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EDMUND S. 'ED' COY PARKING STRUCTURE

PERMIT SUBMITTAL

for

THE CITY OF STOCKTON

OFFICE COPY

MARCH 11, 2005

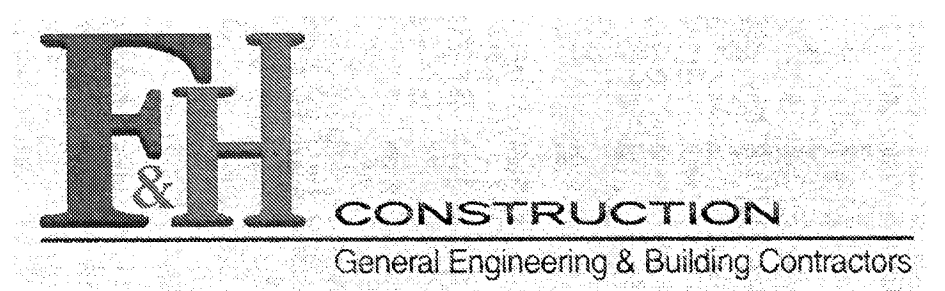
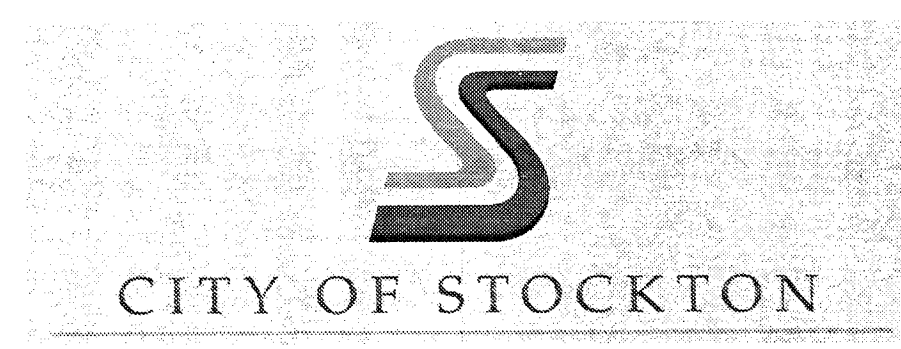
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This set of plans and calculations MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from Building Inspection, City of Stockton.
APPROVED Date 3-1
By [Signature] Permit No. 04-9125
The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any Ordinance or Law. Occupancy of structure not permitted until after final approval.

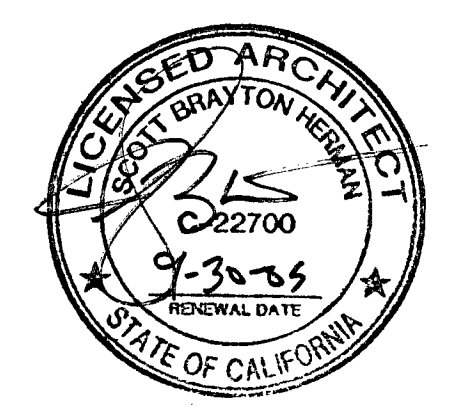
04-9125

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130 N. Hunter St



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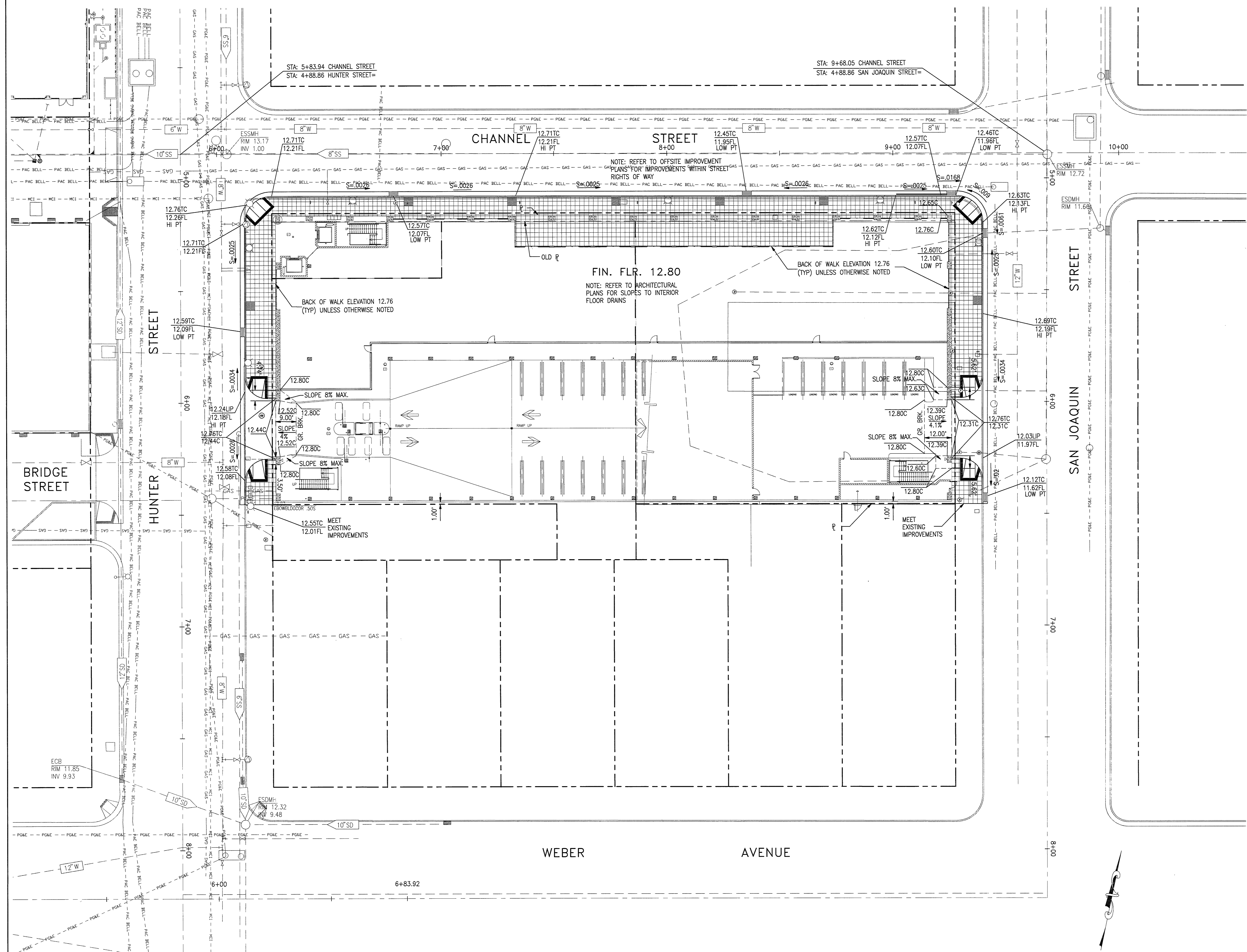
CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

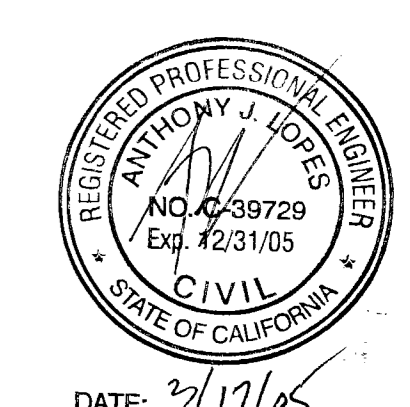
DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
 Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670
 Design Architect
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 246 E. Main Street
 Stockton, California 95202
 209.944.9110
 Structural Engineer
 Jessen-Wright Structural Engineers
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 Chico, California 95926
 530.894.5345
 Civil Engineer
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 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021
 Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650
 Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691
 Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601



CONST. DOCUMENTS

REVISIONS:
 ADD ELEVATION INFORMATION @ DW'S 3-11-05 GE



DATE: 3/17/05
 SHEET TITLE
 SITE PLAN

DATE	SCALE
DRAWN BY	AS NOTED
DRAWING NO.	CHECKED BY
PROGRAM NO.	SHEET
DRAWING NO.:	R. NO.
PROJECT NO.:	HNA 2319

C-1

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

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EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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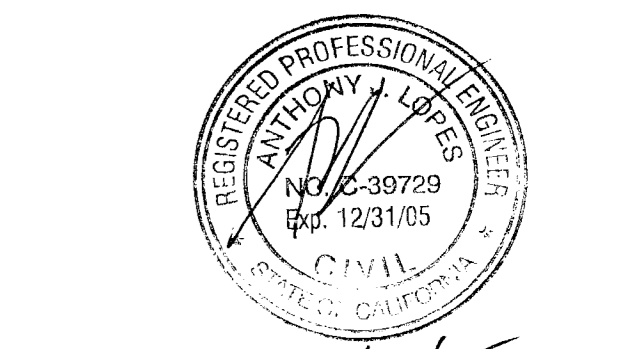
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Mechanical Designer - Design/Builder
Comfort Air
 1607 Tumble Road
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CONST. DOCUMENTS

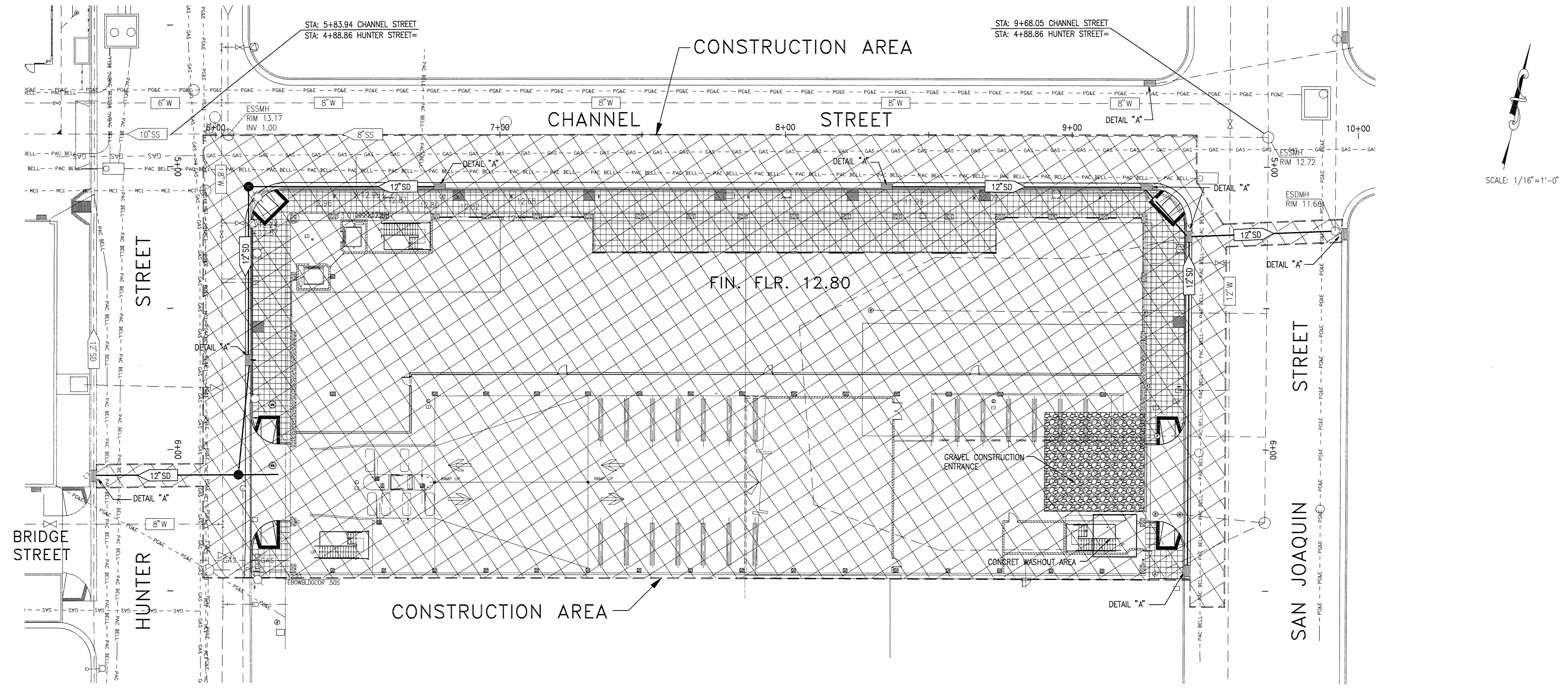
REVISIONS:
 ADD DETAIL "A" TO 3 CB'S 3-11-05 GE



SHEET TITLE

EROSION CONTROL PLAN

DATE	SCALE	AS NOTED
DRAWN BY	CHECKED BY	
DRAWING NO.	SHEET	
PROGRAM NO.	R-NO.	
DRAWING NO.	C-2	
PROJECT NO.	HNA 2319	



EROSION CONTROL CONSTRUCTION NOTES

- BMP CA2: PAVING OPERATIONS**
- AVOID PAVING DURING WET WEATHER.
 - USE DRIP PANS UNDER PAVING EQUIPMENT IF LEAKING OIL OR GREASE.
 - DO NOT ALLOW SAND OR GRAVEL PLACED OVER NEW ASPHALT TO WASH INTO CATCH BASINS.
- BMP CA23: CONCRETE WASTE MANAGEMENT**
- PERFORM WASHOUT OF CONCRETE TRUCKS IN DESIGNATED AREAS.
 - DO NOT DUMP EXCESS CONCRETE ON-SITE.
 - TRAIN EMPLOYEES AND SUB-CONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.
 - CONTAIN CONCRETE WASTE AND DISPOSE OF PROPERLY.
- BMP ESC21: DUST CONTROL**
- USE REQUIRED DUST CONTROL MEASURES DURING CONSTRUCTION ESPECIALLY DURING GRADING OPERATIONS.
- BMP ESC51/52: SAND BAG OR STRAW BALE BARRIERS**
- USE BARRIERS TO TRAP SEDIMENT GOING INTO CATCH BASINS AND SEDIMENT THAT COULD POTENTIALLY LEAVE THE SITE.
 - SEE THIS SHEET FOR BARRIER DETAILS.
- ADDITIONAL NOTES**
- CONSTRUCTION OPERATIONS- DUST SHALL BE CONTROLLED. WASTEWATER GENERATED DURING CONSTRUCTION SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. THIS INCLUDES WASTE FROM PAINTING, SAWCUTTING, CONCRETE WORK ETC. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO ELIMINATE DISCHARGES TO THE STORM DRAIN SYSTEM AND, IF NECESSARY, PROVIDE AN AREA FOR ON-SITE WASHING ACTIVITIES DURING CONSTRUCTION. MATERIALS WHICH COULD CONTAMINATE STORM RUNOFF SHALL BE STORED IN AREAS WHICH ARE DESIGNED TO PREVENT EXPOSURE TO RAINFALL AND TO NOT ALLOW STORM WATER TO RUN ONTO THE AREA.
 - PAVEMENT CLEANING- FLUSHING OF STREETS/ PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEEPED.

MONITORING PROGRAM FOR POLLUTANTS NOT VISUALLY DETECTABLE IN STORM WATER:

THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION SHALL CONTACT A QUALIFIED WATER QUALITY TESTING COMPANY AND ESTABLISH AN EMERGENCY TESTING PROCEDURE.

IF A SITE BMP HAS FAILED OR BEEN BREACHED IN ANY WAY THE CONTRACTOR SHALL DO THE FOLLOWING:

- REPAIR THE FAILED/BREACHED BMP IMMEDIATELY AND DETERMINE IF ADDITIONAL BMP'S ARE NECESSARY.
- CLEAN UP THE POLLUTANT AND DETERMINE IF THE POLLUTANT HAS REACHED THE STORM WATER SYSTEM. IF IT HAS REACHED THE STORM SYSTEM THE CONTRACTOR SHALL DO THE FOLLOWING:
 - CONTACT THE GENERAL CONTRACTOR'S WATER QUALITY TESTING AGENCY TO COME AND COLLECT THE APPROPRIATE STORM WATER SAMPLES.
 - THE SAMPLES SHALL BE COLLECTED DURING THE FIRST 2 HOURS OF THE SUCCEEDING STORM OR DURING THE EVENT THE FAILURE OCCURRED. THE SAMPLES SHALL BE COLLECTED FROM THE STORM DRAIN THAT IS MOST LIKELY TO RECEIVE THE POLLUTANTS.
 - THE SAMPLES SHALL BE COLLECTED USING FIELD ANALYSIS OR THROUGH LABORATORY ANALYSIS.
 - THE WATER QUALITY TESTING COMPANY SHALL DETERMINE THE SAMPLE SIZE, NUMBER OF SAMPLES, AND COLLECTION TECHNIQUE THAT IS APPROPRIATE FOR THE POLLUTANT THAT HAS POTENTIALLY REACHED THE STORM SYSTEM BASED ON THE PROCEDURES SET FORTH IN 40 CFR PART 136. THE FOLLOWING ARE EXAMPLES OF SOME BUT NOT ALL POLLUTANTS THAT ARE TYPICALLY FOUND IN INFRASTRUCTURE CONSTRUCTION MATERIALS THAT COULD REACH THE STORM SYSTEM: CONCRETE WASH WATER, CONCRETE SAWCUTTING WASTE, BITUMINOUS MATERIAL FROM PAVING OPERATIONS, AND POSSIBLE EQUIPMENT OIL LEAKS.
 - A SUFFICIENTLY LARGE SAMPLE OF STORM WATER THAT HAS NOT COME IN CONTACT WITH THE DISTURBED SOIL OR THE MATERIALS STORED OR USED ON-SITE (UNCONTAMINATED SAMPLE) SHALL BE COLLECTED FOR COMPARISON WITH THE DISCHARGE SAMPLE. THE UNCONTAMINATED SAMPLE SHALL BE COMPARED TO THE SAMPLES OF DISCHARGE USING FIELD ANALYSIS OR THROUGH LABORATORY ANALYSIS. ANALYSES MAY INCLUDE, BUT ARE NOT LIMITED TO, INDICATOR PARAMETERS SUCH AS: PH, SPECIFIC CONDUCTANCE, DISSOLVED OXYGEN, CONDUCTIVITY, SALINITY, AND TDS.
 - FOR LABORATORY ANALYSIS, ALL SAMPLING, SAMPLE PRESERVATION, AND ANALYSES MUST BE CONDUCTED ACCORDING TO TEST PROCEDURES UNDER 40 CFR PART 136.
 - DURING THE COLLECTION, TESTING, AND REPORTING PHASES OF THE EVENT PROPER CHAIN OF CUSTODY (COC) FORMS SHALL BE USED AND THIS INFORMATION SHALL BE KEPT IN THE SWPPP ON-SITE AT ALL TIMES.
 - THE SAMPLES SHALL BE TESTED FOR CONSTITUENTS THAT ARE LIKELY TO BE FOUND IN THE POLLUTANT THAT MAY HAVE REACHED THE STORM SYSTEM. THE CONSTITUENTS THAT ARE TO BE OF CONCERN ARE THOSE THAT ARE LIKELY TO IMPACT THE TERMINAL WATER BODY. THIS INFORMATION CAN BE FOUND ON THE IMPACTED WATERWAY CHARTS PUBLISHED BY THE REGIONAL WATER QUALITY CONTROL BOARD.
 - LEVELS THAT EXCEED STATE HEALTH MAXIMUMS, OR IF IMPACTED CONSTITUENTS ARE PRESENT IN THE SAMPLE, CONTACT CITY OF STOCKTON MUNICIPAL UTILITIES, STORM WATER DIVISION.

GENERAL SAMPLING NOTES:

CONSTRUCTION MATERIALS AND COMPOUNDS THAT ARE NOT STORED IN WATER-TIGHT CONTAINERS UNDER A WATER-TIGHT ROOF OR INSIDE A BUILDING ARE EXAMPLES OF MATERIALS FOR WHICH THE DISCHARGER MAY HAVE TO IMPLEMENT SAMPLING AND ANALYSIS PROCEDURES IF ACCIDENTALLY DISCHARGED. THE GOAL OF THE SAMPLING AND ANALYSIS IS TO DETERMINE WHETHER THE BMP'S EMPLOYED AND MAINTAINED ON-SITE ARE EFFECTIVE IN PREVENTING THE POTENTIAL POLLUTANTS FROM COMING IN CONTACT WITH STORM WATER AND CAUSING OR CONTRIBUTING TO AN EXCEEDANCE OF WATER QUALITY OBJECTIVES IN THE RECEIVING WATERS. VISUAL OBSERVATIONS BEFORE, DURING, AND AFTER STORM EVENTS MAY TRIGGER THE REQUIREMENT TO COLLECT SAMPLES. ANY BREACH, MALFUNCTION, LEAKAGE, OR SPILL OBSERVED WHICH COULD RESULT IN THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS THAT WOULD NOT BE VISUALLY DETECTABLE IN STORM WATER SHALL TRIGGER THE COLLECTION OF A SAMPLE OF DISCHARGE. SAMPLES SHALL BE COLLECTED AT ALL DISCHARGE LOCATIONS WHICH DRAIN THE AREAS IDENTIFIED BY THE VISUAL OBSERVATIONS AND WHICH CAN BE SAFELY ACCESSED. FOR SITES WHERE SAMPLING AND ANALYSIS IS REQUIRED, PERSONNEL TRAINED IN WATER QUALITY SAMPLING PROCEDURES SHALL COLLECT STORM WATER SAMPLES.

EROSION CONTROL GENERAL NOTES

THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY. THE CONTRACTOR SHALL FOLLOW THESE PLANS UNLESS FIELD CONDITIONS DICTATE MODIFICATION. IF MODIFICATION IS NECESSARY, A SWPPP AMENDMENT MUST BE DONE. THIS MAY REQUIRE MODIFICATION TO THESE DRAWINGS AND ENGINEER CONCURRENCE.

SANDBAGS SHALL BE WOVEN GEOTEXTILE FABRIC. CONSTRUCT ON GENTLY SLOPING STREETS WHERE WATER CAN POOL AND ALLOW SEDIMENT TO SEPARATE OUT OF SUSPENSION. LEAVE A GAP OF ONE BAG IN THE MIDDLE OF THE TOP ROW OF BAGS TO SERVE AS THE SPILLWAY. SPILLWAY HEIGHT SHALL BE LOWER THAN CURB HEIGHT & SUFFICIENT IN SIZE TO PASS FLOWS FROM SEVERE STORM EVENTS. FILL BAG WITH 3/4\" DRINK ROOK OR 1/4\" PEA GRAVEL. STACK TWO LAYERS OF SANDBAGS, OVER-LAPPING BAGS AND PACK THEM TIGHTLY TOGETHER TO MINIMIZE THE SPACE BETWEEN BAGS.

INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM PAVEMENT OF ROAD.

ALTERNATE INLET PROTECTION SHALL BE USED ON ROADS OPEN TO THE PUBLIC IF ANY HAZARDOUS MATERIALS OR WASTES WHICH HAVE BEEN TREATED, STORED, DISPOSED, SPILLED, OR LEAKED IN SIGNIFICANT QUANTITIES ONTO THE CONSTRUCTION SITE, THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THEM FROM THE SITE AND DISPOSE OF PROPERLY.

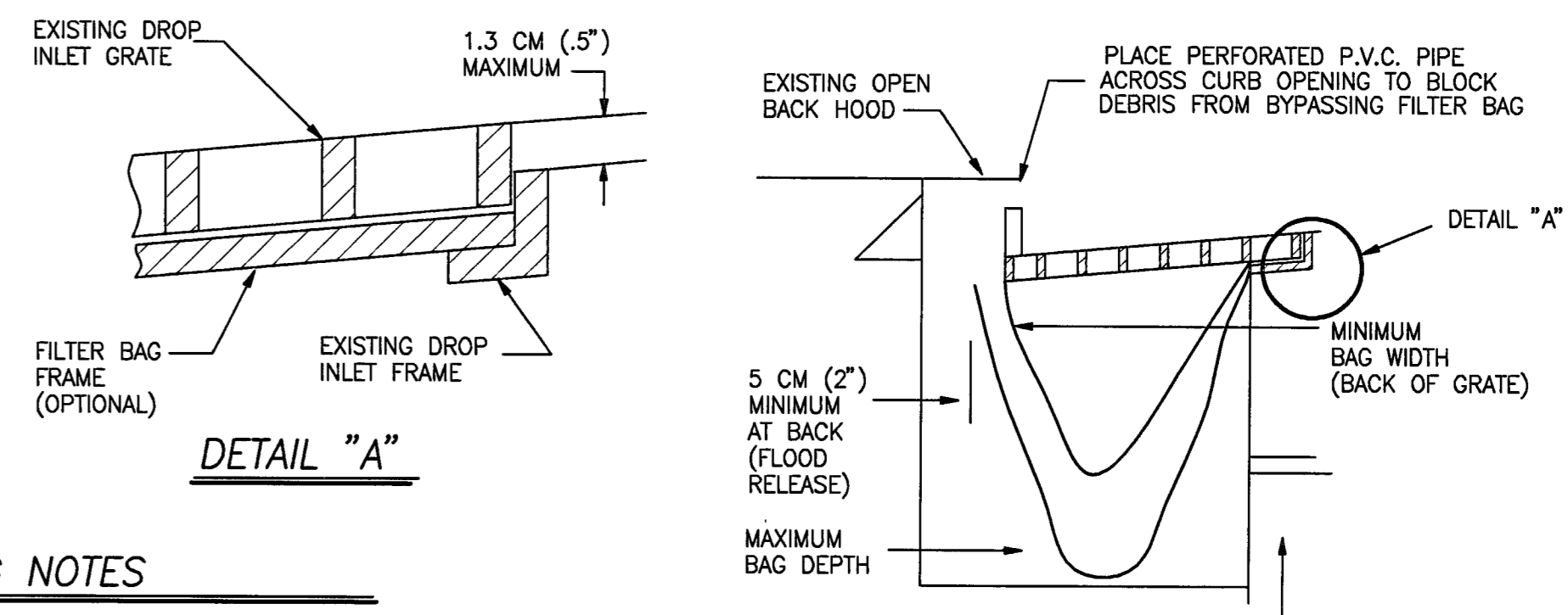
POTENTIAL NON-STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE INCLUDE RUNOFF FROM VEHICLE/MACHINERY WASHING, CONCRETE TRUCK WASH WATER, SAW-CUT SLURRY, HIGHLY CHLORINATED PIPE FLUSHING WATER, AND OTHER PROCESS WATER DISCHARGES MAY BE DISPOSED THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL OF THE CITY OF STOCKTON MUNICIPAL UTILITY DEPARTMENT.

CHLORINATED OR DECHLORINATED WATER SHALL NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM. THE CONTRACTOR MAY DISPOSE THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL OF THE CITY OF STOCKTON MUNICIPAL UTILITY DEPARTMENT.

THE CONTRACTOR SHALL IMPLEMENT THE BEST AVAILABLE TECHNOLOGY ECONOMICALLY FEASIBLE AND THE BEST CONVENTIONAL POLLUTANT CONTROL TECHNOLOGY TO REDUCE OR ELIMINATE STORM WATER POLLUTION.

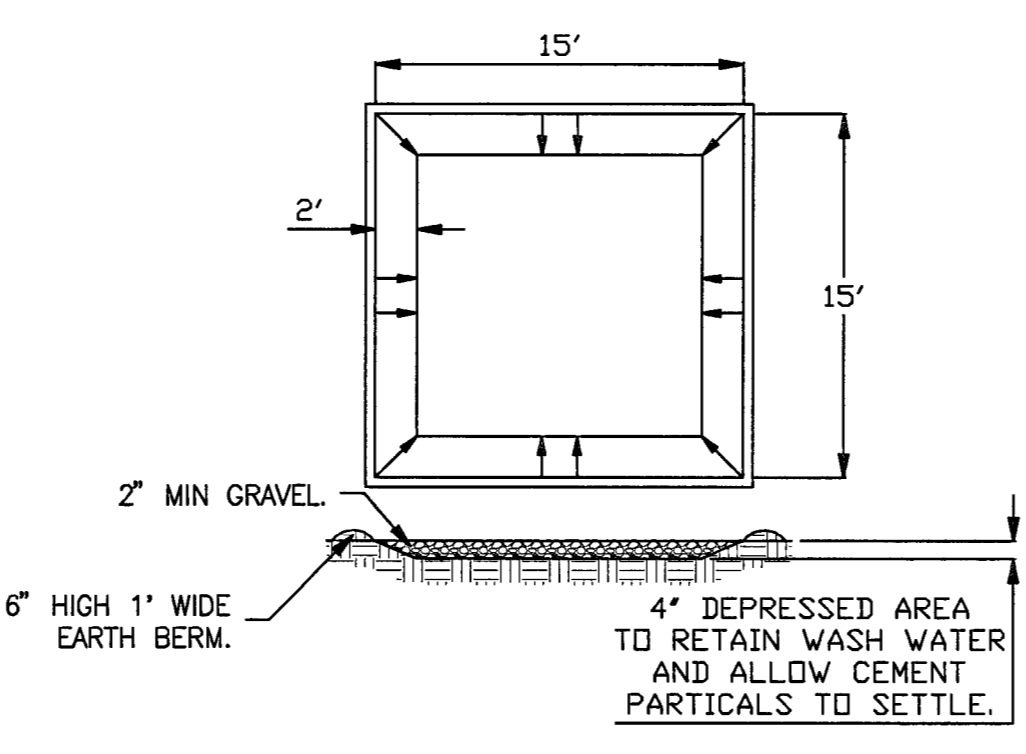
THE CONTRACTOR SHALL KEEP MAINTENANCE, INSPECTION, AND REPAIR PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, WALLS, BERMS, DRAINAGE STRUCTURES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER CONTROLS ARE MAINTAINED IN GOOD AND EFFECTIVE CONDITION AND ARE PROMPTLY REPAIRED OR RESTORED WHEN NECESSARY. ANY DEWATERING WATER SHALL NOT BE DISCHARGED DIRECTLY INTO THE STORM WATER SYSTEM, AND SHALL NOT BE DISCHARGED INTO THE SEWER SYSTEM.

ALL DEWATERING WATER MUST BE CHANNELLED THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.

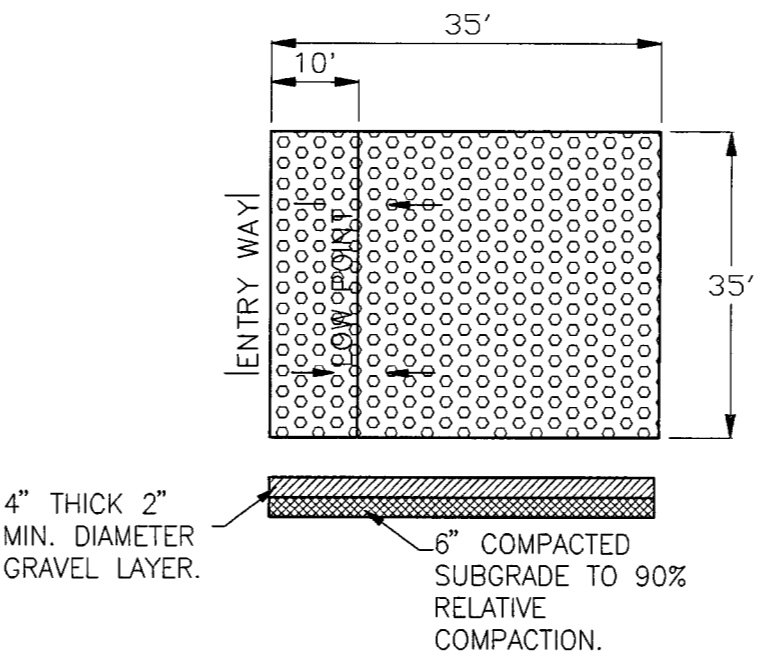


DETAIL A: CATCH BASIN SEDIMENT PROTECTION

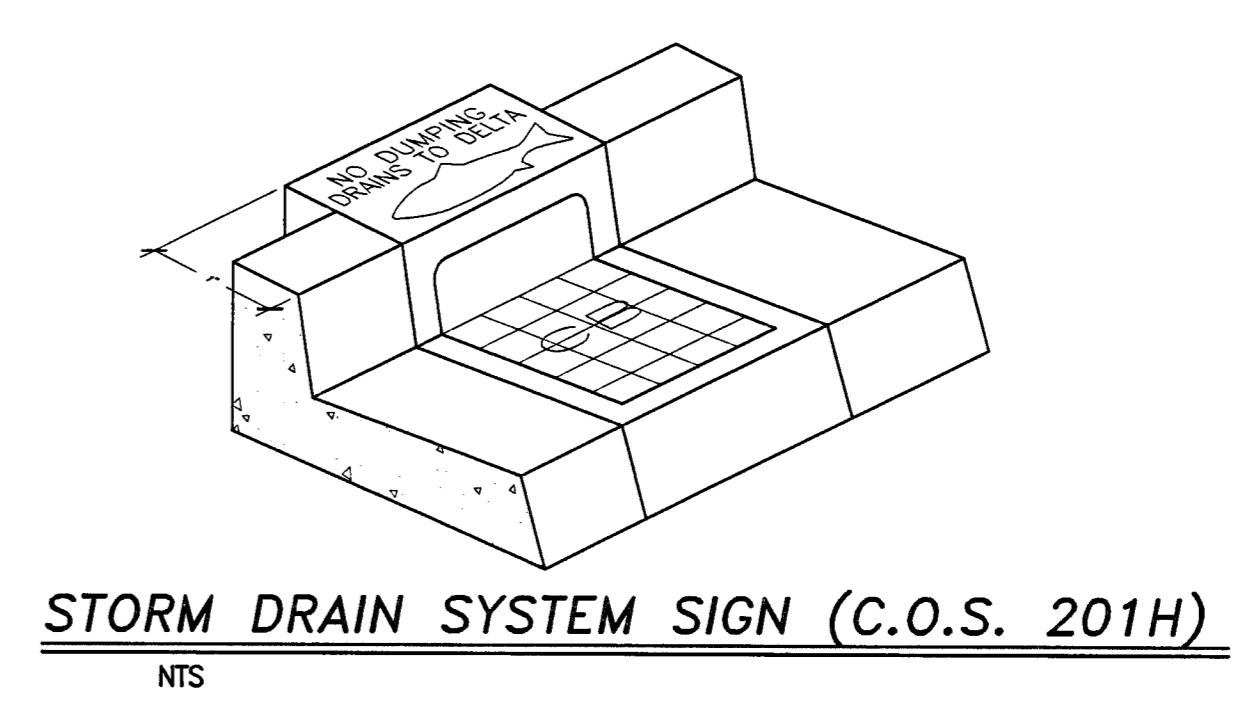
- FILTER BAG NOTES**
- THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN .08 HECTARES (2 ACRES).
 - THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS PER LINEAL FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/SQ. FT.
 - THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY EXISTING INLET GRATE (OR OTHER APPROVED METHOD), PROVIDING NO MODIFICATION OR DRAINAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 1.3 CM (.5) ABOVE THE INLET FRAME (SEE DETAIL A).
 - THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
 - FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET EXCEPT AS SHOWN FOR FLOOD RELEASE.
 - INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.



CONCRETE WASHOUT AREA



GRAVEL CONSTRUCTION ENTRANCE



STORM DRAIN SYSTEM SIGN (C.O.S. 201H)

EROSION CONTROL PLAN FOR INFRASTRUCTURE ONLY

SUPPLEMENTAL NOTES

- 1. ALL DIMENSIONS SHOWN ARE TO THE CENTER LINE OF COLUMNS AND BEAMS, FACE OF CONCRETE BLOCK WALLS, EDGE OF SLAB AND FACE OF STUDS UNLESS OTHERWISE NOTED.
2. FLOOR ELEVATIONS INDICATED ARE TO THE TOP OF THE NOMINAL STRUCTURAL SLAB OR GRADE SLAB UNLESS NOTED.
3. THE VERTICAL DIMENSION FROM THE FINISH FLOOR TO THE UNDERSIDE OF ANY STRUCTURAL ELEMENT, PIPING, ELECTRICAL FIXTURE ETC. SHALL BE 7'-0" MINIMUM IN PARKING STALL AREAS...

FIRE PROTECTION NOTES

- 1. FIRE PROTECTION SYSTEM MODIFICATIONS TO BE APPROVED BY FIRE PREVENTION DIVISION PRIOR TO INSTALLATION.
2. ALL REQUIRED PERMITS MUST BE OBTAINED FROM THE FIRE PREVENTION BUREAU BEFORE THE BUILDING IS OCCUPIED.
3. FIRE DEPARTMENT CONNECTION LOCATIONS SHALL BE INSTALLED IN AN AREA APPROVED BY THE FIRE DEPARTMENT.
4. A FIRE ALARM (VISUAL AND AUDIBLE) SYSTEM IS REQUIRED WHEN THERE ARE MORE THAN 100 SPRINKLER HEADS...

FIRE RESISTIVE REQUIREMENTS

BASED ON TYPE I-F-R CONSTRUCTION

Table with 4 columns: Item, Description, Table Reference, and Requirement. Includes categories A. STRUCTURAL FRAME, B. FLOOR ASSEMBLIES, C. ROOF ASSEMBLIES, D. EXTERIOR WALLS, E. INTERIOR WALLS, F. SHAFTS, G. EXIT ENCLOSURES.

SPECIFIC NOTES

- 1. CODE REQUIREMENTS: This Parking Structure project shall comply with The California Administrative Code (CAC) Title 24, the State of California Building Code, 2001 edition.
2. A GRADING PERMIT for this project will be required.
3. A CONDITIONAL USE PERMIT for this project will not be required.

Table with 2 columns: Category and Details. Includes sections for OWNER (CITY OF STOCKTON), GENERAL CONTRACTOR (F&H CONSTRUCTION), ARCHITECT (HNA/PACIFIC), DESIGN ARCHITECTS (WENELL MATTEIS BOWE), STRUCTURAL ENGINEER (JESSEN-WRIGHT STRUCTURAL ENGINEERS), CIVIL ENGINEER (SIEGFRIED ENGINEERING, INC.), MECHANICAL DESIGN-BUILDER (COMFORT AIR), PLUMBING DESIGN BUILDER (HRM PLUMBING), ELECTRICAL ENGINEER (COLLINS ELECTRICAL).

DEFERRED SUBMITTALS

DEFERRED SUBMITTALS:

The following items shall be provided to the project as "deferred submittals". FIRE PROTECTION SYSTEMS, INCLUDING COMMUNICATION DEVICES STEEL STAIRS. The deferred submittals shall first be submitted to the project architect and/or engineer for review and coordination...

PROJECT DATA

PROJECT DESCRIPTION

The Project is a six level (grade level, and five elevated levels) OPEN PARKING STRUCTURE.

PROJECT ADDRESS

XXXX CHANNEL STREET - STOCKTON, CALIFORNIA

OCCUPANCY GROUPS

Occupancy Groups per the California Building Code are:

- "S-4" - OPEN PARKING STRUCTURE, as defined in Section 311.9.
"B" - OFFICE, SERVICE AND DINING AND DRINKING ESTABLISHMENTS, as defined in Section 304.1.
"M" - DISPLAY AND SALE OF MERCHANDISE, as defined in Section 309.1.

PER AN APPROVED CITY OF STOCKTON REQUEST FOR AN ALTERNATE DESIGN APPROACH THE PARKING STRUCTURE IS ALLOWED TO BE AN S-4 OCCUPANCY FOR THE PARKING LEVELS AND ALLOWED LIMITED MIXED USE OF B OR M OCCUPANCIES ON THE GROUND (P-1) LEVEL. REFERENCE LETTER OF JUNE 22, 2004 FROM CITY OF STOCKTON ACCEPTING THE "REQUEST FOR AN ALTERNATE DESIGN APPROACH" AND THE "REQUEST FOR AN ALTERNATE DESIGN APPROACH" DATED JUNE 23, 2004 - BY SCHIRMER ENGINEERING CORPORATION.

TYPE OF CONSTRUCTION

Type of construction for the project is TYPE I - F-R. Based on area and height allowances per Table 3-H the S-4 area of the structure shall be unlimited.

AREA OF STRUCTURE

The total area of the structure is approximately 224,489 square feet.

- Level P-1 = 43,992 square feet parking area (approximate) (includes ramp to P-2)
Level P-2 = 38,350 square feet parking area (approximate) (includes ramp to P-3)
Level P-3 = 38,467 square feet parking area (approximate) (includes ramp to P-4)
Level P-4 = 38,467 square feet parking area (approximate) (includes ramp to P-5)
Level P-5 = 38,350 square feet parking area (approximate) (includes ramp to P-6)
Level P-6 = 26,863 square feet parking area (approximate)

DESIGN LOADS

- 50 PSF reducible LIVE LOAD parking areas.
100 PSF non-reducible LIVE LOAD in stairs, and commercial spaces

STRUCTURAL SYSTEM

The Structural system is to consist of a fire resistive concrete frame.

Floor framing shall be a pre-cast prestressed beams and/or girders with cast-in-place post-tensioned concrete slabs.

Vertical loads shall be carried by precast concrete columns. Seismic loads shall be resisted by precast concrete shear walls and concrete moment frames.

FOUNDATION SYSTEM

The structure will be generally supported on drilled cast-in-place concrete cossions and cast-in-place pile caps and grade beams.

EXITING

- OCCUPANT LOAD: 200 square feet per occupant
AREA PER TYPICAL LEVEL: 38,467 gross square feet (LEVEL P-3)
OCCUPANTS PER TYPICAL LEVEL: 38,467 / 200 = 192.00
NUMBER OF EXITS REQUIRED: TWO exits required
NUMBER OF EXITS PROVIDED: TWO exits provided
DISTANCE TO EXITS: Maximum distance to an exit not to exceed 200' measured to an open stair.

EXIT REQUIREMENTS:

Width = 192.00 X 0.3 = 58 inches
Minimum width = 58 inches = 29" (2'-5")

REQUIRED EXIT WIDTHS: 2'-5" is LESS than the minimum required width of 3'-8" for stairs. Therefore 3'-8" is the required minimum width. (Width of stairs provided, 4'-6" & 4'-6")

WIDTH OF EXITS PROVIDED: 9'-0" actual width provided - is greater than the required total width of 7'-4", therefore o.k.

FIRE PROTECTION SYSTEMS

SPRINKLER REQUIREMENTS: The M and B occupancies shall be provided with a complete automatic fire sprinkler system installed in accordance with the recommendations of N.F.P.A. 13 and the requirements of the City of Stockton Fire Department.

STANDPIPE REQUIREMENTS: CLASS I STANDPIPES - located at each required stair and shall be located so that all portions of the floor are within 30 feet of a nozzle attached to 100 feet of hose. Standpipes shall be interconnected at the bottom.

AUDIBLE AND VISUAL SIGNALING DEVICES: Audible and Visual Signaling Devices ARE required when there are more than 100 sprinkler heads.

FIRE EXTINGUISHER REQUIREMENTS: Permanent type 2A-10BC fire extinguishers in cabinets shall be provided at all levels and shall be located at stairs and other logical locations for ease of finding. They shall be located within 75 feet travel distance for each 3,000 square feet or portion thereof on each floor. Extinguishers shall be mounted at 48" maximum above finish floor.

VENTILATION SYSTEMS

MECHANICAL VENTILATION: The parking levels will not require mechanical ventilation as they will meet the openness requirements of C.B.C. Sec. 311.9.2.2 natural ventilation for parking structures.

DRAWING INDEX

COVER SHEET

T-1 SHEET INDEX, PROJECT DATA, PROJECT NOTES and GENERAL NOTES

CIVIL DRAWINGS

- C-1 GRADING PLAN
C-2 EROSION CONTROL PLAN

ARCHITECTURAL DRAWINGS

- A-0.1 EXITING PLANS AND CALCULATIONS
A-0.2 CAR AND AREA SUMMARY
A-0.3 CAR COUNT MODELS
A-0.4 FLOW DIAGRAMS
A-0.5 SYMBOL KEY, MATERIALS KEY, ABBREVIATIONS
A-0.6 DISABLED ACCESS NOTES
A-0.7 ALTERNATE DESIGN APPROACH AND APPROVALS
A-1.1 SITE PLAN
A-2.1 LEVEL P-1 STRIPING PLAN
A-2.2 LEVEL P-2 STRIPING PLAN
A-2.3 LEVEL P-3 STRIPING PLAN
A-2.4 LEVEL P-4 STRIPING PLAN
A-2.5 LEVEL P-5 STRIPING PLAN
A-2.6 LEVEL P-6 STRIPING PLAN
A-3.1 LEVEL P-1 FLOOR PLAN
A-3.2 LEVEL P-2 FLOOR PLAN
A-3.3 LEVEL P-3 FLOOR PLAN
A-3.4 LEVEL P-4 FLOOR PLAN
A-3.5 LEVEL P-5 FLOOR PLAN
A-3.6 LEVEL P-6 FLOOR PLAN
A-4.1 BUILDING ELEVATIONS
A-4.2 BUILDING ELEVATIONS
A-4.3 ENLARGED BUILDING ELEVATIONS
A-4.4 ENLARGED BUILDING ELEVATIONS
A-4.5 ENLARGED BUILDING ELEVATIONS
A-4.6 ENLARGED BUILDING ELEVATIONS
A-4.7 ENLARGED BUILDING ELEVATIONS
A-5.1 LONGITUDINAL BUILDING SECTIONS
A-5.2 LONGITUDINAL BUILDING SECTIONS
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CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

STOCKTON, CALIFORNIA

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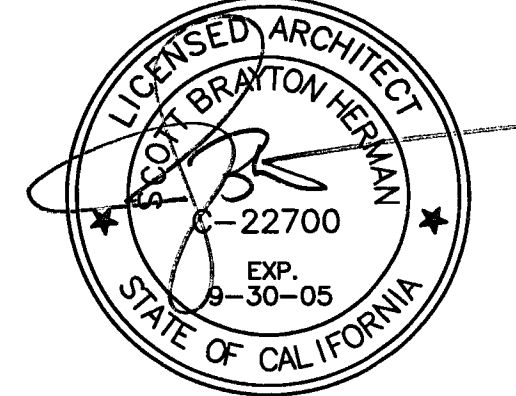
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REVISIONS:

Table with 2 columns: Date and Description. Includes 11/29/04 PLANCHHECK SET and 3/11/05 PERMIT SET.



