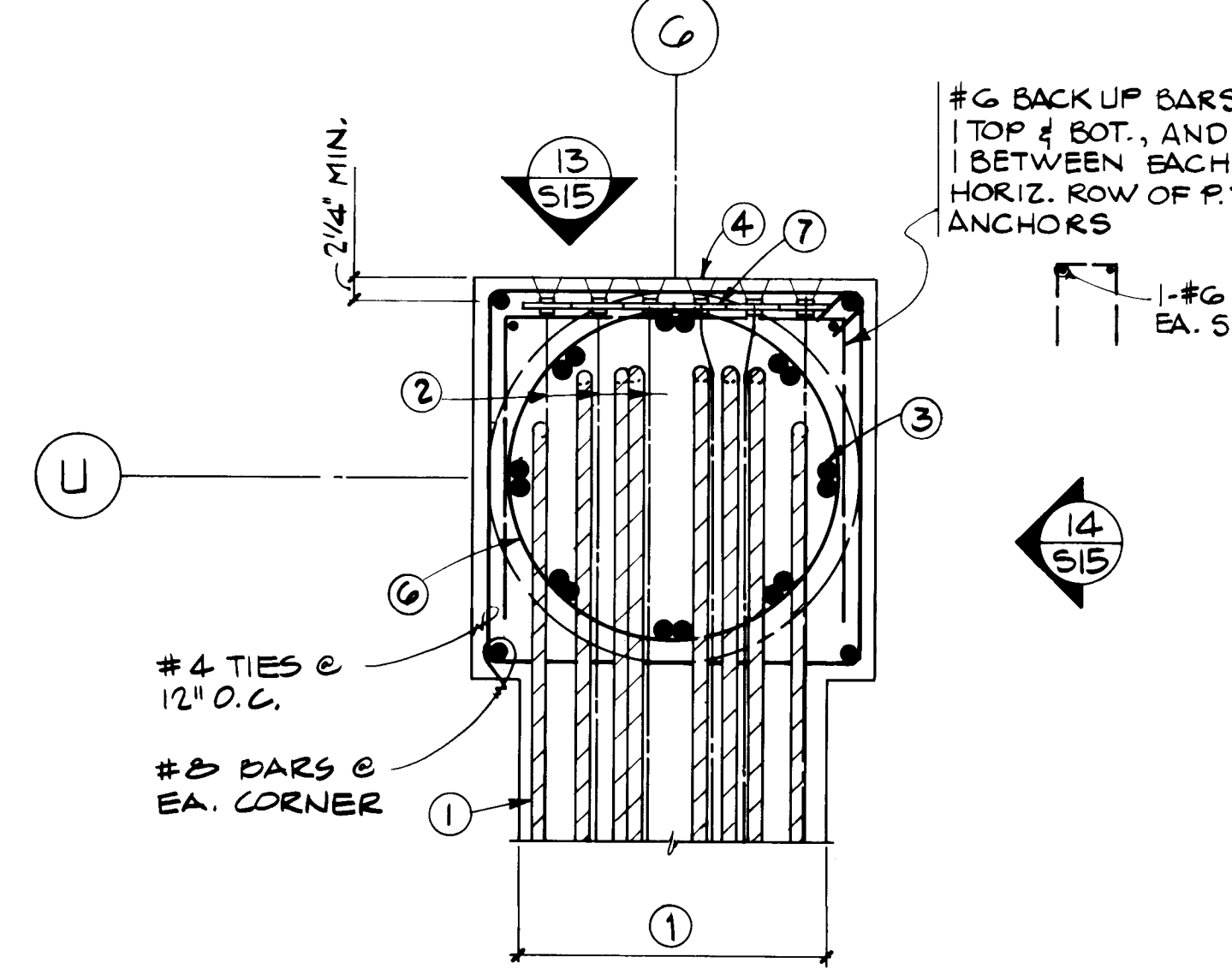


14
S15
DETAIL
3/4" = 1'-0"

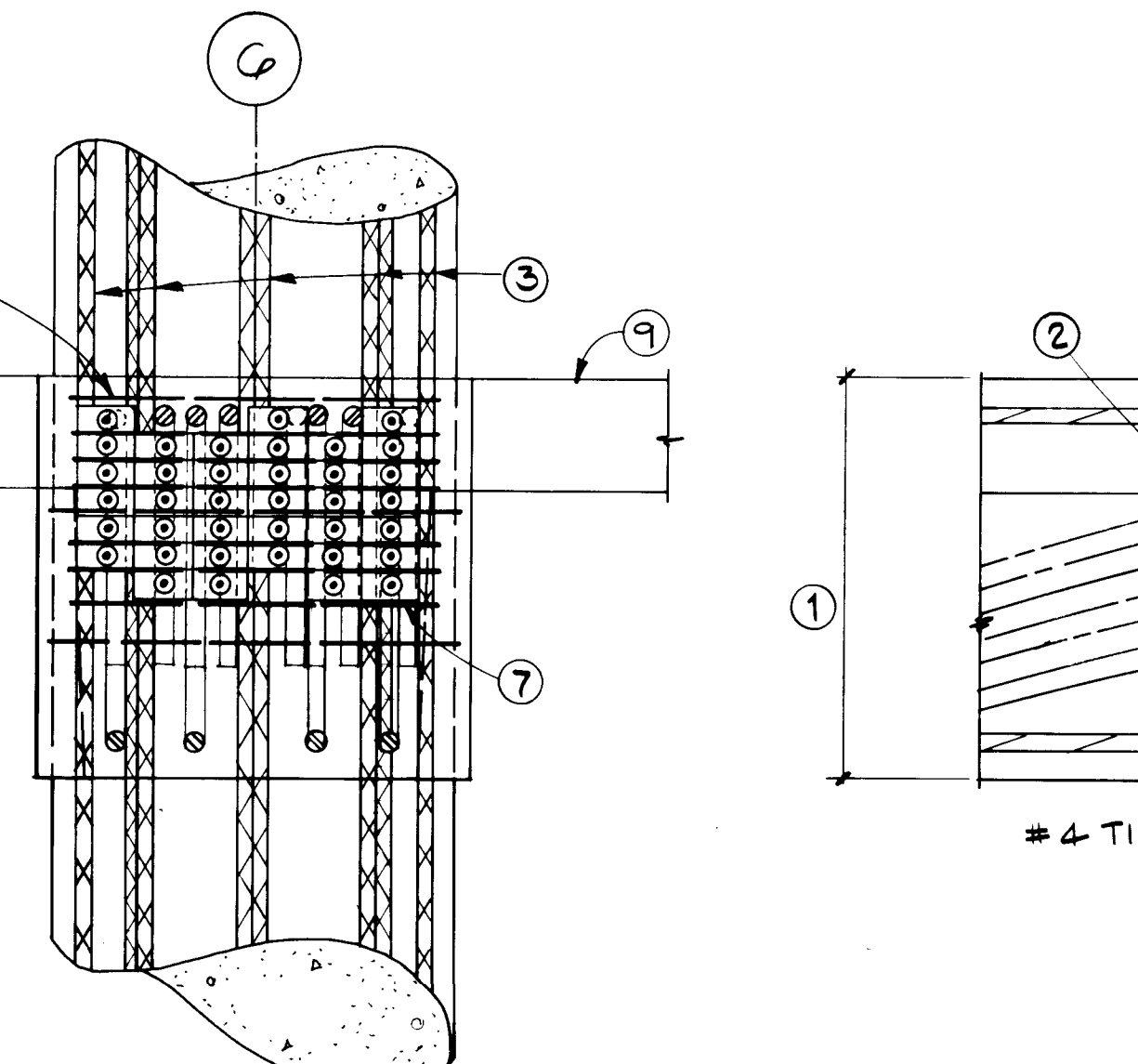


15
S15
TYP. JOINT REINFORCING @ EXTERIOR COL.
3/4" = 1'-0"

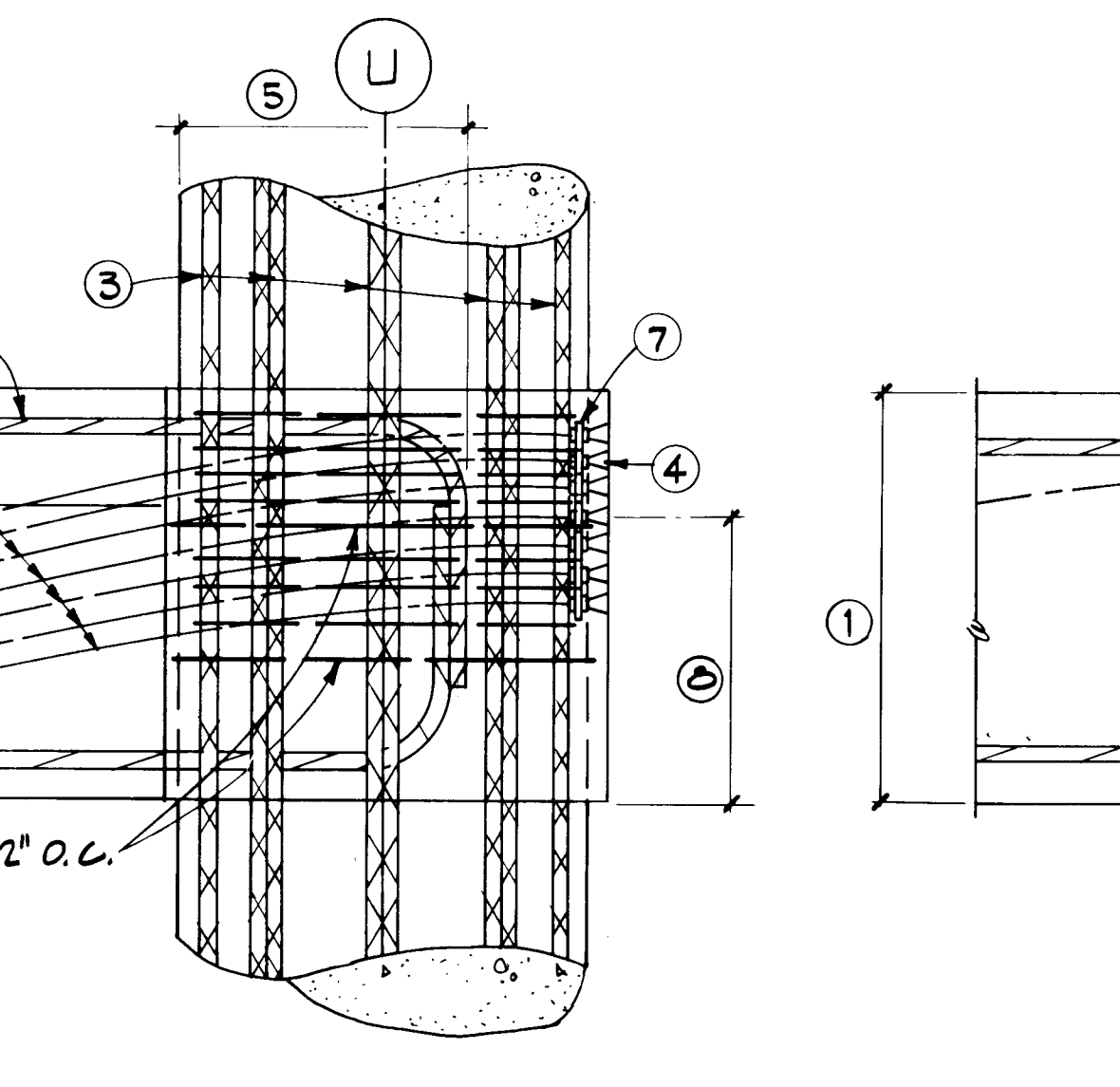
NOTE:
REINFORCED CONC. JOINT DETAILS SHOWN ON THIS SHEET INDICATE ADD'L. JOINT REINF. REQUIREMENTS. NUMBER OF STRAND & REBAR VARIES. SEE BEAM ELEVATIONS & COLUMN SCHEDULE FOR REINF. REQUIREMENTS. SEE POST-TENSIONING SHOP DWGS. FOR CABLE AND ANCHOR ARRANGEMENTS.



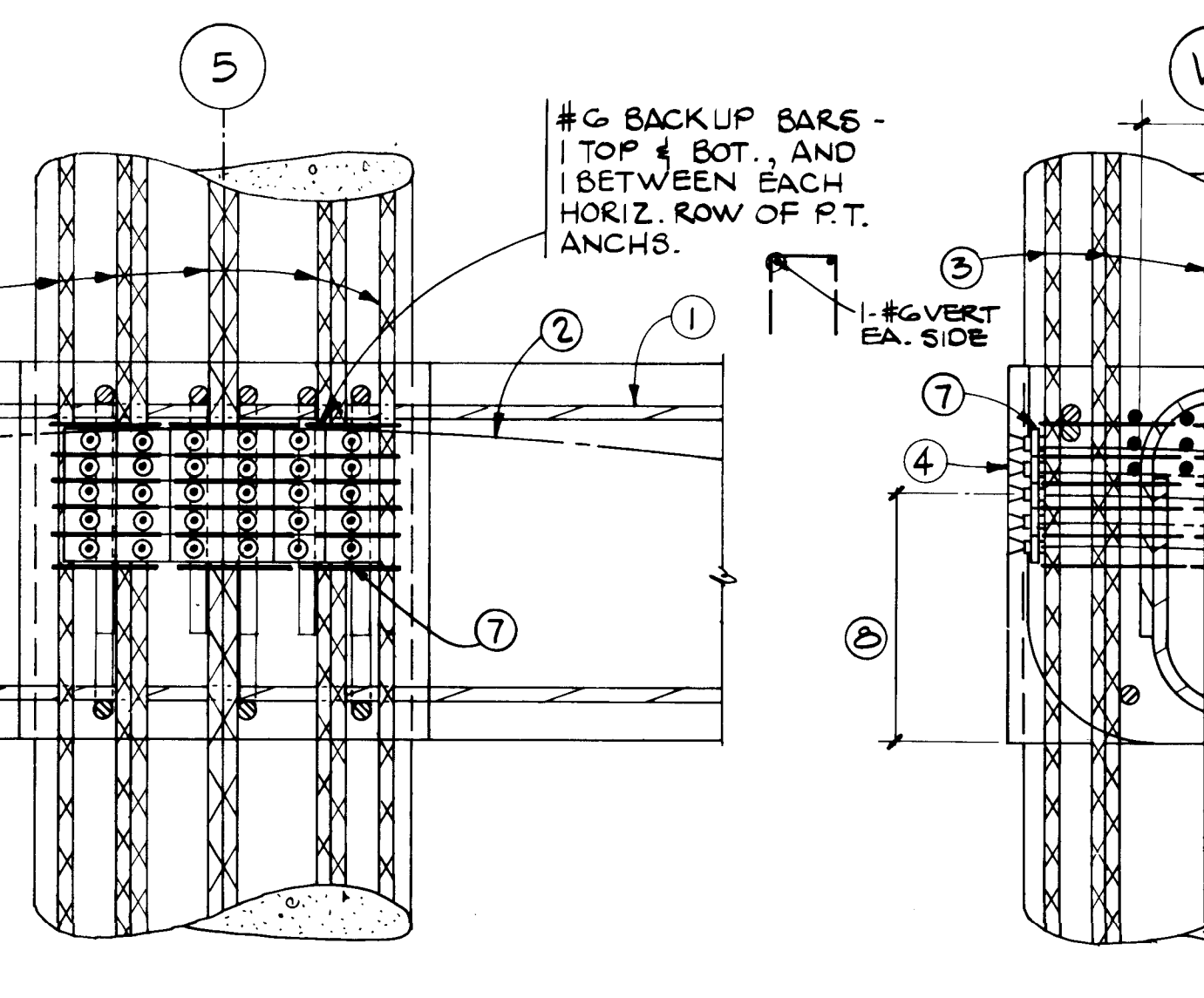
16
S15
TYP. JOINT REINFORCING @ INTERIOR COL.
3/4" = 1'-0"



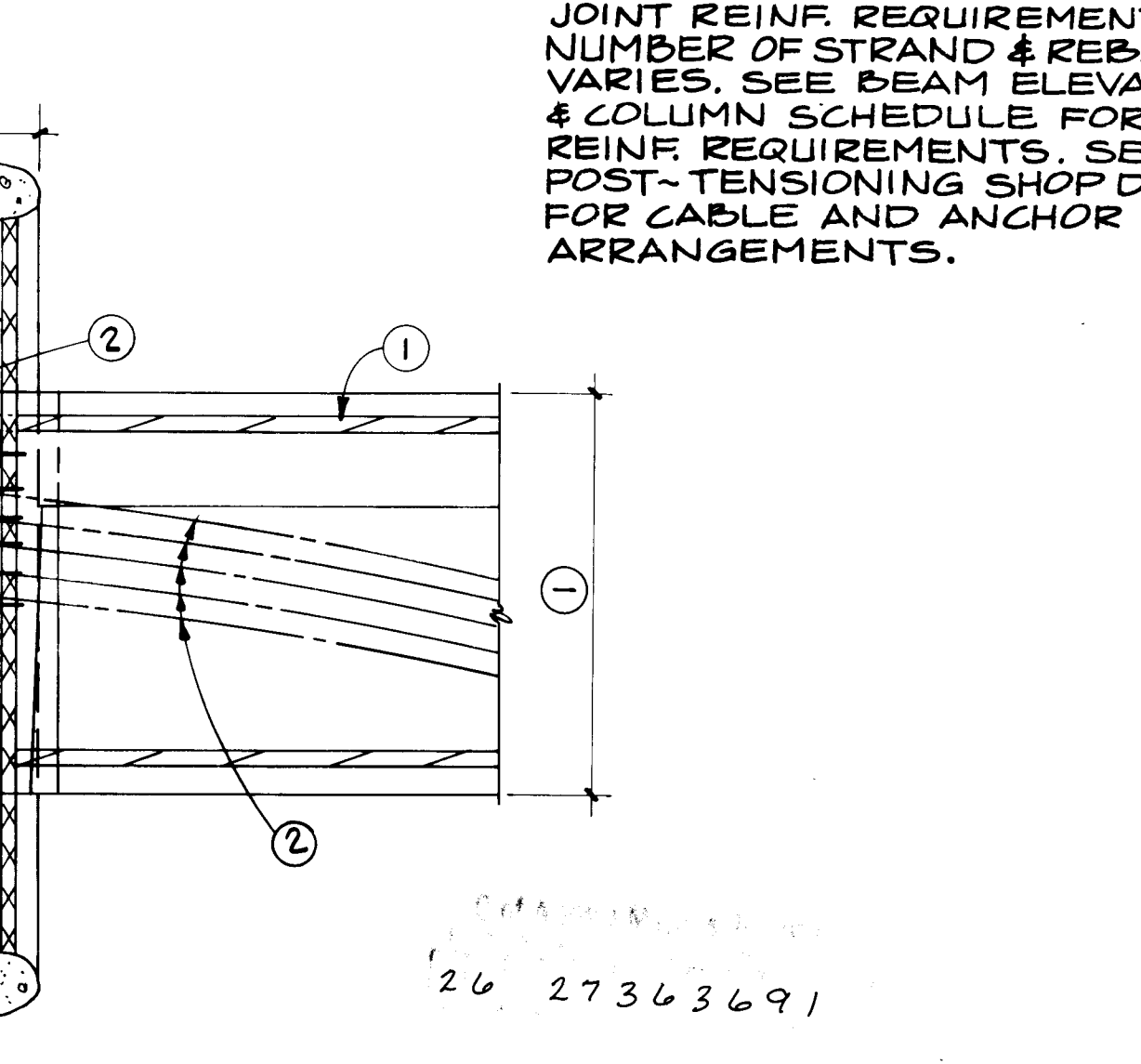
17
S15
DETAIL
3/4" = 1'-0"



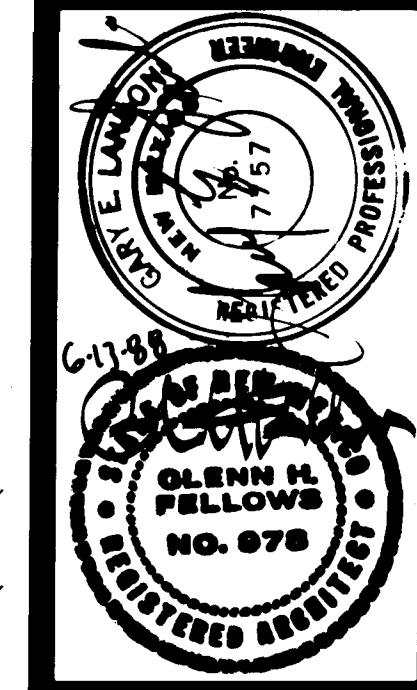
18
S15
DETAIL
3/4" = 1'-0"



19
S15
DETAIL
3/4" = 1'-0"



20
S15
DETAIL
3/4" = 1'-0"



REVISED DATE
AS-BUILT 7-4-90

CHECKED BY: [Signature]

PARKING STRUCTURE
TYPICAL POST-TENSIONING
SLAB AND BEAM DETAILS

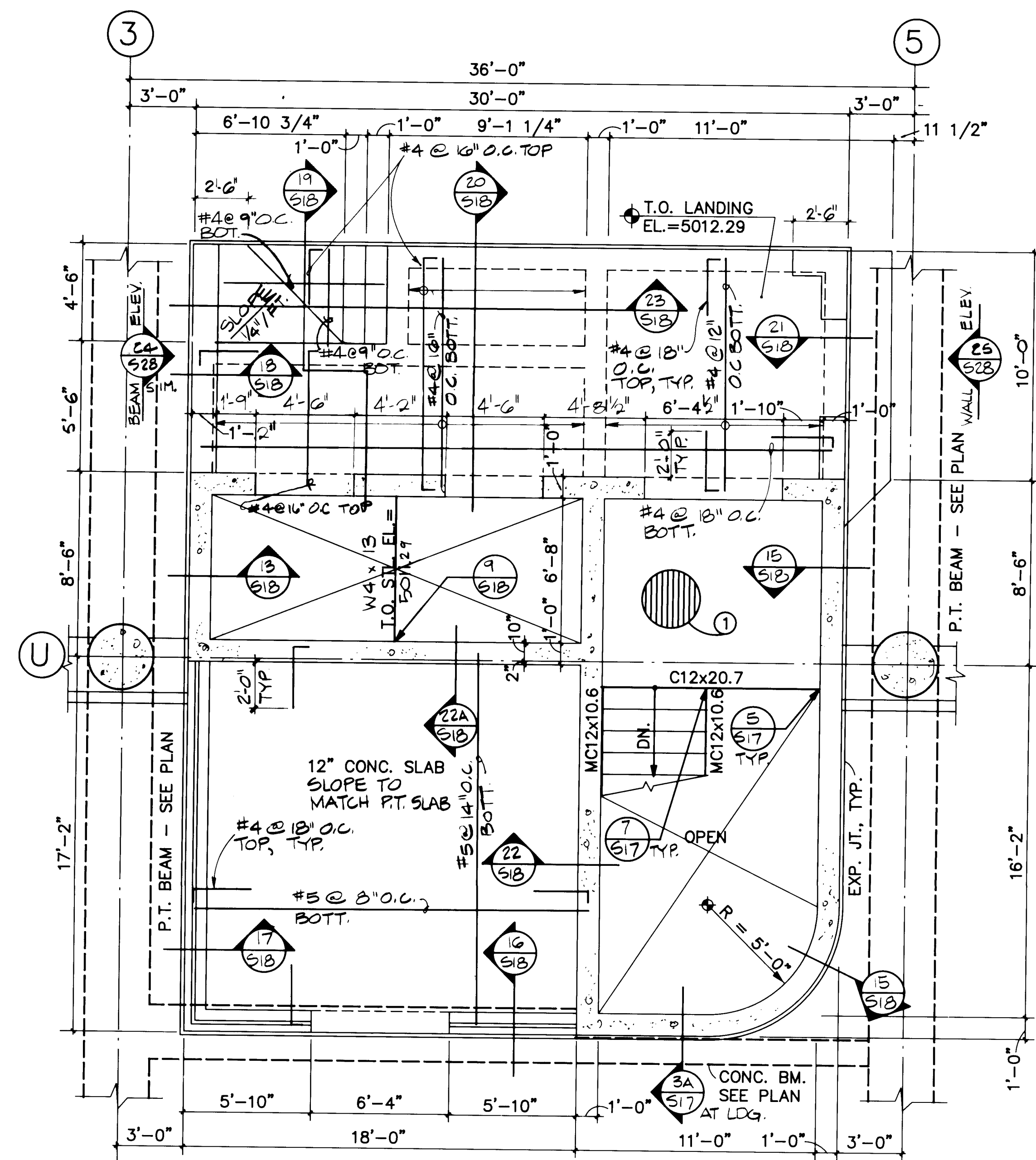


ALBUQUERQUE RENOVATION
CONVENTION CENTER
EXPANSION

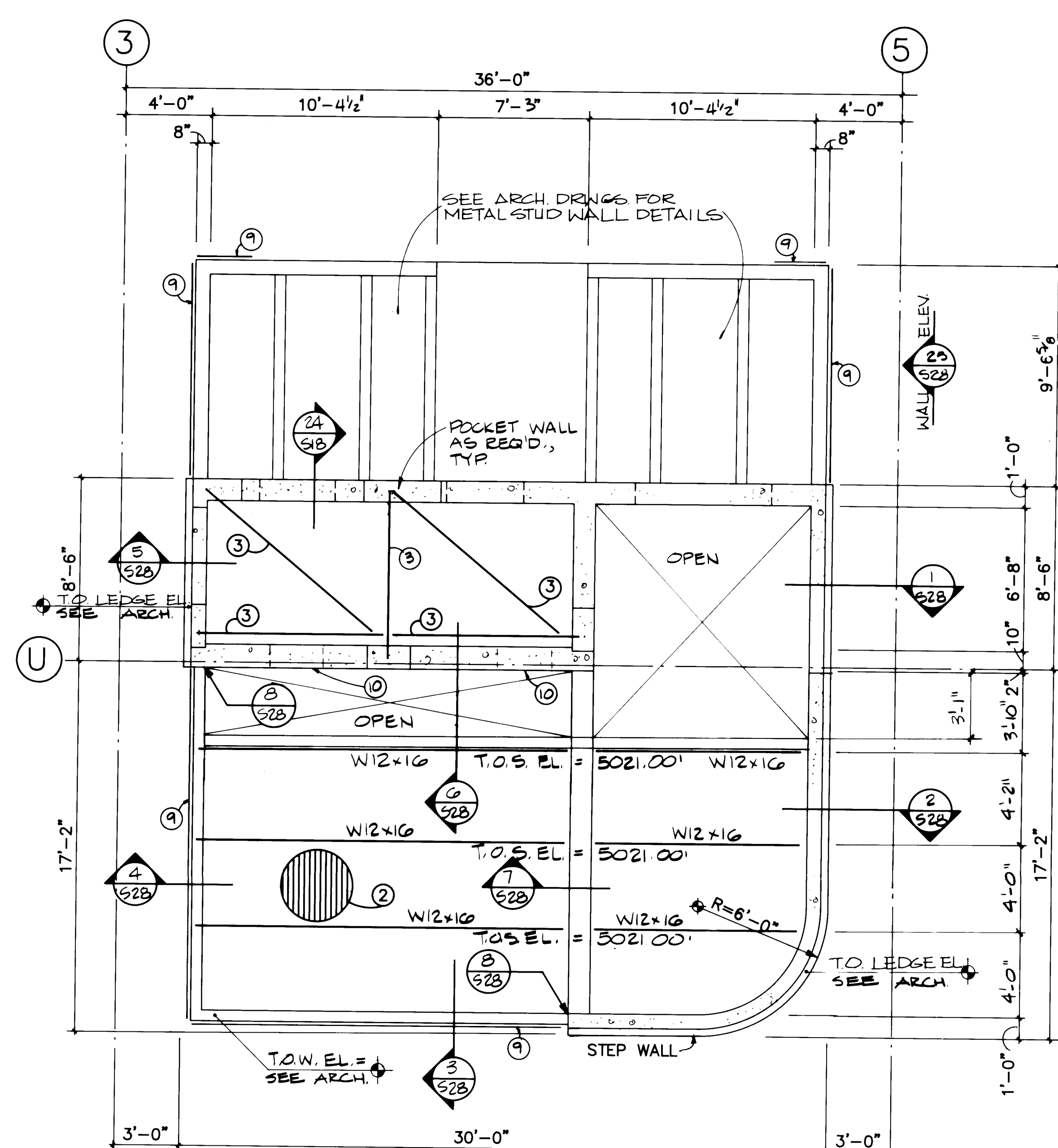
26 27 36 36 91

SHEET

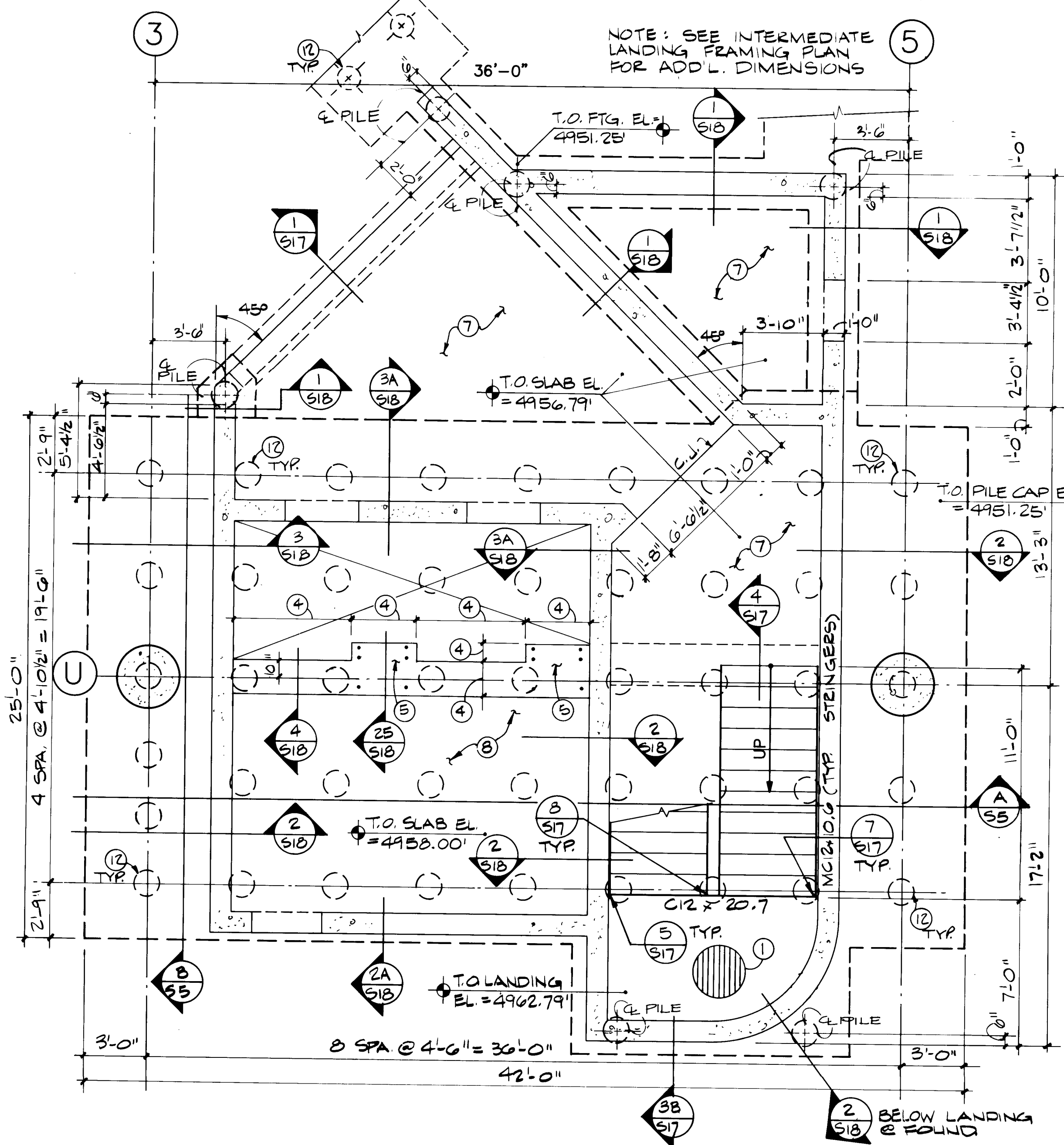
6-15
OF 67



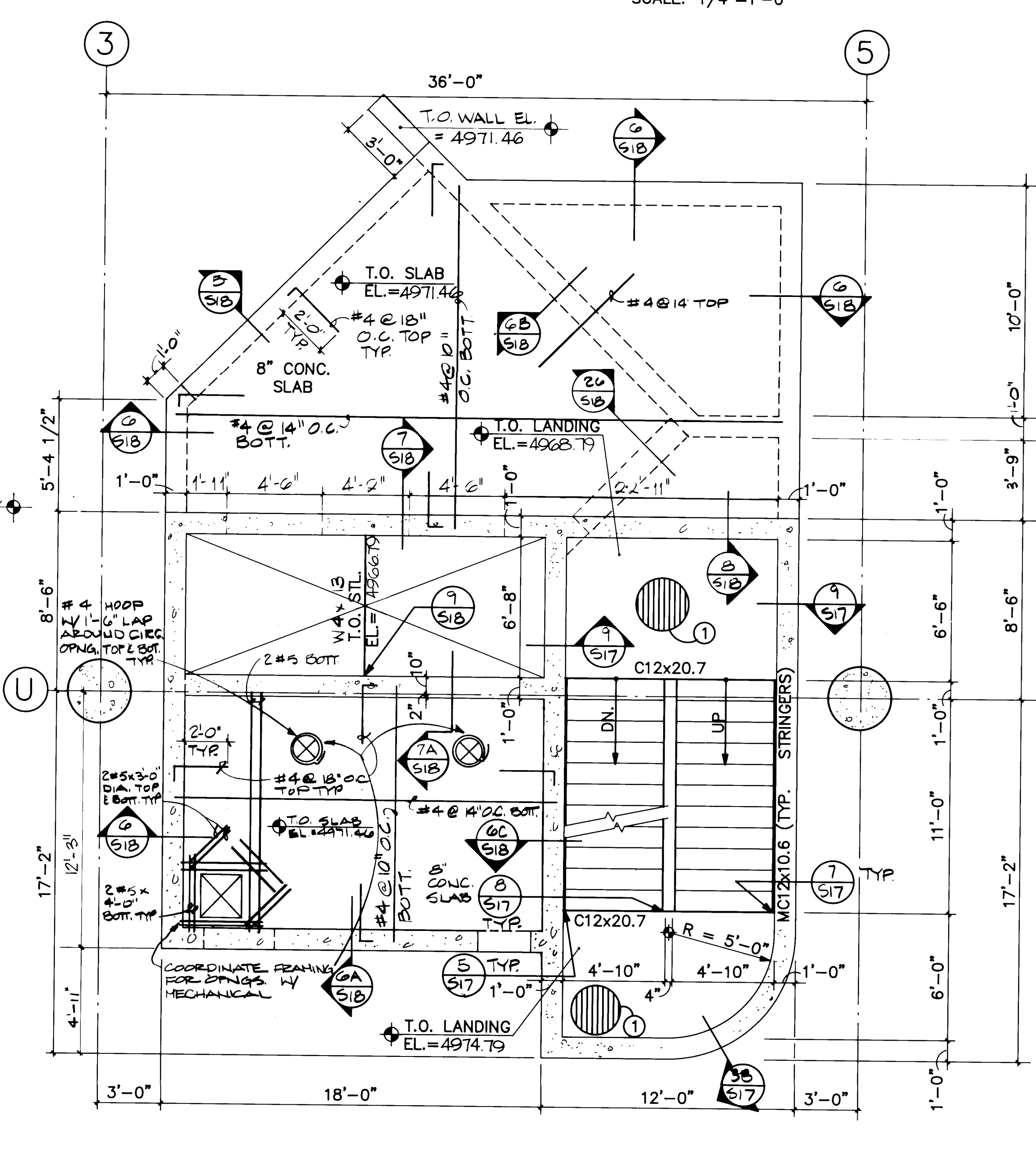
SOUTH STAIR - UPPER LEVEL FRAMING PLAN
SCALE: 1/4"=1'-0"



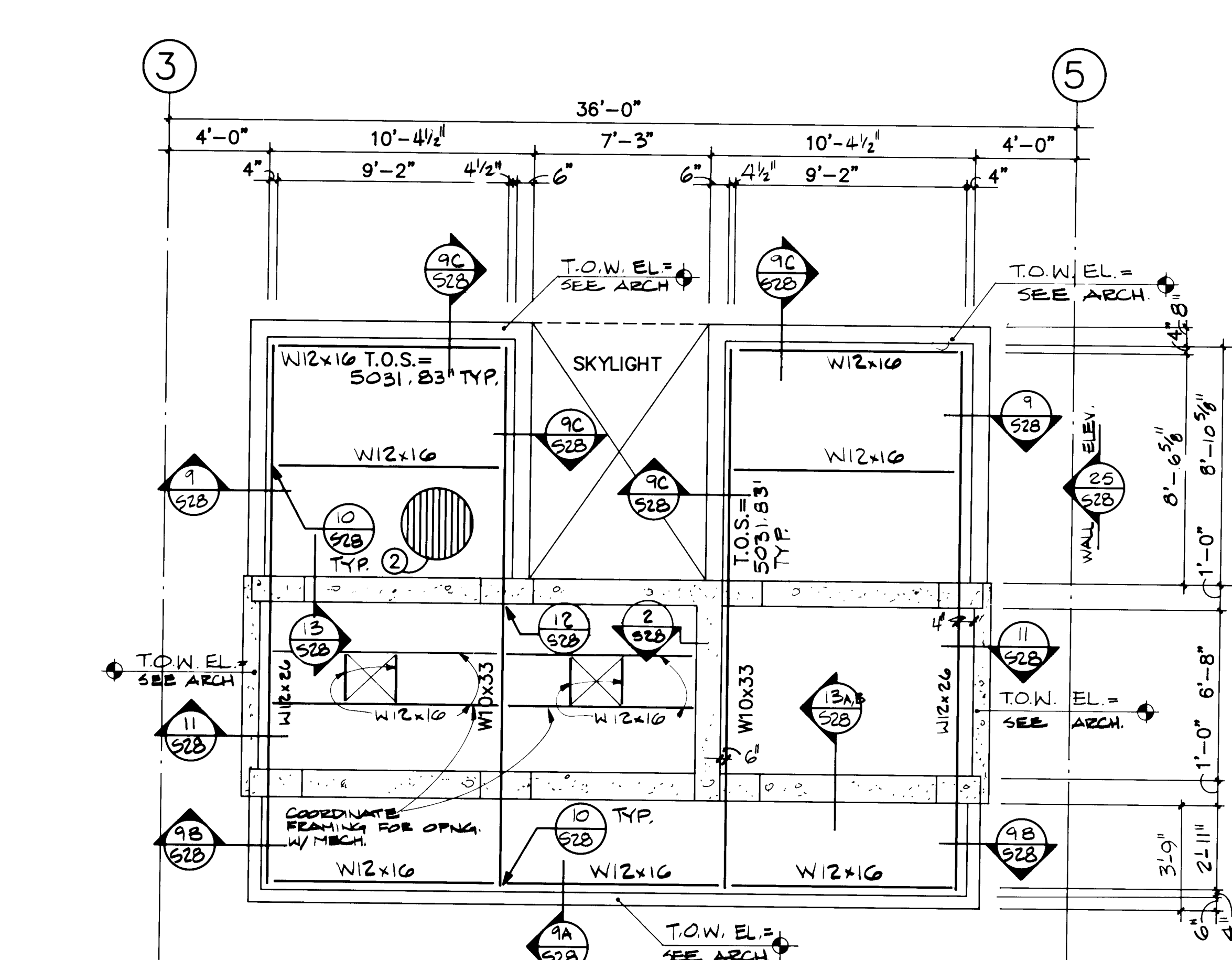
SOUTH STAIR - LOW ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



SOUTH STAIR - FOUNDATION & GROUND LEVEL PLAN
SCALE: 1/4"=1'-0"

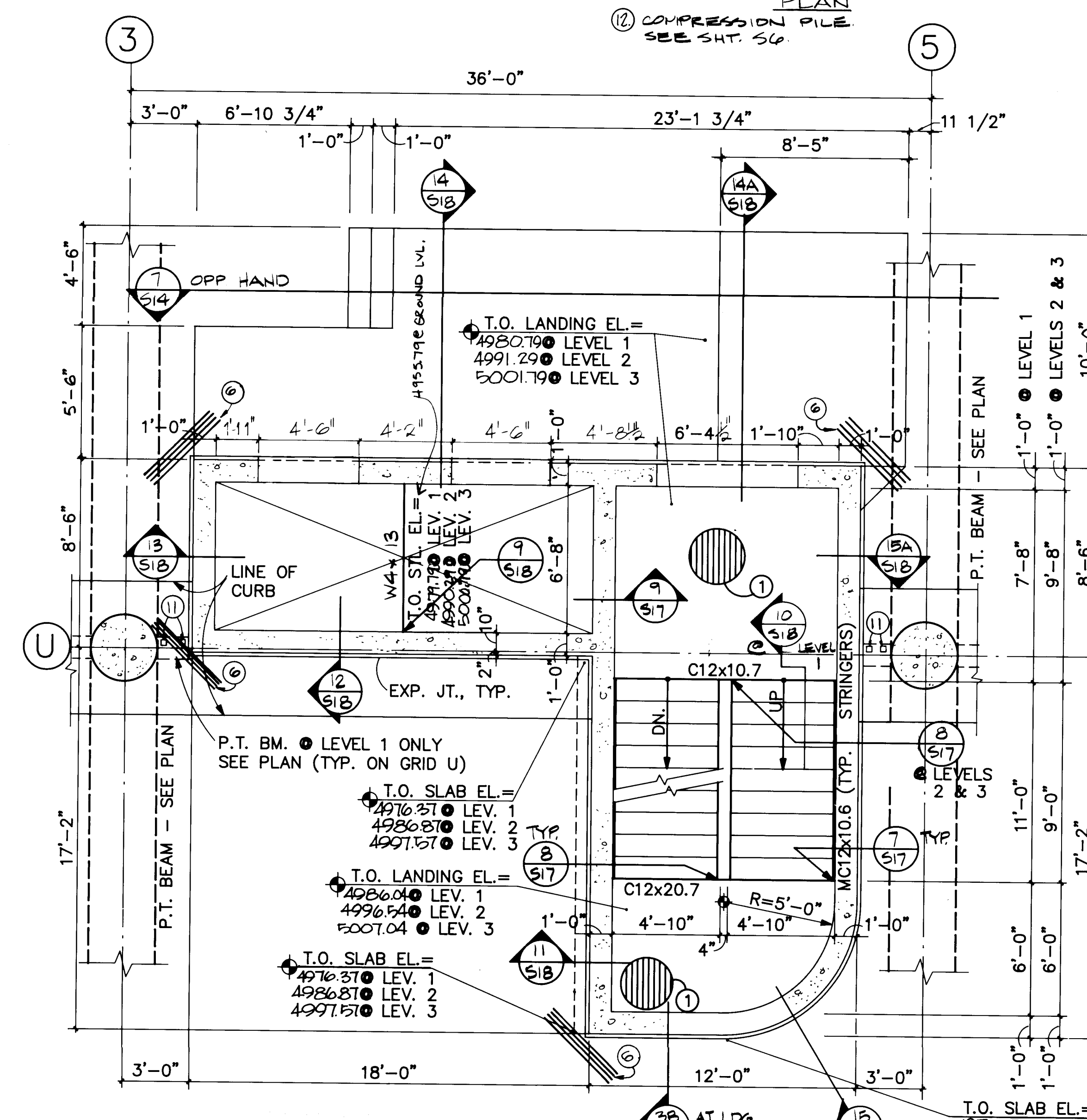


SOUTH STAIR - INTERMEDIATE LANDING FRAMING PLAN
SCALE: 1/4"=1'-0"



SOUTH STAIR - HIGH ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

- KEYED NOTES:**
- 4" FIBER REINFORCED CONCRETE ON 1/2" W2 FLOOR GALV METAL DECK, 21 GA. WELD DECK TO SUPPORTS W/ 1/2" DIAMETER PUDDLE WELDS AS FOLLOWS: 4 WELDS PER SHEET TO SUPPORTS PERPENDICULAR TO RIBS AND AT 12" O.C. TO SUPPORTS PARALLEL TO RIBS. BUTT PUNCH SIDE LAPS AT 36" O.C.
 - 1-5/16" X 20 GA. GALV. VENTLOCK METAL DECK W/ INSULATING CONCRETE. WELD DECK TO SUPPORTS W/ 1/2" PUDDLE WELDS AS FOLLOWS: 5 WELDS PER SHEET TO SUPPORTS PERPENDICULAR TO RIBS, AS FOLLOWS: 1. WELDS TO SUPPORTS PARALLEL TO RIBS, AND AT 12" O.C. TO SUPPORTS PARALLEL TO RIBS.
 - ELEVATOR BEAMS AND BEARING PLATES BY ELEVATOR MFG. BEARING ELEVATION = 5027.29. COORDINATE BEAMS, BEARING PLATES & ELEVATORS WITH MANUFACTURER. SUBMIT DESIGN CALCULATIONS AND DETAILS FOR BEAM CONNECTIONS AND BEARING PLATES.
 - CONTRACTOR VERIFY DIMENSIONS WITH ELEVATOR MANUFACTURER.
 - ELEVATOR MACHINE FOUNDATION AND ANCHOR BOLTS. ANCHOR BOLTS SHALL BE IN PLACE BEFORE POURING MACHINE FOUNDATION. COORDINATE WITH ELEVATOR MANUFACTURER. ANCHOR BOLTS PUNCH-SHED BY ELEVATOR MANUFACTURER.
 - 4-#4 X 4'-0" IN P.T. SLAB @ 6" O.C. T.E.B., TYP. AT EACH CORNER.
 - 4" SLAB ON GRADE WITH #4 @ 18" O.C. EACH WAY.
 - 5-1/2" SLAB ON GRADE WITH #4 @ 18" O.C. EACH WAY.
 - LEDGER (4x4x1/4") TO LEDGE EL VERIFY W/ ARCH DRAWINGS.
 - WALL OPENING AS PER ELEVATOR MANUFACTURER'S REQUIREMENTS.
 - TS 3x3x1/4" SPACED @ 7" O.C. BASE R & EMBEDDED R AS SHOWN:



SOUTH STAIR - TYP. LEVELS 1, 2, 3 FRAMING PLAN
SCALE: 1/4"=1'-0"

REVISIONS: DATE: AS-BUILT 7-4-90

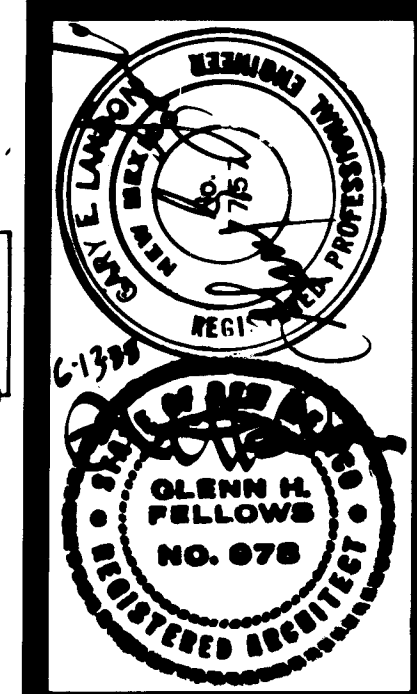
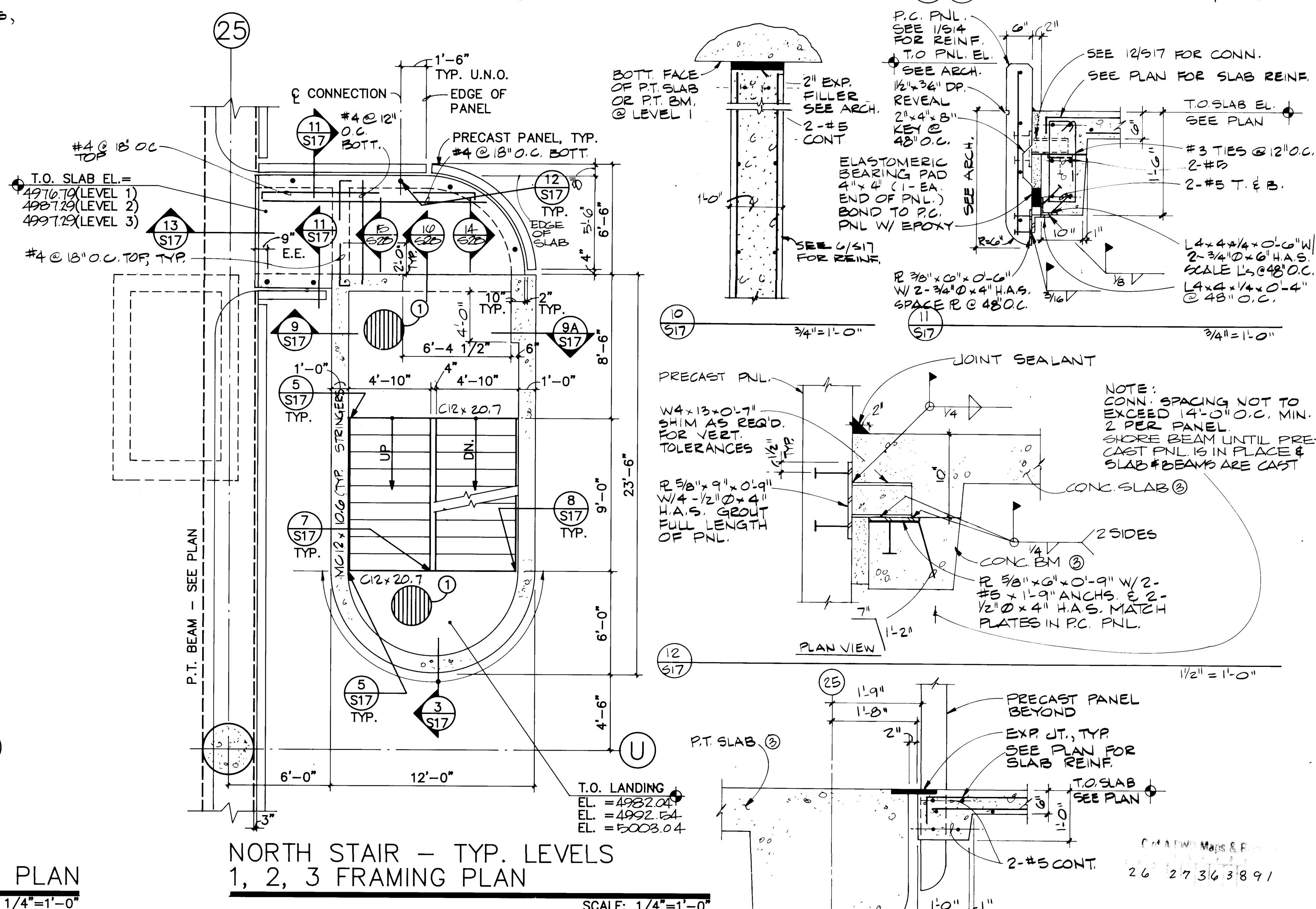
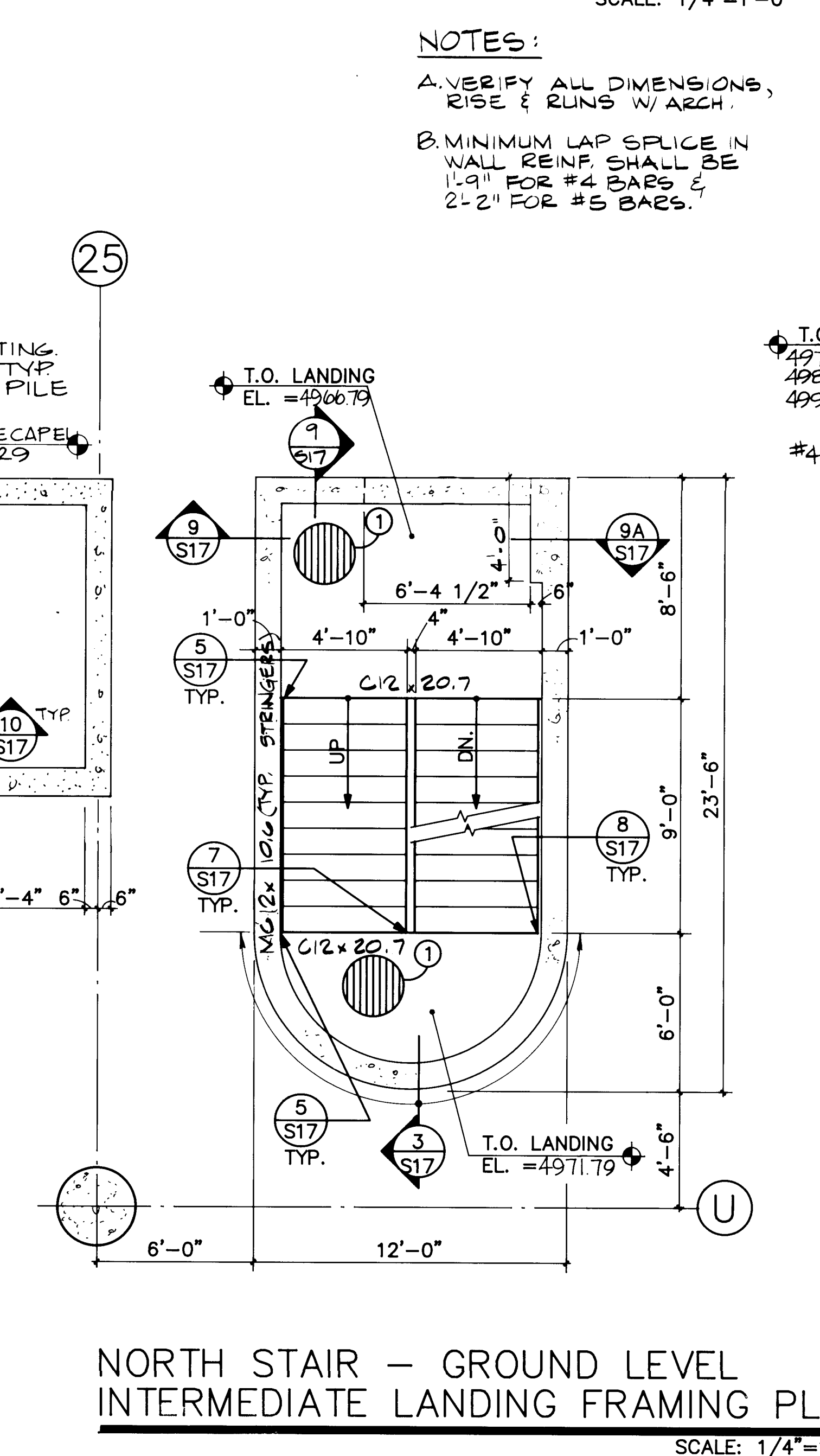
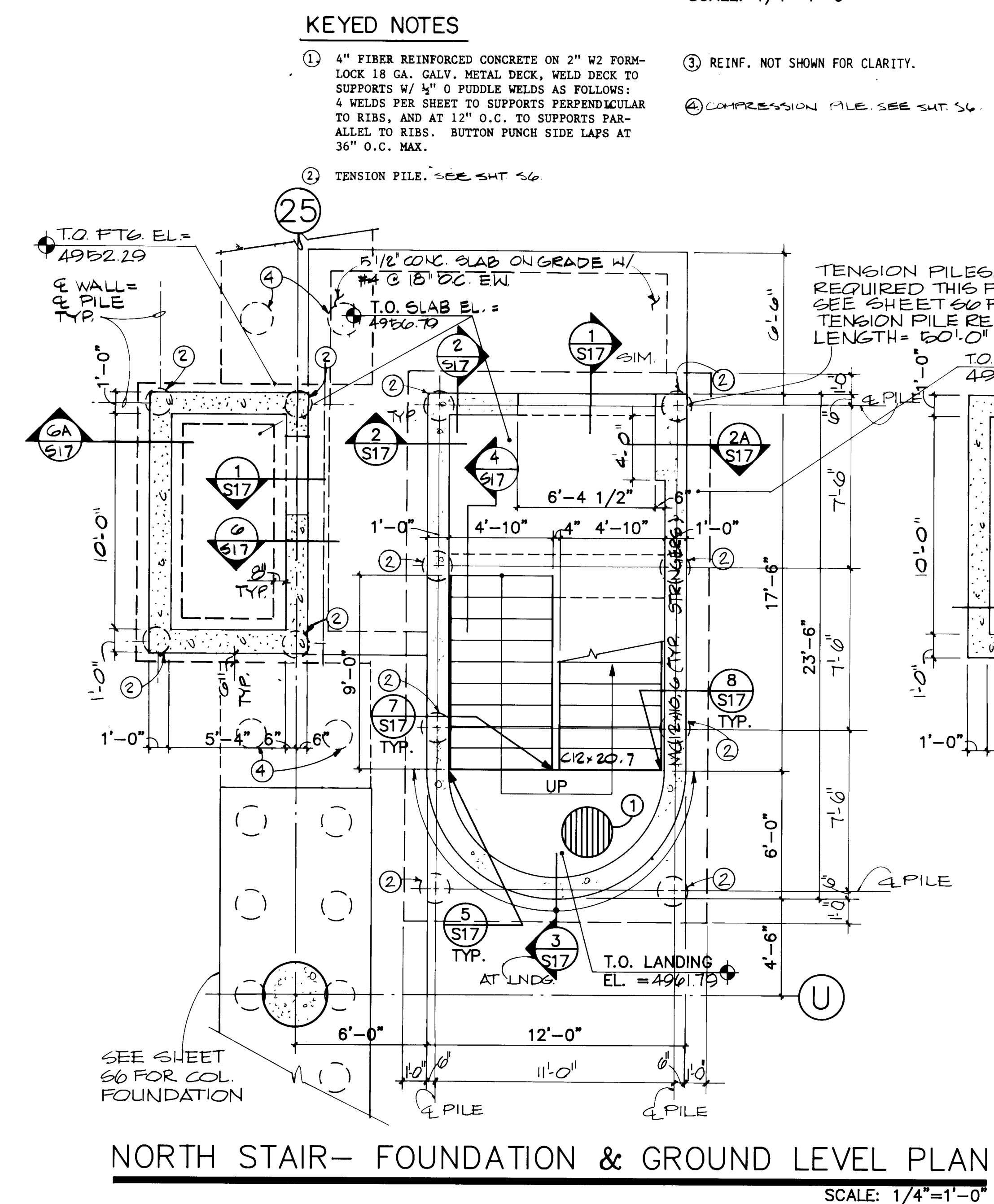
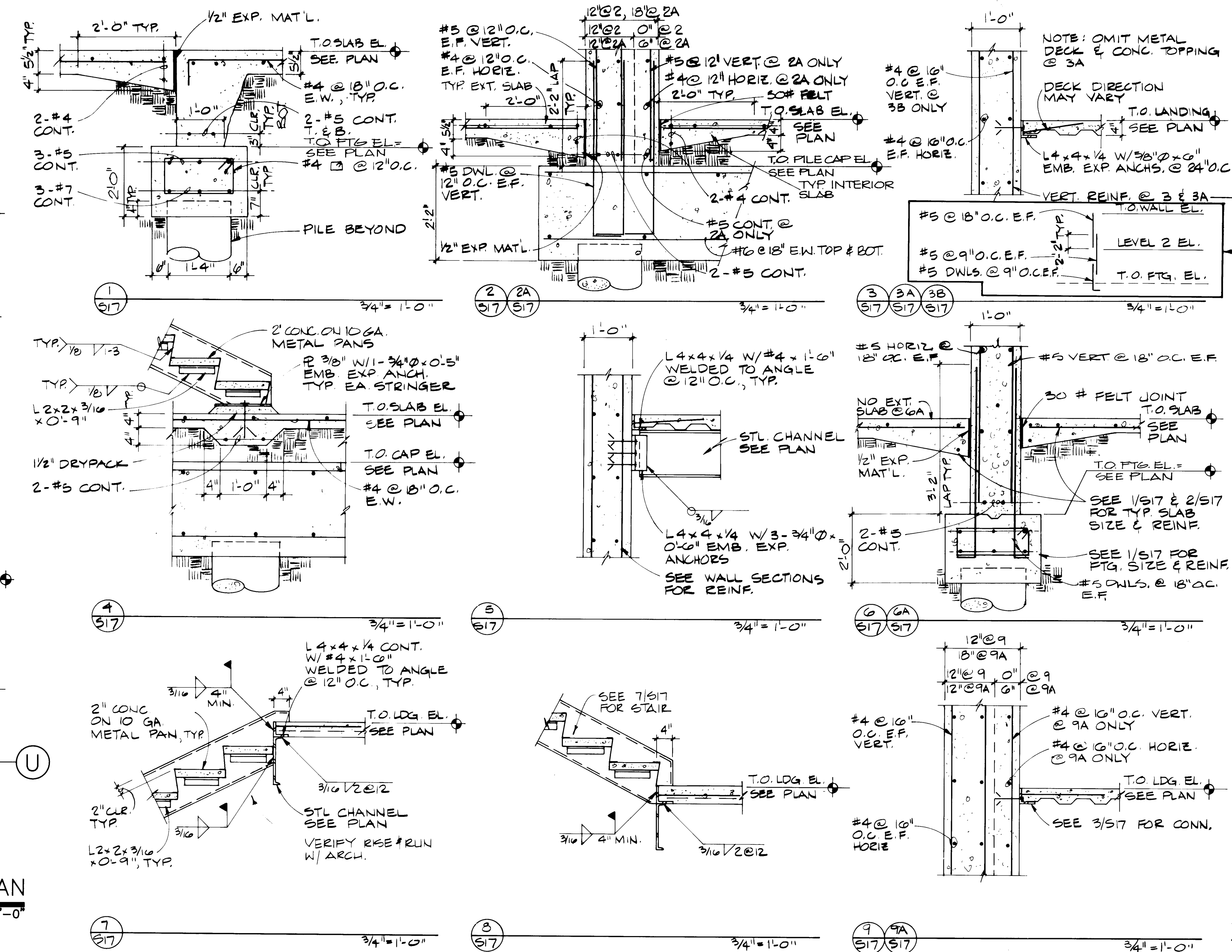
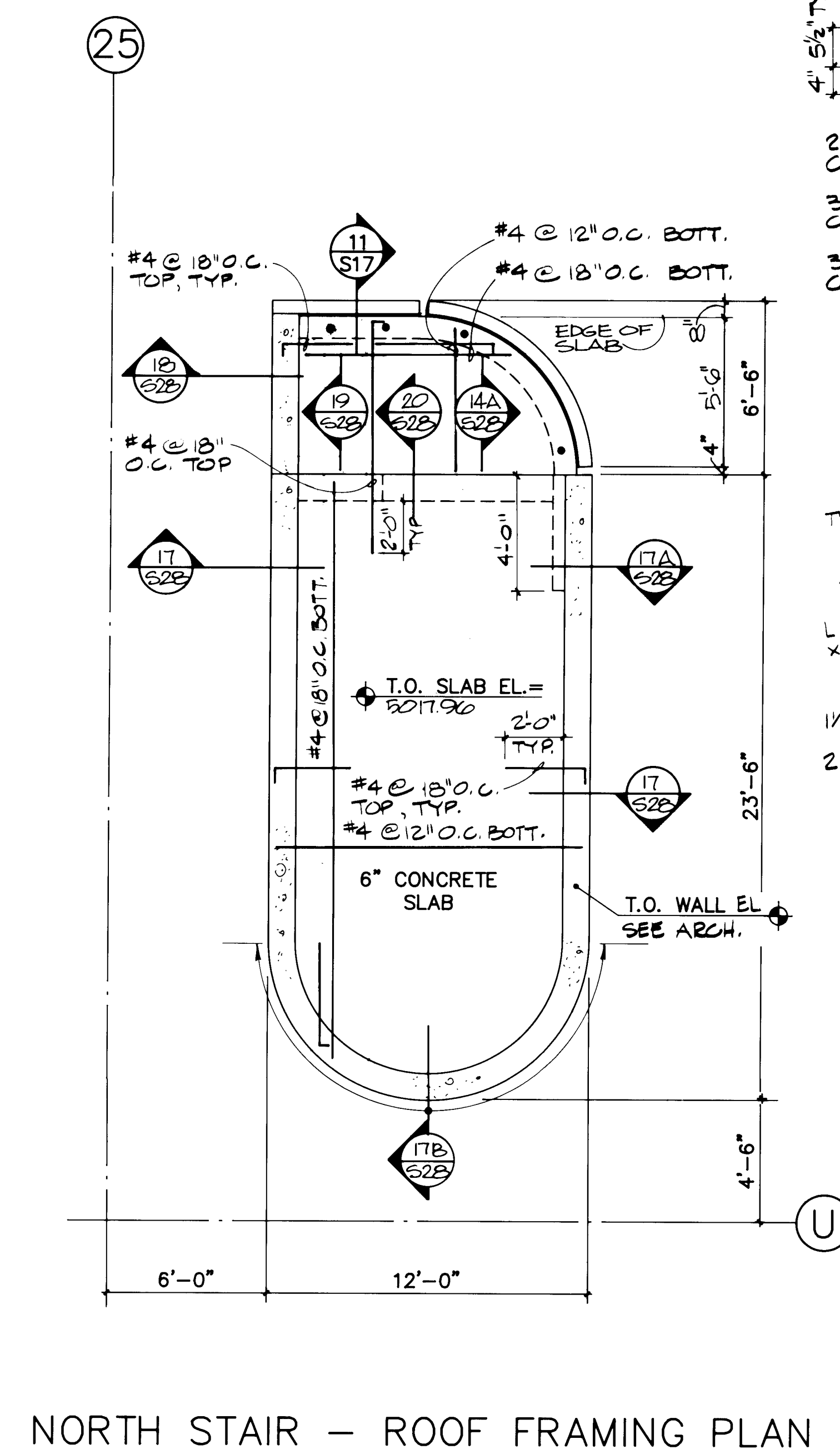
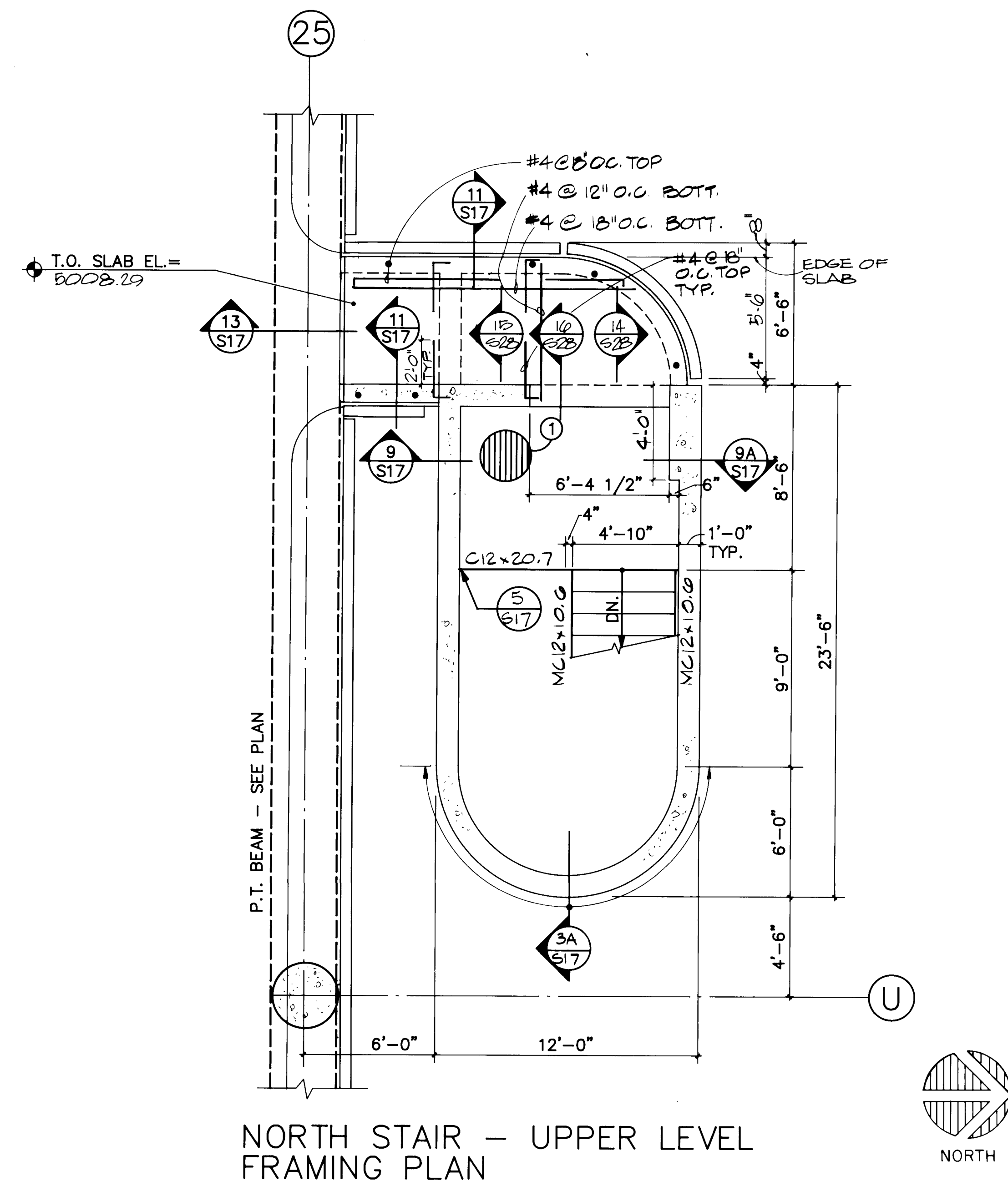
PARKING STRUCTURE SOUTH STAIR ENLARGED FRAMING PLANS