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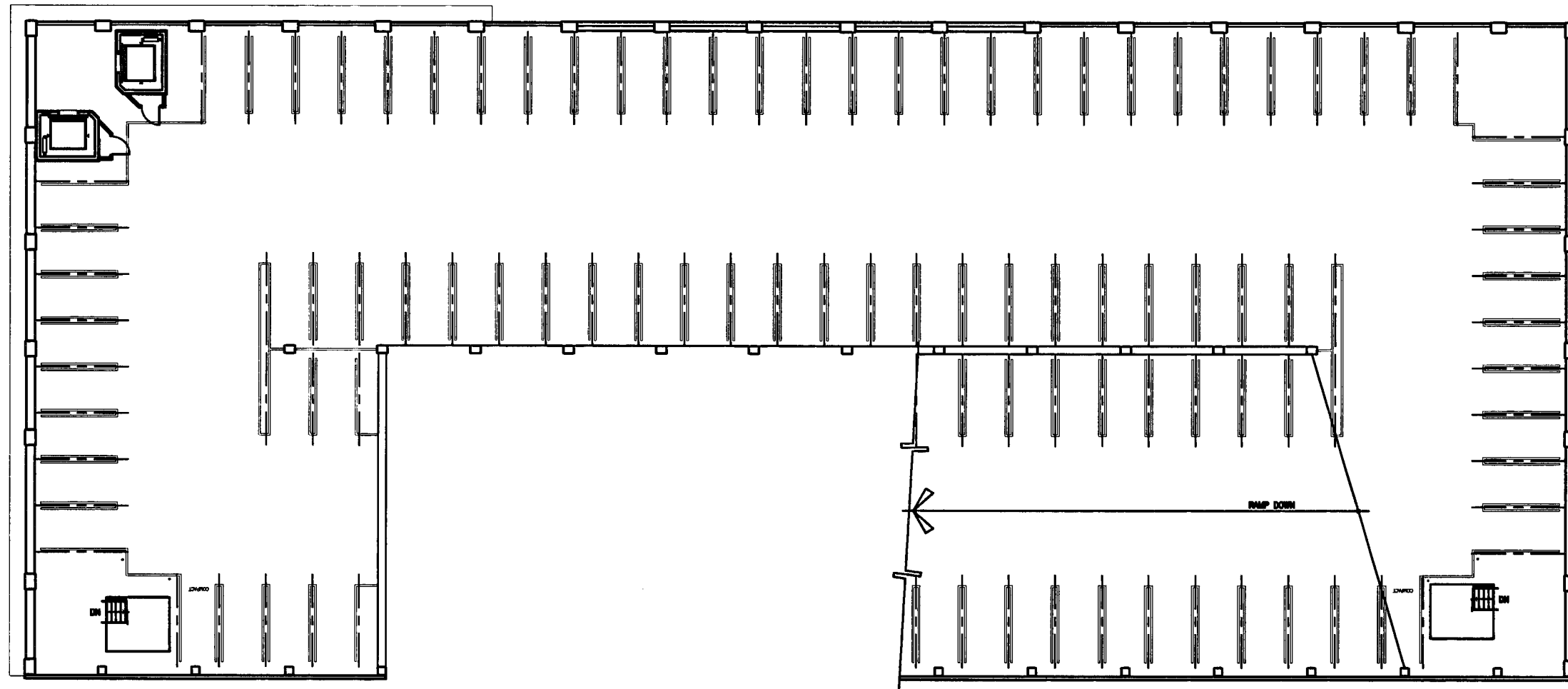
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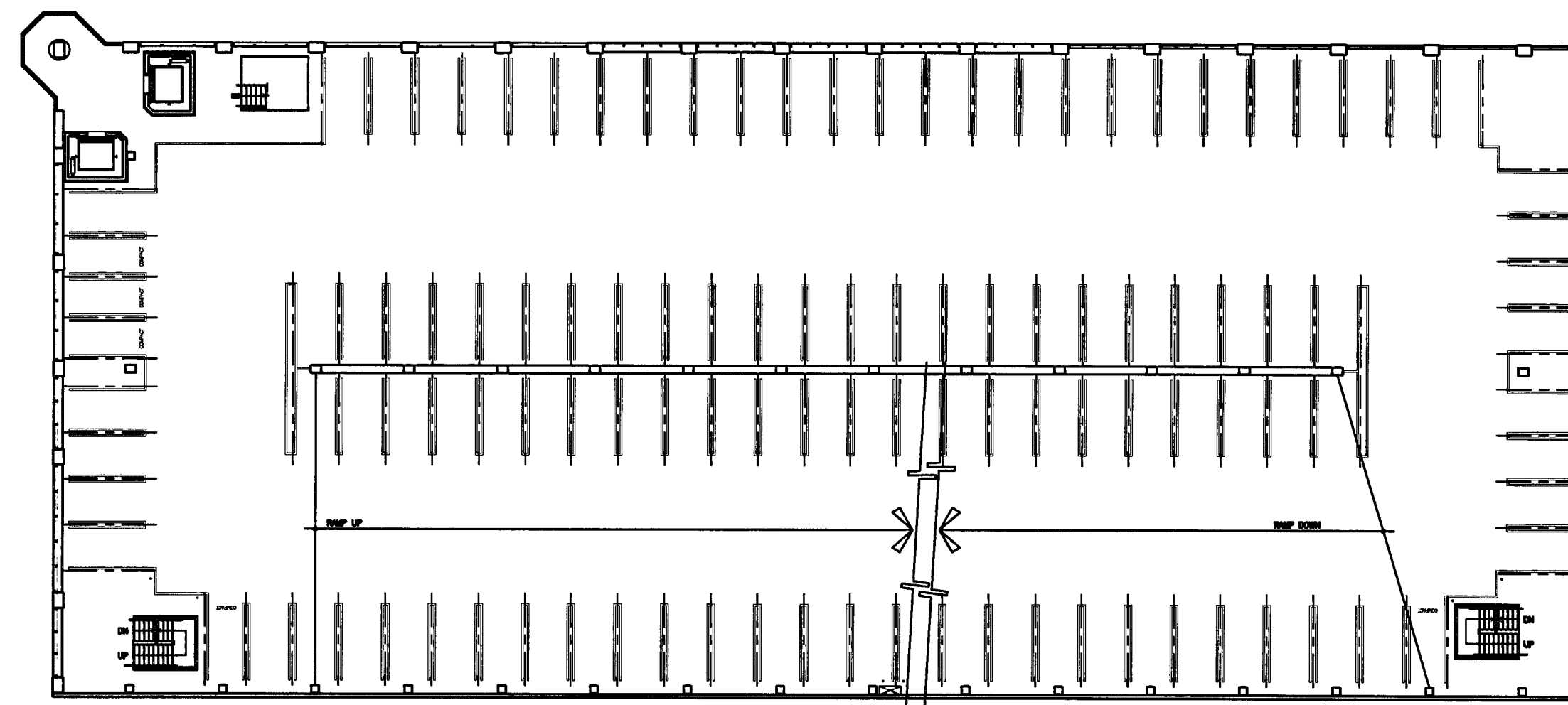
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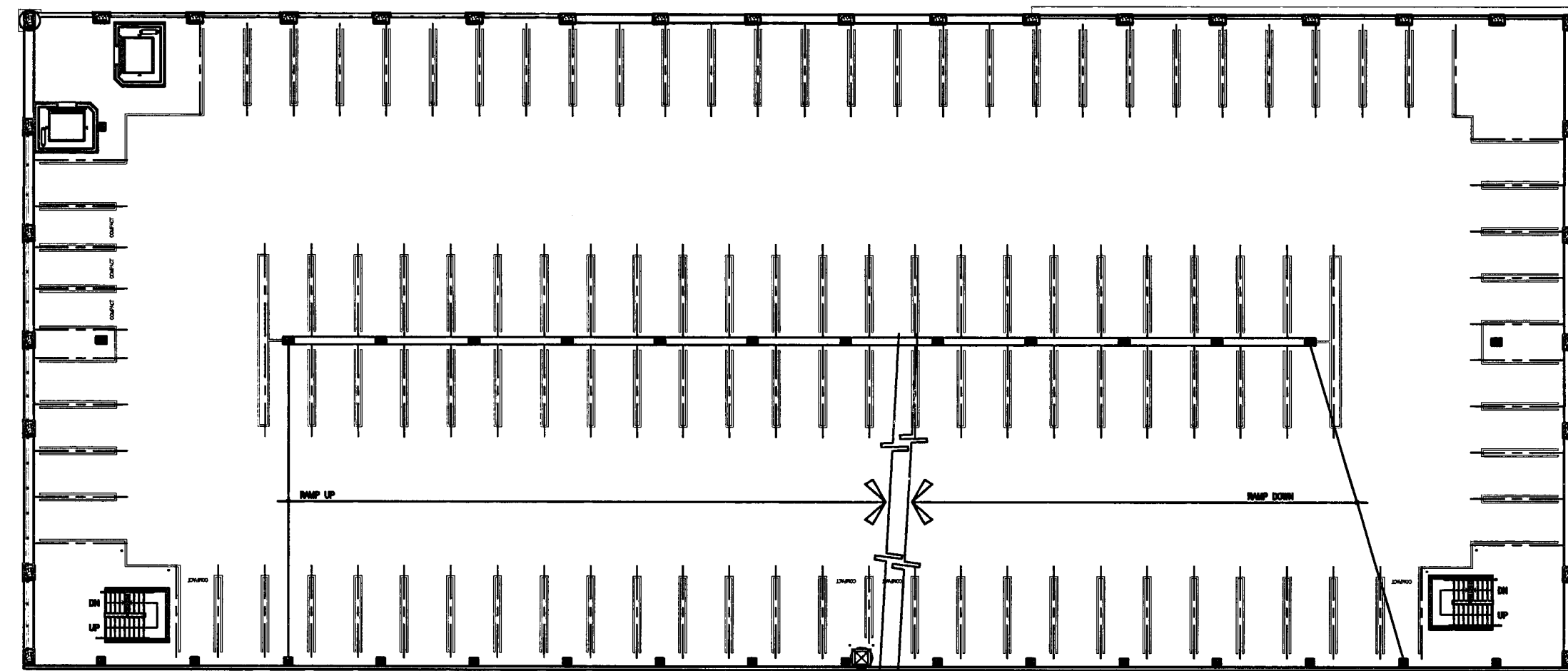
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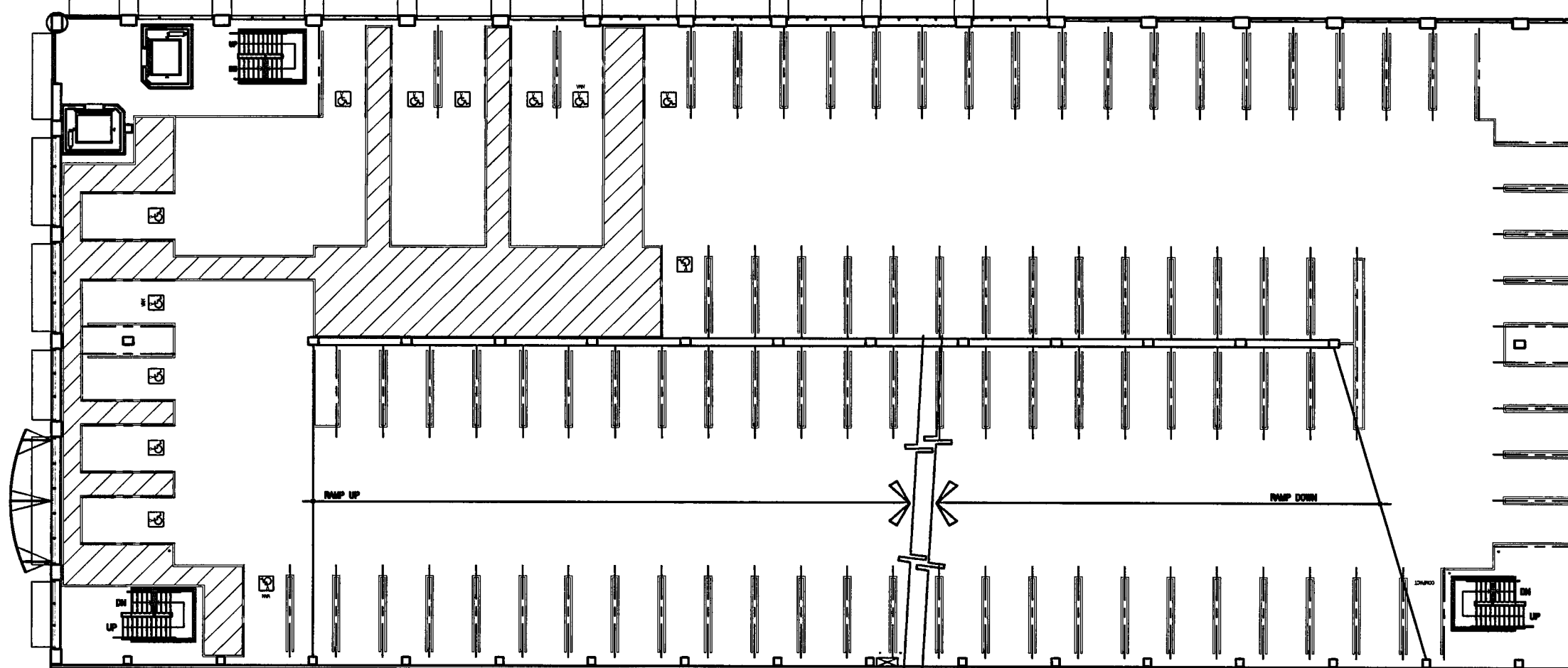
LEVEL P-6 FLOOR PLAN



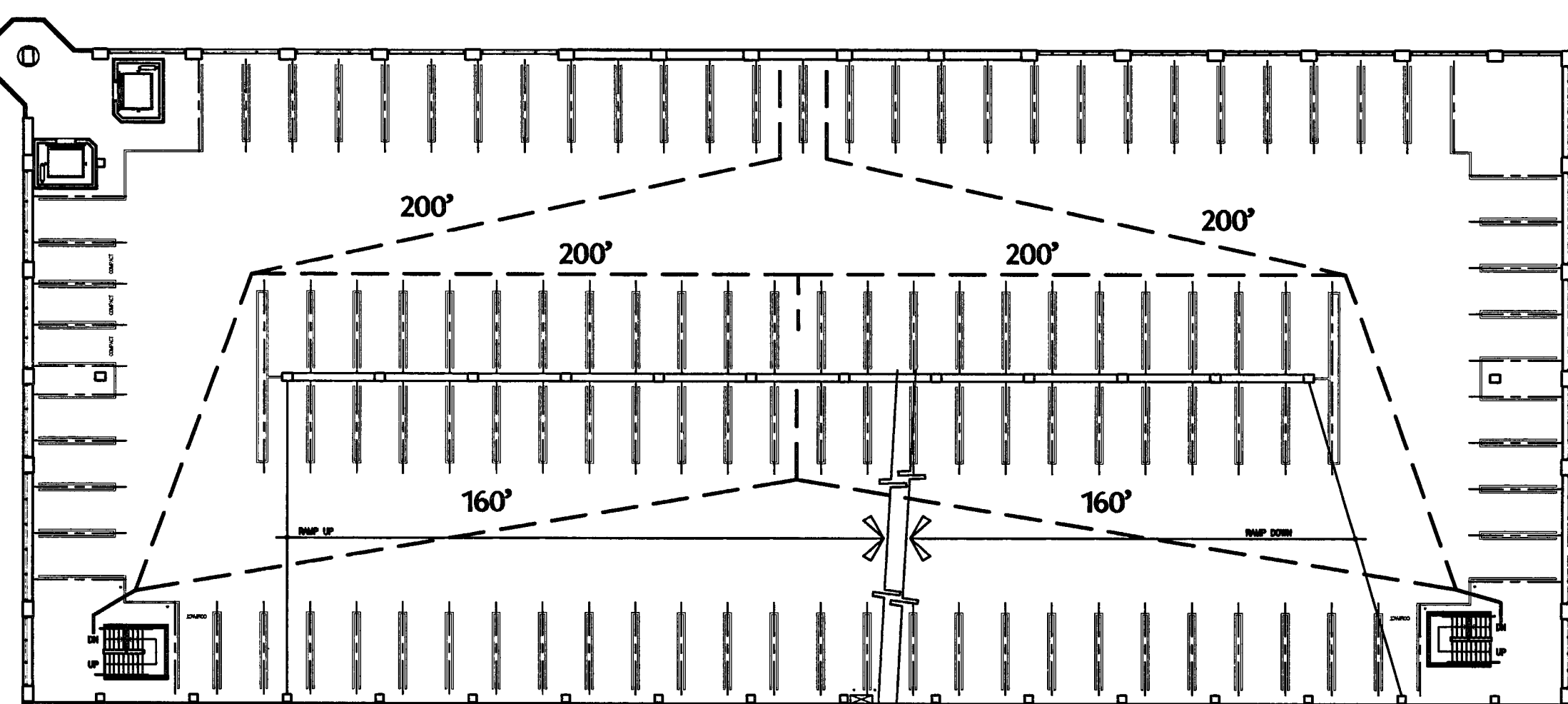
LEVEL P-3 FLOOR PLAN



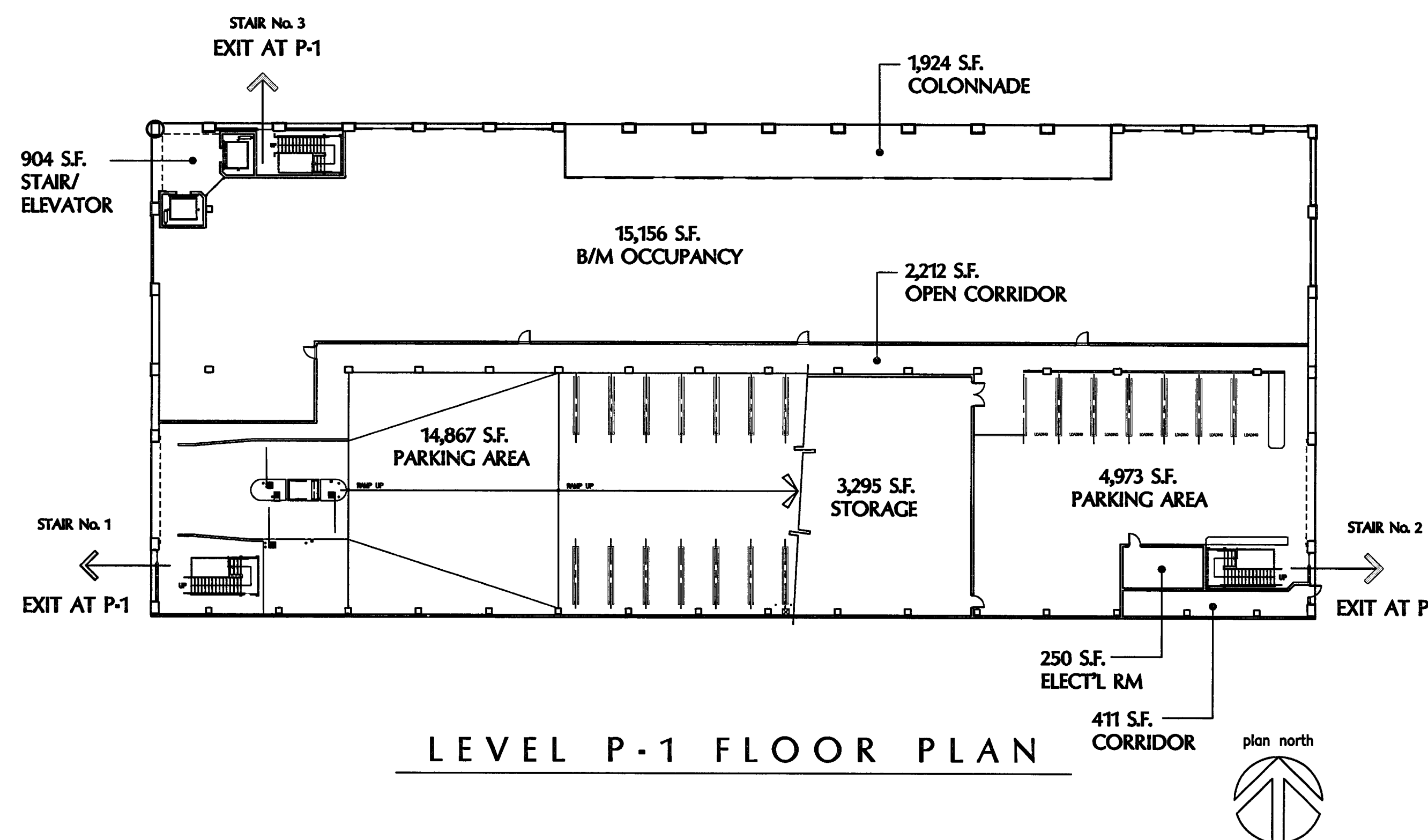
LEVEL P-5 FLOOR PLAN



LEVEL P-2 FLOOR PLAN



LEVEL P-4 FLOOR PLAN



LEVEL P-1 FLOOR PLAN

NATURAL VENTILATION SUMMARY

CALCULATIONS FOR OPENINGS TO PROVIDE NATURAL VENTILATION

C.B.C. Sec. 311.9.2.2

For natural ventilation purposes, the exterior side of structure shall have uniformly distributed openings on two or more sides. The area of such openings in exterior walls on a tier must be at least 20 percent of the total perimeter wall area of each tier. The aggregate length of openings considered to be providing natural ventilation shall constitute a minimum of 40 percent of the perimeter of the tier.

TOTAL BUILDING PERIMETER = 854.00 L.F.
 TYPICAL TIER HEIGHT = 10'-2" (at Level P-5)
 TOTAL PERIMETER WALL AREA (at Level P-5) = (854.00' x 10.17') = 8,682.33 sq.ft.
 TOTAL REQUIRED OPENINGS (20%) or (8,682.33 x .20) = 1,736.47 sq.ft.
 REQUIRED PERIMETER LENGTH (40%) or 854.00 L.F. x .40) = 341.60 L.F.

OPENINGS PROVIDED TYPICAL LEVEL (calculated at Level P-5)

EAST ELEVATION - 636.00 sq.ft. (distributed over 106.00 L.F.)
 WEST ELEVATION - 598.00 sq.ft. (distributed over 99.67 L.F.)
 NORTH ELEVATION - 1,432.00 sq.ft. (distributed over 238.67 L.F.)
 SOUTH ELEVATION - 00.00 sq.ft. (no openings provided)
 TOTAL OPENINGS PROVIDED - 2,666.00 sq.ft. [30.70% OF 8,682.33 sq.ft.]
 TOTAL DISTRIBUTED LENGTH - 444.33 L.F. [52.03% OF 854.00 L.F.]

LEVEL P-1

Level P-1 Parking Areas do not qualify for natural ventilation and therefore require a supplemental mechanical exhaust system. See mechanical drawings for required mechanical exhaust fans. Makeup air is provided at openings on east and west side through the vehicular security grilles.

MAXIMUM ALLOWABLE TRAVEL DISTANCE TO EXIT
(SEE LEVEL P-4 FOR DIAGRAM)

BASE ALLOWABLE 200' ALLOWED PER CBC 1004.2.5.2.4
 INCREASE FOR SPRINKLERS 250' ALLOWED PER CBC 1004.2.5.2.4
 INCREASE IN CORRIDOR NOT APPLICABLE

ALLOWABLE AREA BASED ON TYPE I-F.R. CONSTRUCTION
(CBC TABLE 3-H)

OCCUPANCY CLASSIFICATION	BASE ALLOWABLE AREA	AUTOMATIC SPRINKLER INCREASE (CBC 506.3)	ALLOWABLE HEIGHT (STORIES)	TOTAL ALLOWABLE AREA
B/M	UNLIMITED	NOT APPLICABLE	UNLIMITED	UNLIMITED
S-4	UNLIMITED	NOT APPLICABLE	UNLIMITED	UNLIMITED

FLOOR	FLOOR AREA	OCCUPANT LOAD	REQUIRED NUMBER OF EXITS
B/M OCCUPANCY LEVEL P-1	15,156 SF	BASED ON USE XXX S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
NON-PARKING LEVEL P-1	8,996 SF	45 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-1	19,840 SF	101 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-2	38,350 SF	192 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-3	38,467 SF	192 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-4	38,467 SF	192 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-5	38,350 SF	192 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
PARKING LEVEL P-6	26,863 SF	134 OCCUPANTS 200 S.F./OCCUPANT	2 EXITS (MORE THAN 30 BUT LESS THAN 500)
TOTAL AREA	224,489 SF		2 EXITS PROVIDED

REQUIRED EXIT WIDTHS (CBC 1003.2)

MINIMUM STAIR WIDTH = 44" (CBC 1003.2.3.2)
 192 x .3 = 58 INCHES / TWO PROVIDED EXITS = 29" < 44"
 MINIMUM DOOR CLEAR EXIT WAY WIDTH = 32" (CBC 1003.3.1.3)
 192 x .2 = 39 INCHES / TWO PROVIDED EXITS = 19.5" < 32"
 MINIMUM CORRIDOR WIDTH = 44" (CBC 1004.3.4)

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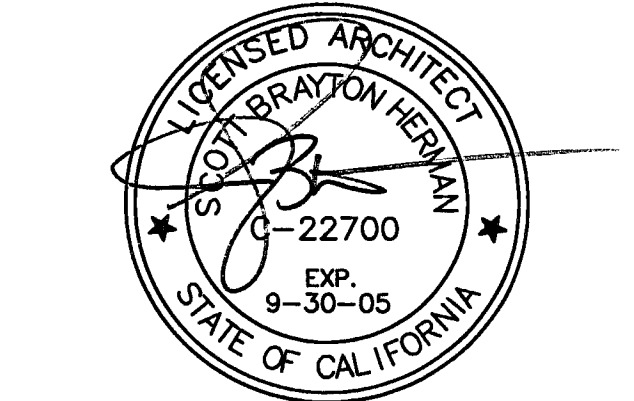
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SHEET TITLE
 EXITING PLANS & VENTILATION CALCULATIONS

DATE 28. NOV. 2004 SCALE NO SCALE
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 DRAWING NO. 2319A-0-1 SHEET
 PROGRAM NO. R.NO.

DRAWING NO:
 A-01
 PROJECT NO:
 HNA 2319

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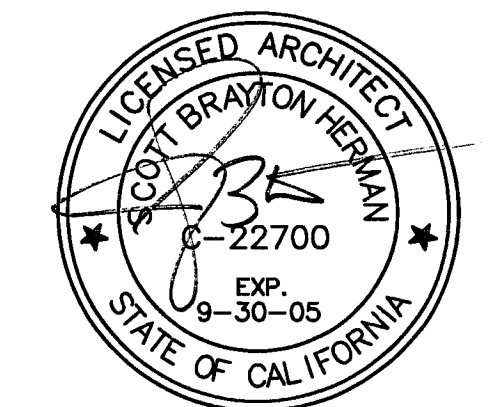
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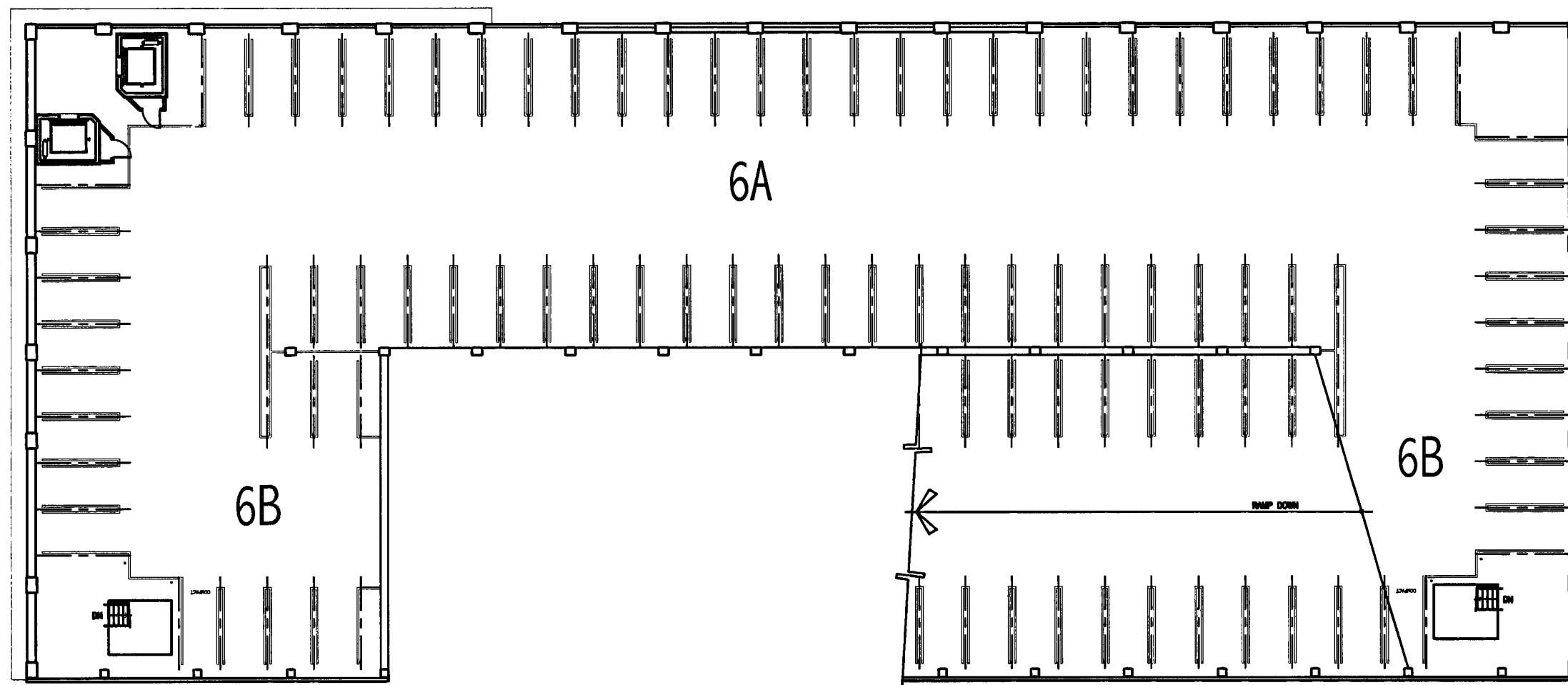


SHEET TITLE
CAR AND AREA SUMMARY

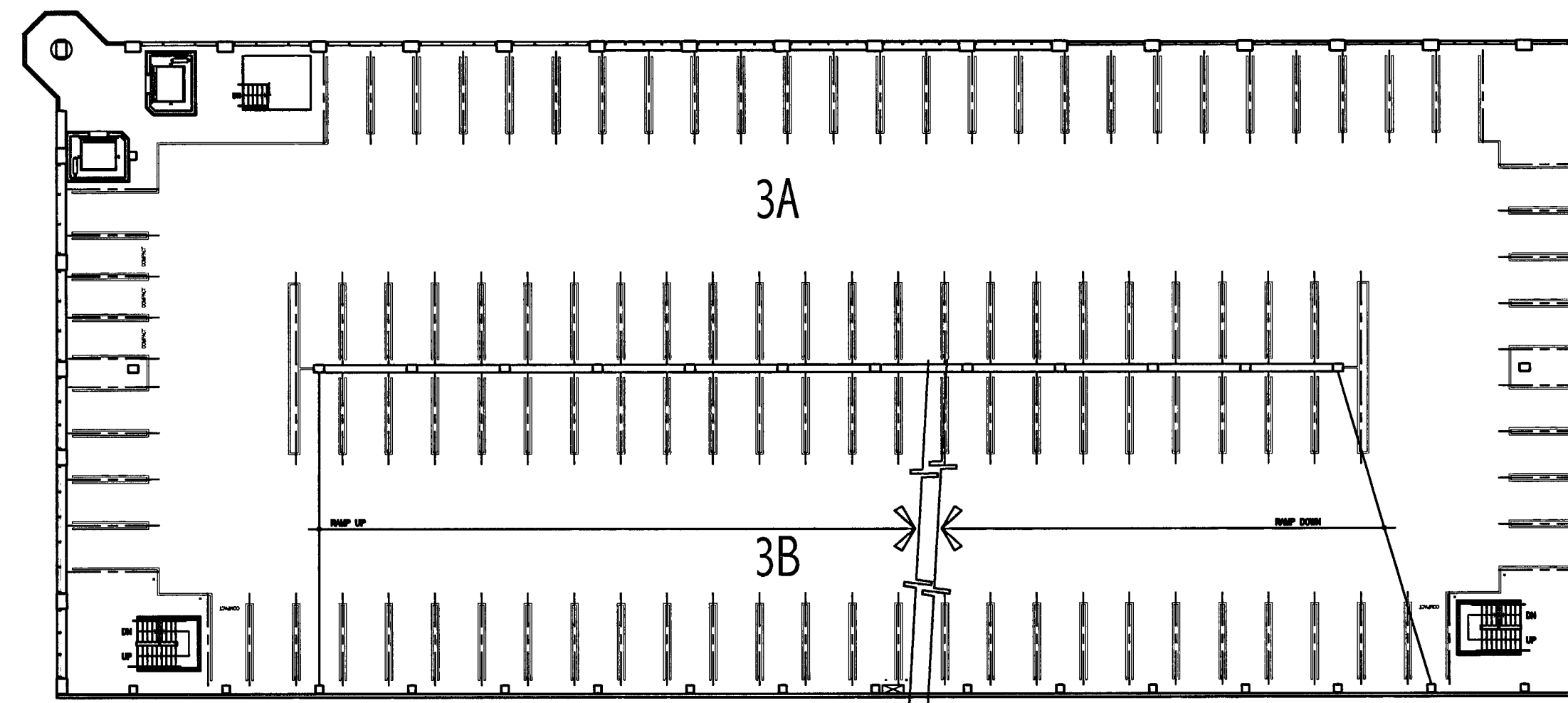
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A-02

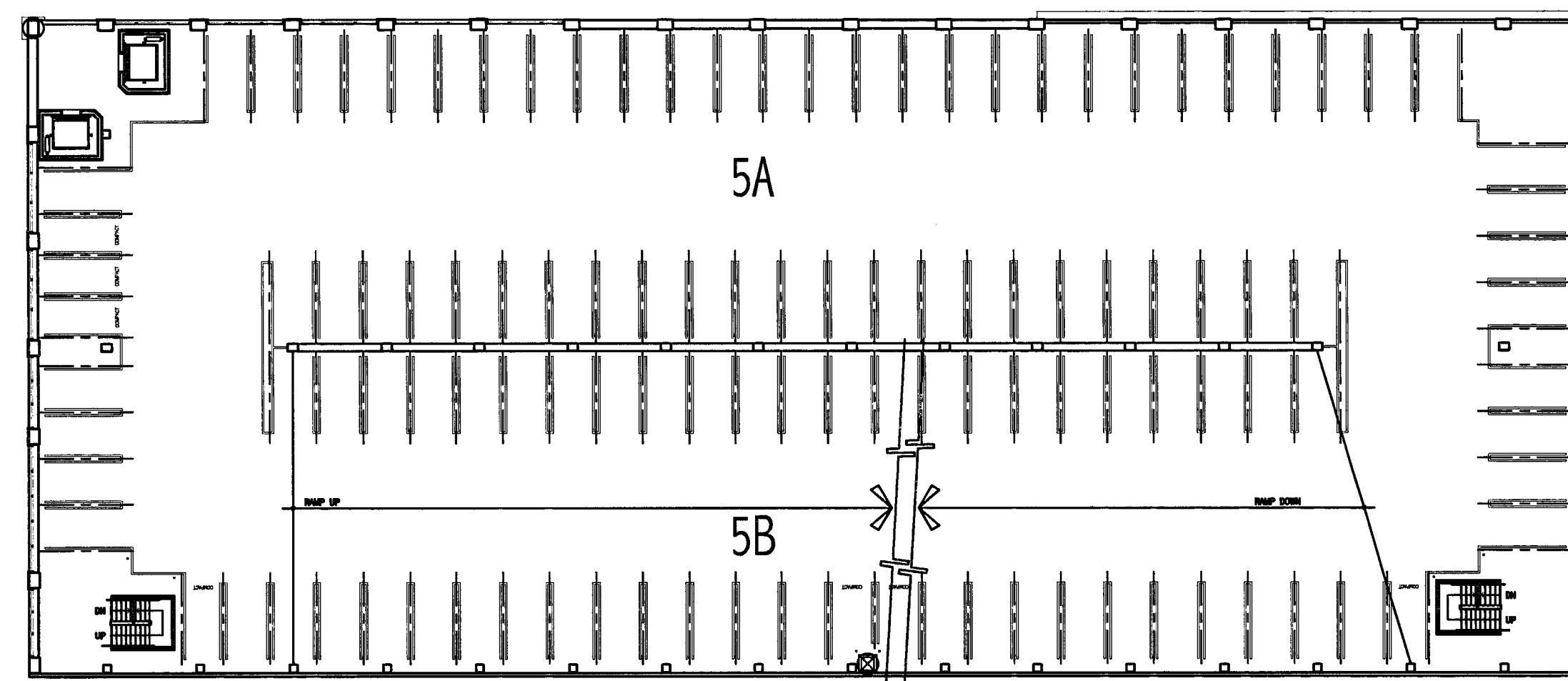
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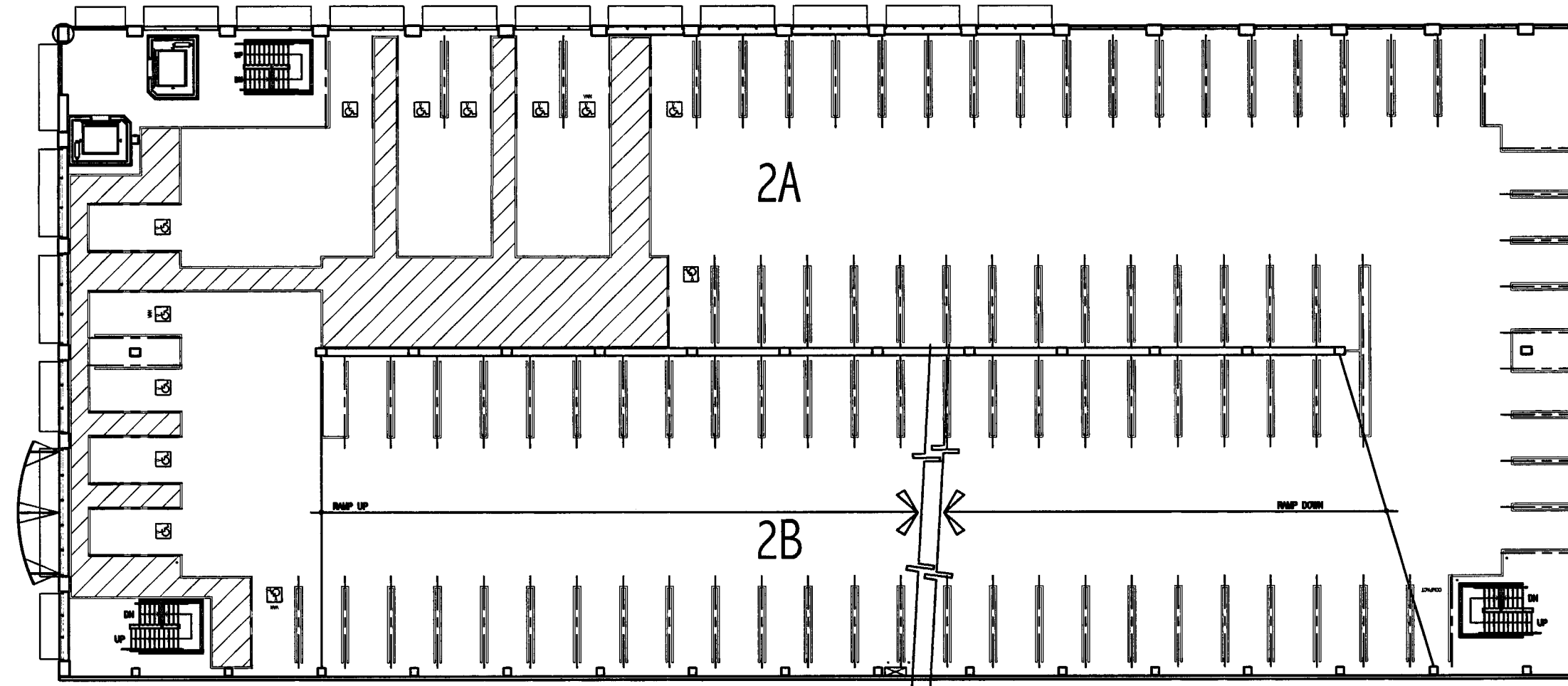
LEVEL P-6 FLOOR PLAN



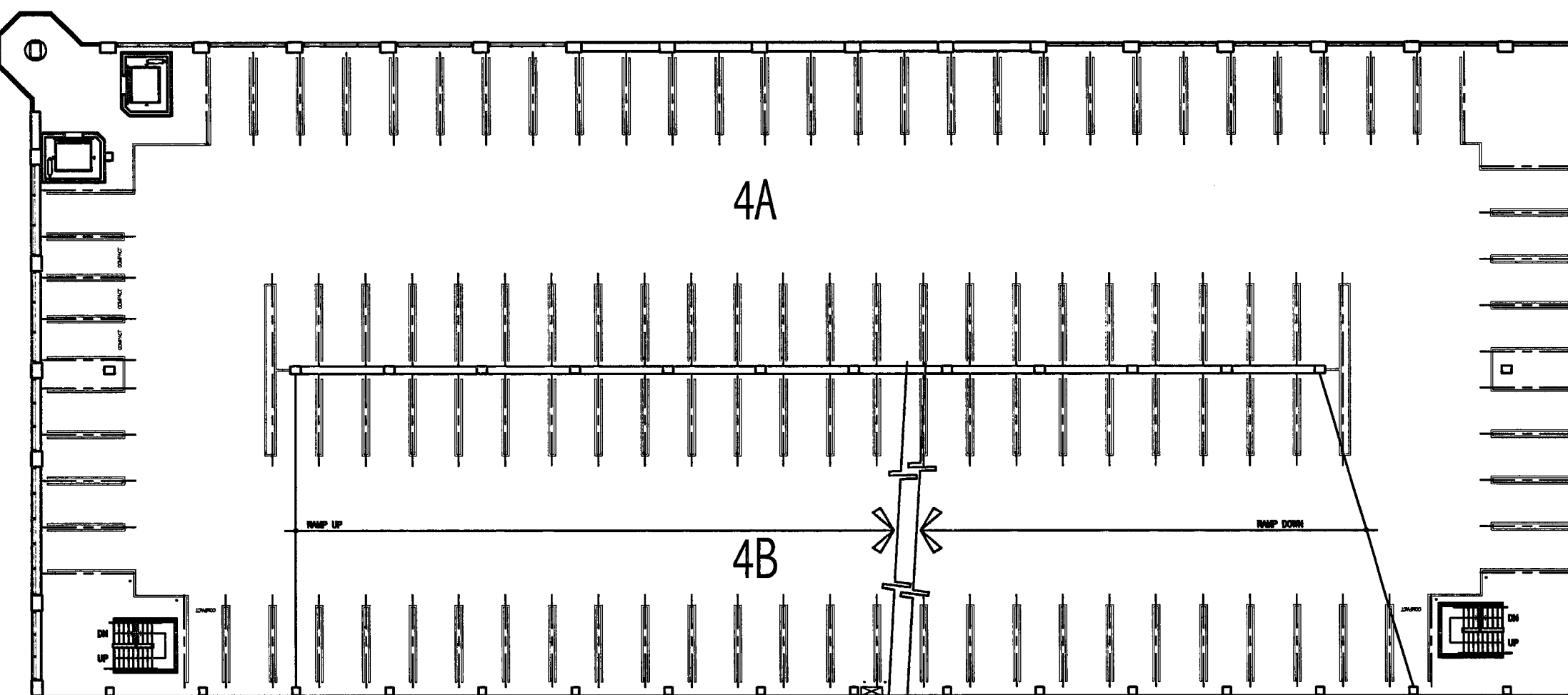
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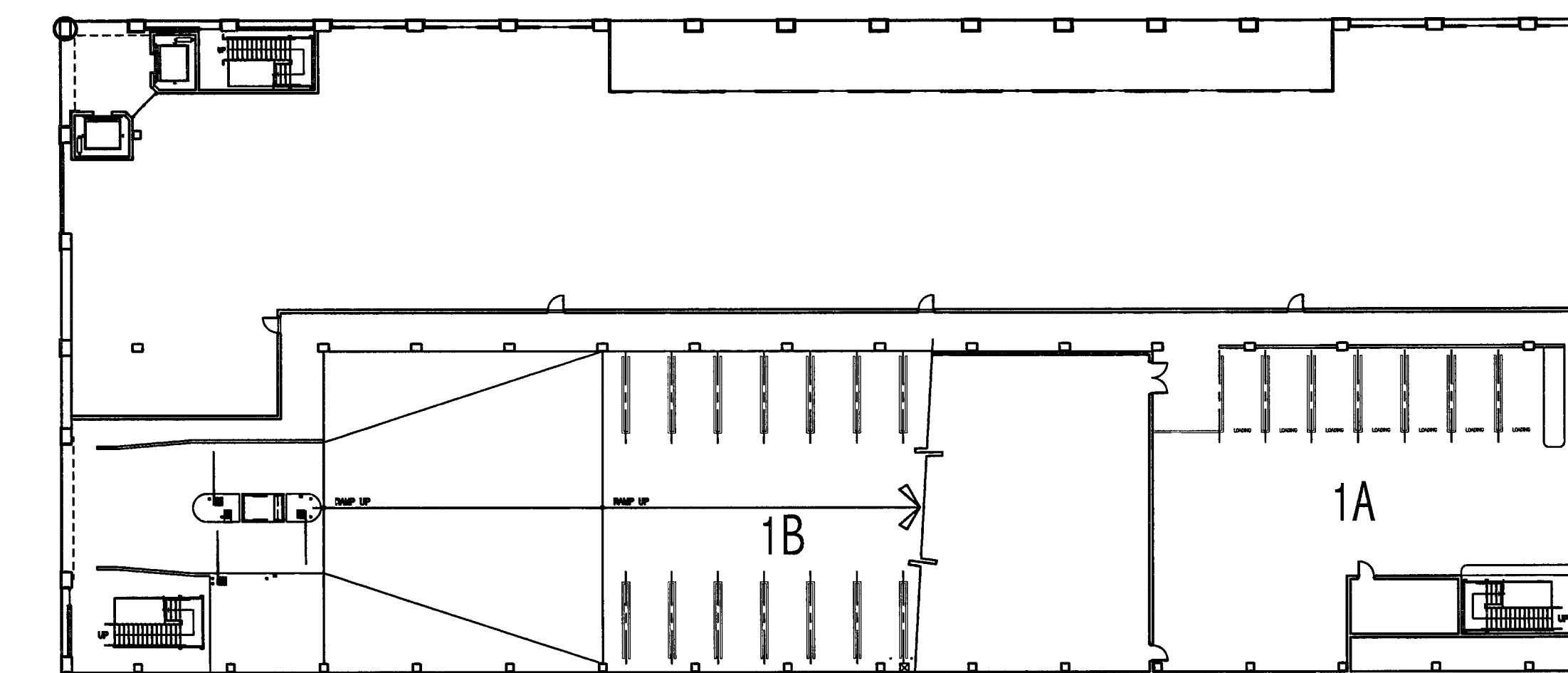
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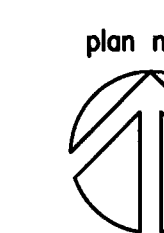
LEVEL P-2 FLOOR PLAN



LEVEL P-4 FLOOR PLAN



LEVEL P-1 FLOOR PLAN



CAR and AREA SUMMARY

PARKING AREA	ON-GRADE SLAB (SF)	ELEVATED SLAB (SF)	NUMBER OF SPACES				TOTAL	SF/STALL
			COMPACT (8'-0" X 18'-0")	STANDARD (9'-0" X 18'-0")	ACCESSIBLE (9'-0" X 18'-0")	VAN ACCESSIBLE (9'-0" X 18'-0")		
LEVEL P-1								
1A	4973.00		0	7	0	0	7	665.57
1B	9225.00	5642.00	0	32	0	0	32	464.59
LEVEL P-1 (TOTALS)	14198.00	5642.00	0	39	0	0	39	508.72
LEVEL P-2								
2A	19125.00		0	35	8	1	44	434.64
2B	19225.00		1	50	3	1	55	349.55
LEVEL P-2 (TOTALS)	38350.00		1	85	11	2	99	387.37
LEVEL P-3								
3A	19242.00		3	53	0	0	56	343.61
3B	19225.00		2	56	0	0	58	331.47
LEVEL P-3 (TOTALS)	38467.00		5	109	0	0	114	337.43
LEVEL P-4								
4A	19242.00		3	55	0	0	58	331.76
4B	19225.00		2	56	0	0	58	331.47
LEVEL P-4 (TOTALS)	38467.00		5	111	0	0	116	331.61
LEVEL P-5								
5A	19125.00		3	55	0	0	58	329.74
5B	19225.00		4	54	0	0	58	331.47
LEVEL P-5 (TOTALS)	38350.00		7	109	0	0	116	330.60
LEVEL P-6								
6A	19125.00		0	59	0	0	59	324.15
6B	7738.00		2	14	0	0	16	483.63
LEVEL P-6 (TOTALS)	26863.00		2	73	0	0	75	358.17
SUB-TOTALS	14198.00	186139.00	20	526	11	2	559	358.38
LEVEL P-1 NON PARKING	24152.00	00.00						
TOTALS	38350.00	186139.00						
TOTAL SQUARE FOOTAGE	224489.00							