ALBUQUERQUE RENOVATION CONVENTION CENTER EXPANSION

SHEET

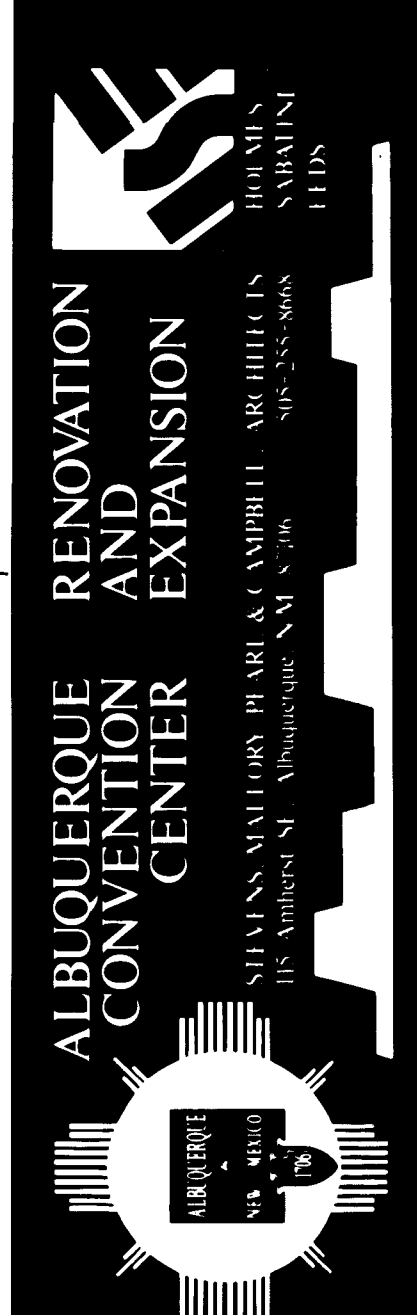
S-16

OF 67



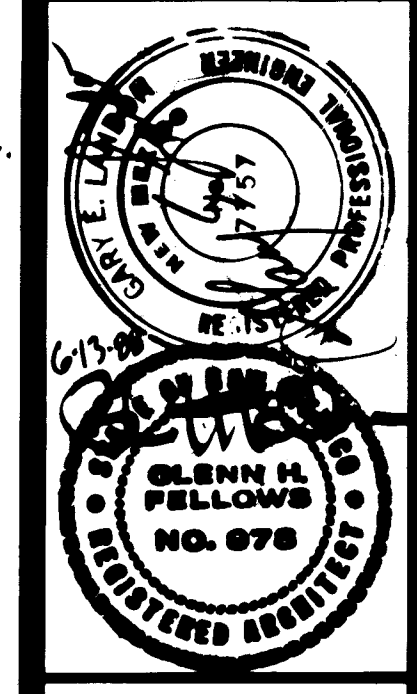
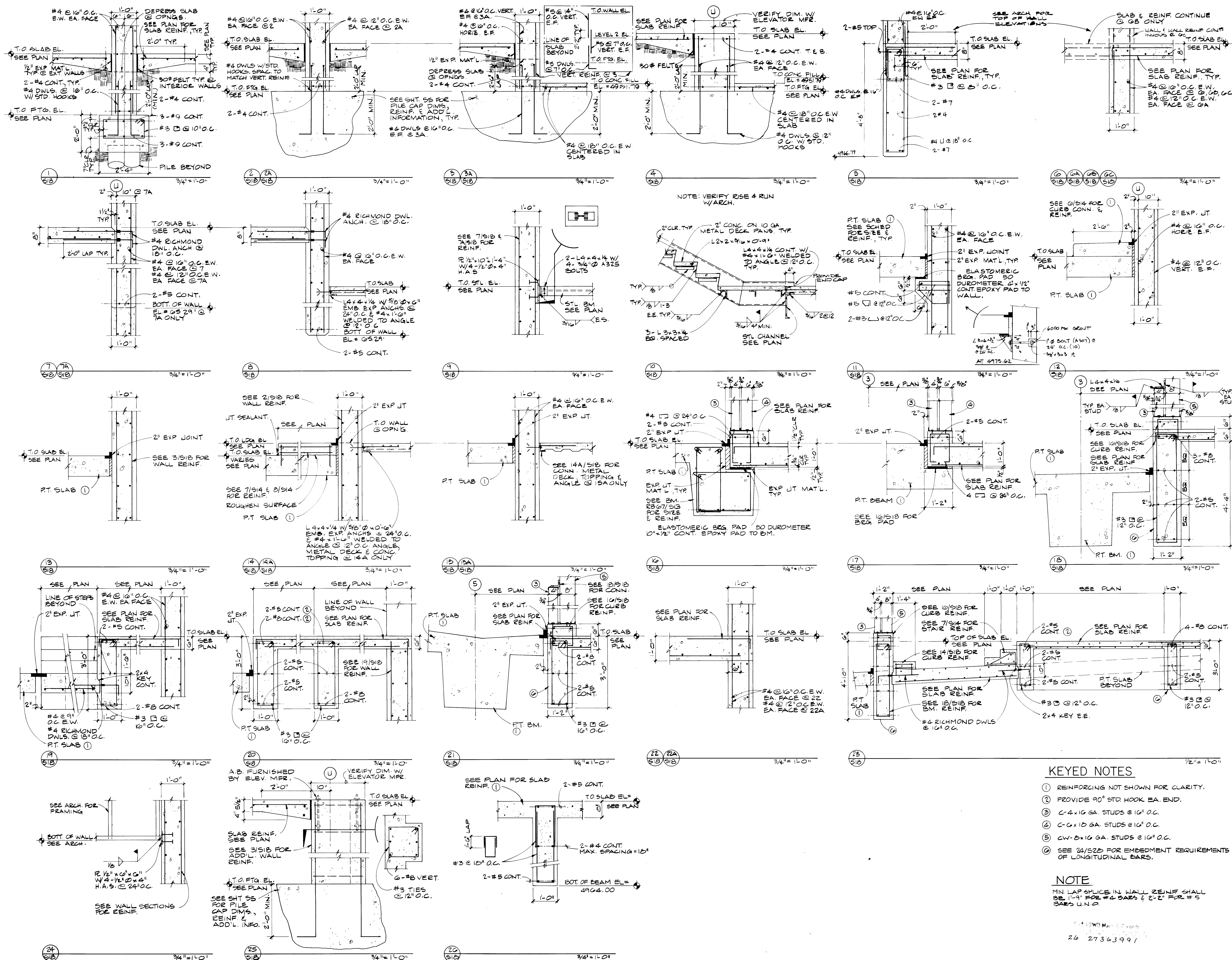
REVISED DATE
AS-BUILT 7-4-90

**PARKING STRUCTURE
NORTH STAIR ENLARGED
FRAMING PLANS AND
DETAILS**



ALBUQUERQUE RENOVATION
CONVENTION CENTER EXPANSION
CENTER

SHEET
S-17
OF 67



REVISION DATE
AS-BUILT 7-4-90

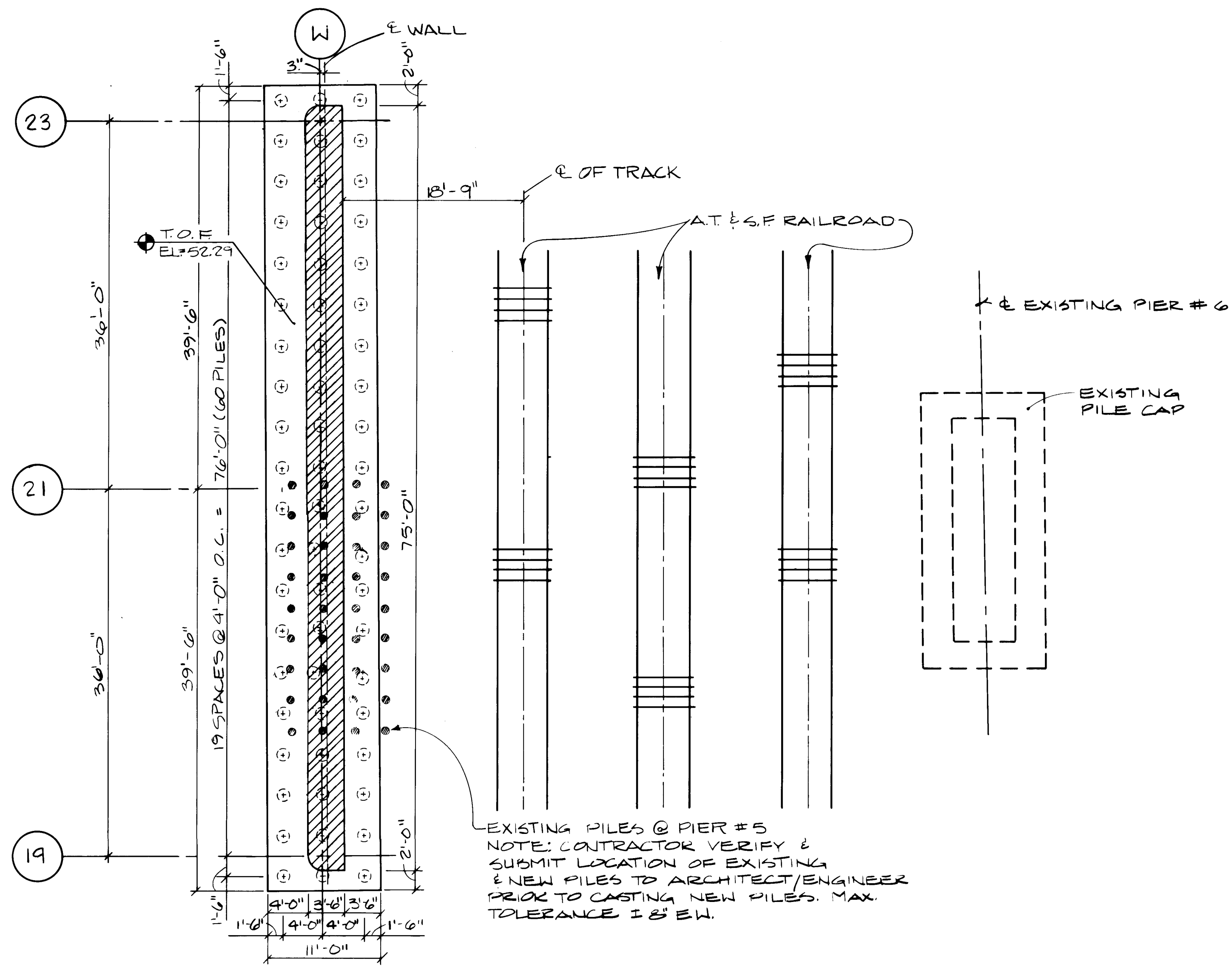
**PARKING STRUCTURE
STAIR DETAILS**

**ALBUQUERQUE
RENOVATION
AND
CONVENTION
CENTER**

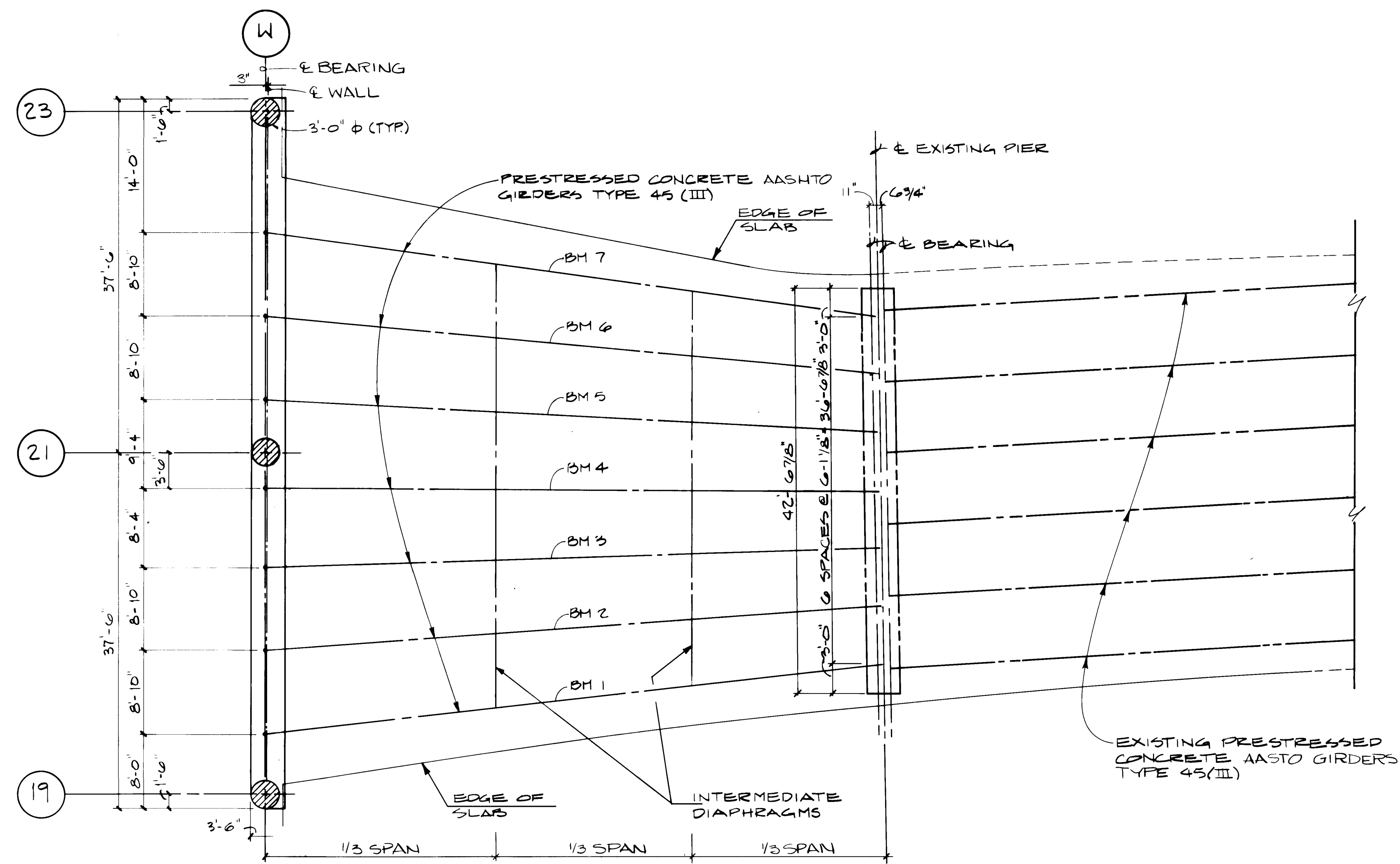


SHEET

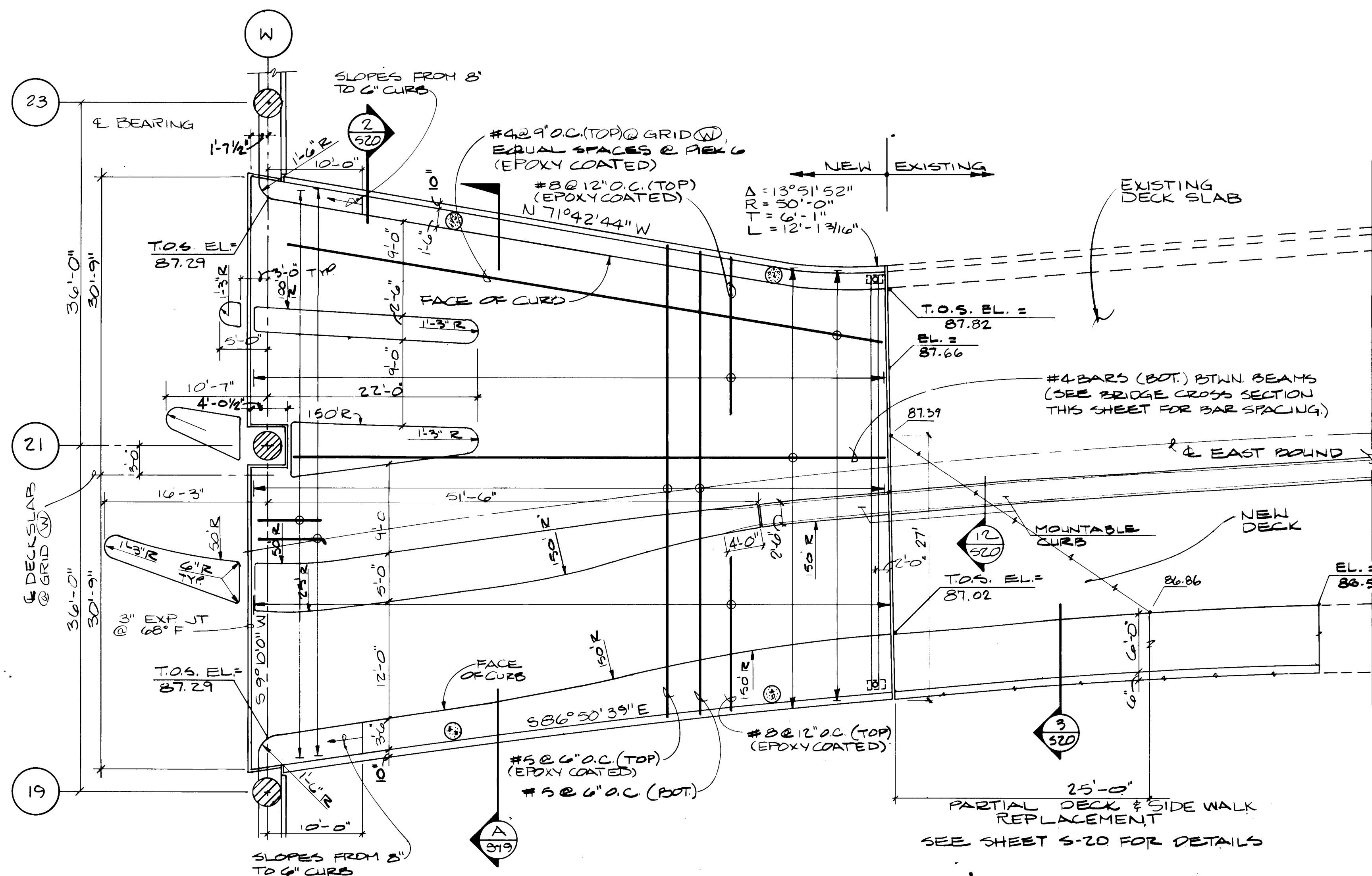
S-18
OF 67



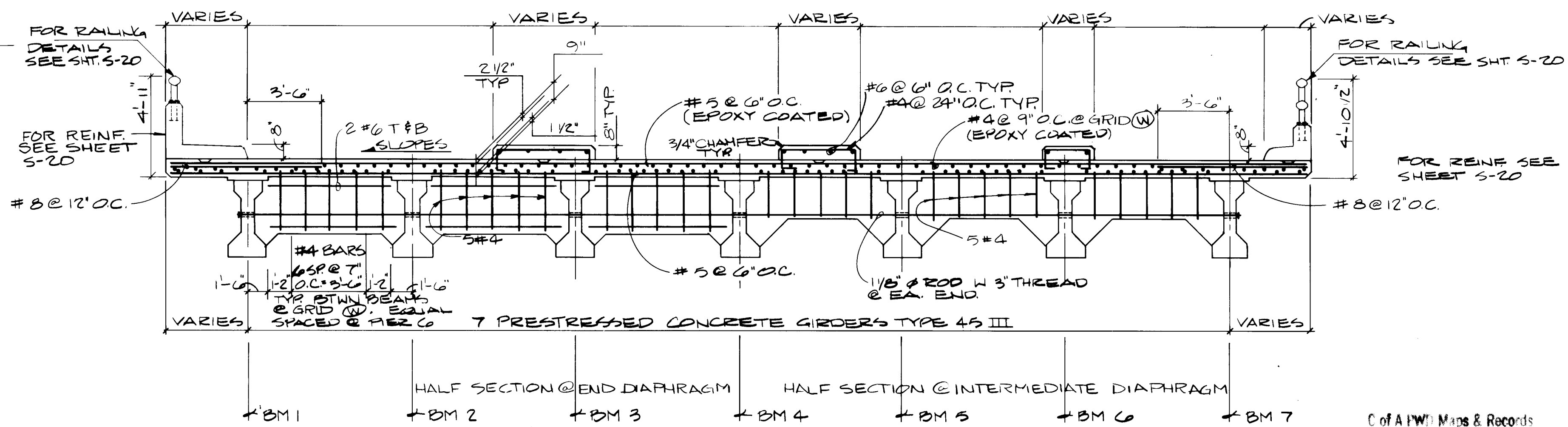
ENTRANCE BRIDGE - FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



ENTRANCE BRIDGE - FRAMING PLAN
SCALE: 1/8" = 1'-0"

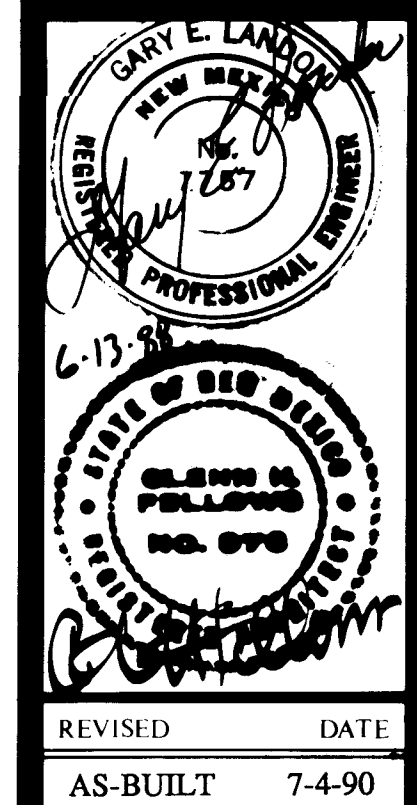


ENTRANCE BRIDGE - SLAB PLAN
SCALE: 1/8" = 1'-0"

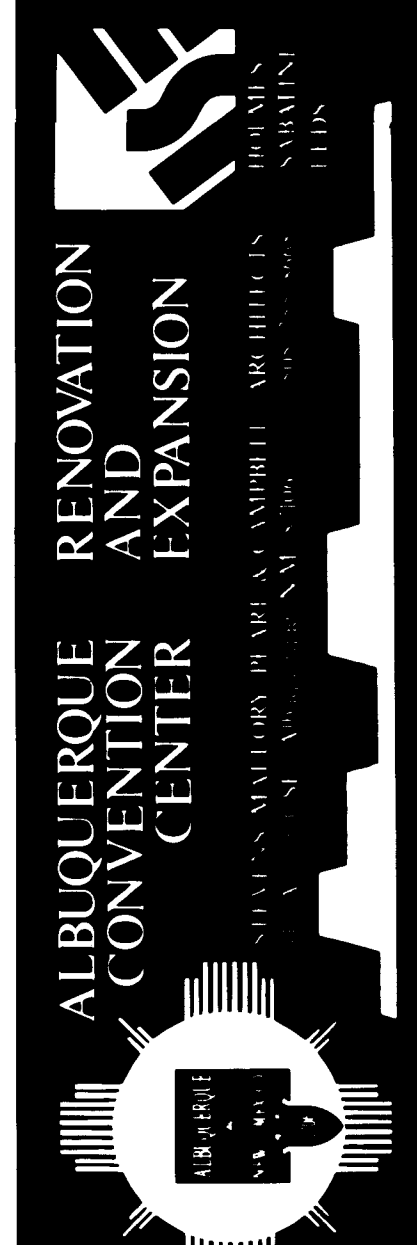


ENTRANCE BRIDGE - CROSS-SECTION A-A
SCALE: 1/4" = 1'-0"

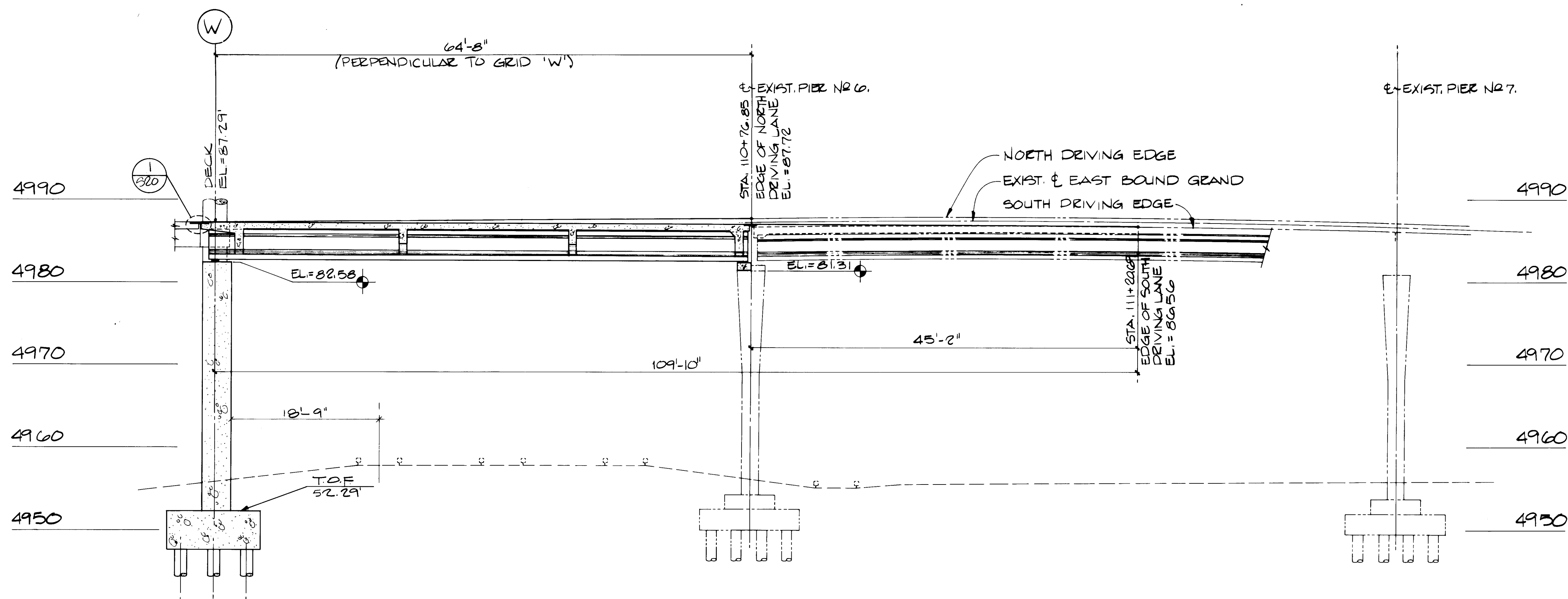
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	DATE	APPROVALS	DATE	APPROVALS	DATE
CITY ENGINEER	5/1/00	LIQUID WASTE	5/1/00		
A.C.E. - DESIGN	5/1/00	TRAFFIC	5/1/00		
A.C.E. - HYDROLOGY	5/1/00	WATER	5/1/00		
DRAWING NO.	2736	MAP NO.	K-14	SHEET	OF



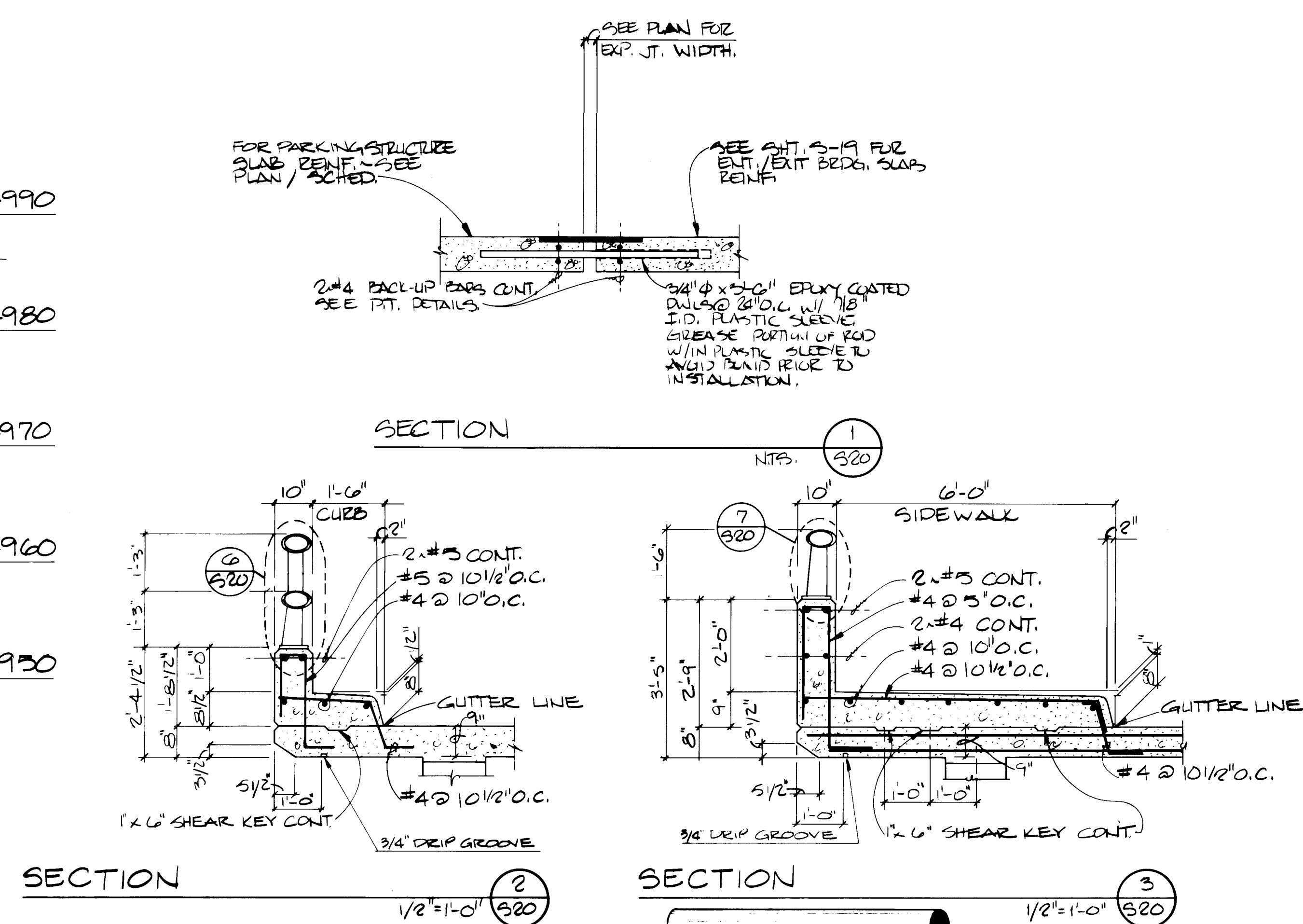
PARKING STRUCTURE
RENOVATION AND
EXPANSION
CONVENT CENTER
ENTRANCE / EXIT BRIDGE
PLANS & SECTION



SHEET
S-19
OF 07

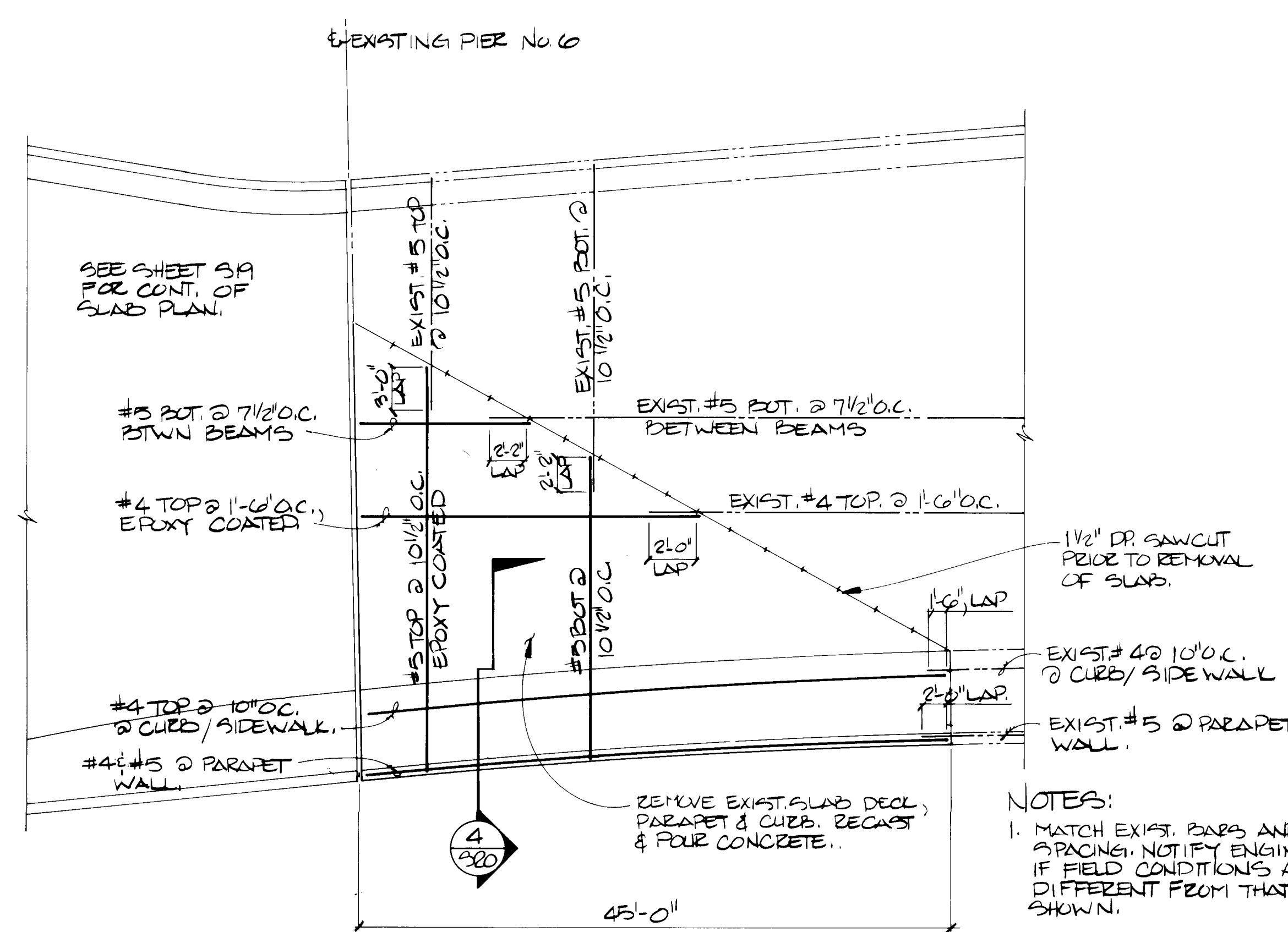


ENTRANCE BRIDGE PROFILE - LOOKING NORTH

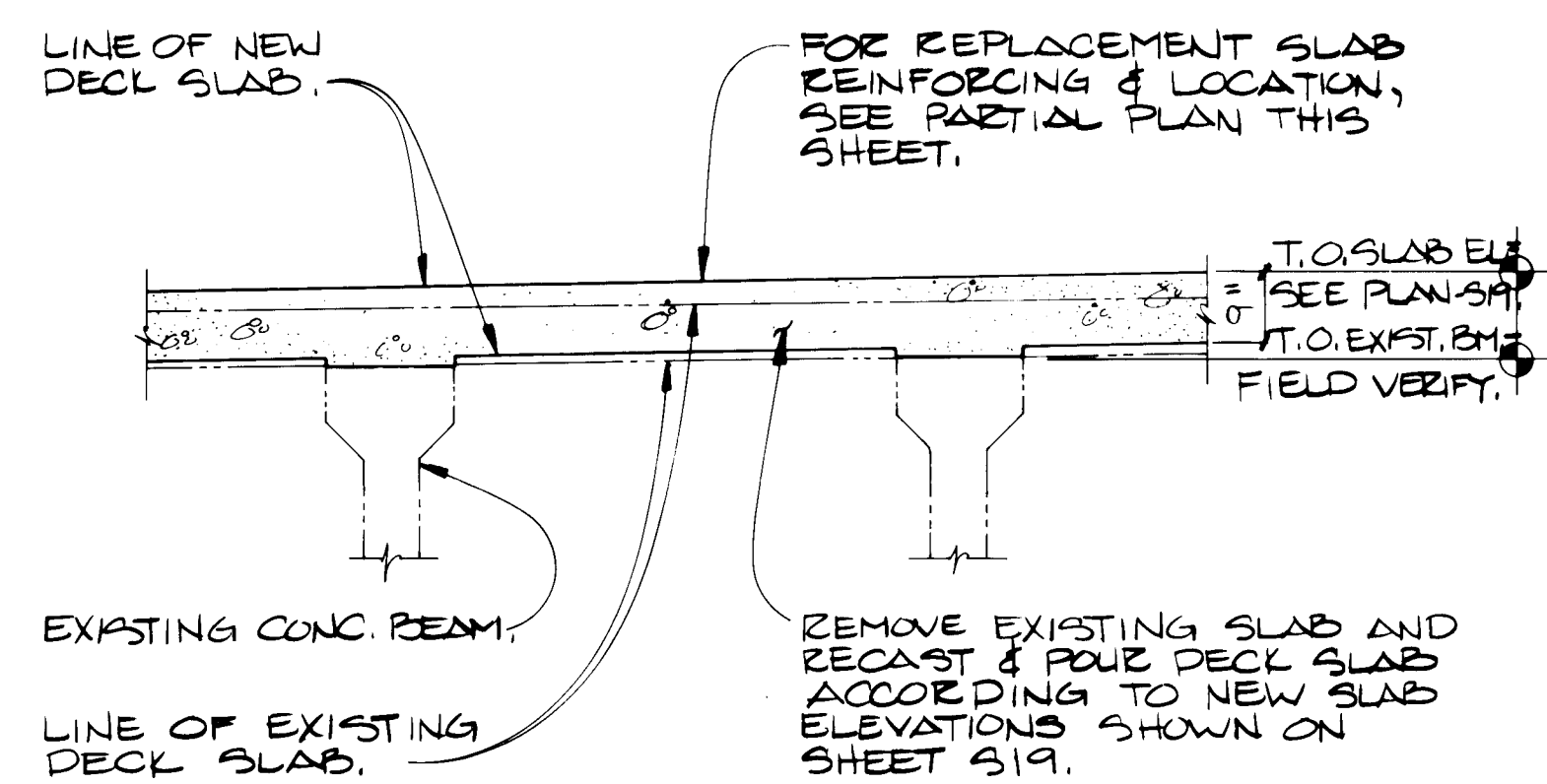


SECTION

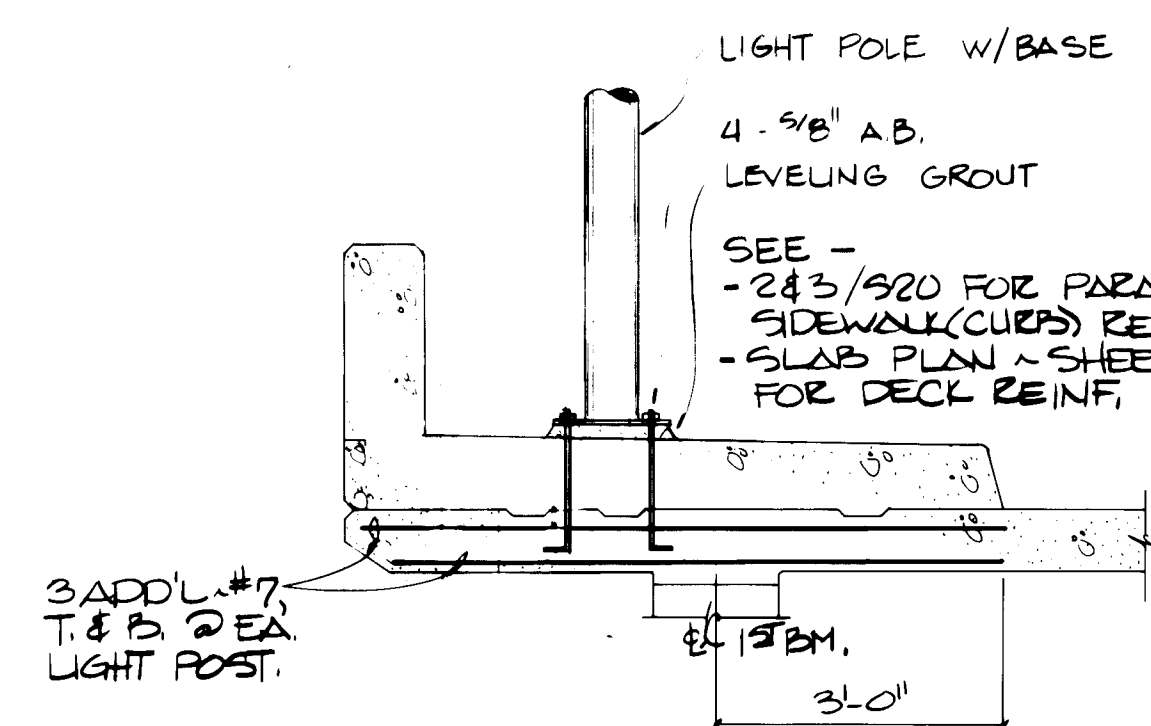
SECTION



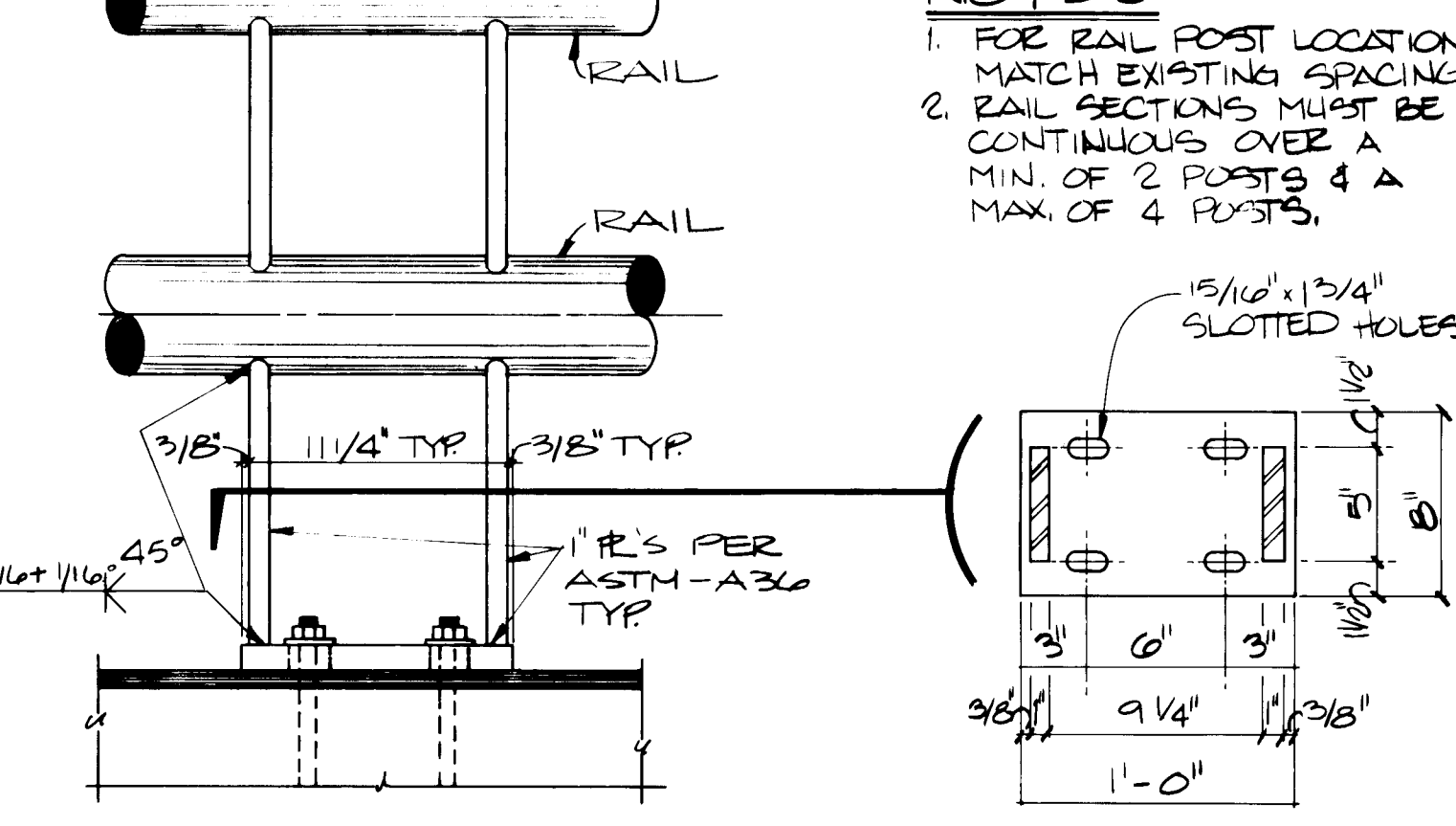
PARTIAL DECK & SIDEWALK REPLACEMENT PLAN



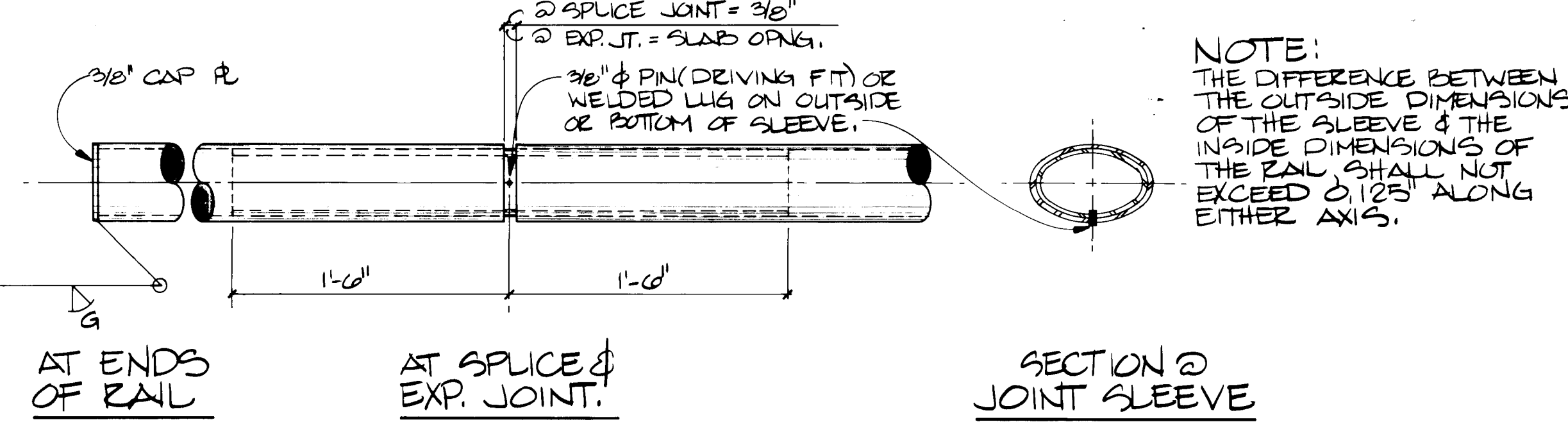
SECTION



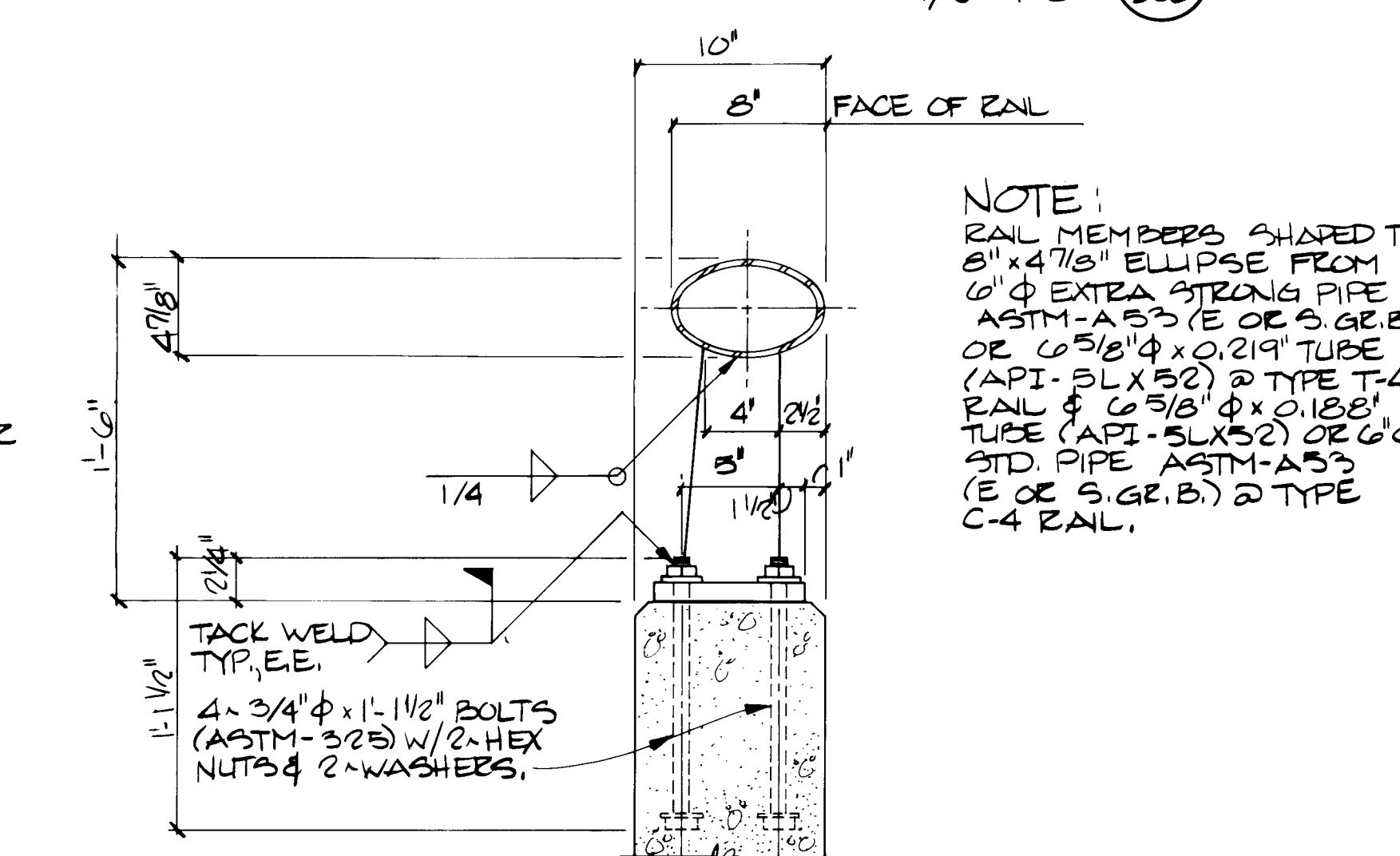
SECTION



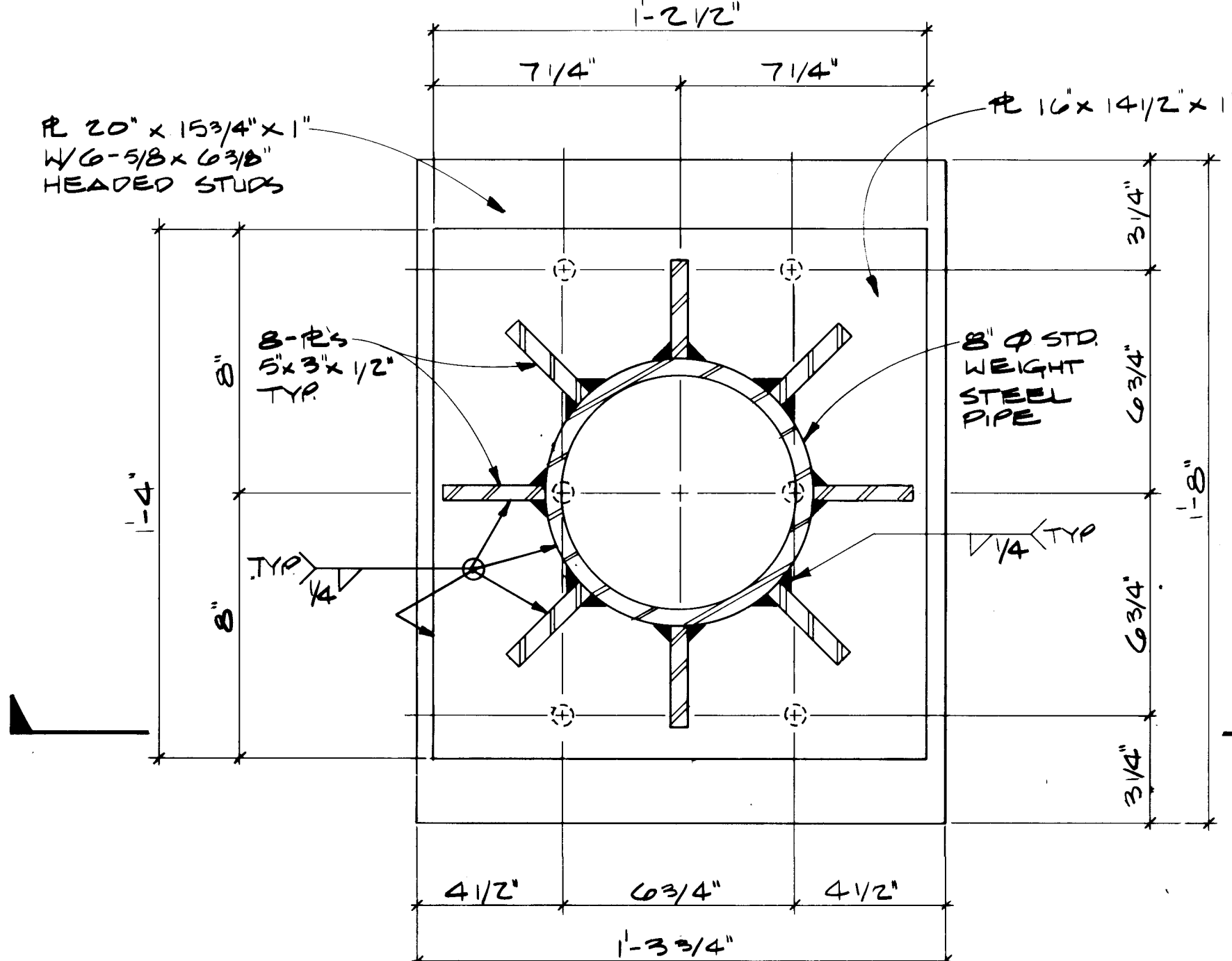
ELEVATION - RAIL POST



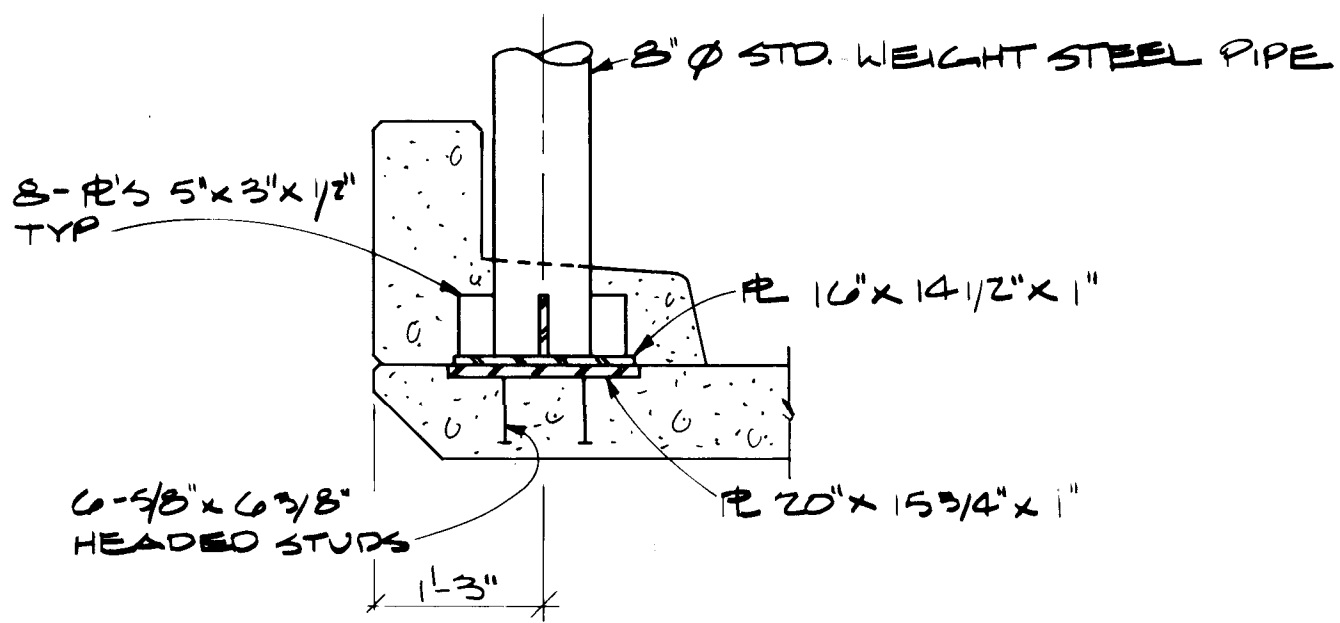
DETAIL - SPLICE / EXPANSION JOINT @ RAIL