**CITY
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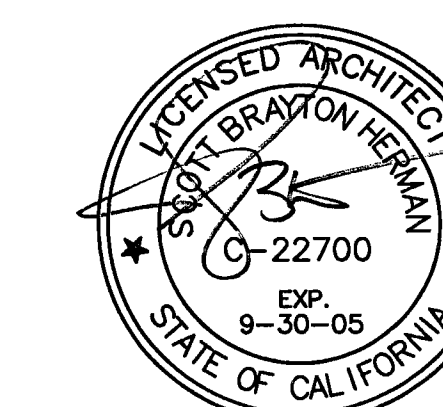
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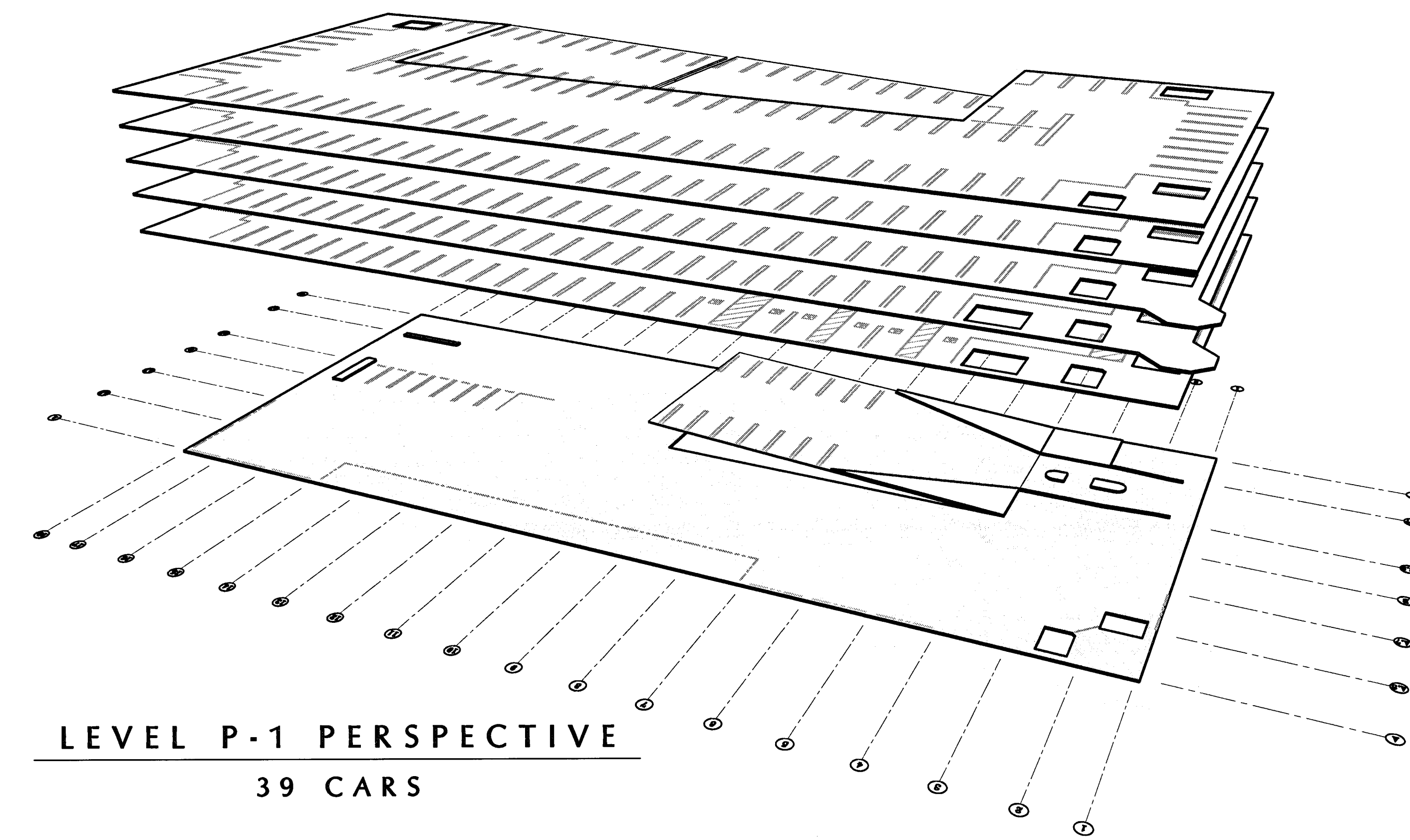
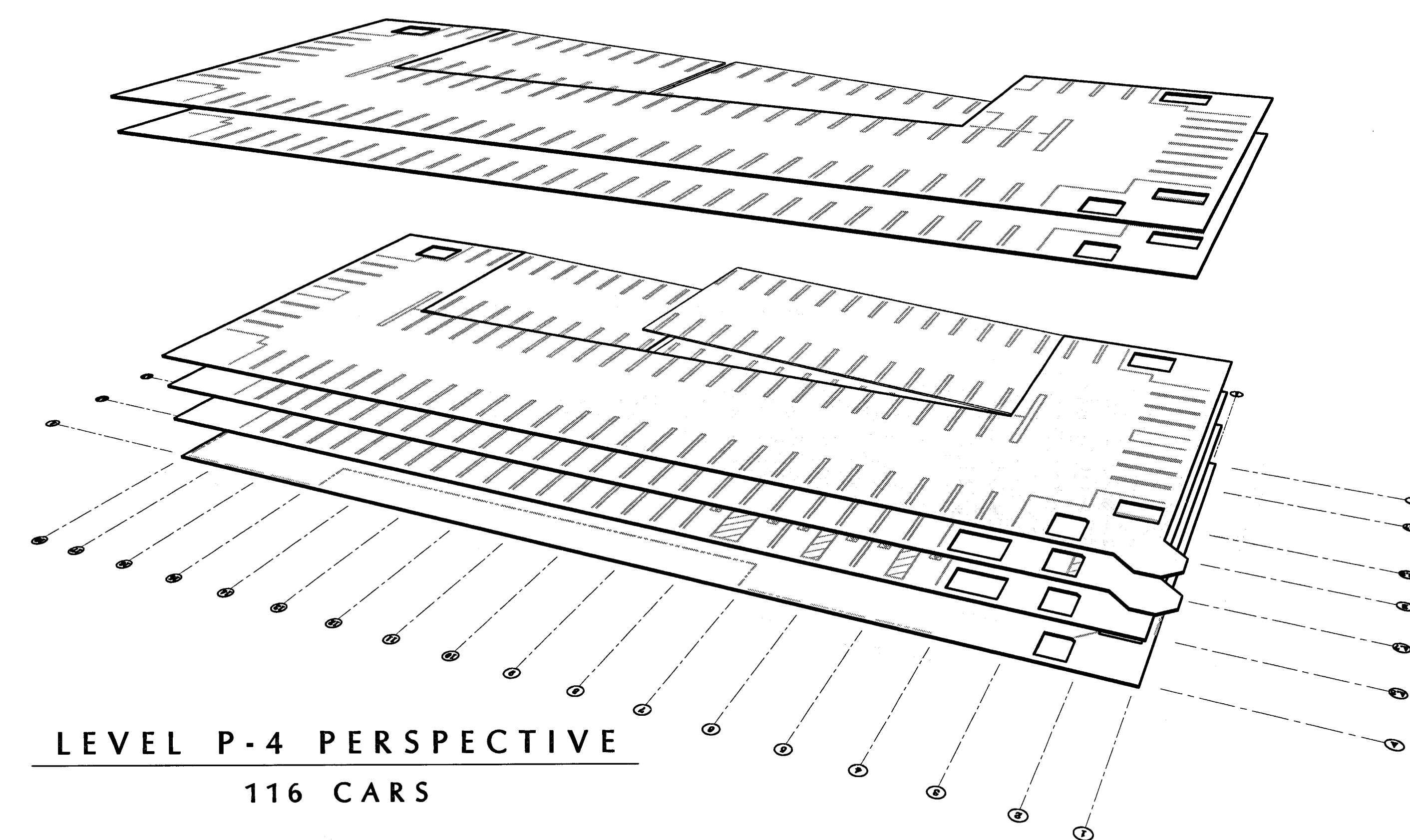
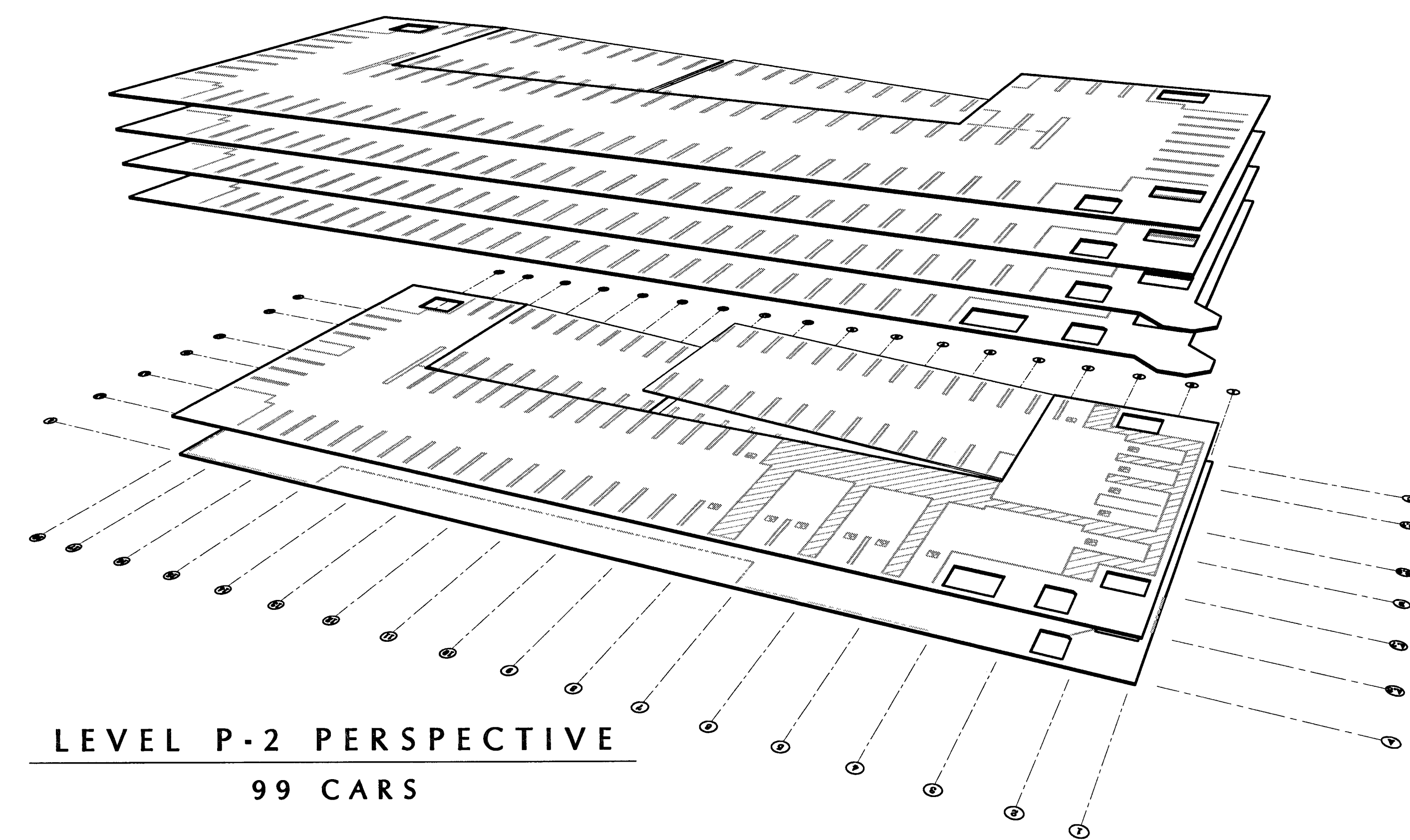
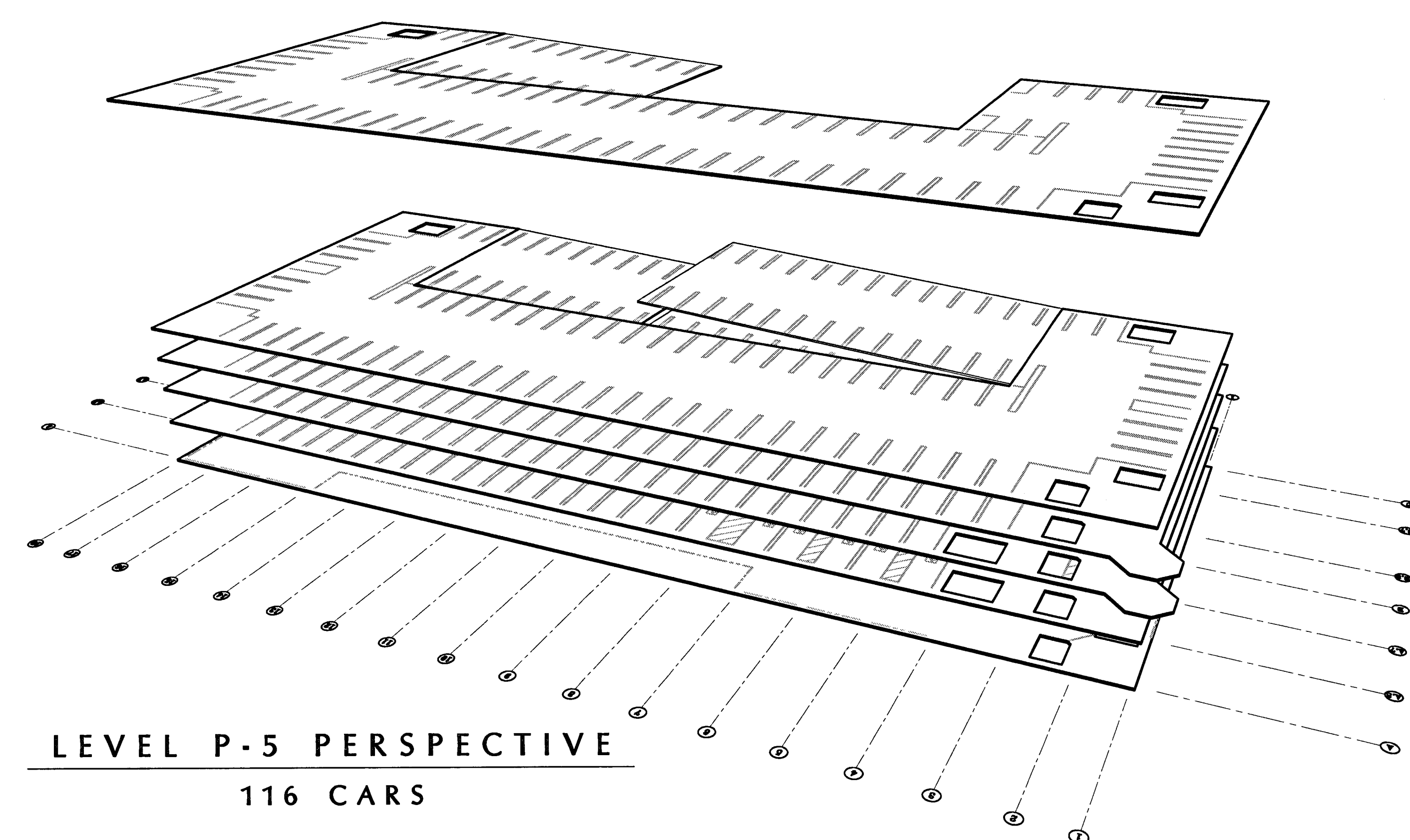
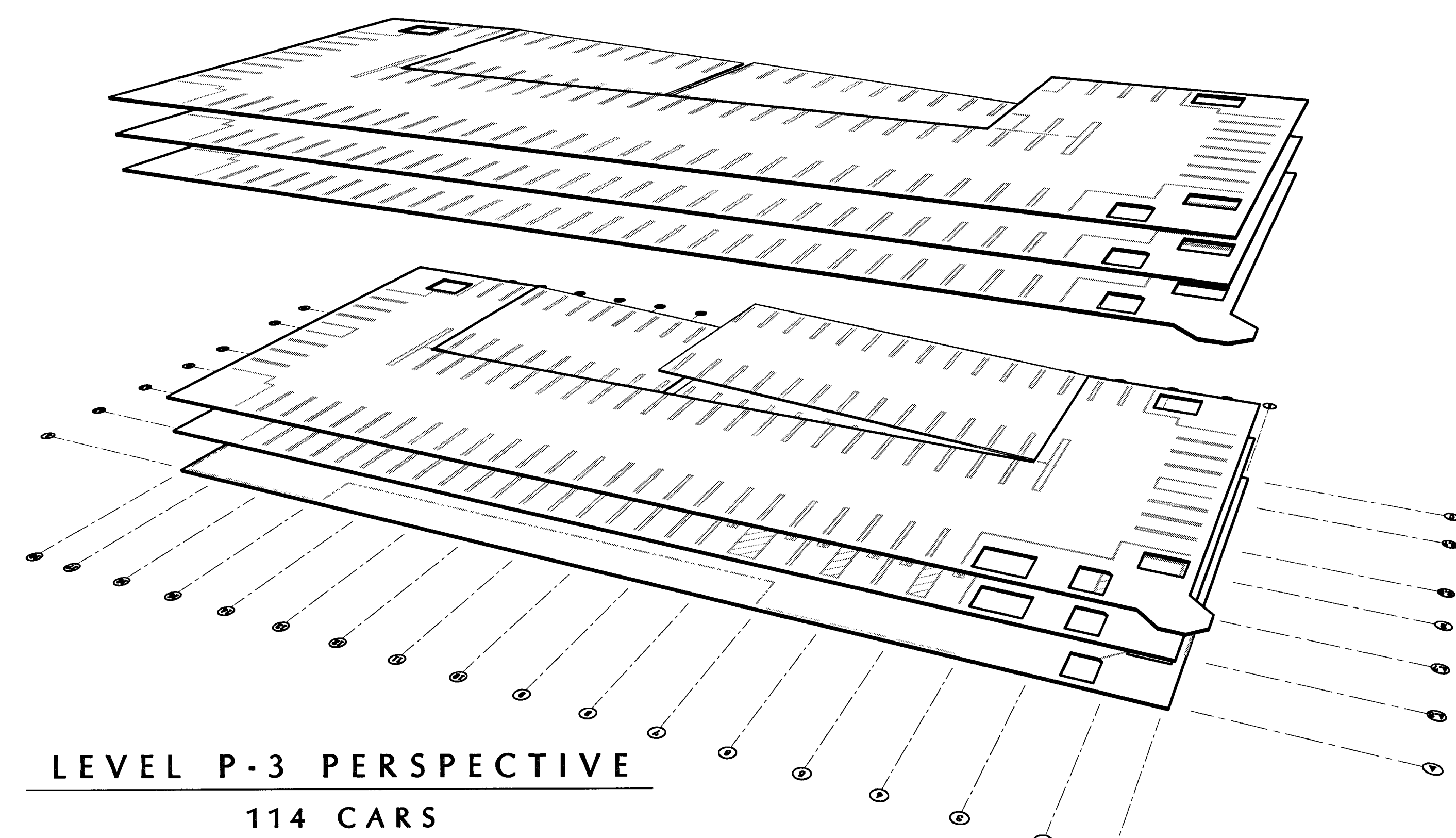
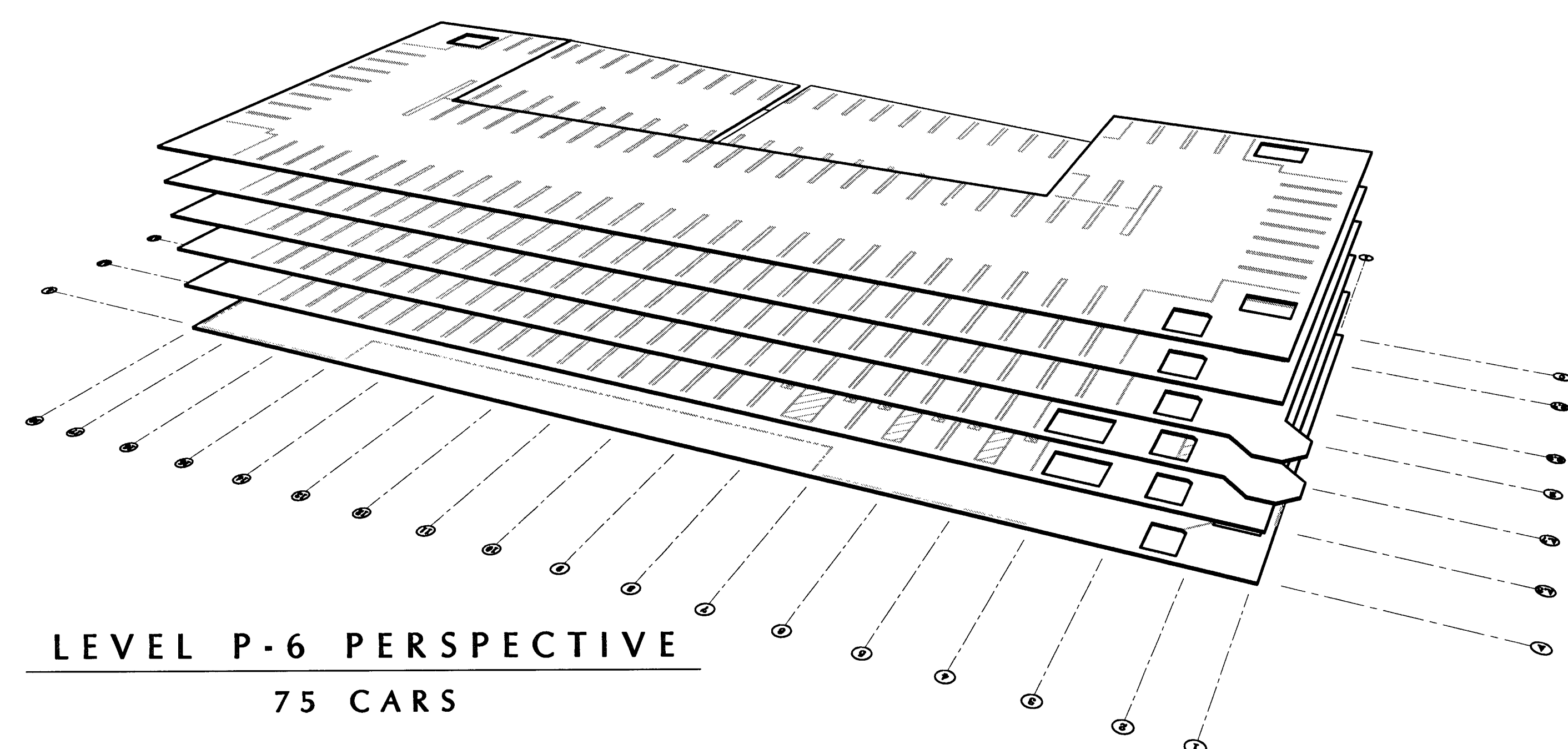


SHEET TITLE
**CAR COUNT
MODELS**

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SBH	SBH
DRAWING NO.	SHEET
2319A-0-3	
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**CITY
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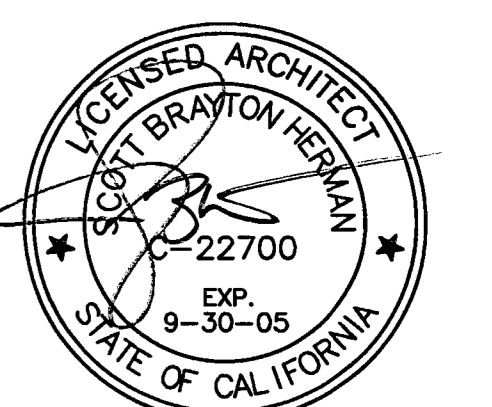
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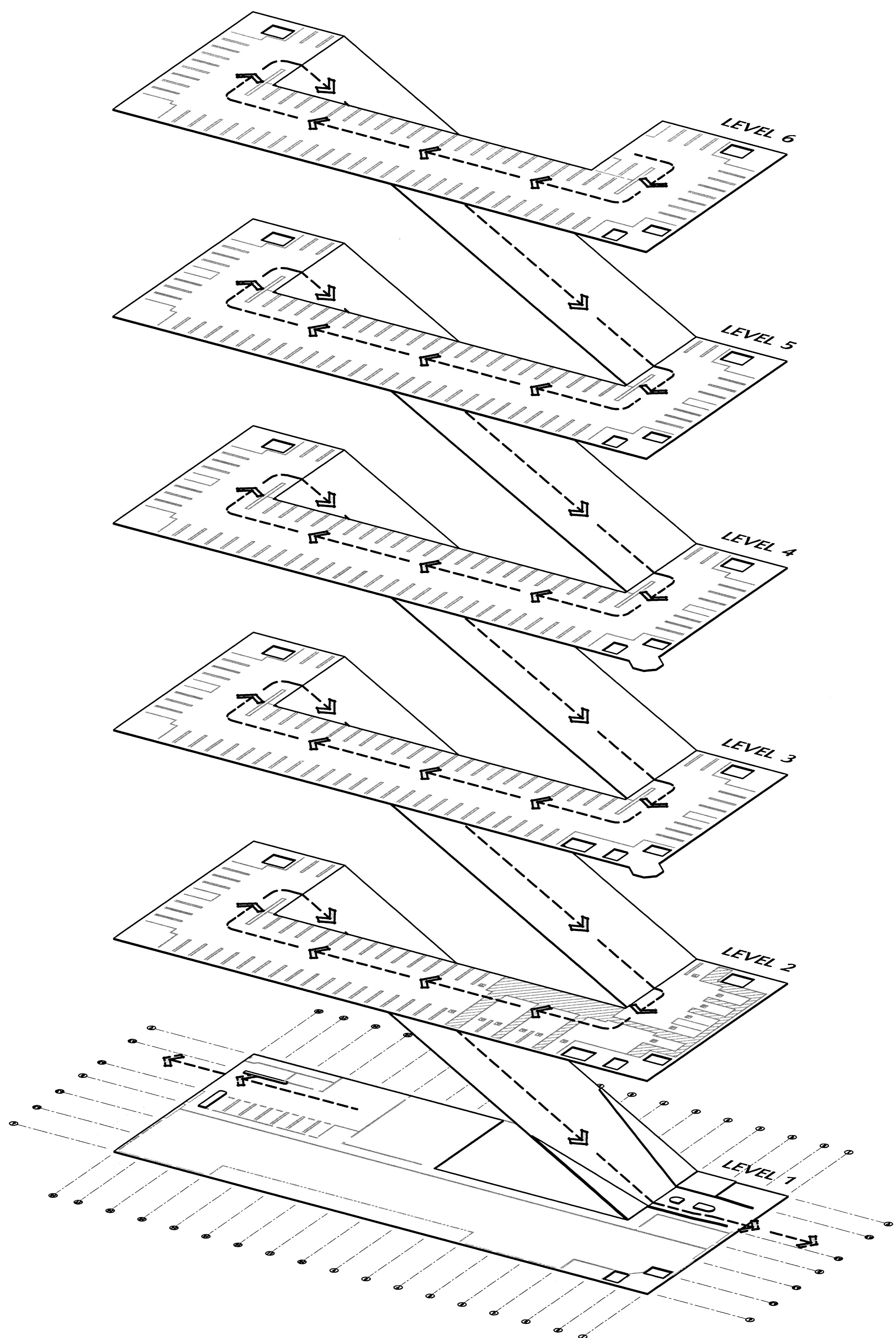
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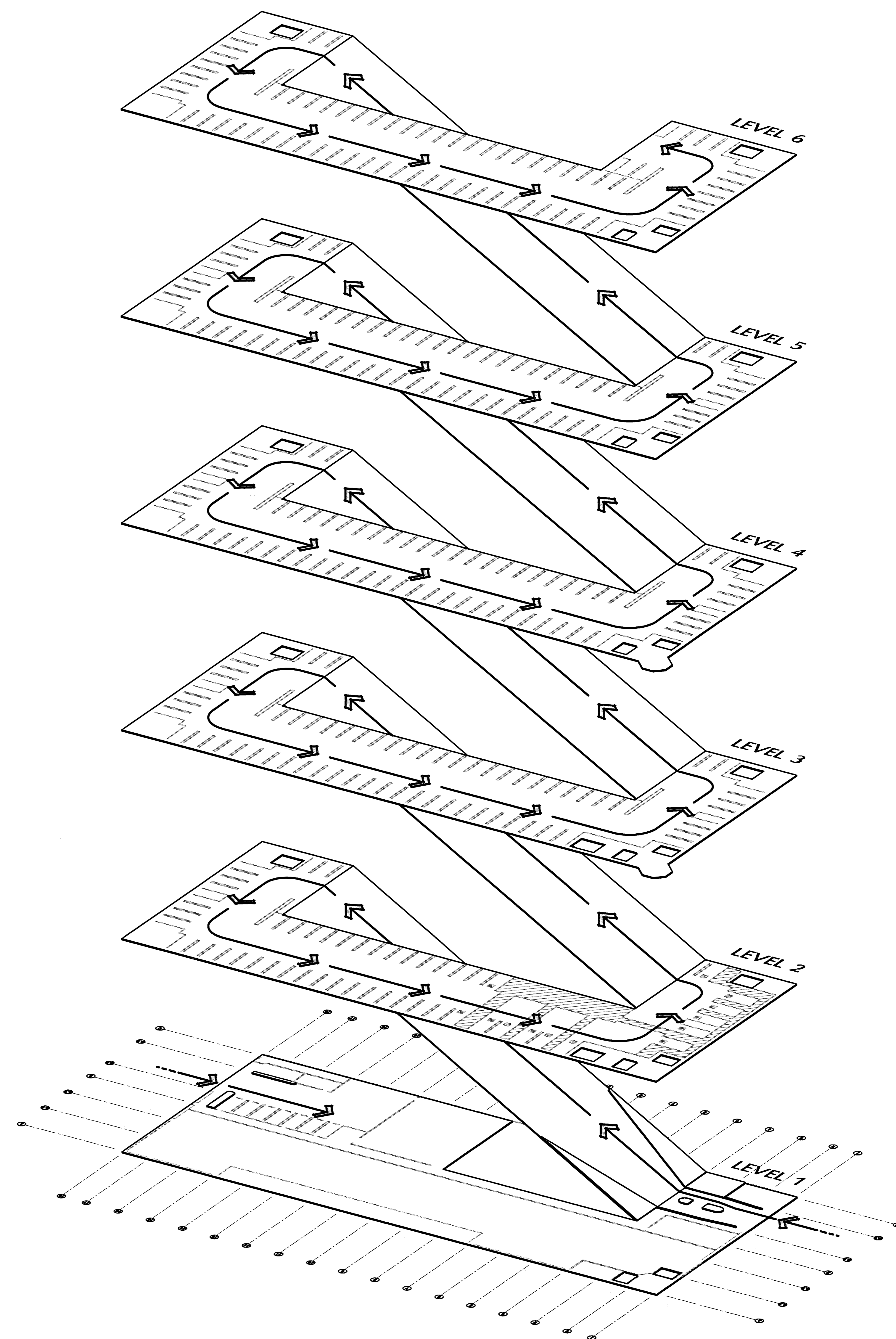
SHEET TITLE
**FLOW DIAGRAM
MODELS**

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DRAWING NO. 2318A-0-4	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-04
PROJECT NO:
HNA 2319



EGRESS FLOW DIAGRAM



INGRESS FLOW DIAGRAM

ABBREVIATIONS

&	And	Jan.	Janitor
L	Angle	Jt.	Joint
@	At	Kit.	Kitchen
⊕	Centerline	Lab.	Laboratory
∅	Diameter or Round	Lam.	Laminated
#	Pound or Number	Lav.	Lavatory
Acous.	Acoustical	Lkr.	Locker
A.D.	Area Drain	Lt.	Light
Adj.	Adjustable	Max.	Maximum
Aggr.	Aggregate	M.C.	Medicine Cabinet
Al.	Aluminum	Mech.	Mechanical
Approx.	Approximate	Membr.	Membrane
Arch.	Architectural	Met.	Metal
Asb.	Asbestos	Mfr.	Manufacturer
Asph.	Asphalt	Mh.	Manhole
Bd.	Board	Min.	Minimum
Bitum.	Bituminous	Mir.	Mirror
Bldg.	Building	Misc.	Miscellaneous
Blk.	Block	M.O.	Masonry Opening
Blkg.	Blocking	Mtd.	Mounted
Bm.	Beam	Mul.	Mullion
Bot.	Bottom	N.	North
Cab.	Cabinet	N.I.C.	Not In Contract
C.B.	Catch Basin	No. or #	Number
C.D.	Catch Drain	Nom.	Nominal
Cem.	Cement	N.T.S.	Not To Scale
Cer.	Ceramic	O.A.	Overall
C.I.	Cast Iron	Obs.	Obscure
C.G.	Corner Guard	O.C.	On Center
Clg.	Ceiling	O.D.	Outer Diameter (Dim.)
Clkg.	Clanking	Off.	Office
Clo.	Closet	Opng.	Opening
Clr.	Clear	Opp.	Opposite
C.O.	Cased Opening	Prctst.	Pre-cast
Col.	Column	Pl.	Plate
Conc.	Conc.	P.Lam.	Plastic Laminate
Conn.	Connection	Plas.	Plaster
Constr.	Construction	Plywd.	Plywood
Cont.	Continuous	Pr.	Pair
Corr.	Corridor	Pt.	Point
Ctsk.	Countersunk	P.T.D.	Paper Towel Dispenser
Cntr.	Counter	P.T.D./r	Combined Paper Towel Dispenser & Receptacle
Ctr.	Center	Ptn.	Partition
Dbt.	Double	P.T.R.	Paper Towel Receptacle
Dept.	Department	Q.T.	Quarry Tile
D.F.	Drinking Fountain	R.	Riser
Det.	Detail	Rad.	Radius
Dia.	Diameter	R.D.	Roof Drain
Dim.	Dimension	Ref.	Reference
Disp.	Dispenser	Refr.	Refrigerator
Dn.	Down	Rgrtr.	Register
D.O.	Door Opening	Reinf.	Reinforced
Dr.	Door	Req.	Required
Dwr.	Drawer	Resil.	Resilient
Ds.	Downspout	Rm.	Room
D.S.P.	Dry Standpipe	R.O.	Rough Opening
Dwg.	Drawing	Rwd.	Redwood
E.	East	R.W.L.	Rain Water Leader
Ea.	Each	S.	South
E.J.	Expansion Joint	S.C.	Solid Core
E.L.	Elevation	S.C.D.	Seat Cover Dispenser
Elec.	Electrical	Sched.	Schedule
Elev.	Elevator	S.D.	Soap Dispenser
Emer.	Emergency	Sect.	Section
Encl.	Enclosure	Sh.	Shelf
E.P.	Electrical Panelboard	Shr.	Shower
Eq	Equal	Sht.	Sheet
Eqpt.	Equipment	Sim.	Similar
E.W.C.	Electric Water Cooler	S.N.D.	Sanitary Napkin Disp.
Exst.	Existing	S.N.R.	Sanitary Napkin Recept.
Expo.	Exposed	Spec.	Specification
Exp.	Expansion	Sq.	Square
Ext.	Exterior	S.St.	Stainless Steel
F.A.	Fire Alarm	S.St.	Service Sink
F.B.	Flat Bar	Sta.	Station
F.D.	Floor Drain	Std.	Standard
Fdn.	Foundation	Stl.	Steel
F.E.	Fire Extinguisher	Stor.	Storage
F.E.C.	Fire Extinguisher Cab.	Stri.	Structural
F.H.C.	Fire Hose Cabinet	Susp.	Suspended
Fin.	Finish	Sym.	Symmetrical
Fl.	Floor	Trd.	Tread
Flash.	Flashing	T.B.	Towel Bar
Fluor.	Fluorescent	T.C.	Top Of Curb
F.O.C.	Face Of Concrete	Tel.	Telephone
F.O.F.	Face Of Finish	Ter.	Terrazzo
F.O.S.	Face Of Studs	T.&G.	Tongue And Groove
Fprf.	Fireproof	Thk.	Thick
F.S.	Full Size	T.P.	Top Of Pavement
Fl.	Foot Or Feet	T.P.D.	Toilet Paper Dispenser
Flg.	Footing	T.V.	Television
Furr.	Furring	T.W.	Top Of Wall
Fut.	Future	Typ.	Typical
Gal.	Gauge	Unf.	Unfinished
Galv.	Galvanized	U.O.N.	Unless Otherwise Noted
G.B.	Grab Bar	Ur.	Urinal
Gl.	Glass	Vert.	Vertical
Gnd.	Ground	Vest.	Vestibule
Gr.	Grade	W.	West
Gyp.	Gypsum	W/	With
H.B.	Hose Bibb	W.C.	Water Closet
H.C.	Hollow Core	Wd.	Wood
Hdwd.	Hardwood	W/O	Without
Hdwe.	Hardware	Wp.	Waterproof
H.M.	Hollow Metal	Wscot.	Wainscot
Horiz.	Horizontal	Wt.	Weight
Hr.	Hour		
Hgt.	Height		
I.D.	Inside Diameter (Dim.)		
Insul.	Insulation		
Int.	Interior		

SYMBOLS KEY

	Detail Symbol
	Detail Number
	Drawing Number
	Section/Elevation Symbol
	Interior Elevations (Shaded Arrows Indicate Shown Elevations)
	Column Lines (Letters In Horizontal Direction, Numbers In Vertical Direction)
	Door Number
	Work Pt., Control Pt., Datum Point, Floor Elev. Pt.
	Equipment Type
	Millwork Item
	Disabled Facilities Symbol
	Window Type
	Louver Type
	Room Identification Room Name Room Number
	Partition Type Number
	Match Line
	Center Line
	Plan Blow-Up Symbol & Detail Symbol
	Revision (Cloud Around Revision Optional)
	F.D. Floor Drain
	R.D. Roof Drain
	C.D. Catch Drain
	O.H. Overflow Hole
	D.S.P. Dry Standpipe
	Finish Floor Elevations
	F.E. Fire Extinguishers
	Contract Limit Line

MATERIALS KEY

	Earth/Compact Fill		Gypsum Bd.
	Porous Fill/Gravel		Finished Wood
	Conc. Masonry Unit		Blocking/Rough Wood
	Face/Common Brick		Glass
	Concrete		Rigid Insulation
	Sand/Mortar Plaster		Batt Insulation
	Stone		Brick Elev.
	Metals		Stone
	Plywood		Memb. W.P.

CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:

City of Stockton

DESIGN BUILDER:

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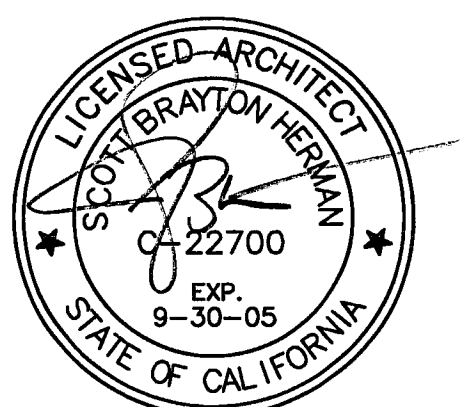
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CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHECK SET
3/11/05	PERMIT SET



SHEET TITLE

SYMBOLS KEY MATERIALS KEY ABBREVIATIONS

DATE	29, NOV. 2004	SCALE	NO SCALE
DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2319A-0-5	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-0.5

PROJECT NO:
HNA 2319

SCHIRMER ENGINEERING CORPORATION

21221 S. WESTERN AVENUE, SUITE 100 • TORRANCE, CA 90501 • PHONE (310) 760-0800 • FAX (310) 768-1970

REQUEST FOR ALTERNATE DESIGN APPROACH

COY PARKING STRUCTURE STOCKTON, CALIFORNIA

Prepared For: Scott Herman HNA/PACIFIC Parking Consultants/Architects 61 Sea Breeze Ave. Rancho Palos Verdes, CA 90275

SEC Project No. 1904070-000

June 23, 2004

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Fire Protection Engineering • Code Consulting • Risk Control • Security Consulting

Coy Parking Structure Stockton, California 1 June 23, 2004 SEC Project No. 1904070-000

INTRODUCTION

The Coy Parking Structure will be a 575 space parking structure with approximately 7,500 square feet of ground level commercial space...

California Building Code Section 104.2.8 grants the building official the authority to approve alternate building methods provided the building official finds that the proposed design is satisfactory and complies with the provisions of this code...

APPLICABLE CODES

The following codes and standards were used in preparing this alternate design request:

- California Building Code (CBC) – 2001 Edition
California Fire Code (CFC) – 2001 Edition
National Fire Protection Association (NFPA) Fire Protection Handbook – 18th Edition
International Conference of Building Officials Handbook to the Uniform Building Code – 1997 Edition

PROJECT DESCRIPTION

It is desired that the Coy Parking Structure be designed and constructed in accordance with the requirements for an open parking garage (Group S, Division 4) as defined in CBC Section 311.9. Approximately 7,500 square feet of ground floor space will be utilized for retail (Group M) and dining (Group B) occupancy.

The Coy Parking Structure will be built of Type I, F.R. construction (as required for a Group S-3 structure) and will include approximately 40,000 square feet of floor area per tier, resulting in a total building area of approximately 240,000 square feet.

Coy Parking Structure Stockton, California 3 June 23, 2004 SEC Project No. 1904070-000

2. The open parking structure will be built of Type I, F.R. construction. CBC Table 3-H, Open Parking Garage Area and Height, and Section 311.9.6 allows a Type II, One-Hour construction classification in consideration that such construction classification structure permits an open parking structure to be 10 tiers in height with 50,000 square feet per tier.

A Type I, F.R. building has a greater degree of fire safety than a building of Type II, One-Hour construction. For example, the structural frame of a Type I, F.R. building is required to be three-hour fire-resistive construction whereas the structural frame of a Type II, One-Hour building requires one-hour fire-resistive construction.

Table comparing Required vs Provided fire-resistive requirements for Exterior Bearing Walls, Exterior Nonbearing Walls, and Opening Protection.

3. The Group S-3 travel distance limitations for an unsprinklered building will be maintained. Although the parking garage will be classified as an open parking structure, the means of egress travel distance limitations of an enclosed parking structure will be applied.

4. The retail and dining spaces will be provided with existing facilities independent from the parking garage. The commercial components will front directly on a public way, thereby permitting the primary means of egress to lead directly to the exterior.

Coy Parking Structure Stockton, California 5 June 23, 2004 SEC Project No. 1904070-000

requirements and will be separated from the retail and dining occupancies by a two-hour fire-resistive occupancy separation.

2. A Class I standpipe system will be provided throughout the open parking structure. In consideration that the Stockton area is subject to freezing temperatures, a Class II standpipe system will not be provided.

3. Section 406.3.4 of the 2003 International Building Code (IBC) allows mixed occupancies in an open parking structure provided that such mixed occupancies are separated from each other per IBC Section 302.3 and Table 302.3.2 (1), a two-hour occupancy separation is required between retail/dining use and an open parking garage.

4. Section 302.8.1.6 of the 2003 NFPA 5000, Building Construction and Safety Code, also allows portions of an open parking structure located within a building used for another purpose (such as retail or dining use) provided that such portions have the principal supporting members and bearing walls protected by a two-hour fire-resistive separation.

Although the 2003 IBC and 2003 NFPA 5000 are not yet adopted as the next State of California building code, it is worth noting that several other model building codes permit mixed occupancies (such as retail and dining use) within open parking structures without any more fire protection of life safety features other than a fire-resistive occupancy separation.

CONCLUSION

This alternate design request presents an approach to allow 7,500 square feet of retail and dining use within the ground level of the Coy Parking Structure. It is SEC's opinion that the proposed mitigating features and considerations stated herein will meet or exceed the level of fire protection and life safety intended by the applicable provisions of the CBC.

Prepared by: SCHIRMER ENGINEERING CORPORATION



Christopher S. Prueher, P.E. Associate Consultant

Reviewed by: Tuk Vorapipit, E.I.T. Project Consultant

Coy Parking Structure Stockton, California 1 June 23, 2004 SEC Project No. 1904070-000

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ADDITIONAL CONSIDERATIONS 4
CONCLUSION 5

Coy Parking Structure Stockton, California 2 June 23, 2004 SEC Project No. 1904070-000

APPLICABLE CODE REQUIREMENTS

CBC Section 311.9.2 defines an open parking garage as "a structure of Type I or II construction with uniformly distributed perimeter openings on two or more sides used exclusively for the parking or storage of private or pleasure-type motor vehicles."

Despite the presence of combustible materials and finishes inherent with automobiles, the potential for rapid-fire development in vehicles is low. In parking garages with exterior openings that dissipate smoke and hot gases, the likelihood of a serious fire is even less.

The CBC permits the ground parking level to contain an office area, waiting area, and/or toilet rooms having a total area of not more than 1,000 square feet. Such areas are not required to be separated from the open parking garage.

The CBC permits the ground parking level to contain an office area, waiting area, and/or toilet rooms having a total area of not more than 1,000 square feet without provision of a fire-resistive occupancy separation.

Since the automobiles located within the parking structure, this exception to allow office, waiting and toilet rooms within an open parking garage first appeared in the 1973 Edition of the Uniform Building Code and appears unchanged in the 2001 CBC.

PROPOSED DESIGN AND JUSTIFICATION

Alternate Design Features
The proposed alternate design approach will include mitigating features and considerations intended to minimize the hazard associated with locating the retail and dining occupancies within the ground level of the open parking garage.

- 1. A two-hour occupancy separation with one- and one-half-hour opening protection will separate the commercial retail and dining spaces from the parking garage.
2. The occupancy separation will be provided on the basis that a one-hour occupancy separation with one-hour opening protection is required between retail (Group M) or dining (Group B) occupancies and an enclosed parking garage (Group S-3).

Coy Parking Structure Stockton, California 4 June 23, 2004 SEC Project No. 1904070-000

Further Justification

In addition to the alternate design features to permit the retail and dining occupancies within the ground level of the open parking structure, the following includes a brief discussion of relevant full-scale fire tests and research substantiating the fact that automobile fires do not present substantial fire hazard concerns:

- 1. Tests were conducted in 1972 by the American Iron and Steel Institute (AISI) in a multistory open parking structure with exposed steel structural members.
2. Similar tests conducted by the British at Borehamwood fire test station yielded similar results in that automobile fires are not likely to spread to adjacent vehicles.
3. A survey of parking garage fires was conducted in 1979 by the Marketing Research Associates (MRA). Of the few incidents reported, the major incidents include substantial evidence that a fire initiated in one car remains confined to that car.

Since the automobile fire tests and research indicate that there is a low fire hazard (in terms of fire spread potential), it can be inferred that the building code requirements should not be concerned with an exposure fire originating from the parking component affecting the retail and dining occupancies.

ADDITIONAL CONSIDERATIONS

In addition to the aforementioned mitigating features and further justification associated with the parking garage fire tests and research, the following features should be considered for this alternate design request:

- 1. The retail (Group M) and dining (Group B) use will be protected throughout by an automatic sprinkler system.
2. The parking structure is exempt from automatic sprinkler protection.

1. Gowan, R. G., "Fire Experience and Fire Tests in Automobile Parking Structures," Fire Journal, Vol. 67, No. 4, July 1973.
2. Butler, E. G., et al., "Fire and Car-Park Buildings," Fire Note No. 70, Ministry of Technology and Fire Offices' Committee/Conf. Fire Research Organization, London, UK, 1968.
3. Dr. Leslie Harris, "1978 Update of the Survey of Fire Experience of Fire Exposure in Automobile Parking Structures in the United States and Canada"

Coy Parking Structure Stockton, California 1 June 23, 2004 SEC Project No. 1904070-000

Coy Parking Structure Stockton, California 2 June 23, 2004 SEC Project No. 1904070-000

Coy Parking Structure Stockton, California 4 June 23, 2004 SEC Project No. 1904070-000

CITY OF STOCKTON COMMUNITY DEVELOPMENT DEPARTMENT City Hall • 425 N. El Dorado Street • Stockton, CA 95202-1997

June 22, 2004

Scott Herman 61 Sea Breeze Avenue Rancho Palos Verdes, CA 90275

COY AND ARENA PARKING STRUCTURES - REQUEST FOR AN ALTERNATE DESIGN APPROACH

I have had the opportunity to review your request to construct the parking structures as a mixed occupancy facility consisting of Groups M, B and S-4 Occupancies. The California Building Code, as you are aware, defines an open parking garage as a structure used exclusively for the parking or storage of pleasure type motor vehicles.

I agree that the mitigation offered will limit the fire loading and possibility of conflagration to a level consistent with an S-4 Occupancy. The proposed mitigation measures shall include the following:

- 1. The one-hour occupancy separation separating the M and B occupancies from the S-4 shall be increased to a two-hour separation with one- and one-half hour protected openings thus affording extra separation protection from conflagration of fire.
2. The allowable Type II one-hour construction will be upgraded to Type I Fire-Resistive thus significantly improving the overall fire protection characteristics of the building.
3. The travel distance to exits will remain limited to 200 feet as opposed to the 300 feet allowed by the CBC for an S-4 Occupancy.
4. The Group M and B Occupancies will be provided with automatic fire sprinklers to limit the fire loading from the 1st level.

Scott Herman June 22, 2004 Page Two

COY AND ARENA PARKING STRUCTURES - REQUEST FOR AN ALTERNATE DESIGN APPROACH

I concur with SEC's conclusion that the alternative design as proposed will provide at least the same level of life safety and fire safety protection as a conventionally designed S-4 Occupancy. I hereby accept this alternative design and mitigation pursuant to the authority vested in CBC Sec. 104.2.8(2001).

JAMES E. GLASER, DIRECTOR COMMUNITY DEVELOPMENT DEPARTMENT

DALE T. HIMES, DEPUTY DIRECTOR BUILDING DIVISION

JEG:DTM/jm cc: James Glaser, Director/Community Development Department Jay Coffey, Construction Manager



CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER: City of Stockton

DESIGN BUILDER: F&H Construction 4945 Waterloo Road Stockton, California 95215 209. 931. 3738

CONSULTANTS: Architect - Peeling Consultant HNA / Pacific 61 Sea Breeze Avenue Rancho Palos Verdes, California 90275 910. 544. 8670

Design Architect: Winell Mattheise Bowe 246 E. Wash Street Stockton, California 95202 209. 944. 9110

Structural Engineer: Jessor Wright Structural Engineers 113 West 8th Avenue, Suite A Chico, California 95926 209. 894. 5345

Civil Engineer: Siegfried Engineering, Inc. 4045 Coronado Avenue Stockton, California 95204 209. 943. 2021

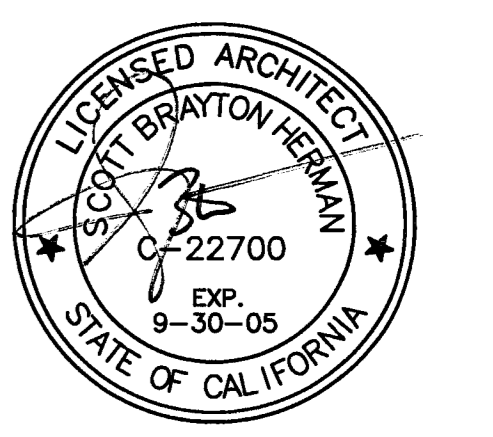
Plumbing Designer - Design/Builder: HRM Plumbing 3650 Wilcox Road Stockton, California 95215 209. 931. 9650

Electrical Designer - Design/Builder: Collins Electrical 611 W. Fremont Street Stockton, California 95203 209. 466. 3691

Mechanical Designer - Design/Builder: Comfort Air 1607 Turnpike Road Stockton, California 95201 209. 466. 4601

CONST. DOCUMENTS

REVISIONS: 11/29/04 PLANCHHECK SET 3/11/05 PERMIT SET



SHEET TITLE: ALTERNATE DESIGN APPROACH

Table with columns for DATE, SCALE, DRAWN BY, CHECKED BY, DRAWING NO., SHEET, PROGRAM NO., R-NO.

DRAWING NO: A-07 PROJECT NO: HNA 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

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 209. 943. 2021

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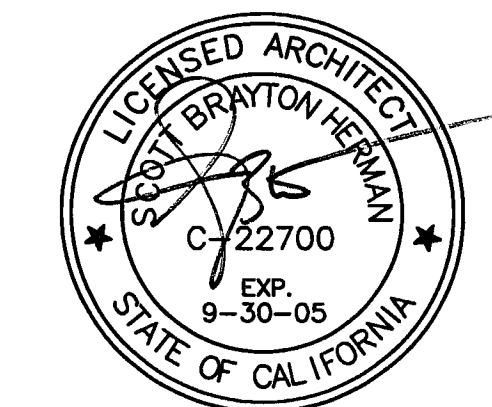
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Collins Electrical
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 209. 466. 3691

Mechanical Designer - Design/Builder
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 1607 Turnpike Road
 Stockton, California 95201
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CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE

SITE PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-1-1	
PROGRAM NO.	R-NO.

DRAWING NO:

A-11

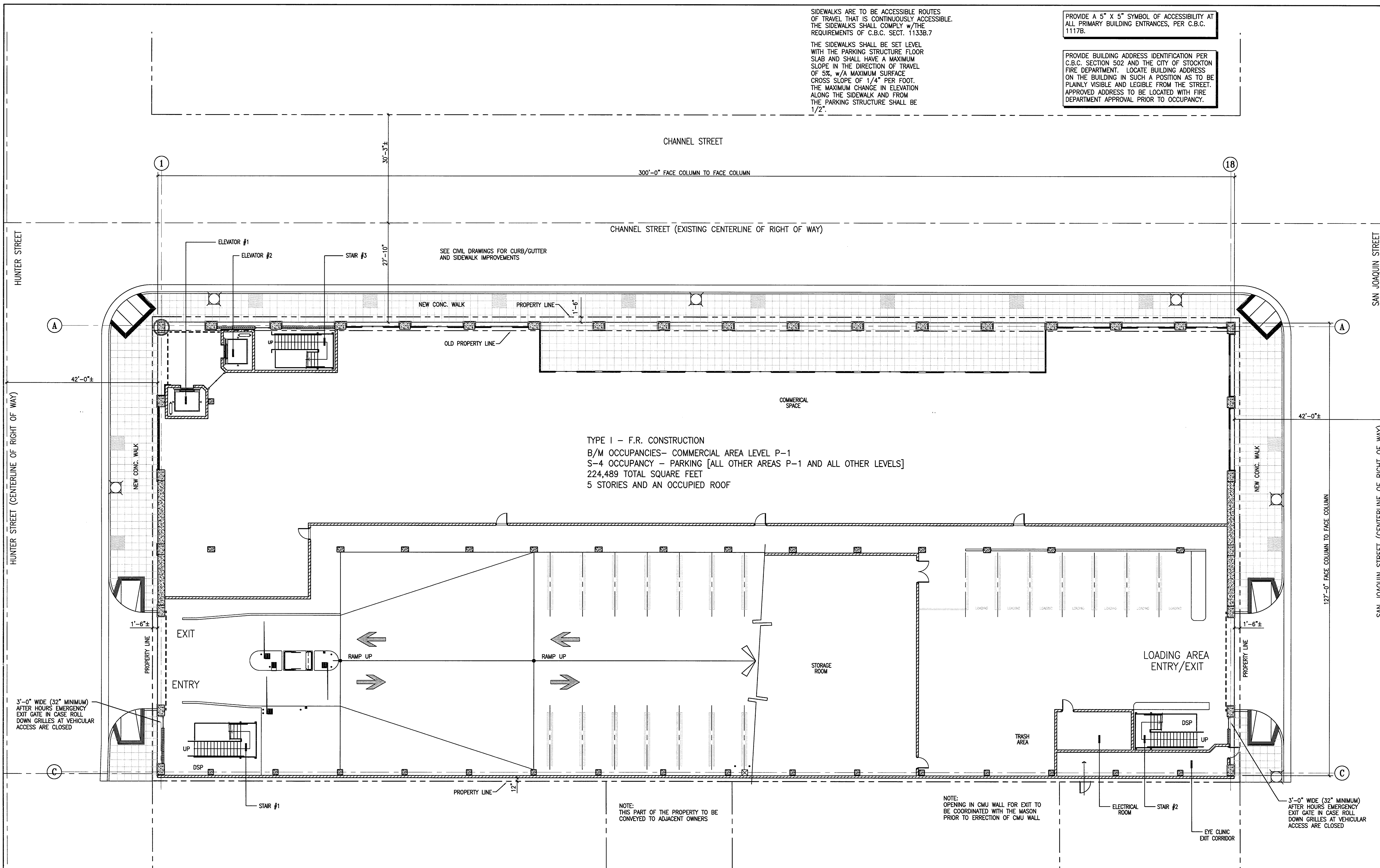
PROJECT NO:
H N A 2319

SIDEWALKS ARE TO BE ACCESSIBLE ROUTES OF TRAVEL THAT IS CONTINUOUSLY ACCESSIBLE. THE SIDEWALKS SHALL COMPLY WITH THE REQUIREMENTS OF C.B.C. SECT. 1133B.7

THE SIDEWALKS SHALL BE SET LEVEL WITH THE PARKING STRUCTURE FLOOR SLAB AND SHALL HAVE A MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL OF 5%, w/A MAXIMUM SURFACE CROSS SLOPE OF 1/4" PER FOOT. THE MAXIMUM CHANGE IN ELEVATION ALONG THE SIDEWALK AND FROM THE PARKING STRUCTURE SHALL BE 1/2".

PROVIDE A 5" X 5" SYMBOL OF ACCESSIBILITY AT ALL PRIMARY BUILDING ENTRANCES, PER C.B.C. 1117B.

PROVIDE BUILDING ADDRESS IDENTIFICATION PER C.B.C. SECTION 502 AND THE CITY OF STOCKTON FIRE DEPARTMENT. LOCATE BUILDING ADDRESS ON THE BUILDING IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET. APPROVED ADDRESS TO BE LOCATED WITH FIRE DEPARTMENT APPROVAL PRIOR TO OCCUPANCY.