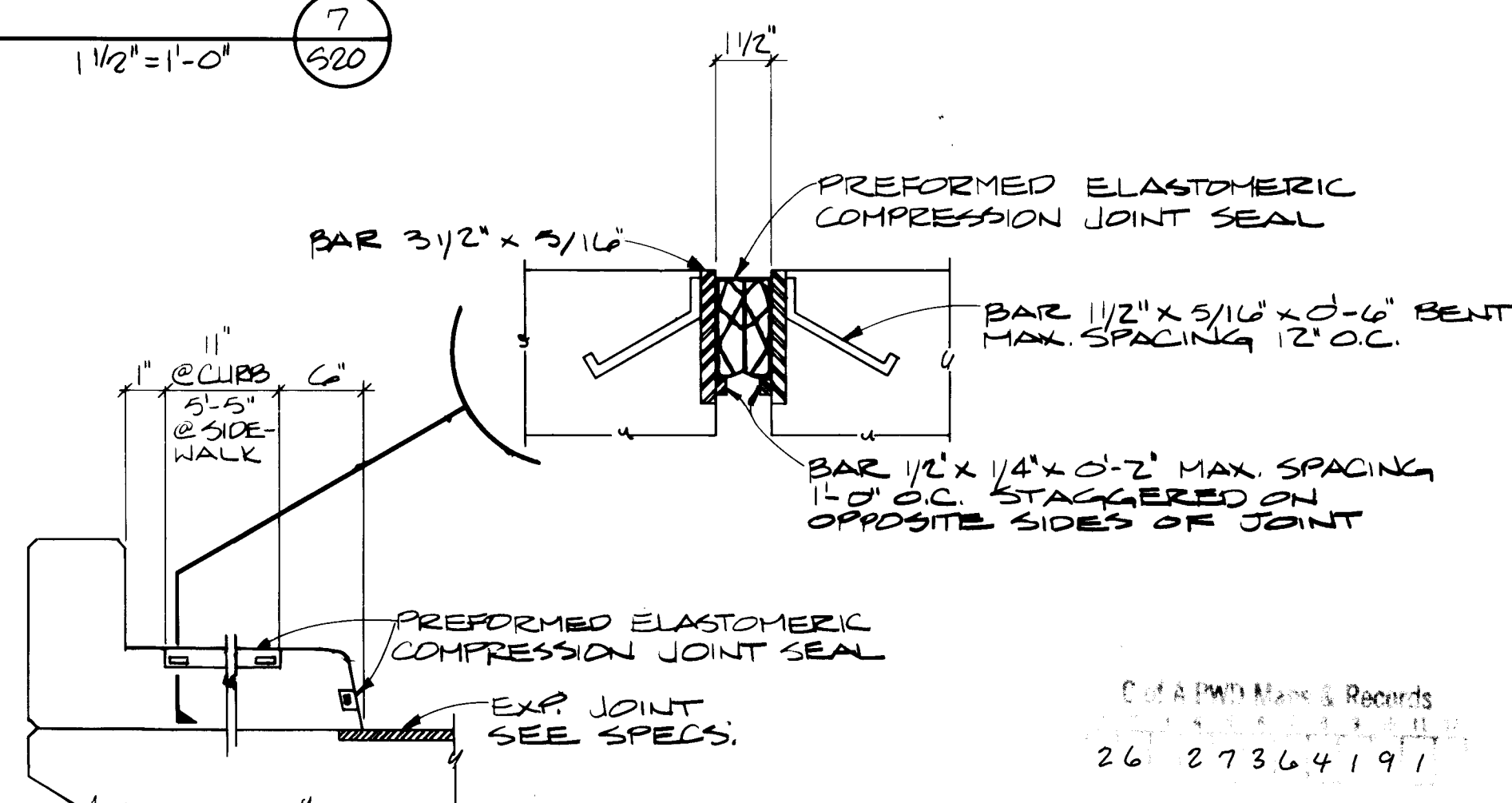
DETAIL



PLAN - SIGN POST SUPPORT

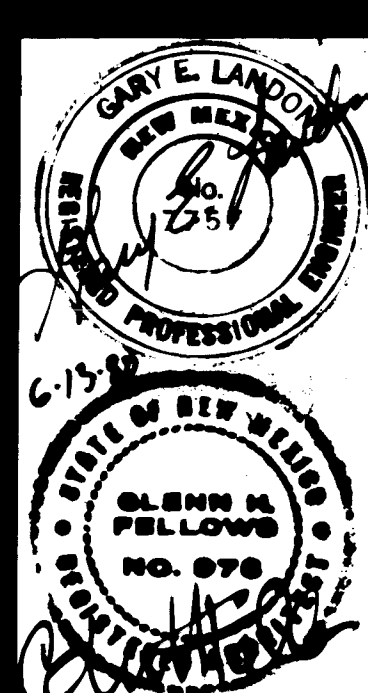


SECTION



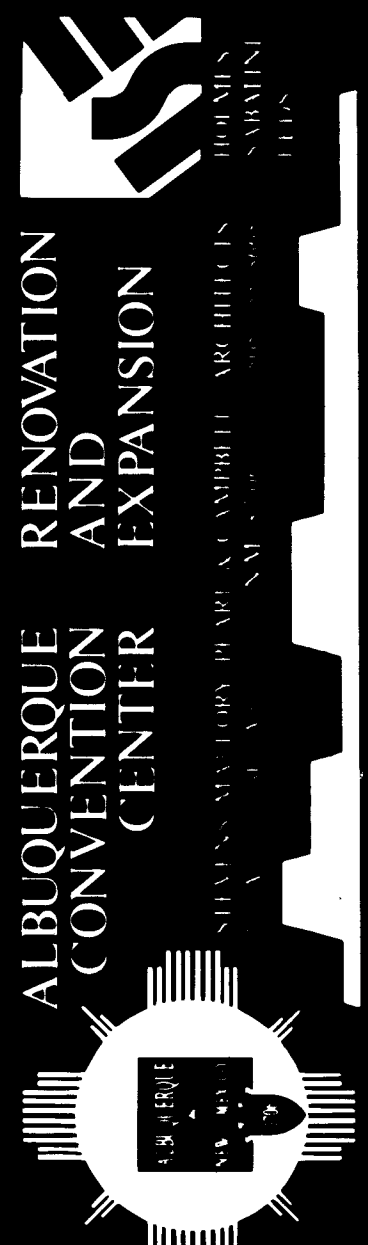
JOINT @ SIDEWALK & CURB SIDE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	ALB	5/1/00	Liquid Waste	ALB	4/1/00
A.C.E. - Design	ALB	5/1/00	Traffic	ALB	7/1/00
A.C.E. - Hydrology	ALB	5/1/00	Water	ALB	4/1/00
DRAWING NO. 2736	MAP NO. K-14		SHEET OF		

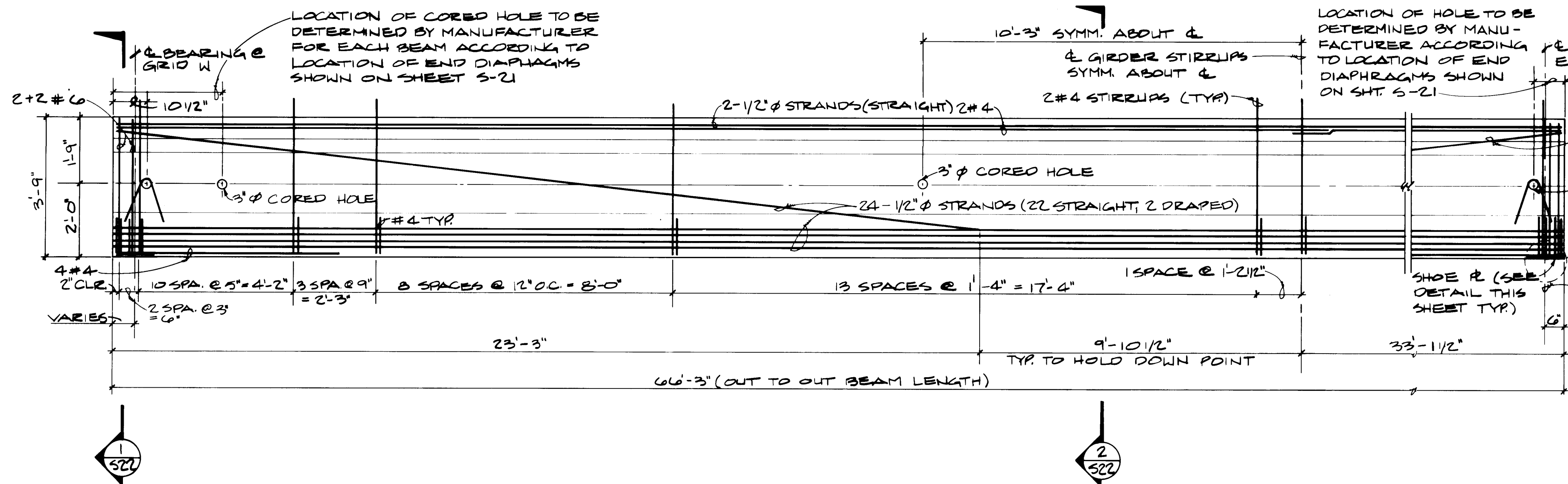


REVISION DATE
AS-BUILT 7-4-90

PARKING STRUCTURE
GRAND AVENUE
ENTRANCE / EXIT BRIDGE
PROFILE & DETAILS



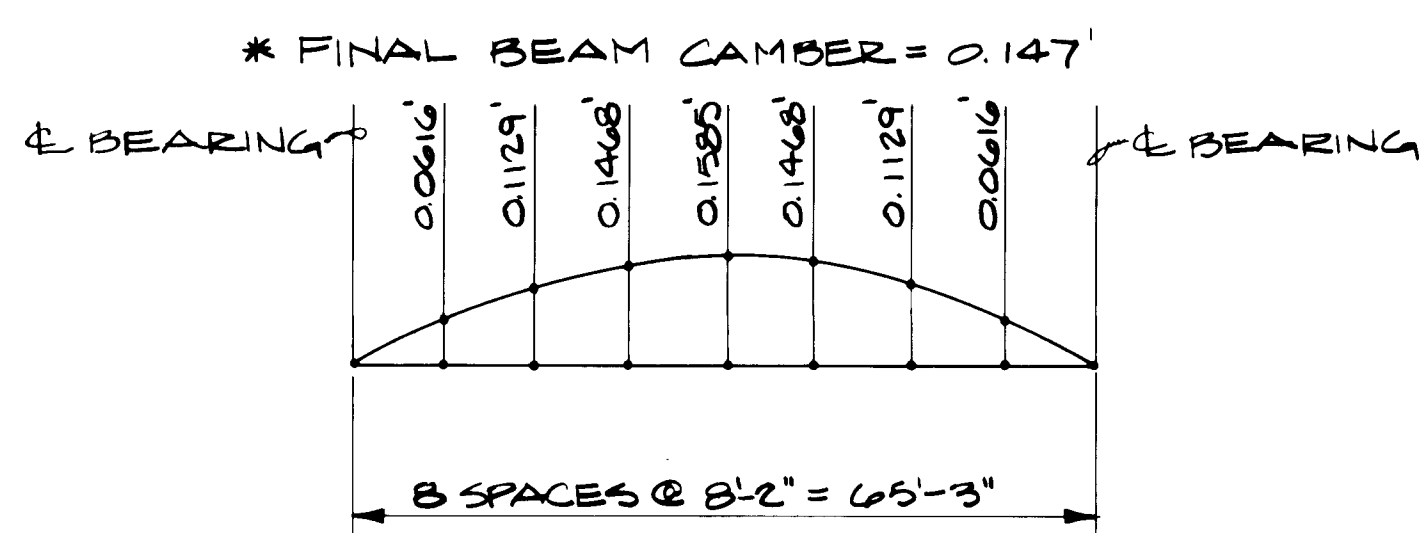
SHEET
S-20
OF 67



BEAM TYPE 45 ELEVATION

REQ'D: 7

1/2" = 1'-0"



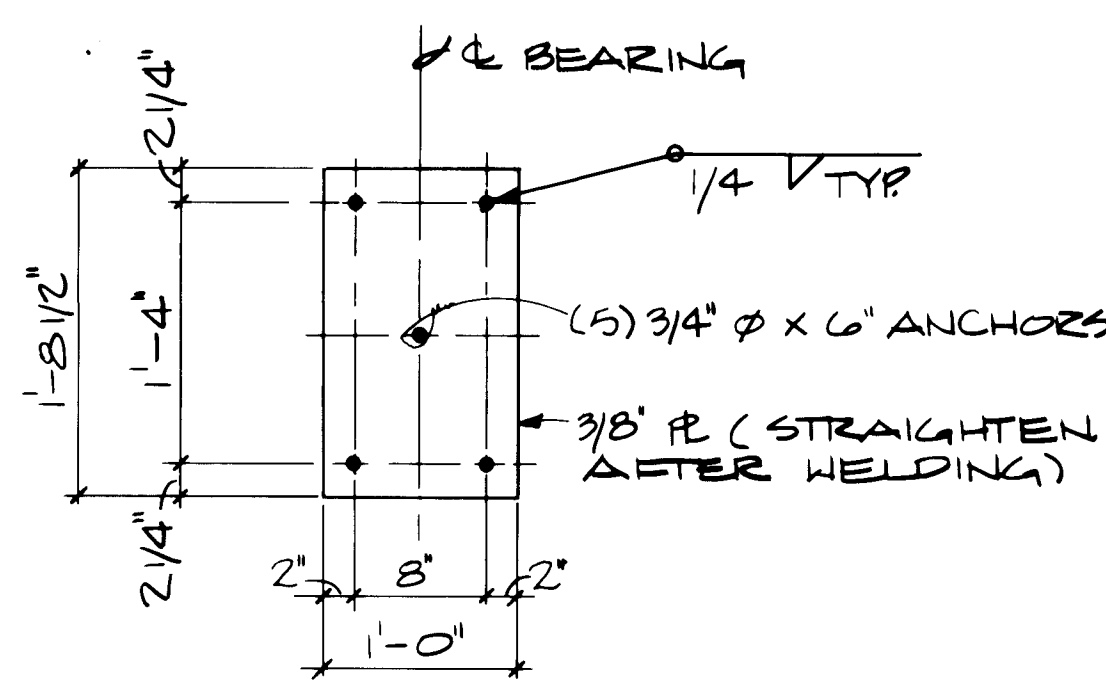
BEAM FOR PLACING CONCRETE DECK

N.T.S.

1. AFTER BEAMS ARE IN PLACE AND BEFORE SCREEDS ARE SET, A PROFILE SHALL BE TAKEN ALONG THE TOP OF EACH BEAM. ANY ADJUSTMENT IN ELEVATION WILL BE TAKEN UP IN THE HAUNCH DIRECTLY ABOVE THE BEAM.
2. TO COMPENSATE FOR DEAD LOAD DEFLECTION DUE TO WEIGHT OF SLAB AND SUPERIMPOSED DEAD LOAD, SET SCREEDS ABOVE TOP OF CONCRETE SLAB BY DIMENSIONS SHOWN.

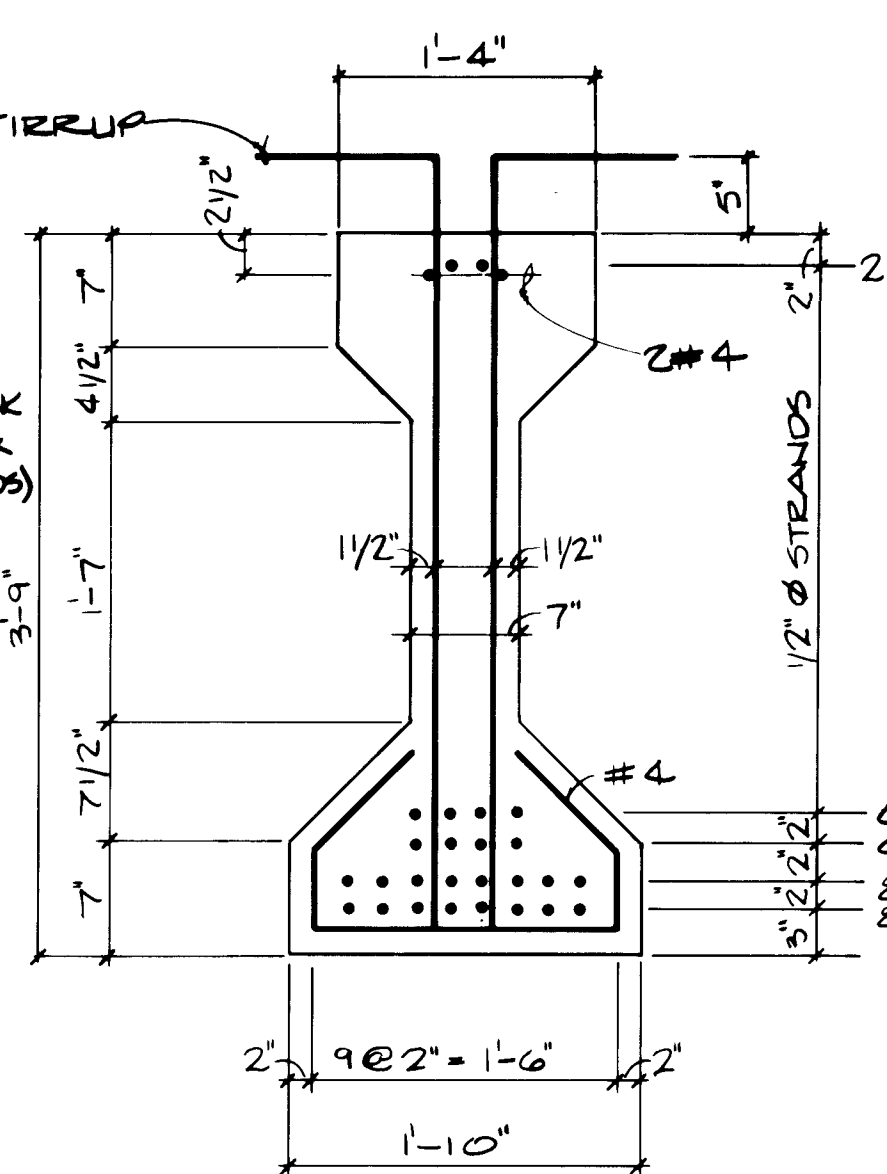
*FINAL BEAM CAMBER (PRESTRESSED CAMBER MINUS BEAM DEAD LOAD DEFLECTION)

(DEFLECTIONS IN FEET)



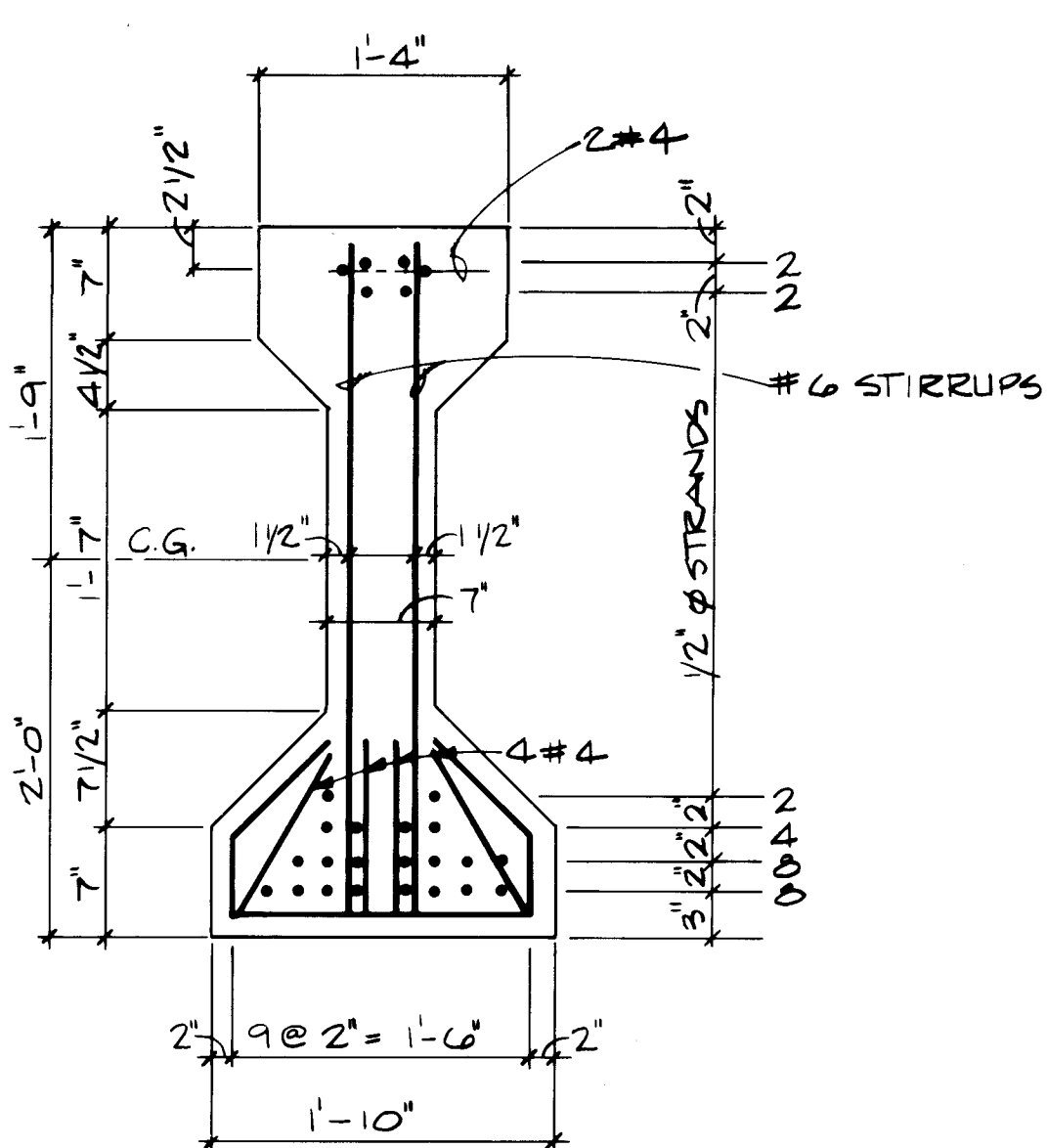
SHOE PLATE DETAIL

1" = 1'-0"



SECTION 2

1" = 1'-0"



SECTION 1

1" = 1'-0"

BEAM NOTES:

1. ALL EXPOSED CORNERS SHALL BE CHAMFERED 1/4" OR ROUNDED TO 3/4" RADIUS. ANGLES OF INTERSECTION BETWEEN FLANGES AND WEBS SHALL BE ROUNDED TO NOT LESS THAN 3/4" RADIUS.
2. STIRRUPS MAY BE WELDED INTO A CAGE AT THE FABRICATORS OPTIONS.
3. SHOE PLATE MUST BE STRAIGHTENED PRIOR TO CASTING INTO BEAM.
4. BEAMS SHALL BE LIFTED WITH DEVICES SATISFACTORY TO THE ENGINEER, INSERTED THROUGH THE 3" DIA. PIPE AT THE BEAM ENDS. ALTERNATE LIFTING DEVICES MUST BE APPROVED BY THE ENGINEER PRIOR TO USE. BEAMS SHALL BE CAP, LIFTED, STORED, HAULED AND UNINSTALLED IN AN UPRIGHT POSITION.
5. IF CONTRACTOR CHOOSES TO USE UNCOATED SEVEN-WIRE STRESS-RELIEVED STRANDS HAVING PROPERTIES OTHER THAN THOSE SHOWN IN DESIGN DATA, REVISED DETAILS SHOWING NUMBER AND ARRANGEMENT OF STRANDS SHALL BE SUBMITTED TO THE ENGINEER.
6. THE TOP SURFACE OF THE BEAM IS TO BE THOROUGHLY WIRE BRUSHED AND SCORED TRANSVERSELY AFTER INITIAL SET. (MINIMUM DEPTH 1/4" ENTIRE FLANGE WIDTH.)
7. TYPE III CEMENT MAY BE USED AT THE FABRICATORS OPTION.

DESIGN DATA:

INITIAL PRESTRESS 30,380#/STRAND, f'_{cs} 41,300# PER STRAND.
COMPUTED PRESTRESS LOSS = 8,496#/STRAND.

DESIGN BASED ON PRETENSIONED BEAMS WITH 1/2" DIAMETER LOW RELAXATION HIGH-TENSILE STRENGTH SEVEN-WIRE STEEL STRAND. MINIMUM YIELD = 35,100#/STRAND.

DESIGN STRESSES: f'_{cs} = 5000#/ sq. in. , MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF PRESTRESSING, f'_{ci} = 4500#/ sq. in.

DESIGN ACCORDING TO A.A.S.H.T.O. SPECIFICATIONS, 1963 EDITION, 1986 INTERIM.

FOR REINFORCING BARS: f_s 20,000#/ sq. in. , f_y = 40,000#/ sq. in. GRADE 40

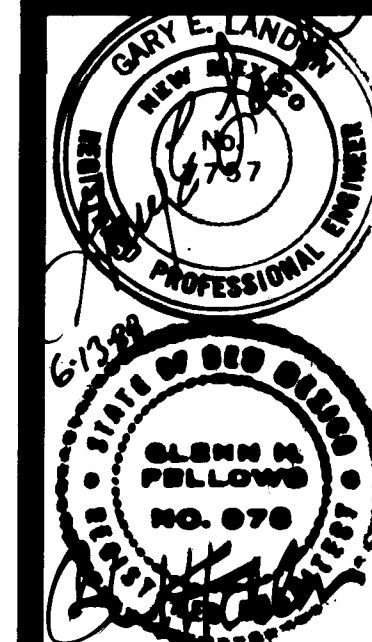
DESIGN PROVIDES FOR 20#/ sq. ft. FUTURE WEARING SURFACE.

LIVE LOAD: HS 20-44

NOTE: BEAM CAMBER IS THE COMPUTED NET UPWARD DEFLECTION @ E OF BEAM DUE TO PRESTRESSING WITH WEIGHT OF BEAM ACTING.

CITY & COUNTY ENGINEER
26 27364391

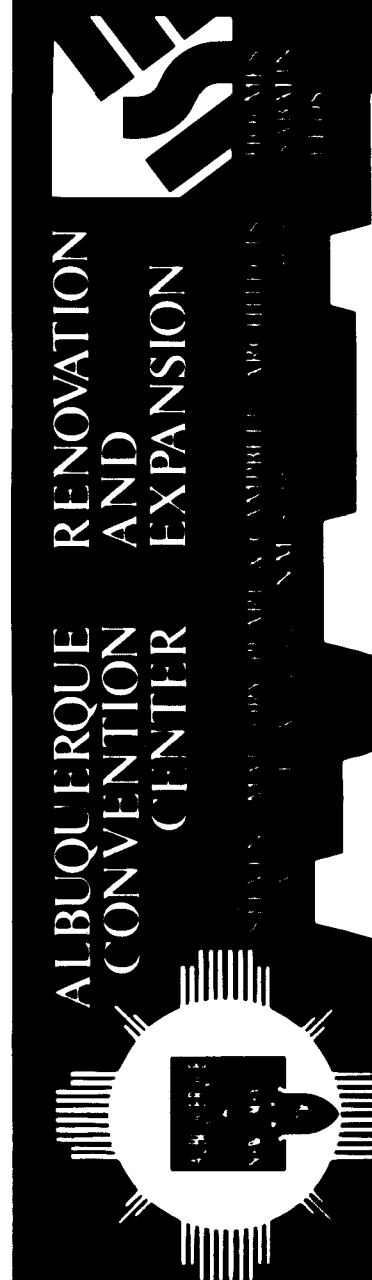
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Ad. H.	5/10/88	Liquid Waste	Ad. H.	4/1/88
A.C.E.-Design	Ad. H.	5/10/88	Traffic	Ad. H.	4/1/88
A.C.E.-Hydrology	Ad. H.	5/10/88	Water	Ad. H.	4/1/88
DRAWING NO.	2736	MAP NO.	K-14	SHEET	OF



REVISED DATE
AS-BUILT 7-4-90

DRAWN BY CHECKED BY

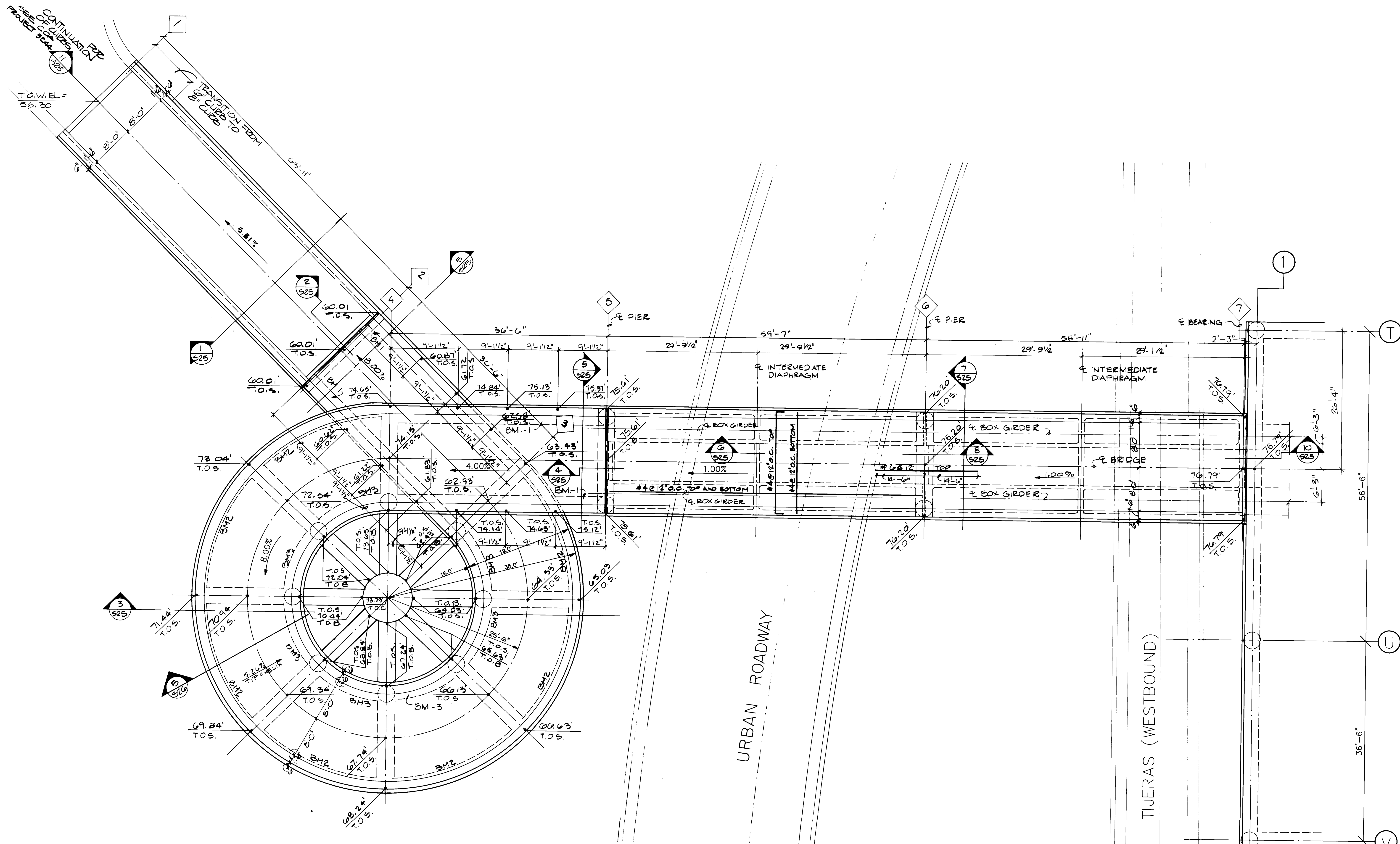
PARKING STRUCTURE
GRAND AVENUE ENTRANCE
EXIT BRIDGE
PRESTRESSED CONCRETE
BEAM & DETAILS



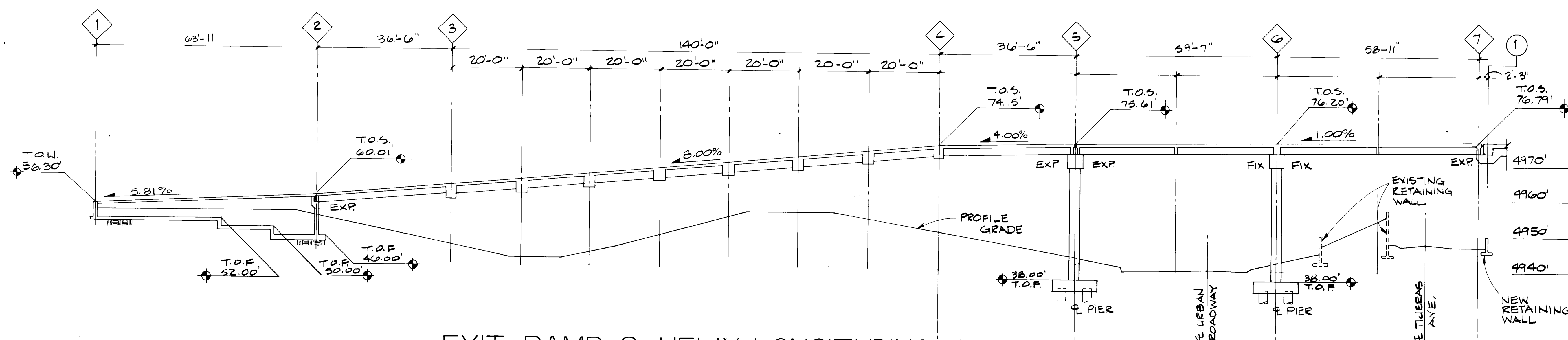
SHEET

S-22

OF 67



EXIT RAMP & HELIX FRAMING PLAN
1/8" = 1'-0"



EXIT RAMP & HELIX LONGITUDINAL PROFILE @ CENTERLINE BRIDGE
1/16" = 1'-0"

LEGEND
 T.O.S. = TOP OF SLAB EL.
 T.O.B. = TOP OF BEAM EL.
 T.O.W. = TOP OF WALL EL.
 T.O.C. = TOP OF COLUMN EL.
 T.O.F. = TOP OF FOOTING OR
 PILE CAP EL.

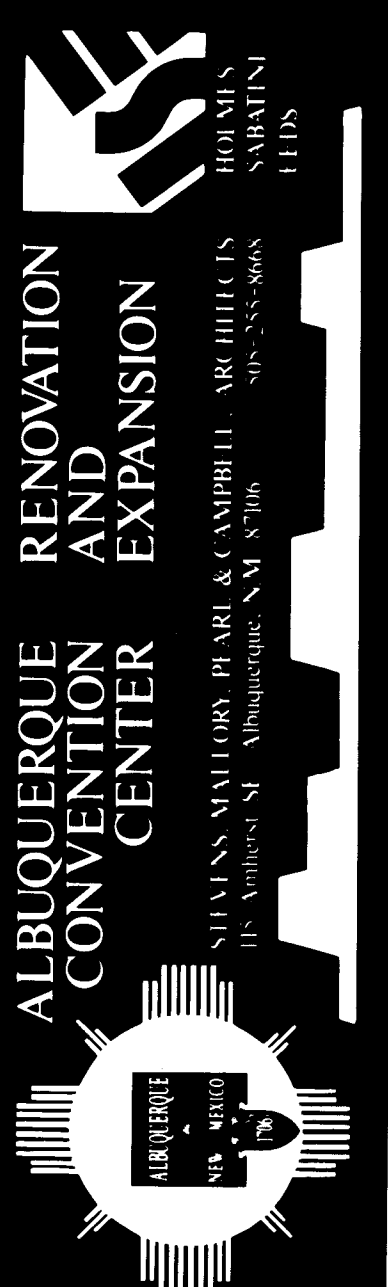
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/10/00	Liquid Waste	<i>[Signature]</i>	4/21/00
A.C.E.-Design	<i>[Signature]</i>	5/10/00	Traffic	<i>[Signature]</i>	5/24/00
A.C.E.-Hydrology	<i>[Signature]</i>	5-24-00	Water	<i>[Signature]</i>	4/21/00
DRAWING NO.	2736		MAP NO.	V-14	
			SHEET	OF	

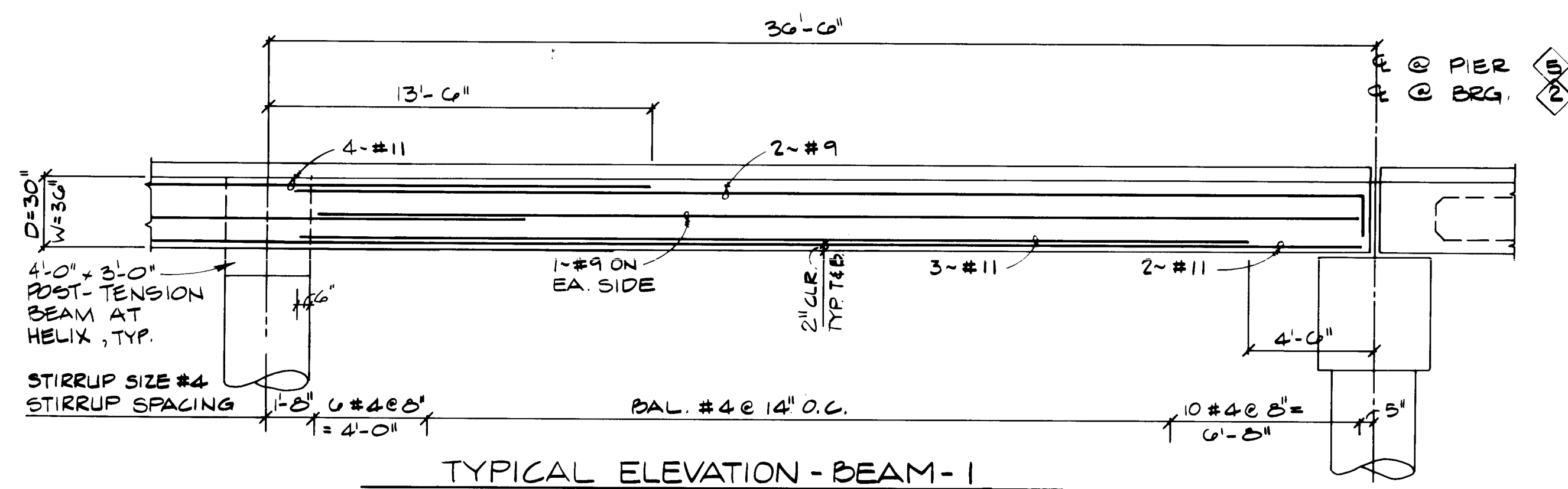


REVISION DATE
 AS-BUILT 7-4-90

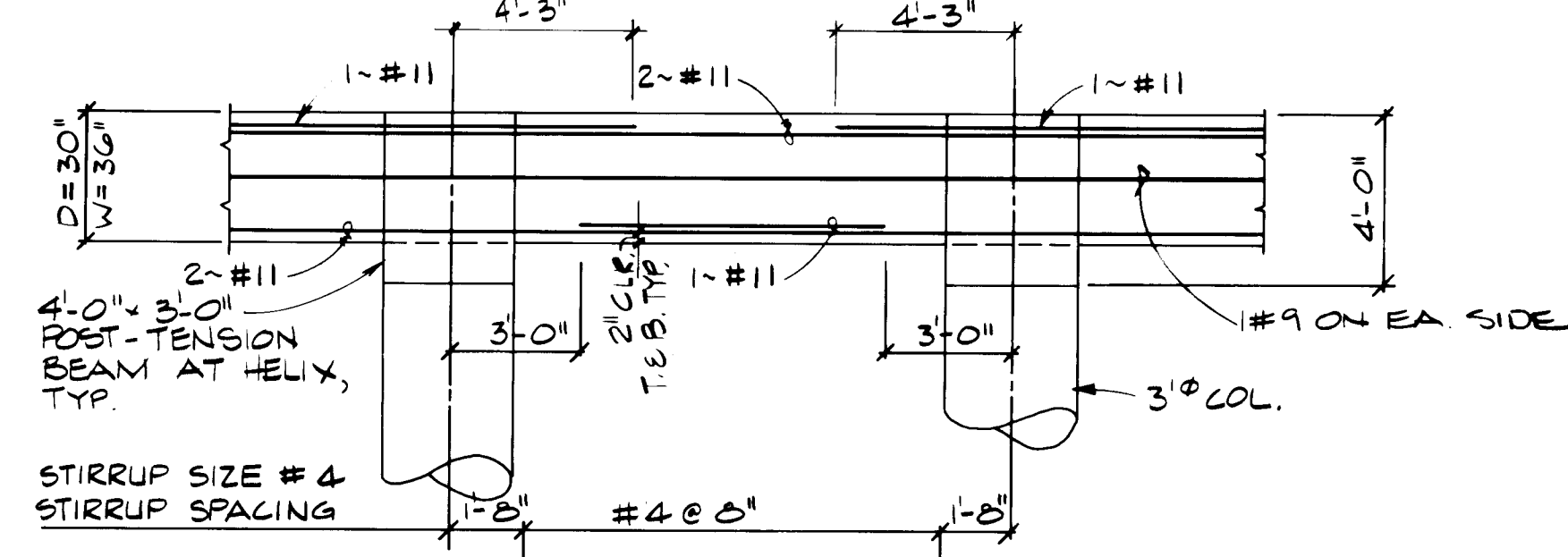
PARKING STRUCTURE
 EXIT RAMP FRAMING PLAN
 AND LONGITUDINAL PROFILE



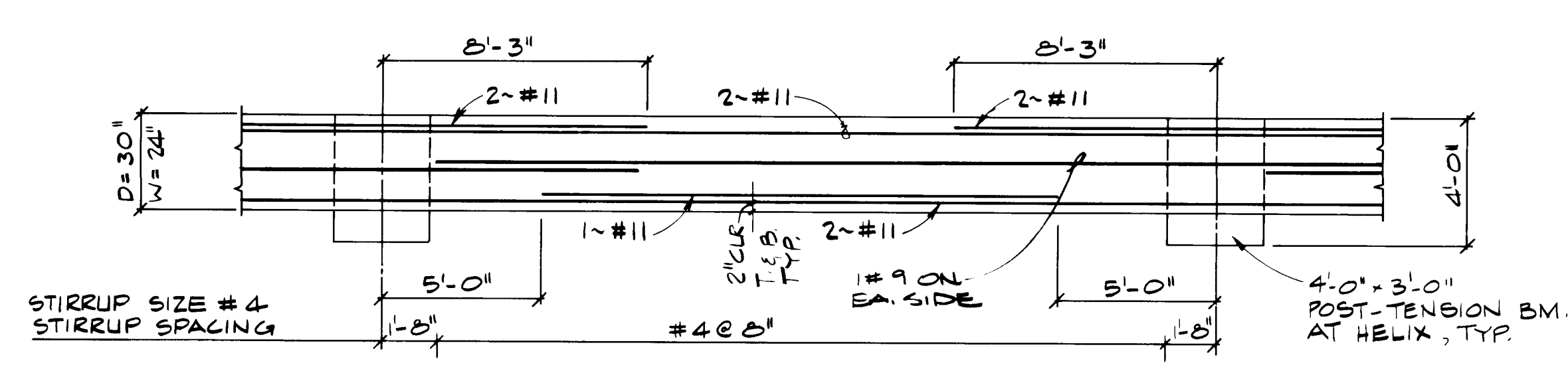
SHEET
S-24
 OF 67



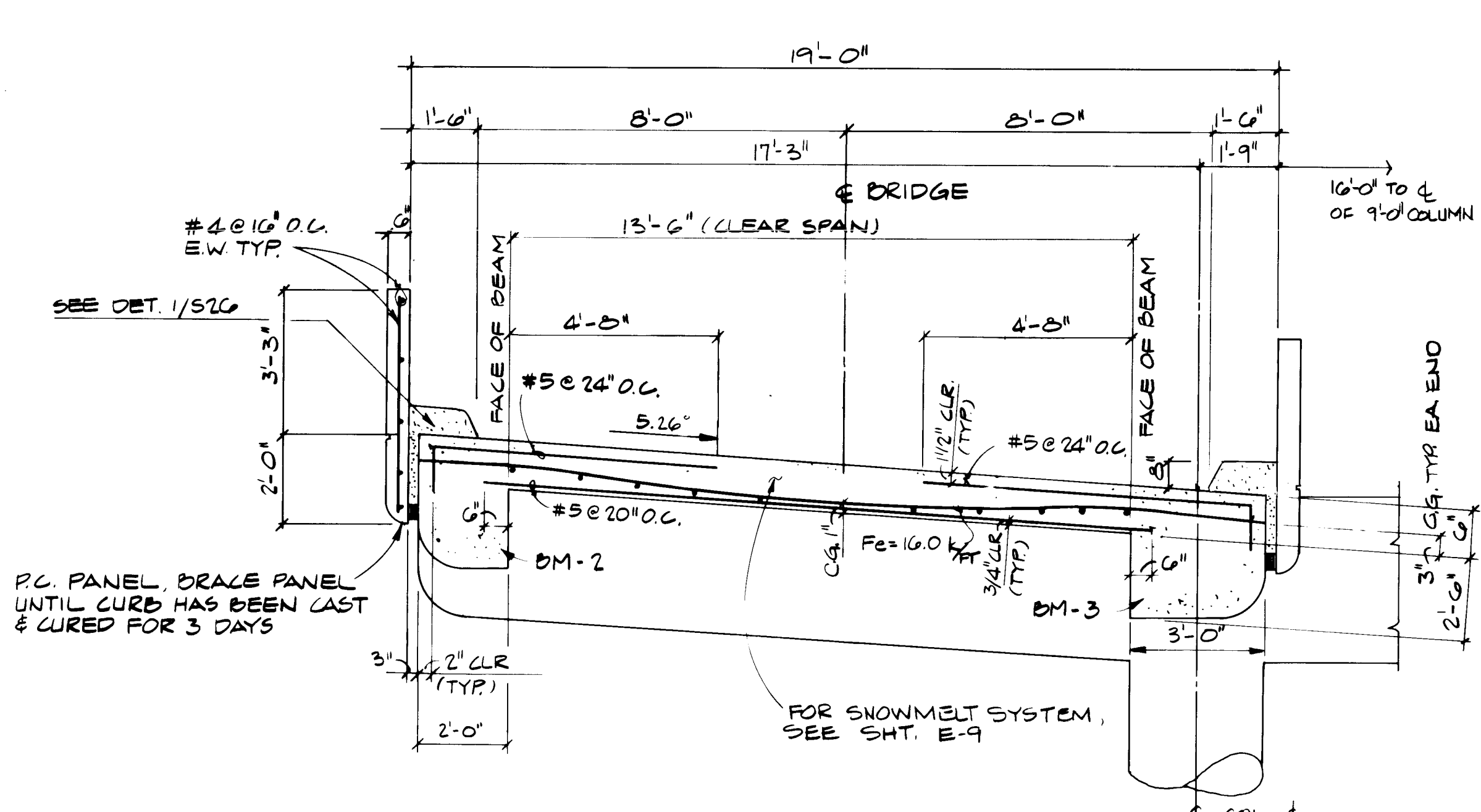
TYPICAL ELEVATION - BEAM-1



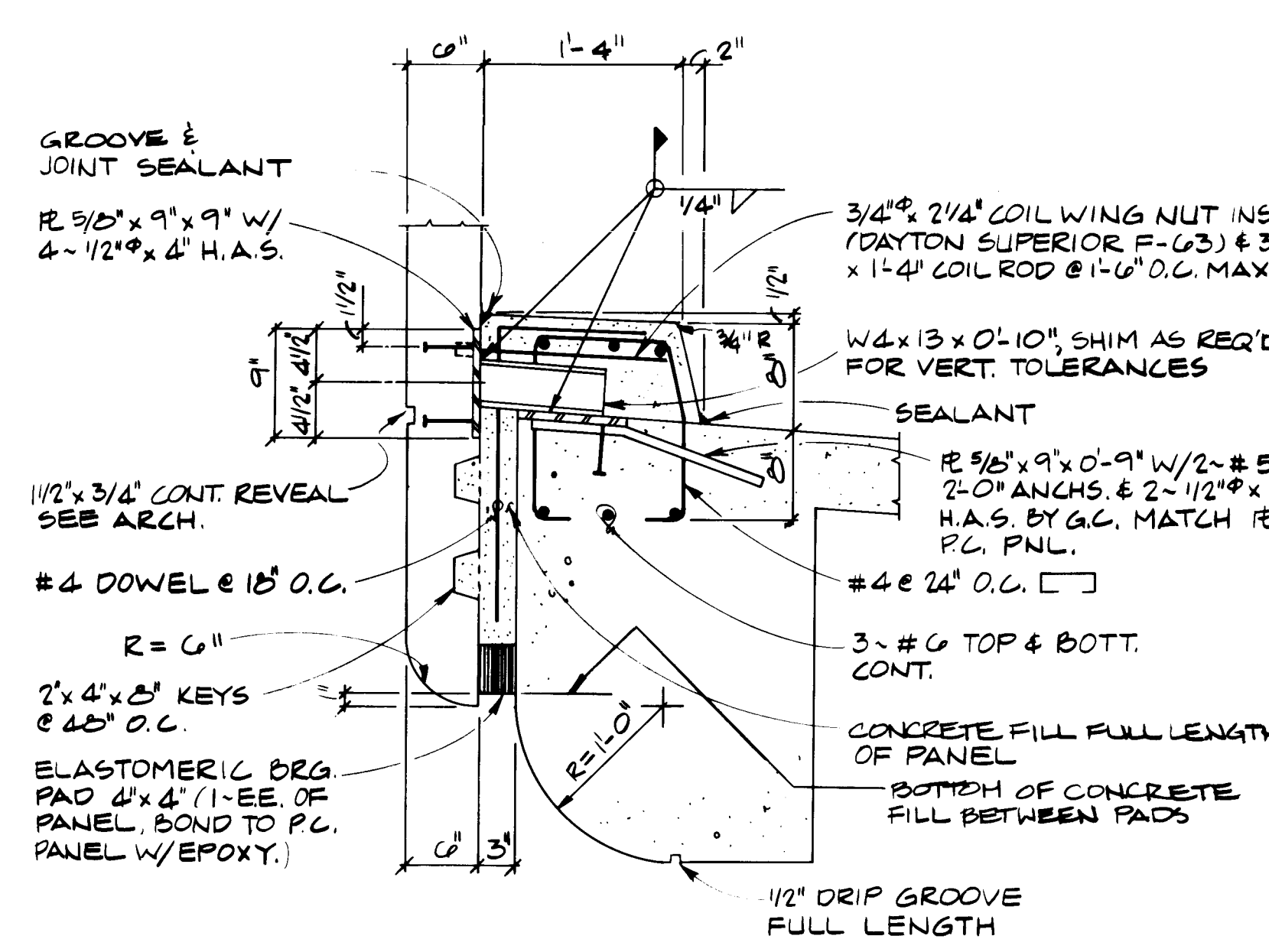
TYPICAL ELEVATION - BEAM-3



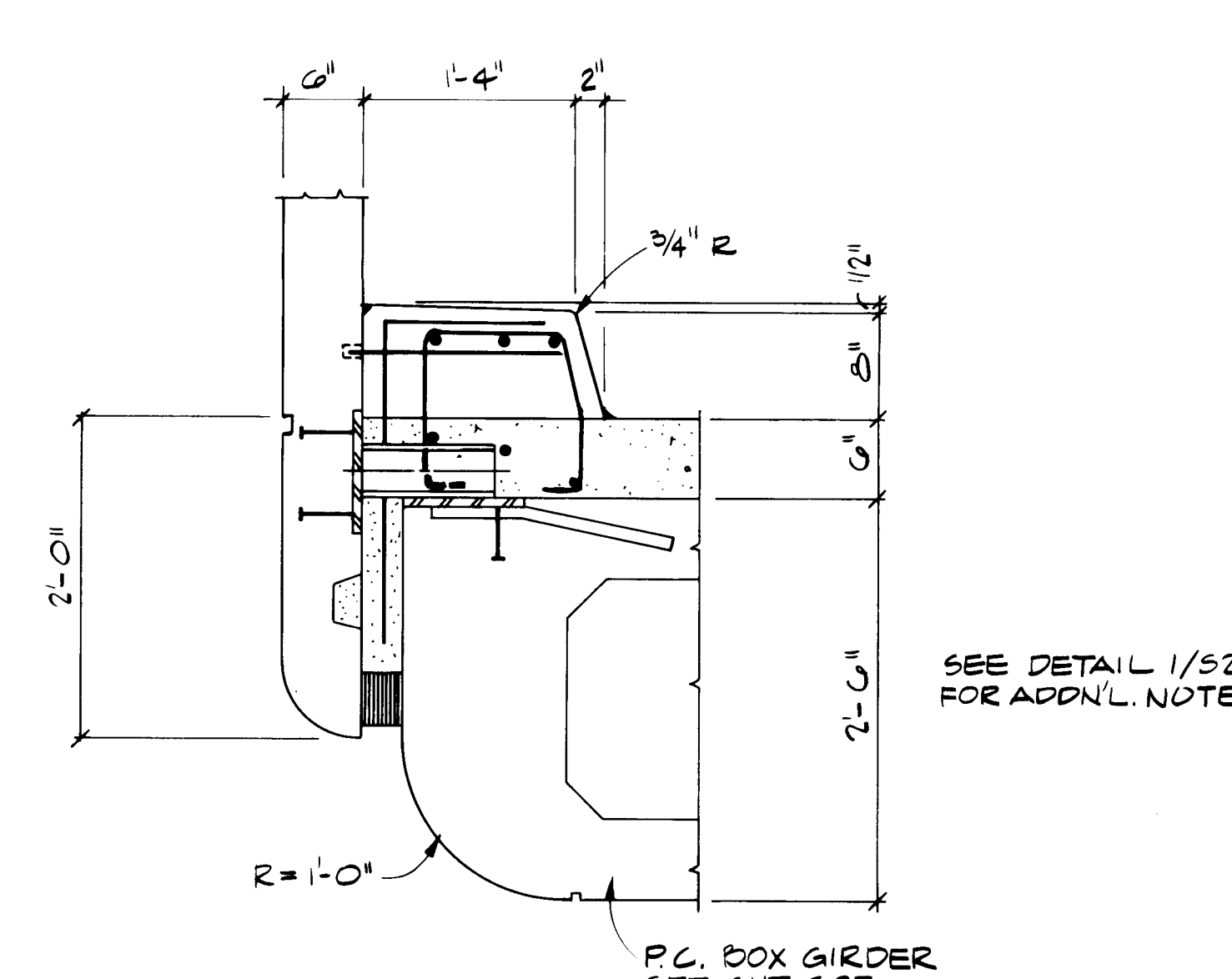
TYPICAL ELEVATION - BEAM-2



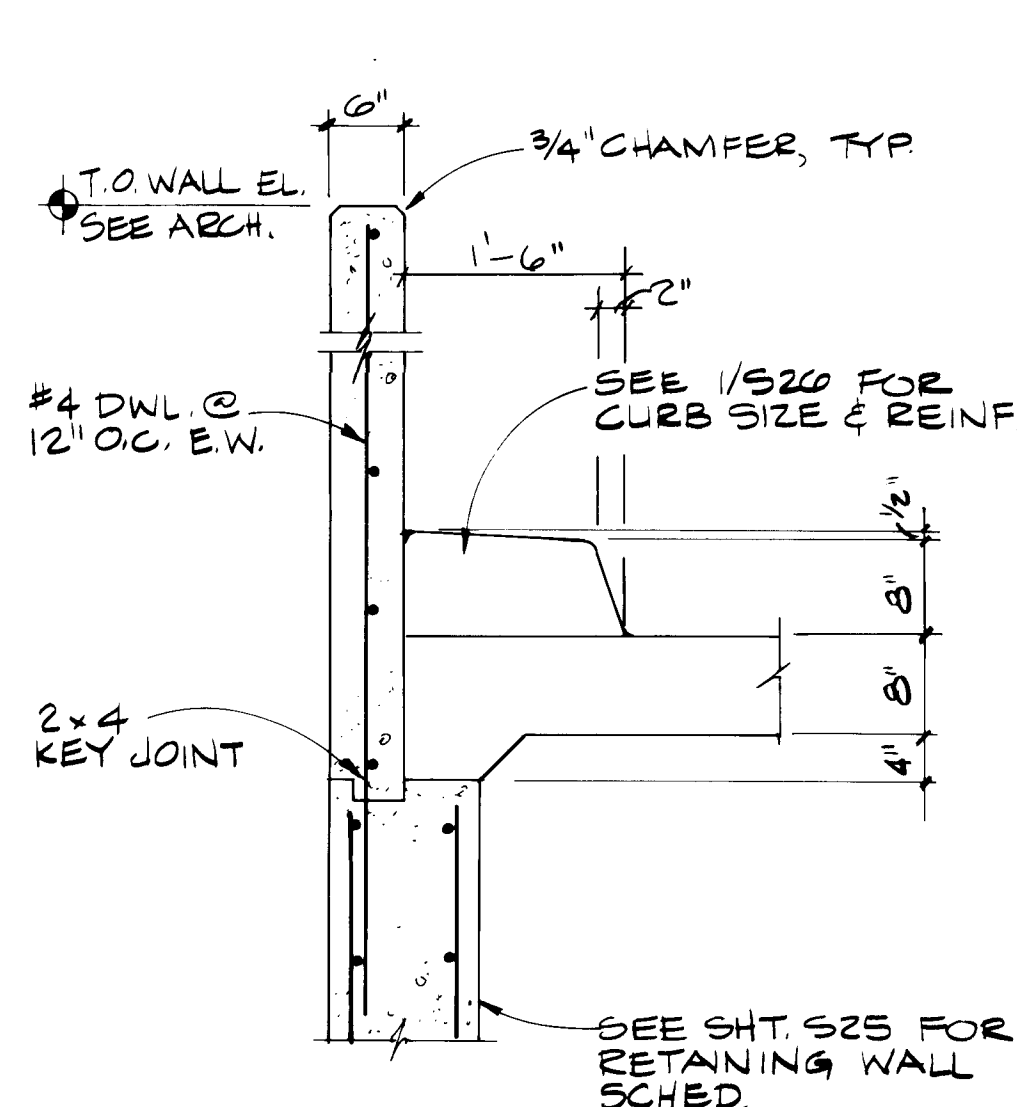
SECTION N.T.S.