TYPE I - F.R. CONSTRUCTION
 B/M OCCUPANCIES- COMMERCIAL AREA LEVEL P-1
 S-4 OCCUPANCY - PARKING [ALL OTHER AREAS P-1 AND ALL OTHER LEVELS]
 224,489 TOTAL SQUARE FEET
 5 STORIES AND AN OCCUPIED ROOF

NOTE: THIS PART OF THE PROPERTY TO BE CONVEYED TO ADJACENT OWNERS

NOTE: OPENING IN CMU WALL FOR EXIT TO BE COORDINATED WITH THE MASON PRIOR TO ERECTION OF CMU WALL

4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)
 PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "3M - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

SEE CIVIL DRAWINGS FOR LEGAL DESCRIPTION AND PARCEL/SITE DIMENSIONS AND BEARINGS

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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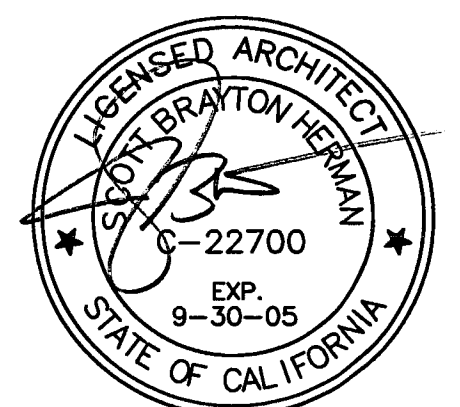
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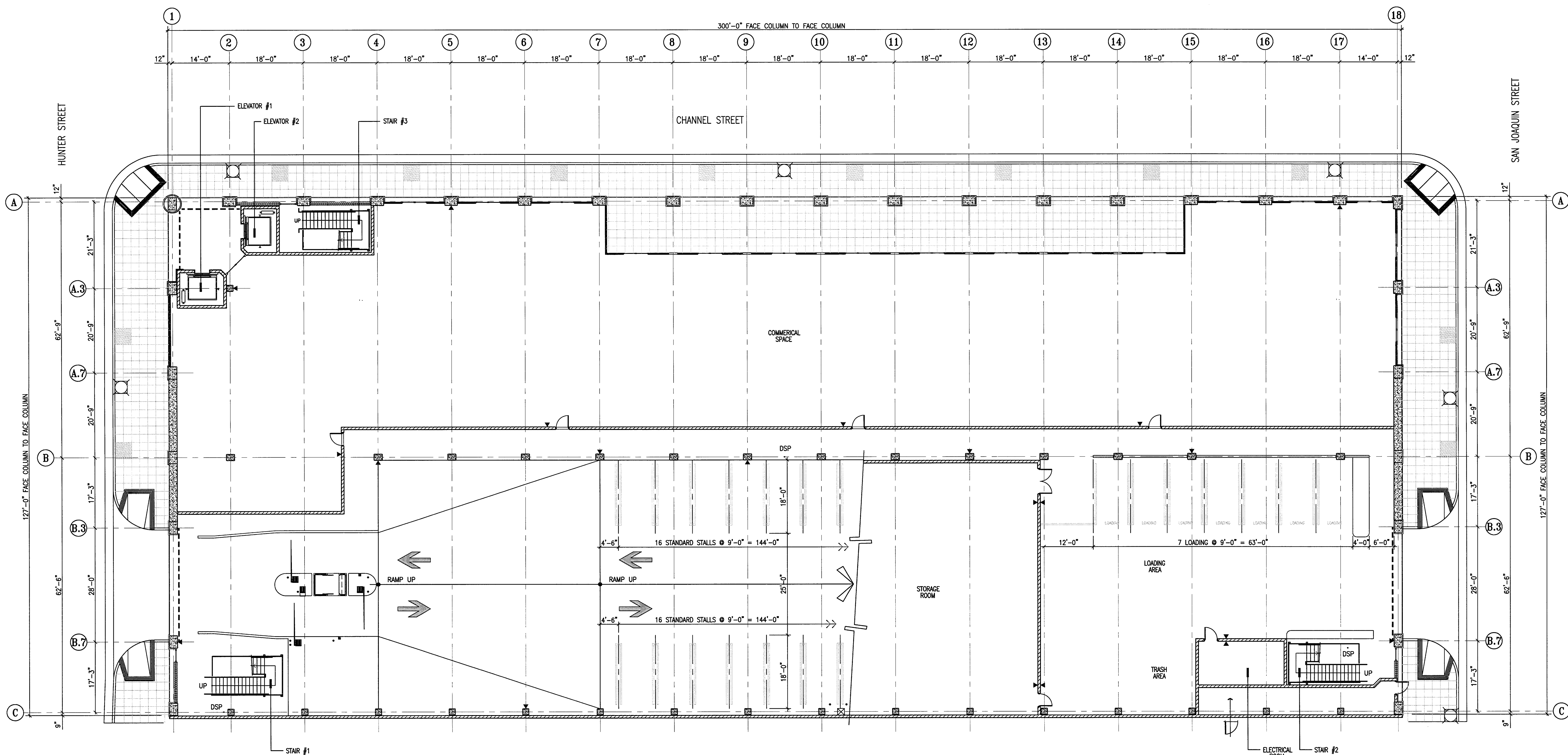
REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
LEVEL P-1 STRIPING PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-2-1	
PROGRAM NO.	R-NO.

DRAWING NO:
A-21
 PROJECT NO:
 HNA 2319



- STRIPING NOTES**
- 90 DEGREE STANDARD STALLS ARE 9'-0" IN WIDTH AND ARE 18'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS
 - 90 DEGREE COMPACT STALLS ARE 9'-0" IN WIDTH AND ARE 15'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS
 - COMPACT STALLS ARE DENOTED BY "COMPACT" SEE DETAIL 3/A-11.1 FOR STALL MARKING
 - ALL DRIVE AISLES ARE 25'-0" WIDE (MINIMUM)
 - ALL 90 DEGREE DISABLED SPACES ARE 9'-0" WIDE X 18'-0" LONG (MINIMUM), WITH A 5'-0" WIDE LOADING AISLE (MINIMUM), & 8'-0" WIDE LOADING AISLE AT VAN ACCESSIBLE SPACES. SEE DETAILS 2 & 3/A-11.1 & 1 & 2/A-11.2 FOR TYPICAL DISABLED SIGNAGE AND SYMBOLS.
 - SEE SHEET A-11.1 FOR TYP. STRIPING DETAILS.
 - SEE DETAIL 4/A-11.1 FOR TRAFFIC ARROWS.
 - SEE DETAIL 5/A-11.1 FOR CONC. WHEELSTOPS.
 - SEE DETAIL 7/A-11.1 FOR PAINTED STOP SIGNS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.

true north plan north

1
A-21
LEVEL P-1 STRIPING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:

City of Stockton

DESIGN BUILDER:

F&H Construction
 4945 Waterloo Road
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 209. 931. 3738

CONSULTANTS:

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 209. 943. 2021

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HRM Plumbing
 3650 Wilcox Road
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 209. 931. 9650

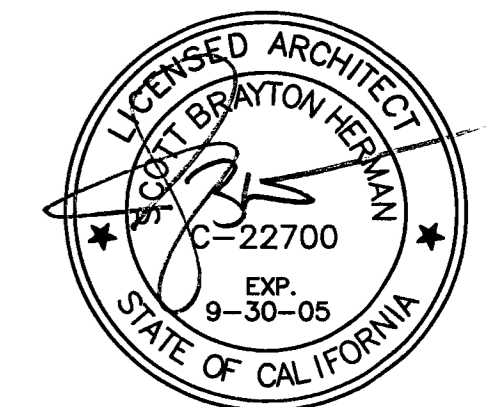
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Wright Air
 1607 Turnpike Road
 Stockton, California 95201
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REVISIONS:

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 3/11/05 PERMIT SET



SHEET TITLE

LEVEL P-2 STRIPING PLAN

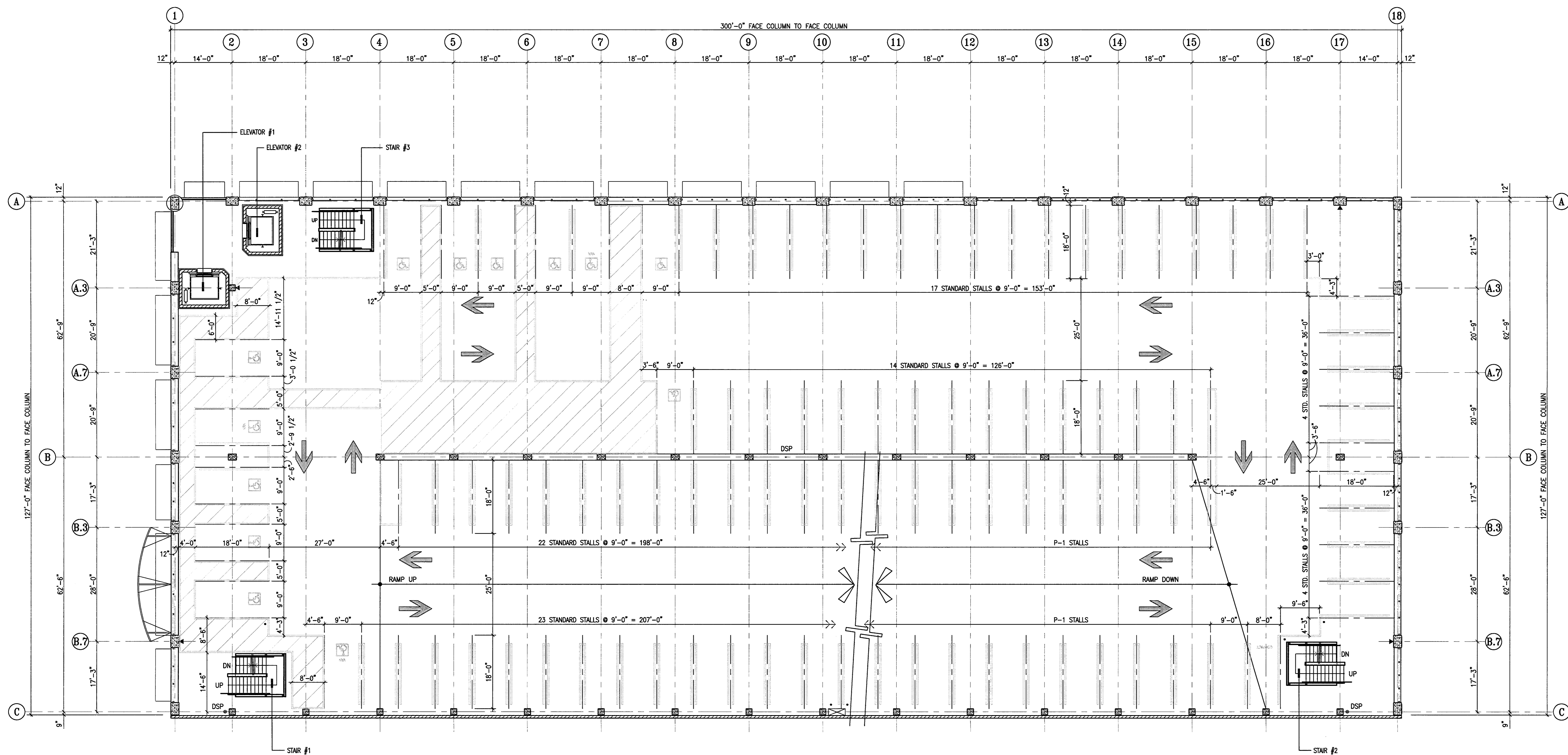
DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2318A-2-2	
PROGRAM NO.	R. NO.

DRAWING NO:

A-2.2

PROJECT NO:

HNA 2319



- STRIPING NOTES**
- 90 DEGREE STANDARD STALLS ARE 9'-0" IN WIDTH AND ARE 15'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS.
 - 90 DEGREE COMPACT STALLS ARE 9'-0" IN WIDTH AND ARE 15'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS.
 - COMPACT STALLS ARE DENOTED BY "COMPACT" SEE DETAIL 3/A-11.1 FOR STALL MARKING.
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 - SEE SHEET A-11.1 FOR TYP. STRIPING DETAILS.
 - SEE DETAIL 4/A-11.1 FOR TRAFFIC ARROWS.
 - SEE DETAIL 5/A-11.1 FOR CONC. WHEELSTOPS.
 - SEE DETAIL 7/A-11.1 FOR PAINTED STOP SIGNS.
 - INDICATES FIRE EXTINGUISHERS W/CABINETS.

1
LEVEL P-2 STRIPING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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 209.943.2021

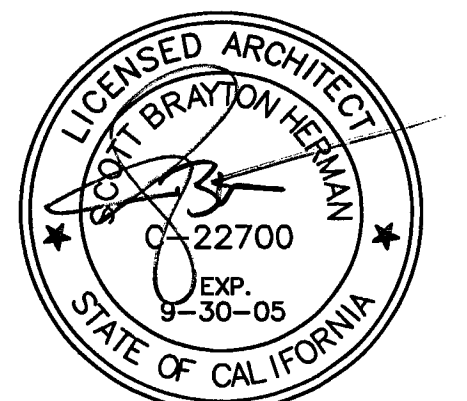
Plumbing Designer - Design/Builder
HRM Plumbing
 9650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
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Mechanical Designer - Design/Builder
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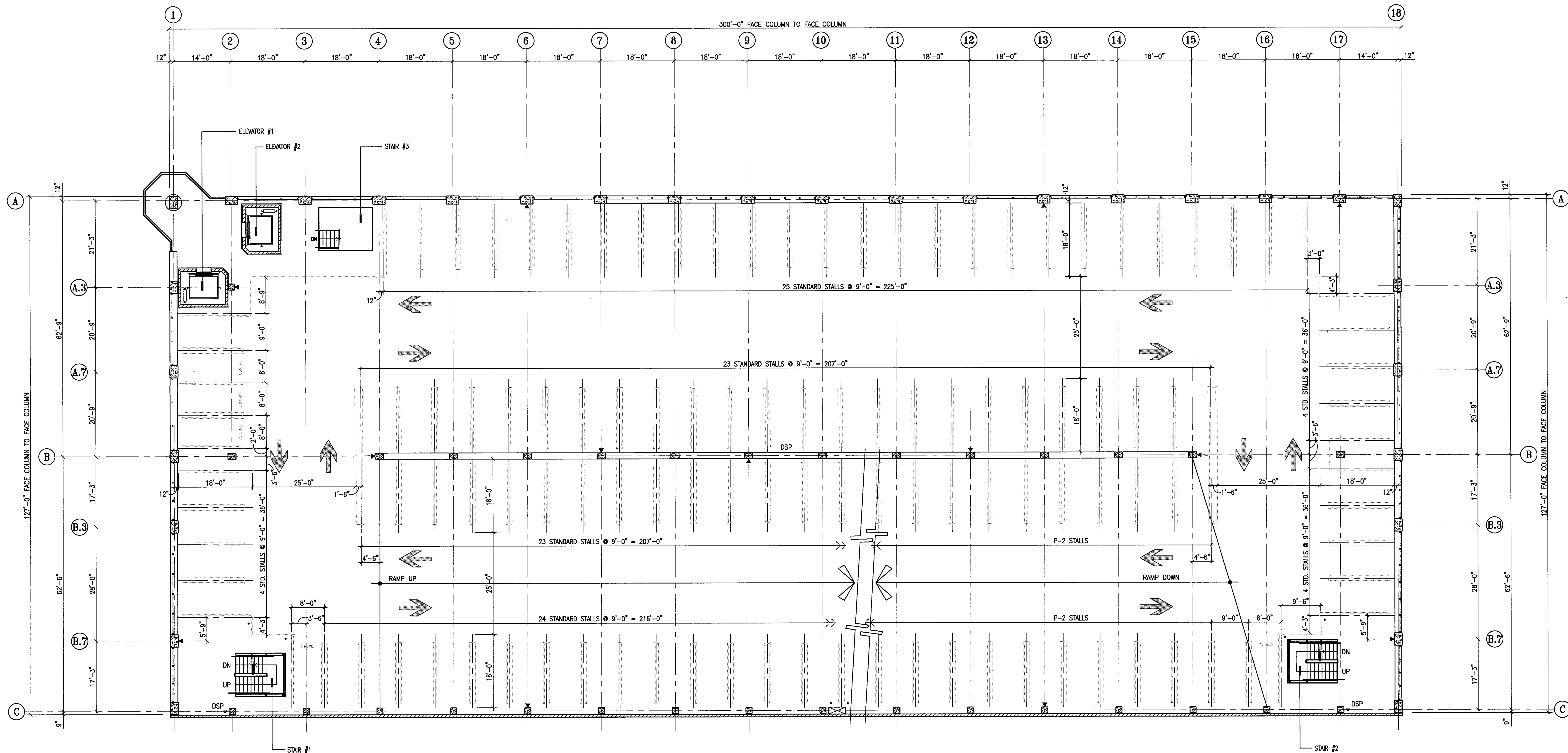
REVISIONS:	
11/29/04	PLANCHECK SET
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SHEET TITLE
LEVEL P-3 STRIPING PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-2-3	
PROGRAM NO.	R-NO.

DRAWING NO:
A-2.3
 PROJECT NO:
 HNA 2319



- STRIPING NOTES**
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 - SEE DETAIL 7/A-11.1 FOR PAINTED STOP SIGNS.
 - INDICATES FIRE EXTINGUISHERS W/CABINETS.

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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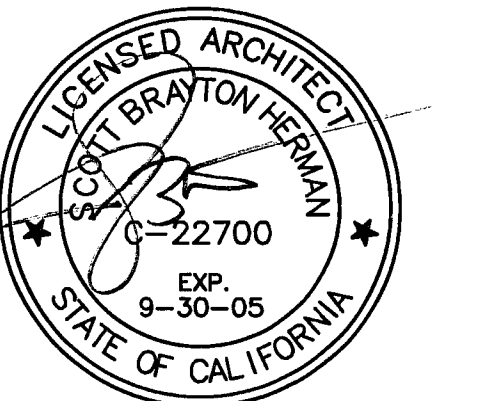
Plumbing Designer - Design/Builder
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 209.466.4601

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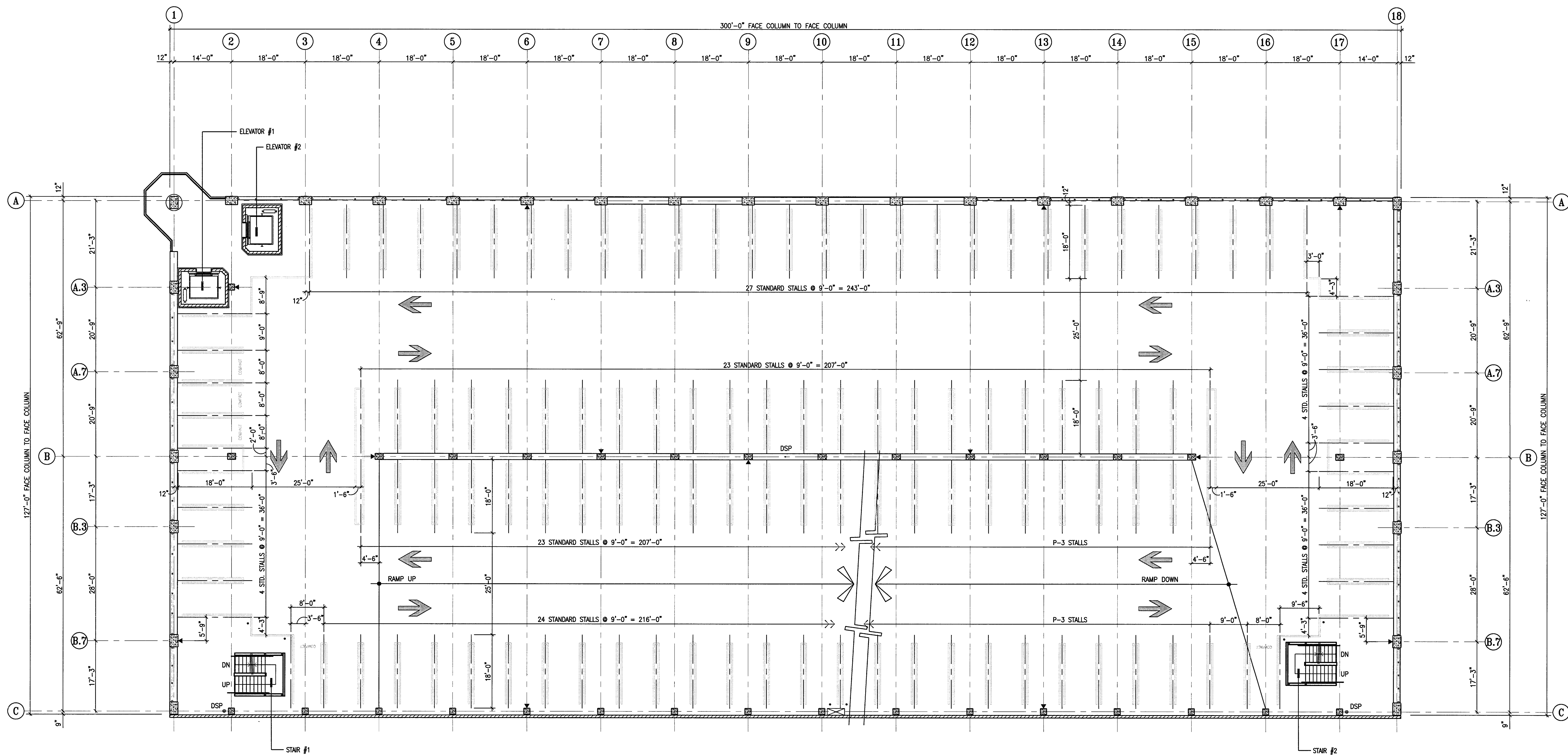
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11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
LEVEL P-4 STRIPING PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-2-4	
PROGRAM NO.	R-NO.

DRAWING NO:
A-2.4
 PROJECT NO:
HNA 2319



- STRIPING NOTES**
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 - SEE DETAIL 4/A-11.1 FOR TRAFFIC ARROWS.
 - SEE DETAIL 5/A-11.1 FOR CONC. WHEELSTOPS.
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 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.

LEVEL P-4 STRIPING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
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Collins Electrical
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 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Tumpike Road
 Stockton, California 95201
 209.466.4601

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REVISIONS:

11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

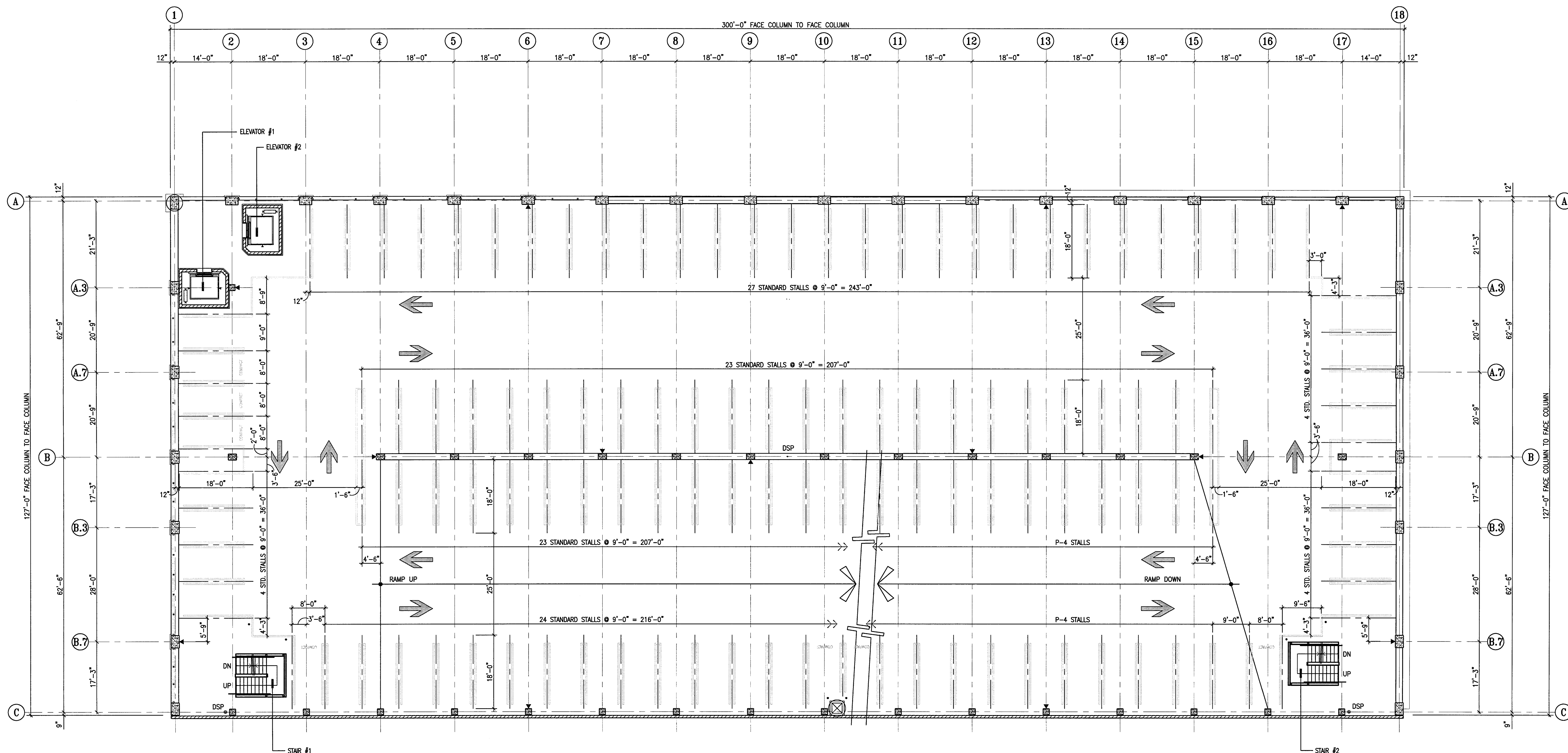


SHEET TITLE

LEVEL P-5 STRIPING PLAN

DATE	SCALE
29. NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-2-5	
PROGRAM NO.	R.NO.

DRAWING NO:
A-25
 PROJECT NO:
HNA 2319



- STRIPING NOTES**
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 - SEE DETAIL 4/A-11.1 FOR TRAFFIC ARROWS.
 - SEE DETAIL 5/A-11.1 FOR CONC. WHEELSTOPS.
 - SEE DETAIL 7/A-11.1 FOR PAINTED STOP SIGNS.
 - INDICATES FIRE EXTINGUISHERS W/CABINETS.

true north plan north

LEVEL P-5 STRIPING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

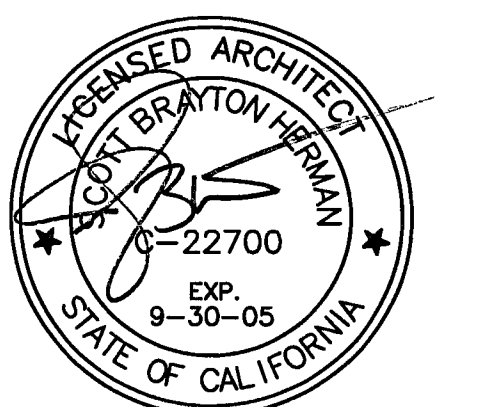
OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Wisteria Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Parking Consultant
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 209. 466. 3691
 Mechanical Designer - Design/Builder
Comfort Air
 1607 Tumpke Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

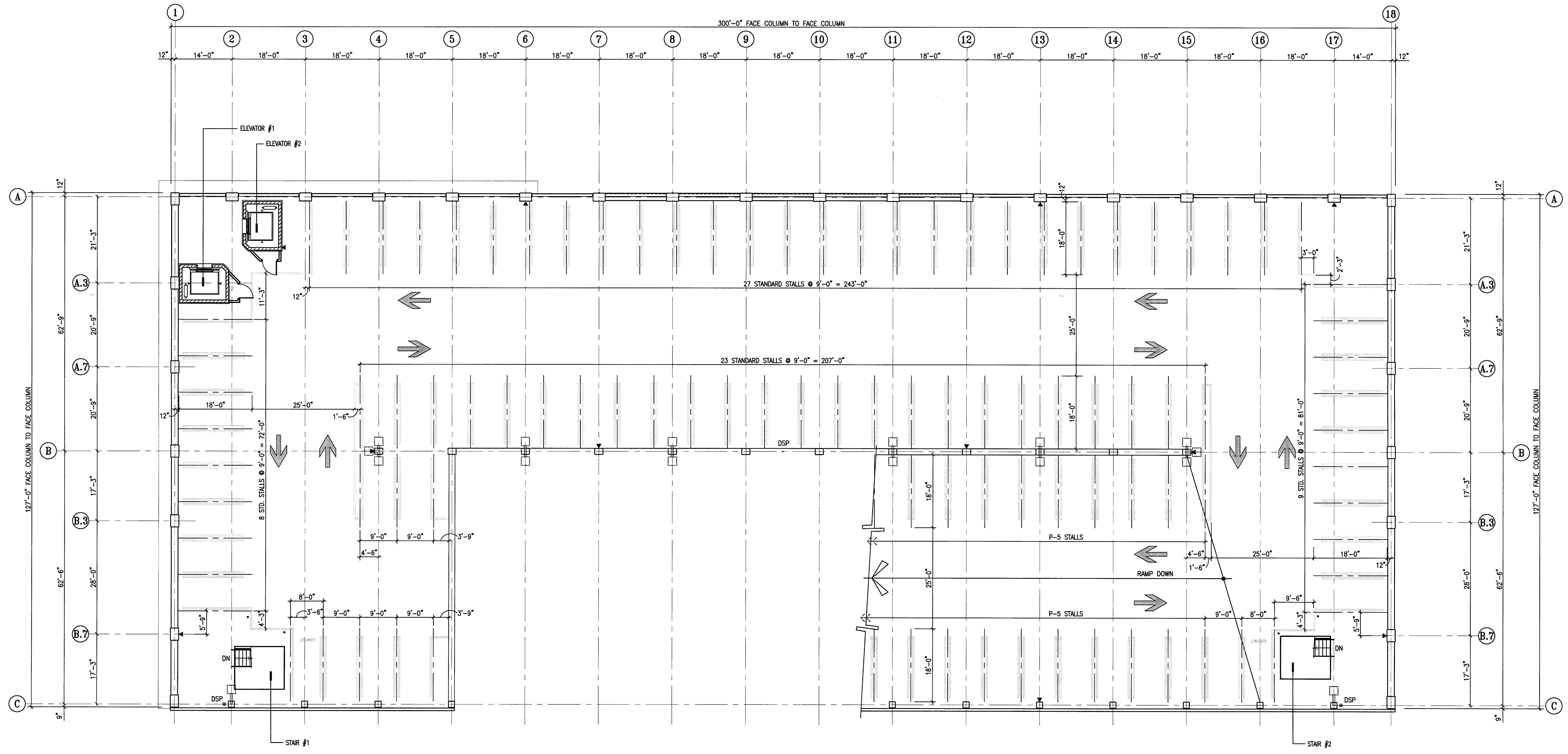
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11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



LEVEL P-6 STRIPING PLAN

DATE	29. NOV. 2004	SCALE	3/32" = 1'-0"
DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2319A-2-6	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-2.6
PROJECT NO:
 HNA 2319



- STRIPING NOTES**
- 90 DEGREE STANDARD STALLS ARE 9'-0" IN WIDTH AND ARE 18'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS
 - 90 DEGREE COMPACT STALLS ARE 9'-0" IN WIDTH AND ARE 15'-0" LONG, TYPICAL, U.N.O. SEE PLANS FOR STALL DIMENSIONS
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 - SEE DETAIL 4/A-11.1 FOR TRAFFIC ARROWS.
 - SEE DETAIL 5/A-11.1 FOR CONC. WHEELSTOPS.
 - SEE DETAIL 7/A-11.1 FOR PAINTED STOP SIGNS.
 - INDICATES FIRE EXTINGUISHERS W/CABINETS.

LEVEL P-6 STRIPING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
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 4945 Waterloo Road
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 209.931.3738

CONSULTANTS:
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 61 Sea Breeze Avenue
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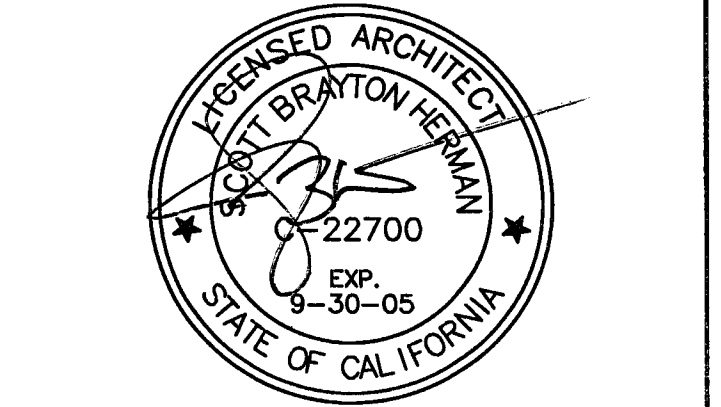
Plumbing Designer - Design/Builder
HRM Plumbing
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CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
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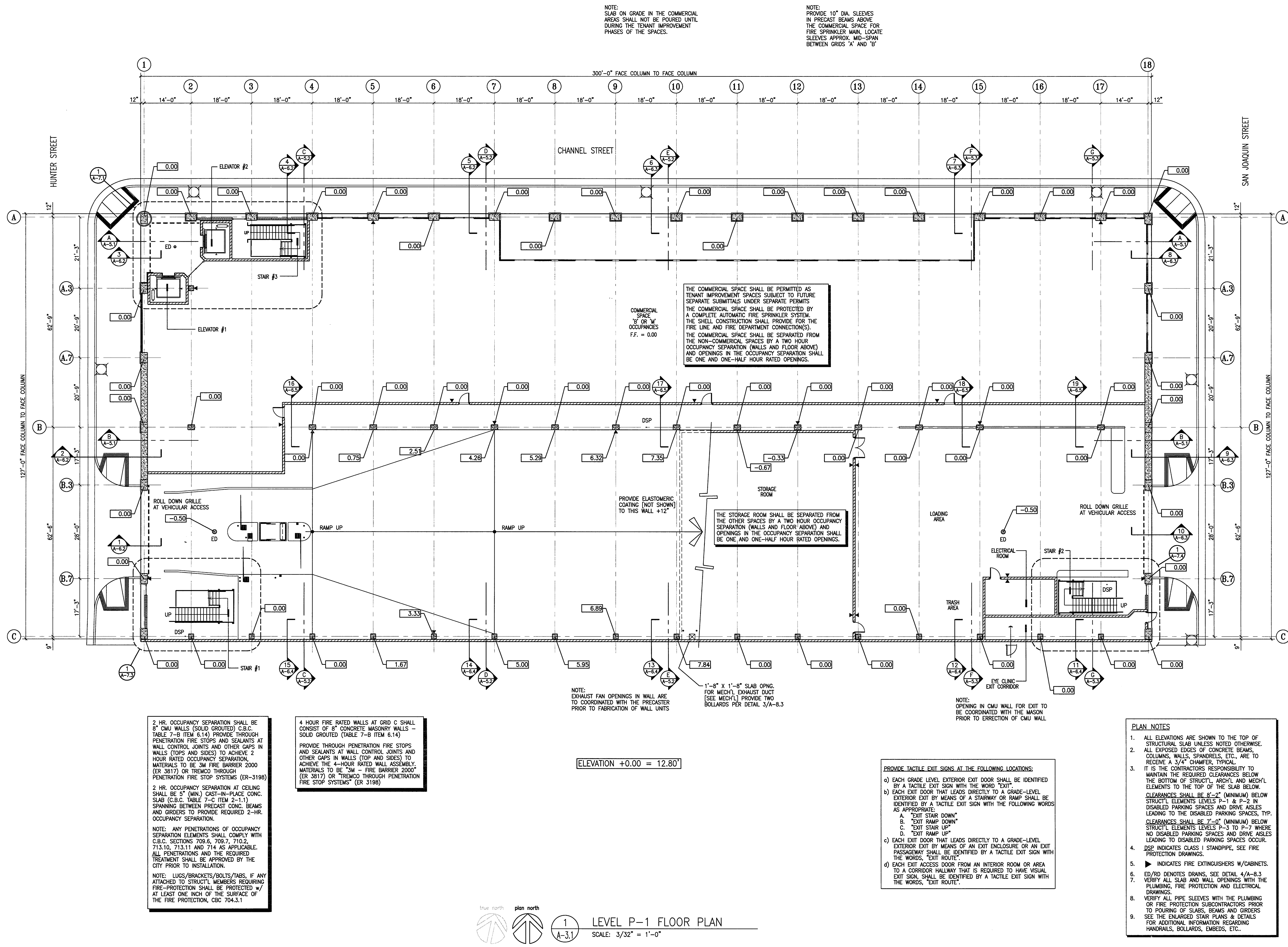


SHEET TITLE

LEVEL P-1 FLOOR PLAN

DATE	29, NOV. 2004	SCALE	3/32" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-3-1	SHEET	
PROGRAM NO.	R-NO.		

DRAWING NO:
A-3.1
 PROJECT NO:
 HNA 2319



NOTE:
 SLAB ON GRADE IN THE COMMERCIAL
 AREAS SHALL NOT BE POURED UNTIL
 DURING THE TENANT IMPROVEMENT
 PHASES OF THE SPACES.

NOTE:
 PROVIDE 10" DIA SLEEVES
 IN PRECAST BEAMS ABOVE
 THE COMMERCIAL SPACE FOR
 FIRE SPRINKLER MAIN, LOCATE
 SLEEVES APPROX. MID-SPAN
 BETWEEN GRIDS 'A' AND 'B'

THE COMMERCIAL SPACE SHALL BE PERMITTED AS
 TENANT IMPROVEMENT SPACES SUBJECT TO FUTURE
 SEPARATE SUBMITTALS UNDER SEPARATE PERMITS.
 THE COMMERCIAL SPACE SHALL BE PROTECTED BY
 A COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM.
 THE SHELL CONSTRUCTION SHALL PROVIDE FOR THE
 FIRE LINE AND FIRE DEPARTMENT CONNECTION(S).
 THE COMMERCIAL SPACE SHALL BE SEPARATED FROM
 THE NON-COMMERCIAL SPACES BY A TWO HOUR
 OCCUPANCY SEPARATION (WALLS AND FLOOR ABOVE)
 AND OPENINGS IN THE OCCUPANCY SEPARATION SHALL
 BE ONE AND ONE-HALF HOUR RATED OPENINGS.

THE STORAGE ROOM SHALL BE SEPARATED FROM
 THE OTHER SPACES BY A TWO HOUR OCCUPANCY
 SEPARATION (WALLS AND FLOOR ABOVE) AND
 OPENINGS IN THE OCCUPANCY SEPARATION SHALL
 BE ONE AND ONE-HALF HOUR RATED OPENINGS.

NOTE:
 EXHAUST FAN OPENINGS IN WALL ARE
 TO BE COORDINATED WITH THE PRECASTER
 PRIOR TO FABRICATION OF WALL UNITS

NOTE:
 1'-8" X 1'-8" SLAB OPNG.
 FOR MECH'L EXHAUST DUCT
 (SEE MECH'L) PROVIDE TWO
 BOLLARDS PER DETAIL 3/A-8.3

NOTE:
 OPENING IN CMU WALL FOR EXIT TO
 BE COORDINATED WITH THE MASON
 PRIOR TO ERECTION OF CMU WALL

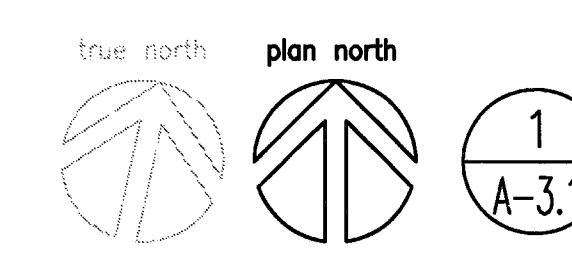
2 HR. OCCUPANCY SEPARATION SHALL BE 2" MIN. CMU WALLS (SOLID GROUTED) C.B.C. TABLE 7-B ITEM 6.14) PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOPS AND SIDES) TO ACHIEVE 2 HOUR RATED OCCUPANCY SEPARATION. MATERIALS TO BE 3M FIRE BARRIER 2000 (ER 3817) OR TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS (ER-3198)

4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14) PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE 3M - FIRE BARRIER 2000 (ER 3817) OR TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS* (ER 3198)

2 HR. OCCUPANCY SEPARATION AT CEILING SHALL BE 5" (MIN.) CAST-IN-PLACE CONC. SLAB (C.B.C. TABLE 7-C ITEM 2-1.1) SPANNING BETWEEN PRECAST CONC. BEAMS AND GIRDERS TO PROVIDE REQUIRED 2-HR. OCCUPANCY SEPARATION.

NOTE: ANY PENETRATIONS OF OCCUPANCY SEPARATION ELEMENTS SHALL COMPLY WITH C.B.C. SECTIONS 709.6, 709.7, 710.2, 713.10, 713.11 AND 714 AS APPLICABLE. ALL PENETRATIONS AND THE REQUIRED TREATMENT SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION.

NOTE: LUGS/BRAKETS/BOLTS/TABS, IF ANY ATTACHED TO STRUCT'L MEMBERS REQUIRING FIRE-PROTECTION SHALL BE PROTECTED w/ AT LEAST ONE INCH OF THE SURFACE OF THE FIRE PROTECTION, CBC 704.3.1



LEVEL P-1 FLOOR PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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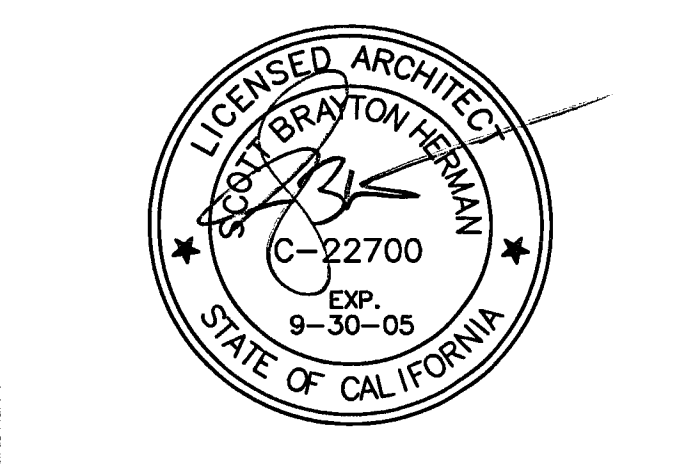
Electrical Designer - Design/Builder
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CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHECK SET
3/11/05	PERMIT SET



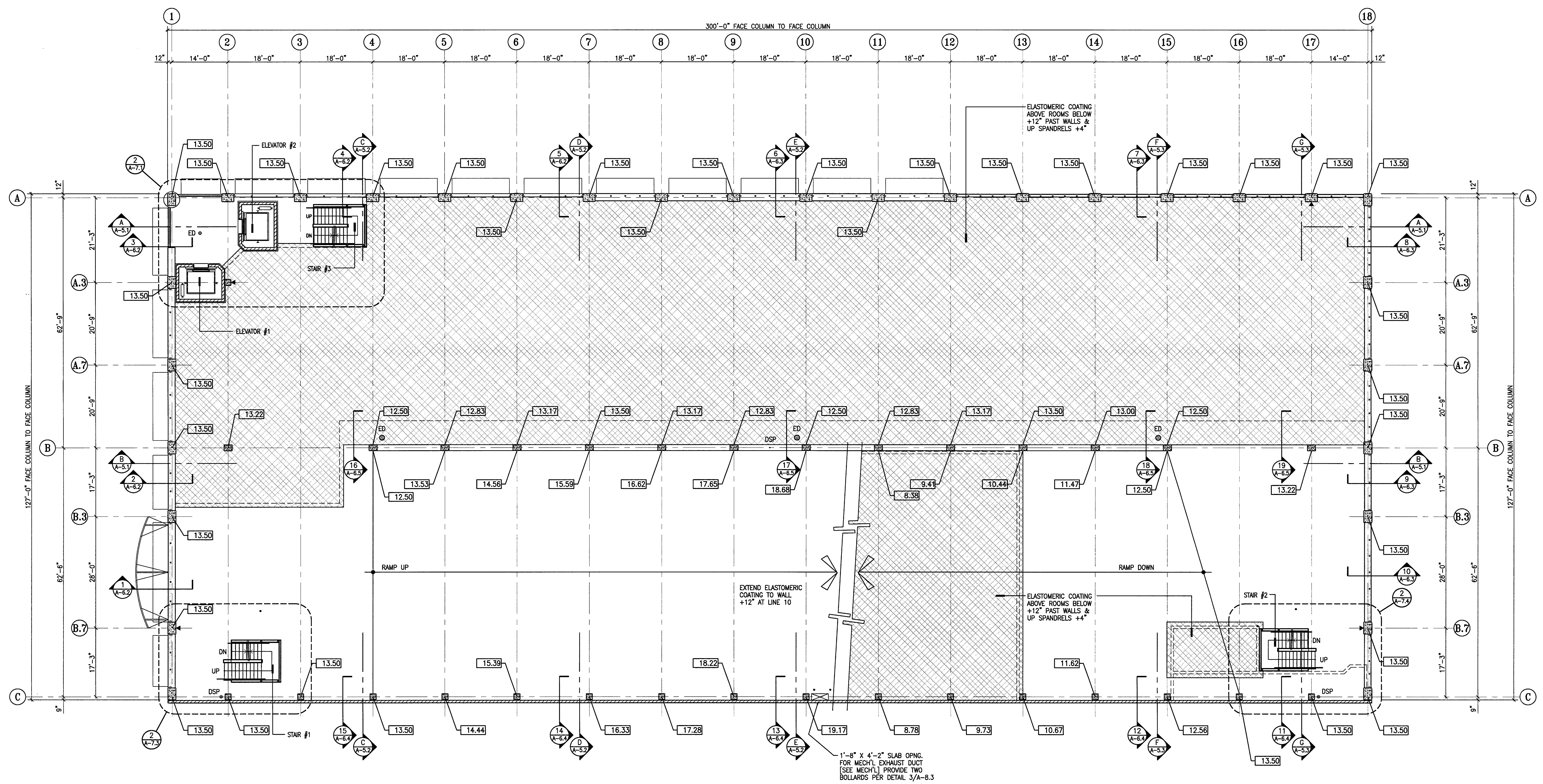
SHEET TITLE

LEVEL P-2 FLOOR PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-3-2	
PROGRAM NO.	R-NO.

DRAWING NO:
A-3.2

PROJECT NO:
 HNA 2319



4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)

PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "SM - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

ELEVATION +0.00 = 12.80'

- PLAN NOTES**
- ALL ELEVATIONS ARE SHOWN TO THE TOP OF STRUCTURAL SLAB UNLESS NOTED OTHERWISE.
 - ALL EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS, WALLS, SPANDRELS, ETC., ARE TO RECEIVE A 3/4" CHAMFER, TYPICAL.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE REQUIRED CLEARANCES BELOW THE BOTTOM OF STRUCT'L ARCH'L AND MECH'L ELEMENTS TO THE TOP OF THE SLAB BELOW. CLEARANCES SHALL BE 6'-2" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-1 & P-2 IN DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO THE DISABLED PARKING SPACES, TYP. CLEARANCES SHALL BE 7'-0" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-3 TO P-2 WHERE NO DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO DISABLED PARKING SPACES OCCUR.
 - DSP INDICATES CLASS I STANDPIPE. SEE FIRE PROTECTION DRAWINGS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.
 - ED/RD DENOTES DRAINS. SEE DETAIL 4/A-8.3
 - VERIFY ALL SLAB AND WALL OPENINGS WITH THE PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
 - VERIFY ALL PIPE SLEEVES WITH THE PLUMBING OR FIRE PROTECTION SUBCONTRACTORS PRIOR TO POURING OF SLABS, BEAMS AND GIRDERS. SEE THE ENLARGED STAIR PLANS & DETAILS FOR ADDITIONAL INFORMATION REGARDING HANDRAILS, BOLLARDS, EMBEDS, ETC..

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Parking Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
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 530. 894. 5345

Civil Engineer
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 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

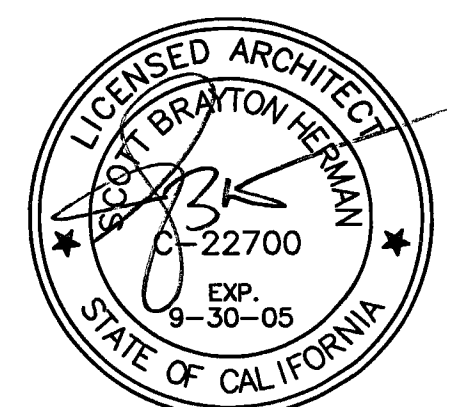
Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
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 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
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 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

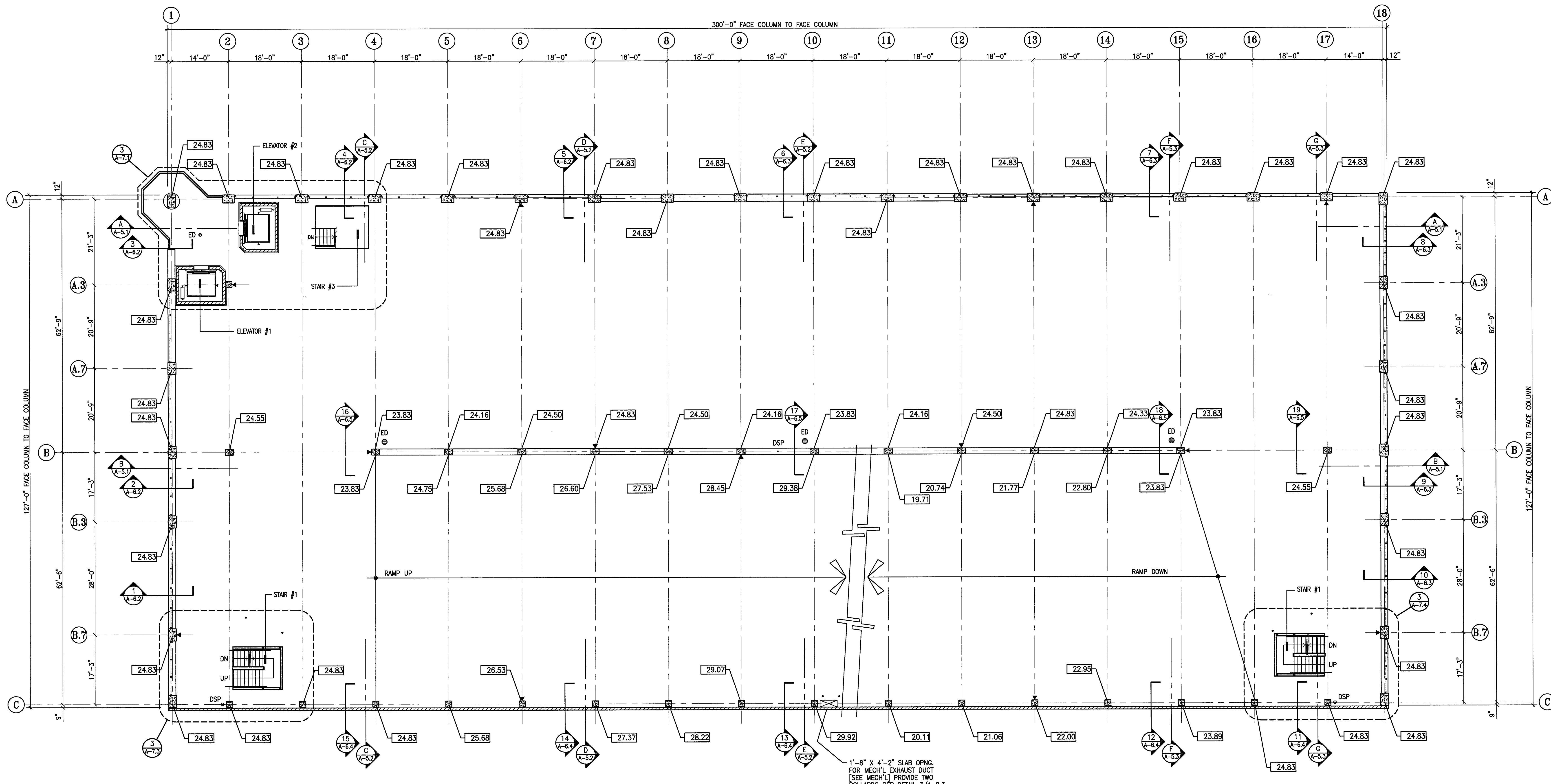


SHEET TITLE

LEVEL P-3 FLOOR PLAN

DATE	SCALE
29. NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-3-3	
PROGRAM NO.	R-NO.

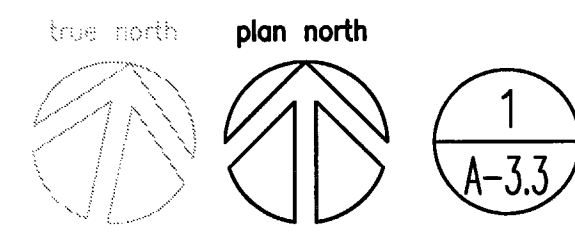
DRAWING NO:
A-3.3
 PROJECT NO:
 HNA 2319



4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)
 PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "SM - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

ELEVATION +0.00 = 12.80'

- PLAN NOTES**
- ALL ELEVATIONS ARE SHOWN TO THE TOP OF STRUCTURAL SLAB UNLESS NOTED OTHERWISE.
 - ALL EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS, WALLS, SPANDRELS, ETC., ARE TO RECEIVE A 3/4" CHAMFER, TYPICAL.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN THE REQUIRED CLEARANCES BELOW THE BOTTOM OF STRUCT'L, ARCH'L AND MECH'L ELEMENTS TO THE TOP OF THE SLAB BELOW. CLEARANCES SHALL BE 2" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-1 & P-2 IN DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO THE DISABLED PARKING SPACES, TYP. CLEARANCES SHALL BE 7'-0" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-3 TO P-7 WHERE NO DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO DISABLED PARKING SPACES OCCUR.
 - DSP INDICATES CLASS I STANDPIPE, SEE FIRE PROTECTION DRAWINGS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.
 - ED/RD DENOTES DRAINS, SEE DETAIL 4/A-8.3
 - VERIFY ALL SLAB AND WALL OPENINGS WITH THE PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
 - VERIFY ALL PIPE SLEEVES WITH THE PLUMBING OR FIRE PROTECTION SUBCONTRACTORS PRIOR TO POURING OF SLABS, BEAMS AND GIRDERS. SEE THE ENLARGED STAIR PLANS & DETAILS FOR ADDITIONAL INFORMATION REGARDING HANDRAILS, BOLLARDS, EMBEDS, ETC..



LEVEL P-3 FLOOR PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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 City of Stockton

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CE Engineer
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 209.943.2021

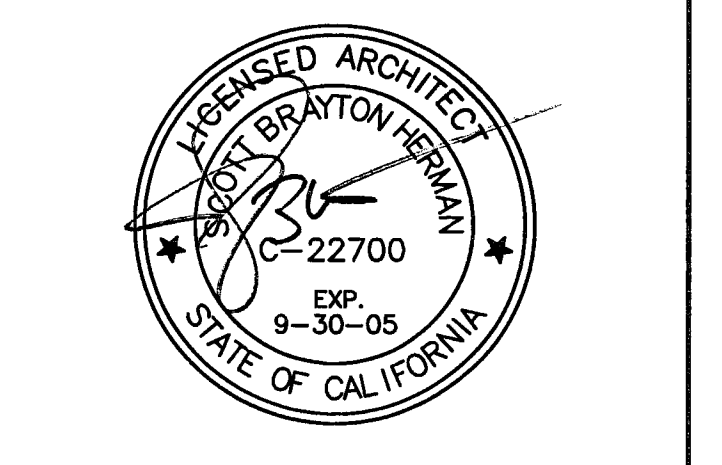
Plumbing Designer - Design/Builder
HRM Plumbing
 9650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
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 209.466.4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

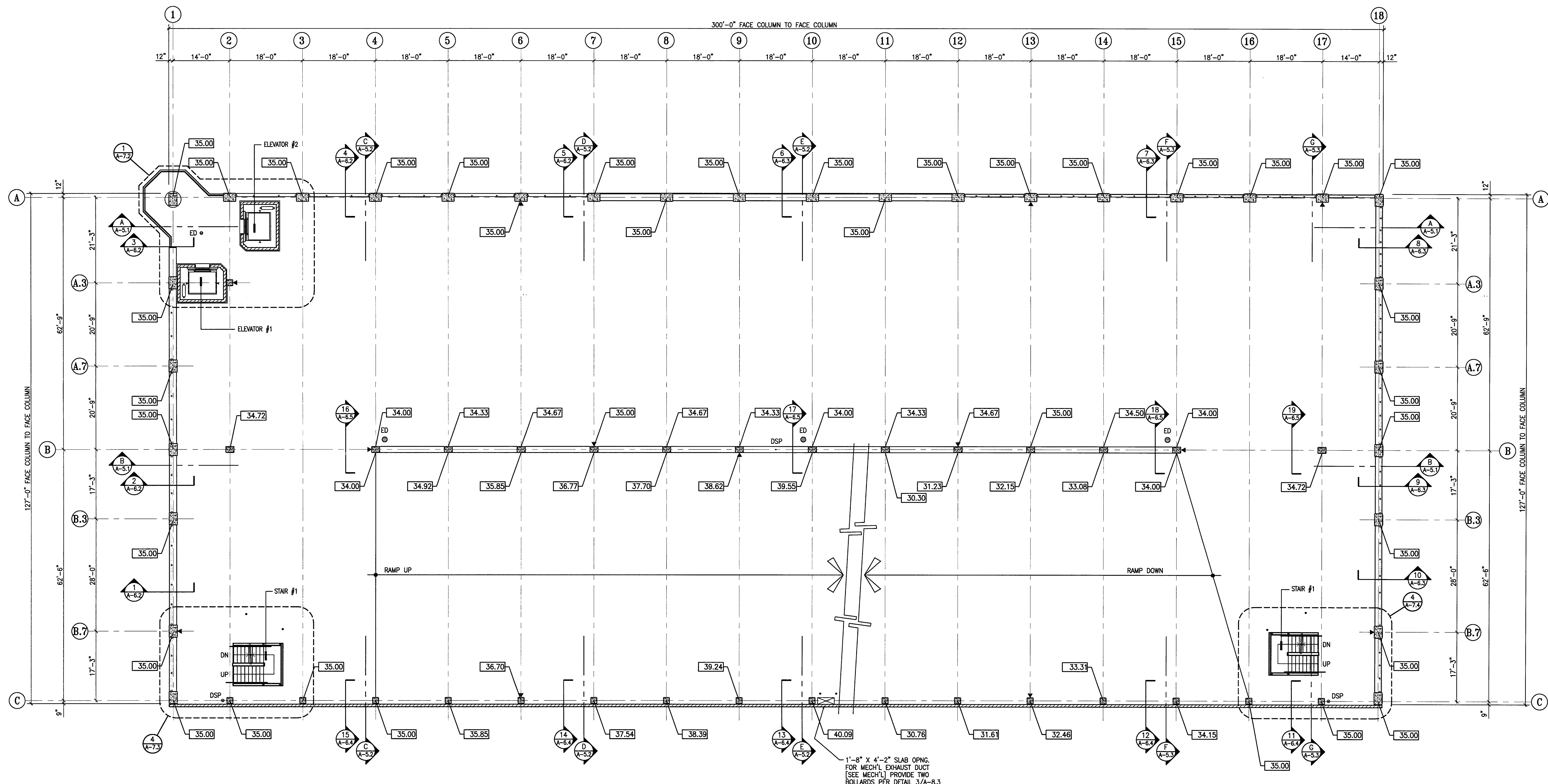


SHEET TITLE

LEVEL P-4 FLOOR PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-3-4	
PROGRAM NO.	R-NO.

DRAWING NO:
A-3.4
 PROJECT NO:
 HNA 2319



4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)
 PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "SM - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

ELEVATION +0.00 = 12.80'

- PLAN NOTES**
- ALL ELEVATIONS ARE SHOWN TO THE TOP OF STRUCTURAL SLAB UNLESS NOTED OTHERWISE.
 - ALL EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS, WALLS, SPANDRELS, ETC., ARE TO RECEIVE A 3/4" CHAMFER, TYPICAL.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE REQUIRED CLEARANCES BELOW THE BOTTOM OF STRUCT'L ARCH'L AND MECH'L ELEMENTS TO THE TOP OF THE SLAB BELOW. CLEARANCES SHALL BE 8'-2" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-1 & P-2 IN DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO THE DISABLED PARKING SPACES, TYP. CLEARANCES SHALL BE 7'-0" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-3 TO P-7 WHERE NO DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO DISABLED PARKING SPACES OCCUR.
 - DSP INDICATES CLASS I STANDPIPE, SEE FIRE PROTECTION DRAWINGS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.
 - ED/RD DENOTES DRAINS, SEE DETAIL 4/A-B.3
 - VERIFY ALL SLAB AND WALL OPENINGS WITH THE PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
 - VERIFY ALL PIPE SLEEVES WITH THE PLUMBING OR FIRE PROTECTION SUBCONTRACTORS PRIOR TO POURING OF SLABS, BEAMS AND GIRDERS
 - SEE THE ENLARGED STAIR PLANS & DETAILS FOR ADDITIONAL INFORMATION REGARDING HANDRAILS, BOLLARDS, EMBEDS, ETC..

CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
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4945 Waterloo Road
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Rancho Palos Verdes, California 90275
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Stockton, California 95204
209. 943. 2021

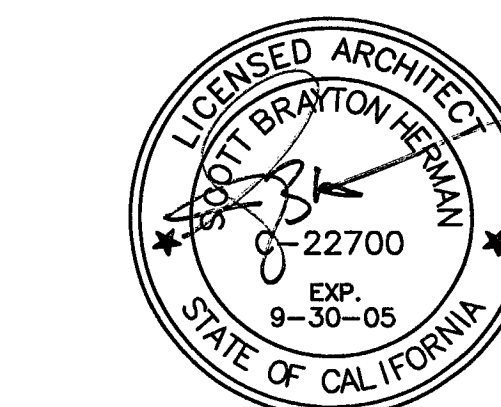
Plumbing Designer - Design/Builder:
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

Electrical Designer - Design/Builder:
Collins Electrical
611 W. Fremont Street
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209. 466. 3691

Mechanical Designer - Design/Builder:
Comfort Air
1607 Turnpike Road
Stockton, California 95201
209. 466. 4601

CONST. DOCUMENTS

REVISIONS:
11/29/04 PLANCHECK SET
3/11/05 PERMIT SET

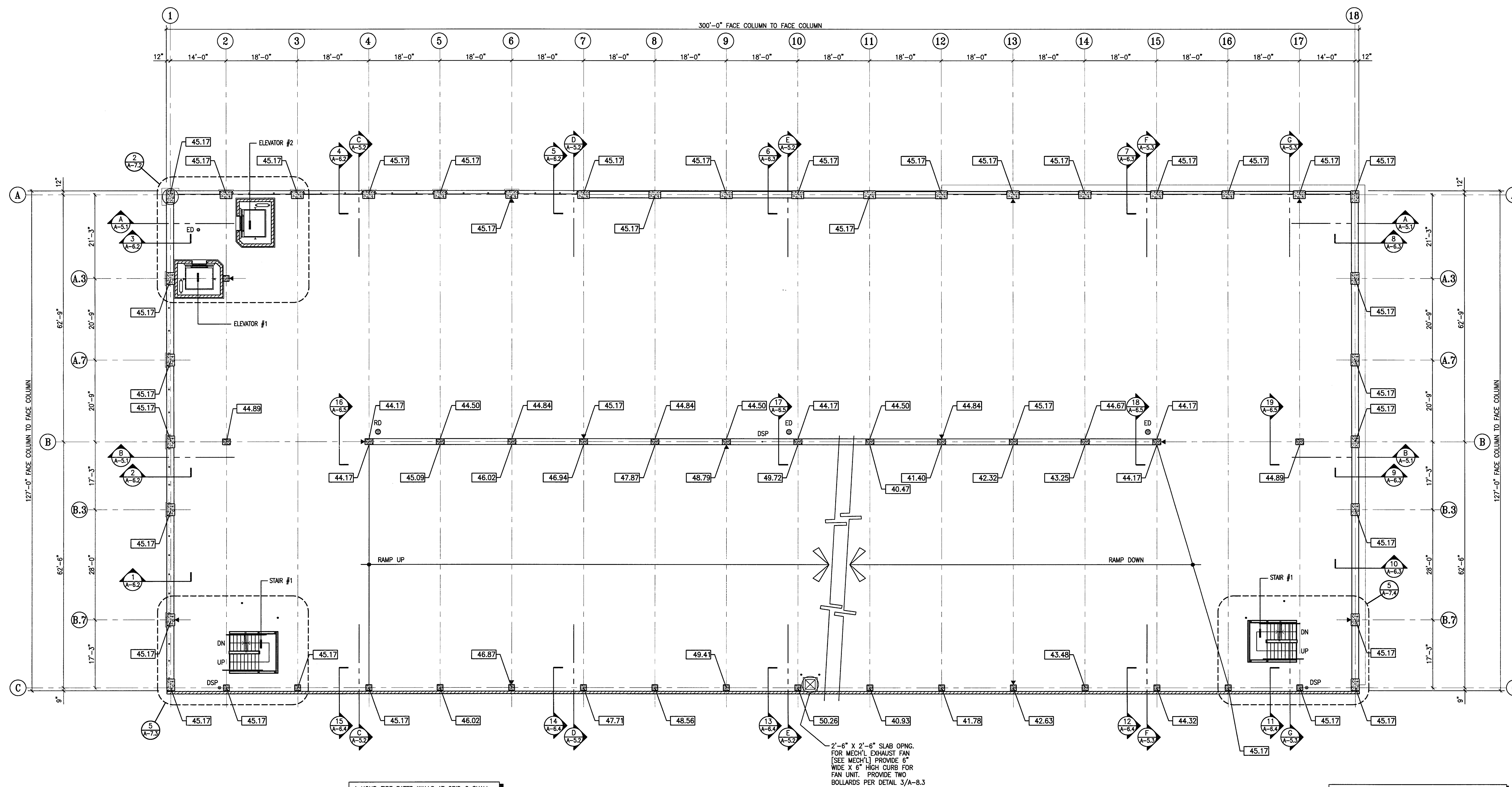


SHEET TITLE

LEVEL P-5 FLOOR PLAN

DATE 29, NOV. 2004	SCALE 3/32" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-3.5	SHEET
PROGRAM NO.	R-NO.

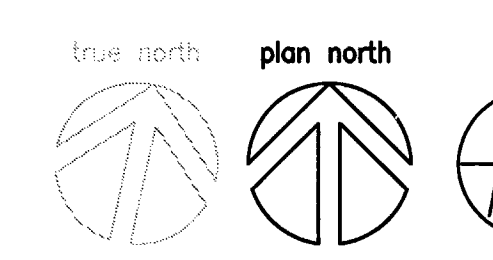
DRAWING NO:
A-3.5
PROJECT NO:
HNA 2319



4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)

PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "SM - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

- ### PLAN NOTES
- ALL ELEVATIONS ARE SHOWN TO THE TOP OF STRUCTURAL SLAB UNLESS NOTED OTHERWISE.
 - ALL EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS, WALLS, SPANDRELS, ETC., ARE TO RECEIVE A 3/4" CHAMFER, TYPICAL.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE REQUIRED CLEARANCES BELOW THE BOTTOM OF STRUCT'L ARCH'L AND MECH'L ELEMENTS TO THE TOP OF THE SLAB BELOW. CLEARANCES SHALL BE 8'-2" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-1 & P-2 IN DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO THE DISABLED PARKING SPACES, TYP. CLEARANCES SHALL BE 7'-0" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-3 TO P-7 WHERE NO DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO DISABLED PARKING SPACES OCCUR.
 - DSP INDICATES CLASS I STANDPIPE. SEE FIRE PROTECTION DRAWINGS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.
 - ED/RD DENOTES DRAINS. SEE DETAIL 4/A-8.3
 - VERIFY ALL SLAB AND WALL OPENINGS WITH THE PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
 - VERIFY ALL PIPE SLEEVES WITH THE PLUMBING OR FIRE PROTECTION SUBCONTRACTORS PRIOR TO POURING OF SLABS, BEAMS AND ORDERS. SEE THE ENLARGED STAIR PLANS & DETAILS FOR ADDITIONAL INFORMATION REGARDING HANDRAILS, BOLLARDS, EMBEDS, ETC..



1
A-3.5
LEVEL P-5 FLOOR PLAN
SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Planning Consultant
 HNA Pacific
 61 Sea Breeze Avenue
 Rancho Palms Verdes, California 90275
 310. 644. 8670

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 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 6345

Civil Engineer
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 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

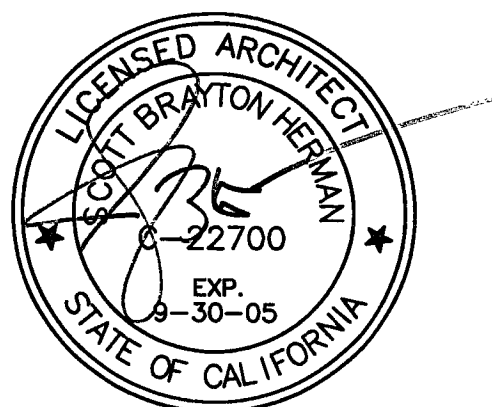
Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

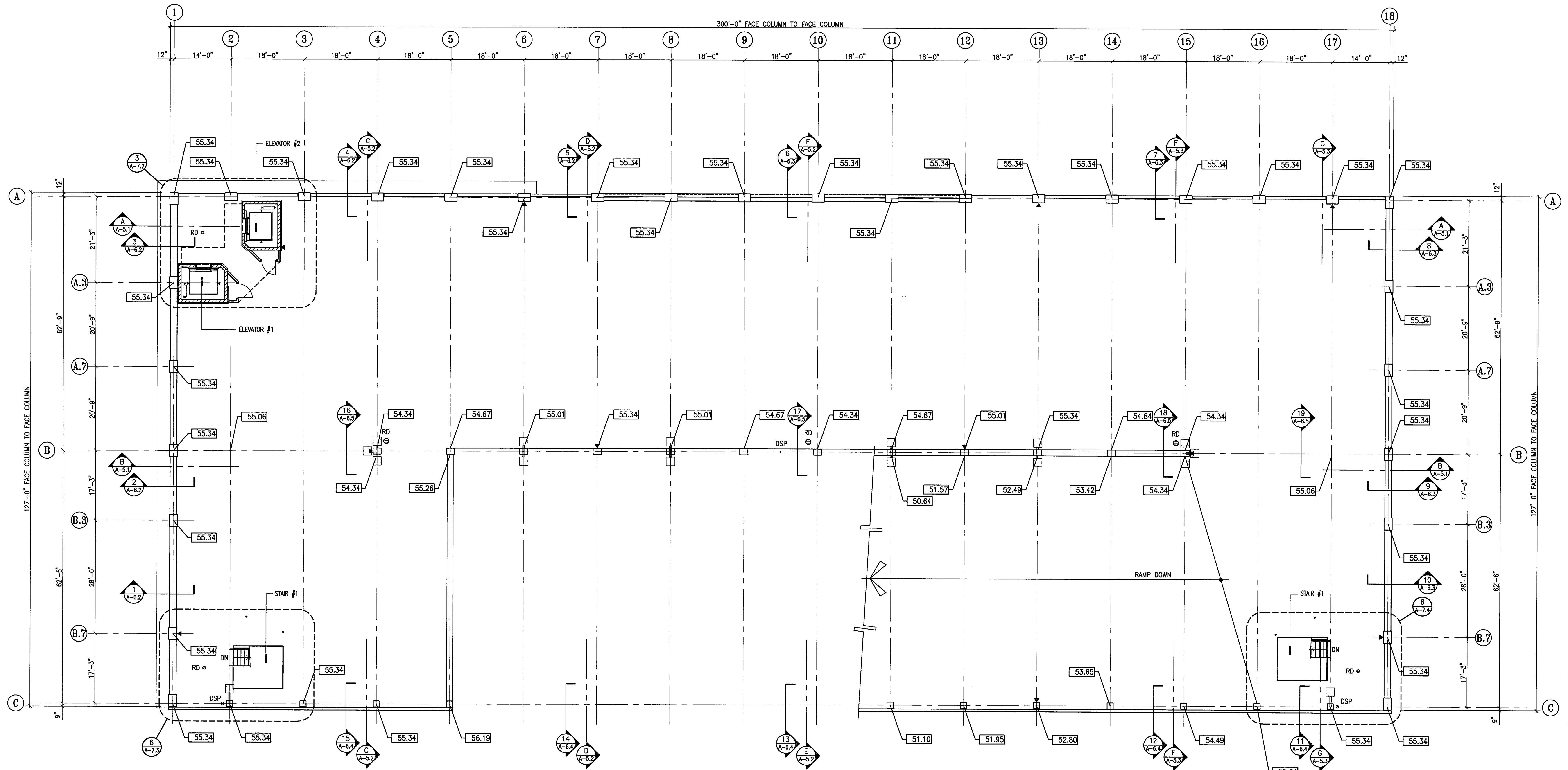


SHEET TITLE

LEVEL P-6 FLOOR PLAN

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-3-6	
PROGRAM NO.	R-NO.

DRAWING NO:
A-3.6
 PROJECT NO:
 H N A 2319



4 HOUR FIRE RATED WALLS AT GRID C SHALL CONSIST OF 8" CONCRETE MASONRY WALLS - SOLID GROUTED (TABLE 7-B ITEM 6.14)
 PROVIDE THROUGH PENETRATION FIRE STOPS AND SEALANTS AT WALL CONTROL JOINTS AND OTHER GAPS IN WALLS (TOP AND SIDES) TO ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY. MATERIALS TO BE "3M - FIRE BARRIER 2000" (ER 3817) OR "TREMCO THROUGH PENETRATION FIRE STOP SYSTEMS" (ER 3198)

ELEVATION +0.00 = 12.80'

- PLAN NOTES**
- ALL ELEVATIONS ARE SHOWN TO THE TOP OF STRUCTURAL SLAB UNLESS NOTED OTHERWISE.
 - ALL EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS, WALLS, SPANDRELS, ETC., ARE TO RECEIVE A 3/4" CHAMFER, TYPICAL.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE REQUIRED CLEARANCES BELOW THE BOTTOM OF STRUCT'L ARCH'L AND MECH'L ELEMENTS TO THE TOP OF THE SLAB BELOW. CLEARANCES SHALL BE 9'-2" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-1 & P-2 IN DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO THE DISABLED PARKING SPACES, TYP. CLEARANCES SHALL BE 7'-0" (MINIMUM) BELOW STRUCT'L ELEMENTS LEVELS P-3 TO P-7 WHERE NO DISABLED PARKING SPACES AND DRIVE AISLES LEADING TO DISABLED PARKING SPACES OCCUR.
 - DSP INDICATES CLASS 1 STANDPIPE, SEE FIRE PROTECTION DRAWINGS.
 - ▶ INDICATES FIRE EXTINGUISHERS W/CABINETS.
 - ED/RD DENOTES DRAINS, SEE DETAIL 4/A-B.3
 - VERIFY ALL SLAB AND WALL OPENINGS WITH THE PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
 - VERIFY ALL PIPE SLEEVES WITH THE PLUMBING OR FIRE PROTECTION SUBCONTRACTORS PRIOR TO POURING OF SLABS, BEAMS AND GIRDERS
 - SEE THE ENLARGED STAIR PLANS & DETAILS FOR ADDITIONAL INFORMATION REGARDING HANDRAILS, BOLLARDS, EMBEDS, ETC..

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Permit Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
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 Design Architect
Wesell Matthies Bowe
 246 E. Wash Street
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 Structural Engineer
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 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

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HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

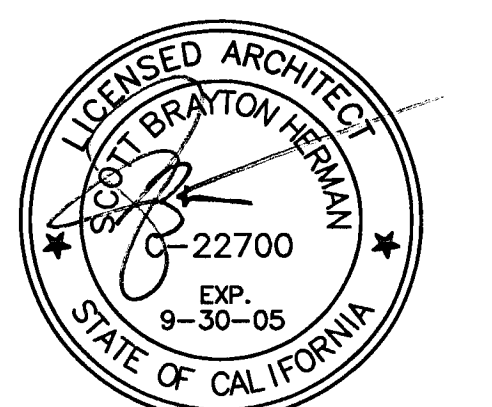
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

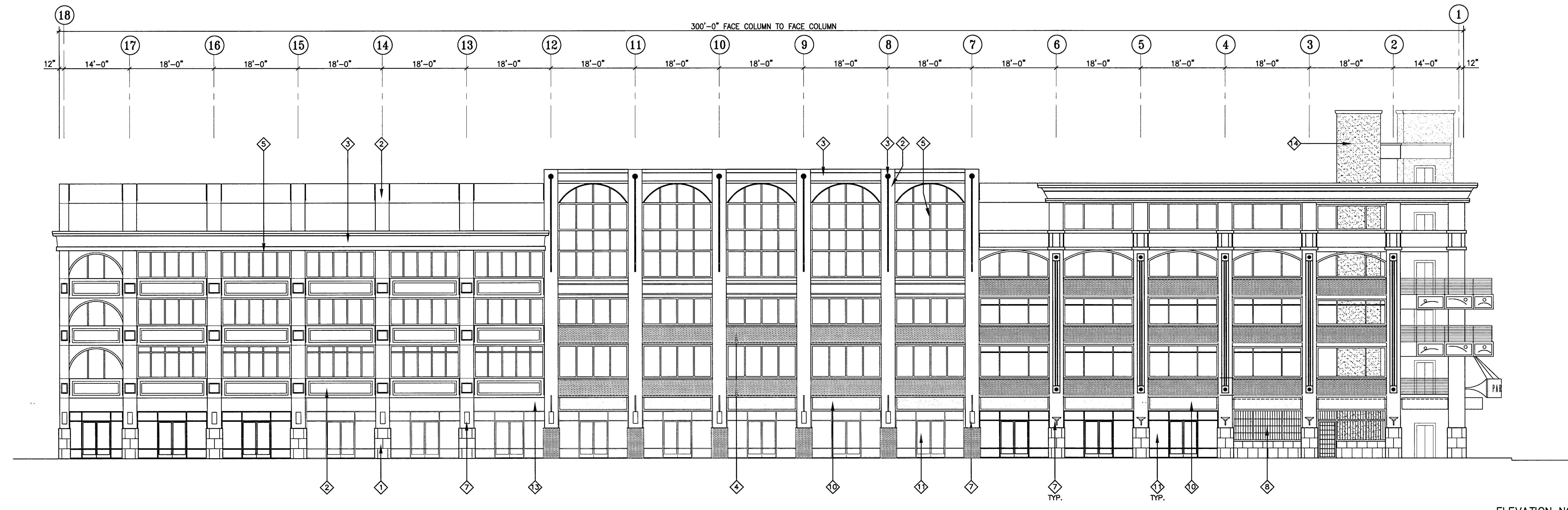
11/29/04	PLANCHECK SET
3/11/05	PERMIT SET



SHEET TITLE
BUILDING ELEVATIONS

DATE	29, NOV. 2004	SCALE	3/32" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-4-1	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-4.1
 PROJECT NO:
HNA 2319

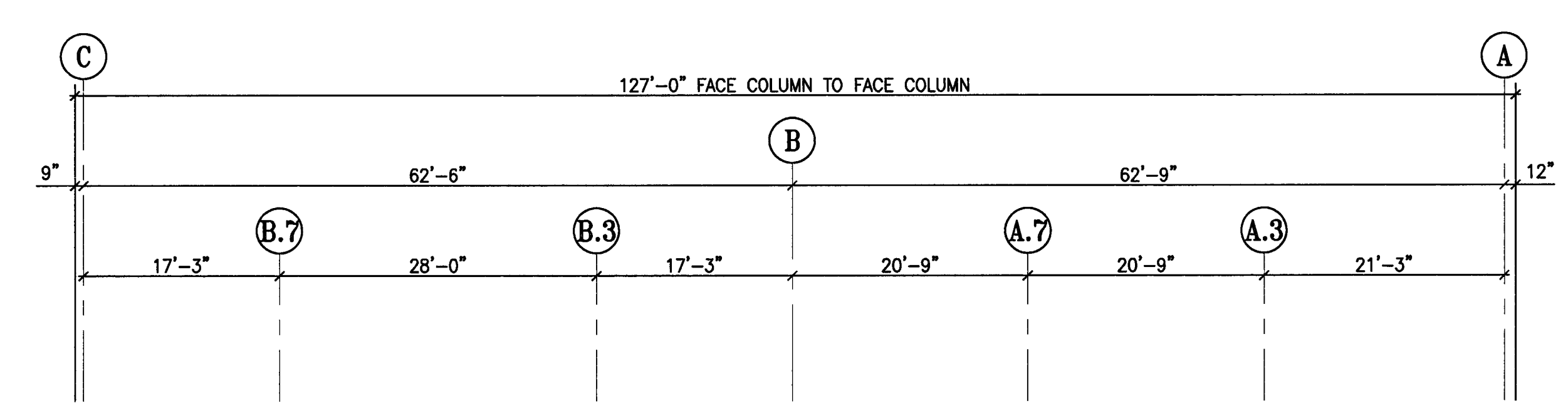


3 NORTH ELEVATION
 SCALE: 3/32" = 1'-0"

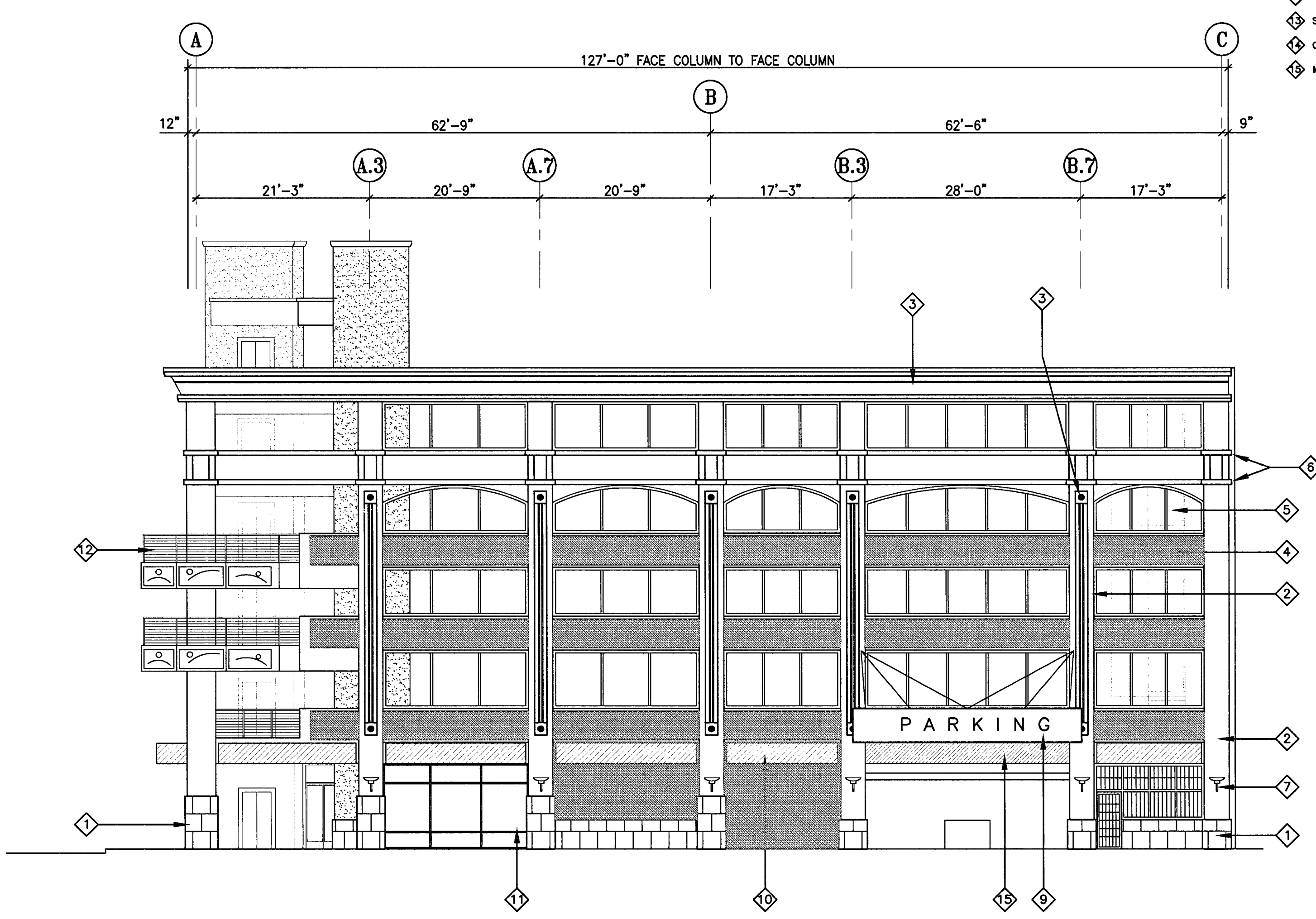
PROVIDE BUILDING ADDRESS IDENTIFICATION PER C.B.C. SECTION 502 AND THE CITY OF STOCKTON FIRE DEPARTMENT. LOCATE BUILDING ADDRESS ON THE BUILDING IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET. APPROVED ADDRESS TO BE LOCATED WITH FIRE DEPARTMENT APPROVAL PRIOR TO OCCUPANCY.

ELEVATION NOTES

- 1 CERAMIC TILE WANSBOTT
- 2 PAINTED CONCRETE
- 3 EPS MOLDING SYSTEM ON/ CONCRETE
- 4 THIN BRICK VENEER
- 5 PREFINISHED ALUMINUM TUBE FRAMING
- 6 EPS MOLDING SYSTEM COLUMN WRAP
- 7 DECORATIVE WALL SCIENCE
- 8 IRON GRATING - PAINTED
- 9 VEHICULAR ENTRY CANOPY
- 10 ORNAMENTAL METAL CANOPIES BY PUBLIC ARTIST
- 11 ALUMINUM / GLASS STOREFRONT SYSTEM
- 12 TUBE STEEL RAILING
- 13 STUCCO SOFFIT ON/ LT. GAUGE METAL FRAMING
- 14 CMU W/ STUCCO SKIN COAT
- 15 METAL PANEL ON/ ROLL DOWN DOOR



2 EAST ELEVATION
 SCALE: 3/32" = 1'-0"



1 WEST ELEVATION
 SCALE: 3/32" = 1'-0"

**CITY
OF
STOCKTON
EDMUND S. 'ED'
COY
PARKING
STRUCTURE**

STOCKTON, CALIFORNIA

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City of Stockton

DESIGN BUILDER:
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209.931.3738

CONSULTANTS:
Architect - Permit Consultant
HNA / Pacific
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Rancho Palos Verdes, California 90275
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Stockton, California 95202
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Structural Engineer
Jessen-Wright Structural Engineers
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Chico, California 95926
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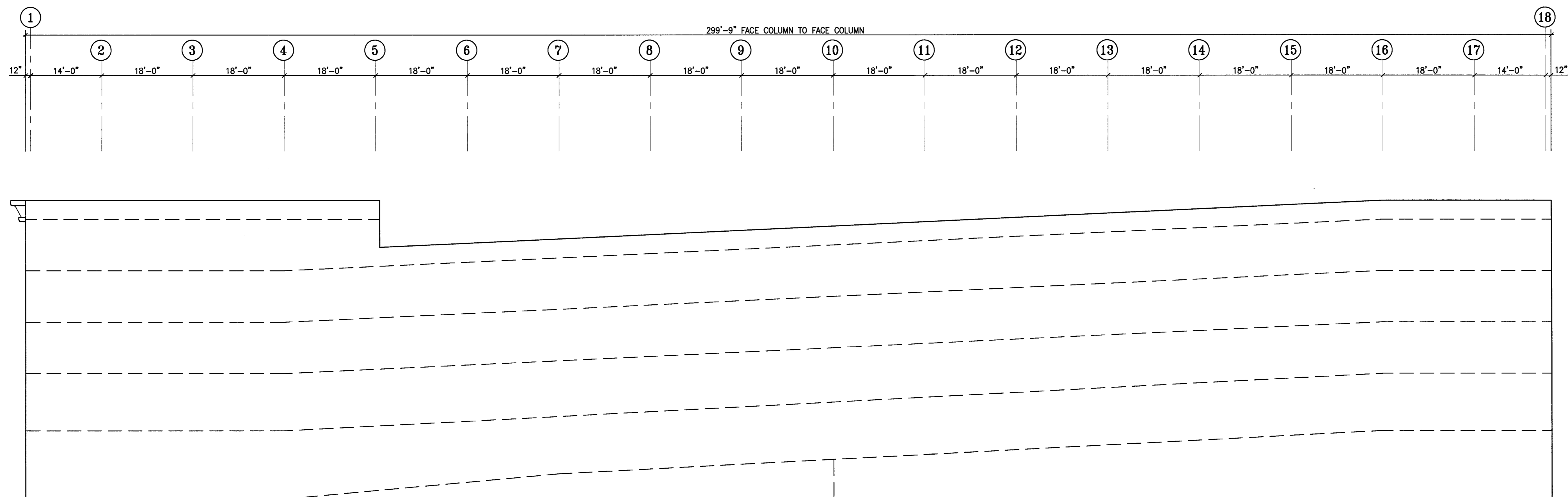
Civil Engineer
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4045 Coronado Avenue
Stockton, California 95204
209.943.2021

Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
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209.931.9650

Electrical Designer - Design/Builder
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209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
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Stockton, California 95201
209.466.4601

4 HOUR FIRE RATED WALLS AT GRID C SHALL
CONSIST OF 8" CONCRETE MASONRY WALLS -
SOLID GROUTED (TABLE 7-B ITEM 6.14)
PROVIDE THROUGH PENETRATION FIRE STOPS
AND SEALANTS AT WALL CONTROL JOINTS AND
OTHER GAPS IN WALLS (TOP AND SIDES) TO
ACHIEVE THE 4-HOUR RATED WALL ASSEMBLY.
MATERIALS TO BE "SM - FIRE BARRIER 2000"
(ER 3817) OR "TREMCO THROUGH PENETRATION
FIRE STOP SYSTEMS" (ER 3198)

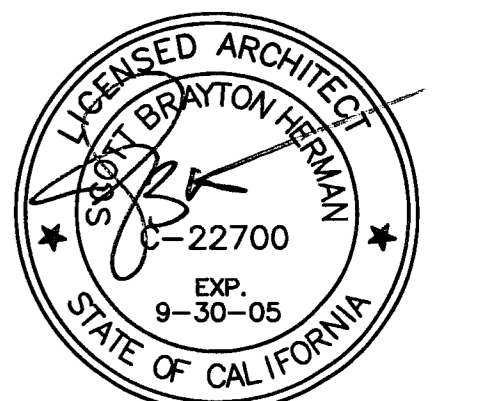


NOTE:
OPENING IN CMU WALL FOR EXIT TO
BE COORDINATED WITH THE MASON
PRIOR TO ERRECTION OF CMU WALL

1 SOUTH ELEVATION
A-4.2 SCALE: 3/32" = 1'-0"

CONST. DOCUMENTS

REVISIONS:
11/29/04 PLANCHICK SET
3/11/05 PERMIT SET



SHEET TITLE
BUILDING
ELEVATIONS

DATE 29, NOV. 2004	SCALE 3/32" = 1'-0"
DRAWN BY SBH	CHECKED BY SBH
DRAWING NO. 2319A-4-2	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-4.2

PROJECT NO:
HNA 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Planning Consultants
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310. 544. 8670

Design Architect:
Wenell Matthews Bowe
 246 E. Main Street
 Stockton, California 95202
 209. 944. 9110

Structural Engineer:
Jessie-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 5345

Civil Engineer:
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

Plumbing Designer - Design/Builder:
HRM Plumbing
 9550 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

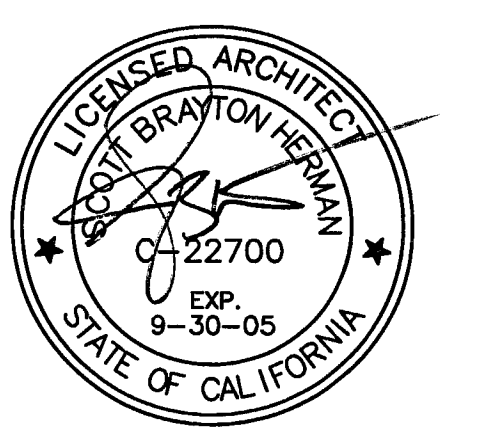
Electrical Designer - Design/Builder:
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder:
Comfort Air
 1607 Tumpleke Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

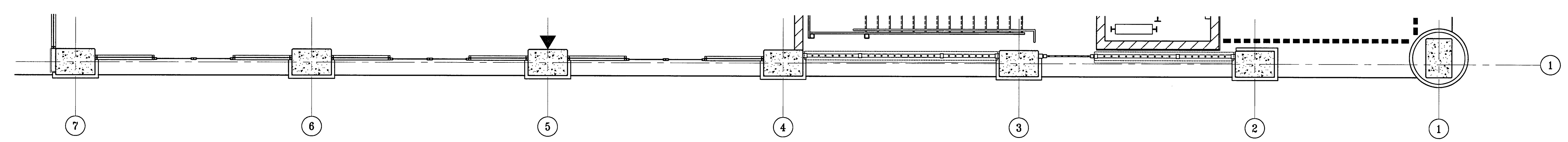
11/29/04	PLANCHECK SET
3/11/05	PERMIT SET



SHEET TITLE
ENLARGED ELEVATIONS

DATE	29, NOV. 2004	SCALE	1/4" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-4-3	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-4.3
 PROJECT NO:
 HNA 2319



LEVEL P-1 PLAN

1
A-4.3 PARTIAL ENLARGED ELEVATION - NORTH
 SCALE: 1/4" = 1'-0"

ELEVATION +0.00 = 12.80'

CITY OF STOCKTON
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Mechanical Designer - Design/Builder
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 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHECK SET
3/11/05	PERMIT SET

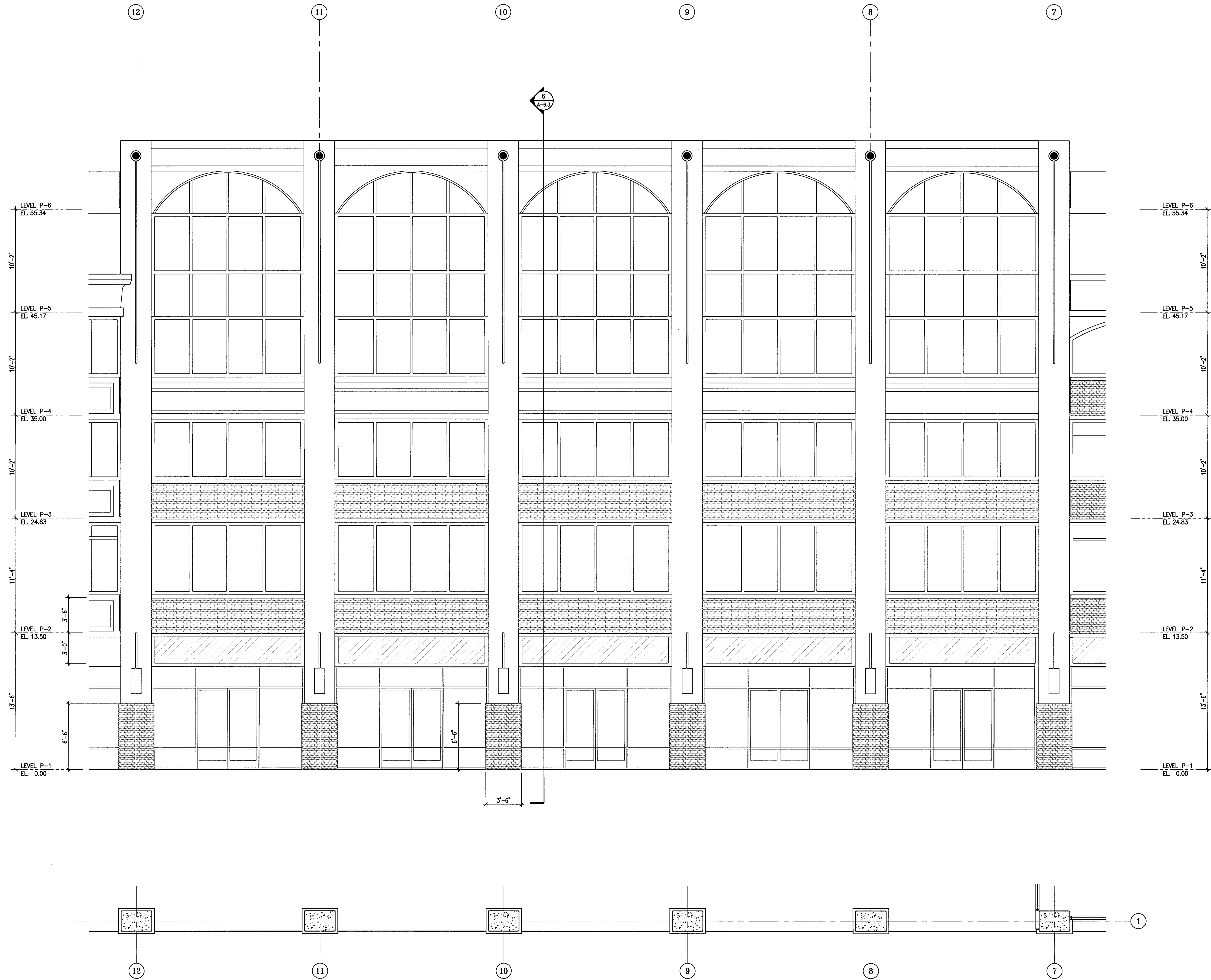


SHEET TITLE
PARTIAL ENLARGED NORTH ELEV

DATE 29. NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-4-4	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-4.4

PROJECT NO:
 HNA 2319



LEVEL P-1 PLAN

1 PARTIAL ENLARGED ELEVATION - NORTH
 A-4.4 SCALE: 1/4" = 1'-0"

ELEVATION +0.00 = 12.80'

CITY OF STOCKTON
EDMUND S. 'ED' COY
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 STOCKTON, CALIFORNIA

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HRM Plumbing
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 209. 931. 9650

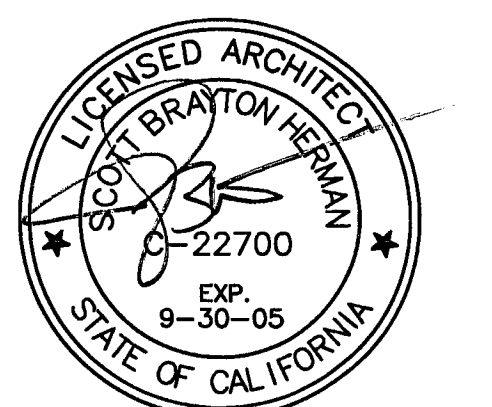
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3681

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHECK SET
3/11/05	PERMIT SET

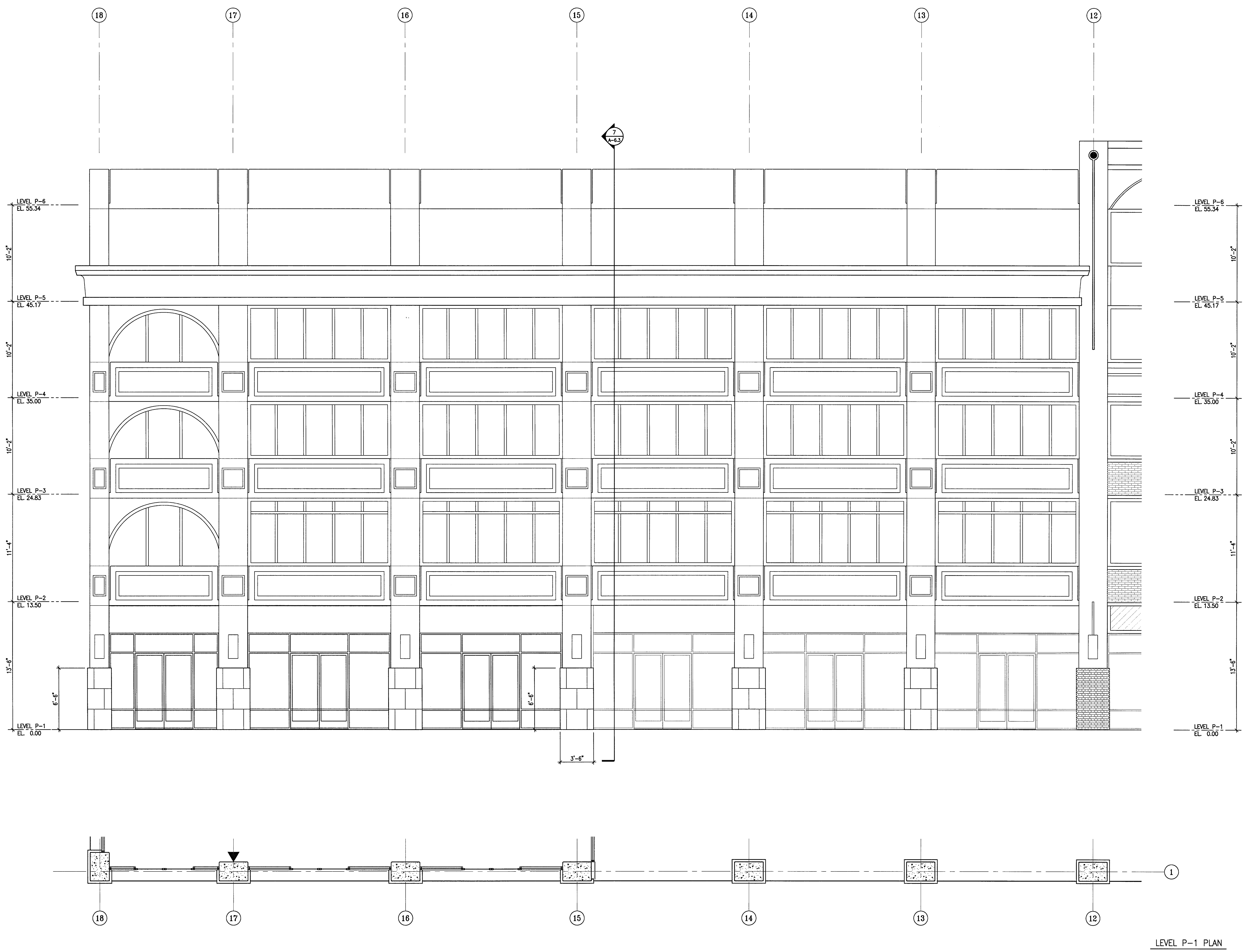


SHEET TITLE
PARTIAL ENLARGED NORTH ELEV.