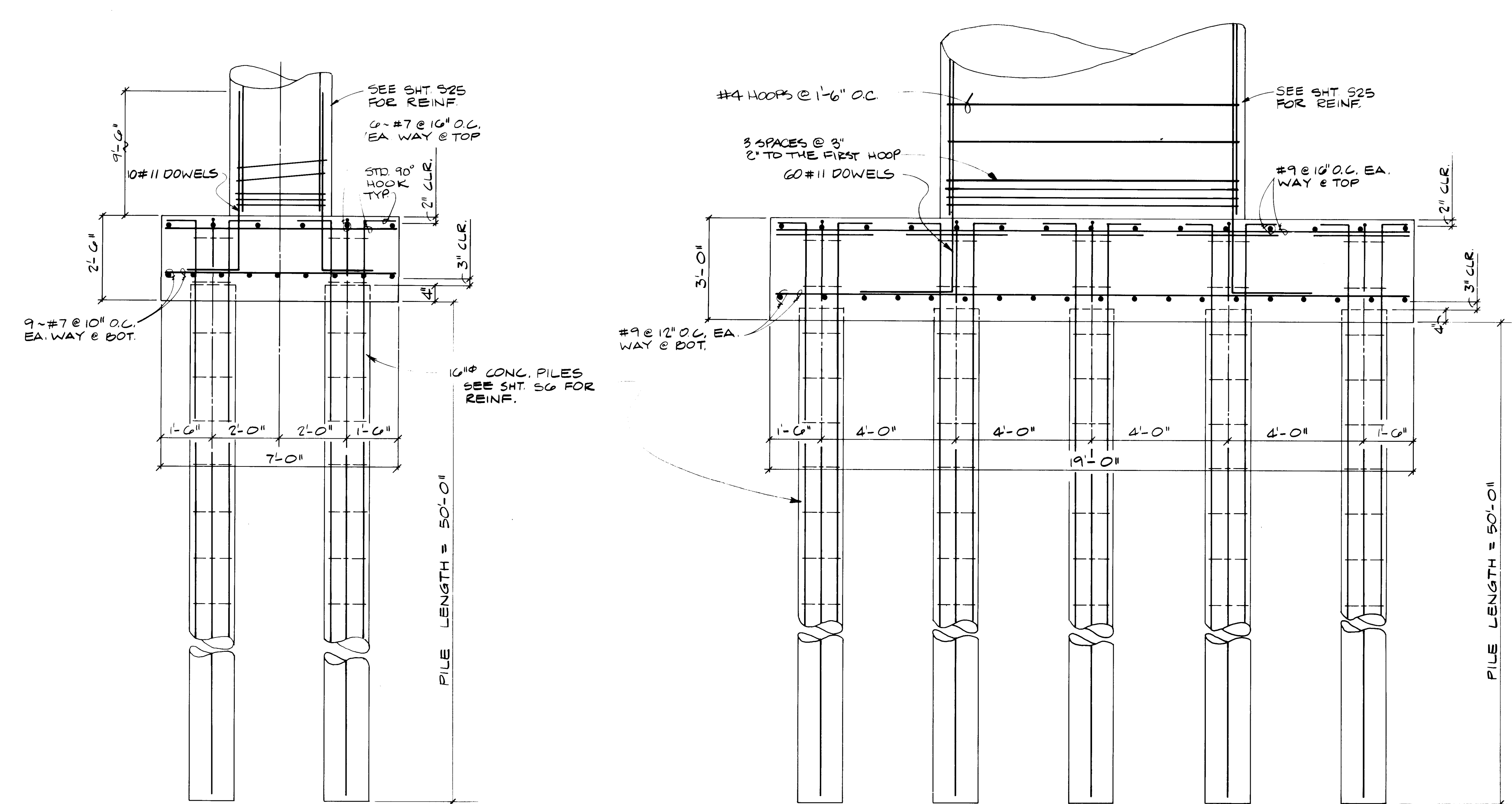
DETAIL 1/520



DETAIL 2/520

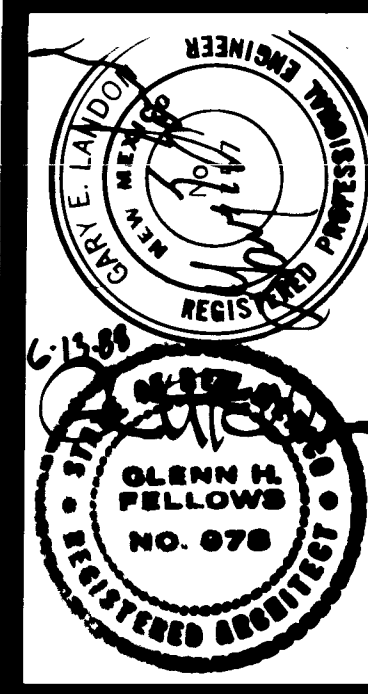


SECTION 3/4 x 1'-0"



DETAIL 3/520

DETAIL 4/520



REVISIT DATE
AS-BUILT 7-4-90

PARKING STRUCTURE
EXIT RAMP BEAM
ELEVATIONS, SECTIONS
AND DETAILS

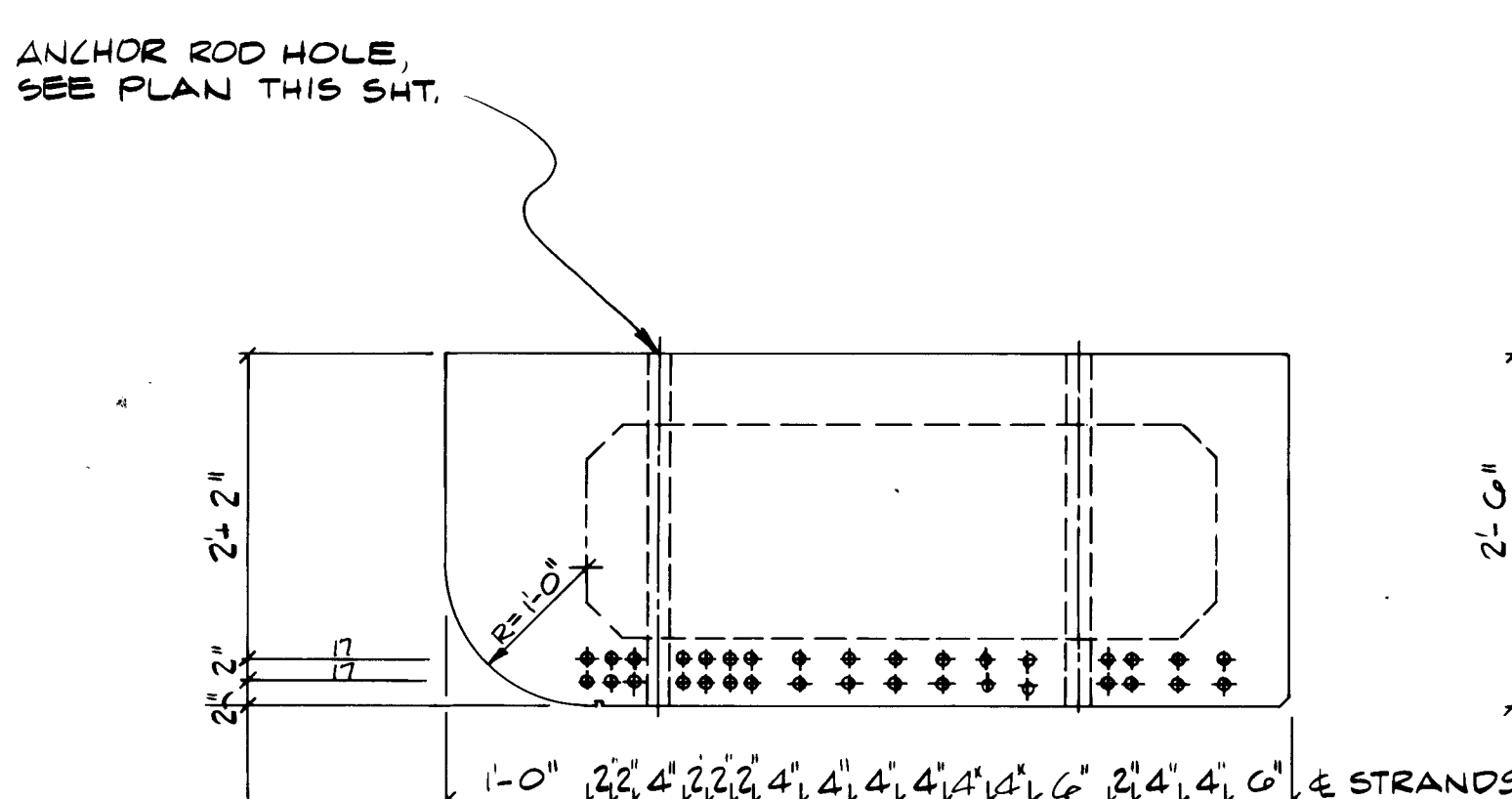
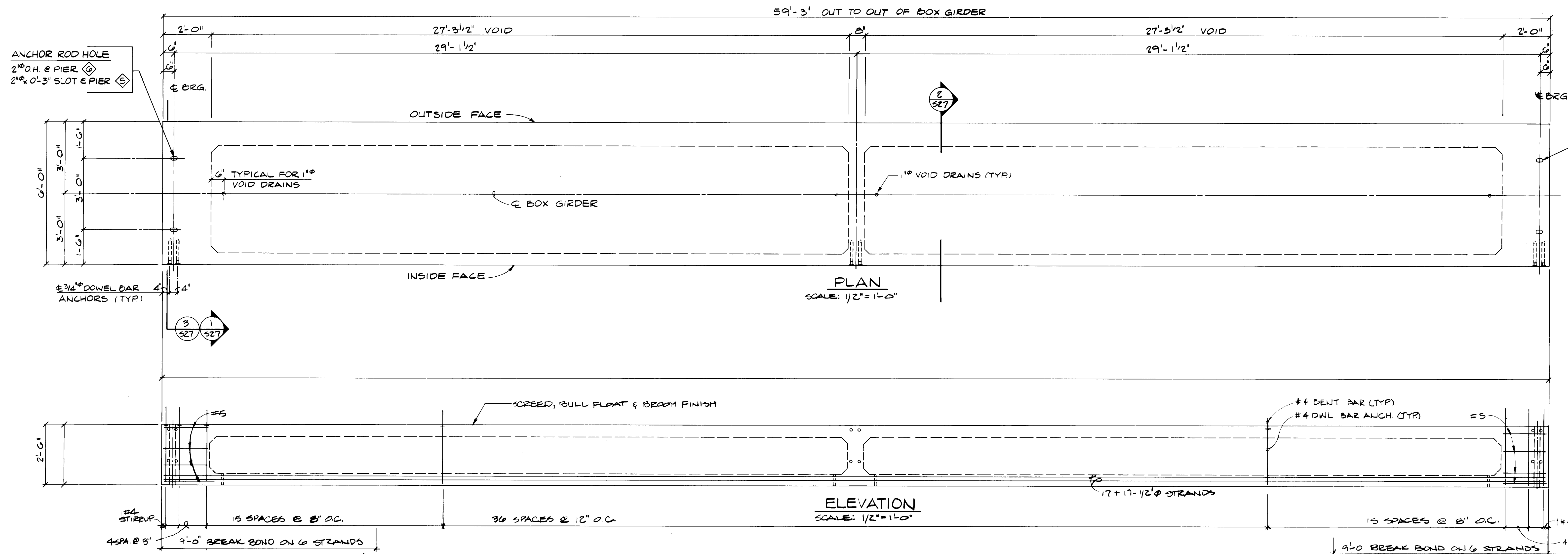


RENOVATION AND EXPANSION
ALBUQUERQUE CONVENTION CENTER
STATIONARY PERMITS AND PERMITS - ARCHITECTS
STATIONARY PERMITS AND PERMITS - ENGINEERS

1/4 x 1/4" Max. s & p
2/6 12/7/316/1719/1

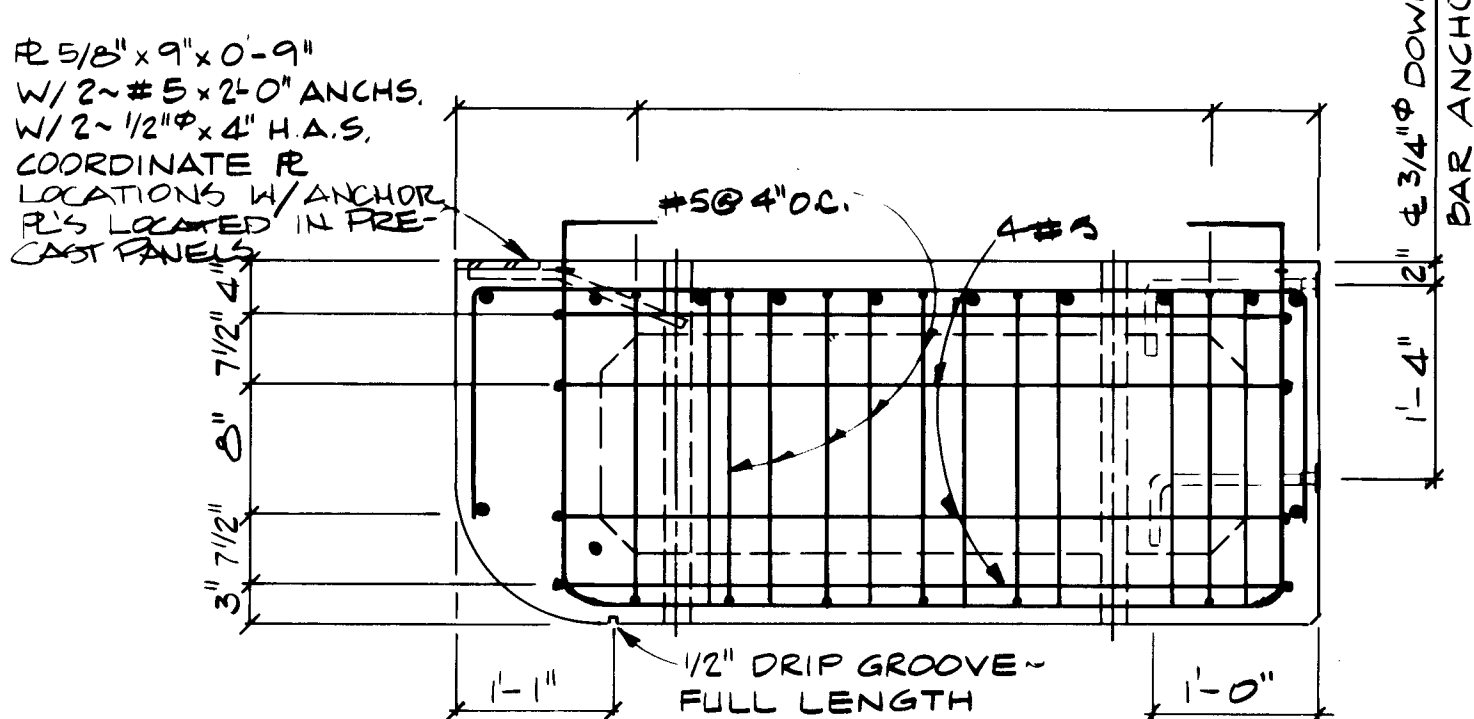
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	1/1/90	5/6/90	Liquid Waste	1/1/90	4/2/90
A.C.E. Design	1/1/90	5/10/90	Traffic	1/1/90	5/10/90
A.C.E. Hydrology	1/1/90	5/10/90	Water	1/1/90	5/10/90
DRAWING NO.	2736	MAP NO.	K-14	SHEET	OF

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NOTE:
USE 34- 1/2" 270k
STRANDS
STRAIGHT PULL

1 STRAND PATTERN @ ENDS
SCALE: 1/2" = 1'-0"



2 STRAND PATTERN NEAR C. SPAN
SCALE: 3/4" = 1'-0"

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

BOX GIRDER NOTES

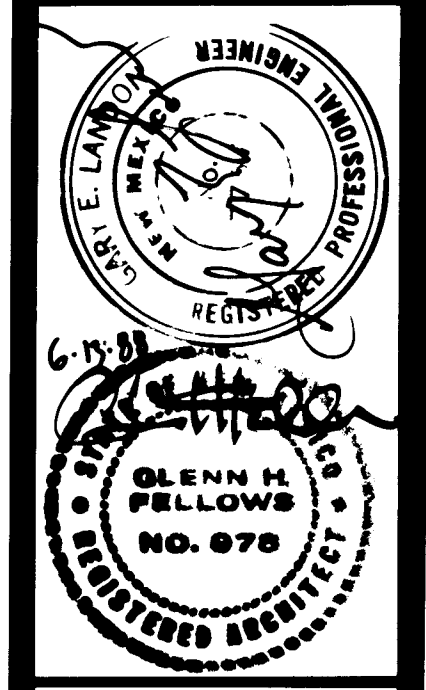
1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL CONCRETE FORMS EXCEPT VOID FORMS SHALL BE CHAMFERED 3/4" AT CORNERS AND EDGES.
3. ALL PRESTRESSING STRANDS SHALL BE 1/2" 270k, 7 WIRE UNCOATED, LOW RELAXATION, WITH MINIMUM F_{pu} = 270,000 PSI AND OTHERWISE MEETING THE REQUIREMENTS OF ASTM A416.
4. NON-PRESTRESSED REINFORCEMENT SHALL BE DEFORMED BARS MEETING ASTM A615, GRADE 60.
5. PRODUCTION PROCEDURES AND DIMENSIONAL TOLERANCES FOR THE MANUFACTURE OF PRECAST PRESTRESSED BEAMS SHALL BE IN ACCORDANCE WITH THE PRESTRESSED CONCRETE INSTITUTE'S CURRENT MANUAL MNL-110 FOR QUALITY CONTROL.
6. TACK WELDING OF NON-PRESTRESSED REINFORCEMENT IS PROHIBITED.
7. MANUFACTURER SHALL BURN BACK PRESTRESSING STRANDS TO A DEPTH OF ONE INCH BELOW SURFACE OF CONCRETE ON END OF BEAM. RESULTING RECESSES SHALL BE FILLED WITH EPOXY GROUT.

DESIGN DATA

- DESIGN BASED ON PRETENSIONED GIRDERS WITH 1/2" DIAMETER 7 WIRE UNCOATED, LOW RELAXATION STEEL STRAND. MINIMUM T_{1/2} = 37,170 LB. PER STRAND
- DESIGN STRESSES:
SPALL NO. 1 $E_c = 5,000 \text{ PSI}$ $f_{ci} = 4,500 \text{ PSI}$
- LIVE LOAD
50 PSF (TRAFFIC)
20 PSF (SHOW)
- PRESTRESSED CONCRETE GIRDER MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS TO STRUCTURAL ENGINEER FOR REVIEW.

DATE: 12/13/16
BY: J. B. BROWN

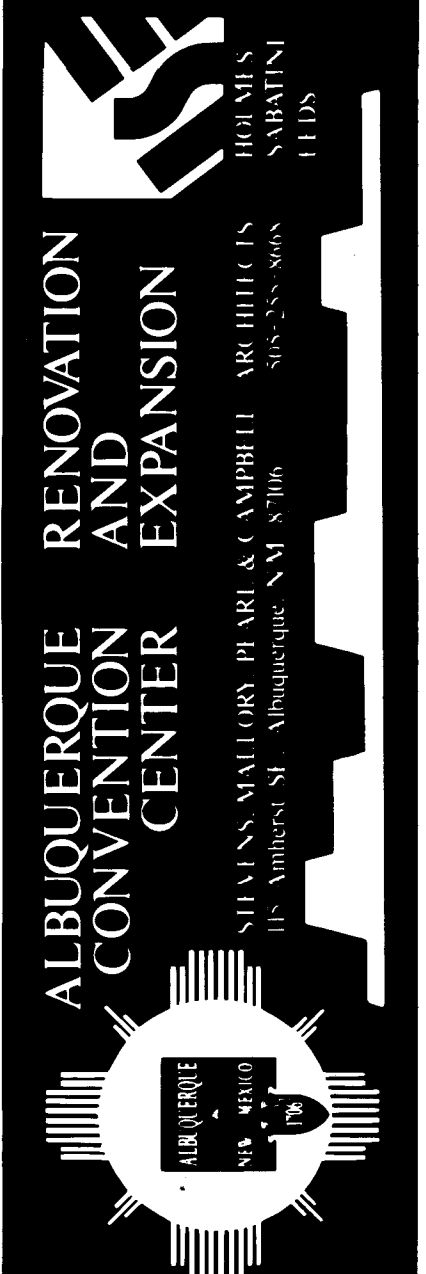
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.	2736	MAP NO.	K-14	SHEET	OF



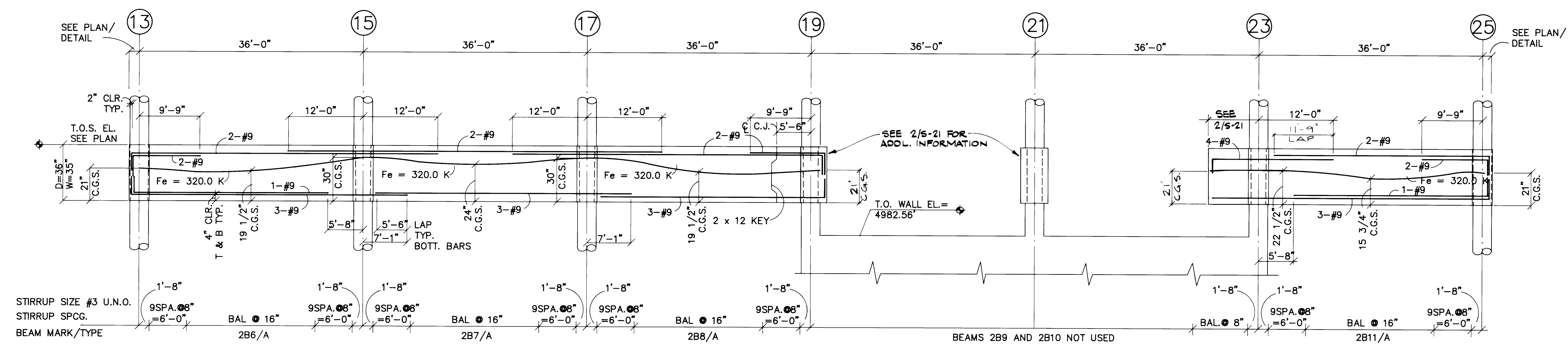
REVISED DATE
AS-BUILT 7-4-90

DESIGNED BY: J. B. BROWN
CHECKED BY: G. H. FELLOWS

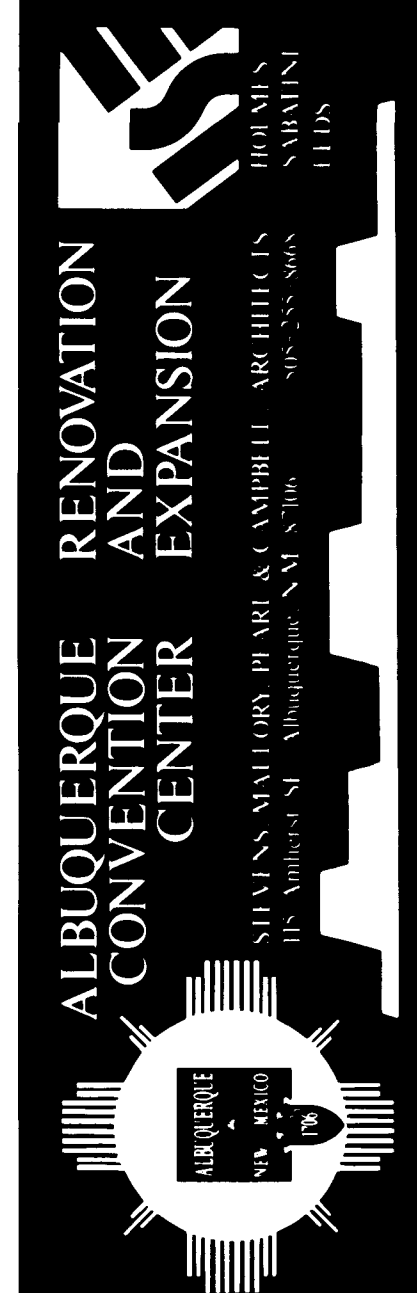
PARKING STRUCTURE
EXIT RAMP PRESTRESSED
CONCRETE BOX GIRDER
DETAILS



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OF 67



26 27365091



S-29
OF 67

ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFH	ABOVE FINISH FLOOR
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
D	DRAIN
ENT	ENTERING
EXH	EXHAUST
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFM	FEET PER MINUTE
FS	FLOOR SINK
FT	FEET
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	H-SE BIBB
HD	HAND DAMPER (VOLUME DAMPER)
IN	INCHES
KW	KILOWATT
KWH	KILOWATTS PER HOUR
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER (QUANTITY)
OA	OUTSIDE AIR
OB	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
R.A.	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE (INCHES OF WATER)
TP	TOTAL PRESSURE (INCHES OF WATER)
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VEL	VELOCITY
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
WH	WALL HYDRANT

S Y M B O L L E G E N D

DUCTWORK SYMBOLS

	FLEXIBLE DUCT
	MANUAL BALANCING DAMPER
	RETURN AIR CEILING REGISTER OR GRILLE
	CONNECT NEW DUCT TO EXISTING DUCT
	EXISTING DUCT TO BE REMOVED
	15' RISE IN DIRECTION OF AIRFLOW
	FLEXIBLE CONNECTION
	VANE ELLIPTICAL (FOR ALL ALL SQUARE OR RECTANGULAR ELBOWS WITH VANE GIVEN IF SYMBOL IS MISSING)
	STANDARD RADIUS ELBOW
	NEW OR EXISTING DUCT, WIDTH X DEPTH
	SUPPLY DUCT
	EXHAUST OR RETURN DUCT
	CEILING DIFFUSERS (ARROWS DENOTE THROW PATTERN)
	EXHAUST CEILING REGISTER OR GRILLE
	SIDEWALL EXHAUST OR RETURN AIR GRILLE OR REGISTER
	SIDEWALL SUPPLY REGISTER
	INDICATES A 12" ROUND DUCT
	INDICATES A 24"x12" FLAT OVAL DUCT

CONTROL SYMBOLS

	ELECTRIC ROOM THERMOSTAT
--	--------------------------

PIPING SYMBOLS

	DRAIN LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER REIRC
	SANITARY SEWER
	VENT
	FIRE PROTECTION
	ROOF DRAIN
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	RISE IN PIPE

VALVE SYMBOLS

	GATE VALVE
	PRESSURE REDUCING VALVE
	3/4" GATE VALVE WITH ADAPTER TO 3/4" HOSE THREAD
	VALVE IN RISE
	O.S.&Y. VALVE

GENERAL DRAWING SYMBOLS

	SECTION LETTER OR DETAIL NUMBER
	DRAWING NUMBER WHERE DETAILED

EQUIPMENT SYMBOLS

	HEX SYMBOL INDICATES NEW EQUIPMENT NUMBER REFERS TO SPECIFIC EQUIPMENT IDENTIFIED IN EQUIPMENT SCHEDULE
	NOMINAL FACE DIMENSIONS LETTER IN SQUARE SYMBOL REFERS TO GRILLE OR REGISTER TYPE IDENTIFIED IN THE GRILLE & DIFFUSER SCHEDULE

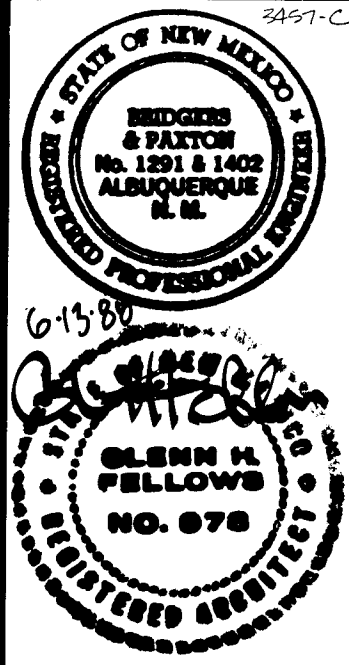
GENERAL NOTES

- ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NICK SIZE. ALL ROUND RUNOUTS TO AIR TERMINAL UNIT SHALL BE AS SCHEDULED ON THE MECHANICAL EQUIPMENT SCHEDULE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS. IF A ROUND DUCT SIZE IS SHOWN ENCLOSED IN PARENTHESIS, THIS DUCT SIZE INDICATES OUTSIDE DUCT DIMENSIONS.
- PROVIDE TURNING VANES IN ALL SQUARE ELBOWS.
- THE CFM OF EACH DIFFUSER, REGISTER, ETC. IS INDICATED AS A NUMBER NEXT TO THE DIFFUSER OR REGISTER ON THE DRAWINGS.
- CONTRACTOR SHALL COORDINATE ALL DUCTWORK, FITTINGS, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURED INSERTS, SLEEVES AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK, AND PIPING, ETC. CONTRACTOR SHALL VERIFY WITH STRUCTURAL ENGINEER THAT THE DEVICES ARE ADEQUATE AND DO NOT OVERLOAD STRUCTURAL COMPONENTS.
- SEAL ALL TRANSVERSE JOINTS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.

MECHANICAL EQUIPMENT SCHEDULE

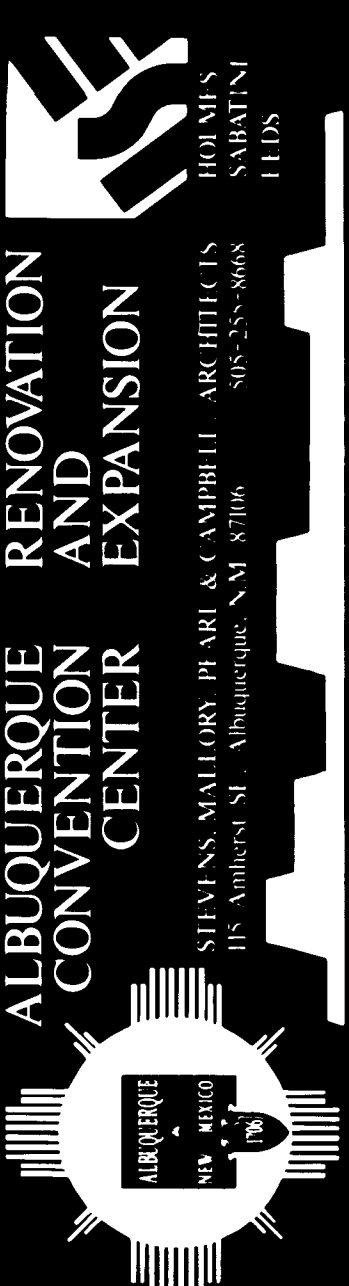
SYMBOL	DESCRIPTION																																																																																							
1 2 2A	SYMBOLS NO. 1 AND 2, AND 2A, PACKAGED COOLING UNITS: FURNISH AND INSTALL A HORIZONTAL SINGLE-PIECE AIR-COOLED ELECTRIC COOLING UNIT DESIGNED FOR INDOOR CEILING PLenum MOUNTING. UNIT SHALL BE COMPLETELY ASSEMBLED, AND FACTORY RUN-TESTED, COMPLETE WITH REFRIGERANT CHARGE AND READY TO OPERATE. THE TOTAL UNIT SHALL BE UL LISTED AND CSA APPROVED AND CARRY A UL LABEL. COMPRESSOR SHALL BE WELDED, FULLY HERMETIC WITH CRANKCASE HEATER AND SUITABLE VIBRATION ISOLATION. COMPRESSOR SHALL HAVE 5 YEAR WARRANTY. UNIT SHALL INCLUDE FACTORY-INSTALLED PERMANENT, CLEANABLE AIR FILTER. FANS AND MOTORS: EVAPORATIVE AIR FAN SHALL BE FORWARD-CURVED, CENTRIFUGAL, DIRECT-DRIVE TYPE. CONDENSER AIR FAN SHALL BE FORWARD-CURVED, CENTRIFUGAL DIRECT-DRIVE TYPE. CABINET SHALL BE CONSTRUCTED OF ALUMINIZED STEEL. CABINET INTERIOR SHALL BE INSULATED WITH 1/2-INCH THICK NEOPRENE-COATED FIBERGLASS. MAINTENANCE ACCESS IS PROVIDED THROUGH 3 SAME-SIDE ACCESS PANELS AND 2 BOTTOM HINGED REMOVABLE DOORS. THE SIDE PANELS GIVE ACCESS TO THE CONTROL BOX, REFRIGERATION COMPONENTS AND TO THE CONDENSER COIL. THE CONTROL BOX SHALL SWING OUT LEAVING ACCESS TO THE COMPRESSOR. THE REMOVABLE BOTTOM DOORS SHALL PROVIDE ACCESS TO THE CONDENSER AND EVAPORATOR MOTORS AND BLOWER ASSEMBLIES, THAT SHALL BE EASILY REMOVABLE. <table><tr><th rowspan="2">SYMBOL</th><th rowspan="2">SUPPLY CFM</th><th rowspan="2">COOLING BTUH (95° COND, 67° EWB)</th><th rowspan="2">POWER</th><th rowspan="2">MOPC AMPS</th><th colspan="4">ELECTRICAL</th></tr><tr><th>COMPRESSOR RLA</th><th>SUPPLY LRA</th><th>FAN</th><th>COND. FAN</th></tr><tr><td>1</td><td>800</td><td>20,400 SENSIBLE</td><td>230/1/60</td><td>25</td><td>12.6</td><td>64.0</td><td>1.3 FLA</td><td>3.34 FLA</td></tr><tr><td>2</td><td>600</td><td>17,500 SENSIBLE</td><td>230/1/60</td><td>25</td><td>12.6</td><td>64.0</td><td>1.3 FLA</td><td>3.34 FLA</td></tr><tr><td>2A</td><td>800</td><td>20,400 SENSIBLE</td><td>230/1/60</td><td>15</td><td>12.6</td><td>64.0</td><td>1.3 FLA</td><td>3.34 FLA</td></tr></table> SYMBOL MIN. CKT AMPS CARRIER MODEL NO. <table><tr><td>1</td><td>20.8</td><td>50 AH024</td></tr><tr><td>2</td><td>20.8</td><td>50 AH024</td></tr><tr><td>2A</td><td>20.8</td><td>50 AH024</td></tr></table> TWO 3/4-INCH THREADED CONDENSATE DRAIN CONNECTIONS SHALL BE PROVIDED BELOW THE EVAPORATOR CTRL. ONE 3/4-INCH PIPE THREAD CONNECTION SHALL BE PROVIDED FOR CONDENSER COIL WASH DOWN. THE COOLING SYSTEM SHALL BE PROTECTED WITH HIGH-PRESSURE SWITCH, LOW-PRESSURE SWITCH AND COMPRESSOR CYCLE-LOC TO PREVENT COMPRESSOR RESTART UNTIL RESET AT THE THERMOSTAT. THE HERMETIC COMPRESSOR SHALL HAVE INTERNAL LINE BREAK PROTECTION. UNIT ELECTRICAL CONNECTIONS - UNIT SHALL HAVE SINGLE POINT 230 VOLT SINGLE PHASE POWER CONNECTION TO A TERMINAL BLOCK. CABINET SHALL CONTAIN SUITABLE OPENINGS FOR ROUTING OF ALL CONNECTIONS. FURNISH CONTROL CIRCUIT TRANSFORMER. ACCESSORIES: THE FOLLOWING FIELD-INSTALLED ACCESSORIES SHALL BE PROVIDED: THERMOSTAT ASSEMBLY: SHALL PROVIDE SEPARATE HEATING AND COOLING CONTACTS, AND FAN CONTROL. STANDARD SUBBASE SHALL INCLUDE "COMPRESSOR MALFUNCTION LIGHT" DESIGNED TO ILLUMINATE IF COMPRESSOR LOCK-OUT IS ACTIVATED. TIME GUARD II CIRCUIT TO PREVENT COMPRESSOR SHORT CYCLING AS A RESULT OF A RAPID CHANGE IN THERMOSTAT SETTING. ALSO AUTOMATICALLY PREVENTS COMPRESSOR RESTART FOR AT LEAST 5 MINUTES AFTER SHUTDOWN. [THIS IS AN ACCESSORY] HEAD PRESSURE CONTROL DAMPER KIT: SHALL ALLOW THE UNIT TO OPERATE DOWN TO 0°F.	SYMBOL	SUPPLY CFM	COOLING BTUH (95° COND, 67° EWB)	POWER	MOPC AMPS	ELECTRICAL				COMPRESSOR RLA	SUPPLY LRA	FAN	COND. FAN	1	800	20,400 SENSIBLE	230/1/60	25	12.6	64.0	1.3 FLA	3.34 FLA	2	600	17,500 SENSIBLE	230/1/60	25	12.6	64.0	1.3 FLA	3.34 FLA	2A	800	20,400 SENSIBLE	230/1/60	15	12.6	64.0	1.3 FLA	3.34 FLA	1	20.8	50 AH024	2	20.8	50 AH024	2A	20.8	50 AH024																																						
SYMBOL	SUPPLY CFM						COOLING BTUH (95° COND, 67° EWB)	POWER	MOPC AMPS	ELECTRICAL																																																																														
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3 4 4A	SYMBOLS NO. 3 AND 4, AND 4A, ELECTRIC HEATING COILS: OPEN COIL DUCT HEATER DESIGN FOR HORIZONTAL DUCT MOUNTING WITH HEATING CAPACITY, PHYSICAL SIZE, AND MOUNTING AS SCHEDULED AND AS SHOWN ON THE PLANS. ELEMENT COILS TO BE CONSTRUCTED OF 80% NICKEL, 20% CHROMIUM COILED RESISTANCE WIRE SUPPORTED WITH REINFORCING BRACKETS, AND CERAMIC BUSHINGS AND TERMINAL INSULATORS. FRAME AND CONTROL PANEL TO BE FABRICATED OF ALUMINIZED STEEL WITH HINGED COVER LATCHED FOR LOCKING. ALL HEATERS SHALL BE UL LISTED FOR ZERO CLEARANCE AND SHALL MEET THE REQUIREMENTS OF THE N.E.C. ALL WIRING SHALL BE BROUGHT TO MARKED TERMINALS. ALL UNITS SHALL BE FURNISHED WITH AUTOMATIC RESET AND MANUAL RESET DISC TYPE THERMAL CUTOUTS, FUSES FOR OVERCURRENT PROTECTION, AIR FLOW SWITCH, CONTROL CIRCUIT TRANSFORMER, MAGNETIC CONTRACTORS FOR EACH STAGE, TRANSFORMER FUSES, AND CIRCUIT FUSES. ALL HEATERS SHALL INCLUDE AN INSULATING BARRIER BETWEEN THE TERMINAL BOX AND THE DUCT TO PREVENT CONDENSATION. REFER TO ELECTRICAL DRAWINGS FOR CONTROL AND POWER WIRING. CHROMALOX, BRASCH, OR EQUIVALENT. <table><tr><th>SYMBOL</th><th>DUCT CFM</th><th>DUCT SIZE, IN. WIDTH X HEIGHT</th><th>TOTAL KW</th><th>POWER VOLTAGE/PHASE</th><th>CONTROL CIRCUIT VOLTAGE</th></tr><tr><td>3</td><td>800</td><td>16 X 8</td><td>2.5</td><td>230/60/1</td><td>115/60/1</td></tr><tr><td>4</td><td>600</td><td>16 X 8</td><td>2.5</td><td>230/60/1</td><td>115/60/1</td></tr><tr><td>4A</td><td>800</td><td>16 X 8</td><td>3.0</td><td>230/60/1</td><td>115/60/1</td></tr></table> <table><tr><th>SYMBOL</th><th>NO. OF STAGES</th><th>SERVICE OF LOCATION</th></tr><tr><td>3</td><td>1</td><td>ELEVATOR EQUIPMENT</td></tr><tr><td>4</td><td>1</td><td>LOBBY</td></tr><tr><td>4A</td><td>1</td><td>SECURITY, SUPERVISOR, TICKET BOOTH</td></tr></table>	SYMBOL	DUCT CFM	DUCT SIZE, IN. WIDTH X HEIGHT	TOTAL KW	POWER VOLTAGE/PHASE	CONTROL CIRCUIT VOLTAGE	3	800	16 X 8	2.5	230/60/1	115/60/1	4	600	16 X 8	2.5	230/60/1	115/60/1	4A	800	16 X 8	3.0	230/60/1	115/60/1	SYMBOL	NO. OF STAGES	SERVICE OF LOCATION	3	1	ELEVATOR EQUIPMENT	4	1	LOBBY	4A	1	SECURITY, SUPERVISOR, TICKET BOOTH																																																			
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5 6	SYMBOLS NO. 5 AND 6, RELIEF VENT: LOW SILHOUETTE, CURB BASE MOUNTED, CAPACITY 925 CFM AT .06" STATIC PRESSURE. GREENHECK GRS-16.																																																																																							
7 8	SYMBOLS NO. 7 AND 8, CABINET FANS: PHOSPHATIZED STEEL HOUSING WITH BAKED ENAMEL FINISH, 1/2 INCH ACOUSTICALLY LINED INSULATION, ELECTRICAL TERMINAL BOX, WITH MOTORS MOUNTED ON RESILIENT GROMMETS, BACKDRAFT DAMPER, AND WITH FORWARD CURVE CENTRIFUGAL WHEEL. WALL OUTLET EQUAL TO GREENHECK W L 60, GREENHECK SP, PENN, CARNES OR EQUIVALENT. <table><tr><th>SYMBOL</th><th>CFM</th><th>S.P. IN.W.G.</th><th>MAX RPM</th><th>POWER VOLTS/Hz/PHASE</th><th>MOTOR HP</th><th>GREENHECK MODEL NO.</th><th>SERVICE OR LOCATION</th></tr><tr><td>7 & 8</td><td>75</td><td>0.15</td><td>1050</td><td>115/60/1</td><td>1/150</td><td>SP-15</td><td>TOILET EXH.</td></tr></table>	SYMBOL	CFM	S.P. IN.W.G.	MAX RPM	POWER VOLTS/Hz/PHASE	MOTOR HP	GREENHECK MODEL NO.	SERVICE OR LOCATION	7 & 8	75	0.15	1050	115/60/1	1/150	SP-15	TOILET EXH.																																																																							
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	GRILLE AND DIFFUSER SCHEDULE GENERAL NOTES: GRILLES, REGISTERS AND DIFFUSERS SHALL BE FABRICATED OF STEEL OR ALUMINUM. ONLY ALUMINUM SHALL BE USED ON EXHAUST OR RETURN REGISTERS OR GRILLES WHERE HEAVY CONCENTRATIONS OF MOISTURE ARE PRESENT, I.E., SHOWER ROOMS, CARTWASHER, ETC. STEEL GRILLES, DIFFUSERS AND REGISTERS SHALL RECEIVE A ZINC PHOSPHATE PRIME COAT AND BAKED WHITE ENAMEL FINISH. ALUMINUM GRILLES, DIFFUSERS AND REGISTERS SHALL ALSO BE FINISHED IN BAKED WHITE ENAMEL. THE TYPE OF GRILLE, DIFFUSER, OR REGISTER IS SHOWN BY SYMBOL NUMBER ON THE DRAWINGS. ALL SYMBOL NUMBERS SHALL BE CROSS CHECKED AGAINST THE ARCHITECTURAL ROOM FINISH SCHEDULE WHICH SHALL GOVERN IN THE EVENT OF CONFLICT. DISCREPANCIES SHALL BE CLEARLY NOTED ON THE SUBMITTALS. FURNISH ADDITIONAL T-BARS AS REQUIRED TO SUPPORT AND FINISH AROUND CEILING MOUNTED DIFFUSERS AND GRILLES. EQUIPMENT MANUFACTURED BY CARNES, KRUEGER, BARBER COLMAN AND TITUS IS ACCEPTABLE. OTHER MANUFACTURERS SHALL BE ACCEPTED BY PRIOR APPROVAL ONLY. GRILLES AND DIFFUSERS REQUIRING FIBRE RADIATION DAMPER ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS AT THE LOCATIONS SHOWN ON THE DRAWINGS. A CEILING SUPPLY DIFFUSER: STAMPED FACE, FIXED CEILING, ROUND NECK, FIXED LOUVERS, REMOVABLE CORE, VOLUME REGULATOR, BAKED WHITE ENAMEL FINISH. KRUEGER 1400-22, CARNES SP-1E, TITUS TMS-5, BARBER COLMAN SNS, OR EQUIVALENT. <table><tr><th rowspan="2">CFM RANGE</th><th rowspan="2">FACE DIMENSIONS, IN.</th><th colspan="2">NECK</th><th rowspan="2">VP IN.W.G.</th><th rowspan="2">TP IN.W.G.</th><th rowspan="2">MAX. NC</th></tr><tr><th>DIA.</th><th>VEL. FPM</th></tr><tr><td>- 90</td><td>12 X 12</td><td>5 DIA.</td><td>230 - 660</td><td>.01-.03</td><td>.03-.06</td><td>22</td></tr><tr><td>91 - 130</td><td>24 X 24</td><td>6 DIA.</td><td>460 - 660</td><td>.01-.03</td><td>.02-.06</td><td>24</td></tr><tr><td>131 - 210</td><td>24 X 24</td><td>8 DIA.</td><td>300 - 660</td><td>.01-.02</td><td>.02-.06</td><td>28</td></tr><tr><td>211 - 320</td><td>24 X 24</td><td>10 DIA.</td><td>390 - 590</td><td>.01-.02</td><td>.03-.06</td><td>30</td></tr><tr><td>321 - 420</td><td>24 X 24</td><td>12 DIA.</td><td>410 - 540</td><td>.01-.02</td><td>.03-.06</td><td>30</td></tr><tr><td>421 - 450</td><td>24 X 24</td><td>14 DIA.</td><td>390 - 500</td><td>.01-.02</td><td>.04-.06</td><td>30</td></tr><tr><td>531 - 630</td><td>24 X 24</td><td>16 DIA.</td><td>300 - 450</td><td>.01-.02</td><td>.03-.06</td><td>30</td></tr></table> B LINEAR SUPPLY DIFFUSER: EXTRUDED ALUMINUM CONSTRUCTION WITH BAKED WHITE ENAMEL FRAME SUITABLE FOR LAY-IN OR SURFACE MOUNTING TO GYPBOARD (CEILING AND SIDEWALL). SURFACE MOUNTED TYPE SHALL HAVE MINIMUM 1-1/8" BORDERS WITH FRAME MOUNTING HOLES. INTERIOR SURFACES SHALL BE FINISHED IN DULL BLACK. DIFFUSERS SHALL HAVE A FULLY ADJUSTABLE AIR PATTERN WITH FLOW CONTROL VANES THAT SHALL BE CAPABLE OF DEFLECTING THE AIR PATTERN FROM HORIZONTAL TO VERTICAL OR AT INTERMEDIATE SETTINGS. EACH DIFFUSER SHALL HAVE A SELF-ALIGNING DEVICE (WHERE LENGTH IS GREATER THAN FOUR FEET) RESULTING IN PERFECT ALIGNMENT WITHOUT BEING VISIBLE. SEE PLANS FOR ACTUAL CFM, DIFFUSER LENGTH, TYPE OF CEILING, AND NUMBER OF 3/4" SLOTS. KRUEGER 1900-75, CARNES 46-6, TITUS ML-36, BARBER COLMAN CA, OR EQUIVALENT. C CEILING RETURN REGISTER: PERFORATED HINGED FACE ARRANGED FOR FIXED CEILING, BAKED WHITE ENAMEL FINISH, AND SIZED AS SHOWN ON THE DRAWINGS. KRUEGER 1190 WITH FRAME 22, CARNES SPR-EO, OR EQUIVALENT. <table><tr><th rowspan="2">CFM RANGE</th><th rowspan="2">NOMINAL SIZE</th><th rowspan="2">DUCT SIZE</th><th rowspan="2">NECK VEL.</th><th rowspan="2">NEG. 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FPM	- 90	12 X 12	5 DIA.	230 - 660	.01-.03	.03-.06	22	91 - 130	24 X 24	6 DIA.	460 - 660	.01-.03	.02-.06	24	131 - 210	24 X 24	8 DIA.	300 - 660	.01-.02	.02-.06	28	211 - 320	24 X 24	10 DIA.	390 - 590	.01-.02	.03-.06	30	321 - 420	24 X 24	12 DIA.	410 - 540	.01-.02	.03-.06	30	421 - 450	24 X 24	14 DIA.	390 - 500	.01-.02	.04-.06	30	531 - 630	24 X 24	16 DIA.	300 - 450	.01-.02	.03-.06	30	CFM RANGE	NOMINAL SIZE	DUCT SIZE	NECK VEL.	NEG. S.P.	MAX. NC						20 - 285	12" X 12"	10" X 10"	20 - 410	.01 - .08	25	286 - 600	12" X 24"	10" X 22"	190 - 390	.01 - .08	25	601 - 1300	24" X 24"	22" X 22"	180 - 390	.01 - .08	30
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AS-BUILT 7-4-90

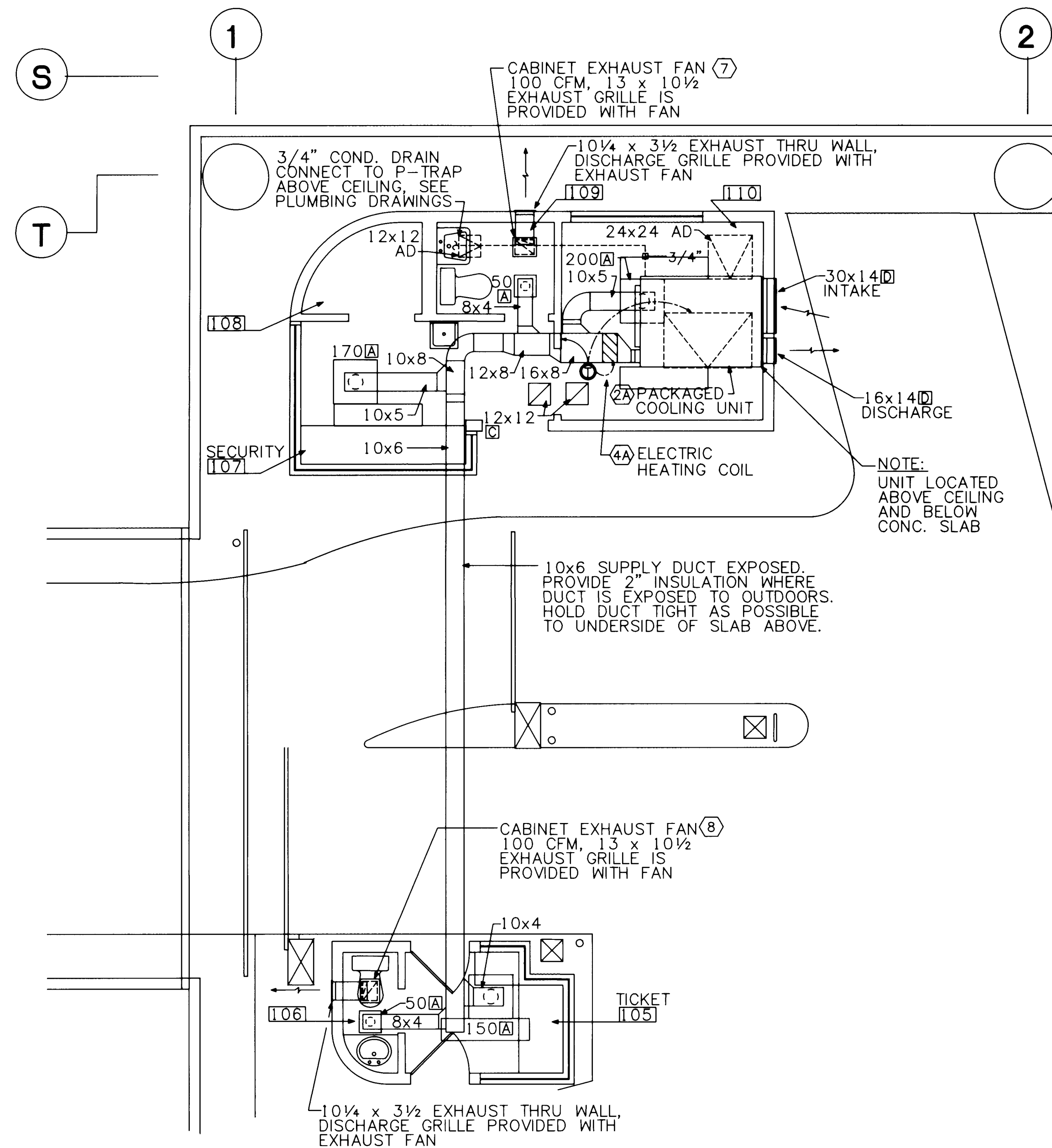
PARKING STRUCTURE
EQUIPMENT SCHEDULE
SYMBOL LEGEND &
GENERAL NOTES



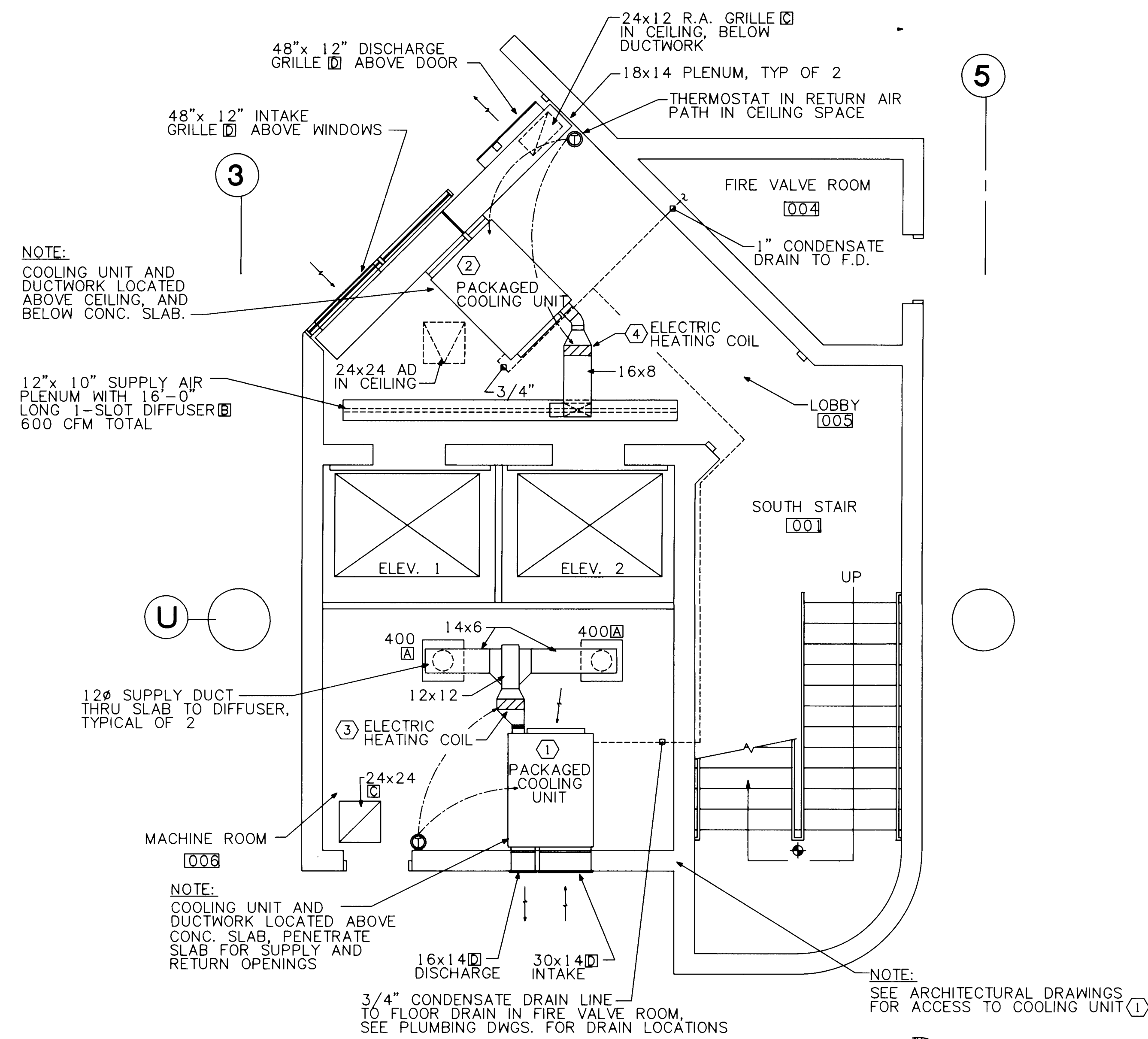
SHEET

M-1

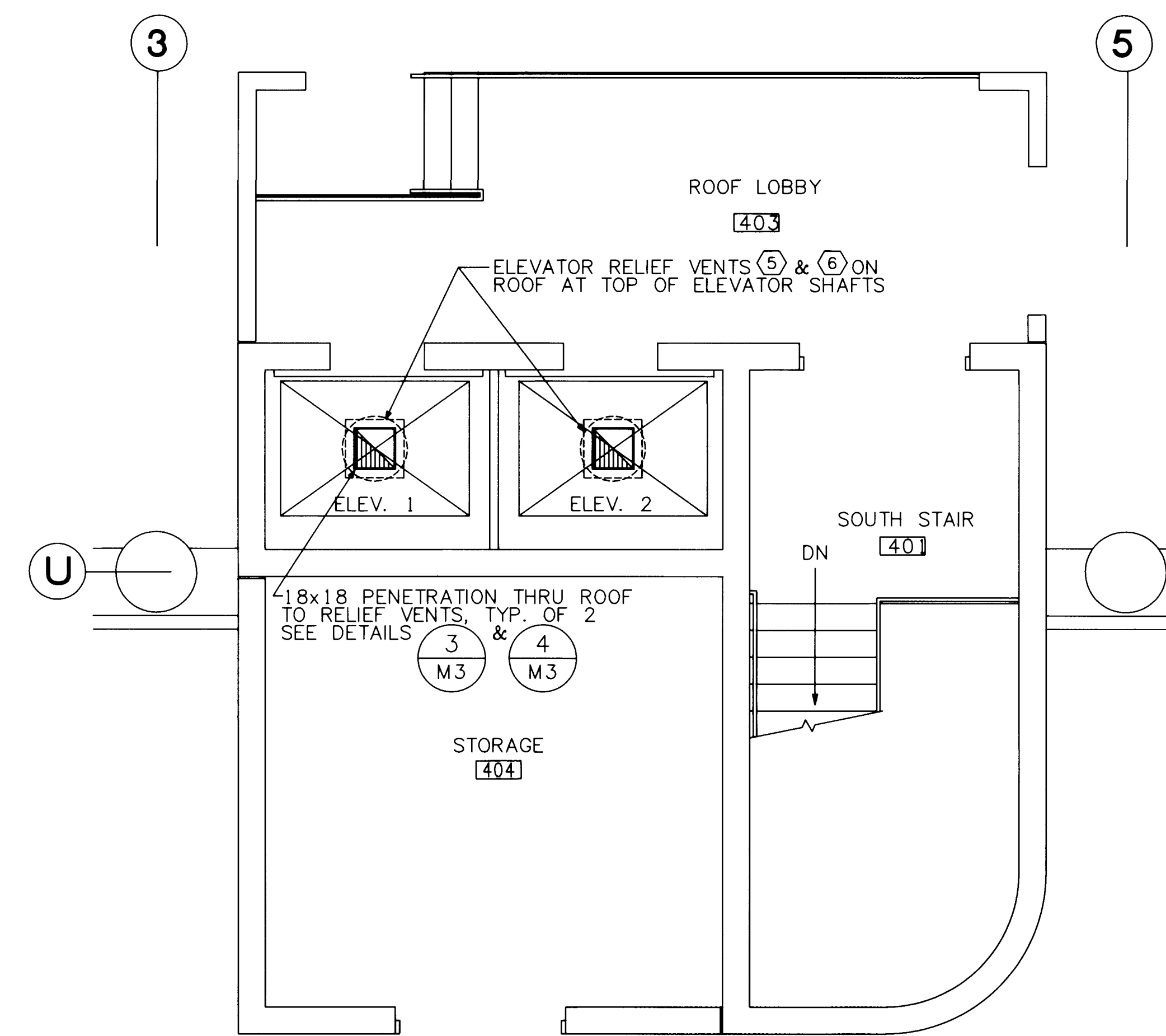
OF 67



EXIT PLAN - LEVEL 1
SCALE: 1/4"=1'-0"



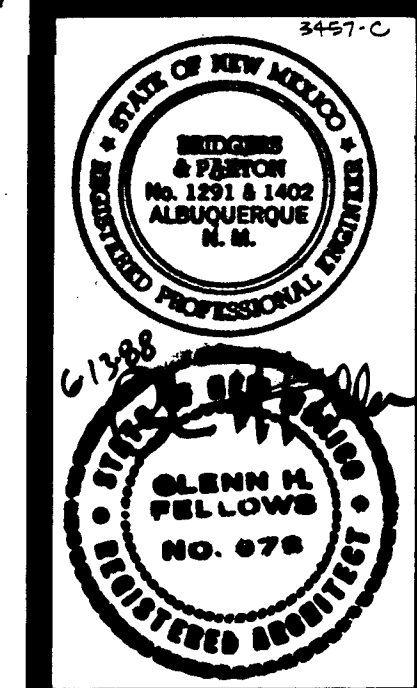
SOUTH STAIR - GROUND
SCALE: 1/4"=1'-0"



SOUTH STAIR - UPPER LEVEL
SCALE: 1/4"=1'-0"



C of A / WD Mays & Remberts
26 27 36 52 91

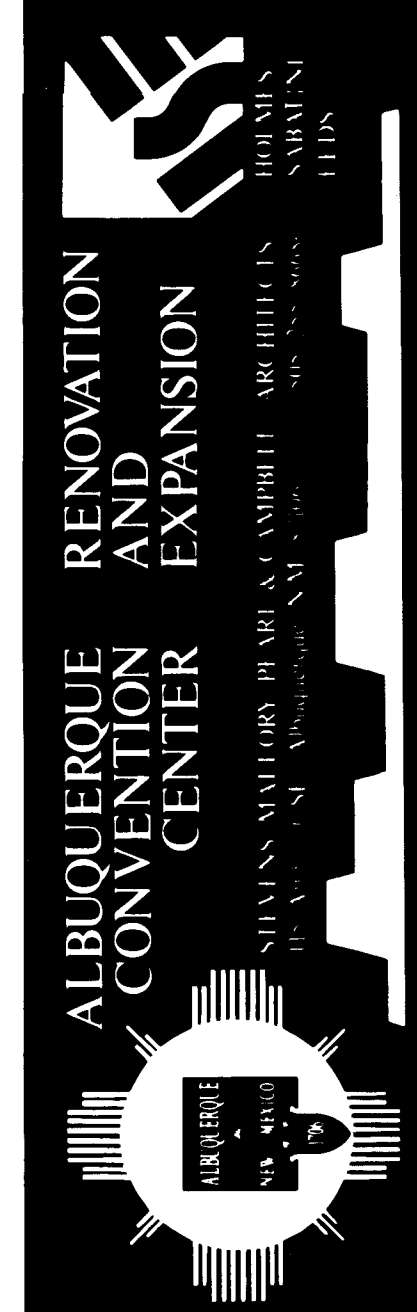


REVISED DATE
AS-BUILT 7-4-90

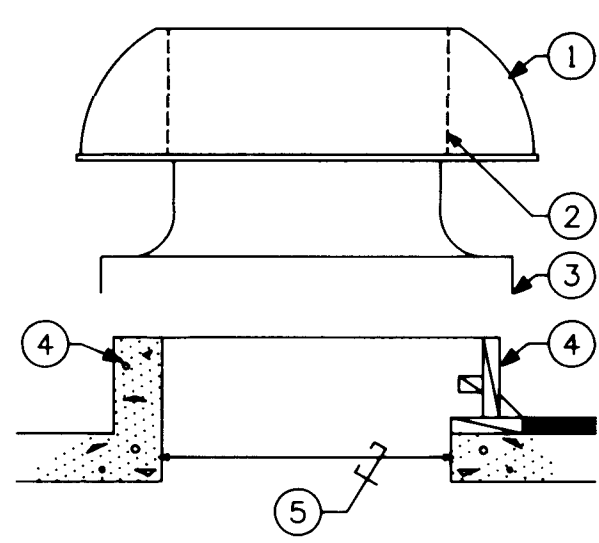
DRAWN BY
EAC

CHECKED BY
EAC

PARKING STRUCTURE
SOUTH STAIR PLANS
EXIT PLAN LEVEL 1



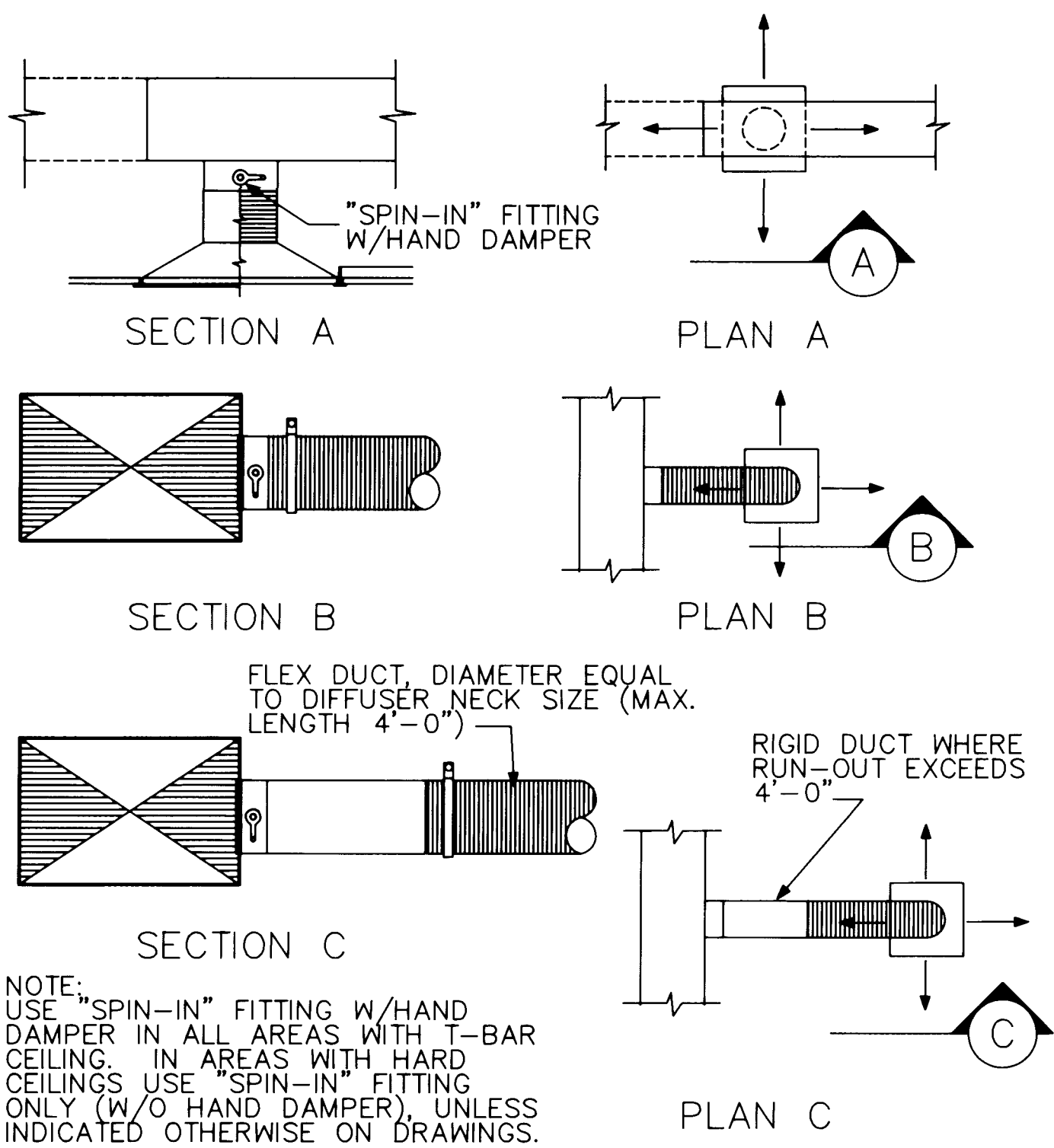
SHEET
M-2
OF 67



- KEYED NOTES:
- 1 RELIEF VENT
 - 2 BIRDSCREEN
 - 3 INTEGRAL CURB CAP SECURE AND CAULK TO CURB
 - 4 ROOF CURB - SEE DETAIL (3) M3
 - 5 ROOF OPENING - MIN. 1" LARGER THAN DUCT SIZE AS SHOWN ON PLANS

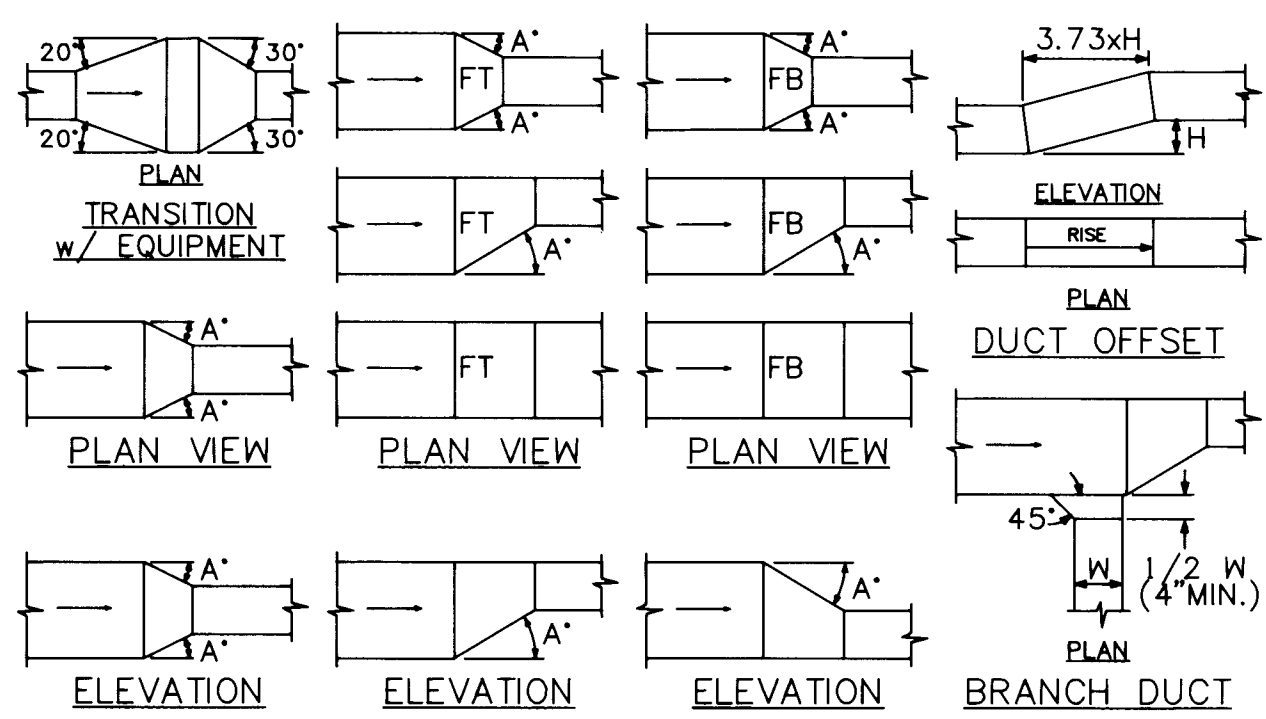
RELIEF VENT DETAIL

4
M3



DIFFUSER CONNECTION DETAIL

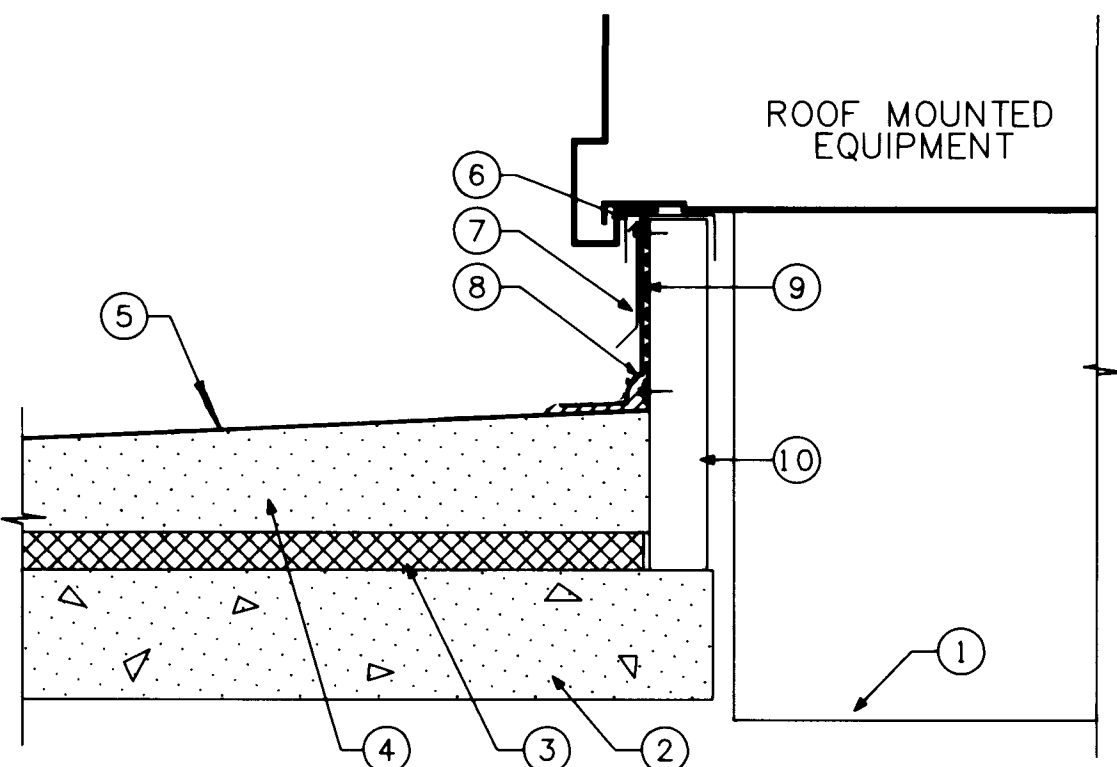
1
M3



- NOTES:
1. ANGLE A=30° WHEN AIR FLOWS IN DIRECTION OF ARROW (SUPPLY AIR)
 2. ANGLE A=15° WHEN AIR FLOWS IN OPPOSITE DIRECTION OF ARROW (R.A. OR EXHAUST)

LOW VELOCITY DUCT FITTINGS DETAIL

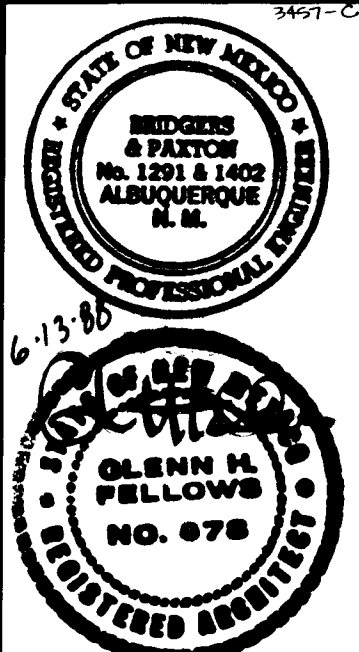
2
M3



- KEYED NOTES:
- 1 DUCT PENETRATION THRU ROOF, SEE FLOOR PLANS FOR SIZE & LOCATION
 - 2 ROOF STRUCTURE, SEE ARCHITECTURAL FOR TYPE & THICKNESS
 - 3 RIGID INSULATION, SEE ARCHITECTURAL
 - 4 INSULATION CEMENTITIOUS FILL
 - 5 MEMBRANE ROOFING, SEE ARCHITECTURAL
 - 6 METAL CAP
 - 7 COUNTERFLASHING
 - 8 FLASHING
 - 9 BONDING ADHESIVE
 - 10 PREFABRICATED ROOF CURB

ROOF CURB DETAIL

3
M3

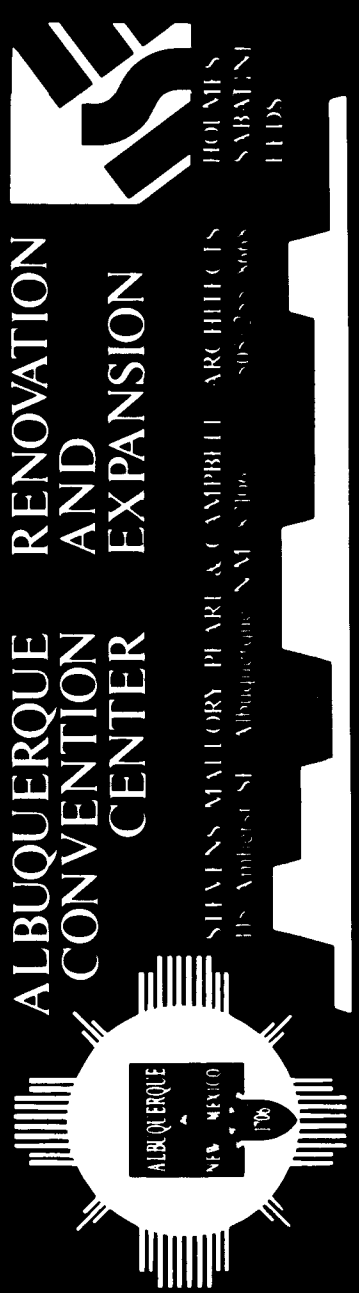


REVISED DATE
AS-BUILT 7-4-90

THIS SHEET IS PART OF A SET OF DRAWINGS FOR THE PROJECT IDENTIFIED BY THE PROJECT NUMBER AND TITLE SHOWN ON THE COVER SHEET.