DATE 29, NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-4-5	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-4.5

PROJECT NO:
 HNA 2319



1 PARTIAL ENLARGED ELEVATION - NORTH
 SCALE: 1/4" = 1'-0"
 ELEVATION +0.00 = 12.80'

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
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DESIGN BUILDER:
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 Stockton, California 95204
 209. 943. 2021

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HRM Plumbing
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 209. 931. 9650

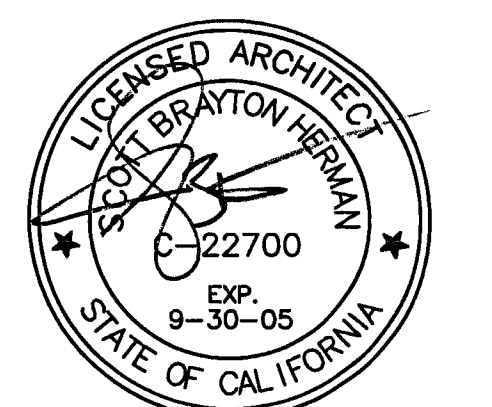
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

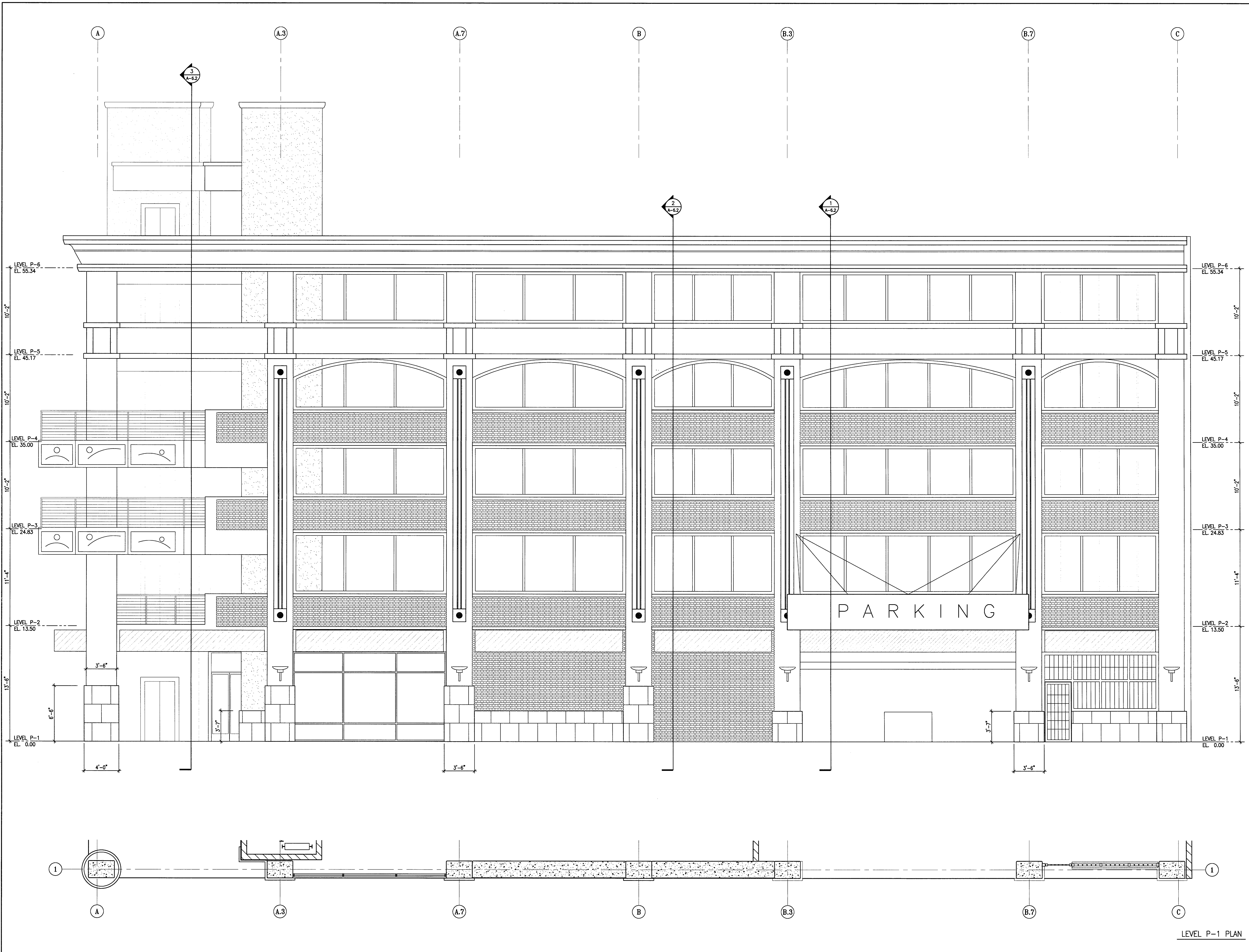
11/29/04	PLANCHECK SET
3/11/05	PERMIT SET



SHEET TITLE
ENLARGED WEST ELEVATION

DATE	29, NOV. 2004	SCALE	1/4" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-4-6	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-4.6
 PROJECT NO:
 HNA 2319



1 ENLARGED ELEVATION - WEST
 SCALE: 1/4" = 1'-0"

ELEVATION +0.00 = 12.80'

LEVEL P-1 PLAN

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
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Civil Engineer
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4045 Coronado Avenue
Stockton, California 95204
209. 943. 2021

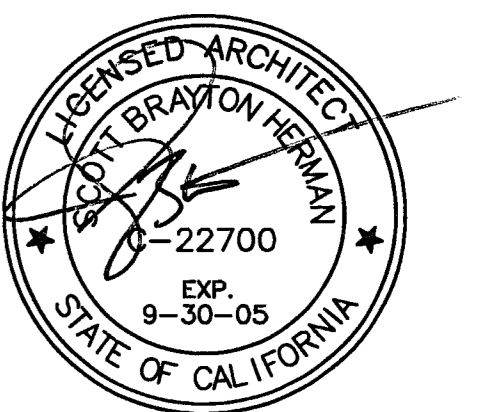
Plumbing Designer - Design/Builder
HFM Plumbing
3650 Wilcox Road
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209. 931. 9550

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Collins Electrical
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209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
1507 Turnpike Road
Stockton, California 95201
209. 466. 4601

CONST. DOCUMENTS

REVISIONS:
11/29/04 PLANCHCK SET
3/11/05 PERMIT SET

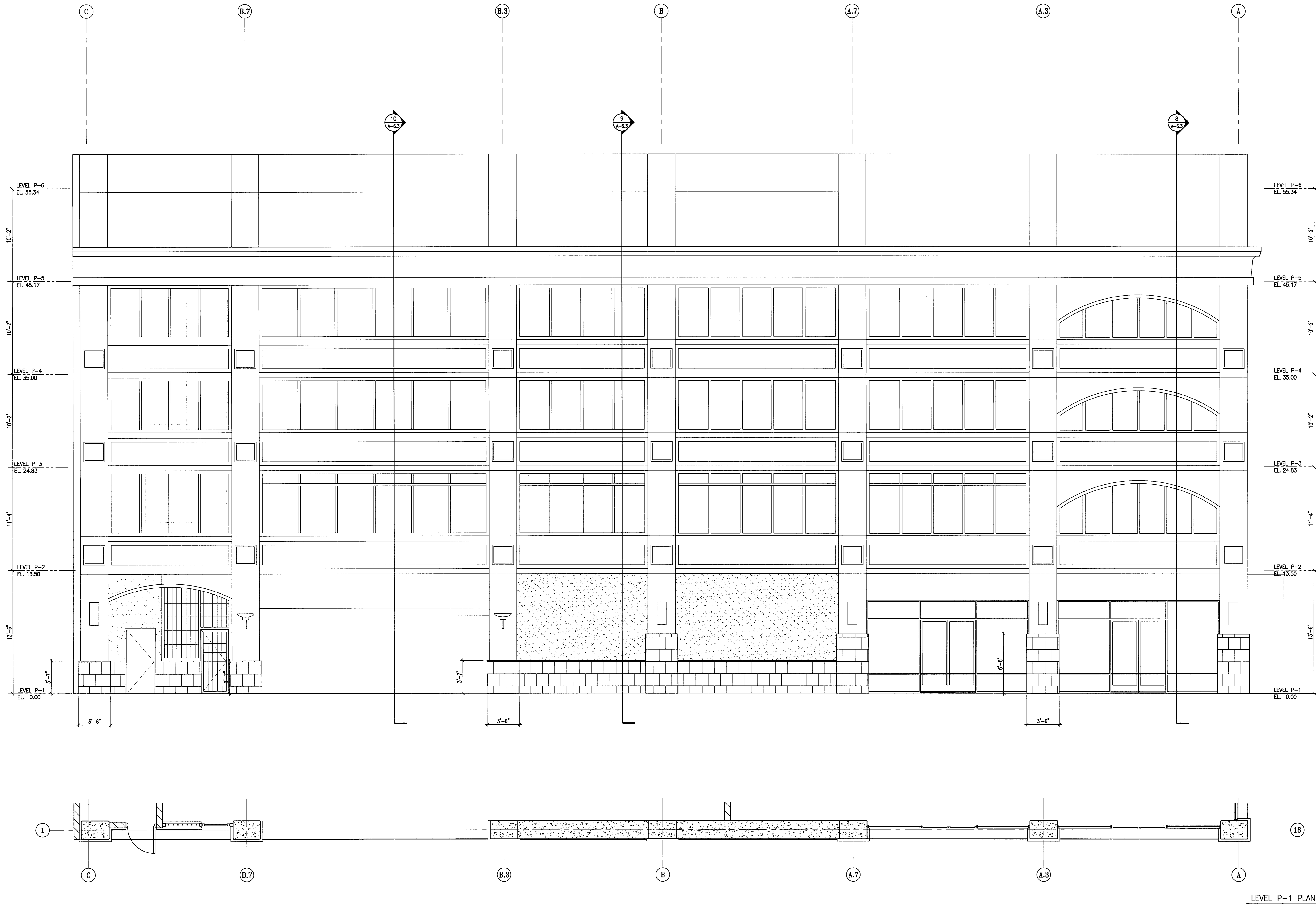


SHEET TITLE
ENLARGED EAST ELEVATION

DATE 29. NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-4-7	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-4.7

PROJECT NO:
HNA 2319



1
A-4.7 ENLARGED ELEVATION - EAST
SCALE: 1/4" = 1'-0"

ELEVATION +0.00 = 12.80'

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
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 Architect - Permit Consultant
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 209. 943. 2021

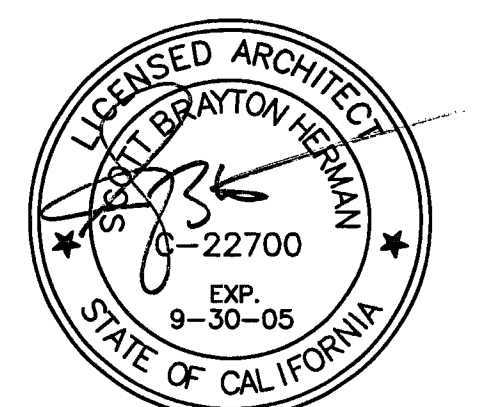
Plumbing Designer - Design/Builder
HRM Plumbing
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 209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
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Mechanical Designer - Design/Builder
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 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHICK SET
3/11/05	PERMIT SET



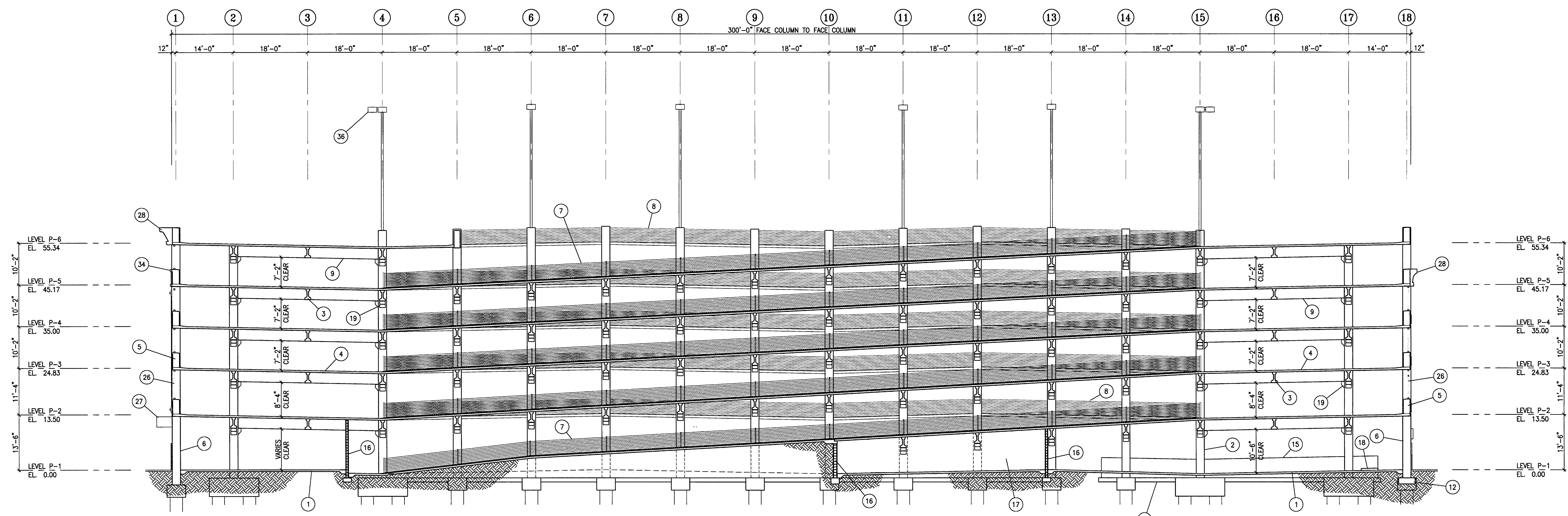
SHEET TITLE

LONGITUDINAL BUILDING SECTIONS

DATE	29. NOV. 2004	SCALE	3/32" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	A-51	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-51

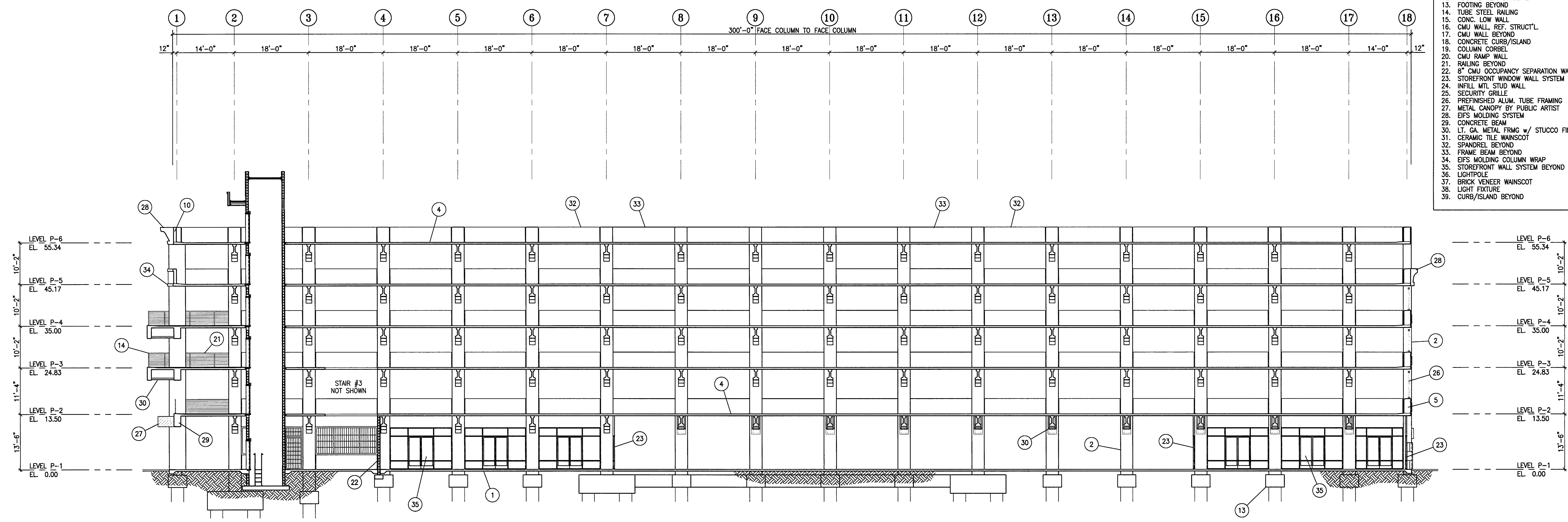
PROJECT NO:
HNA 2319



B LONGITUDINAL BUILDING SECTION AT LINE B
 A-5.1 SCALE: 3/32" = 1'-0"

VERTICAL CLEARANCES LEADING TO AND FROM EACH DISABLED PARKING SPACE SHALL BE A MINIMUM OF 8'-2" CLEAR. THE VERTICAL CLEARANCE PROVIDED IN DESIGNATED DRIVE AISLES IS 8'-2" CLEAR (MINIMUM), TYPICAL.
 AT EACH VEHICULAR ENTRANCE: PROVIDE DISABLED ACCESS AUTHORIZATION SIGNS PER DETAIL 2/A-11.2.
 VERTICAL CLEARANCES AT DISABLED PARKING SPACES SHALL BE MINIMUM 8'-2" CLEAR TYPICAL.
 ALL OTHER SPACES SHALL HAVE A MINIMUM 7'-0" CLEARANCE.

- KEY NOTES: #**
1. CONCRETE SLAB ON GRADE
 2. PRECAST CONCRETE COLUMN
 3. PRECAST CONCRETE BEAM
 4. CONCRETE SLAB
 5. CONCRETE FRAME BEAM
 6. CONCRETE WALL
 7. GALV. BARRIER CABLES
 8. GALV. BARRIER CABLES BEYOND
 9. PRECAST CONC. GIRDER
 10. CONCRETE SPANDREL
 11. UPTURNED BEAM
 12. FOOTING REF. STRUCT'L
 13. FOOTING BEYOND
 14. TUBE STEEL RAILING
 15. CONC. LOW WALL
 16. CMU WALL REF. STRUCT'L
 17. CMU WALL BEYOND
 18. CONCRETE CURB/ISLAND
 19. COLUMN CORSEL
 20. CMU RAMP WALL
 21. RAILING BEYOND
 22. 8" CMU OCCUPANCY SEPARATION WALL
 23. STOREFRONT WINDOW WALL SYSTEM
 24. INFILL MITL STUD WALL
 25. SECURITY GRILLE
 26. PREFINISHED ALUM. TUBE FRAMING
 27. METAL CANOPY BY PUBLIC ARTIST
 28. EIFS MOLDING SYSTEM
 29. CONCRETE BEAM
 30. LT. GA. METAL FRMG w/ STUCCO FINISH
 31. CERAMIC TILE WAINSCOT
 32. SPANDREL BEYOND
 33. FRAME BEAM BEYOND
 34. EIFS MOLDING COLUMN WRAP
 35. STOREFRONT WALL SYSTEM BEYOND
 36. LIGHTPOLE
 37. BRICK VENEER WAINSCOT
 38. LIGHT FIXTURE
 39. CURB/ISLAND BEYOND



A LONGITUDINAL BUILDING SECTION AT LINE A
 A-5.1 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
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 Stockton, California 95204
 209. 943. 2021

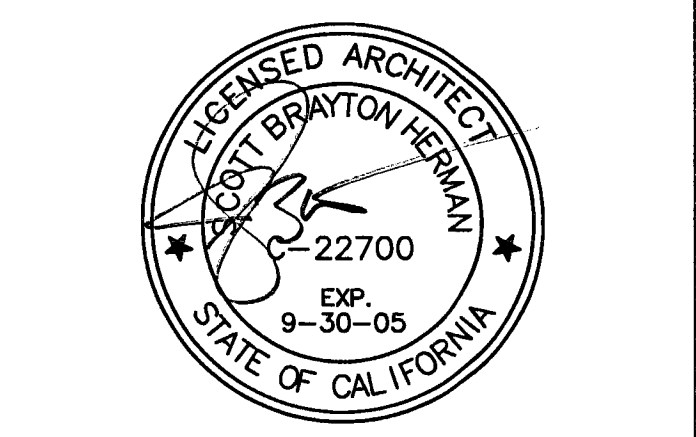
Plumbing Designer - Design/Builder
HRM Plumbing
 9650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3681

Mechanical Designer - Design/Builder
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 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE

TRANSVERSE BUILDING SECTIONS

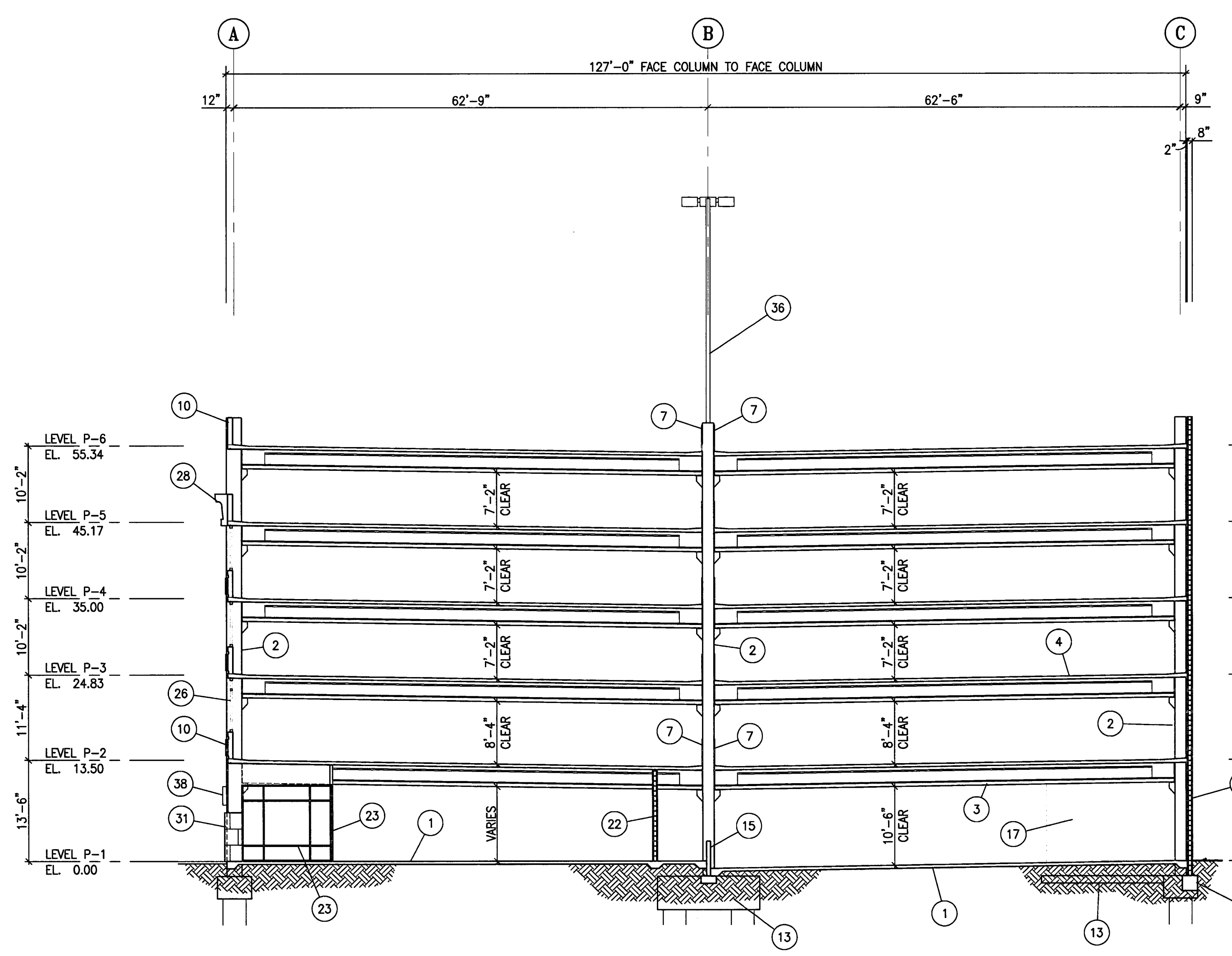
DATE	29, NOV. 2004	SCALE	3/32" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	A-52	SHEET	
PROGRAM NO.	R-NO.		

DRAWING NO: **A-52**

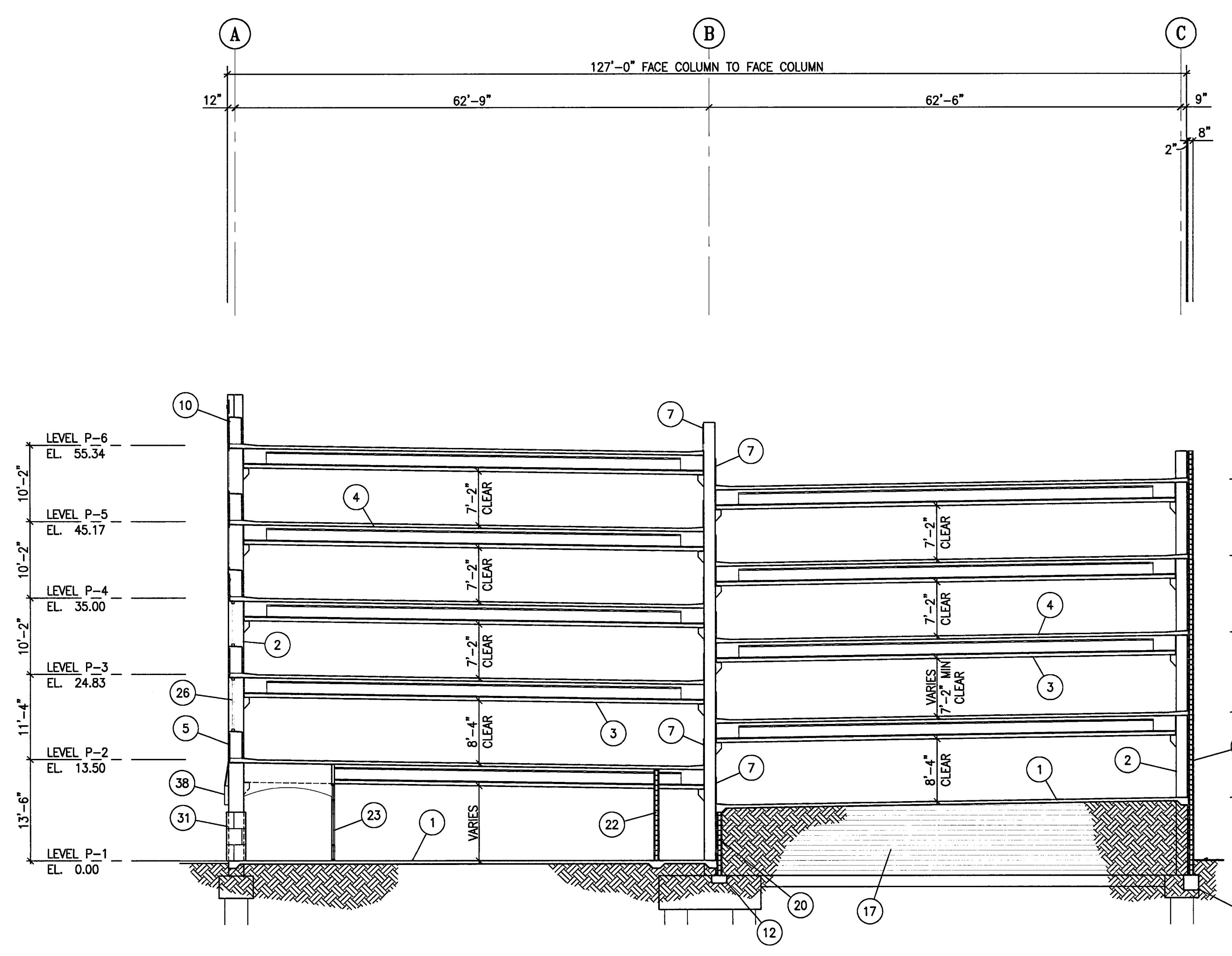
PROJECT NO: **HNA 2319**

VERTICAL CLEARANCES LEADING TO AND FROM EACH DISABLED PARKING SPACE SHALL BE A MINIMUM OF 8'-2" CLEAR. THE VERTICAL CLEARANCE PROVIDED IN DESIGNATED DRIVE AISLES IS 8'-2" CLEAR (MINIMUM), TYPICAL.
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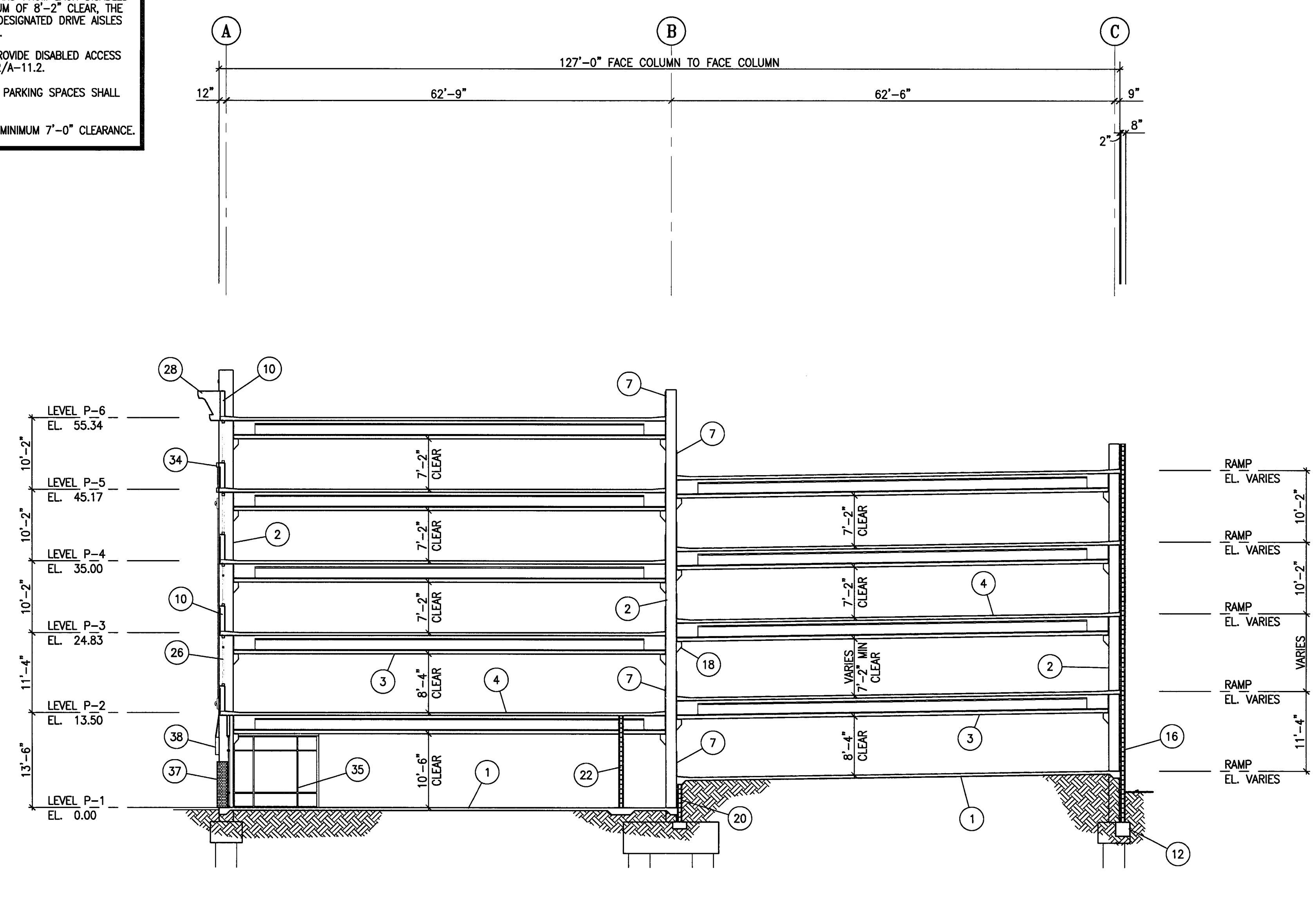
- KEY NOTES: #**
1. CONCRETE SLAB ON GRADE
 2. PRECAST CONCRETE COLUMN
 3. PRECAST CONCRETE BEAM
 4. CONCRETE SLAB
 5. CONCRETE FRAME BEAM
 6. CONCRETE WALL
 7. GALV. BARRIER CABLES
 8. GALV. BARRIER CABLES BEYOND
 9. PRECAST CONC. GIRDER
 10. CONCRETE SPANDREL
 11. UPTURNED BEAM
 12. FOOTING REF. STRUCT'L
 13. FOOTING BEYOND
 14. TUBE STEEL RAILING
 15. COND. LOW WALL
 16. CMU WALL, REF. STRUCT'L
 17. CMU WALL BEYOND
 18. CONCRETE CURB/ISLAND
 19. COLUMN CORSEL
 20. CMU RAMP WALL
 21. RAILING BEYOND
 22. 8" CMU OCCUPANCY SEPARATION WALL
 23. STOREFRONT WINDOW WALL SYSTEM
 24. INFILL MTL. STUD WALL
 25. SECURITY GRILLE
 26. PREFINISHED ALUM. TUBE FRAMING
 27. METAL CANOPY BY PUBLIC ARTIST
 28. EPS MOLDING SYSTEM
 29. CONCRETE BEAM
 30. LT. GA. METAL FRMG w/ STUCCO FINISH
 31. CERAMIC TILE WAINSCOT
 32. SPANDREL BEYOND
 33. FRAME BEAM BEYOND
 34. EPS MOLDING COLUMN WRAP
 35. STOREFRONT WALL SYSTEM BEYOND
 36. LIGHTPOLE
 37. BRICK VENEER WAINSCOT
 38. LIGHT FIXTURE
 39. CURB/ISLAND BEYOND



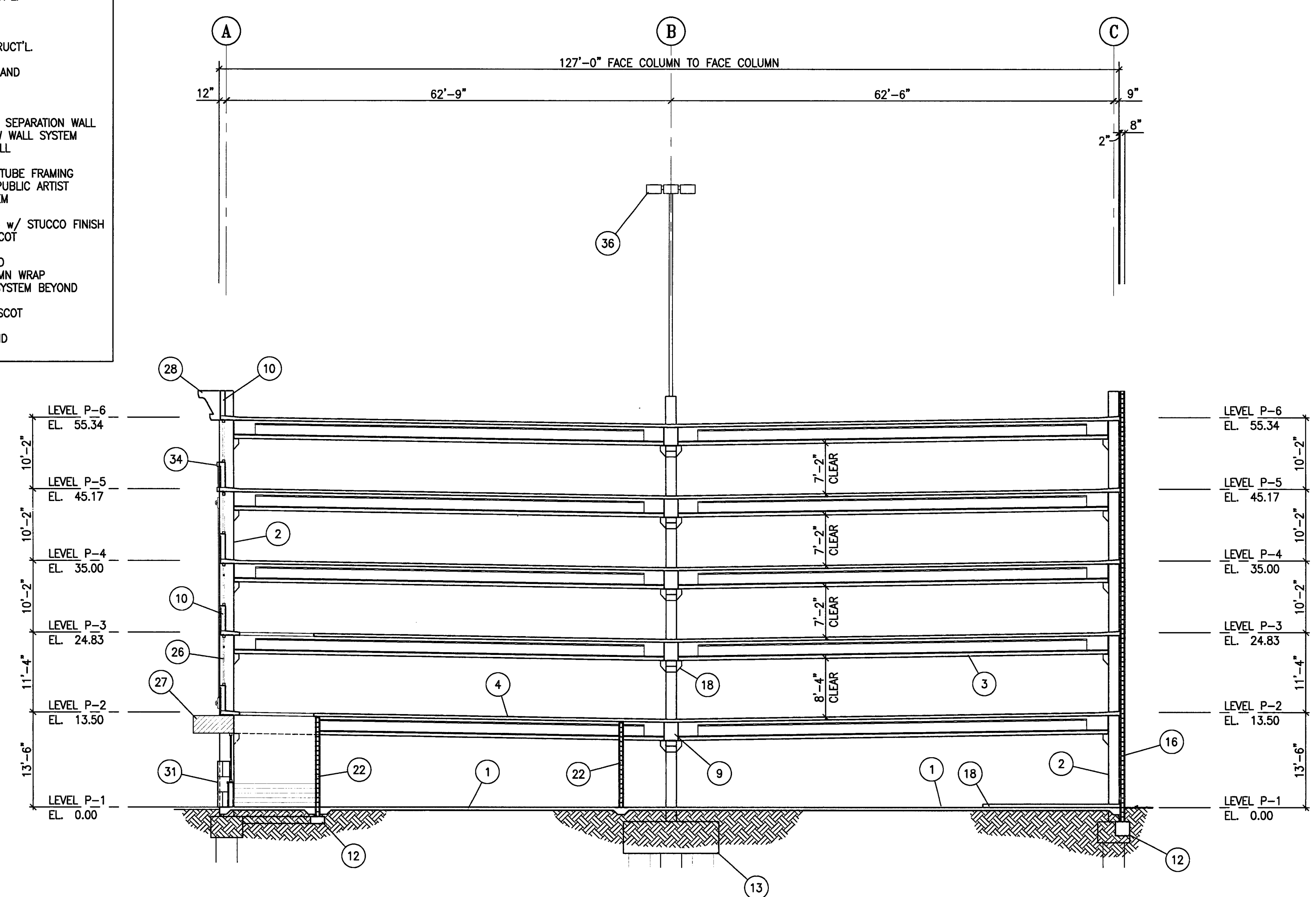
F TRANSVERSE BUILDING SECTION AT LINE 15
 SCALE: 3/32" = 1'-0"



E TRANSVERSE BUILDING SECTION AT LINE 10
 SCALE: 3/32" = 1'-0"



D TRANSVERSE BUILDING SECTION AT LINE 7
 SCALE: 3/32" = 1'-0"



C TRANSVERSE BUILDING SECTION AT LINE 4
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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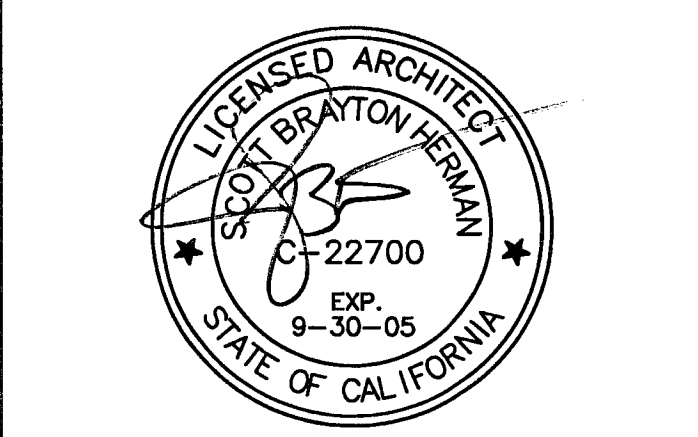
Plumbing Designer - Design/Builder
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CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
TRANSVERSE BUILDING SECTIONS

DATE	SCALE
29, NOV. 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
A-53	
PROGRAM NO.	R-NO.

DRAWING NO:
A-5.3
 PROJECT NO:
 HNA 2319

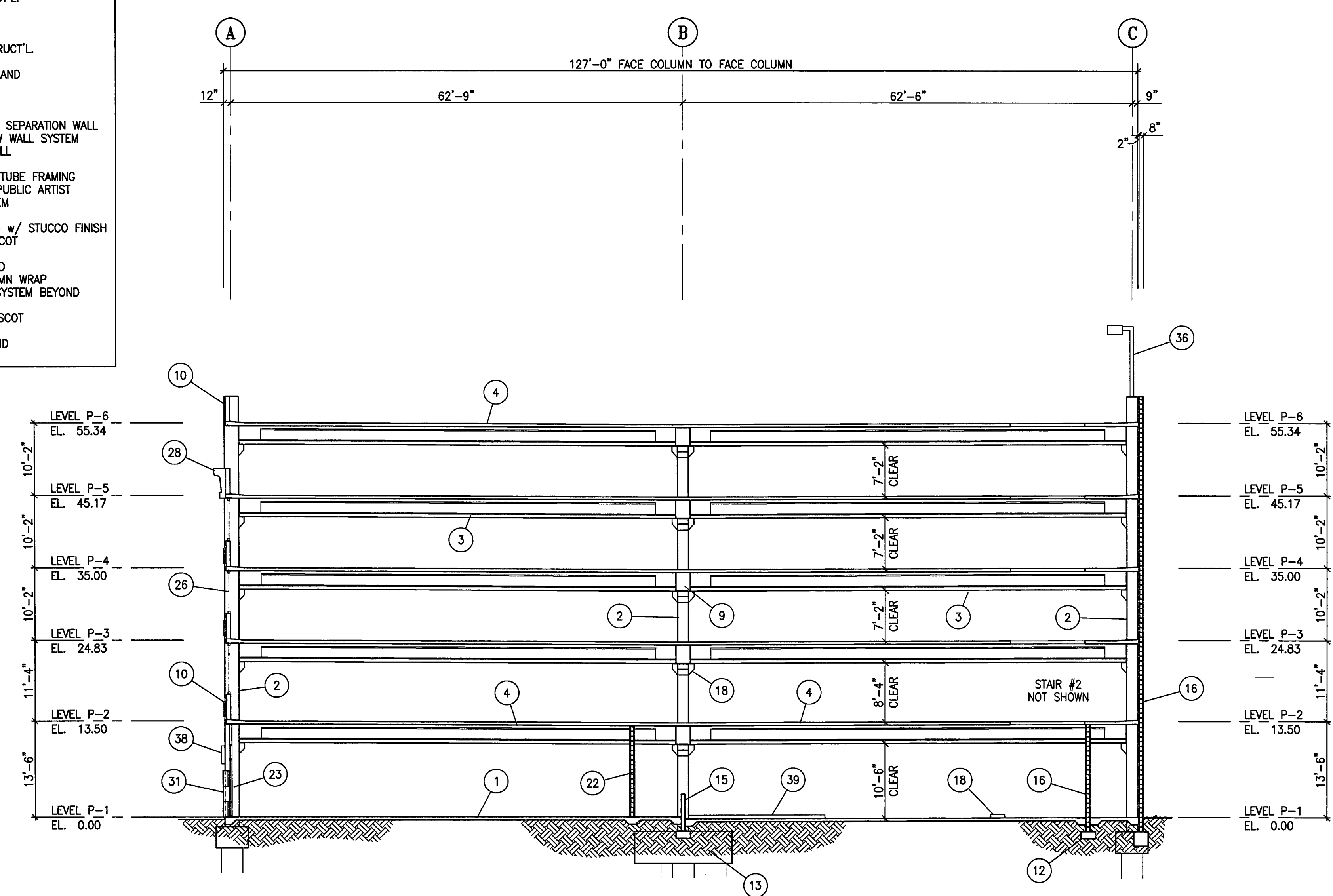
- KEY NOTES:** (#)
1. CONCRETE SLAB ON GRADE
 2. PRECAST CONCRETE COLUMN
 3. PRECAST CONCRETE BEAM
 4. CONCRETE SLAB
 5. CONCRETE FRAME BEAM
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 8. GALV. BARRIER CABLES BEYOND
 9. PRECAST CONC. GIRDER
 10. CONCRETE SPANDREL
 11. UPTURNED BEAM
 12. FOOTING REF. STRUCT'L.
 13. FOOTING BEYOND
 14. TUBE STEEL RAILING
 15. CONC. LOW WALL
 16. CMU WALL, REF. STRUCT'L.
 17. CMU WALL BEYOND
 18. CONCRETE CURB/ISLAND
 19. COLUMN CORSEL
 20. CMU RAMP WALL
 21. RAILING BEYOND
 22. 8" CMU OCCUPANCY SEPARATION WALL
 23. STOREFRONT WINDOW WALL SYSTEM
 24. INFILL MTL STUD WALL
 25. SECURITY GRILLE
 26. PREFINISHED ALUM. TUBE FRAMING
 27. METAL CANOPY BY PUBLIC ARTIST
 28. EIFS MOLDING SYSTEM
 29. CONCRETE BEAM
 30. LT. GA. METAL FRMG w/ STUCCO FINISH
 31. CERAMIC TILE WAINSCOT
 32. SPANDREL BEYOND
 33. FRAME BEAM BEYOND
 34. EIFS MOLDING COLUMN WRAP
 35. STOREFRONT WALL SYSTEM BEYOND
 36. LIGHTPOLE
 37. BRICK VENER WAINSCOT
 38. LIGHT FIXTURE
 39. CURB/ISLAND BEYOND

VERTICAL CLEARANCES LEADING TO AND FROM EACH DISABLED PARKING SPACE SHALL BE A MINIMUM OF 8'-2" CLEAR. THE VERTICAL CLEARANCE PROVIDED IN DESIGNATED DRIVE AISLES IS 8'-2" CLEAR (MINIMUM), TYPICAL.

AT EACH VEHICULAR ENTRANCE: PROVIDE DISABLED ACCESS AUTHORIZATION SIGNS PER DETAIL 2/A-11.2.

VERTICAL CLEARANCES AT DISABLED PARKING SPACES SHALL BE MINIMUM 8'-2" CLEAR TYPICAL.

ALL OTHER SPACES SHALL HAVE A MINIMUM 7'-0" CLEARANCE.



G TRANSVERSE BUILDING SECTION AT LINE 17
 A-5.3 SCALE: 3/32" = 1'-0"

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

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209. 943. 2021

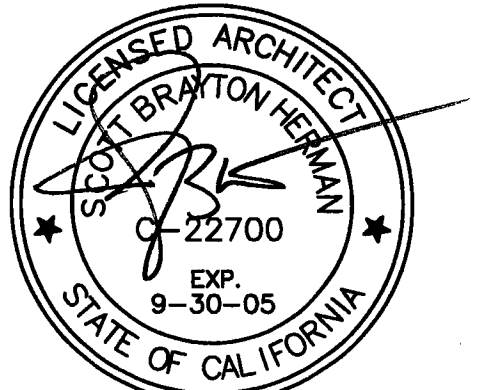
Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
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209. 486. 3691

Mechanical Designer - Design/Builder
Comfort Air
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209. 486. 4601

CONST. DOCUMENTS

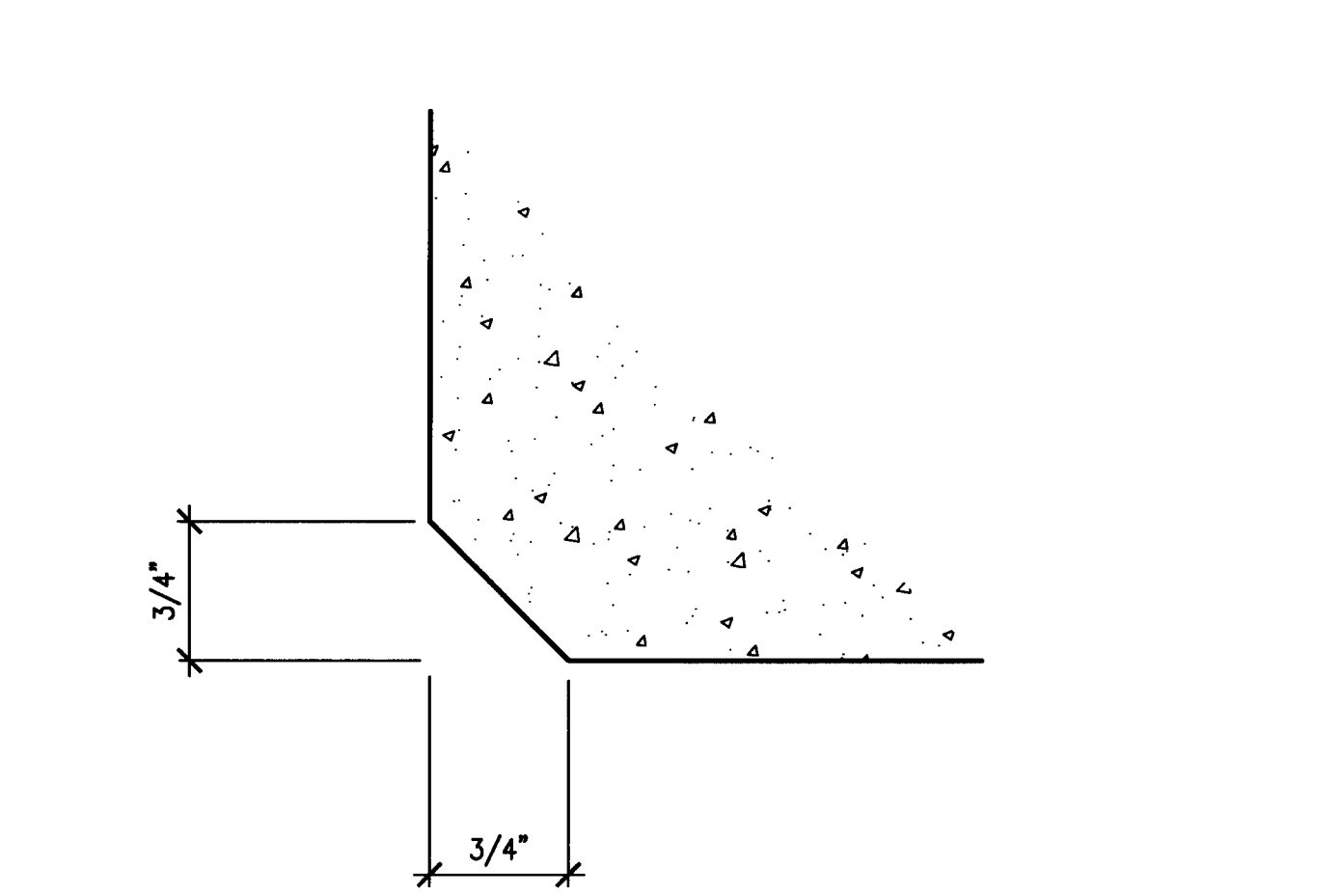
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11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



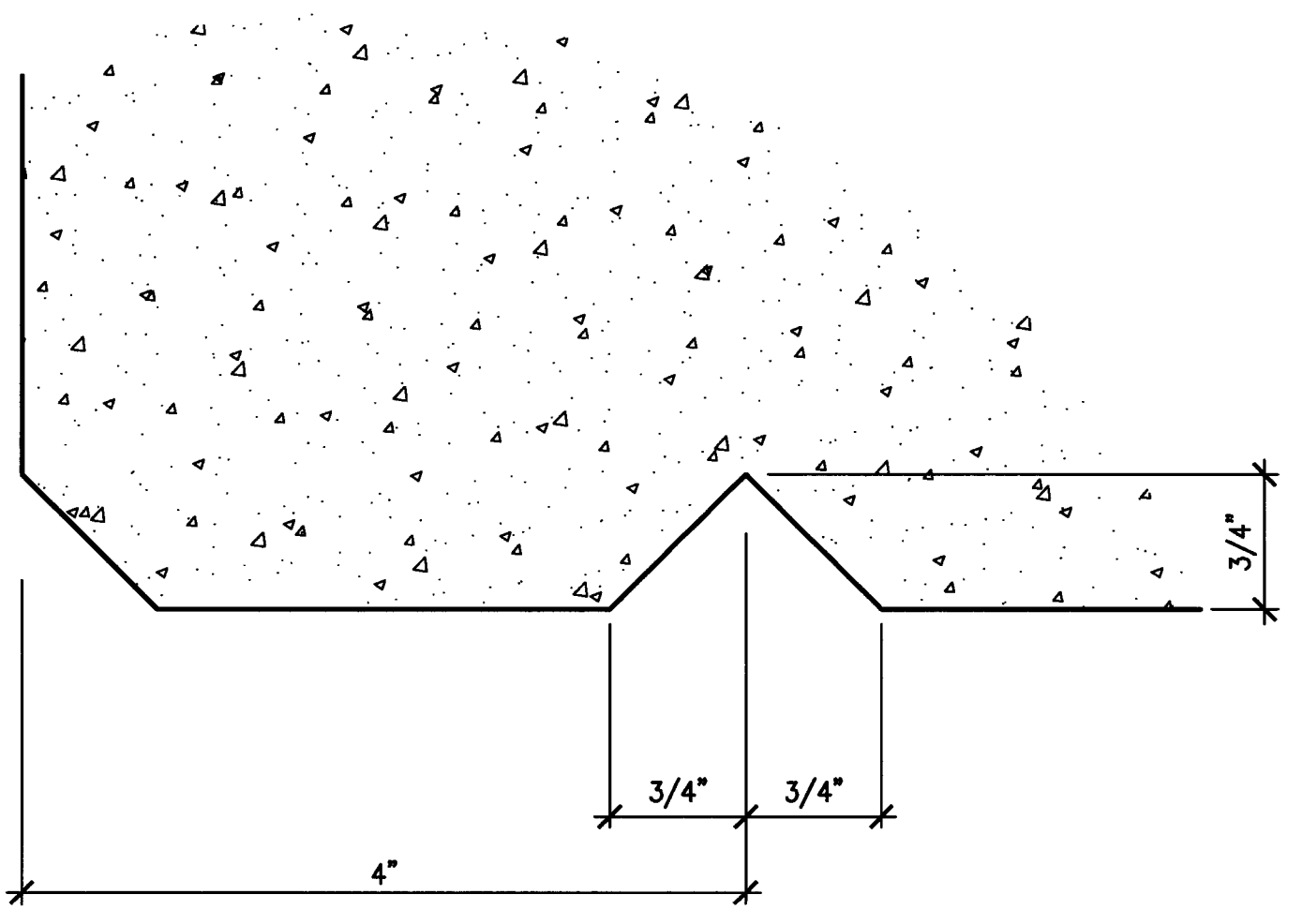
SHEET TITLE
**TYPICAL
DETAIL
SECTIONS**

DATE 28, NOV. 2004	SCALE 1" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-6-1	SHEET
PROGRAM NO.	R-NO.

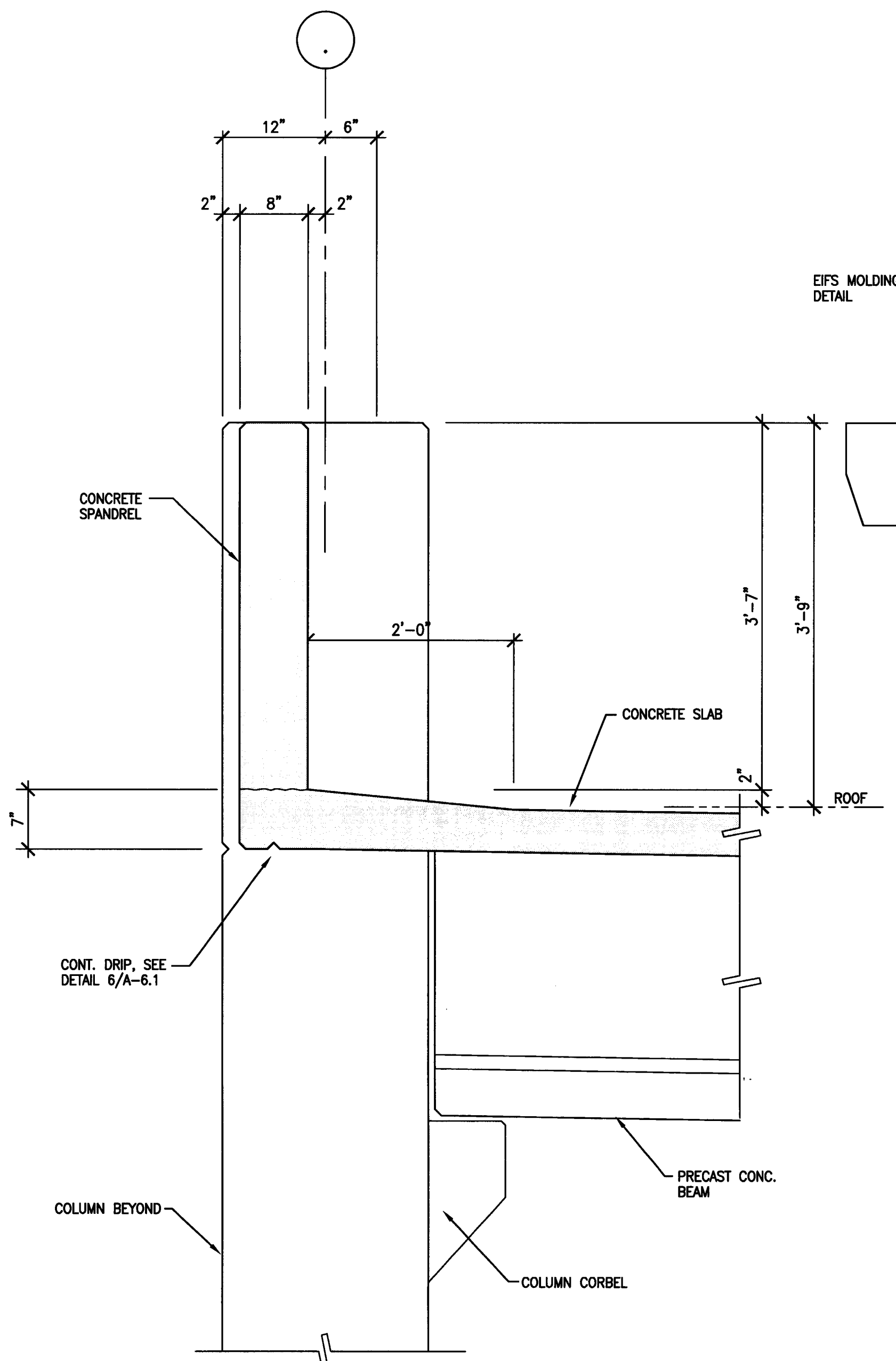
DRAWING NO:
A-6.1
PROJECT NO:
HNA 2319



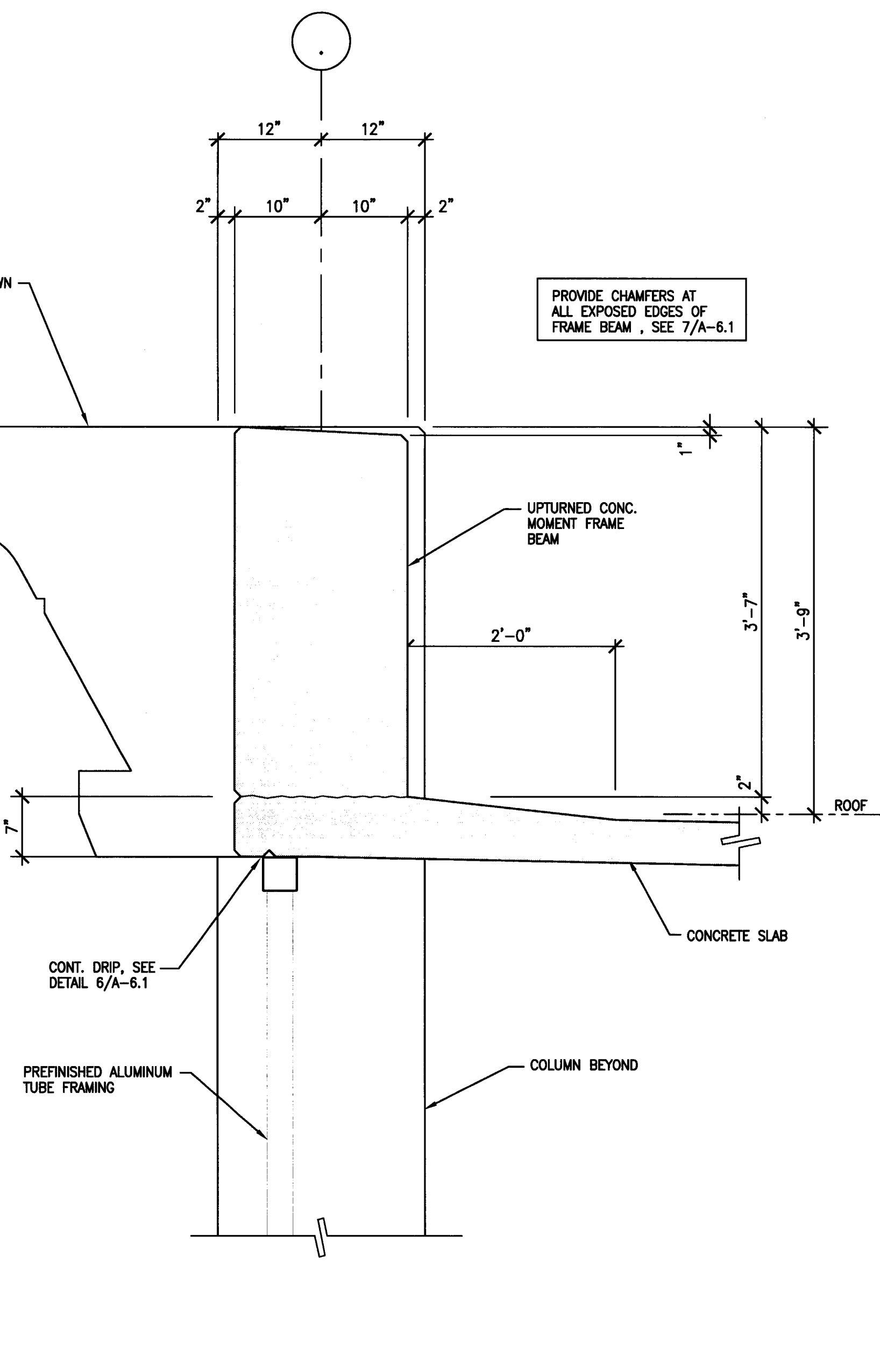
7 TYPICAL CHAMFER DETAIL
SCALE: FULL



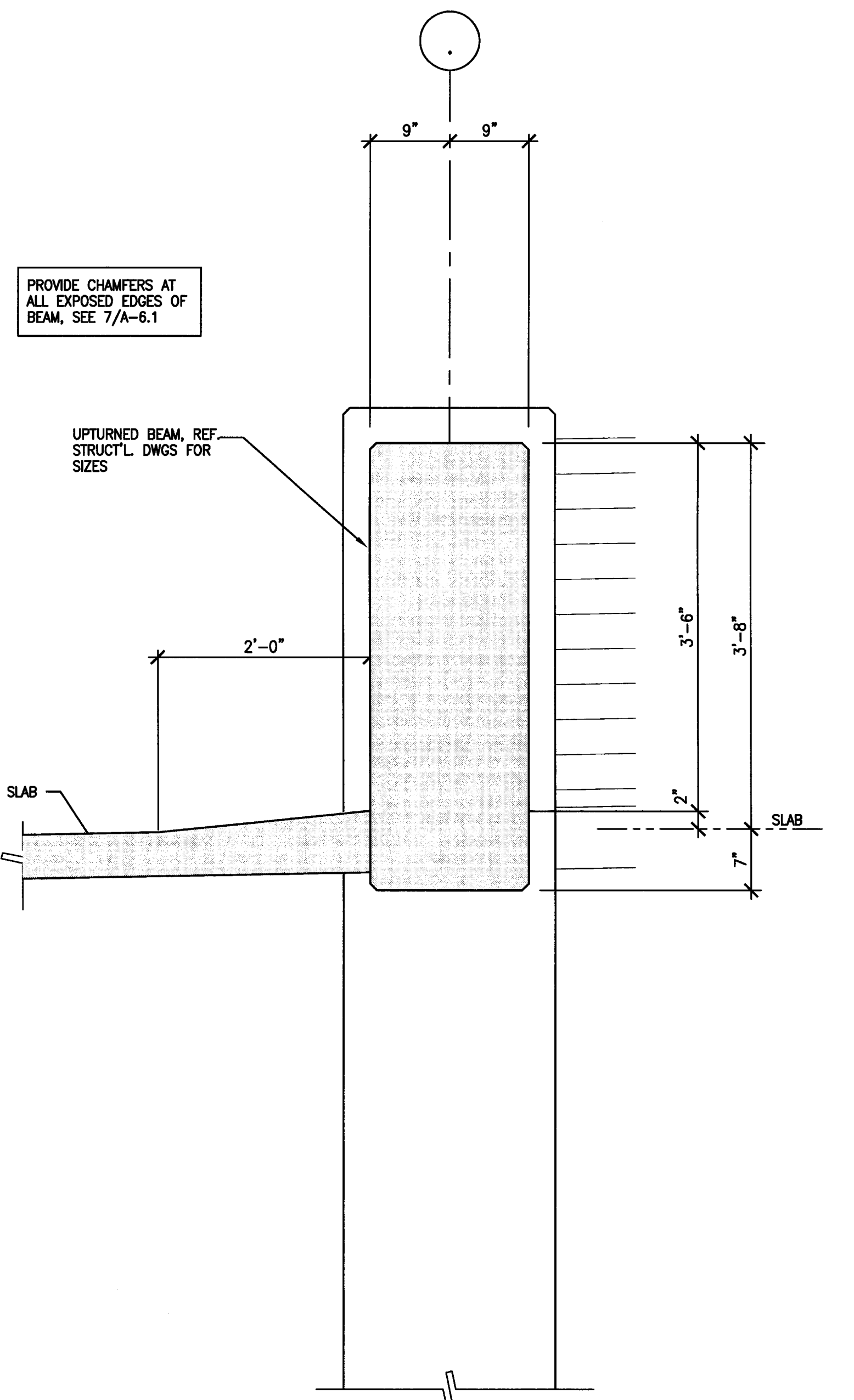
6 TYPICAL DRIP DETAIL
SCALE: FULL



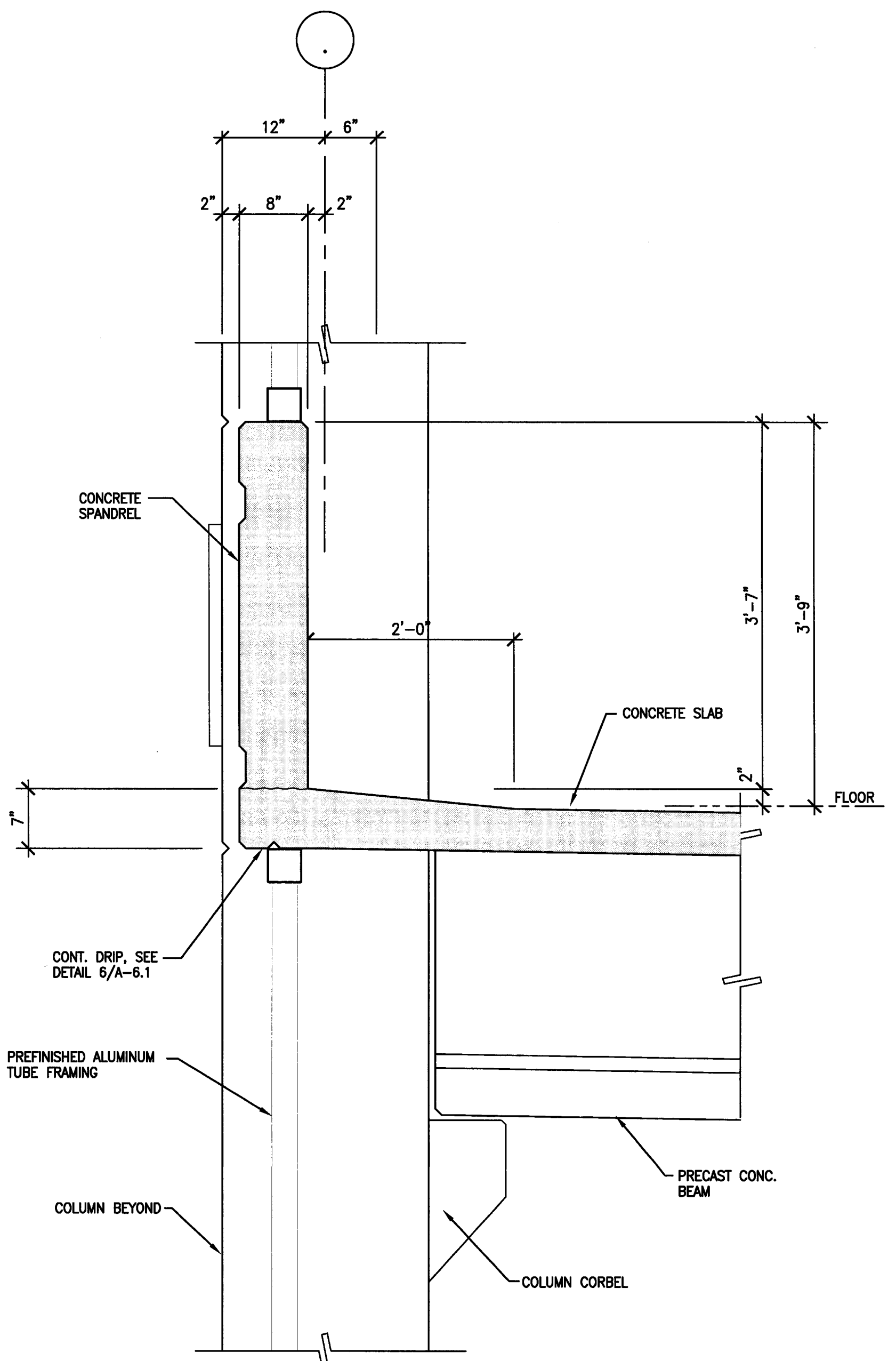
4 SPANDREL AT ROOF LEVEL
SCALE: 1" = 1'-0"



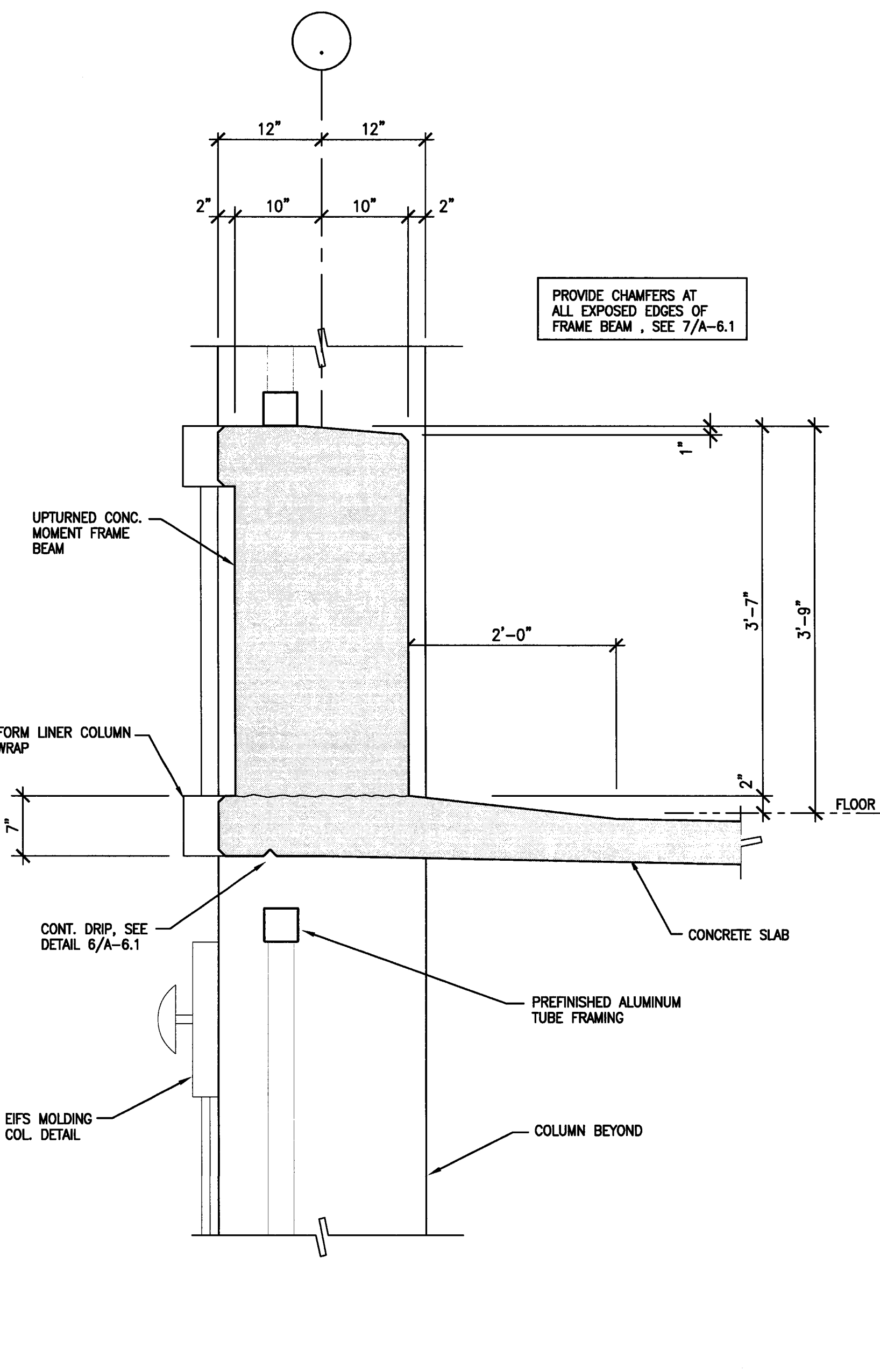
2 FRAME BEAM AT ROOF LEVEL
SCALE: 1" = 1'-0"



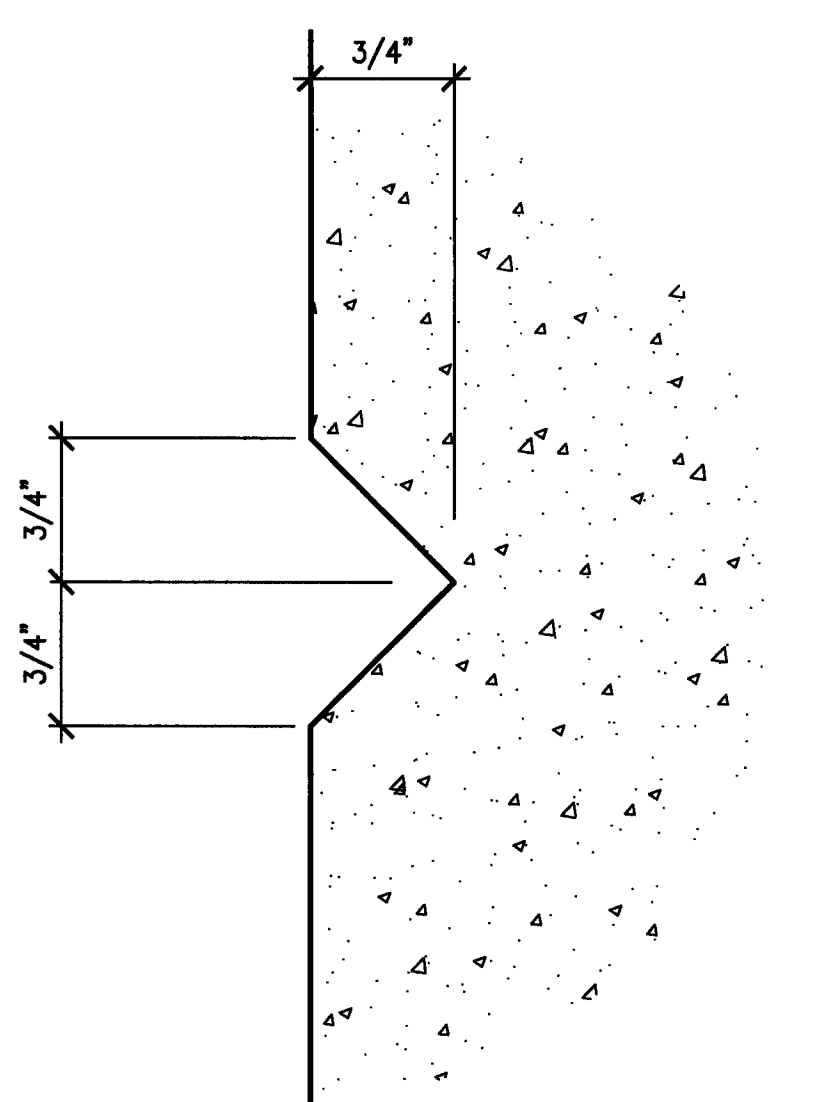
5 UPTURNED BEAM DETAIL
SCALE: 1" = 1'-0"



3 SPANDREL AT FLOOR LEVEL
SCALE: 1" = 1'-0"



1 FRAME BEAM AT FLOOR LEVEL
SCALE: 1" = 1'-0"



8 TYPICAL REVEAL DETAIL
SCALE: FULL

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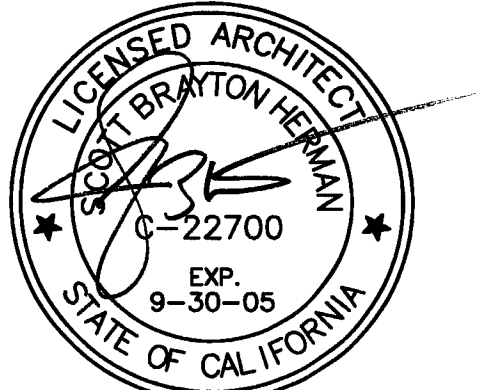
Electrical Designer - Designer/Builder
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Comfort Air
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REVISIONS:

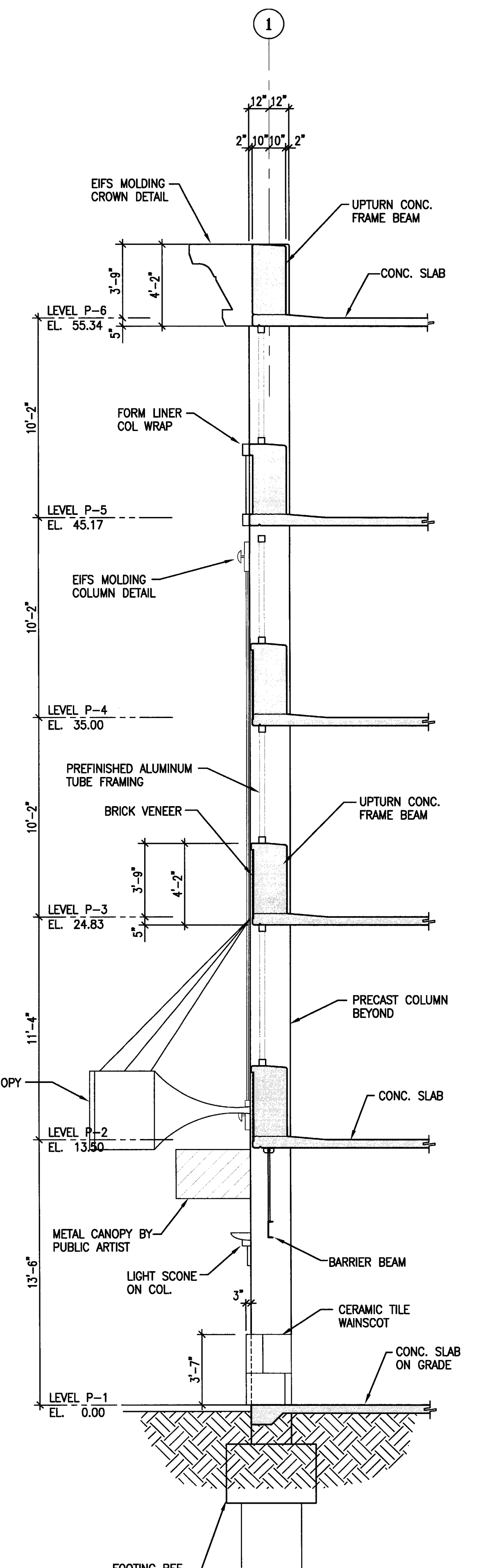
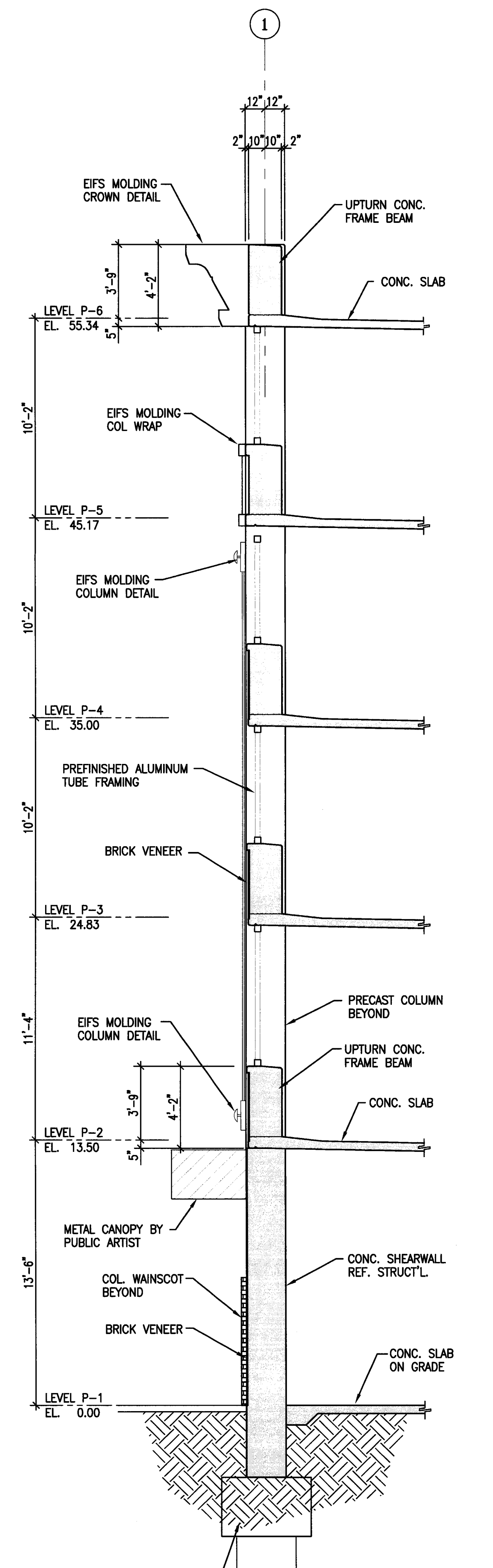
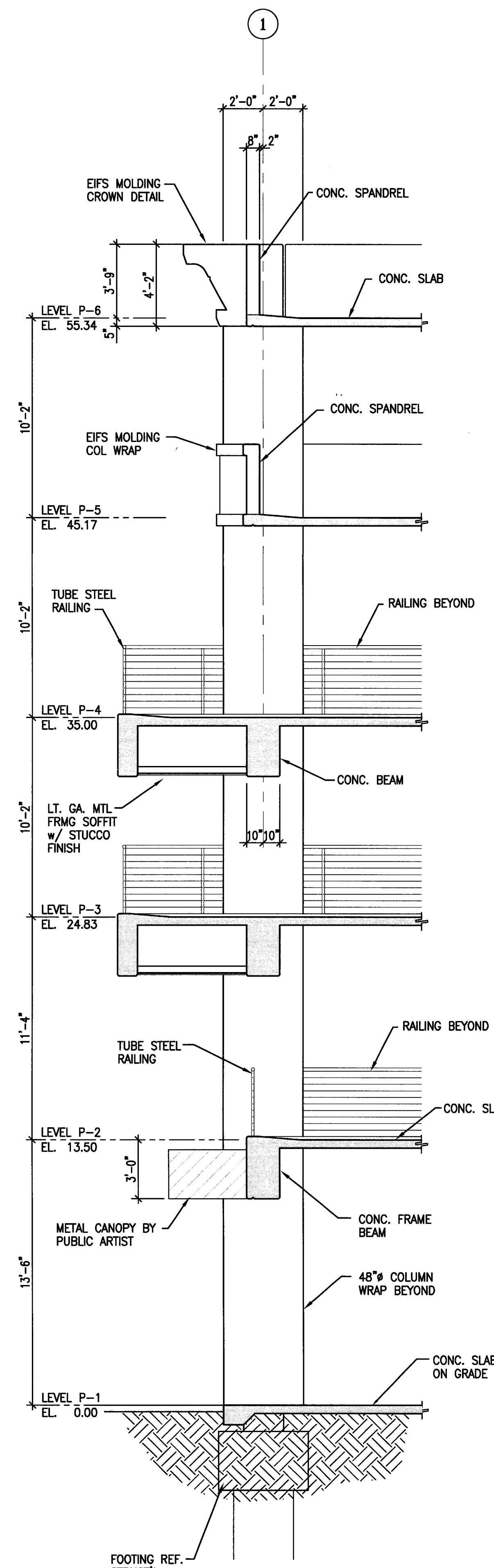
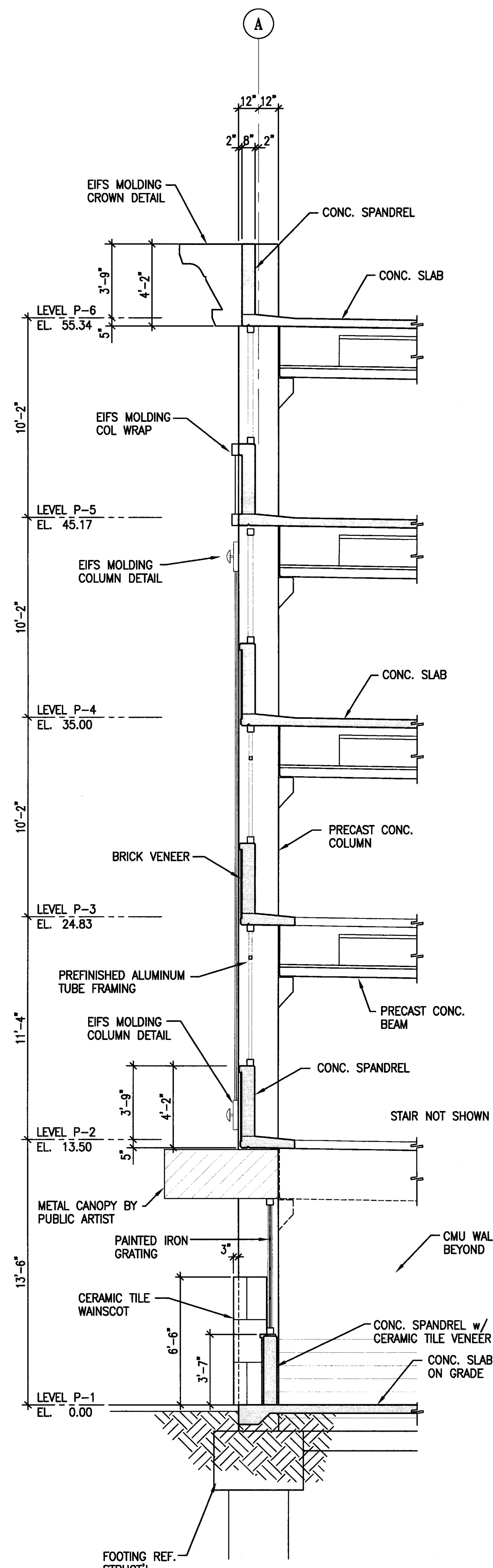
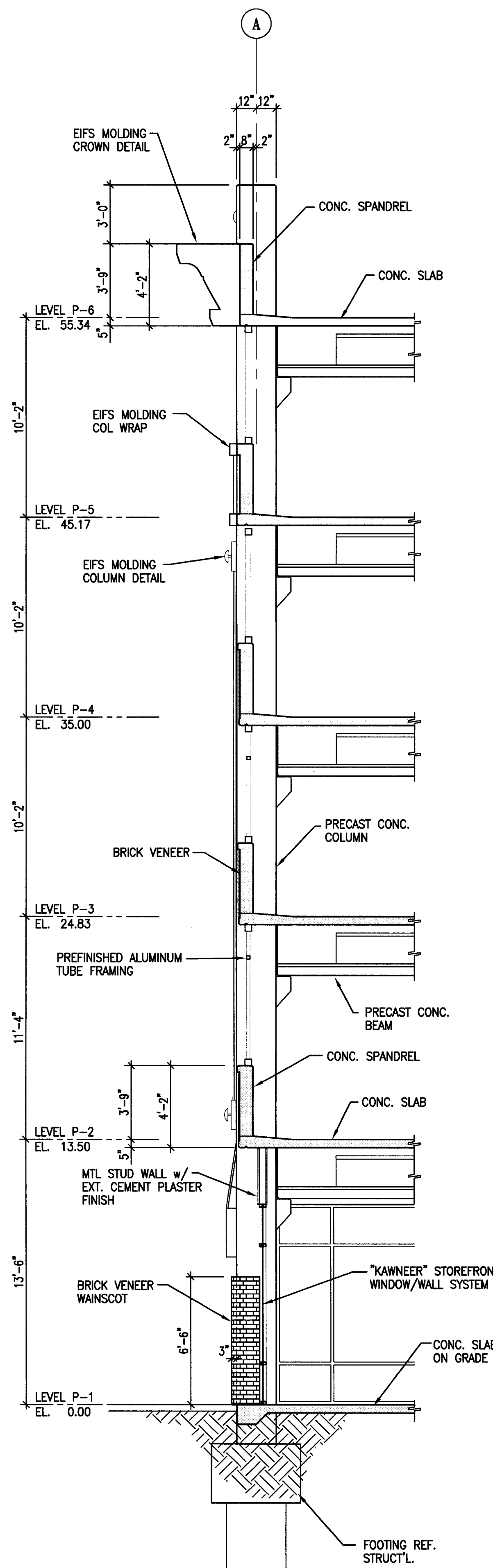
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3/11/05	PERMIT SET



SHEET TITLE
WALL SECTIONS

DATE 29, NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-6-2	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-6.2
 PROJECT NO:
 HNA 2319



5 WALL SECTION AT LINE A
 A-6.2 SCALE: 1/4" = 1'-0"

4 WALL SECTION AT LINE A
 A-6.2 SCALE: 1/4" = 1'-0"

3 WALL SECTION AT LINE 1
 A-6.2 SCALE: 1/4" = 1'-0"

2 WALL SECTION AT LINE 1
 A-6.2 SCALE: 1/4" = 1'-0"

1 WALL SECTION AT LINE 1
 A-6.2 SCALE: 1/4" = 1'-0"

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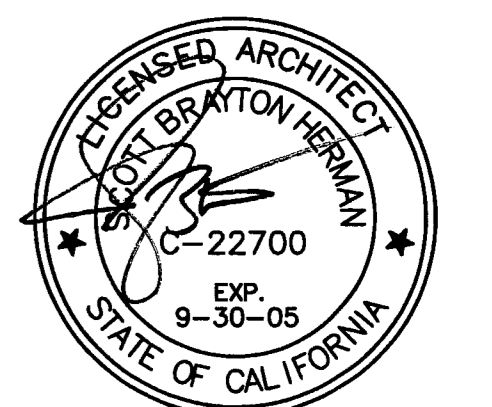
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Collins Electrical
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 Stockton, California 95203
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Mechanical Designer - Design/Builder
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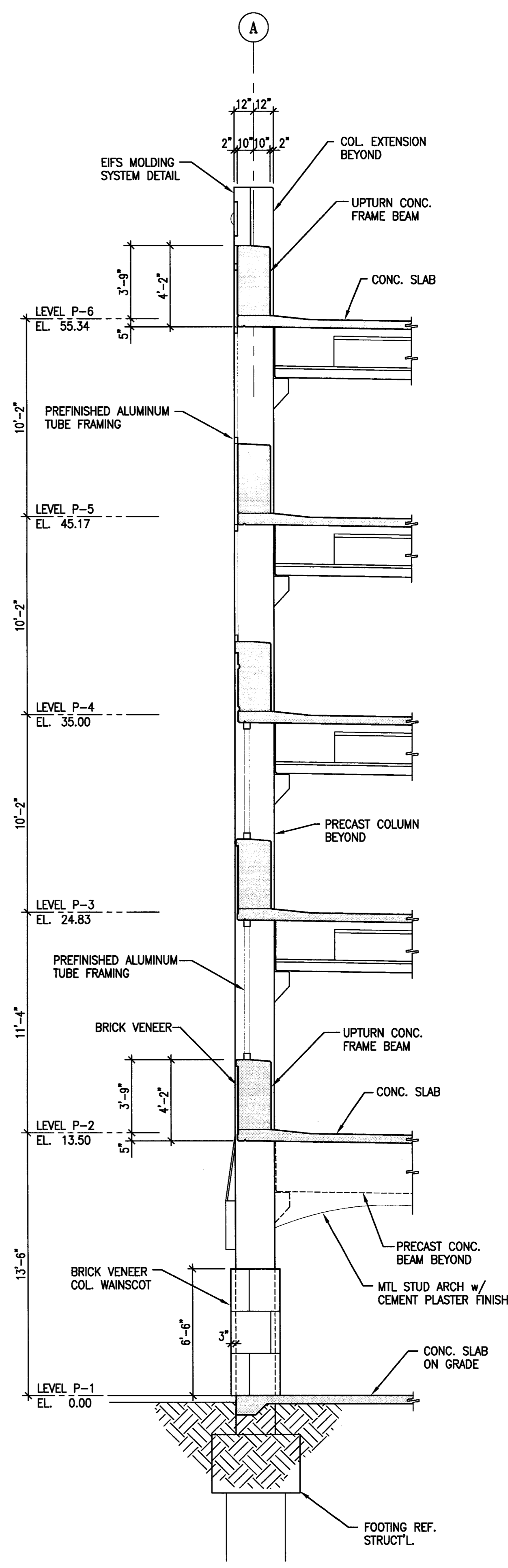
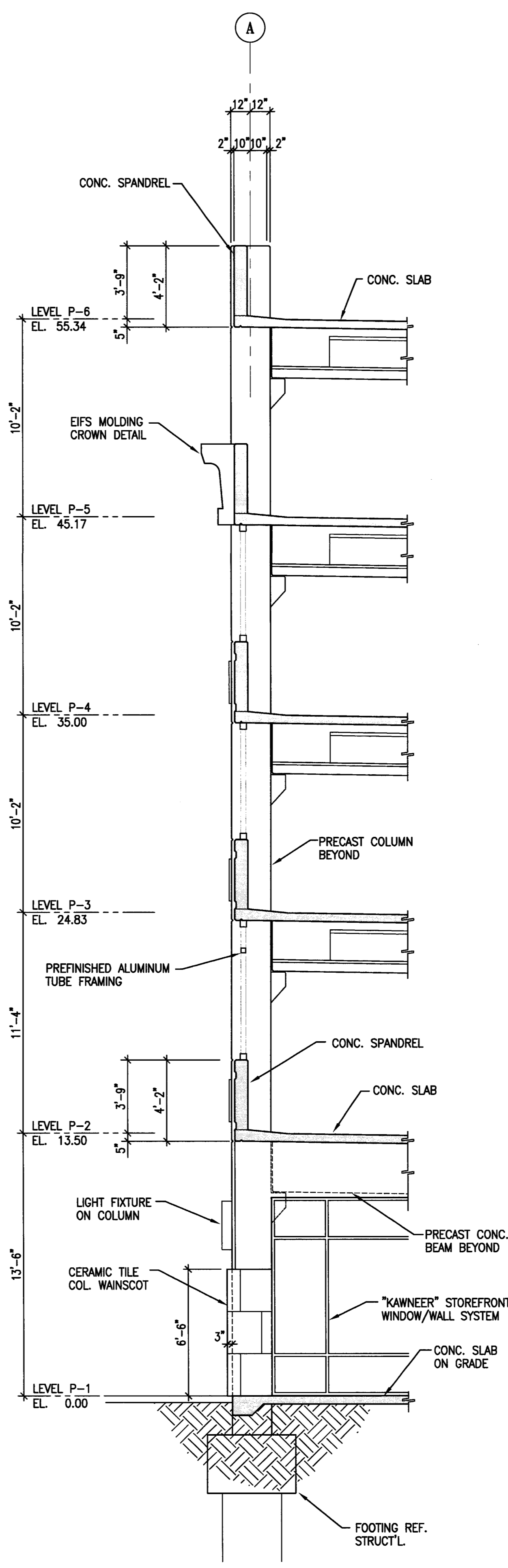
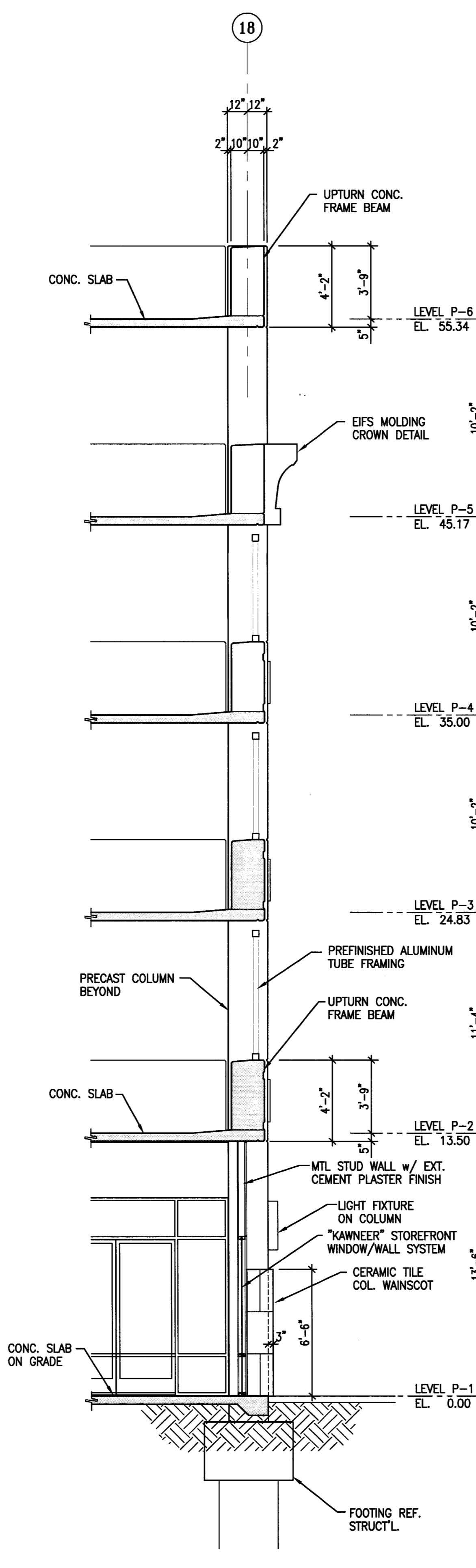
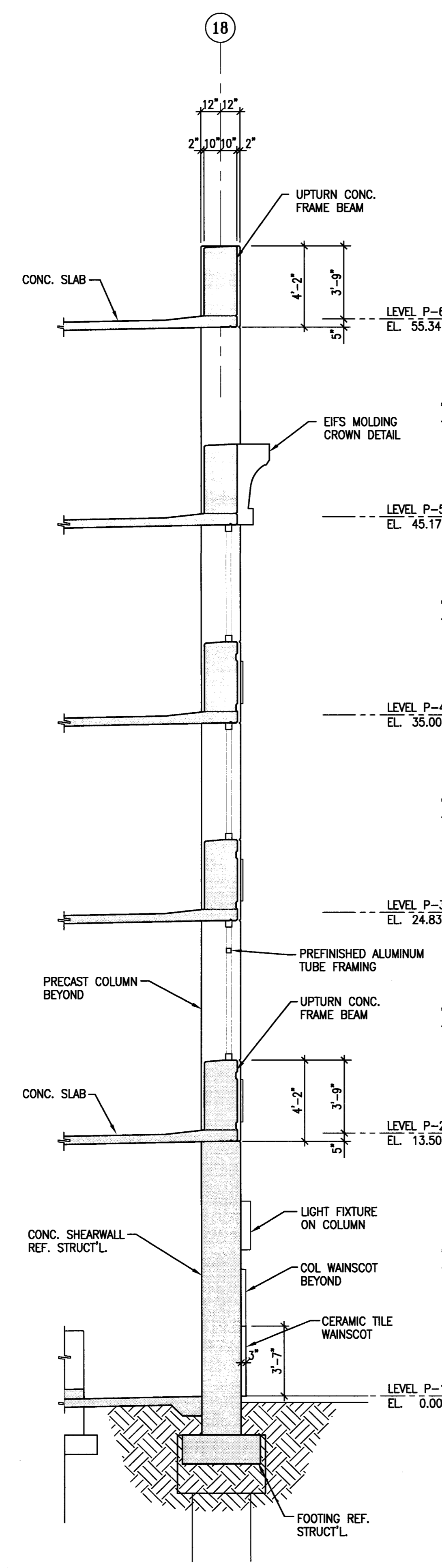
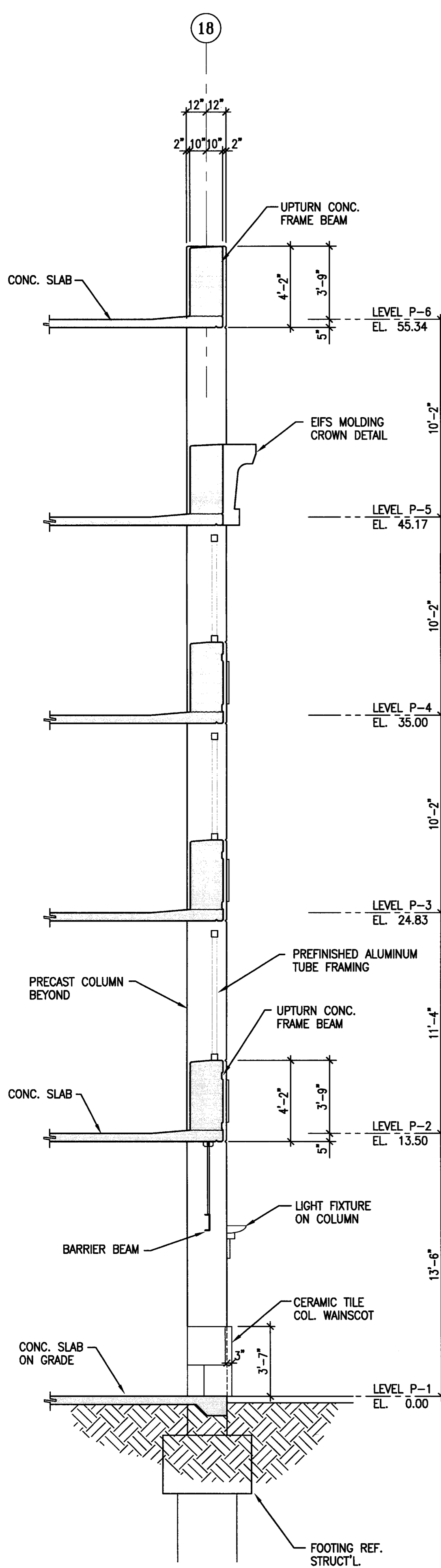
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3/11/05	PERMIT SET



SHEET TITLE
WALL SECTIONS

DATE	SCALE
28, NOV. 2004	1/4" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-6-3	
PROGRAM NO.	R-NO.

DRAWING NO:
A-6.3
 PROJECT NO:
 HNA 2319



10 WALL SECTION AT LINE 18
 A-6.3 SCALE: 1/4" = 1'-0"

9 WALL SECTION AT LINE 18
 A-6.3 SCALE: 1/4" = 1'-0"

8 WALL SECTION AT LINE 18
 A-6.3 SCALE: 1/4" = 1'-0"

7 WALL SECTION AT LINE A
 A-6.3 SCALE: 1/4" = 1'-0"

6 WALL SECTION AT LINE A
 A-6.3 SCALE: 1/4" = 1'-0"

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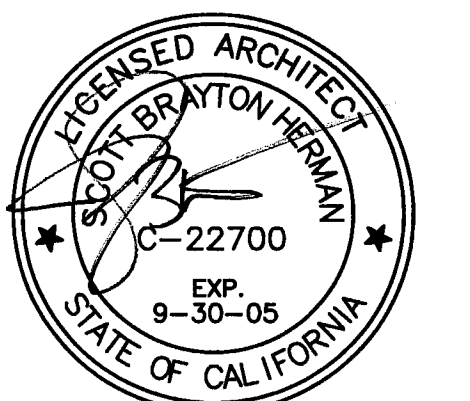
Electrical Designer - Design/Builder
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11/29/04	PLANCHCK SET
3/11/05	PERMIT SET

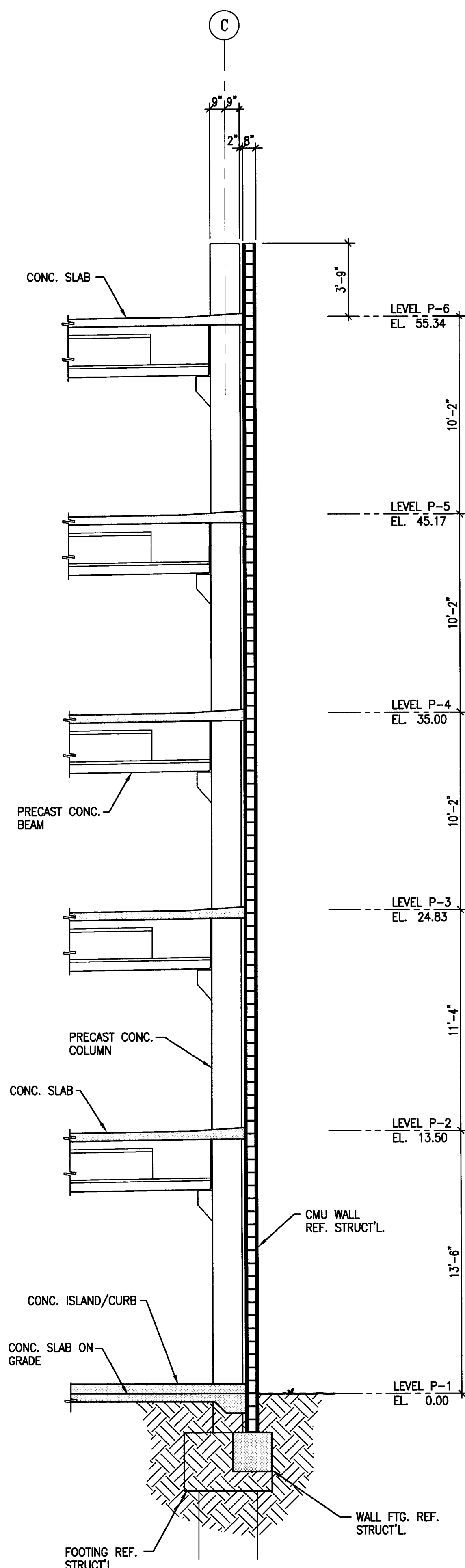


WALL SECTIONS

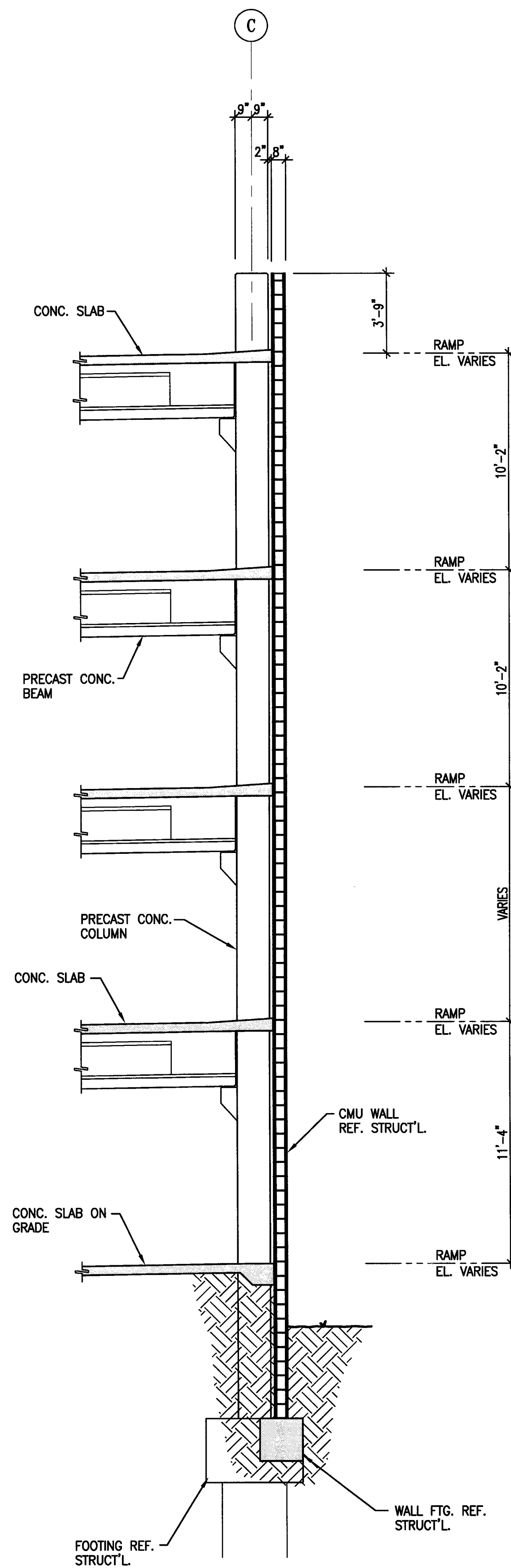
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DRAWN BY	CHECKED BY
ACL	SBH
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2319A-6-4	
PROGRAM NO.	R-NO.