PARKING STRUCTURE

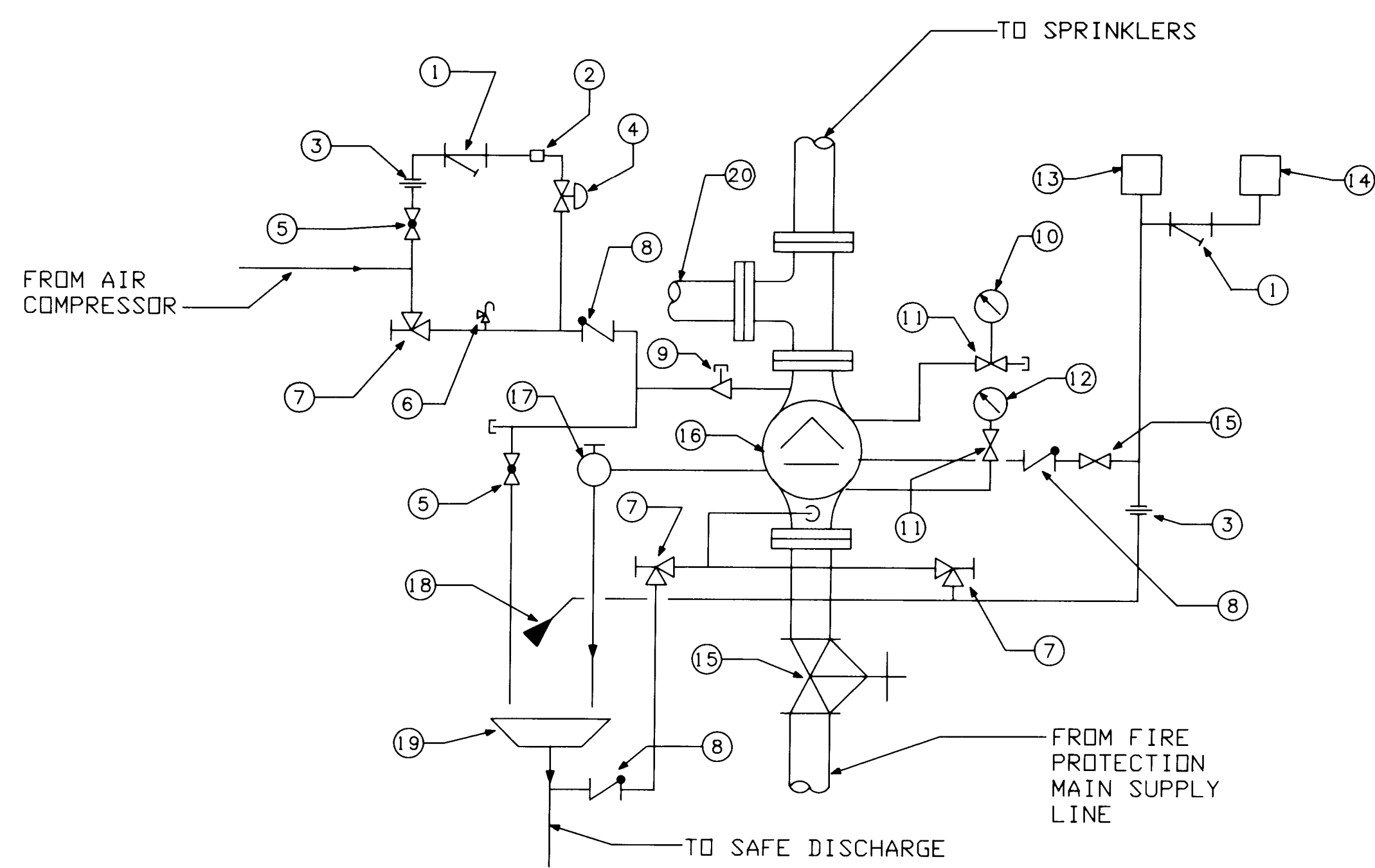
MECHANICAL DETAILS



SHEET

M-3

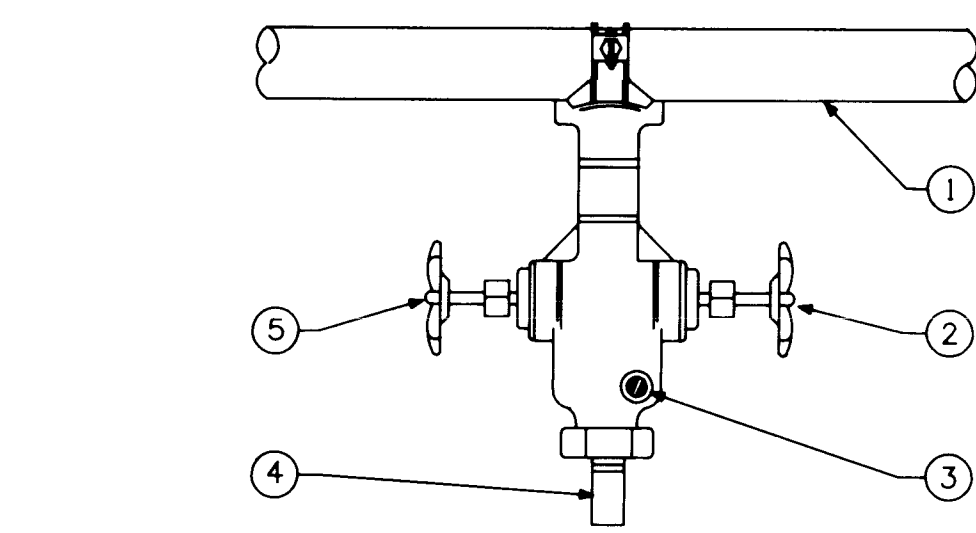
OF 67



- 1 STRAINER
- 2 RESTRICTOR
- 3 UNION
- 4 PRESSURE REGULATOR
- 5 GLOBE VALVE
- 6 PRESSURE RELIEF VALVE
- 7 ANGLE VALVE
- 8 CHECK VALVE
- 9 REDUCING TEE WITH PLUG
- 10 AIR PRESSURE GAUGE
- 11 THREE WAY VALVE
- 12 WATER PRESSURE GAUGE
- 13 PRESSURE SWITCH
- 14 WATER MOTOR ALARM
- 15 O.S.&Y. VALVE
- 16 ALARM CHECK VALVE
- 17 DRIP CHECK
- 18 RESTRICTED ELBOW
- 19 DRAIN CUP
- 20 FROM SIAMESE INLET

DRY SPRINKLER ALARM VALVE DETAIL

3
P-1



- 1 SPRINKLER MAIN (FOR SIZES, SEE FLOOR PLANS)
- 2 TEST VALVE
- 3 SIGHT GLASS
- 4 DISCHARGE DRAIN LINE, FOR SIZES AND CONTINUATION SEE FLOOR PLANS
- 5 DRAIN VALVE

INSPECTORS TEST CONNECTION

2
P-1

LEGEND	
SYMBOL	DESCRIPTION
---	COLD WATER
---	HOT WATER
---	VENT
---	SANITARY SEWER
---	STM
---	FP
---	DISCHARGE DRAIN LINE
---	FLOW ARROW
---	WATER PRESSURE REGULATOR
---	WALL HYDRANT/HOSE BIBB
---	GATE VALVE
---	WCO
---	FLOOR CLEANOUT
---	DSFP
---	FLOW SWITCH
---	DROP OR RISE
---	INSPECTORS TEST VALVE
---	O.S. & Y VALVE
---	CAPPED CONNECTION
---	FD
---	FS
---	AD
---	AREA DRAIN
---	VALVE IN RISER

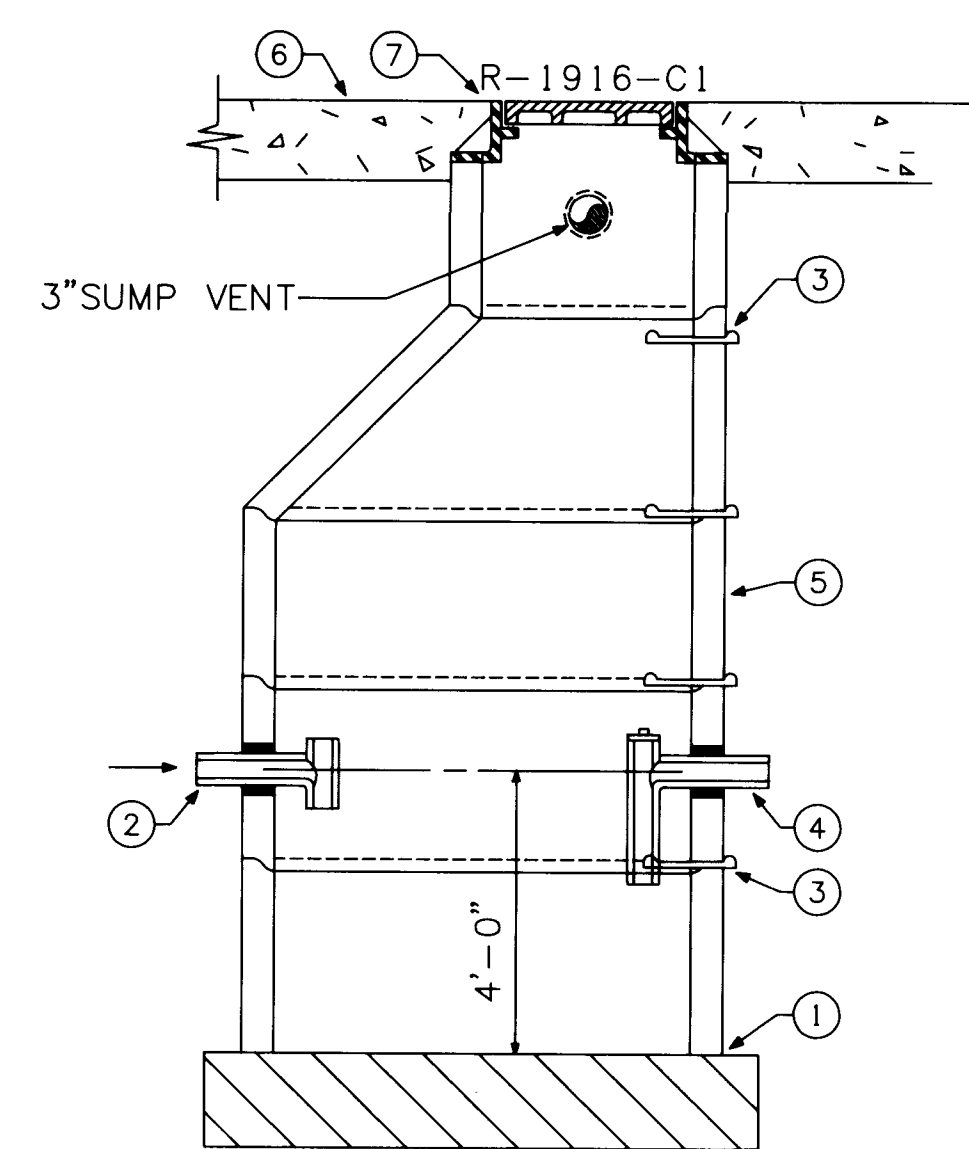
PLUMBING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	ROUGH-IN-SIZE			REMARKS
		WASTE	CW	HW	
P-1	HOSE BIBB	—	3/4"	—	ROUGH BRASS
P-2	WATER CLOSET	4"	1 1/4"	—	FLR. MTD., BACK OUTL
P-3	LAVATORY	1 1/2"	1/2"	1/2"	WALL HUNG
P-4	ELECTRIC WATER COOLER	1 1/4"	1/2"	—	WALL MOUNTED
P-5	INSTANTANEOUS WATER HEATER	—	1/2"	1/2"	WALL MOUNTED

PLUMBING FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
P-1	HOSE BIBB: TYPE: 3/4" INLET, 3/4" OUTLET, NON-REMOVABLE VACUUM BREAKER, MFG: ROUGH BRASS FINISH, LODGE KEY HANDLE WOODFORD MODEL No. 21-P-3/4
P-2	WATER CLOSET: TYPE: FLOOR MOUNTED, TANK TYPE, BACK OUTLET, SIPHON JET, MFG: ELONGATED, VITREOUS CHINA KOHLER No. K-3537-PB SEAT: SOLID PLASTIC, OPEN FRONT, CHECK HINGE, ELONGATED KOHLER No. 4470-C SUPPLY: POLISHED CHROME, WHEEL HANDLE ANGLE STOP
P-3	LAVATORY: TYPE: WALL HUNG, 18" x 15", 4" FAUCET CENTERS, VITREOUS CHINA MFG: ZURN, WADE, JOSAM, OR SMITH CARRIER: 4" CENTERS, POLISHED CHROME FAUCET: CHICAGO No. 1802A WITH No. 1000 HANDLES & No. E12 MFG: SOFTFLD AREATOR DRAIN: GRID WITH 1 1/4" TAILPIECE SUPPLIES: 1/2" x 3/8" WHEEL HANDLE ANGLE STOPS WITH 3/8" D.D. FLEX TRAP: RISERS 1 1/4" 17 GA. TUBULAR ADJUSTABLE P-TRAP, POLISHED MTD. HEIGHT: REGULAR
P-4	ELECTRIC WATER COOLER: TYPE: WALL MOUNTED WITH CAPACITY OF 8 GPH WITH INLET TEMPERATURE OF 80 DEGREES F. AND ROOM TEMPERATURE OF 90 DEGREES F. MFG: SUNROC No. CSW-8 TRAP: 1 1/2" x 1 1/4" 17 GA. TUBULAR ADJUSTABLE P-TRAP CARRIER: ZURN, WADE, JOSAM, OR SMITH
P-5	INSTANTANEOUS WATER HEATER: TYPE: TANKLESS TYPE, ADJUSTABLE AUTOMATIC THERMOSTAT, 7.5 KW. MFG: THERMAR No. EX-75-1

FLOOR DRAIN SPECIFICATIONS

SYMBOL	DESCRIPTION
FD-1	FLOOR DRAIN: TYPE: HEAVY DUTY, SEEPAGE PAN, 15" HEAVY DUTY SLOTTED CAST IRON MFG: GRATE, CLAMPING COLLAR, VANDAL PROOF SCREWS, DIAMETER OF OUTLET AS SHOWN ON DRAWINGS ZURN NO. Z-503
FS-1	FLOOR SINK: TYPE: CAST IRON BODY WITH WHITE ACID RESISTING INTERIOR, ANTI- MFG: SPLASH BOMB STRAINER, HEAVY DUTY SLOTTED LODGE SET GRATE, SIZE OF OUTLET AS SHOWN ON DRAWINGS ZURN 2-1900



- 1 8" CONCRETE FOOTING WITH #4 REBAR AT 12" O.C. EACH WAY
- 2 FOR INLET INVERT ELEVATION, REFER TO PLUMBING FLOOR PLANS
- 3 CAST IRON STEPS, "NEENAH" No. 1918-J
- 4 FOR CONTINUATION OF SERVICE PIPING, REFER TO PLUMBING FLOOR PLANS
- 5 48" DIAMETER STANDARD PRECAST REINFORCED CONCRETE PIPE
- 6 FUTURE CONCRETE SLAB, SEE ARCH. DRAWINGS FOR DIMENSIONS
- 7 ROUND WATER TIGHT MANHOLE AND FRAMES, MODEL No. AS INDICATED

SAND & OIL INTERCEPTOR DETAIL

1
P-1

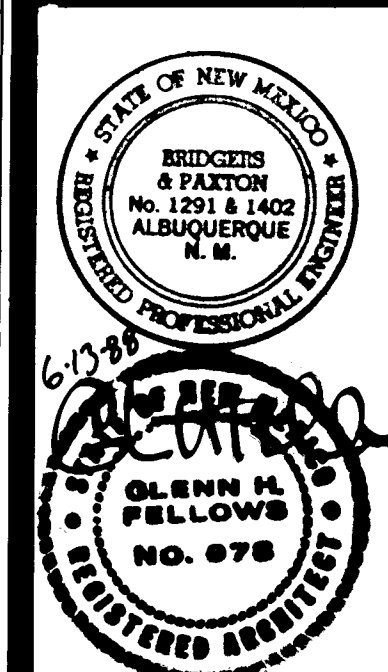
C. (A. P. W.) Mays & Records
2/6/12 2/7/12 3/6/12 4/9/12

SOUTH STAIR - GROUND

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

RESTROOM GROUP AT LEVEL ONE

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



REVISED DATE
AS-BUILT 7-4-90

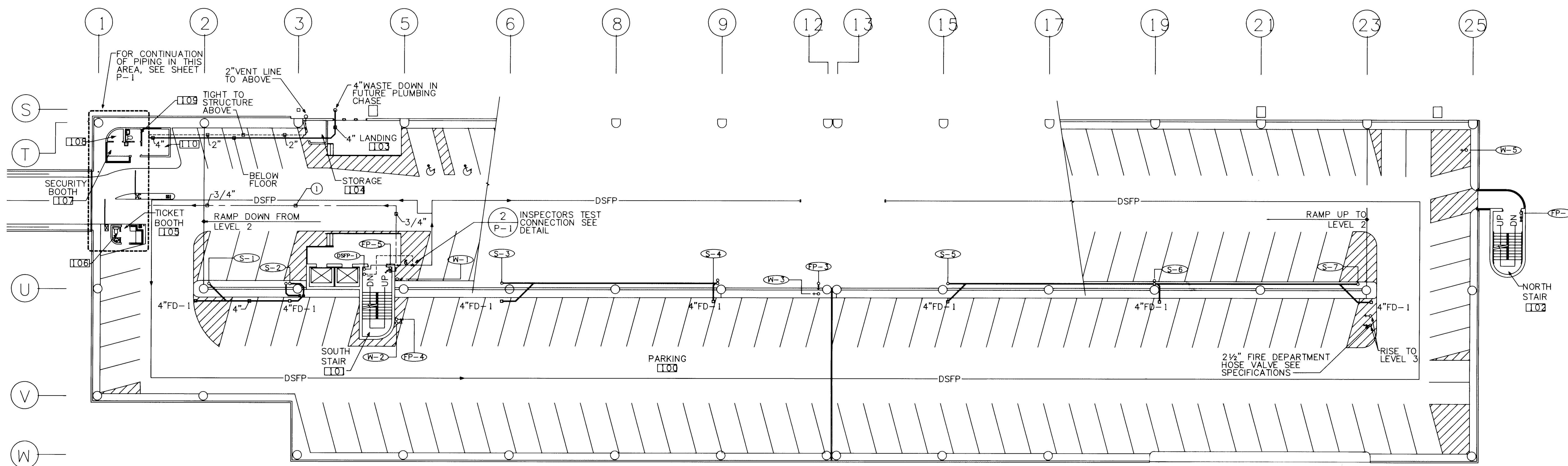
PARKING STRUCTURE
PLUMBING FIXTURE
SPECIFICATIONS



SHEET

P-1

OF 67

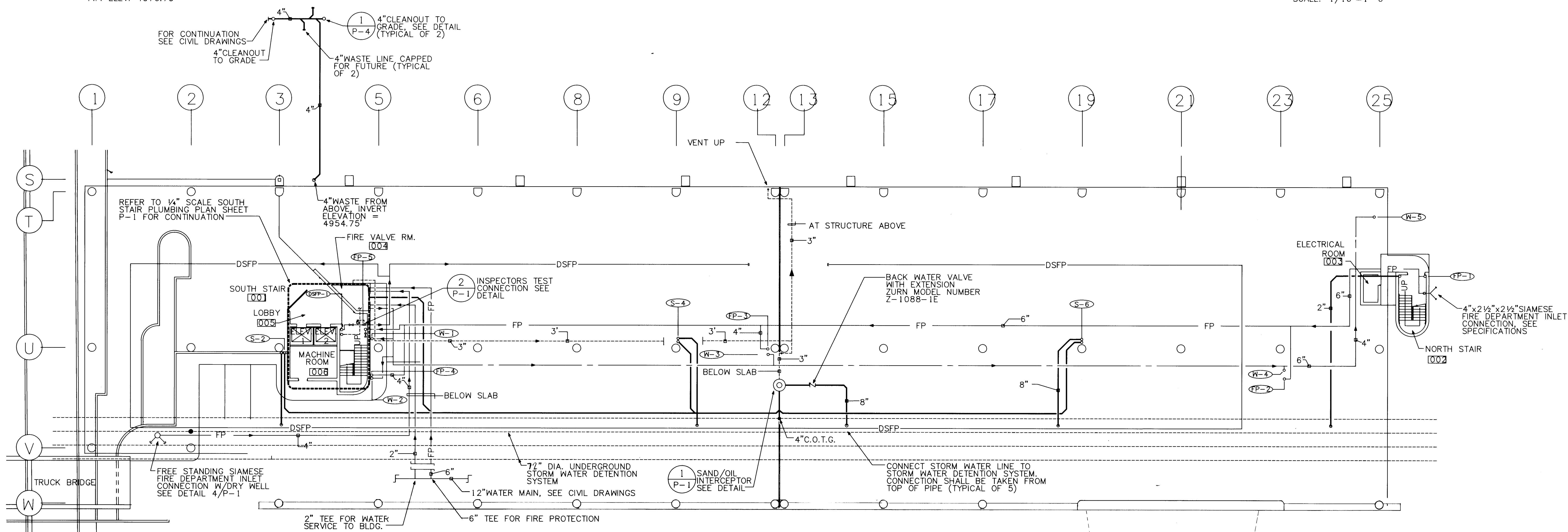


KEYED NOTES

1 COLD WATER SUPPLY LINE SHALL BE TRACED WITH WEATHERPROOF HEAT TAPE WITH WEATHERPROOF THERMOSTAT, CHROMOLOX DLR-5161 OR APPROVED EQUIVARIANT

LEVEL 1
F.F. ELEV. 4976.79

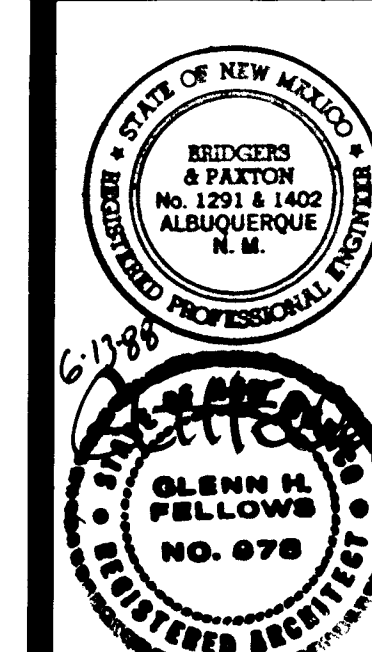
SCALE: 1/16"=1'-0"



GROUND LEVEL PLAN
F.F. ELEV. 4956.79

SCALE: 1/16"=1'-0"

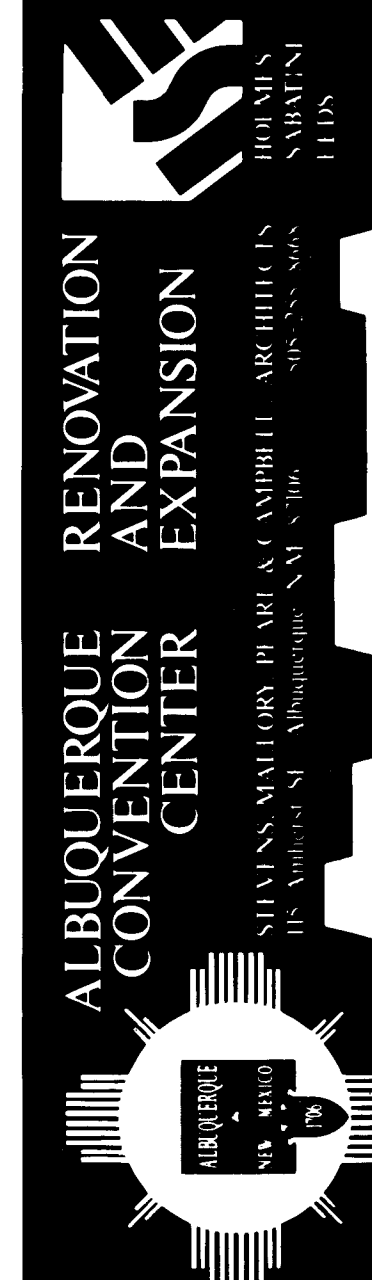
GRAPHIC SCALE: 1/16"=1'-0"
0 10 25 50'



REVISED DATE
AS-BUILT 7-4-90

DRAWN BY: A.J.B. CHECKED BY: R.J.S.

**PARKING STRUCTURE
GROUND & LEVEL ONE PLANS**

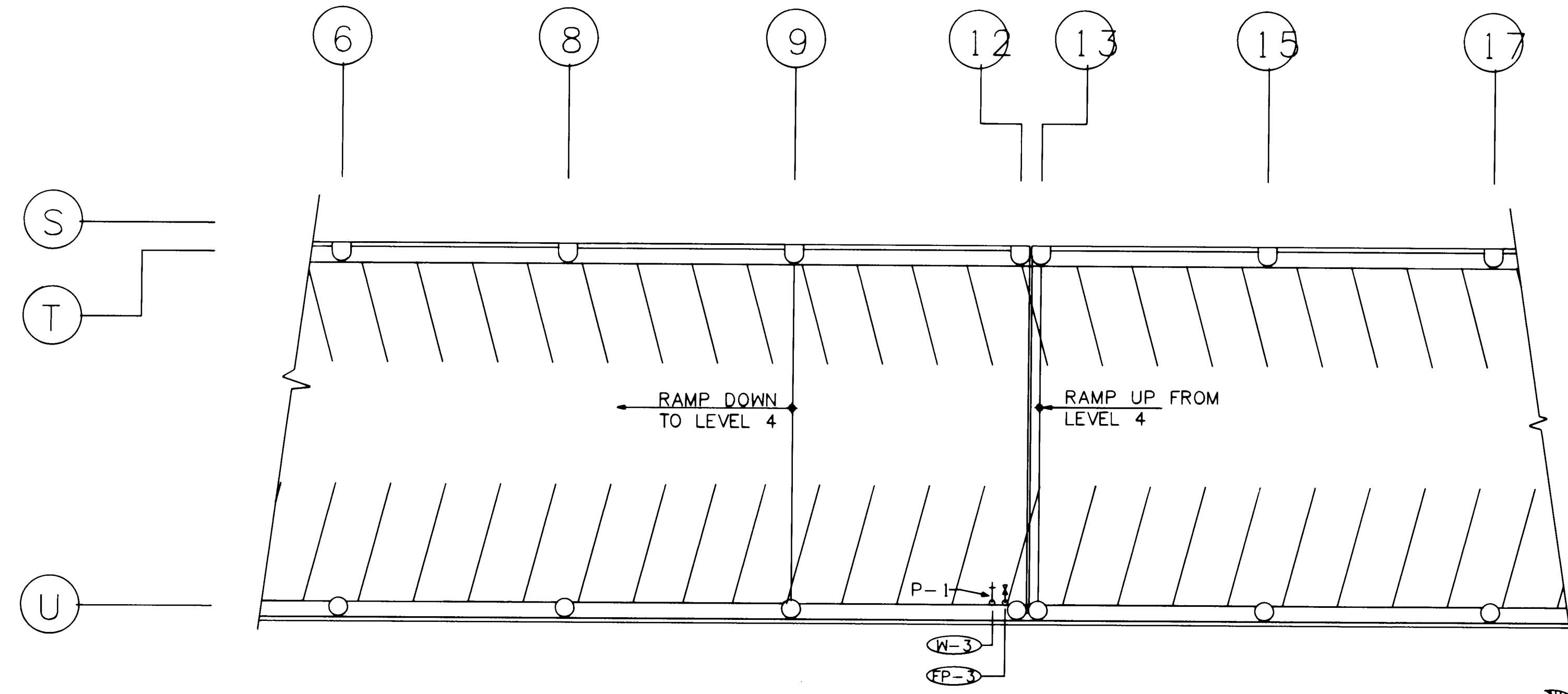


ALBUQUERQUE CONVENTION CENTER EXPANSION
STATIONARY PLUMBING AND MECHANICAL
DESIGNED BY: [Firm Name]
DATE: [Date]

SHEET

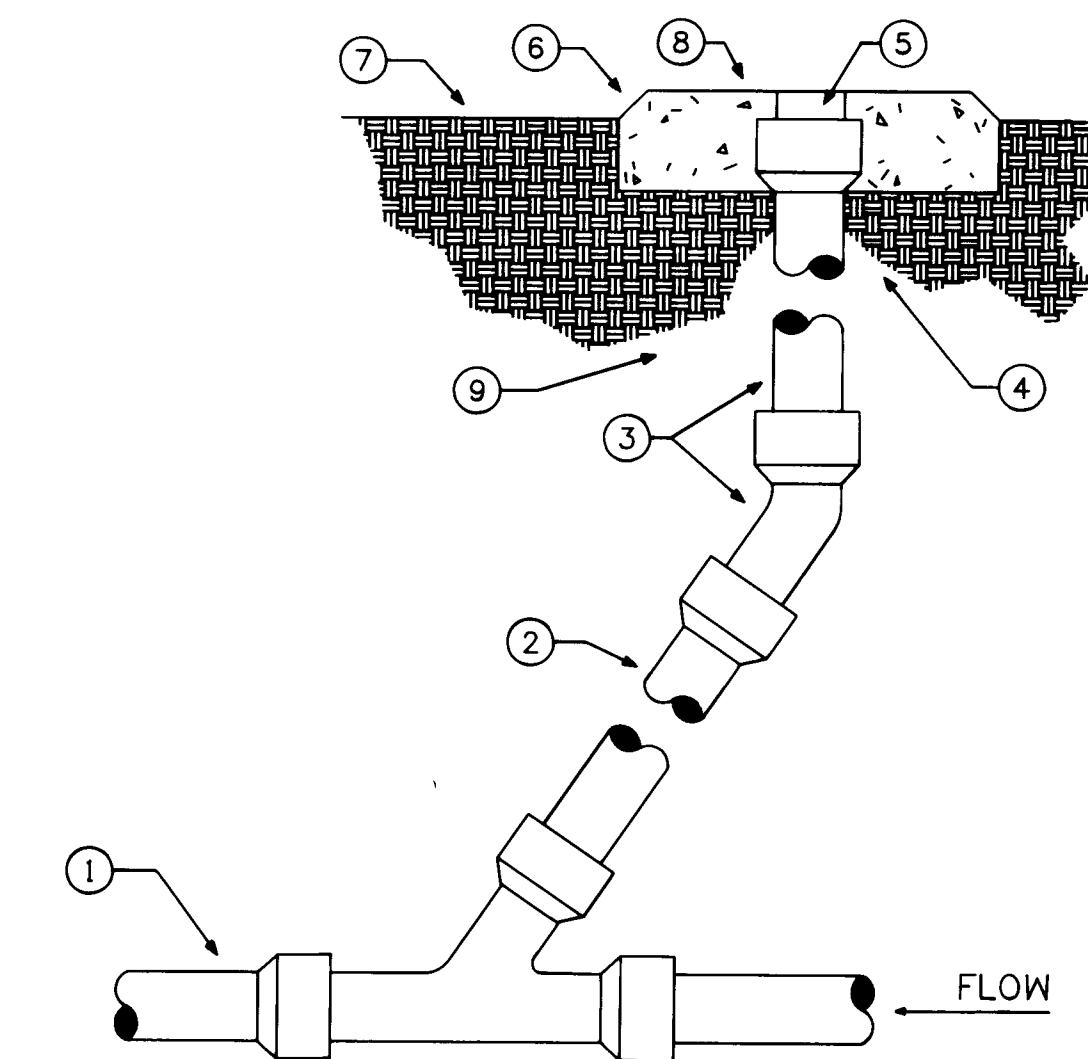
P-2

OF 67



UPPER LEVEL RAMP - PLUMBING

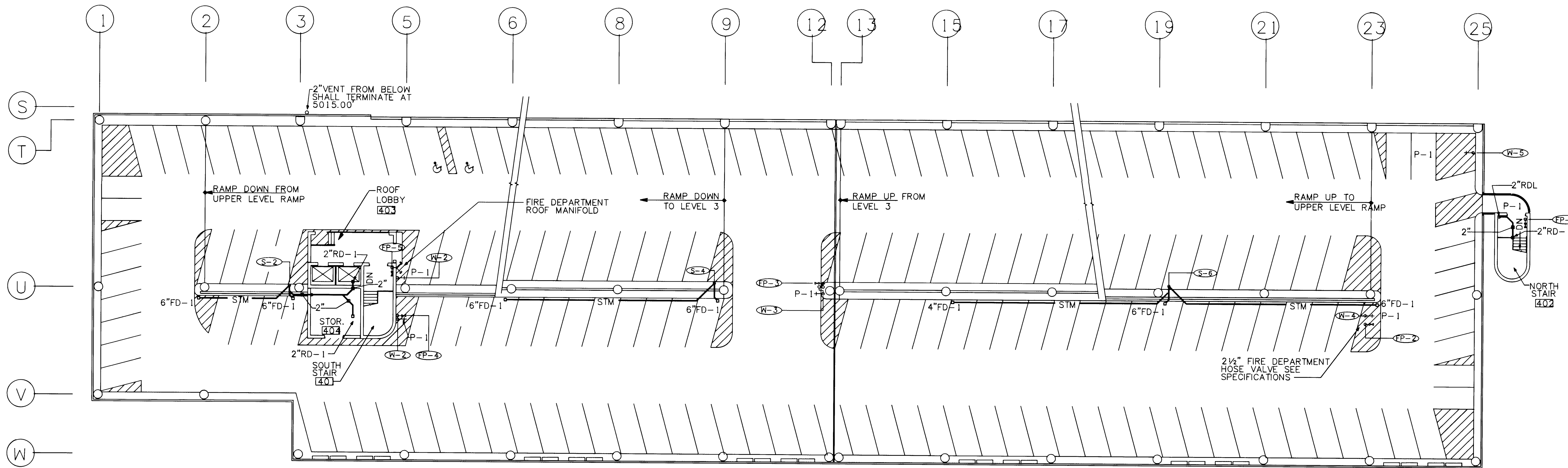
SCALE: 1/16"=1'-0"



- 1 SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS
- 2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED
- 3 CAST IRON SOIL PIPE RISER AND FITTINGS
- 4 95% COMPACTION, SEE SPECIFICATIONS
- 5 IRON FERRULE, WITH A BRASS COUNTER-SUNK SCREW PLUG
- 6 2" CHAMFER ON ALL COLLARS IN EARTH
- 7 FINISH GRADE, SEE SITE DWG. FOR ELEVATIONS
- 8 18"x18"x4" THICK CONCRETE COLLAR
- 9 90% COMPACTION, SEE SPECIFICATIONS

CLEANOUT TO GRADE DETAIL

1
P-4



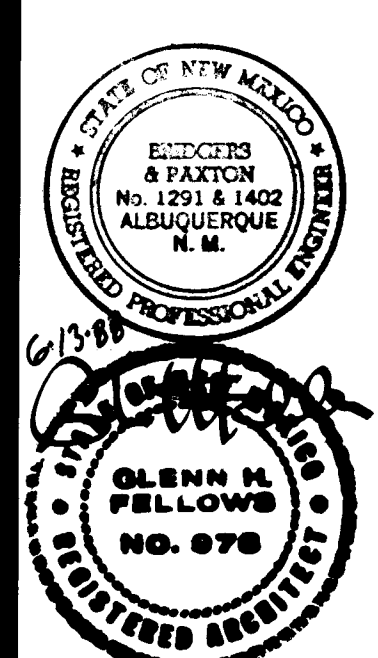
LEVEL 4 - PLUMBING

SCALE: 1/16"=1'-0"

GRAPHIC SCALE: 1/16"=1'-0"
0' 10' 25' 50'



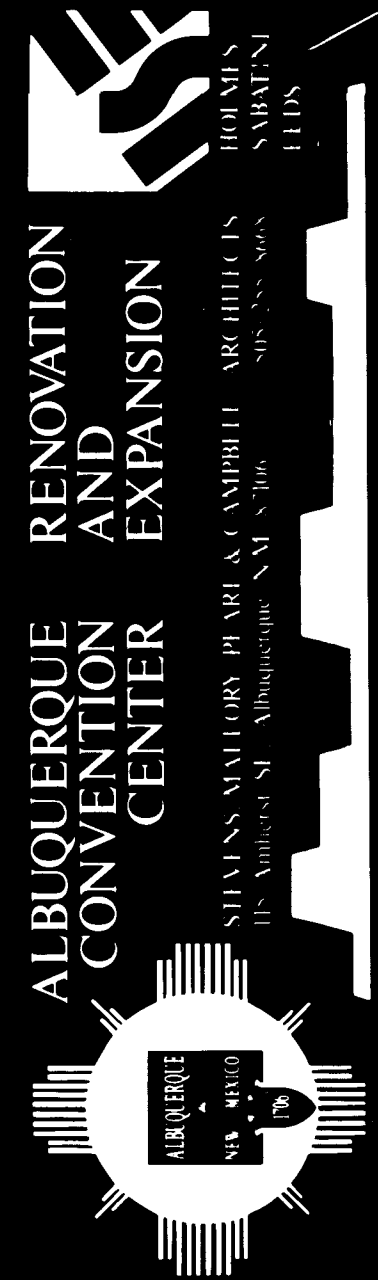
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REVISION DATE
AS-BUILT 7-4-90

PARKING STRUCTURE

UPPER LEVEL RAMP & LEVEL 4

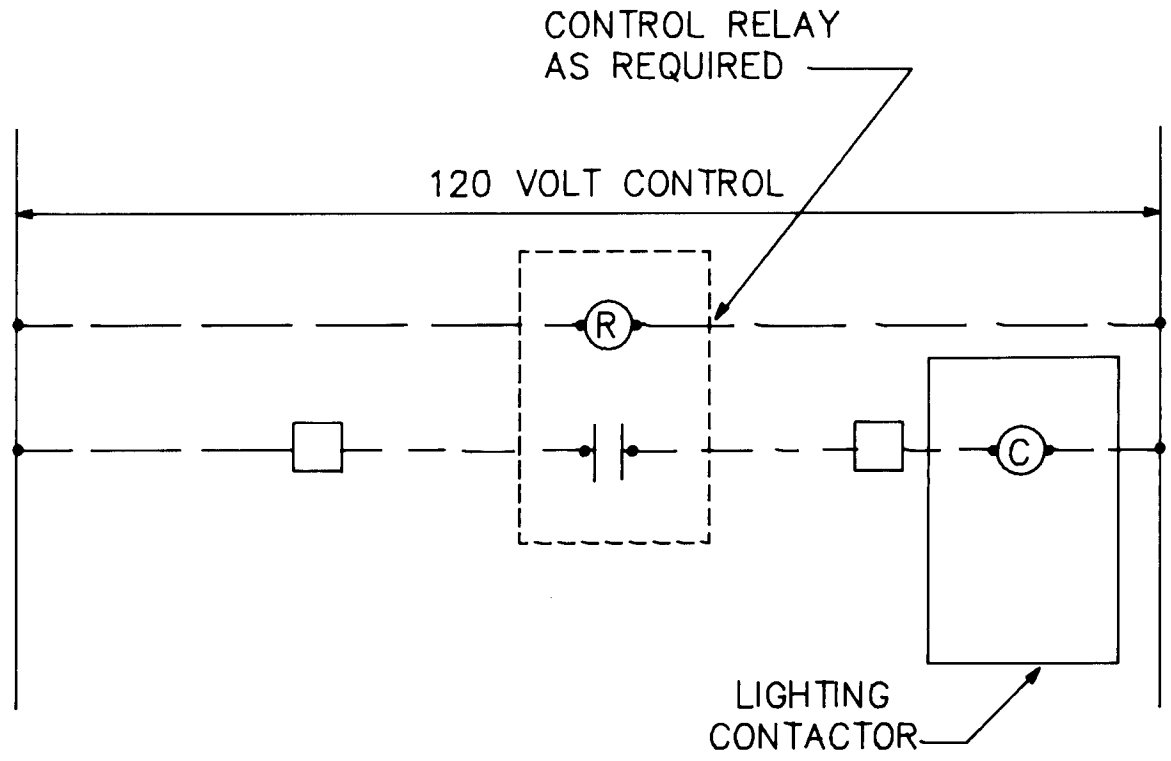


SHEET

P-4

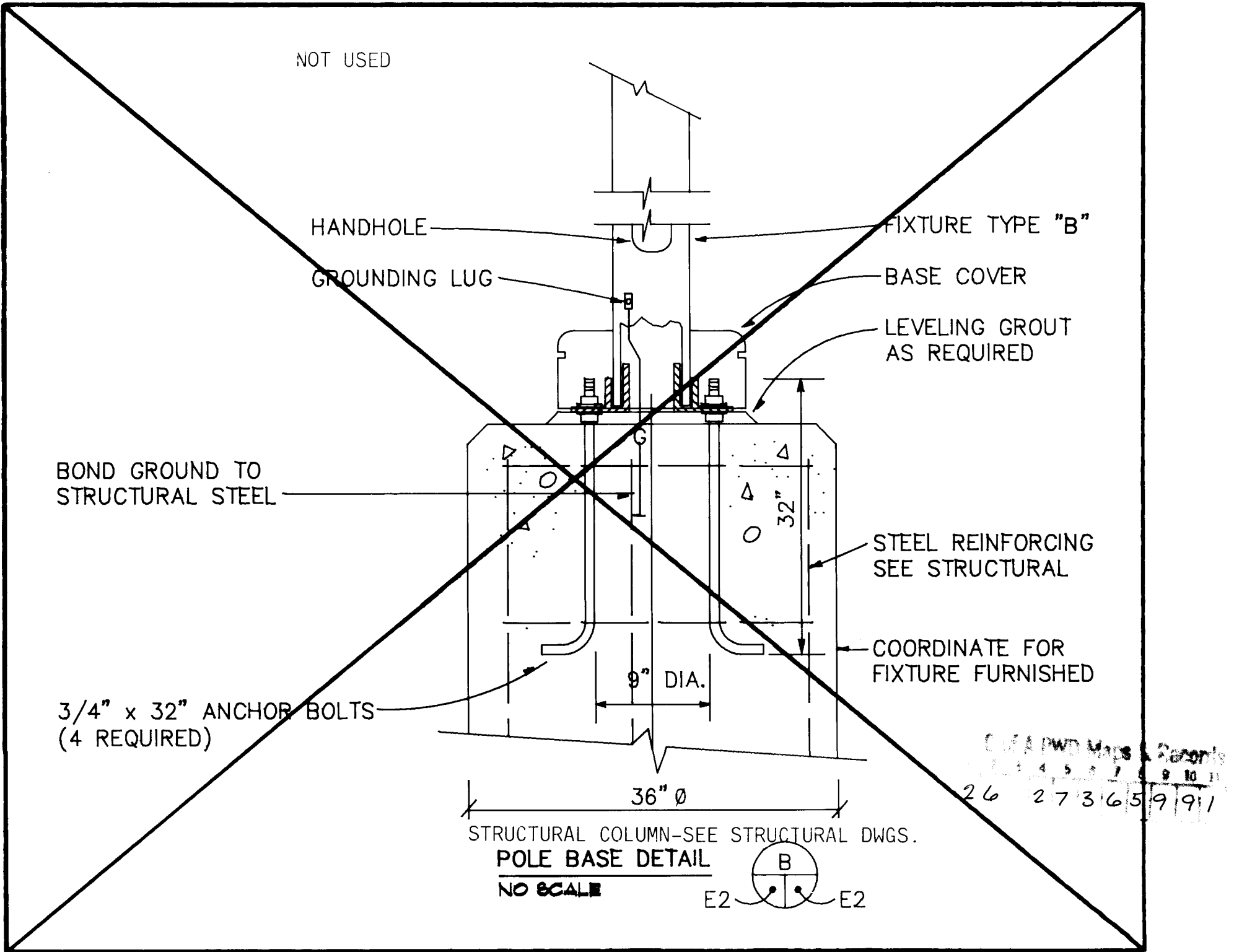
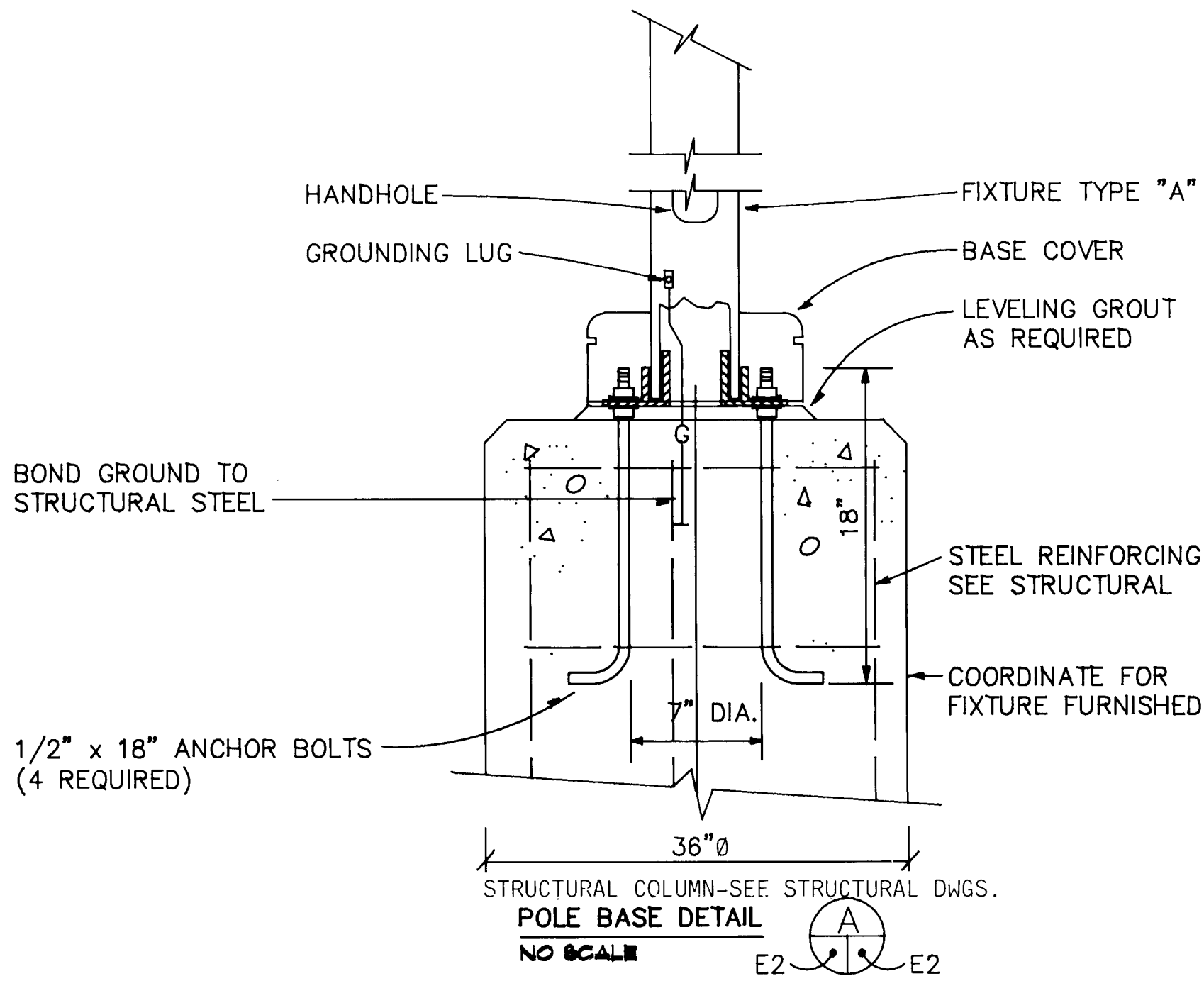
OF 67

FIXTURE SCHEDULE ⑤									
TYPE	MOUNTING	LAMPS	VOLTS	MANUFACTURER	TYPE	MOUNTING	LAMPS	VOLTS	MANUFACTURER
A ① ② ③	POLE MTD.— 12 POLE. SEE DETAIL (A) E2—E2 STRAIGHT	1—250WMH CLEAR	277	POST TOP LUMINAIRE W/ 6063-TP ALUM. POLE & BASE COVER. ACCEPTABLE MFGRS. & CATALOG NUMBERS ARE AS FOLLOWS: GARDCO #CP17-1 ② 277V—250MH—③—12— AF—③—② EMCO #RSP-11L— 250H—②—277V/ 3RSA2A12—③ ② / BC	H ⑨	WALL MOUNT AT BOTTOM OF BEAM	BY MFR.	6V	REMOTE EMERGENCY LIGHTING FIXTURE. DUAL-LITE #BRF
B	NOT USED				J ⑨	CEILING MOUNT	BY MFR.	277V	SINGLE FACE EXIT LT. WITH BATTERY BACK— UP. DYNARAY #DR822 DUAL-LITE #CSGNB— 2K—BEP SURE-LITE #UN1—SRW SILTRON #UX—ESC—SR CHLORIDE #BCKN1 EMERGILITE #SNX21
					K ⑨	CEILING MOUNT	BY MFR.	277V	DOUBLE FACE EXIT LT. W/ BATTERY BACK—UP DYNARAY #DR822 DUAL-LITE #CSGNB— 2K—BEP SURE-LITE #UN2—SRW SILTRON #UX—ESC—DR CHLORIDE #BCKN2 EMERGILITE #SNX22
					L	CEILING MOUNT	2—F40—CW	277V	FLUORESCENT STRIP W/ ENERGY SAVING BALLAST—WILLIAMS #7722 BENJAMIN #S-24-4— 277—ESB METALUX #SS-240— 277—LES KEENE #CS240RS LITHONIA #UN240
					M	RECESSED CEILING	1—150W A—21 130 VOLTS	120V	ELLIPSOIDAL REFLEC. DOWNLT. W/ MILLI— GROOVE BAFFLE. LIGHTOLIER #7784—A8 CAPRI #AE01X-1001 HALO #17700T— 1650BA PRESCOLITE #1054— 720
C ③ ④	SURFACE CEILING	1—175W MH CLEAR	277V	EXTRUDED ALUMINUM GARAGE LUMINAIRE. ACCEPTABLE MFGS. & CATALOG NUMBERS ARE AS FOLLOWS: GARDCO #SCA14—D— VS-175MH-277V—BRA EMCO #SHA—VSP-175	N	SEMI-RECESSED IN WALL. SEE DETAIL (A) E2—E3	1—70W MH	277V	DIE-CAST ALUM.—LOW LEVEL AREA LIGHT. PRESCOLITE #93147— H7—(SPECIAL TRIM) McGRAW #W310722— 9—BZ/GC
D ③ ④	SURFACE CEILING	1—175W MH CLEAR 1—150W QUARTZ	277V	EXTRUDED ALUMINUM GARAGE LUMINAIRE. W/ QUARTZ RESTRIKE APPROVED MFR'S. CATALOG NUMBERS ARE AS FOLLOWS: GARDCO #SCA14—D— VS-175MH-277V—BRA EMCO #SHA—VSP-175	P	RECESSED IN IN WALL— SIMILAR TO DETAIL (A) E2—E3	1—70W MH	277V	DIE-CAST ALUM.—LOW LEVEL AREA LIGHT. PRESCOLITE #93147— H7— McGRAW #W310722— 9—BZ
E	SEMI-RECESSED IN WALL. SEE DETAIL (A) E2—E3	25W PL	120V	DIE-CAST ALUM.—LOW LEVEL AREA LIGHT. PRESCOLITE #93147— H7—(SPECIAL TRIM) McGRAW #W310722— 9—BZ/GC	Q ⑨	WALL MOUNT ABOVE DOOR	BY MFR.	277V	END MOUNT DOUBLE FACE EXIT LIGHT W/ BATTERY BACKUP. DYNARAY #DR823 DUAL-LITE #CSGNB— 2K—BEP SURE-LITE #4N2—SRW SILTRON #4X—ESC—DR CHLORIDE #BCKN2 EMERGILITE #SNX22
F ⑨	SURFACE CEILING	BY MFR. 1—12W ETZ	120V	EMERGENCY LTG. UNIT TWO RATE CHARGER, LEAD SEALED BATTERY DYNARAY #DR800, 6V DUAL LITE #EPS-120V SURELITE #R4C-1-40 SILTRON #SQE-6 CHLORIDE #SPUL EMERGILITE #PSE-9	R	CEILING MOUNT	2—60W—A19	120V	DROP OPAL DRUM DEVINE #A182—INC HALO #12710
G ⑨	SURFACE CEILING	BY MFR.	277V	BATTERY UNIT W/ 2 ADJ. HEADS, VANDAL RESIS. HOUSING, DUAL —LITE #Z2—VRS-4X SURELITE #DR2-12 CHLORIDE #CEL W/LVS	S	WALL MOUNT VERTICAL IN ELEV. SHAFT	2—F40—CW	277V	FLUORESCENT STRIP ENERGY SAVING BALLAST, WIREGUARD WILLIAMS #7722/WG BENJAMIN #S-24-4, CG-4—277V ESB METALUX #SS-240— WG KEENE #CS240RS W/WG LITHONIA #UN240/WG9
					T	RECESSED CEILING	1—250W—T4 QUARTZ	120V	ELLIPSOIDAL REFLECTOR DOWNLIGHT WITH MULTIGROOVE BAFFLE LIGHTOLIER #7084—A8 HALO #17684T— 1650BA PRESCOLITE #1052— 730
G ⑨	SURFACE CEILING	BY MFR.	277V		U	RECESSED CEILING	1—500W—T4 QUARTZ	120V	ELLIPSOIDAL REFLECTOR DOWNLIGHT WITH MULTIGROOVE BAFFLE LIGHTOLIER #7084—A8 HALO #17684T— 1650BA PRESCOLITE #1056— 770



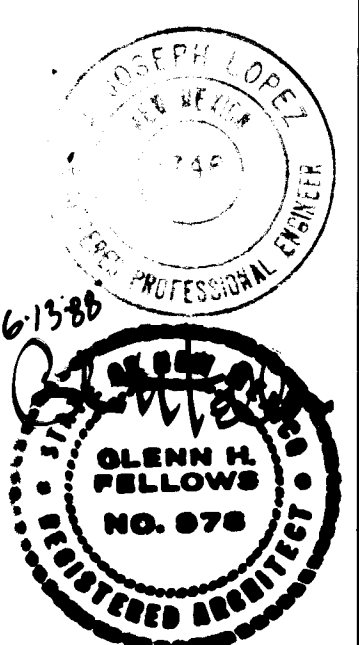
TYPICAL LIGHTING CONTROL
NO SCALE

LEMCS LIGHTING CONTROL SCHEDULE							
LIGHTING CONTACTOR NO.	LOCATION ROOM NO.	DRAWING NO. AND CONTROL DESCRIPTION	NO. OF POLES	SYSTEM VOLTAGE	CONTACTOR TERMINAL NO.	TIME CLOCK CIRCUIT NO.	REMARKS
LC1	003	E4—LIGHTING	3	277	LCC1	2	PC CNTL
LC2	003	E4—LIGHTING	4	277	LCC1	5	
LC3	003	E4—LIGHTING	2	277	LCC1	6	
LC4	003	E4—LIGHTING	2	277	LCC1	7	
LC5	003	E4—LIGHTING	2	277	LCC1	2	PC CNTL
LC6	S STAIRS GROUND	E4—LIGHTING	3	277	LCC2	2	PC CNTL
LC7	S STAIRS GROUND	E4—LIGHTING	3	277	LCC2	5	
LC8	S STAIRS GROUND	E4—LIGHTING	2	277	LCC2	6	
LC9	S STAIRS GROUND	E4—LIGHTING	3	277	LCC2	7	
LC10	S STAIRS GROUND	E4—LIGHTING	2	277	LCC2	2	PC CNTL
LC11	3RD LEVEL N	E5—LIGHTING	2	277	LCC4	7	
LC12	3RD LEVEL N	E5—LIGHTING	2	277	LCC4	2	PC CNTL
LC13	3RD LEVEL S	E5—LIGHTING	3	277	LCC3	7	
LC14	3RD LEVEL S	E5—LIGHTING	3	277	LCC3	7	
LC15	3RD LEVEL S	E5—LIGHTING	2	277	LCC3	2	PC CNTL
LC16	4TH LEVEL N	E6—LIGHTING	2	277	LCC4	1	PC CNTL
LC17	4TH LEVEL S	E6—LIGHTING	2	277	LCC3	1	PC CNTL
LC18	SOUTH STAIR GROUND	E3 LIGHTING	3	277	LCC2	1	PC CNTL
LC19	2ND LEVEL N	E6—LIGHTING	2	277	LCC1	1	PC CNTL
LC20	LOBBY 005	E7—LIGHTING	2	120	LCC2	3	
LC21	LOBBY 403	E7—LIGHTING	3	120	LCC3	3	
LC22	NEON— 4TH LEVEL	E7—LIGHTING	4	120	LCC3	4	
LC23	NEON— 1ST LEVEL	E7—LIGHTING	2	120	LCC2	4	



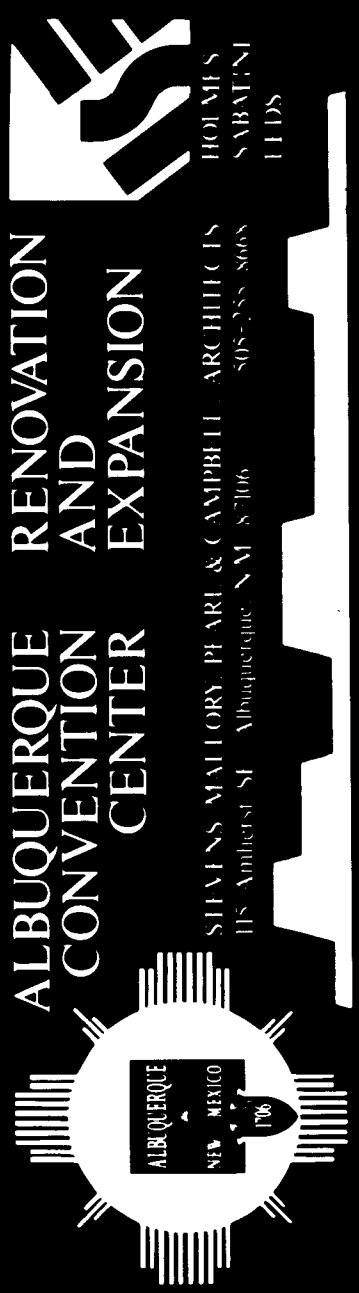
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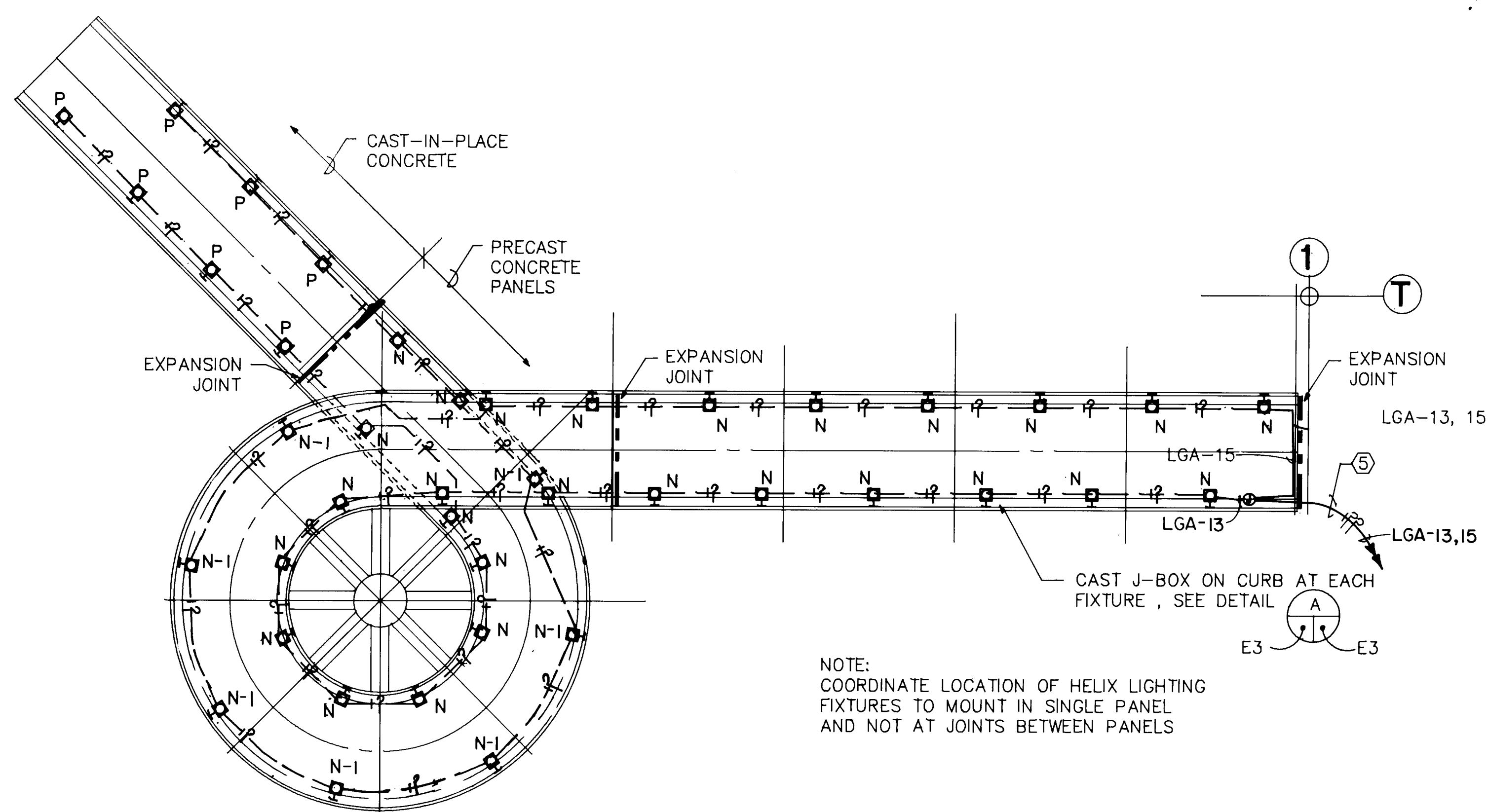
- EXTERIOR FINISH: EACH HOUSING SHALL BE ROTATIONALLY BURNISHED BEFORE PAINTING AND SHALL HAVE A CONSISTENT, SMOOTH EXTERIOR FINISH. SPINNING LINES OR GROOVES CREATED BY MULTIPLE FORMING PASSES SHALL NOT BE EVIDENT AND INTERNAL WELDS SHALL NOT DISTORT OR DISCOLOR EXTERNAL VISIBLE SURFACES. PAINT: HOUSING POLE AND BASE COVER SHALL BE FINISHED IN HARDCOAT, FADE-RESISTANT ELECTROSTATICALLY APPLIED POLYURETHANE ENAMEL. COLOR PER NOTE ③. FINISHED SCRATCHED OR DAMAGED DURING INSTALLATION SHALL BE REPAINTED OR TOUCHED-UP PER THE MANUFACTURERS RECOMMENDATION. FINAL PRODUCT SHALL BE EQUAL TO FACTORY FINISH AS APPROVED BY A-E. IF RE-PAINTED OR TOUCHED-UP FIXTURES AND POLES ARE NOT SATISFACTORILY FINISHED IN THE OPINION OF THE A-E THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHIPPING FIXTURES AND POLES BACK TO THE FACTORY FOR REFINISHING AT NO ADDITIONAL COST TO THE OWNER OR A-E.
- SEE DRAWINGS FOR REQUIRED LIGHTING DISTRIBUTION PATTERNS AS FOLLOWS:
TYPE III-ASYMMETIC
TYPE VO-SQUARE
TYPE FM-FORWARD THROW
- PROVIDE POINT-BY-POINT CALCULATIONS FOR INDEPENDENT LIGHTING ANALYSIS FOR EACH PARKING LEVEL BASED ON DRAWING LAYOUTS AND FIXTURE TYPES. THESE CALCULATIONS ARE REQUIRED BY SPECIFIED MANUFACTURERS AS PART OF FIXTURE SUBMITTAL. ACCEPTABLE MANUFACTURERS MUST MEET THE FOLLOWING MINIMUM REQUIREMENTS FOR FINAL APPROVAL:
ROOF TOP PARKING:
FC AVERAGE MAX : MIN 5:1
MIN AVG. FC 2.0
USING 20500 LUMENS; 0.8 M.F.
INTERMEDIATE LEVELS PARKING
DESIRED: 10 FC RAMPS; 5 FC PARKING
FC AVERAGE: MIN. 5:1
FC MAX : MIN = 12:1
USING 14,000 LUMENS, 0.8 M.F.
- PROVIDE MECHANICALLY HELD, MULTI-POLE, REMOTE CONTROL LIGHTING CONTACTORS, ASCO #917-ACCESSARY 47D OR EQUAL UNLESS OTHERWISE NOTED.
- 25 CALENDAR DAYS PRIOR APPROVAL FOR ALL PROPOSED SUBSTITUTES TO FIXTURE SPECIFIED. REFER TO SPECIFICATIONS, SECTIONS 16510 & 16530.
- DELETED
- FIXTURES ARE SPECIFIED AS HAVING THE GENERAL SHAPE AND SIZE ACCEPTABLE FOR THE APPLICATIONS. HOWEVER, FINAL APPROVAL OF ALL SPECIFIED FIXTURES SHALL BE SUBJECT TO MEETING FOOT CANDLE LEVELS DETERMINED PER NOTE ③ ABOVE.
- COLOR TO BE SELECTED BY THE ARCHITECT.
- FIXTURES SPECIFIED INDICATE STYLE AND TYPE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR FURNISHING FIXTURES AND BATTERIES SUITABLE FOR MOUNTING OUTDOORS THAT WILL PROVIDE A MINIMUM OF 1 1/2 HOURS EMERGENCY LIGHTING AT ZERO DEGREES FAHRENHEIT.
- SEE SPECIFICATIONS SECTION 16930-2.04-A.2.
- REFER TO DETAIL (A) E2—E3



REVISED	DATE
#1	3-16-89
INCORPORATED ADDENDA ITEMS & COST REDUCTION ITEMS	
AS-BUILT	7-4-90

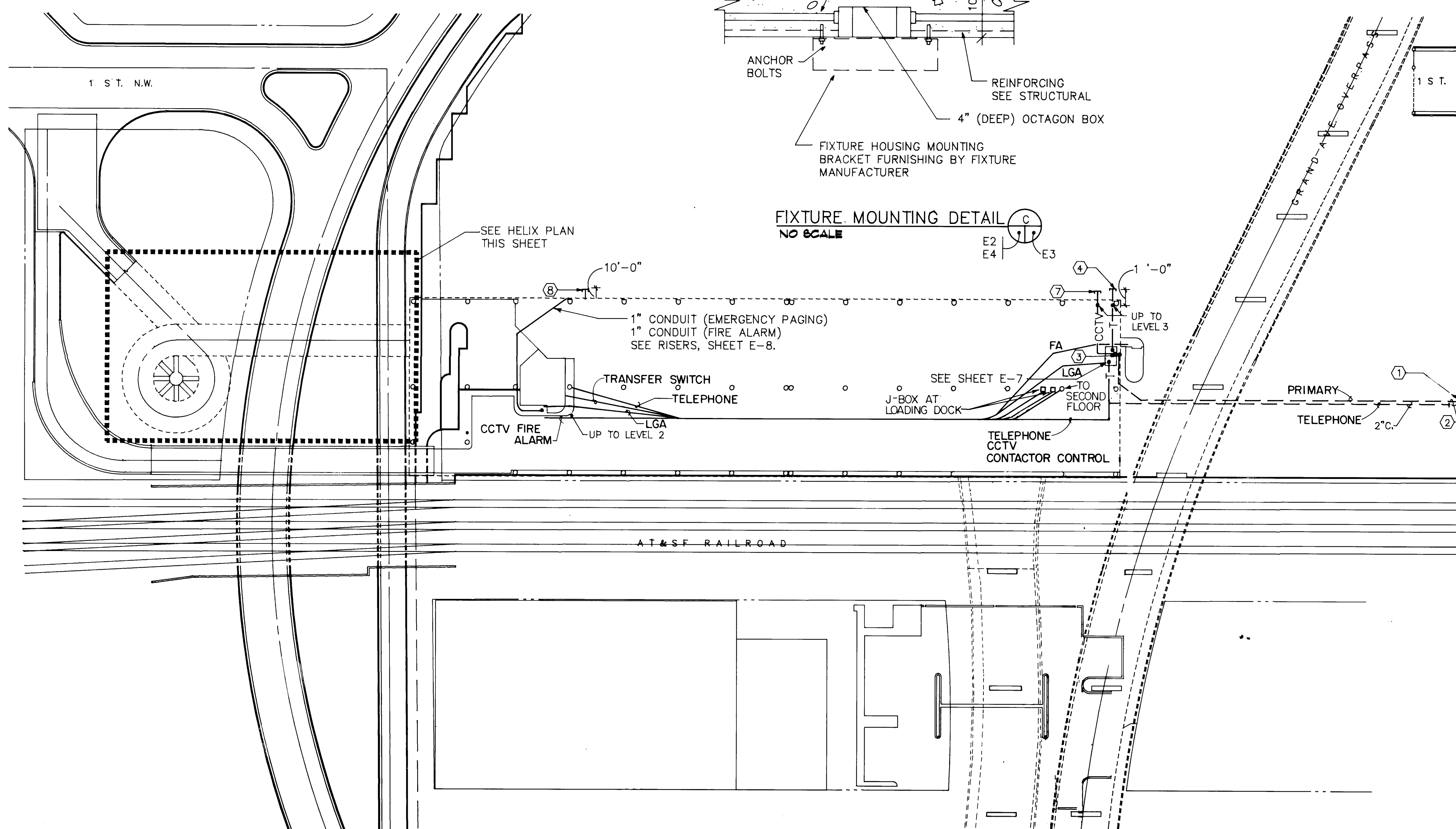
PREPARED BY	CHECKED BY
DATE	DATE
PARKING STRUCTURE FIXTURE SCHEDULE, DETAILS AND LIGHTING CONTROLS	





HELIX PLAN

SCALE: 1/16"=1'-0"



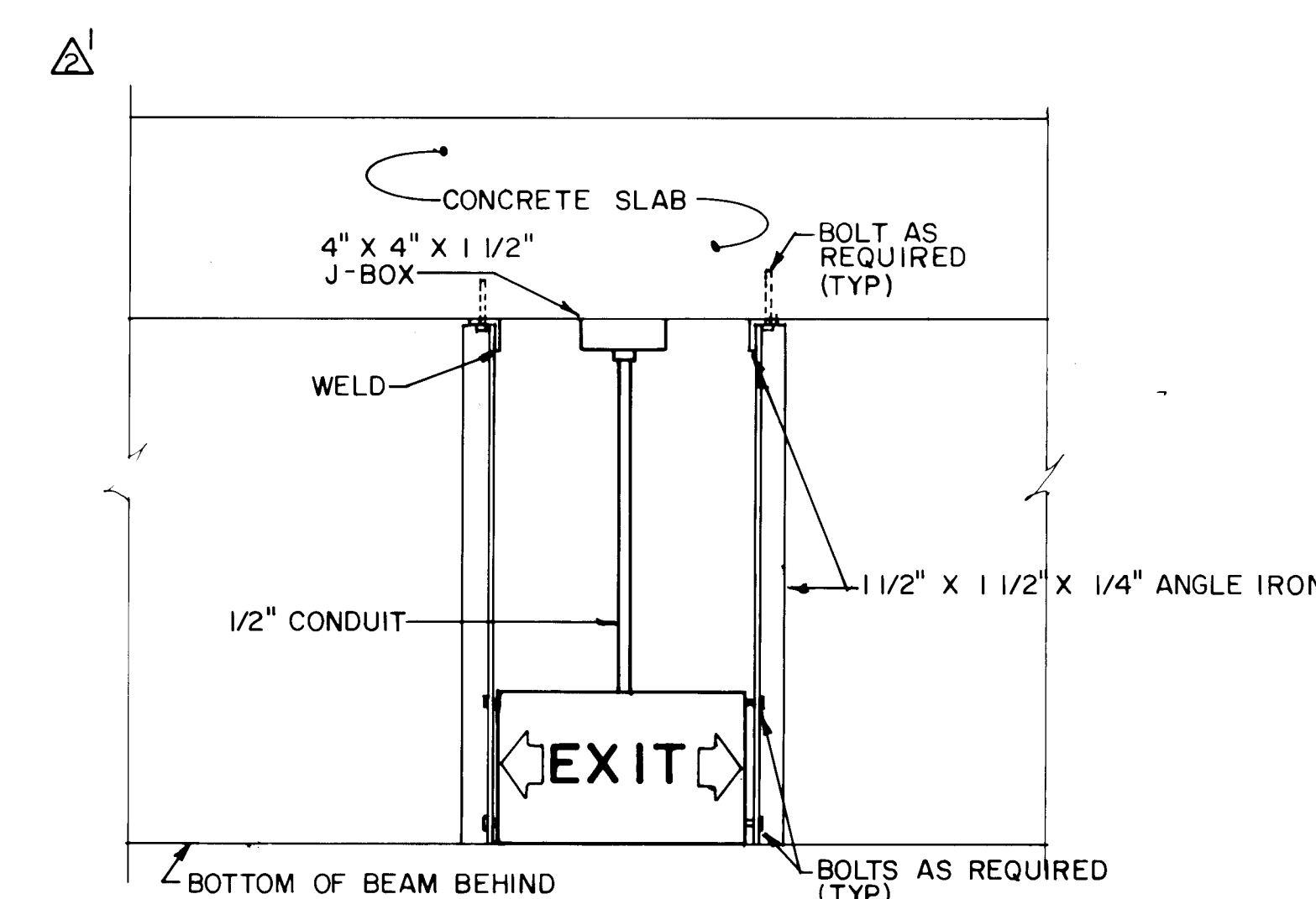
SITE PLAN

SCALE: 1"=40'-0"

GRAPHIC SCALE
0' 10' 25' 50' 100'



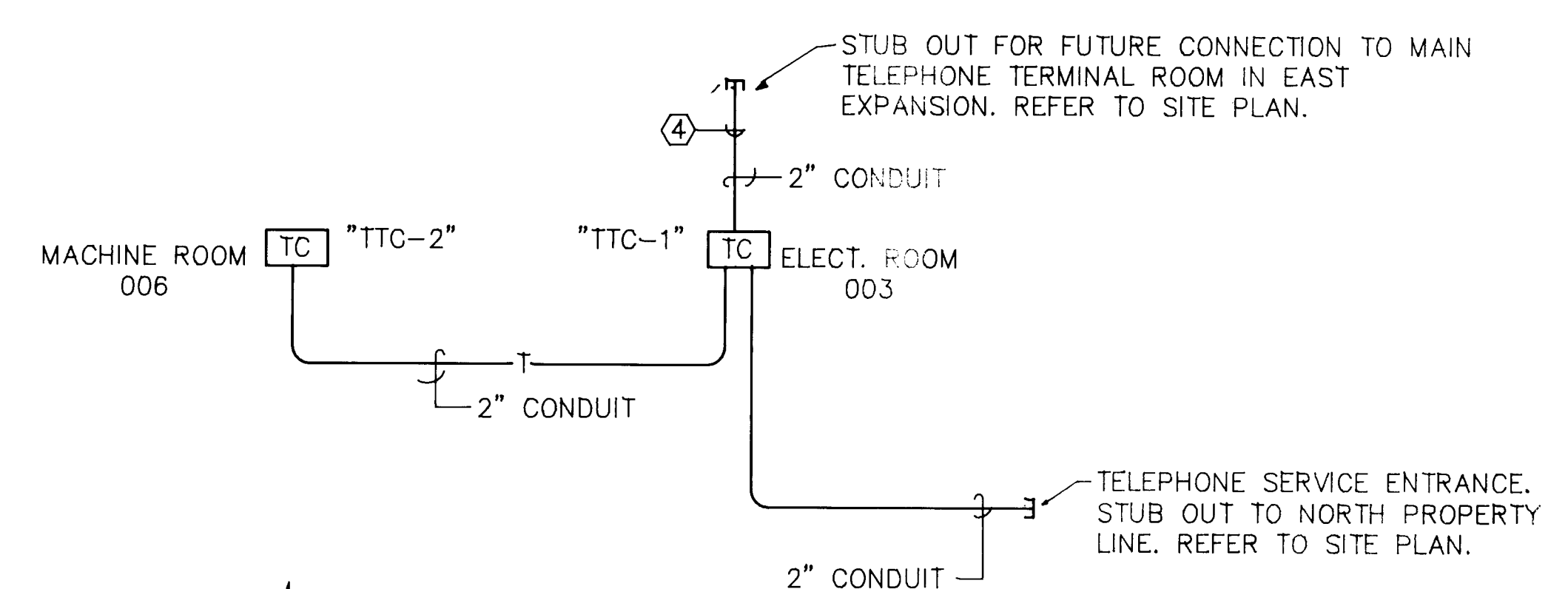
NOTE:
ALL CONDUITS SHALL BE RUN CONCEALED IN CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE OR APPROVED IN WRITING BY THE ARCHITECT. THE ELECTRICAL CONTRACTOR IS BURDENED WITH CLOSE COORDINATION WITH THE GENERAL CONTRACTOR TO CONCEAL ALL CONDUITS AND PROVIDE FOR ACCESS TO PULL/JUNCTION BOXES.



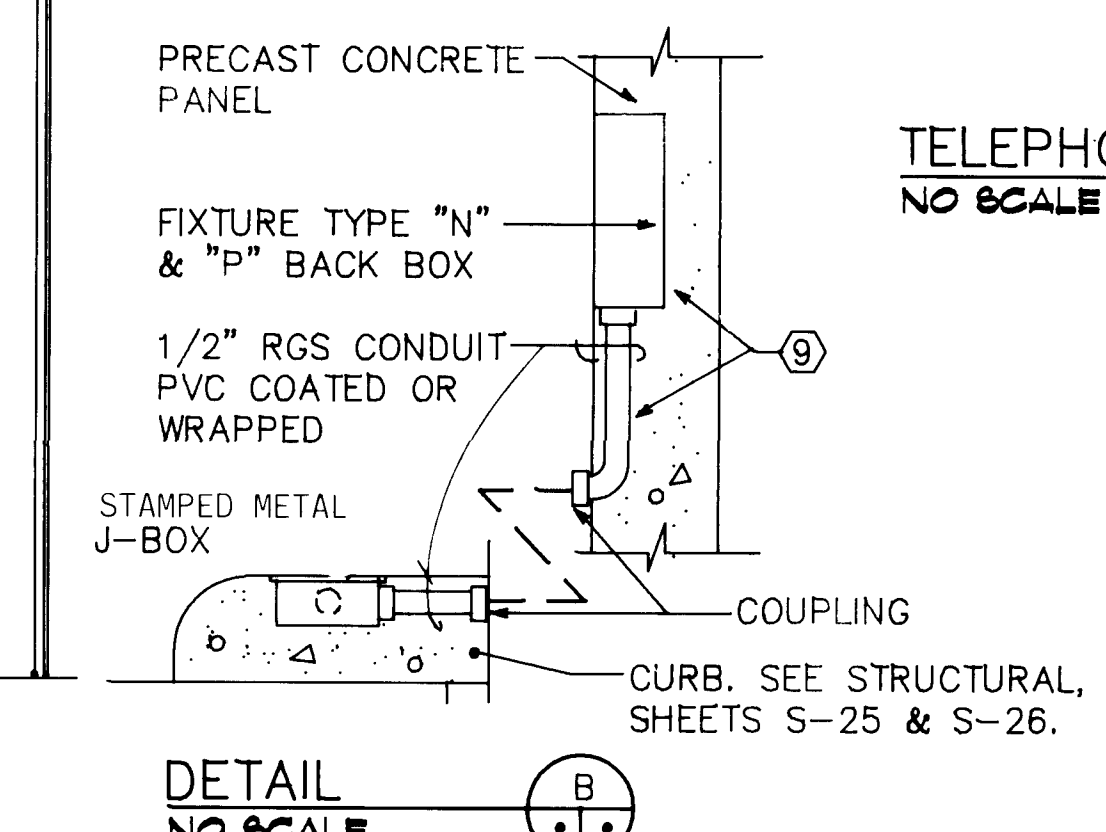
DETAIL D
SCALE: 1/2"=1'-0"

NOTES

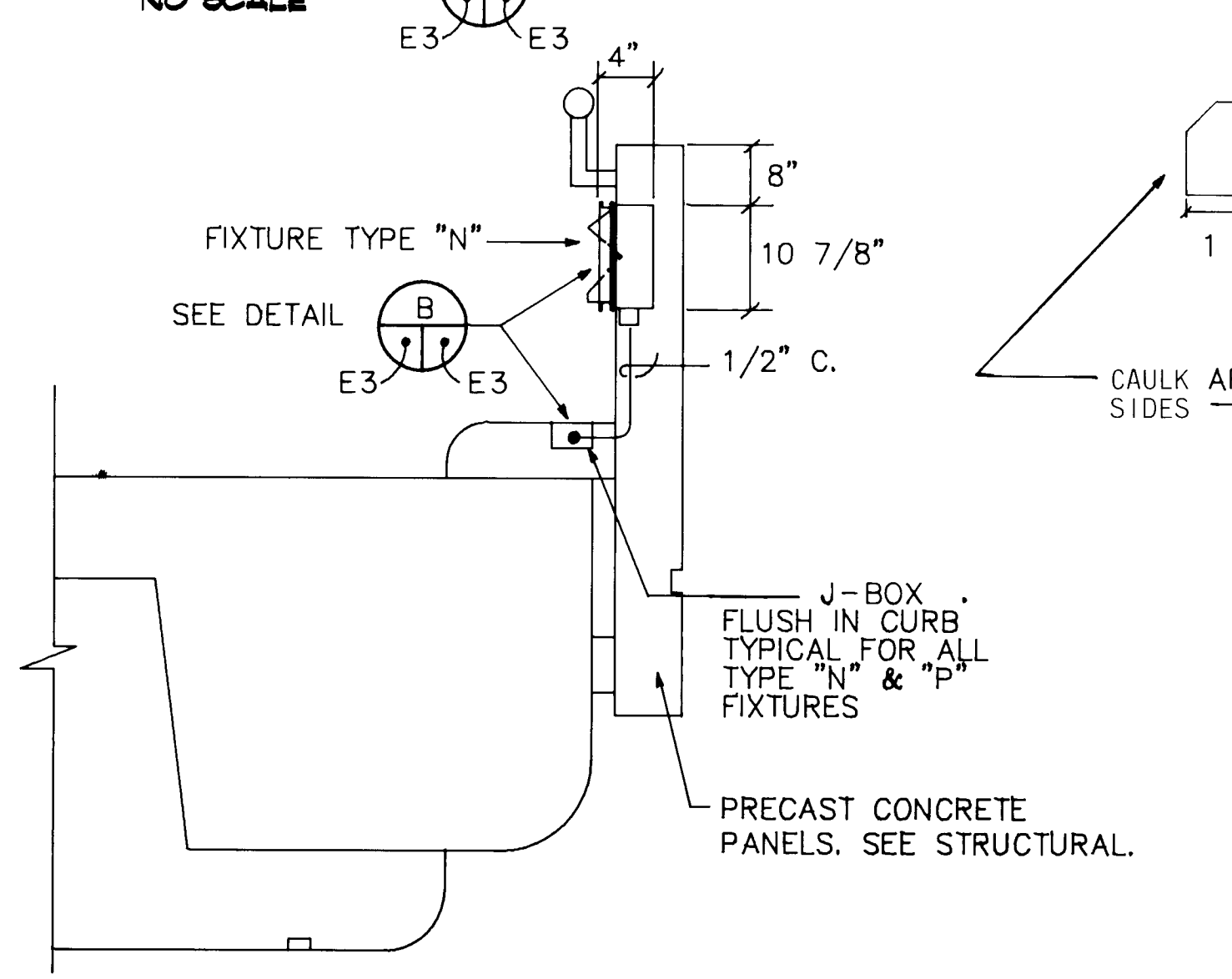
- ① CONDUIT STUB-OUT FOR EXTENSION BY PNM.
- ② SEE RISER DIAGRAM FOR FEEDER SIZE.
- ③ CONNECTION TO CT ENCLOSURE REFER TO 1/4" SCALE PLANS ON SHEET E7.
- ④ STUB-OUT AND CAP FOR FUTURE EXTENSION TO MAIN TELEPHONE EQUIPMENT ROOM LOCATED ON LEVEL 3 EAST EXPANSION.
- ⑤ HOMERUN THRU LIGHTING CONTACTOR LC18 TO CIRCUITS INDICATED.
- ⑥ DELETED
- ⑦ STUB-OUT AND CAP FOR FUTURE EXTENSION TO SECURITY ROOM LOCATED ON 1ST LEVEL, EAST EXPANSION. SEE CCTV RISER, SHEET E.I.
- ⑧ STUB-OUT AND CAP FOR FUTURE EXTENSION TO FIRE CONTROL ROOM LOCATED ON 1ST LEVEL, EAST EXPANSION. SEE FIRE ALARM RISER, SHEET E8.
- ⑨ FURNISH BACKBOX, CONDUIT, ELLS, AND FITTINGS TO GENERAL CONTRACTOR FOR PRECAST CONTRACTOR TO SET. COORDINATE EXACT REQUIREMENTS AND LAYOUT WITH GENERAL CONTRACTOR.



TELEPHONE RISER DIAGRAM
NO SCALE

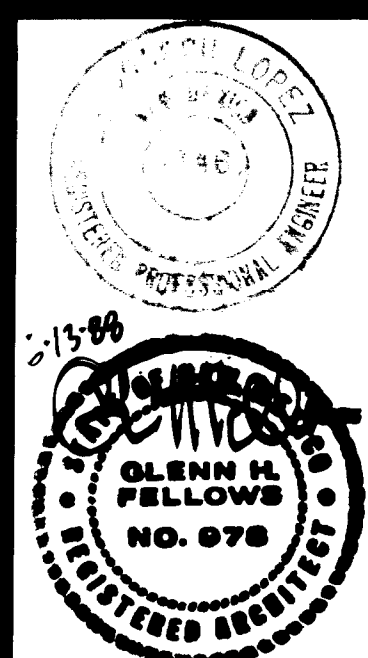
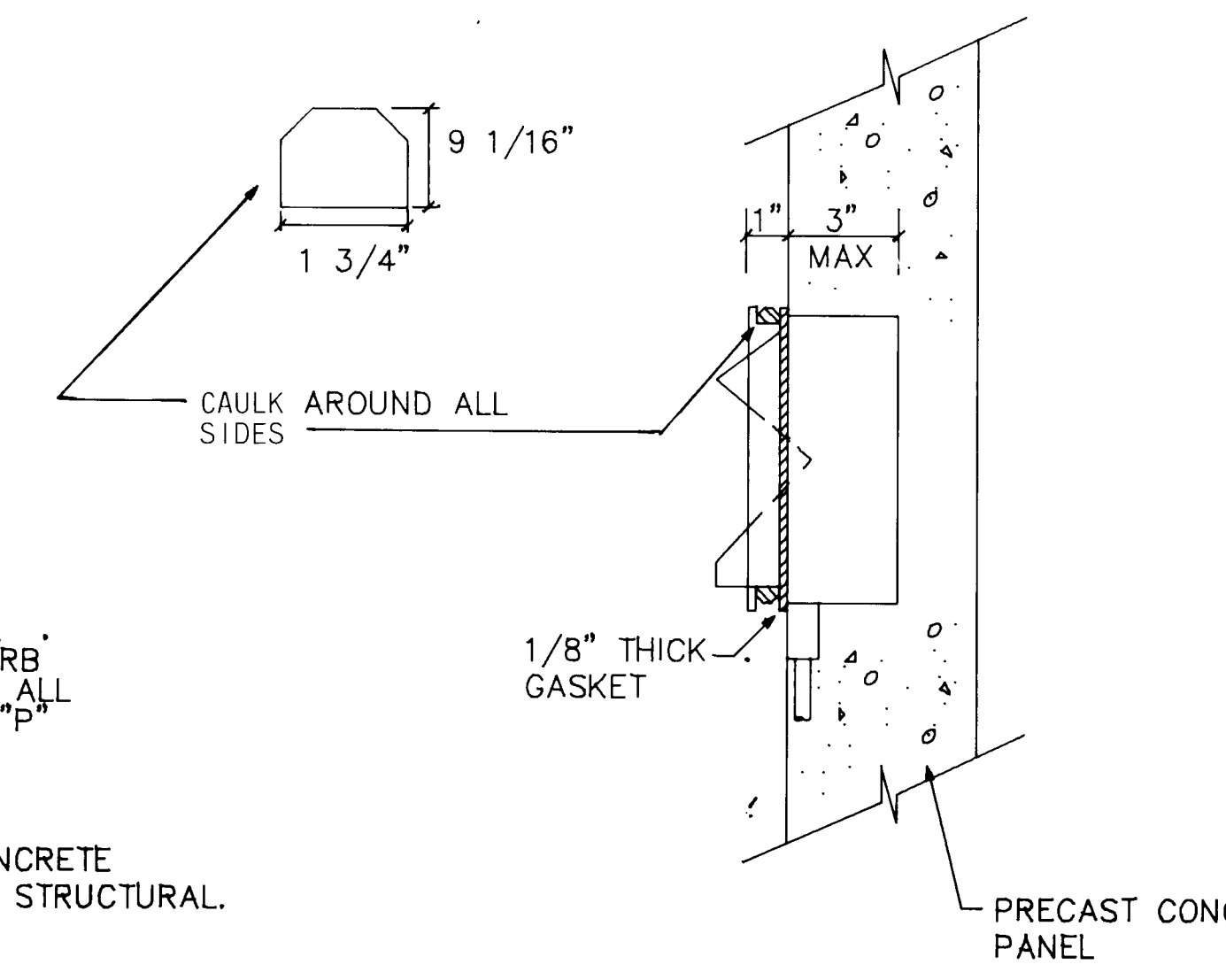


DETAIL B
NO SCALE



FIXTURE TYPE "N" DETAIL
NO SCALE
(TYPE "P" SIMILAR)

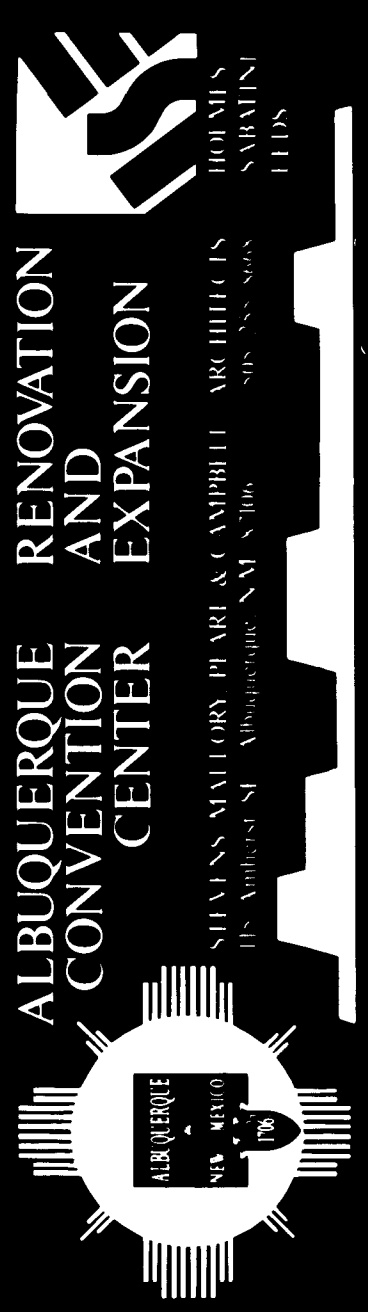
NOTE:
DIMENSIONS BASED ON SPECIFIED FIXTURES. SUBSTITUTE FIXTURES SHALL MEET SAME REQUIREMENTS

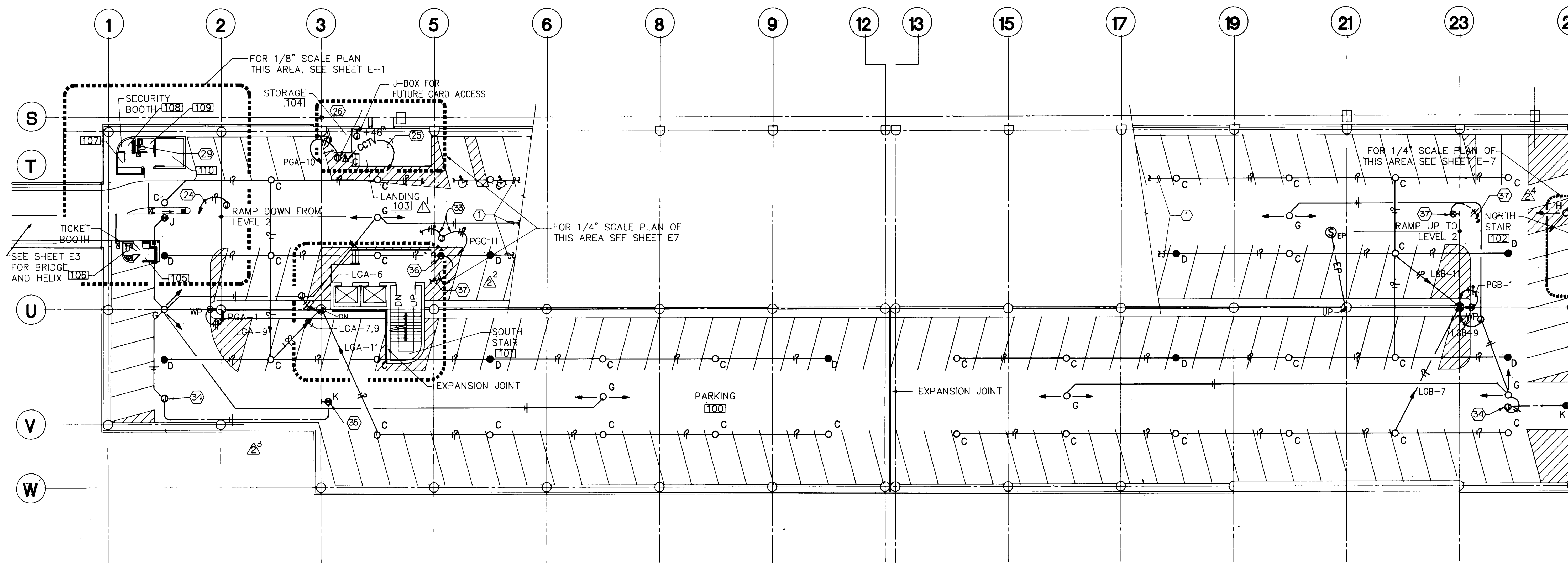


REVISED	DATE
#1	3-16-89
INCORPORATED ADDENDA ITEMS & COST REDUCTION ITEMS	
ADD ADDITIONAL EXIT SIGNS	
AS-BUILT	7-4-90

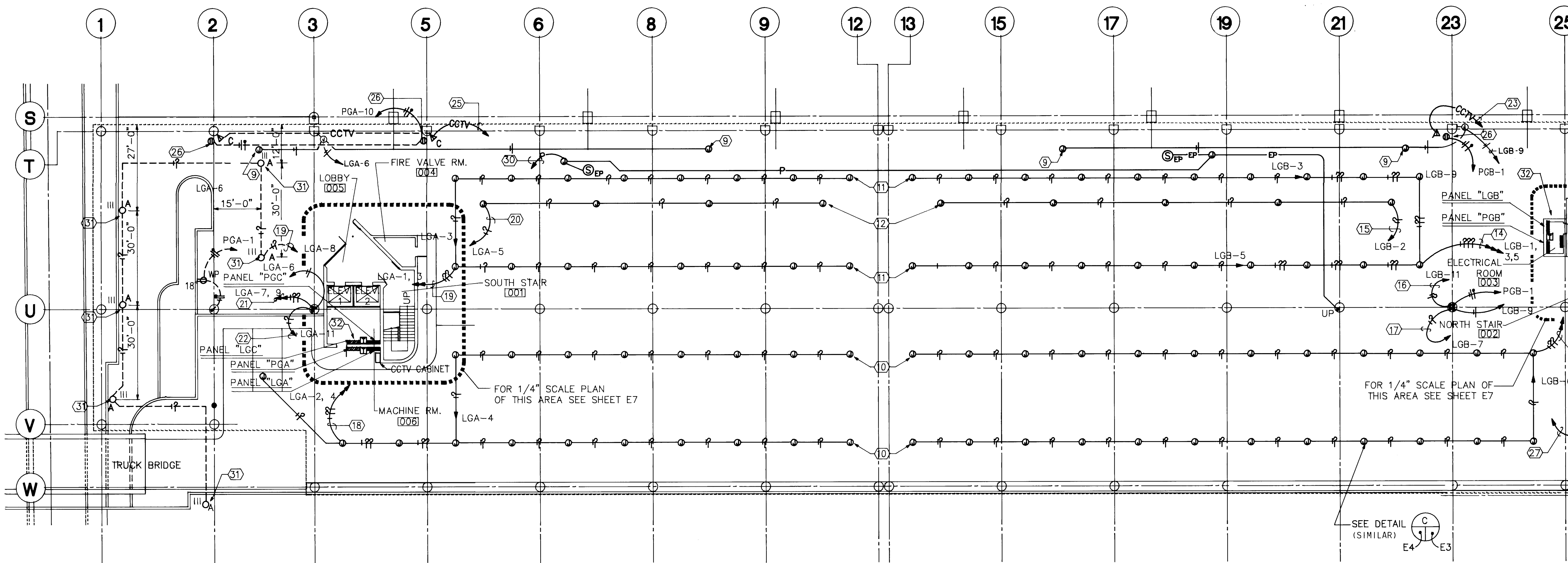
DRAWN BY: JET CHECKED BY: JET

**PARKING STRUCTURE
SITE PLAN, HELIX AND
ENTRANCE BRIDGE**





LEVEL 1
SCALE: 1/16"=1'-0"



GROUND LEVEL PLAN
SCALE: 1/16"=1'-0"

0' 10' 25' 50'

NOTES

- ① UP TO LEVEL 2. SEE SHEET E5 FOR CONTINUATION.
- ② NOT USED.
- ③ NOT USED.
- ④ NOT USED.
- ⑤ NOT USED.
- ⑥ EXTEND TO EMERGENCY FIXTURE, TYPE "E", LOCATED IN STAIRS.
- ⑦ NOT USED.
- ⑧ NOT USED.
- ⑨ J-BOX FOR FUTURE EMERGENCY LIGHTING BATTERY UNIT.
- ⑩ THIS ROW OF J-BOXES FOR FUTURE 250 WATT METAL HALIDE CEILING MOUNTED FIXTURES.
- ⑪ THIS ROW OF J-BOXES FOR FUTURE 400 WATT METAL HALIDE CEILING MOUNTED FIXTURES.
- ⑫ THIS ROW OF J-BOXES FOR FUTURE 400 WATT METAL HALIDE CEILING MOUNTED FIXTURES WITH QUARTZ RESTRIKE.
- ⑬ HOMERUN THRU LIGHTING CONTACTOR "LC1" TO CIRCUITS INDICATED.
- ⑭ HOMERUN THRU LIGHTING CONTACTOR "LC2" TO CIRCUITS INDICATED.
- ⑮ HOMERUN THRU LIGHTING CONTACTOR "LC3" TO CIRCUITS INDICATED.
- ⑯ HOMERUN THRU LIGHTING CONTACTOR "LC4" TO CIRCUITS INDICATED.
- ⑰ HOMERUN THRU LIGHTING CONTACTOR "LC5" TO CIRCUITS INDICATED.
- ⑱ HOMERUN THRU LIGHTING CONTACTOR "LC6" TO CIRCUITS INDICATED.
- ⑲ HOMERUN THRU LIGHTING CONTACTOR "LC7" TO CIRCUITS INDICATED.
- ⑳ HOMERUN THRU LIGHTING CONTACTOR "LC8" TO CIRCUITS INDICATED.
- ㉑ HOMERUN THRU LIGHTING CONTACTOR "LC9" TO CIRCUITS INDICATED.



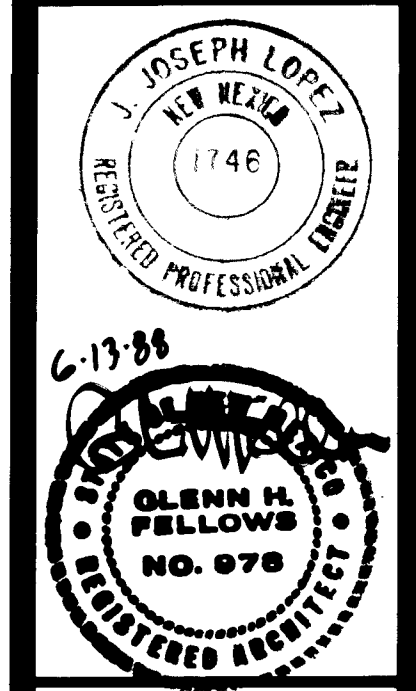
- ㉒ HOMERUN THRU LIGHTING CONTACTOR "LC10" TO CIRCUITS INDICATED.
- ㉓ EXTEND CCTV CIRCUIT TO CCTV CABINET LOCATED IN ELECTRICAL ROOM 003.
- ㉔ EXTEND 1/2" CONDUIT FROM FLASHING WARNING LIGHT TO A CONTROL SWITCH LOCATED IN SECURITY BOOTH. SEE SHEET E1.
- ㉕ EXTEND CCTV CIRCUIT TO CCTV CABINET LOCATED AT SOUTH STAIR, GROUND LEVEL. SEE SHEET E7.
- ㉖ DUPLEX RECEPTACLE MOUNTED ADJACENT TO CCTV OUTLET, FLUSH IN DECK ABOVE.
- ㉗ HOMERUN TO LIGHTING CONTROL TIME CLOCK ADJACENT TO CONTACTOR PANEL "LCCT".
- ㉘ MOUNT PHOTOCELL ON NORTH FACE, LEVEL 1. FIELD COORDINATE LOCATION.
- ㉙ PANEL "SW1" AND SNOW MELTING CONTACTOR PANEL. SEE SHEET E1.
- ㉚ HOMERUN TO EMERGENCY PAGING TERMINAL CABINET, SOUTH STAIRS GROUND LEVEL. SEE SHEET E7.

- ㉛ POLE BASE TO BE SIMILAR TO POLE BASE DETAIL WITH THE EXCEPTION THAT THE DIAMETER TO BE 24"x4'-0" DEEP, FLUSH WITH FINISH GRADE OR E2 PAVING AS REQUIRED. (3000 PSI CONCRETE WITH #6 REBAR AT 0'-8" O.C. AROUND PERIMETER.)
- ㉜ ALL ELECTRICAL EQUIPMENT NOT SHOWN IN THIS AREA. REFER TO 1/4" PLAN SHEET E7 FOR ELECTRICAL LAYOUT.

- ㉝ CONNECT TO HEAT TRACE TAPE & THERMOSTAT FURNISHED & INSTALLED UNDER DIVISION 15. SEE SHEET E-2. FIELD COORDINATE EXACT REQUIREMENT & LOCATIONS.

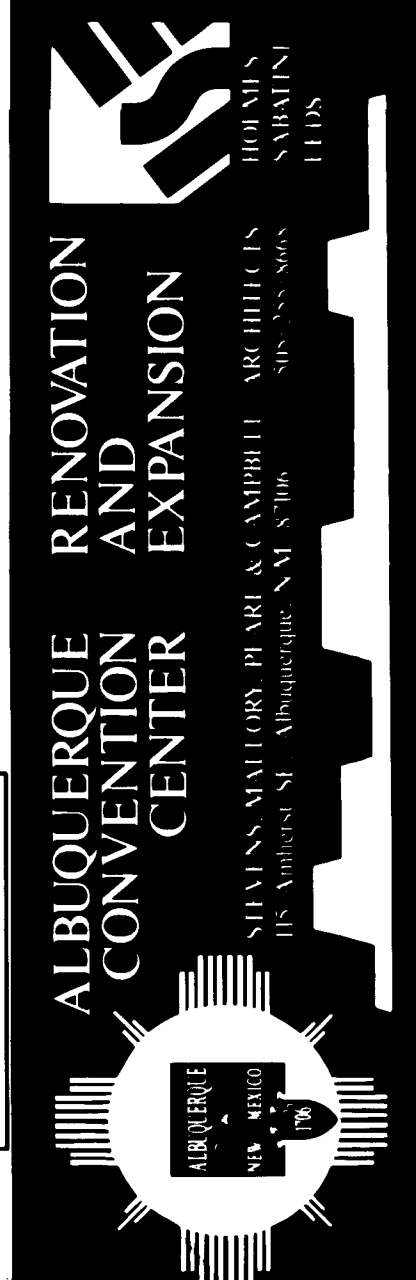
NOTE:
ALL CONDUITS SHALL BE RUN CONCEALED IN CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE OR APPROVED IN WRITING BY THE ARCHITECT. THE ELECTRICAL CONTRACTOR IS BURDENED WITH CLOSE COORDINATION WITH THE GENERAL CONTRACTOR TO CONCEAL ALL CONDUITS AND PROVIDE FOR ACCESS PULL/JUNCTION BOXES.

- ㉞ REMOVE EXISTING EXIT SIGN AND ADD EXTENSION PING WITH BLANK COVER PLATE TO EXISTING J-BOX. EXTEND CONDUIT EXPOSED AS INDICATED ON THE PLANS.
- ㉟ MOUNT RELOCATED TYPE "K" FIXTURE TO NORTH SIDE OF BEAM. PROVIDE BACH MOUNTING PLATE TO REPLACE EXIT FACE OF FIXTURE. BOTTOM OF FIXTURE TO BE FLUSH WITH BOTTOM OF BEAM.
- ㊱ INSTALL SINGLE FACE EXIT SIGN SIMILAR TO TYPE "J" TO SIDE OF BEAM AS INDICATED. BOTTOM OF FIXTURE TO BE FLUSH WITH BOTTOM OF BEAM.
- ㊲ EXTEND CONDUIT TO NEAREST EXIT SIGN AND CONNECT. PROVIDE EXTENSION RING TO EXISTING EXIT SIGN AS REQUIRED.
- ㊳ PENDANT MOUNT EXISTING "K" FIXTURE 2'-0" FROM FACE OF BEAM. REFER TO DETAIL E-3 FOR MOUNTING.

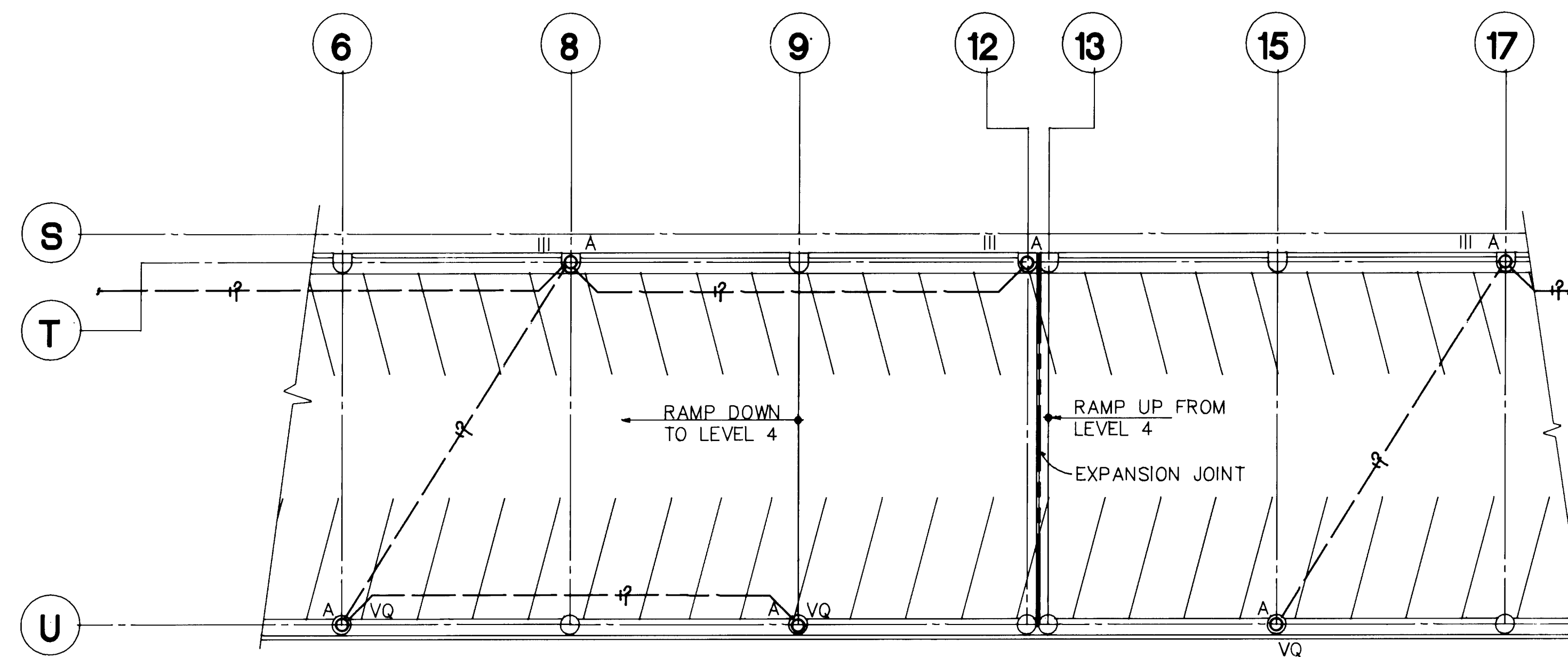


REVISED	DATE
#1	3-16-89
INCORPORATED ADDENDA ITEMS & COST REDUCTION ITEMS	
2	8-4-89
10-3-89 ADD ADDITIONAL EXIT SIGNS	
AS-BUILT	7-4-90

PARKING STRUCTURE
GROUND LEVEL AND LEVEL 1 PLANS



26 27366191



UPPER LEVEL RAMP

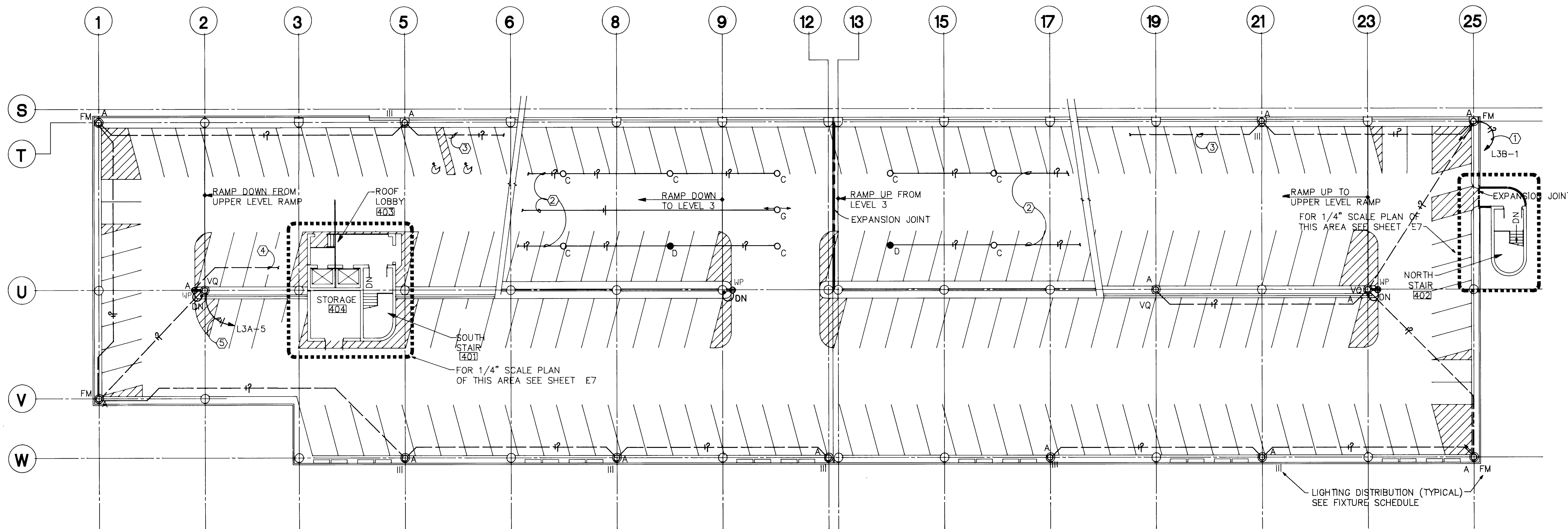
SCALE: 1/16"=1'-0"



NOTES

- ① HOMERUN THROUGH LIGHTING CONTACTOR "LC16". TO CIRCUITS INDICATED.
- ② DOWN TO LEVEL 3. SEE SHEET E5.
- ③ UP TO UPPER LEVEL RAMP. SEE THIS SHEET.
- ④ FOR CONTINUATION, REFER TO SHEET E7.
- ⑤ HOMERUN THROUGH LIGHTING CONTACTOR "LC17". TO CIRCUITS INDICATED.

NOTE:
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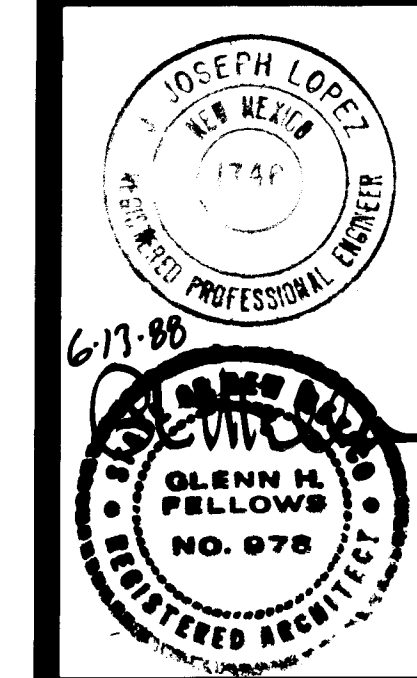


LEVEL 4

SCALE: 1/16"=1'-0"



GRAPHIC SCALE: 1/16"=1'-0"
0' 10' 25' 50'



REVISED DATE

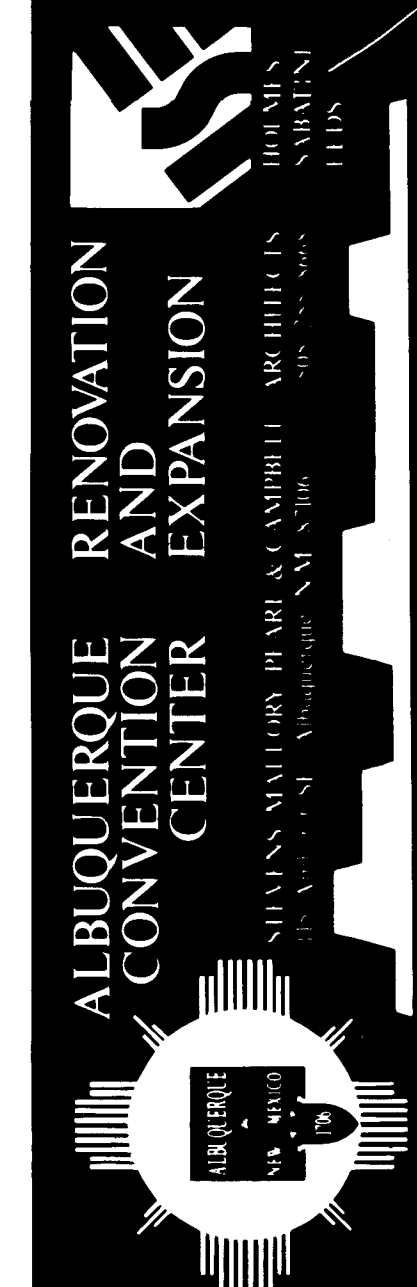
#1 3-16-89

INCORPORATED
ADDENDUM ITEMS &
COST REDUCTION
ITEMS

AS-BUILT 7-4-90

DESIGNED BY CHECKED BY

**PARKING STRUCTURE
LEVEL 4 AND UPPER LEVEL
RAMP PLANS**

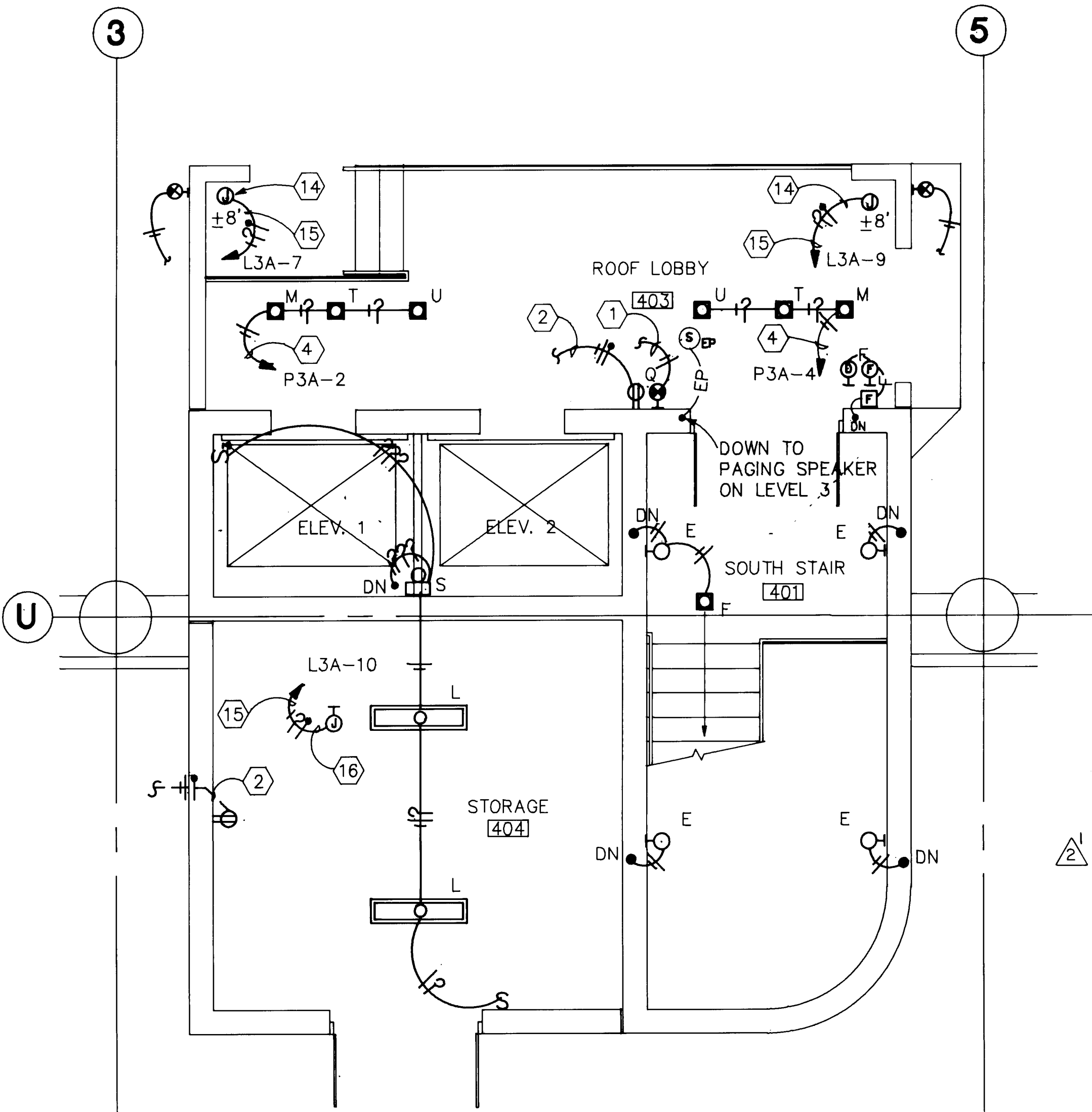


SHEET

E-6

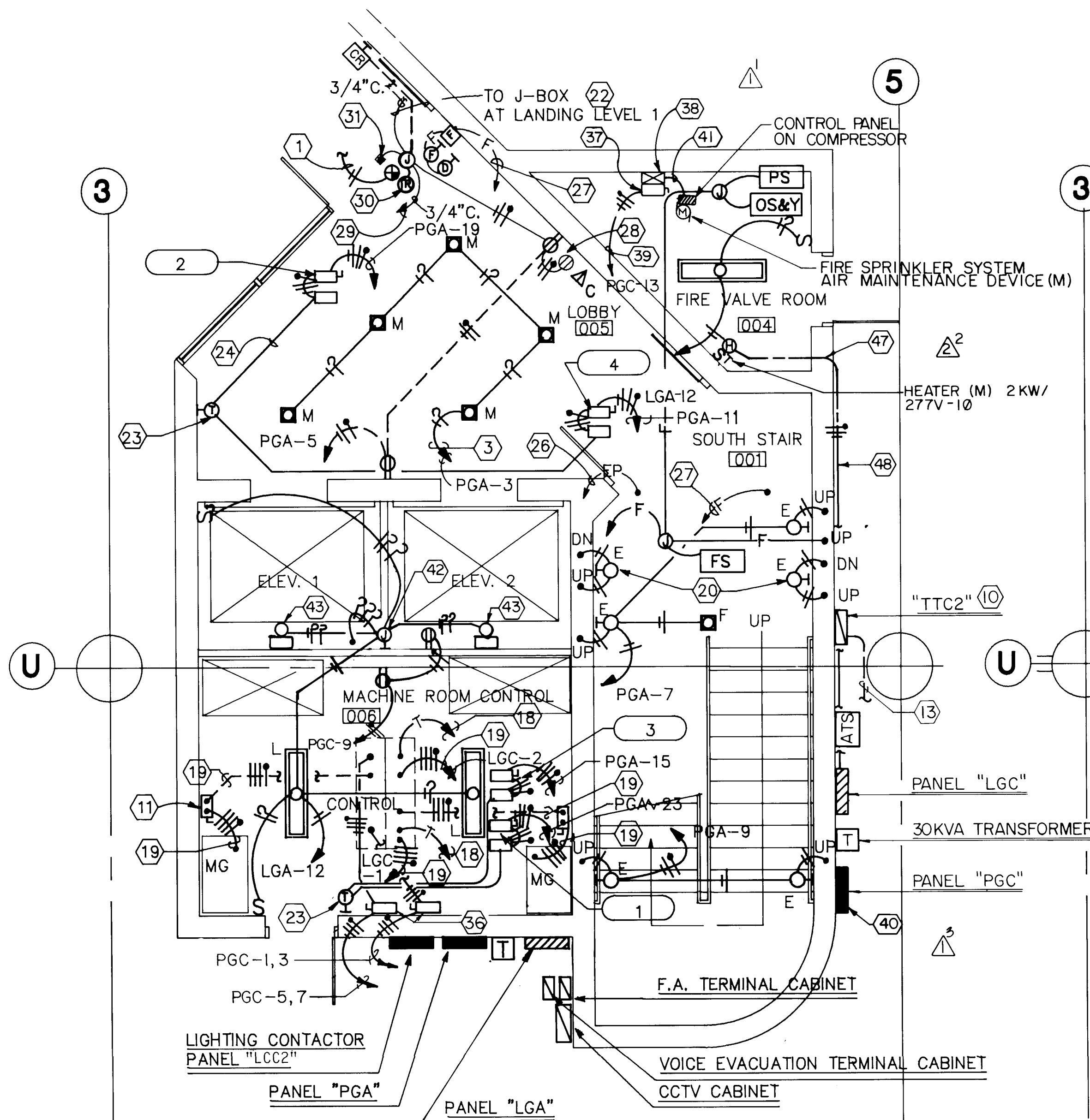
OF 67

6/14/90
126 127 182 6291 A



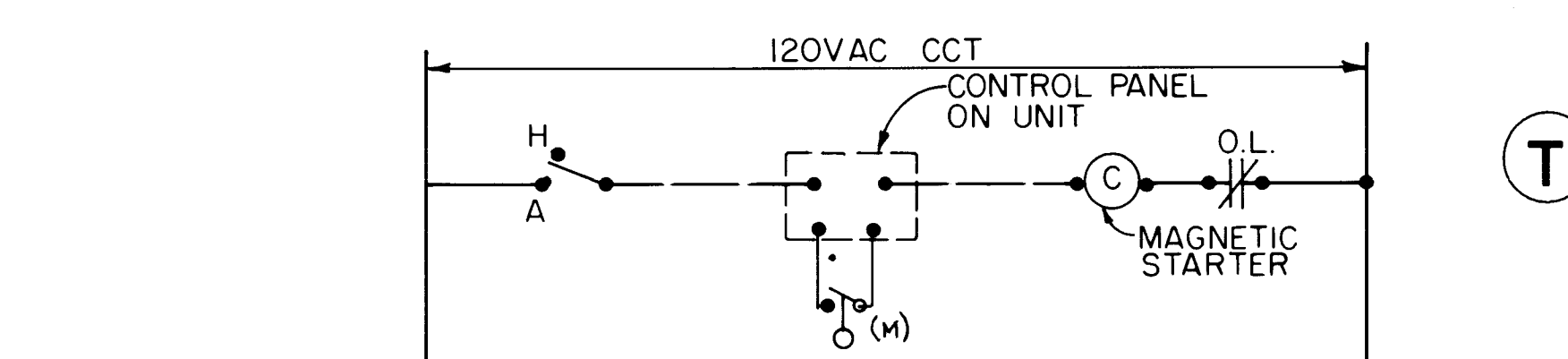
SOUTH STAIR - UPPER LEVEL

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



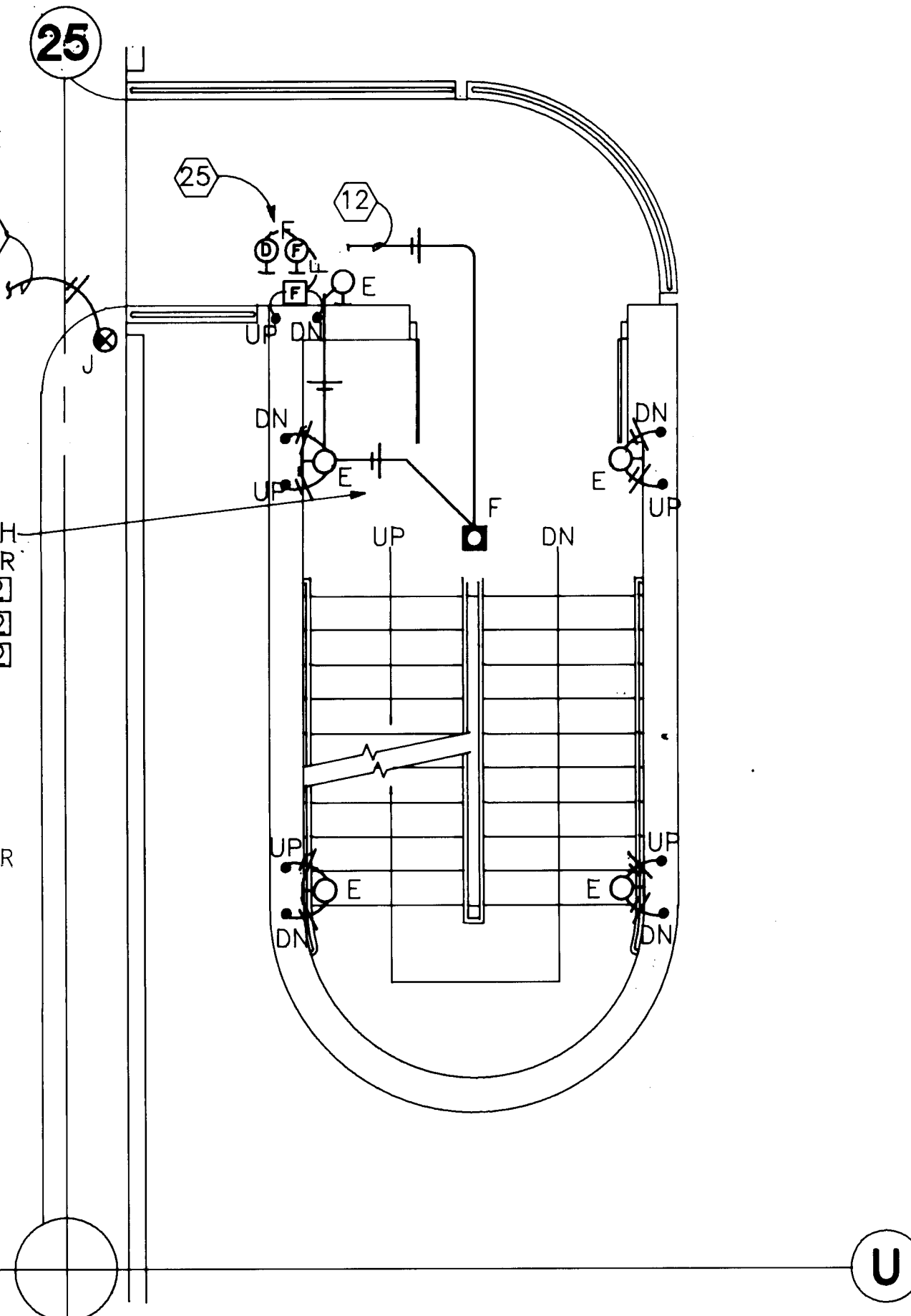
SOUTH STAIR - GROUND

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



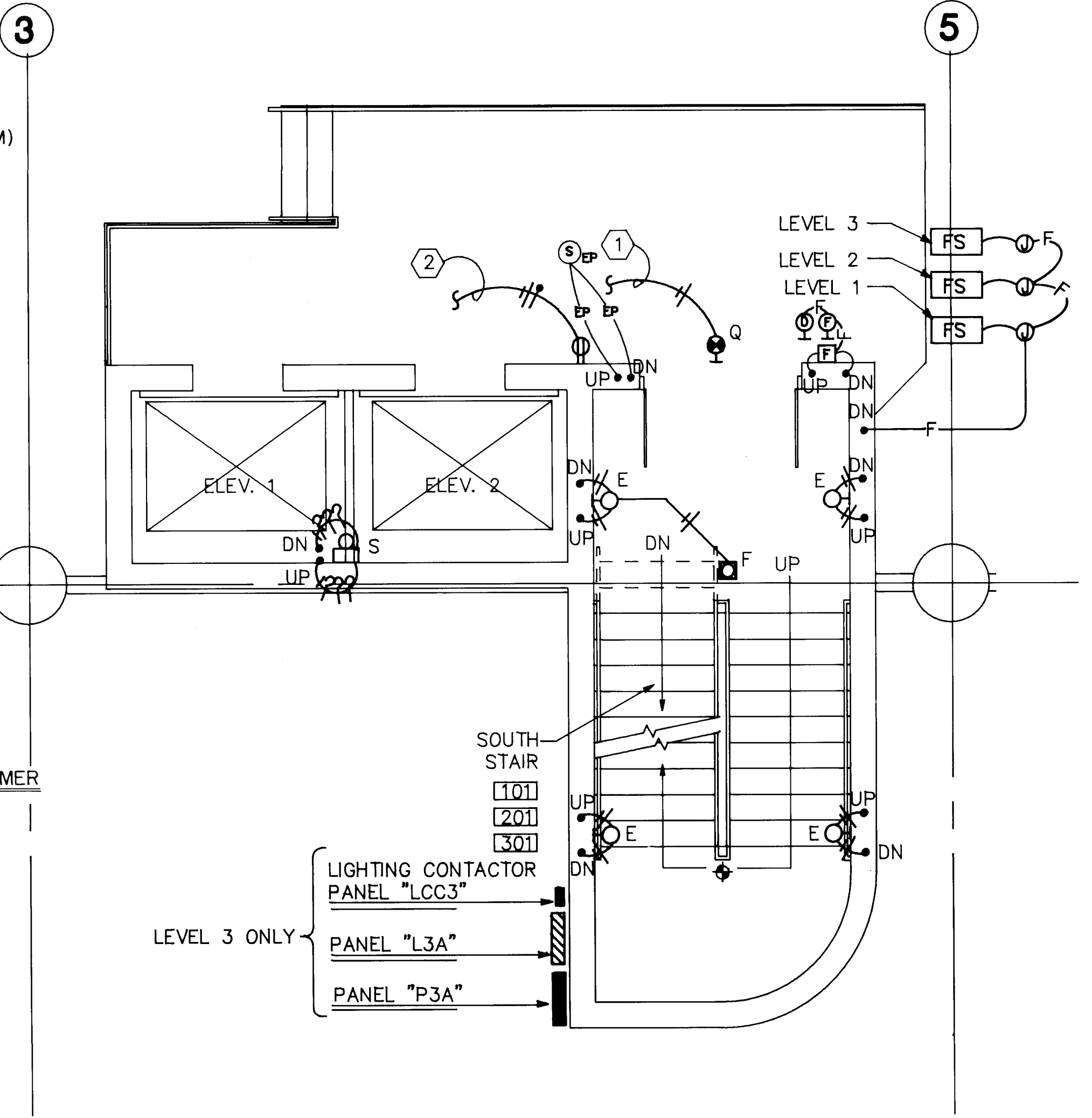
**FIRE SPRINKLER SYSTEM AIR MAINTENANCE DEVICE
(LOCATED IN FIRE VALVE ROOM) 004**

- NOTE: AS PART OF DCR # 81 THE CONTRACTOR SHALL ADD ONE TYPE "S" FIXTURE TO CEILING STRUCTURE OF HOISTWALL AT CATWALK. EXTEND CIRCUIT TO FIXTURE BELOW. COORDINATE FIXTURE LOCATION AND CONDUIT ROUTING IN THE FIELD TO AVOID OTHER TRADES.
- 44 PROVIDE ONE NEW TYPE "S" LIGHT FIXTURE CENTERED IN ELEVATOR #2 PIT. MOUNT FIXTURE UP 4'-0" TO CENTER AND EXTEND CONDUIT TO J-BOX AS INDICATED.
- 45 INSTALL 120V-20A DUPLEX RECEPTACLE. MOUNT UP 48" TO TOP. CORE DRILL WEST WALL AND EXTEND CONDUIT DOWN TO RECEPTACLE IN ELEVATOR PIT.
- 46 PROVIDE DISCONNECTING MEANS IN ACCESSIBLE LOCATION TO UNIT HEATER. MAKE REQUIRED CONNECTIONS IN THE FIELD.
- 47 CORE DRILL WALL FOR 3/4" CONDUIT PENETRATION. SEAL WITH APPROVED FIRE STOP MATERIAL.
- 48 EXTEND 3/4" CONDUIT EXPOSED AS INDICATED ON DRAWING TO PANEL "LGC" CONNECT TO SPARE 20A-1P CIRCUIT BREAKER #7.



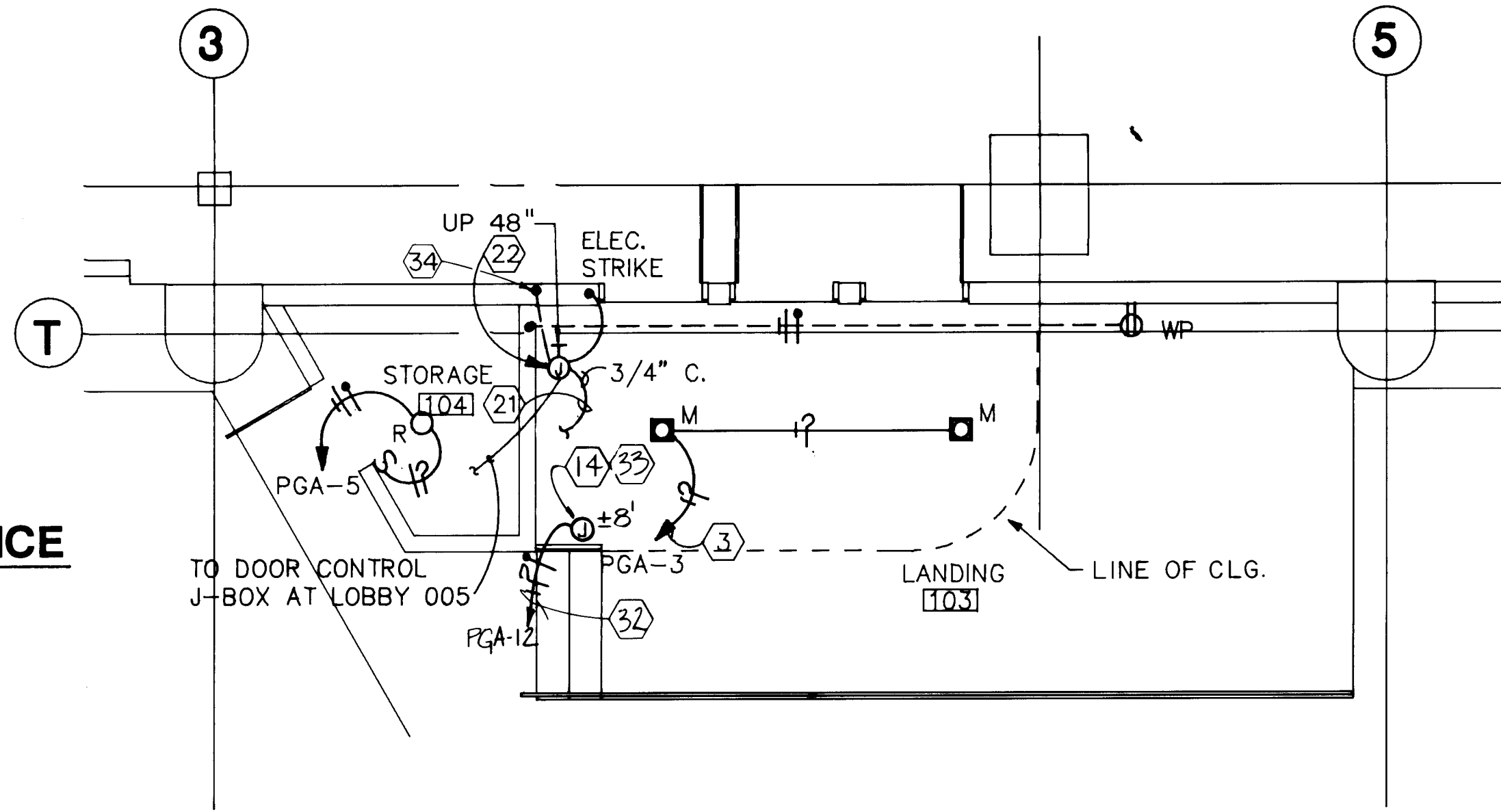
NORTH STAIR - TYP. 1, 2, 3

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



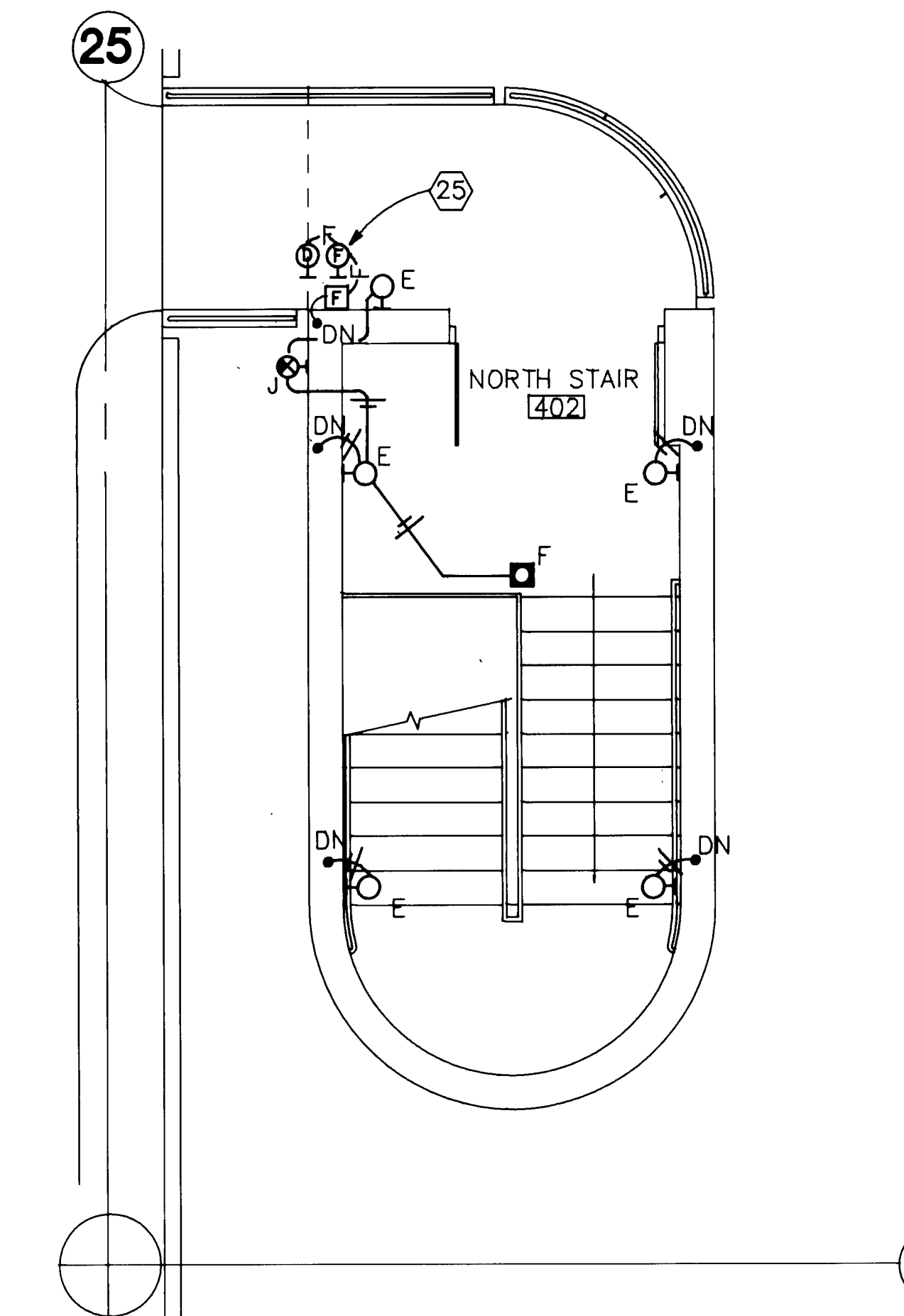
SOUTH STAIR - TYP. 1, 2, 3

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



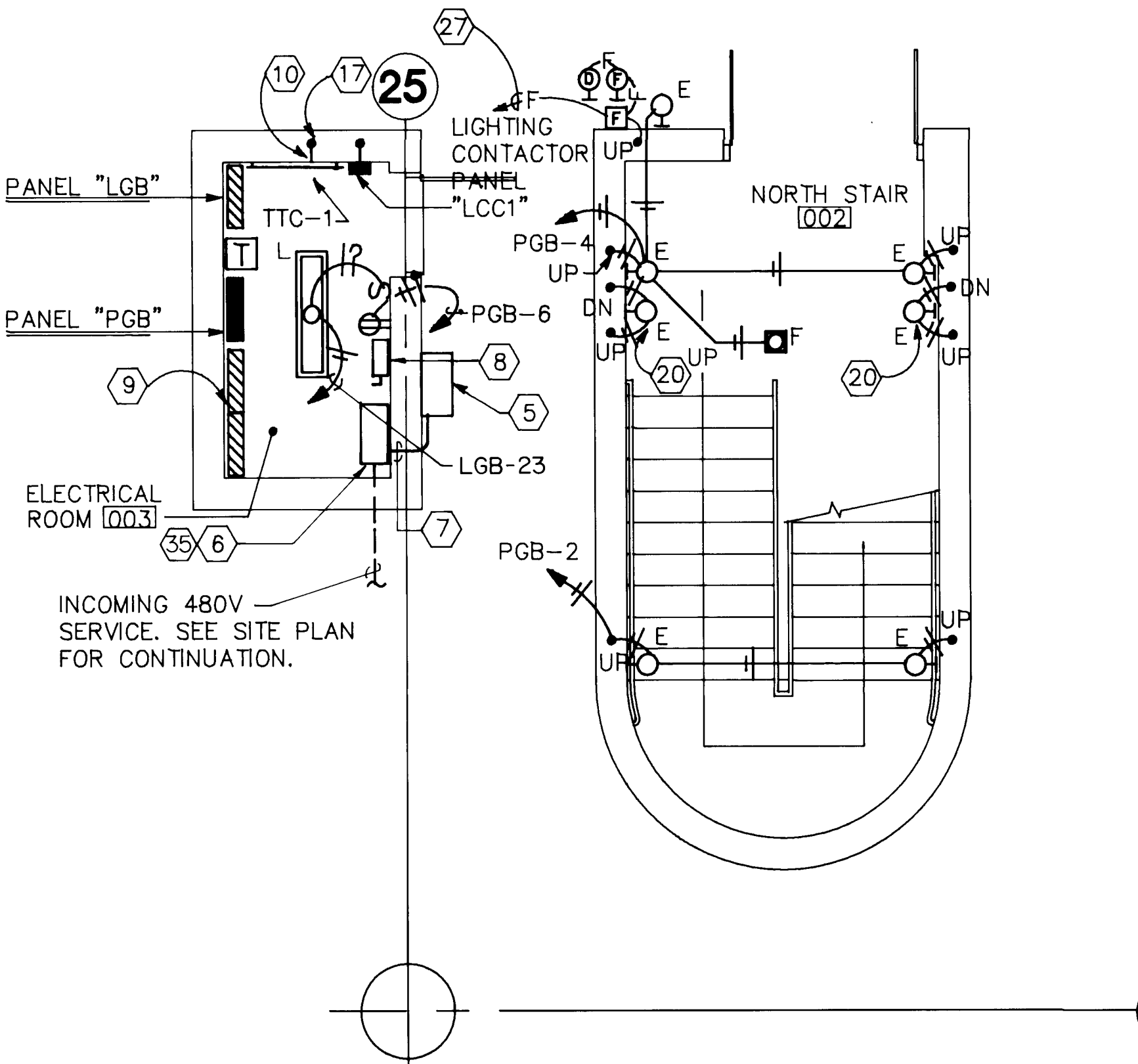
LANDING AT LEVEL 1

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



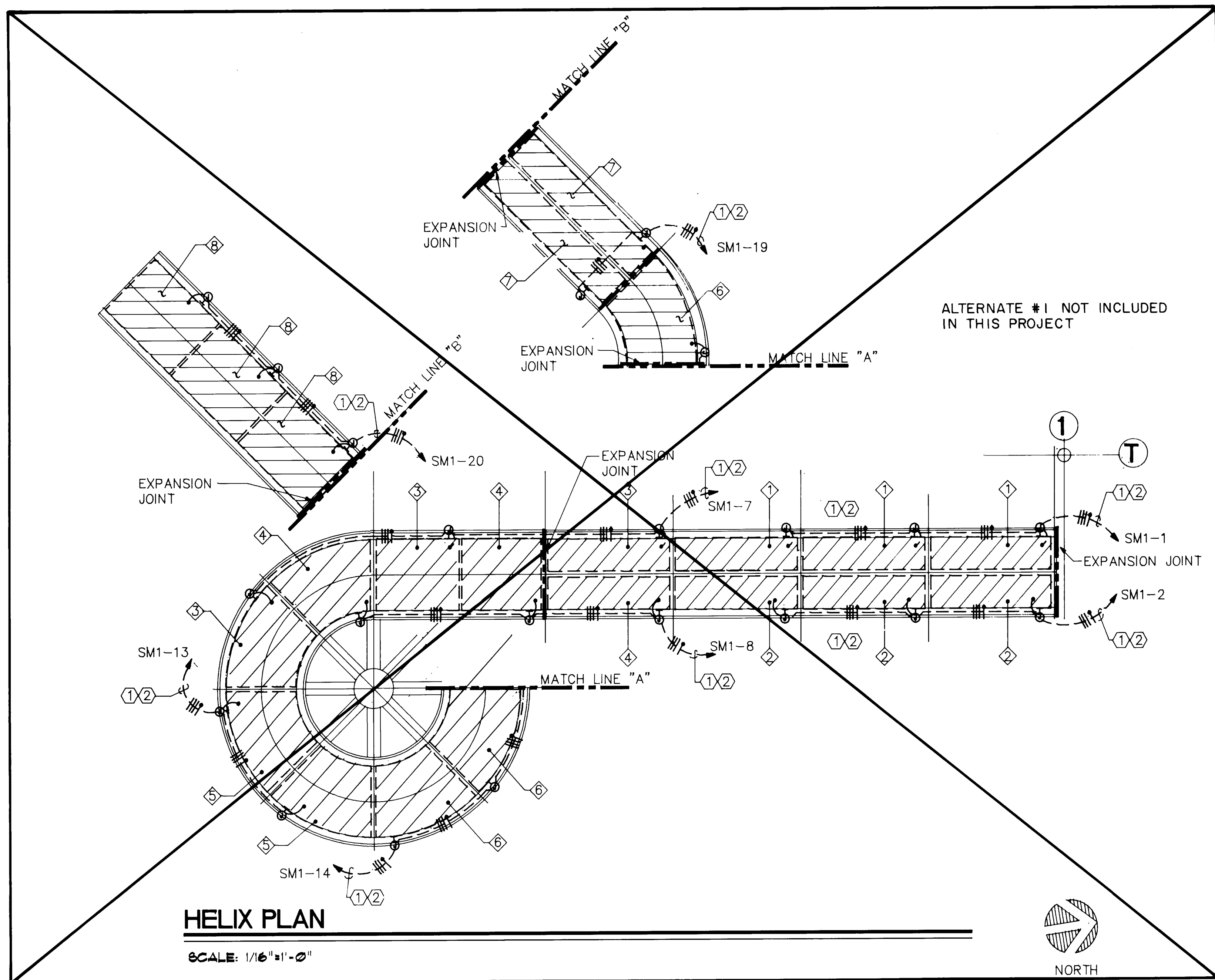
NORTH STAIR - UPPER LEVEL

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

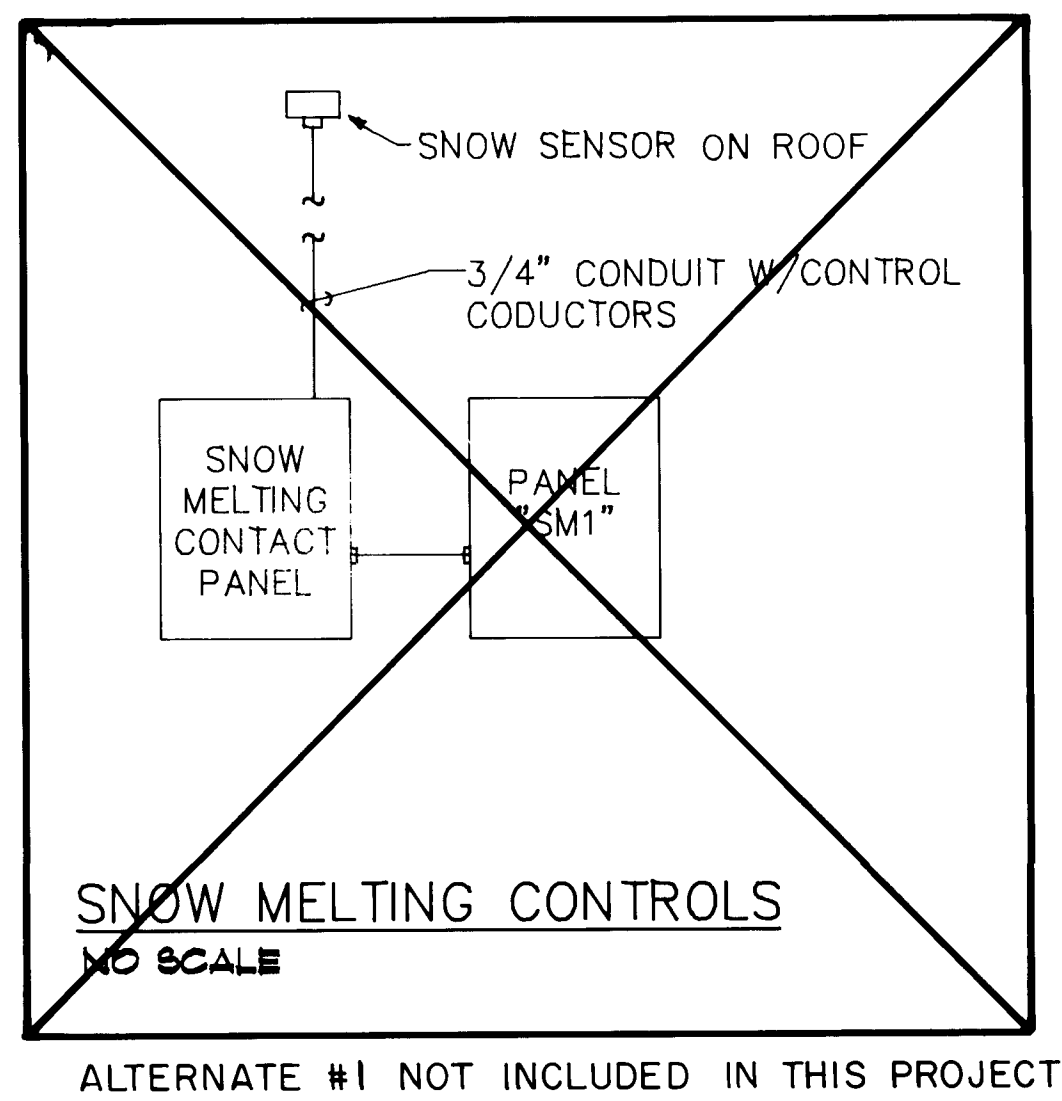
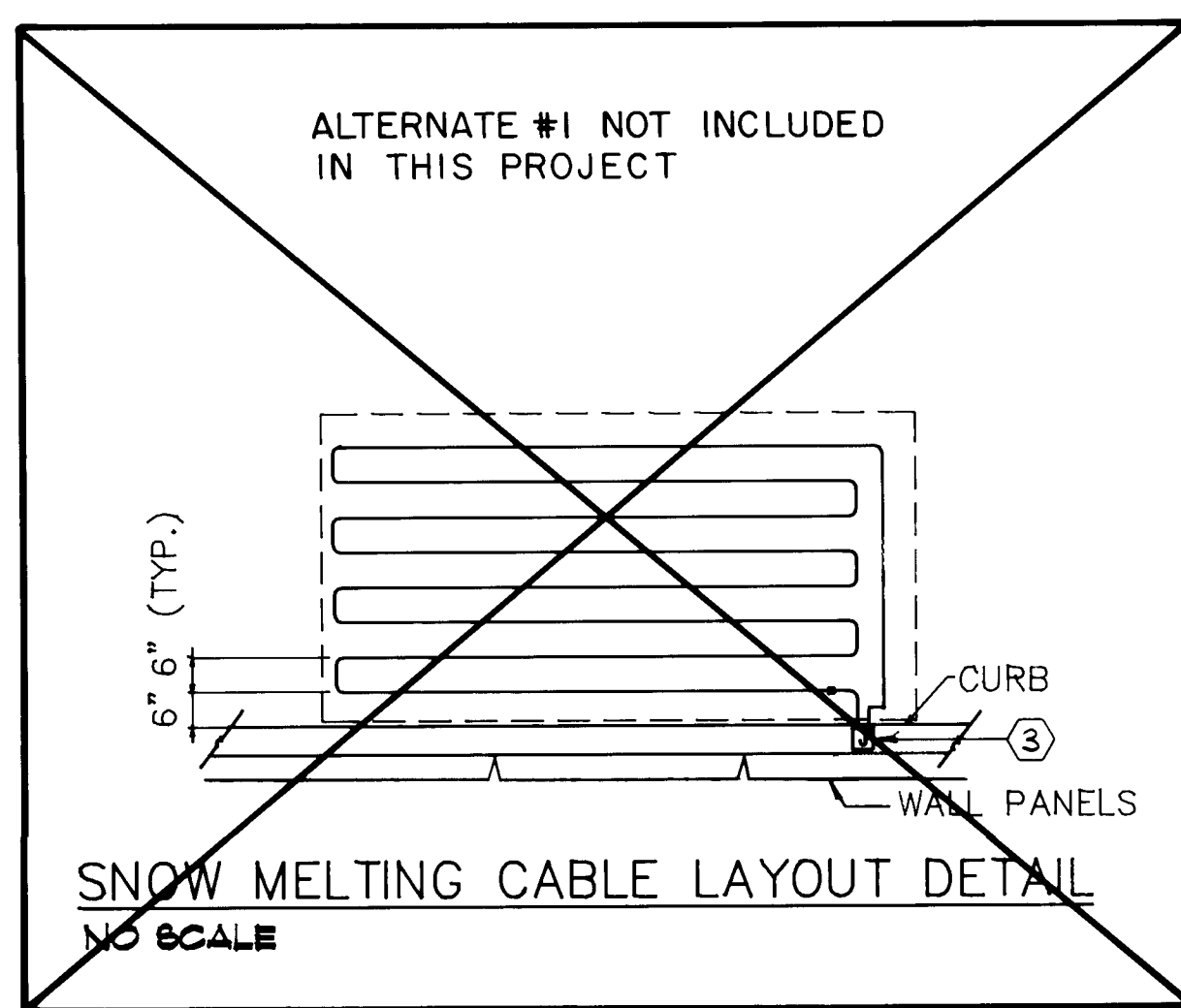
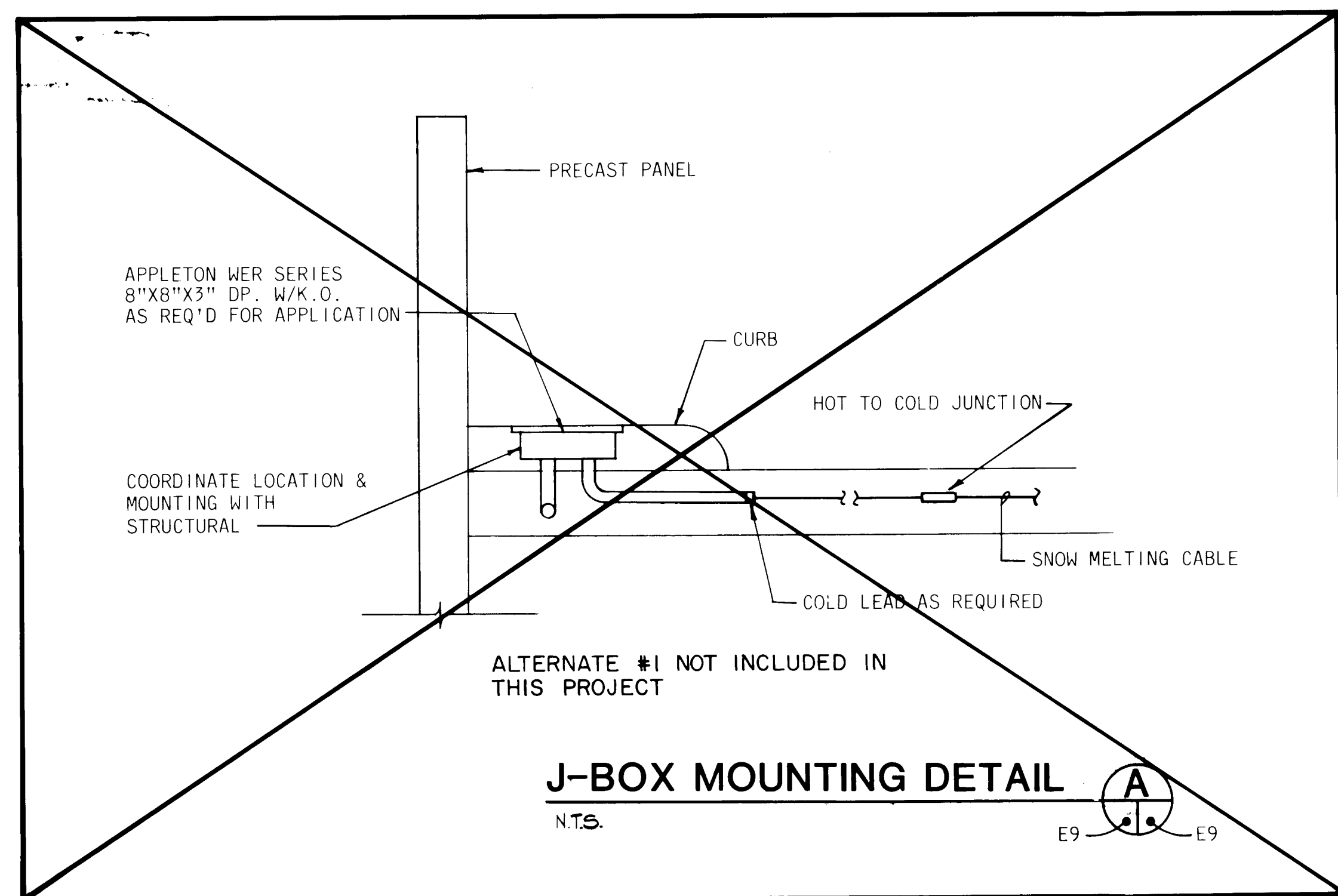
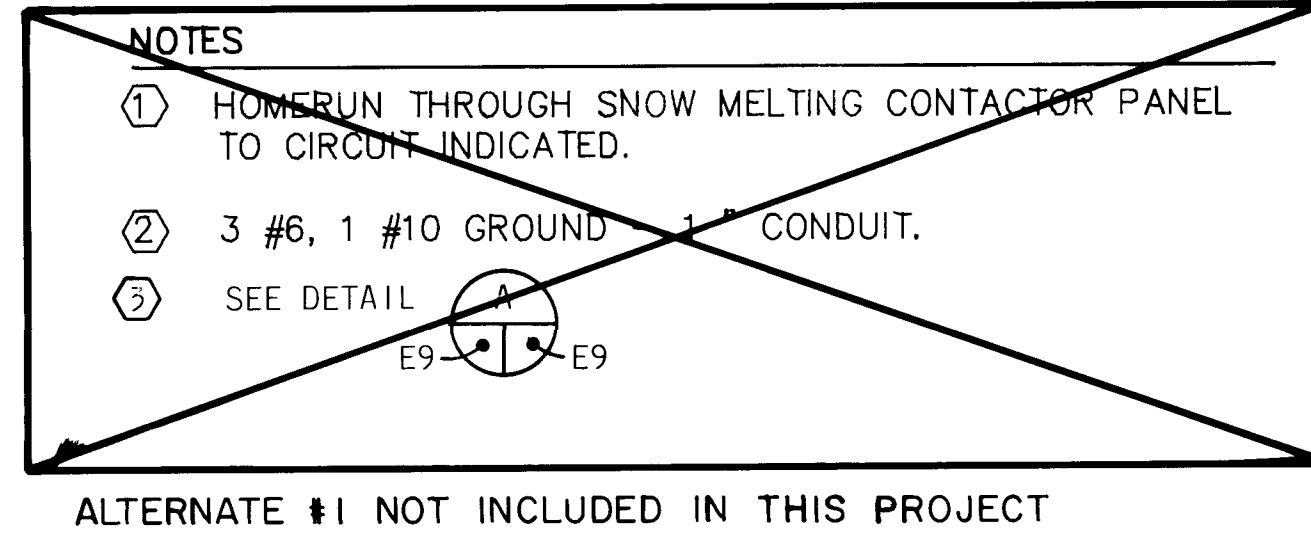


NORTH STAIR - GROUND

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



NOTE:
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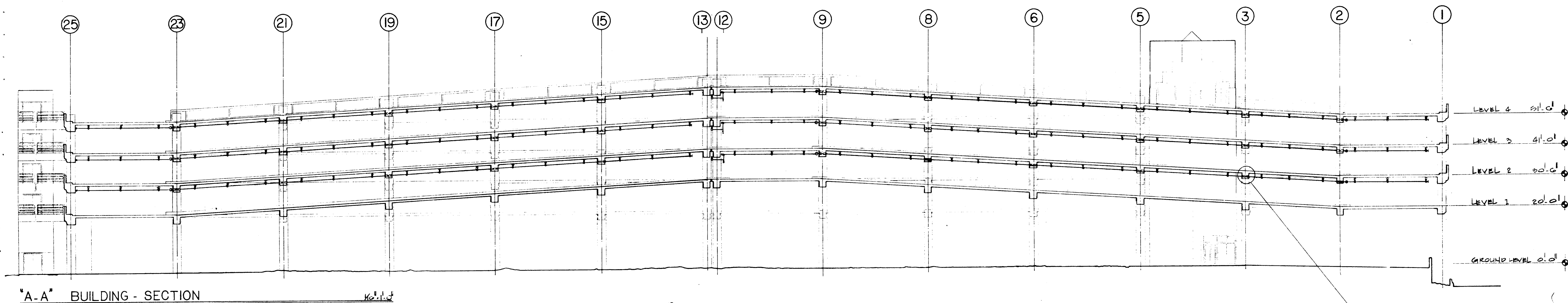
ALTERNATE #1

**PARKING STRUCTURE
SNOW MELTING PLANS AND
DETAILS**

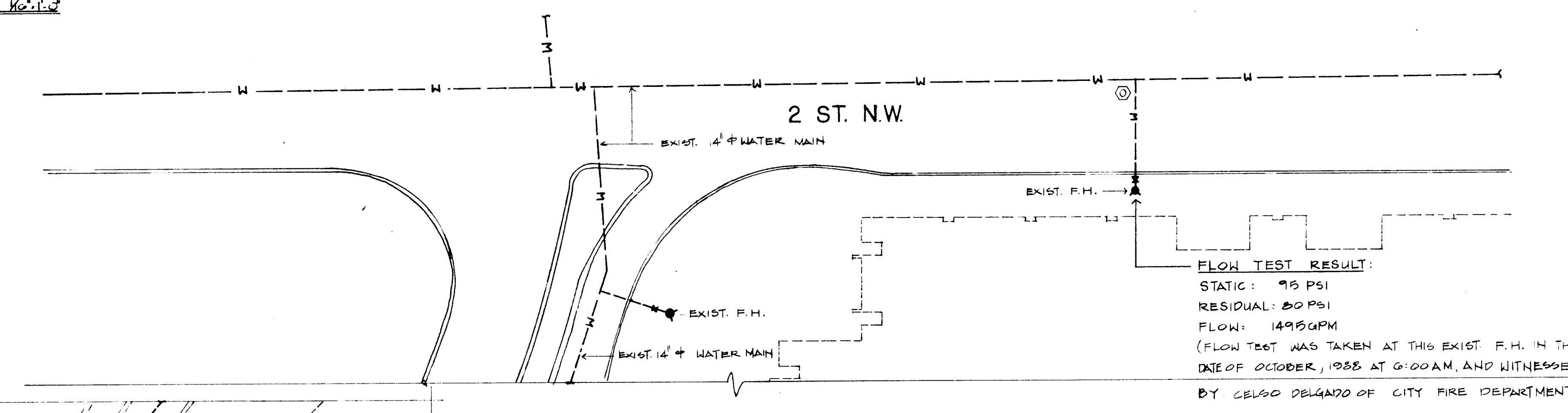
**ALBUQUERQUE
CONVENTION
CENTER**
RENOVATION
AND
EXPANSION

SHEET
E-9
OF 67

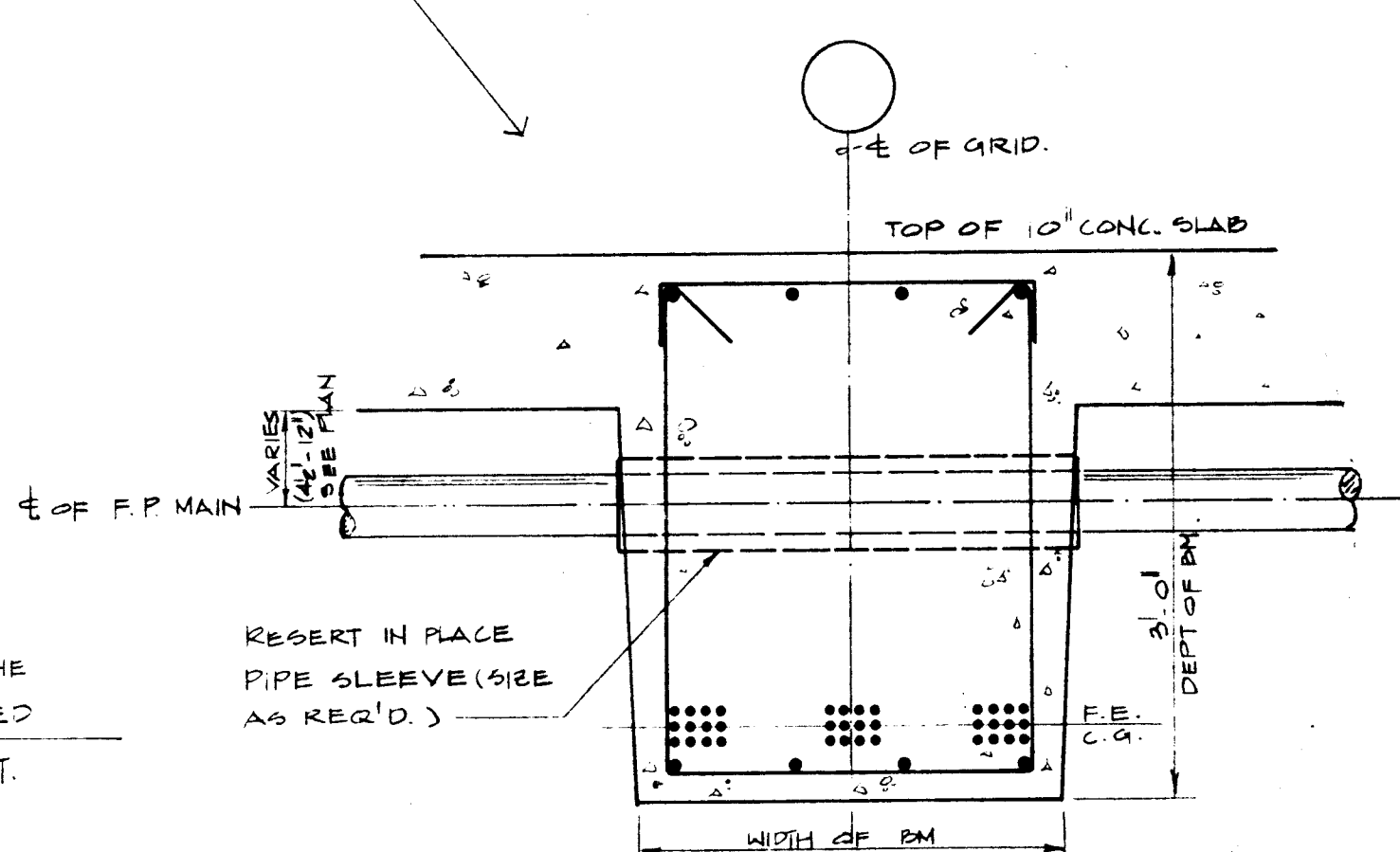
26 27 36 45 91



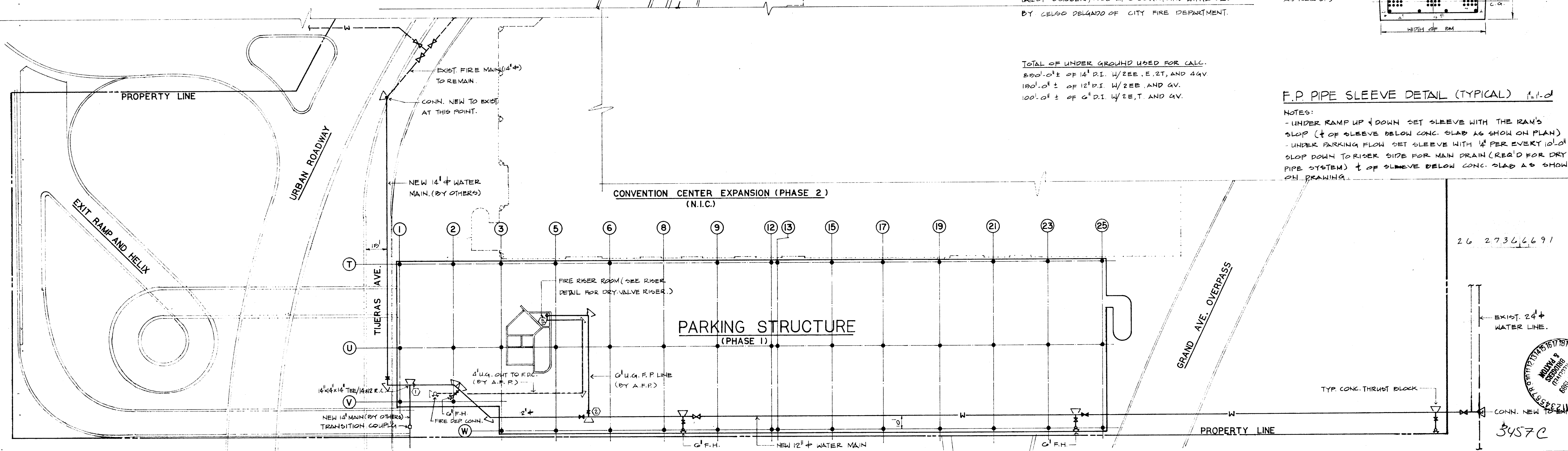
A-A BUILDING SECTION



TOTAL OF UNDER GROUND USED FOR CALC.
 800' OF 14" DI. W/SEE, E. 2T, AND 4GV
 100' OF 12" DI. W/SEE AND 4V.
 100' OF 6" DI. W/SEE, T AND 4V.



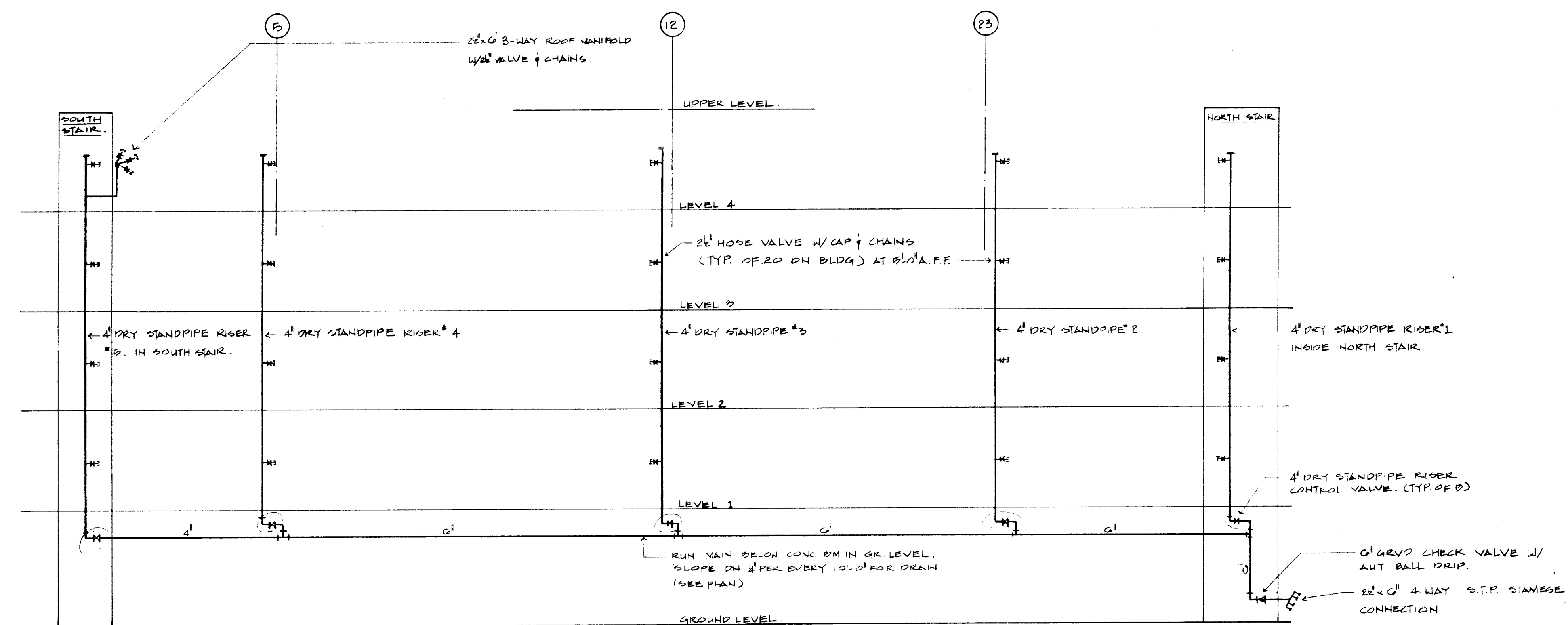
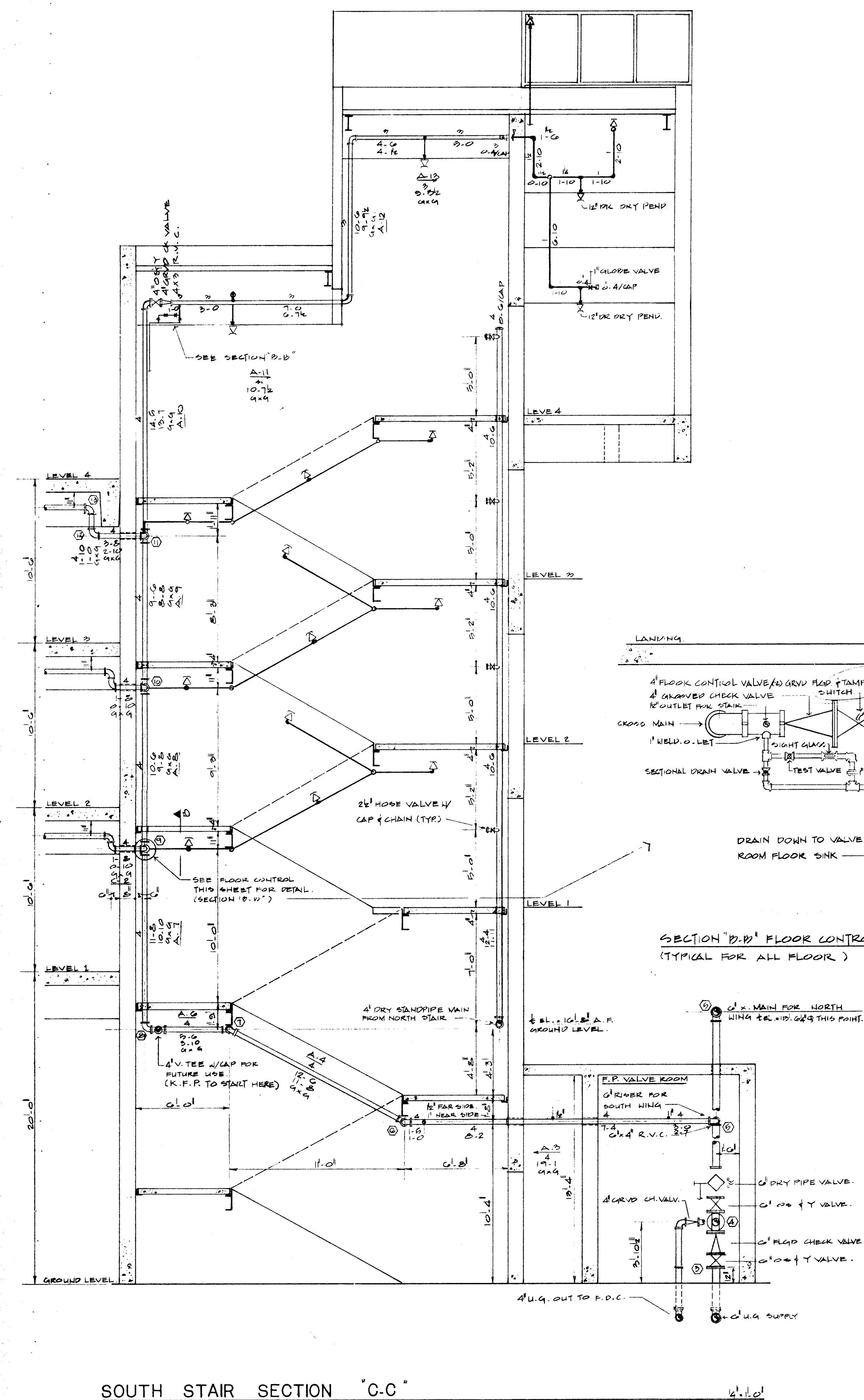
F.P. PIPE SLEEVE DETAIL (TYPICAL)
 NOTES:
 - UNDER RAMP UP & DOWN SET SLEEVE WITH THE RAMP'S SLOP (SLOPE OF SLEEVE BELOW CONC. SLAB AS SHOWN ON PLAN)
 - UNDER PARKING FLOOR SET SLEEVE WITH 1/4" PER FOOT SLOP DOWN TO RIGOR SIDE FOR MAIN DRAIN (REQ'D FOR DRY PIPE SYSTEM) SLOPE OF SLEEVE BELOW CONC. SLAB AS SHOWN ON DRAWING.



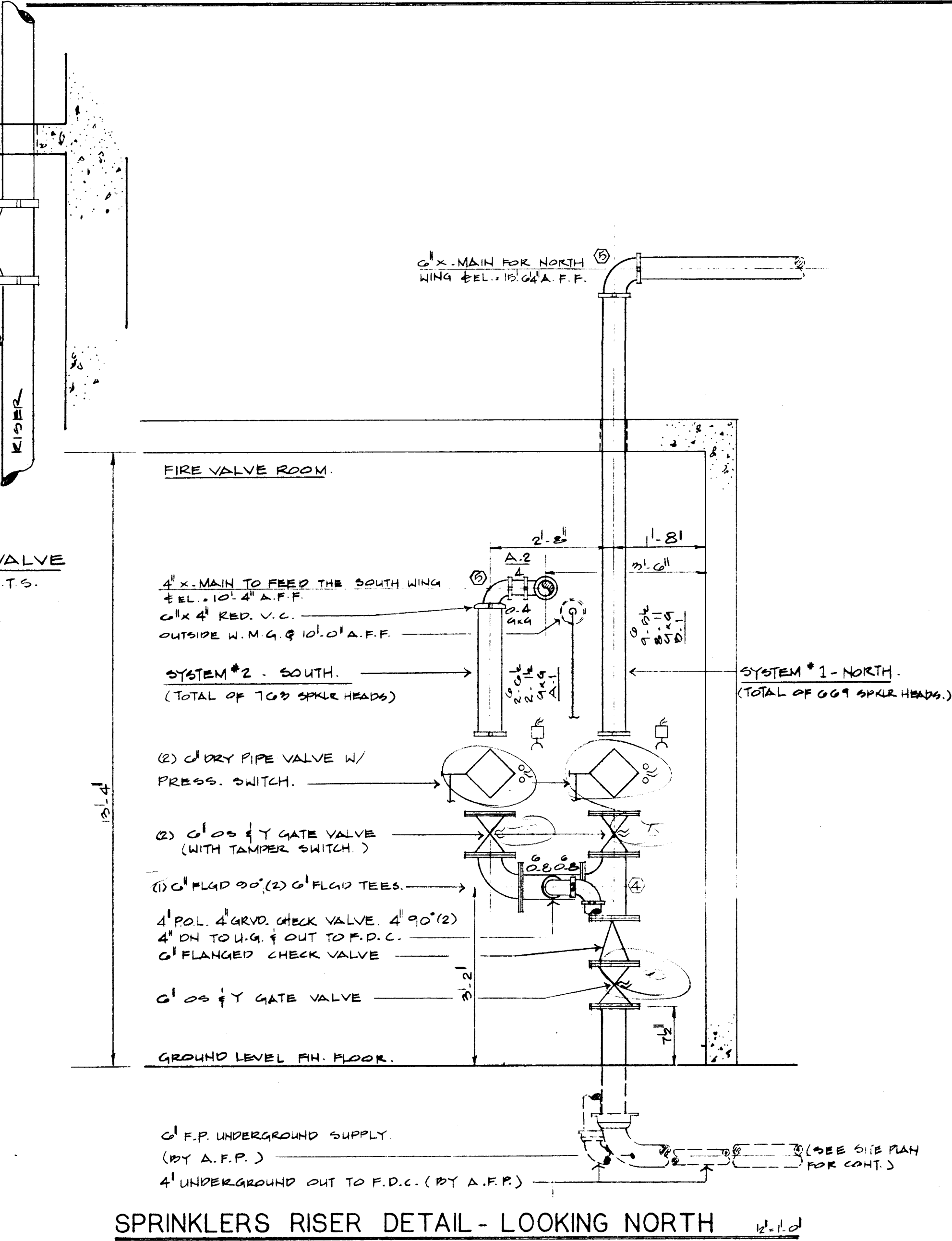
BUILDING SITE PLAN

SPRINKLERS			PHASE 1	
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY	
			CITY OF ALBUQUERQUE PROJECT NO. 2736	
			BLDG NO.	CONT. NO.
			ALLIANCE FIRE PROTECTION, INC.	
			2032 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5188	
			LICENSE NUMBER: 23031	
SPRKL'R'S ON SHEET			DATE: NOV. 10, 1988	
SPRKL'R'S ON CONT.			SHEET 1 OF 12	



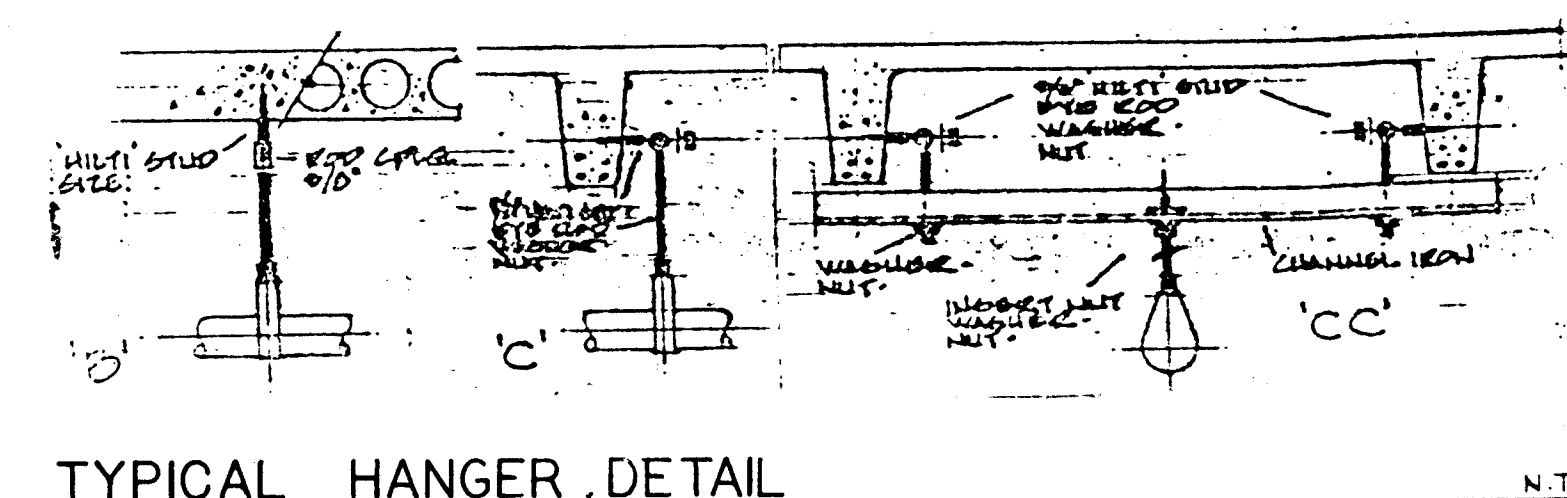


FIRE PROTECTION DRY STANDPIPE PIPING SCHEMATIC



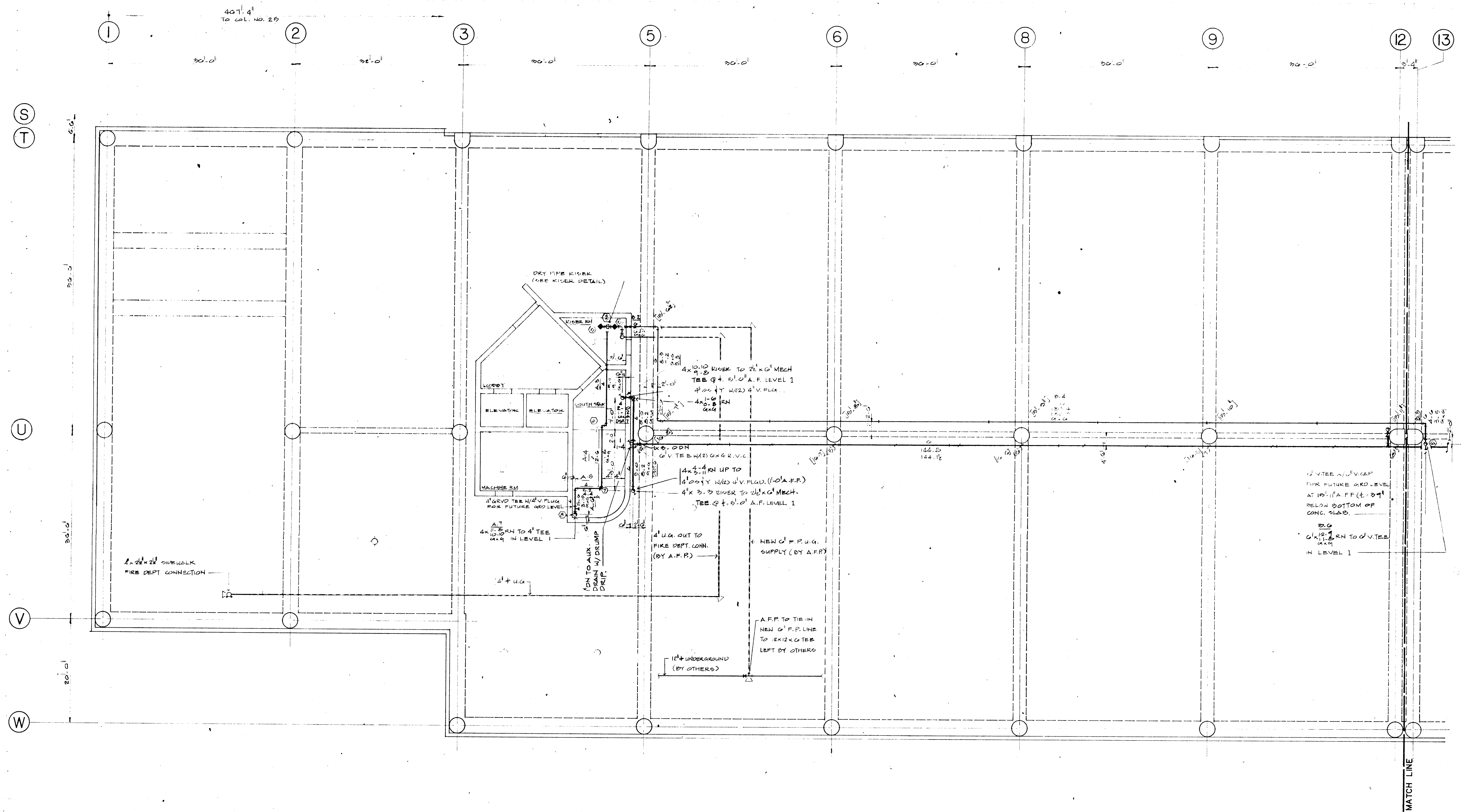
GENERAL NOTES

- 1) ALL PIPING TO BE SCHEDULE 40 BLACK STEEL PIPE
- 2) ALL FITTINGS TO BE IN ACCORDANCE WITH NFPA 13 PARA 8.1.3
- 3) ALL HANGERS TO BE IN ACCORDANCE WITH NFPA 13 PARA 8.1.3
- 4) THIS SYSTEM IS DESIGNED & SUBMITTED ON THE BASIS OF NO OBSTRUCTIONS IN THE PLUMBING SPACE
- 5) SYSTEM IS DESIGNED FOR DRY PIPE VALVE SYSTEM HYDRAULICALLY CALCULATION IN ORDINARY HAZARD OCCUPANCY GROUP 1. THE DENSITY OF .10 GPM PER SQ. FT. OVER A MOST REMOTE AREA OF 1900 SQ. FT.
- 6) FOR SYSTEM DRAIN:
 - ALL CROSS MAIN TO BE PITCHED 1/8" PER 10.0' DOWN TO MAIN RISER FOR DRAIN.
 - ALL BRANCH LINES WILL STOP AT 1/2" PER 10.0' DOWN TO CROSS MAIN GIVE FOR DRAIN.
- 7) AIR COMPRESSOR TO BE PROVIDED BY A.F.P. AND TO BE INSTALLED IN DRY PIPE VALVE ROOM
- 8) FIRE VALVE ROOM HAS TO BE HEATED (BY OTHERS)
- 9) (C) DENOTES HYDRAULIC CALCULATION NODES.



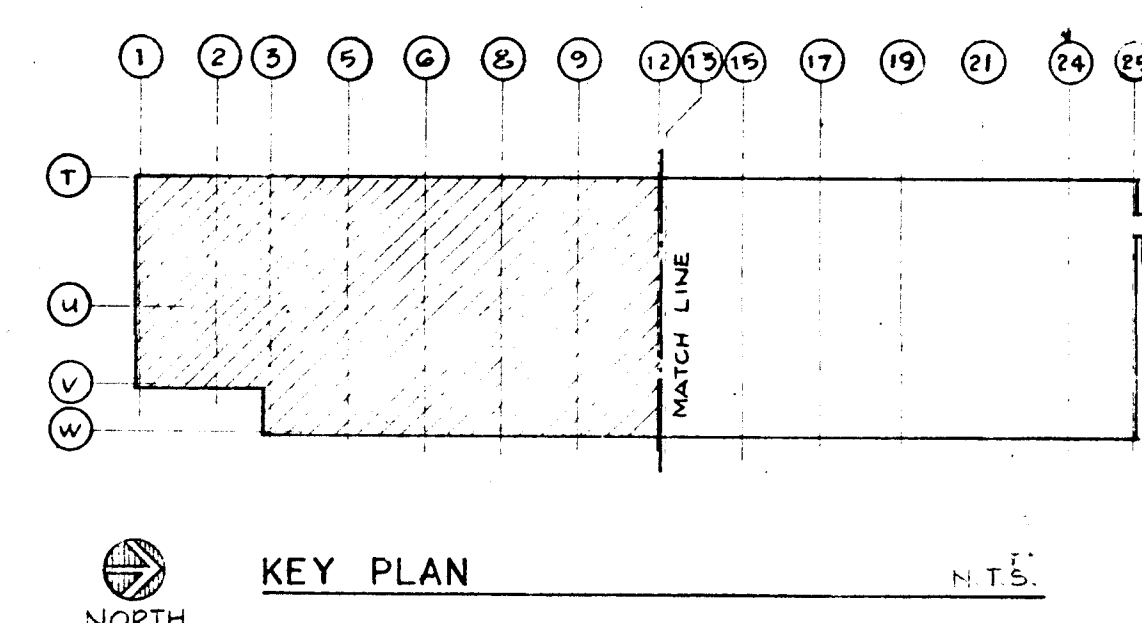
"AS-BUILT"
10-12-1989
A.F.P.

SPRINKLERS			PHASE I	
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY	
			CITY OF ALBUQUERQUE PROJECT NO. 2736	
			BLDG. NO.	CONT. NO.
			ALLIANCE FIRE PROTECTION, INC.	
			2022 CORDELLA SW • ALBUQUERQUE, NEW MEXICO 87105 • TELEPHONE (505) 877-5185	
			LICENSE NUMBER 23021	
SPRKL'R'S ON SHEET			DATE: 10-12-1989	
SPRKL'R'S ON CONT.			SHEET 2 OF 11	



GROUND LEVEL - FIRE PROTECTION PLAN - SOUTH

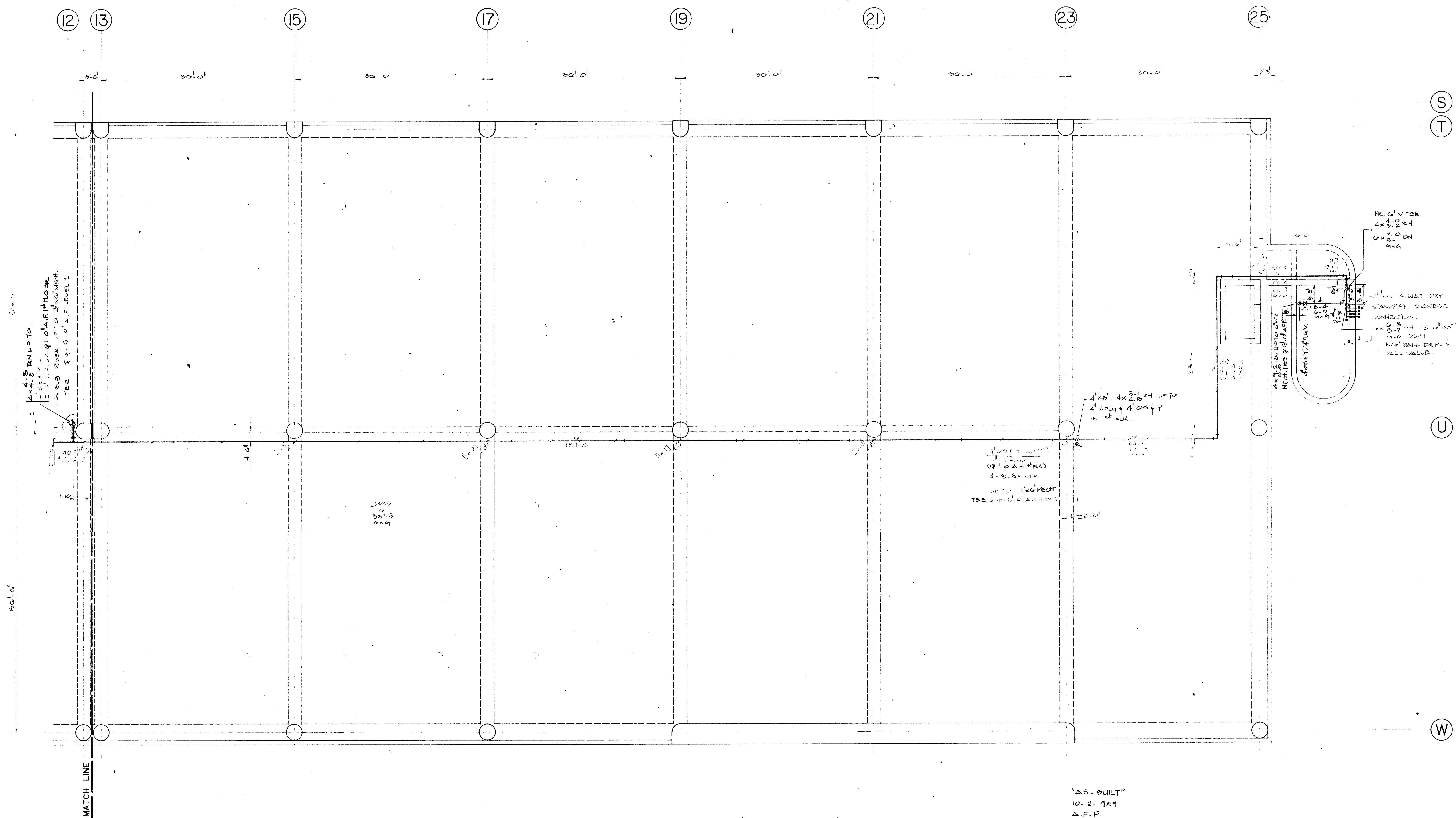
INSTALLATION NOTES:
 (A.P.) - FROM BOTT. OF CONC. BY TO ± OF PIPE.
 (T-5) - ELEVATION OF ± OF PIPE ABOVE FIN FLOOR.



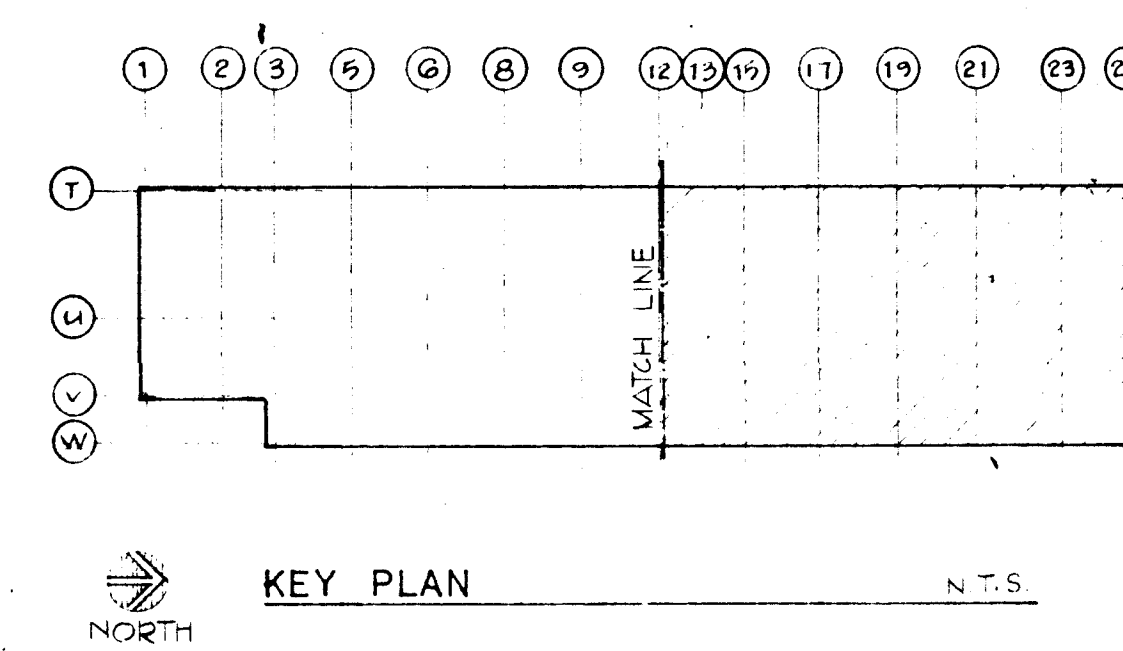
"AS-BUILT"
 10.12.1987
 A.F.P.

26 27346891

SPRINKLERS			PHASE I	
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY	
			CITY OF ALBUQUERQUE PROJECT NO. 2736	
			BLDG. NO.	CONT. NO.
			ALLIANCE FIRE PROTECTION, INC.	
			2032 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5188	
			LICENSE NUMBER: 23021	
SPRKL'R'S ON SHEET			SCALE: 1/8" = 1'-0"	
SPRKL'R'S ON CONT.			DRAWN BY: S.H.	
			APPROVED BY: [Signature]	
			DATE: 10.12.1987	
			SHEET 3 OF 12	



GROUND LEVEL - FIRE PROTECTION - NORTH

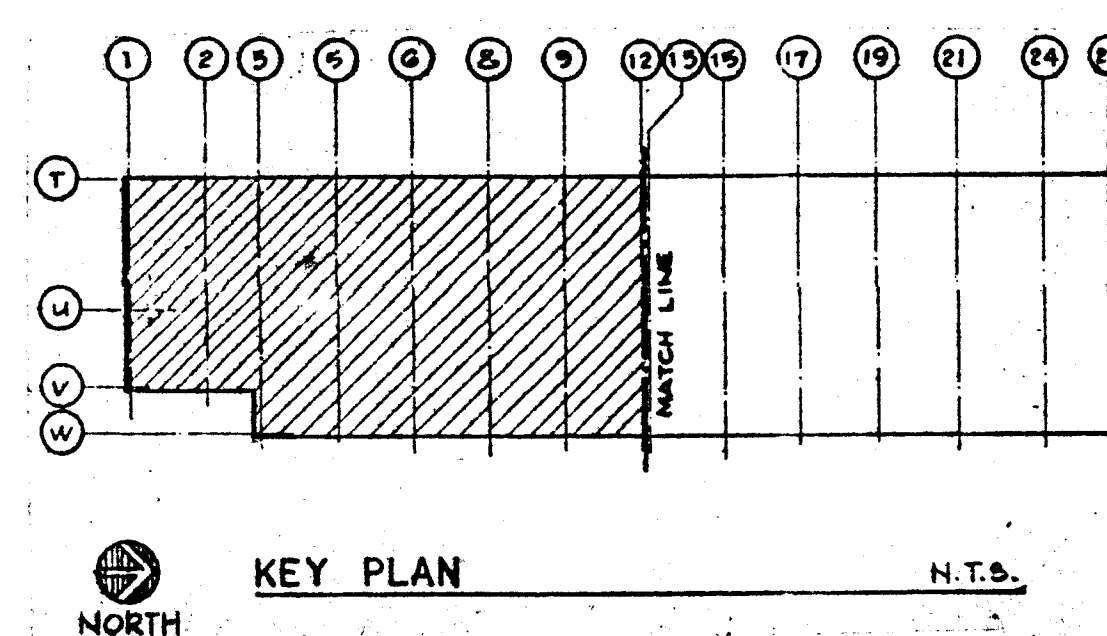


"AS-BUILT"
10.12.1967
A.F.P.

SPRINKLERS			PHASE I	
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY	
			CITY OF ALBUQUERQUE PROJECT NO. 2736	
			BLDG. NO.	CONTR. NO.
			ALLIANCE FIRE PROTECTION, INC.	
			2032 CARRELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-8165	
			SHEET 4 OF 12	



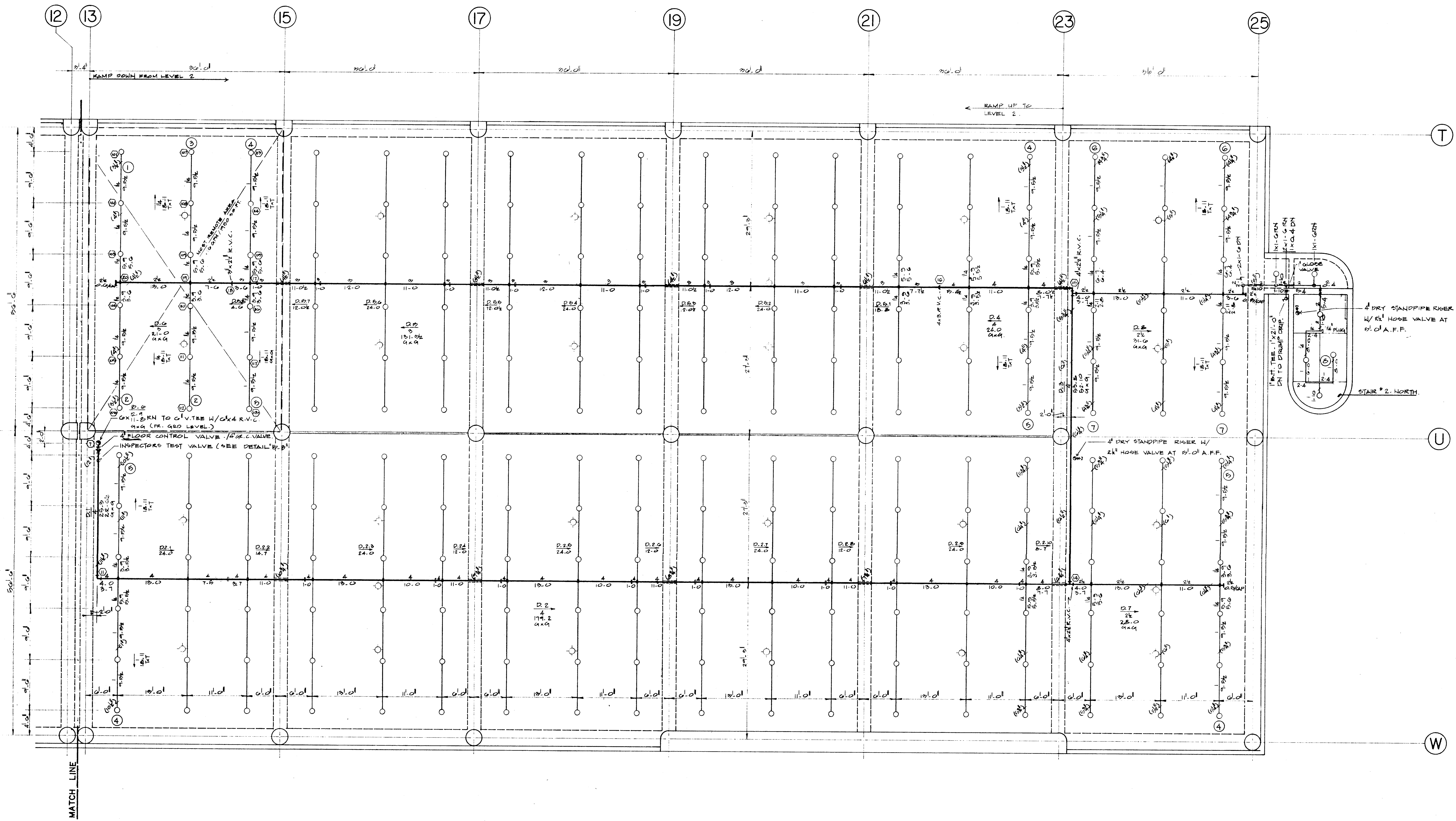
LEVEL I - FIRE PROTECTION - SOUTH



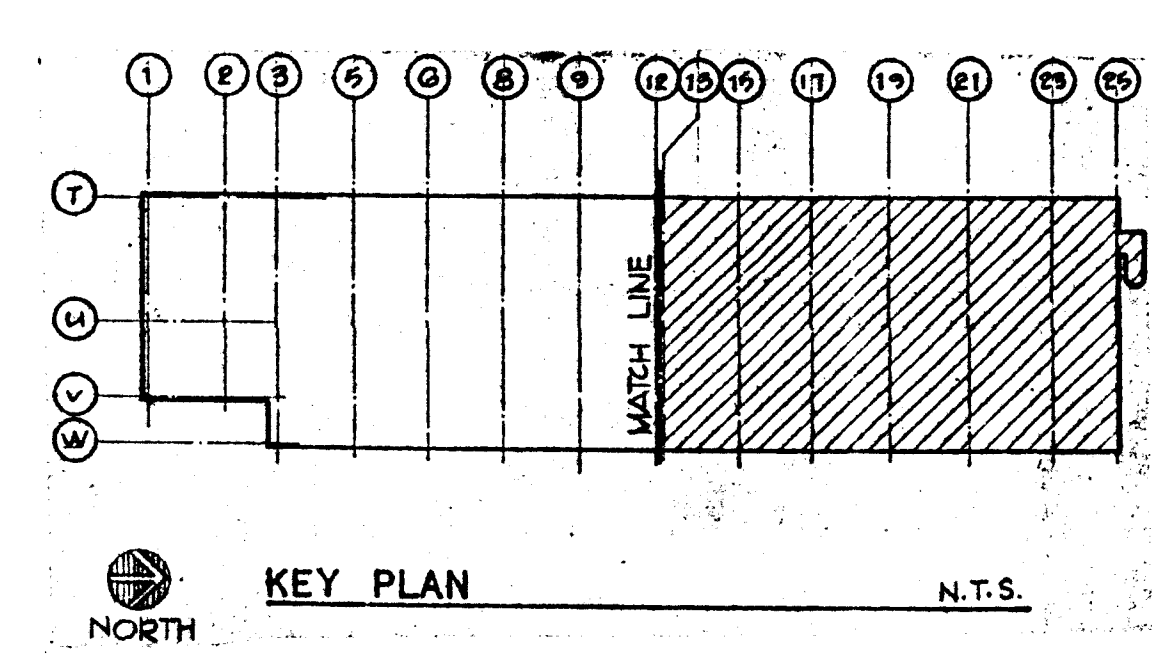
"AS BUILT"
10.12.1989
A.F.P.

26 27367091

SPRINKLERS			PHASE I		PARKING STRUCTURE AND UTILITY	
SYM.	TYPE	ITEM NO.	CITY OF ALBUQUERQUE	PROJECT NO. 2736	BLDG. NO.	CONT. NO.
○	WET	240				
●	DRY	100				
SPRINKLER'S ON SHEET			ALLIANCE FIRE PROTECTION, INC.		DATE: 10.12.1989	
SPRINKLER'S ON CONT.			2002 CORDELLA SV - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5185		SHEET 5 OF 12	
			LICENSE NUMBER: 33031			



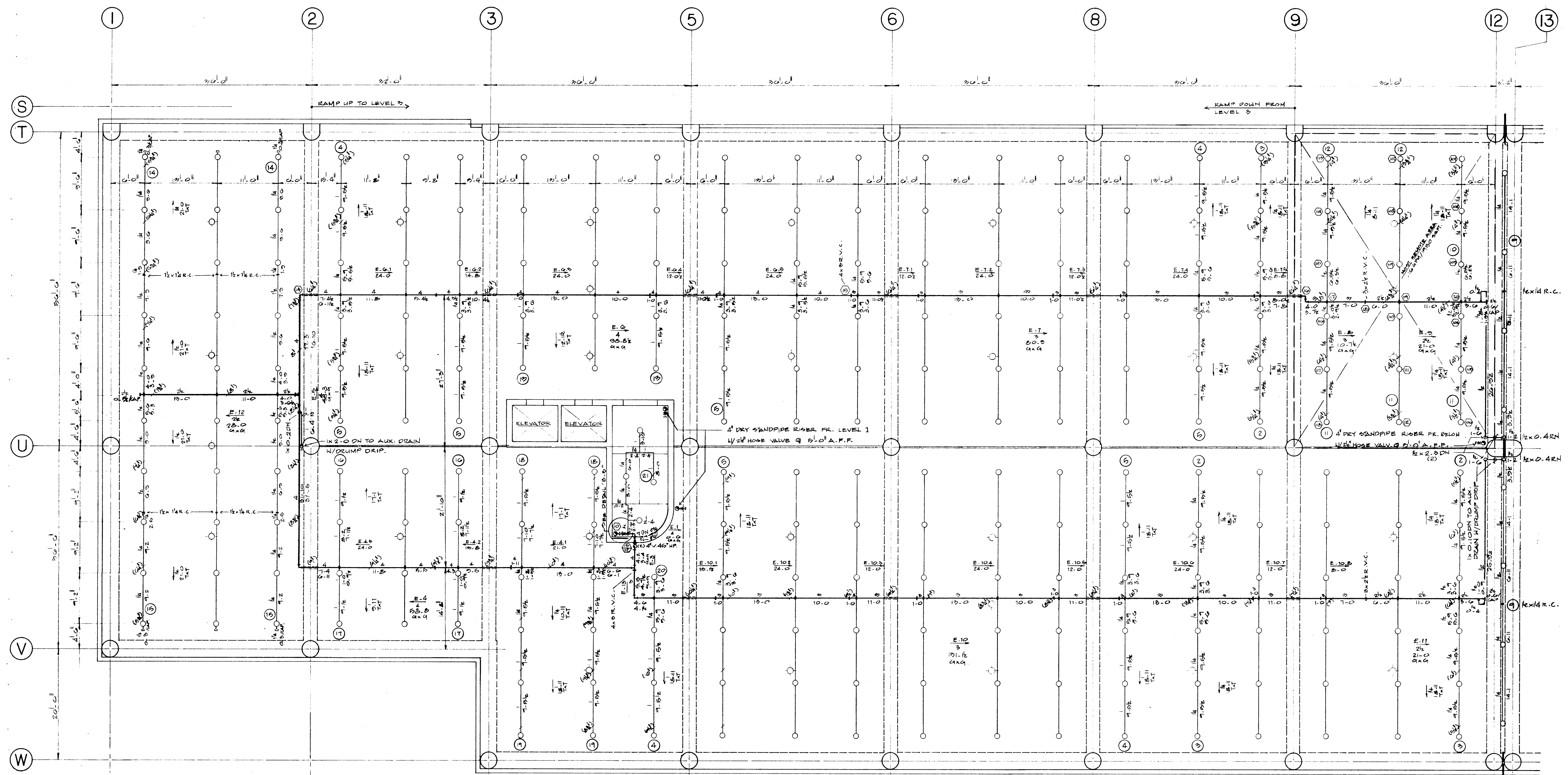
LEVEL I - FIRE PROTECTION PLAN - NORTH



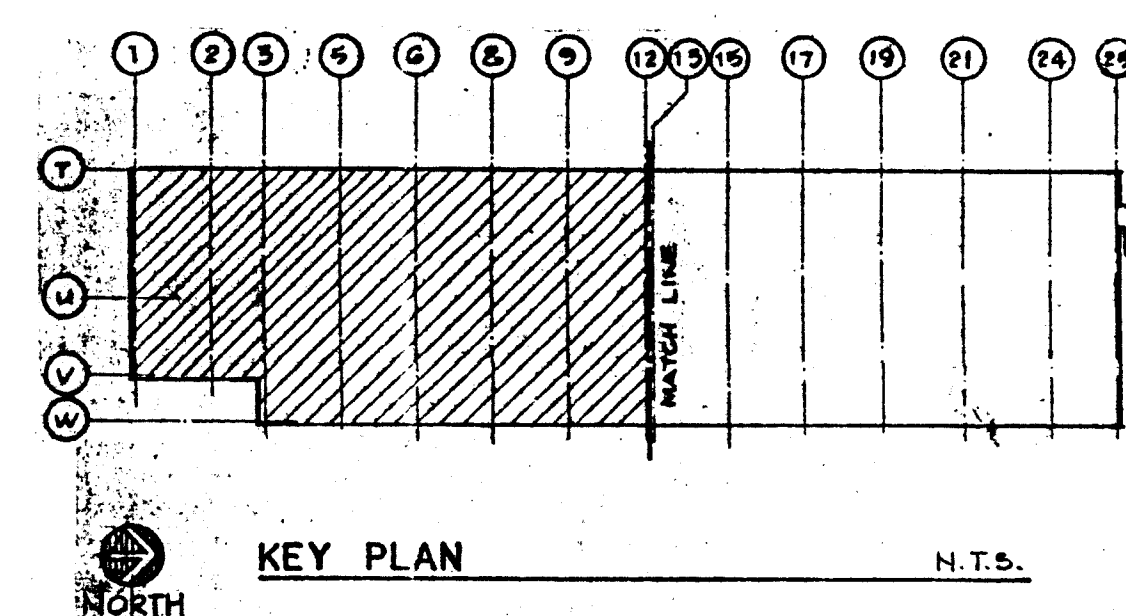
'AS-BUILT'
10-12-1989
A.P.P.

2/6, 2/7, 3/6/7/19/11

SPRINKLERS			PHASE I		SCALE: AS NOTED DRAWN BY: S.H. APPROVED BY: I.S.P. g ARCH: DATE: 10/10/1989 SHEET 6 OF 12
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY		
O	UPRCH	1000	CITY OF ALBUQUERQUE PROJECT NO. 2736		
			BLDG. NO.	OCCUP.	
			CONT. NO.		
			ALLIANCE FIRE PROTECTION, INC.		
SPRKL'R'S ON SHEET			2002 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5160		
SPRKL'R'S ON CONT.			LICENSE NUMBER: 23021		

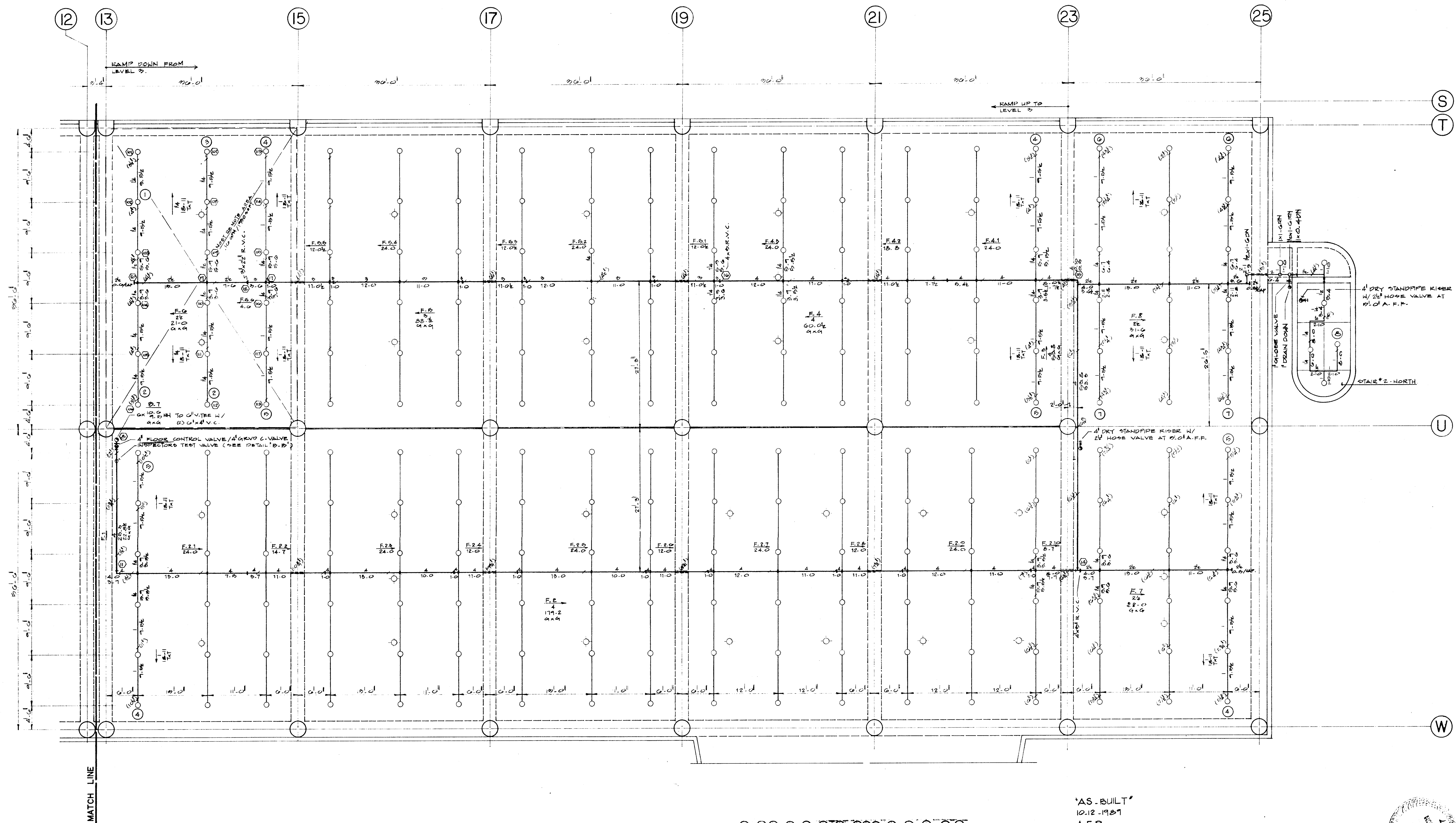


LEVEL 2 - FIRE PROTECTION PLAN - SOUTH

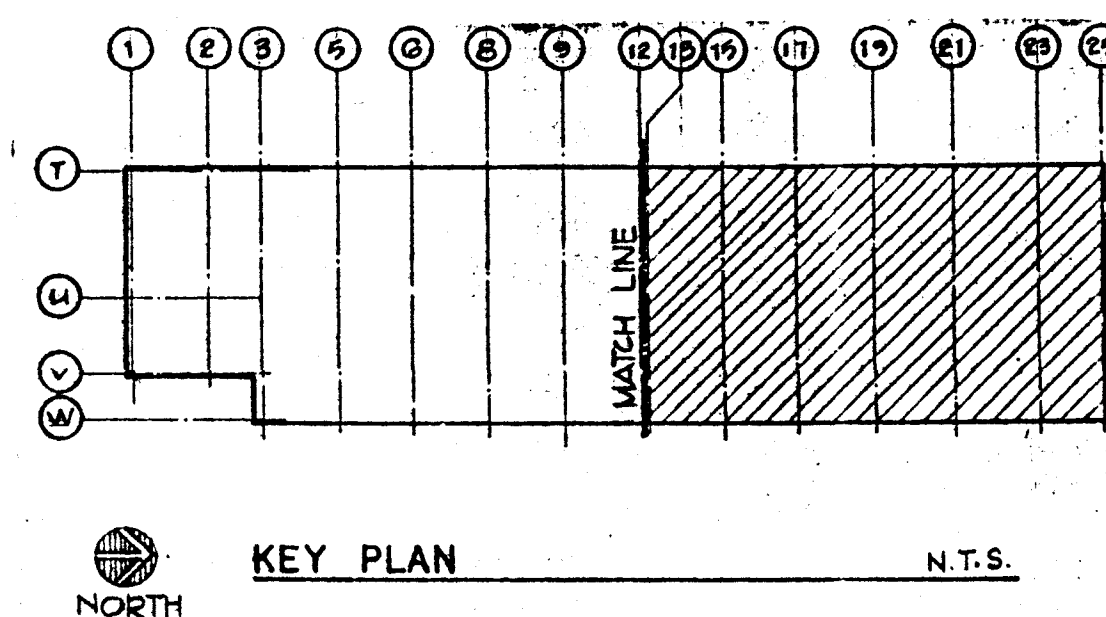


"AS-BUILT"
10.12.1989
A.F.P.

SPRINKLERS			PHASE I		SCALE: 1/8" = 1'-0"	
SYM.	TYPE	TEM. NO.	PARKING STRUCTURE AND UTILITY			DRAWN BY: S.H.
O	WET SPACED HOLDERS	156 2.4/7	CITY OF ALBUQUERQUE PROJECT NO. 2736			APPROVED BY: 1.5.0
			BLDG. NO.	OCCUP.	CONT. NO.	ASCH.
			ALLIANCE FIRE PROTECTION, INC.			DATE: 10/19/89
SPRKL'R'S ON SHEET	247		2032 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5165			SHEET 7 OF 12
SPRKL'R'S ON CONT.	1402		LICENSE NUMBER: 52021			

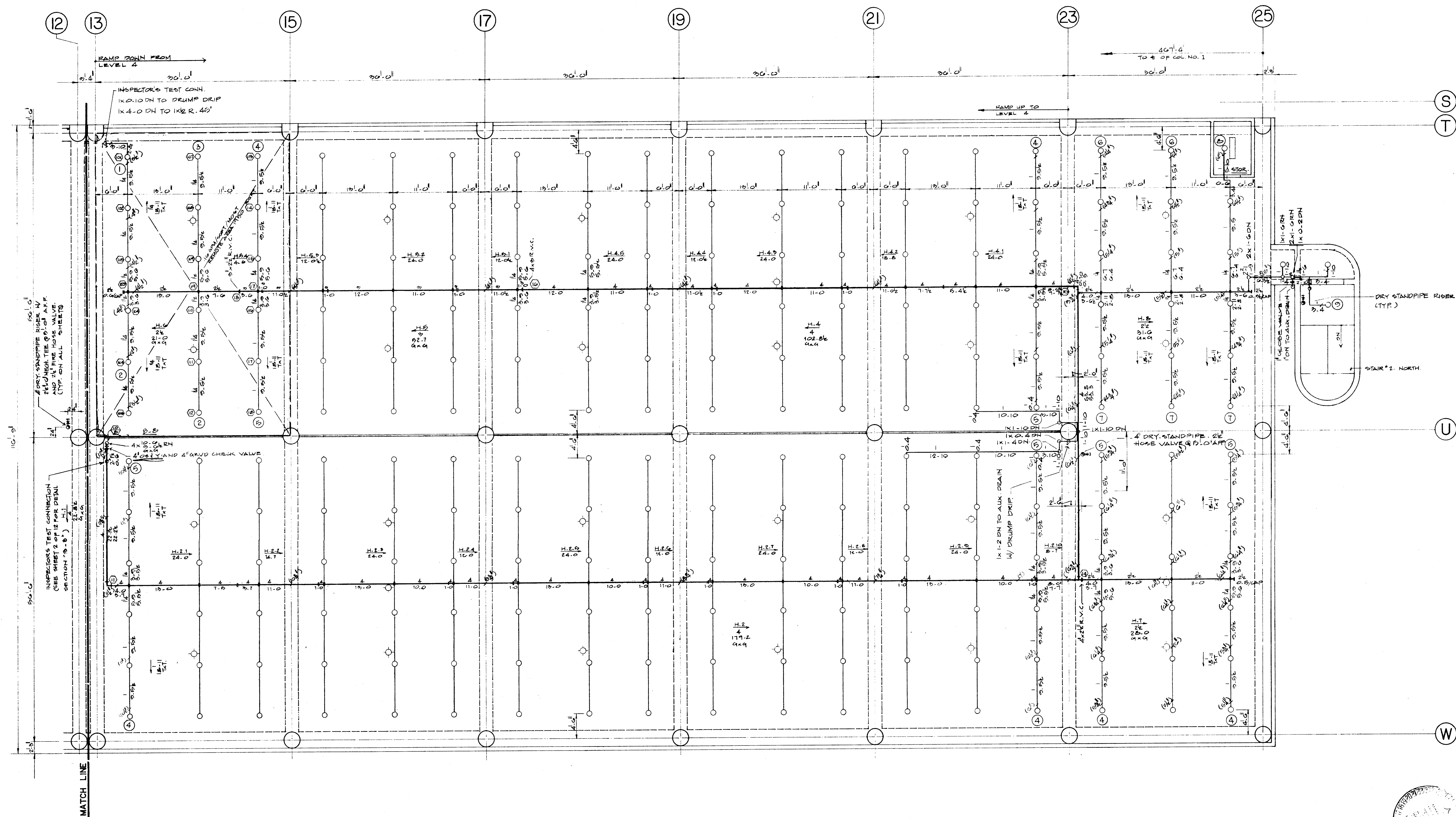


LEVEL 2 - FIRE PROTECTION PLAN - NORTH



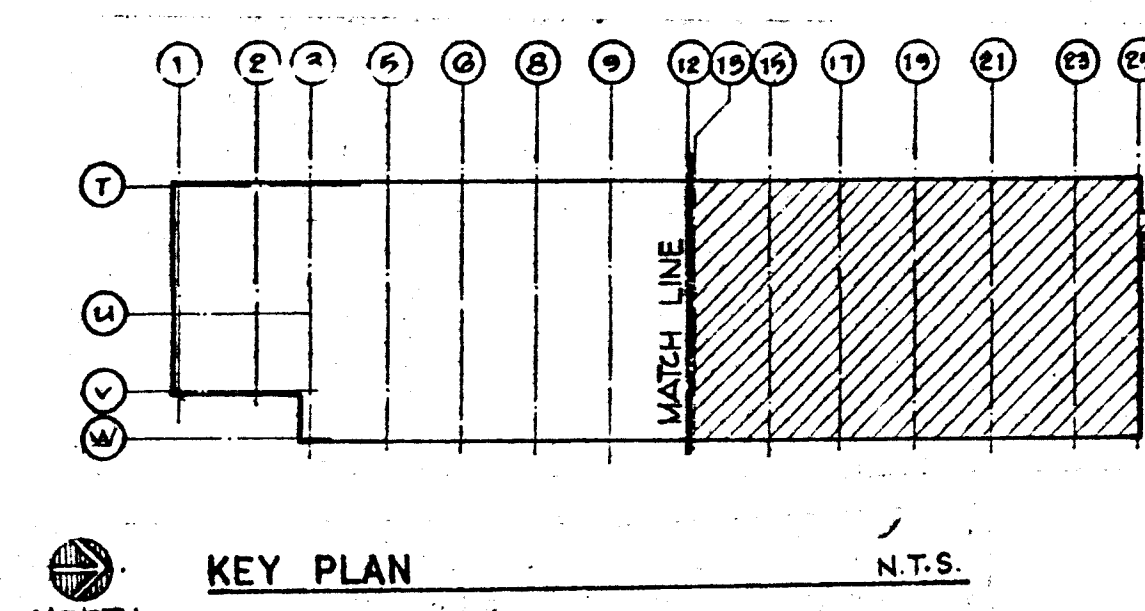
'AS-BUILT'
10.12.1987
A.F.P.

SPRINKLERS				PHASE I		SCALE: AS NOTED DRAWN BY: S. H. APPROVED BY: DATE: NOV. 10, 1988 SHEET 8 OF 12
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY			
○	dry upright	100" 222	CITY OF ALBUQUERQUE PROJECT NO. 2736			
			BLDG. NO. OCCUP CONT. NO.			
			ALLIANCE FIRE PROTECTION, INC.			
SPRKL'R'S ON SHEET 222			2002 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5186			
SPRKL'R'S ON CONT. 1498			LICENSE NUMBER: 23021			



LEVEL 3 - FIRE PROTECTION PLAN - NORTH

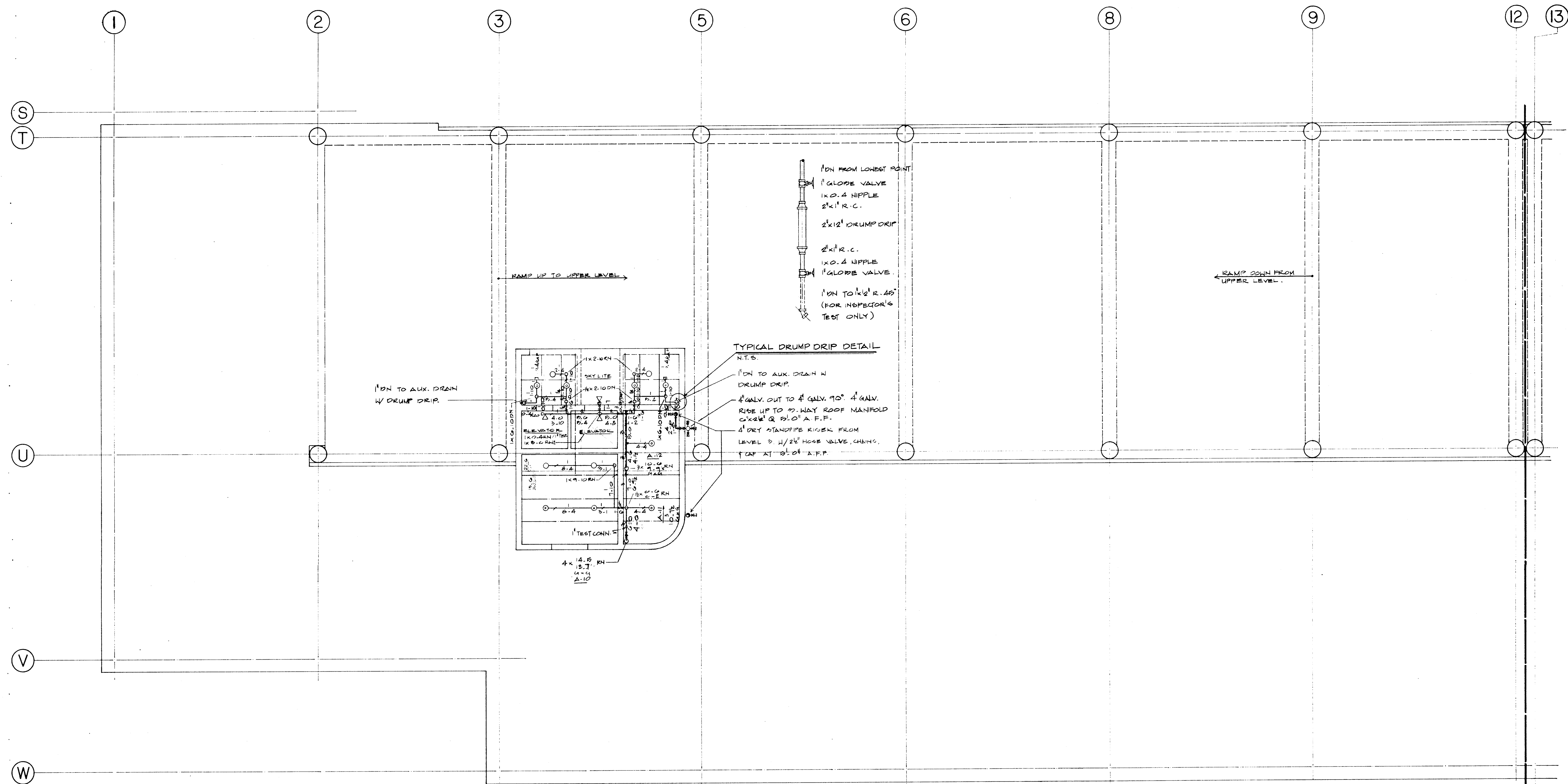
6'-10"



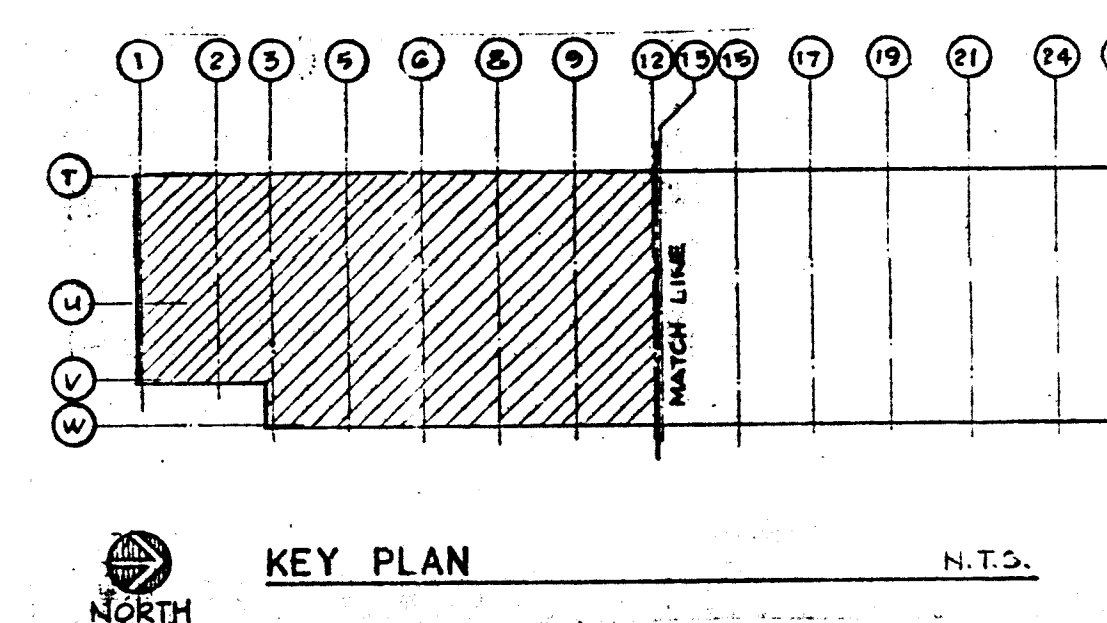
"AS-BUILT"
10.12.1987
A.F.P.

26 27 36 75 91

SPRINKLERS			PHASE I		SCALE: AS NOTED DRAWN BY: S.H. APPROVED BY: 1.S.O. ARCHT: _____ DATE: NOV 10 1988 SHEET 10 OF 12
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY		
O	1/2" BRASS	106 2.1	CITY OF ALBUQUERQUE PROJECT NO. 2736		
			BLDG. NO.	CONT. NO.	
			ALLIANCE FIRE PROTECTION, INC.		
			2032 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5186		
			LICENSE NUMBER: 32021		
SPRKL'R'S ON SHEET	2.1				
SPRKL'R'S ON CONT.	452				



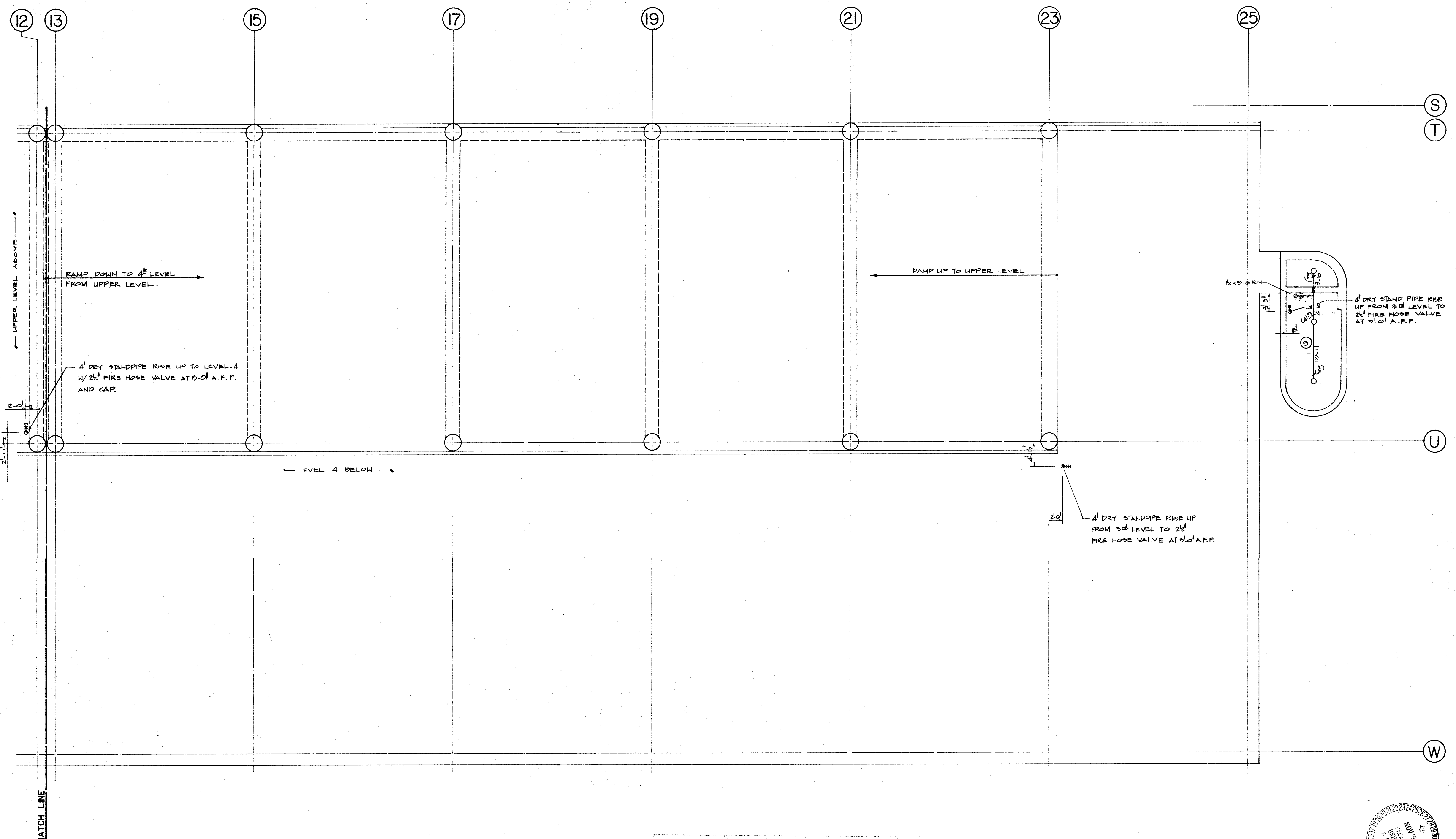
LEVEL 4 - FIRE PROTECTION PLAN - SOUTH



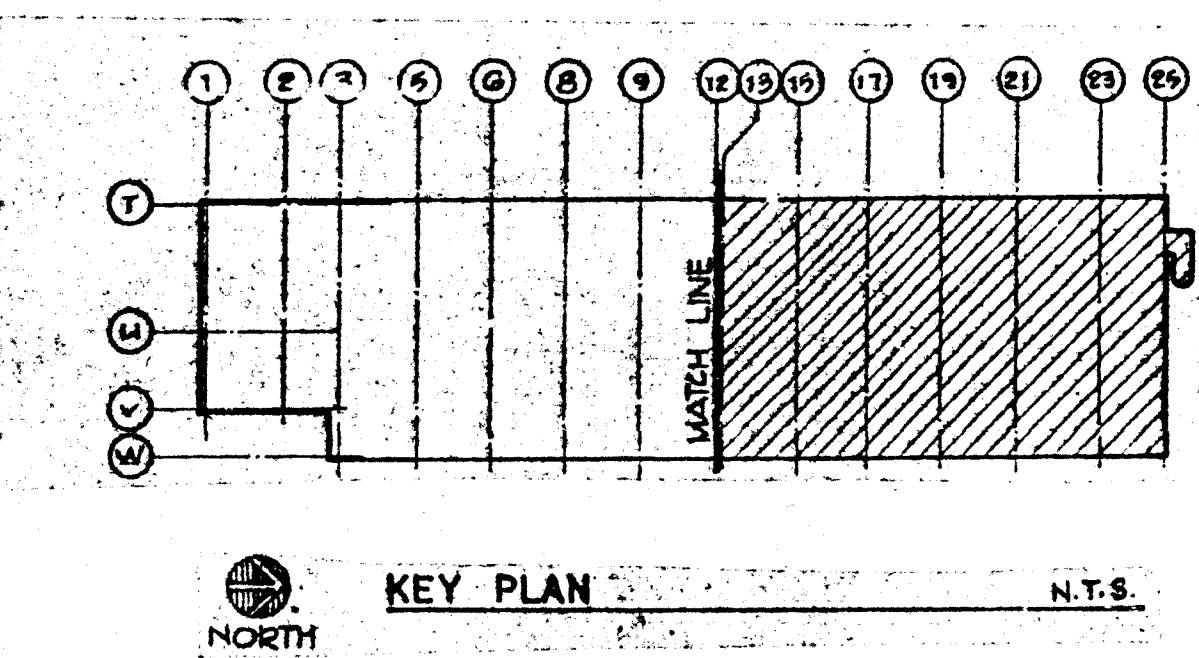
"AS-BUILT"
10.12.1987
A.F.P.

26 27367691

SPRINKLERS			PHASE I		SCALE: AS NOTED
SYM.	TYPE	TEM. NO.	PARKING STRUCTURE AND UTILITY		DRAWN BY: S. H.
0	ESCAP	160°F	CITY OF ALBUQUERQUE PROJECT NO. 2736		APPROVED BY:
4	ESCAP	212°F	BLDG. NO.	OCCUP.	1-4-0-1
6	ESCAP	160°F	CONT. NO.		ARCH.
			ALLIANCE FIRE PROTECTION, INC.		DATE: Nov. 10, 1987
SPRKL'R'S ON SHEET			2032 CORDELIA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-1105		SHEET 11 OF 13
SPRKL'R'S ON CONT.			LICENSE NUMBER: 23021		



LEVEL 4 - FIRE PROTECTION PLAN - NORTH



AS BUILT
10.12.1101
A.F.P.

26 273677911

SPRINKLERS			PHASE I		SCALE: 1/4" = 1'-0" DRAWN BY: S.H. APPROVED BY: S.H. DATE: Nov 10, 1999 SHEET 12 OF 12
SYM.	TYPE	ITEM NO.	PARKING STRUCTURE AND UTILITY		
O	UPR. UPRIGHT 1GB	3	CITY OF ALBUQUERQUE PROJECT NO. 2736		
			BLDG. NO.	OCCUP.	
			CONT. NO.		
SPRKL'R'S ON SHEET			ALLIANCE FIRE PROTECTION, INC.		
SPRKL'R'S ON CONT.			2032 CORDELLA SW - ALBUQUERQUE, NEW MEXICO 87105 - TELEPHONE (505) 877-5185		
			LICENSE NUMBER: 22081		