DRAWING NO:
A-6.4

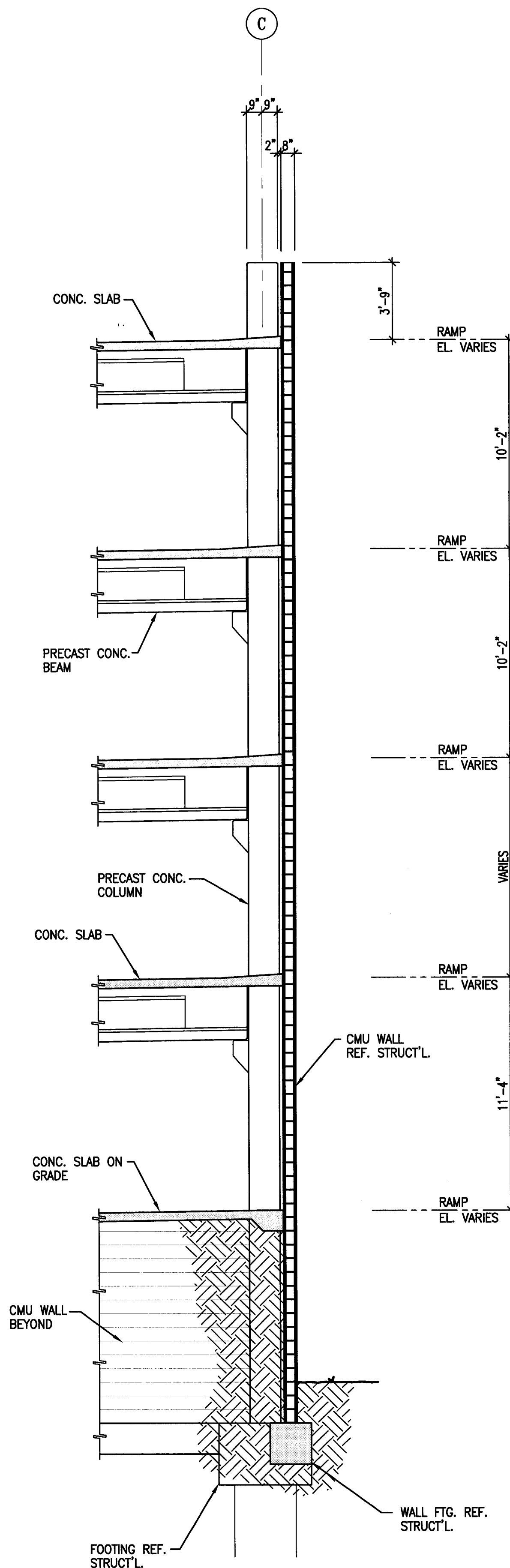
PROJECT NO:
 HNA 2319



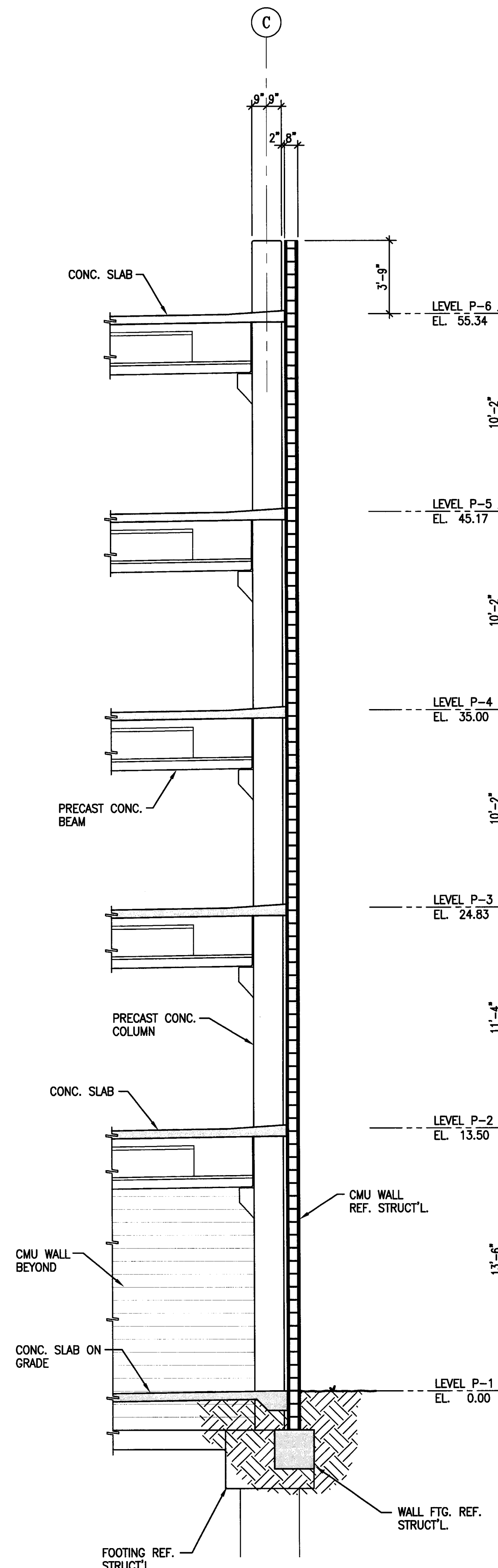
15 WALL SECTION AT LINE C
 SCALE: 1/4" = 1'-0"



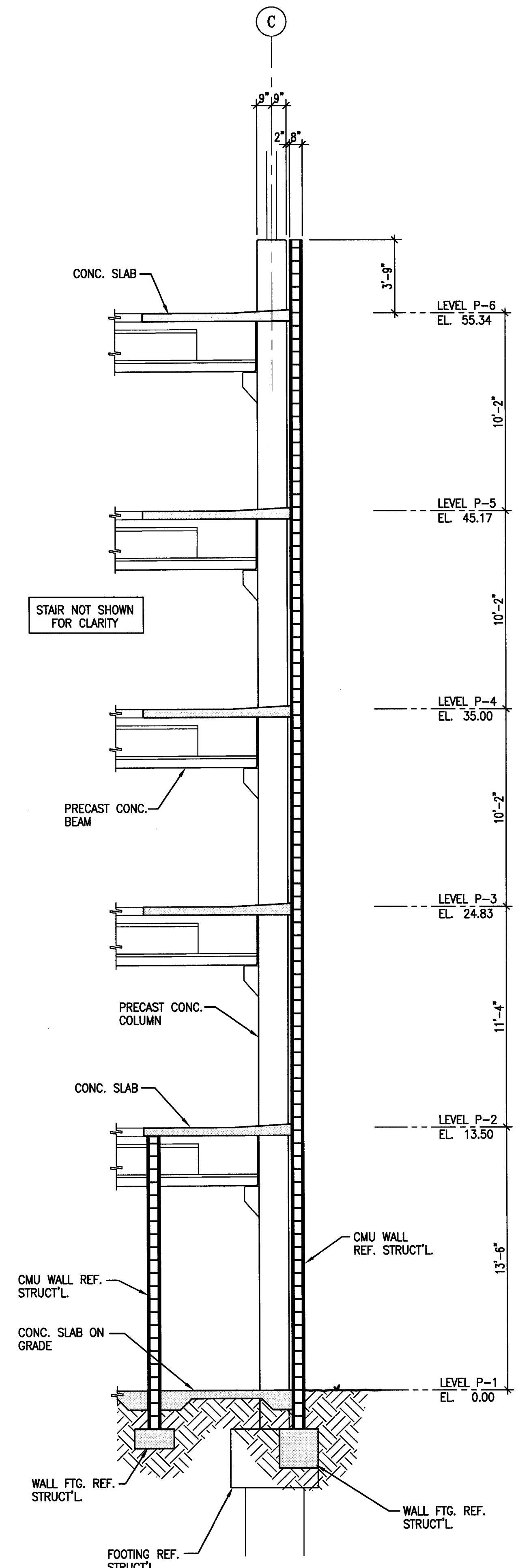
14 WALL SECTION AT LINE C
 SCALE: 1/4" = 1'-0"



13 WALL SECTION AT LINE C
 SCALE: 1/4" = 1'-0"



12 WALL SECTION AT LINE C
 SCALE: 1/4" = 1'-0"



11 WALL SECTION AT LINE C
 SCALE: 1/4" = 1'-0"

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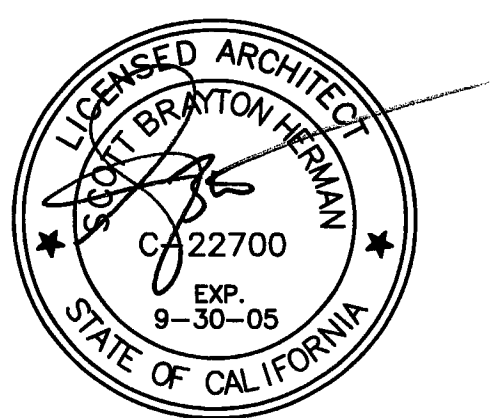
Plumbing Designer - Design/Builder
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Comfort Air
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209.466.4601

CONST. DOCUMENTS

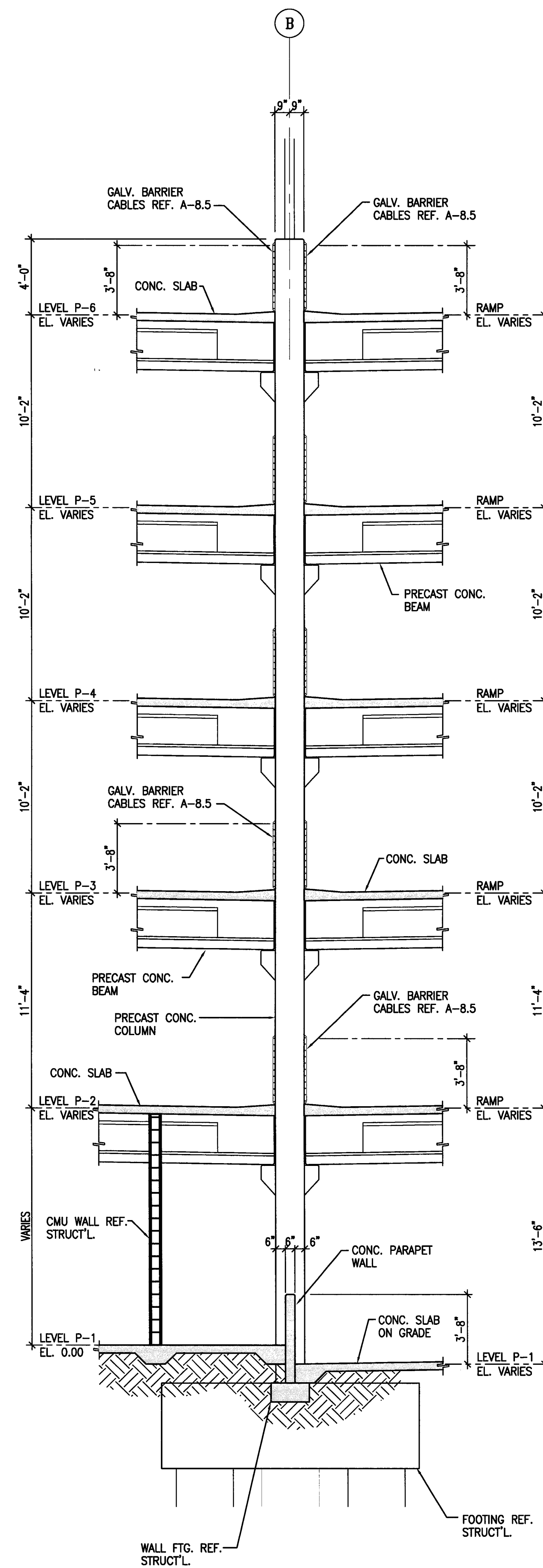
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11/29/04	PLANCHICK SET
3/11/05	PERMIT SET



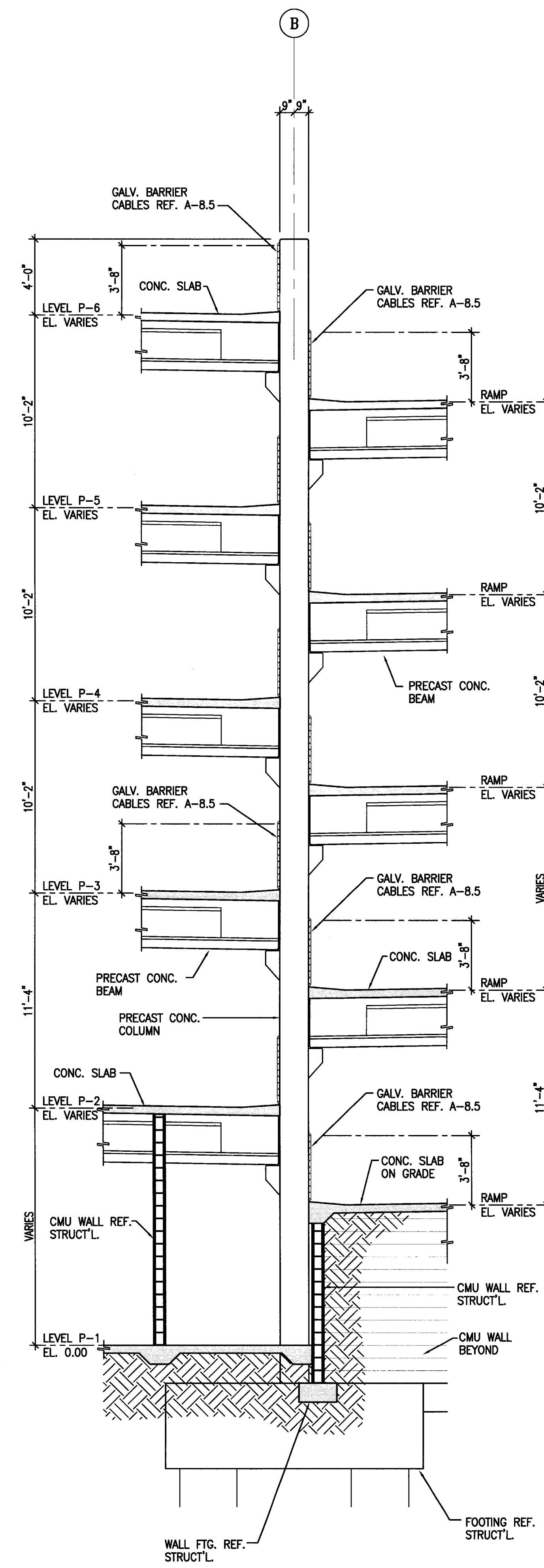
SHEET TITLE
WALL SECTIONS

DATE	SCALE
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DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-6-5	
PROGRAM NO.	R-NO.

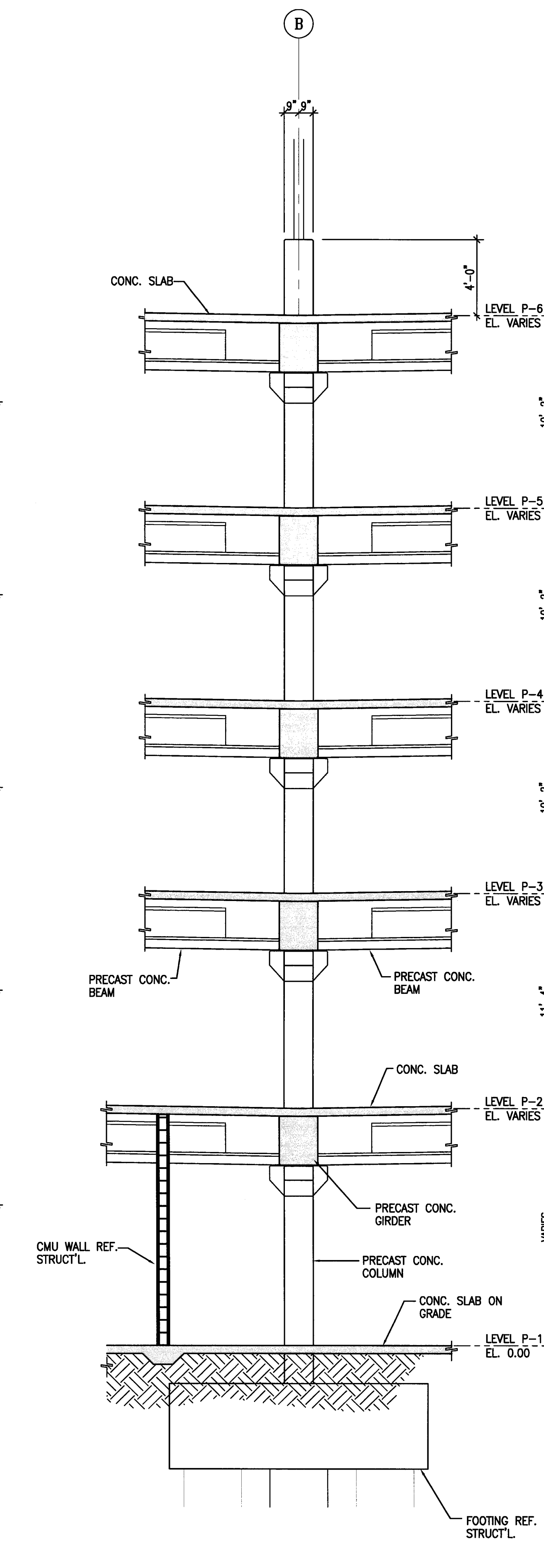
DRAWING NO:
A-6.5
PROJECT NO:
HNA 2319



18 WALL SECTION AT LINE B
A-6.5 SCALE: 1/4" = 1'-0"



17 WALL SECTION AT LINE B
A-6.5 SCALE: 1/4" = 1'-0"



16 WALL SECTION AT LINE B
A-6.5 SCALE: 1/4" = 1'-0"

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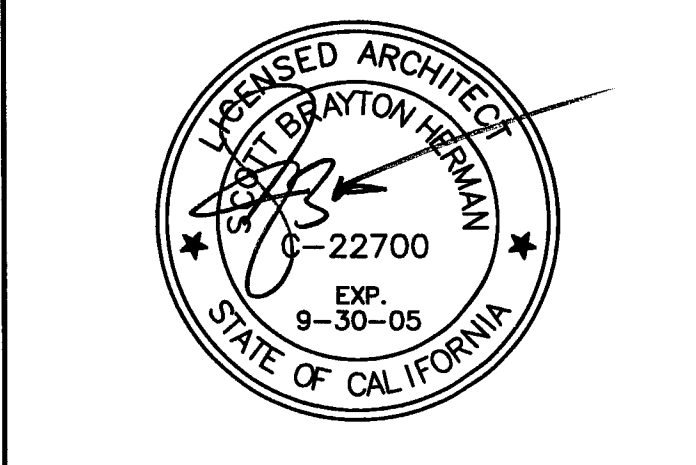
Electrical Designer - Design/Builder
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REVISIONS:

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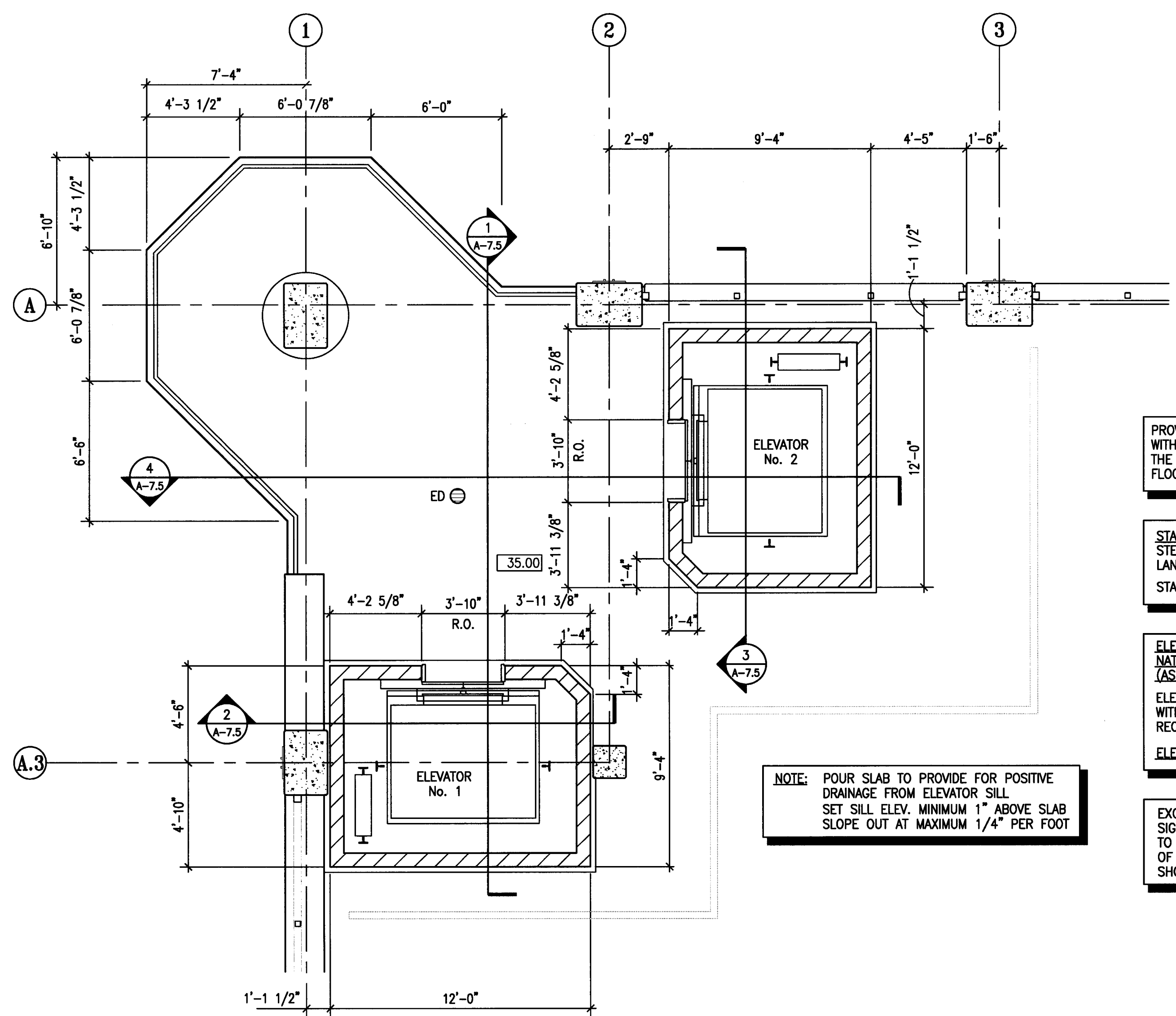


SHEET TITLE
ELEV. No. 1 & 2
& STAIR No. 3
ENLARGED PLANS

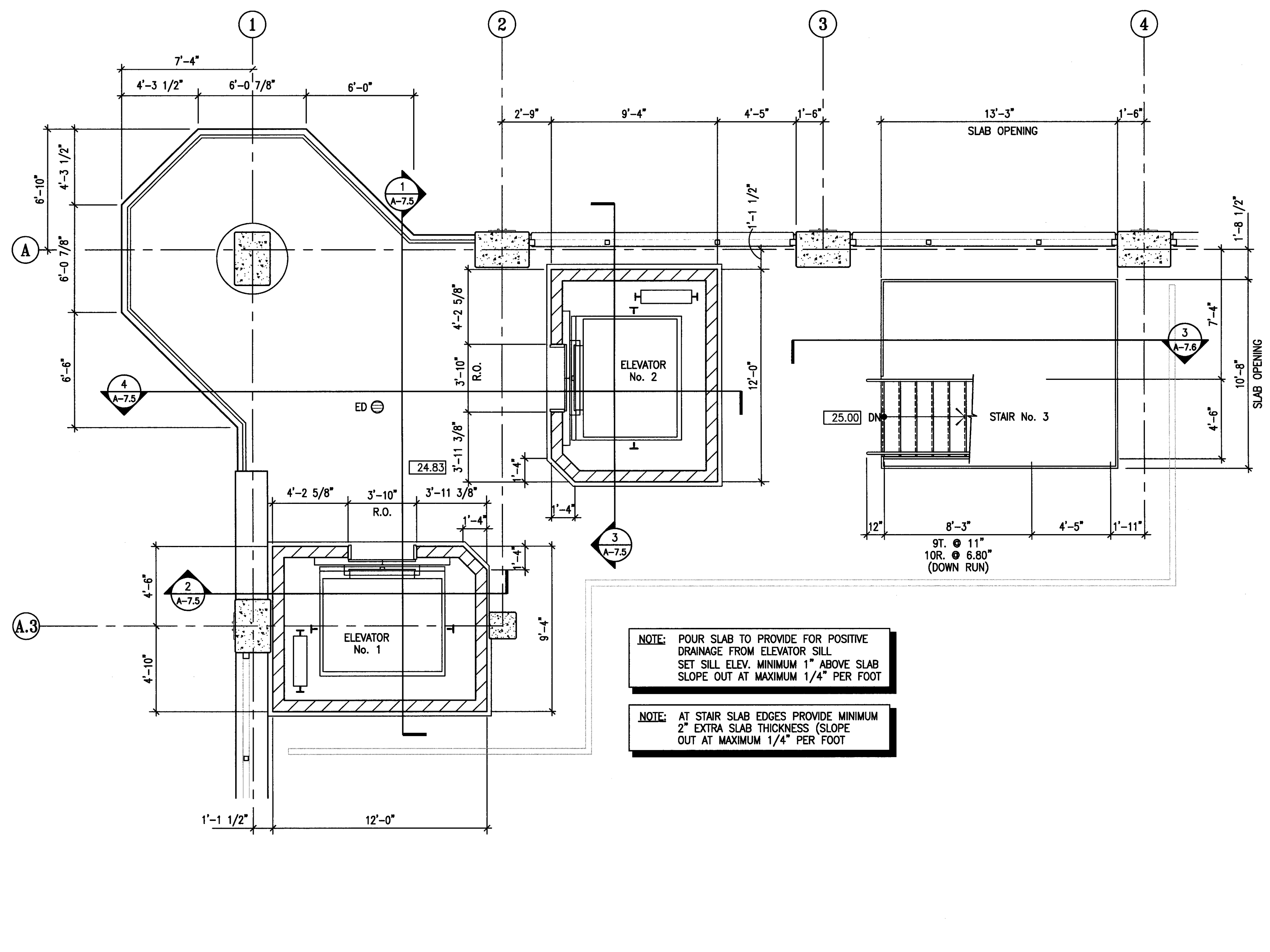
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DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	A-7.1	SHEET	
PROGRAM NO.	R-NO.		

DRAWING NO: **A-7.1**

PROJECT NO: **HNA 2319**



4 ELEVATOR #1 & #2 ENLARGED PLANS - LEVEL P-4
 SCALE: 1/4" = 1'-0"



3 ELEVATOR #1 & #2 AND STAIR #3 ENLARGED PLANS - LEVEL P-3
 SCALE: 1/4" = 1'-0"

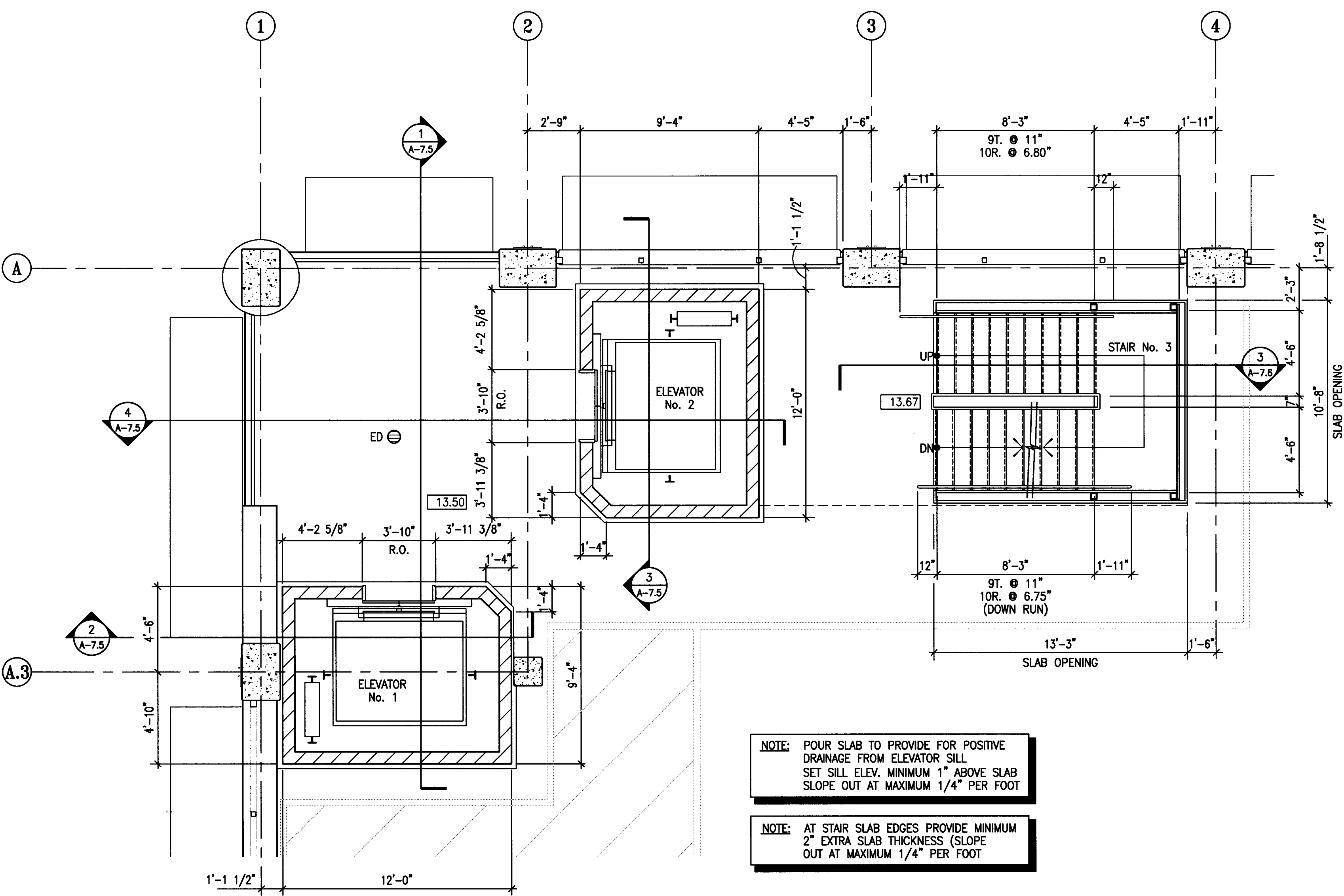
PROVIDE STAIRWAY IDENTIFICATION AS PER C.B.C. 1103.2.4.2, WITH RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS. THE SIGNS SHALL BE LOCATED 5 FEET ABOVE THE FINISHED FLOOR AND IMMEDIATELY NEXT TO THE STAIR AT EACH LEVEL.

STAIRS ARE DESIGN-BUILD ITEM FOR PROJECT AND SHALL BE STEEL FRAMED WITH CONCRETE FILLED METAL PAN TREADS AND LANDINGS. SEE A-8.1/A-8.2 FOR TYP. HANDRAILS/GUARDRAILS. STAIRS, HANDRAILS, GUARDRAILS ARE TO BE PAINTED, TYPICAL.

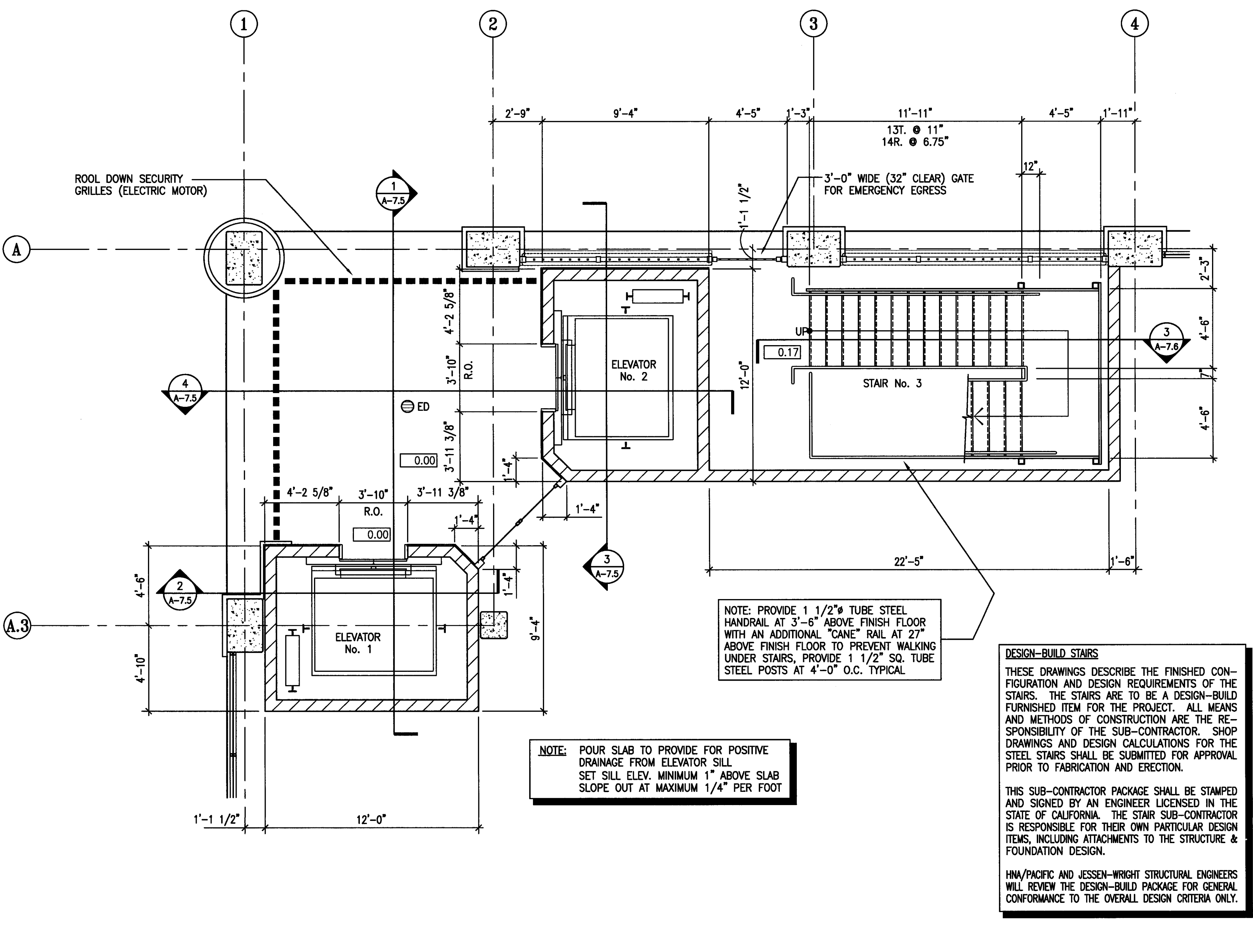
ELEVATORS TO COMPLY WITH C.B.C. CHAPTER 30, and AMERICAN NATIONAL STANDARD SAFETY CODE FOR ELEVATORS, ESCALATORS (ASME A17.1).
 ELEVATOR LOBBY AREA AND MACHINE ROOM SHALL BE PROVIDED WITH AN APPROVED, LISTED SMOKE DETECTOR FOR ELEVATOR RECALL ONLY. PER C.B.C. SECTION 3003.2
 ELEVATOR MACHINE ROOMS SHALL COMPLY WITH SECTION 3005.

EXCEPT AT THE MAIN ENTRANCE LEVEL, AN APPROVED PICTORIAL SIGN OF A STANDARDIZED DESIGN SHALL BE POSTED ADJACENT TO EACH ELEVATOR CALL STATION TO INDICATE THAT, "IN CASE OF FIRE, ELEVATOR WILL NOT OPERATE AND THAT EXIT STAIRWAYS SHOULD BE USED"

NOTE: POUR SLAB TO PROVIDE FOR POSITIVE DRAINAGE FROM ELEVATOR SILL. SET SILL ELEV. MINIMUM 1" ABOVE SLAB. SLOPE OUT AT MAXIMUM 1/4" PER FOOT



2 ELEVATOR #1 & #2 AND STAIR #3 ENLARGED PLANS - LEVEL P-2
 SCALE: 1/4" = 1'-0"



1 ELEVATOR #1 & #2 AND STAIR #3 ENLARGED PLANS - LEVEL P-1
 SCALE: 1/4" = 1'-0"

NOTE: POUR SLAB TO PROVIDE FOR POSITIVE DRAINAGE FROM ELEVATOR SILL. SET SILL ELEV. MINIMUM 1" ABOVE SLAB. SLOPE OUT AT MAXIMUM 1/4" PER FOOT

NOTE: AT STAIR SLAB EDGES PROVIDE MINIMUM 2" EXTRA SLAB THICKNESS. SLOPE OUT AT MAXIMUM 1/4" PER FOOT

NOTE: PROVIDE 1 1/2" TUBE STEEL HANDRAIL AT 3'-6" ABOVE FINISH FLOOR WITH AN ADDITIONAL "CANE" RAIL AT 27" ABOVE FINISH FLOOR TO PREVENT WALKING UNDER STAIRS, PROVIDE 1 1/2" SQ. TUBE STEEL POSTS AT 4'-0" O.C. TYPICAL

DESIGN-BUILD STAIRS
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HNA/PACIFIC AND JESSEN-WRIGHT STRUCTURAL ENGINEERS WILL REVIEW THE DESIGN-BUILD PACKAGE FOR GENERAL CONFORMANCE TO THE OVERALL DESIGN CRITERIA ONLY.

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 208.931.3738

CONSULTANTS:
 Architect - Permit Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.6670

Design Architect
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 246 E. Main Street
 Stockton, California 95202
 208.944.9110

Structural Engineer
Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

CEI Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 208.943.2021

Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 208.931.9650

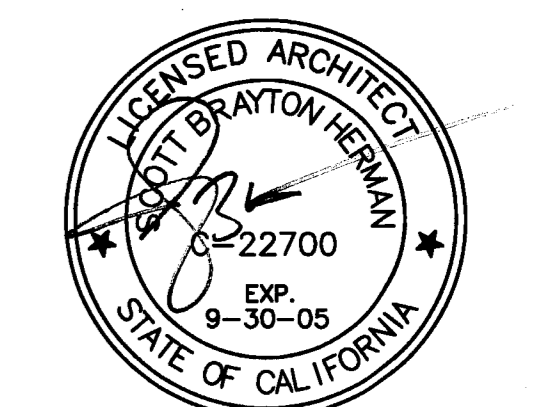
Electrical Designer - Design/Builder
Colinas Electrical
 611 W. Fremont Street
 Stockton, California 95203
 208.466.3681

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 208.466.4601

CONST. DOCUMENTS

REVISIONS:

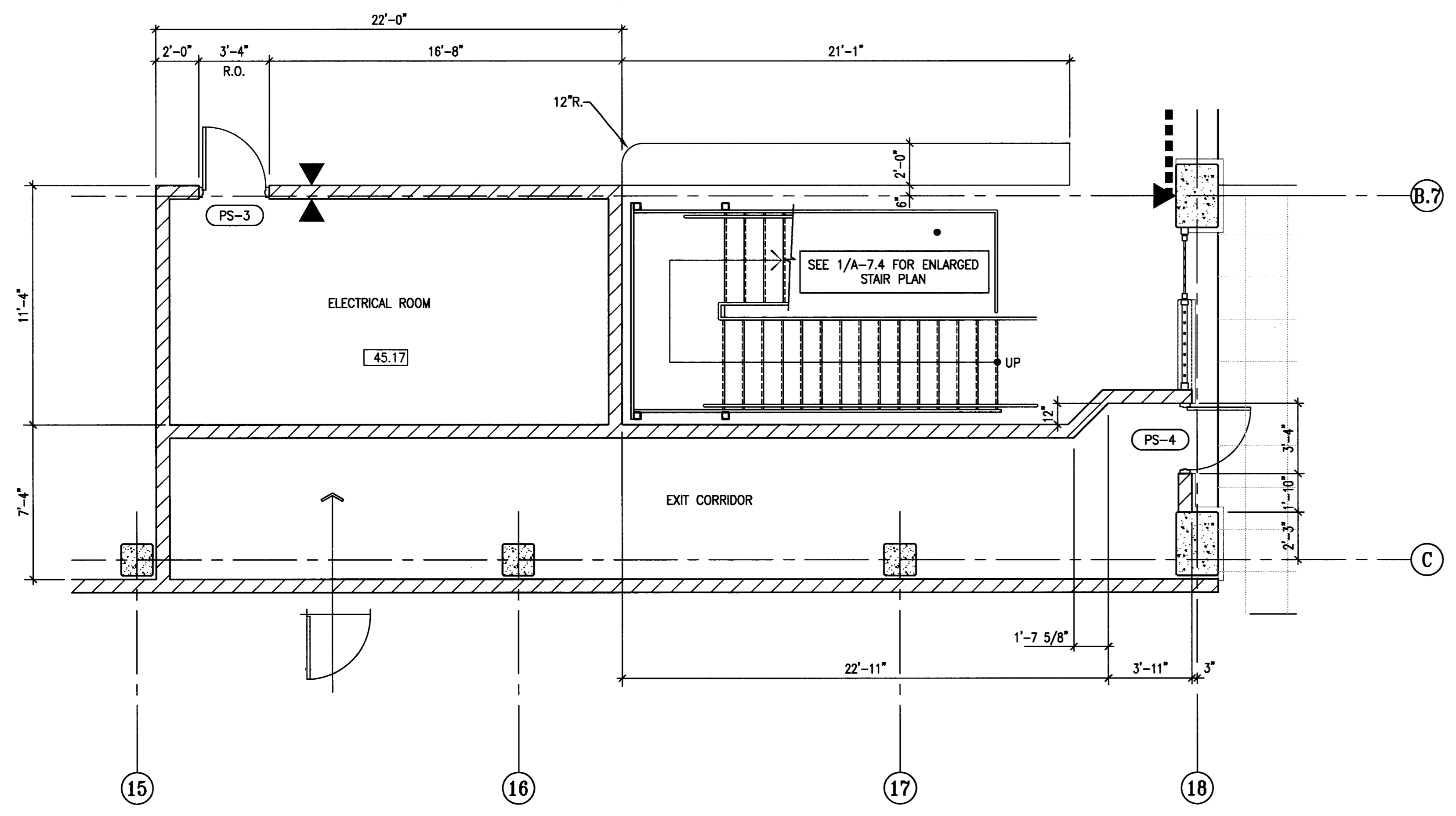
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



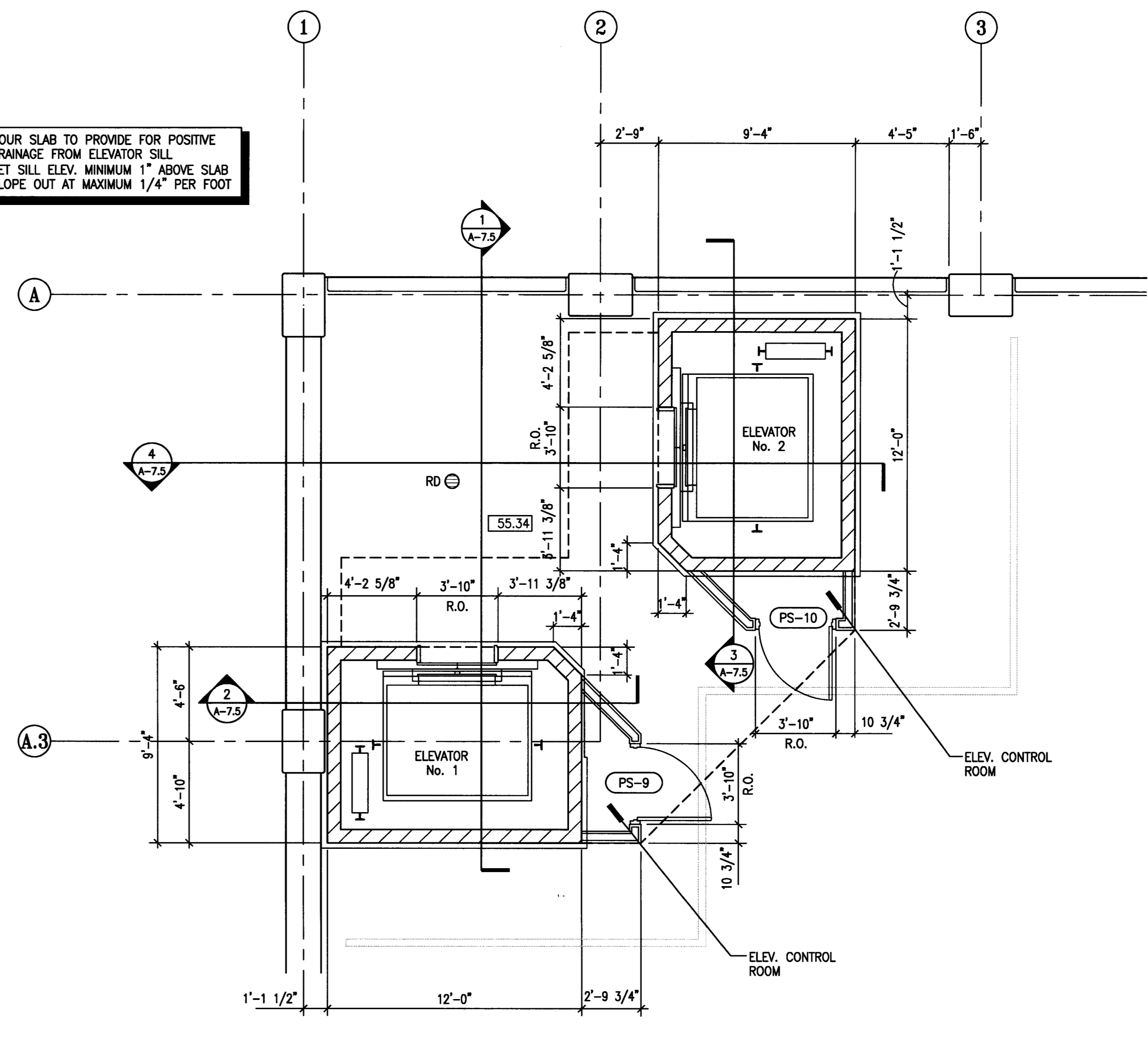
SHEET TITLE
ELEV. No. 1 & 2 ENLARGED PLANS

DATE	SCALE
29, NOV. 2004	1/4" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
A-72	
PROGRAM NO.	R-NO.

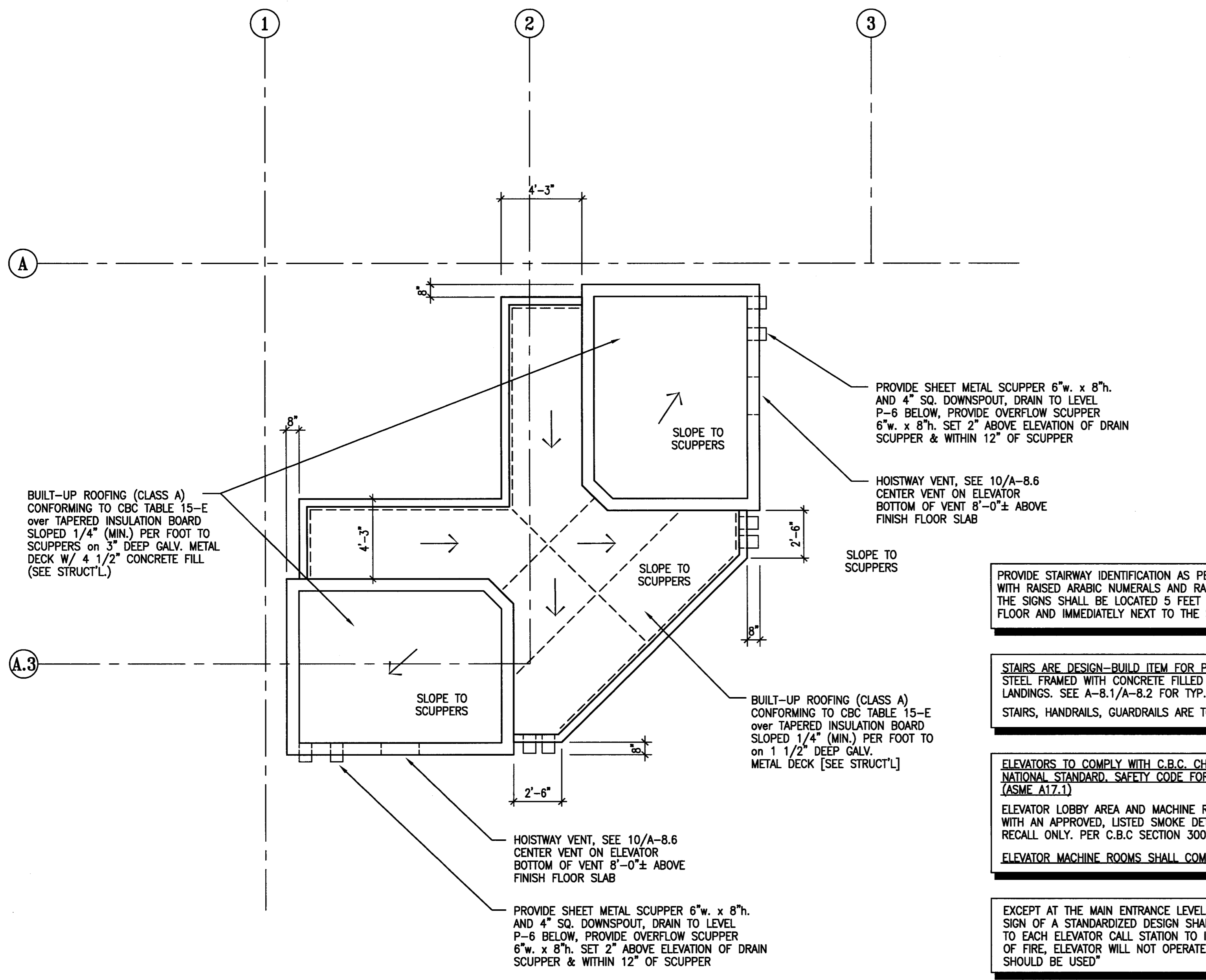
DRAWING NO:
A-72
 PROJECT NO:
HNA 2319



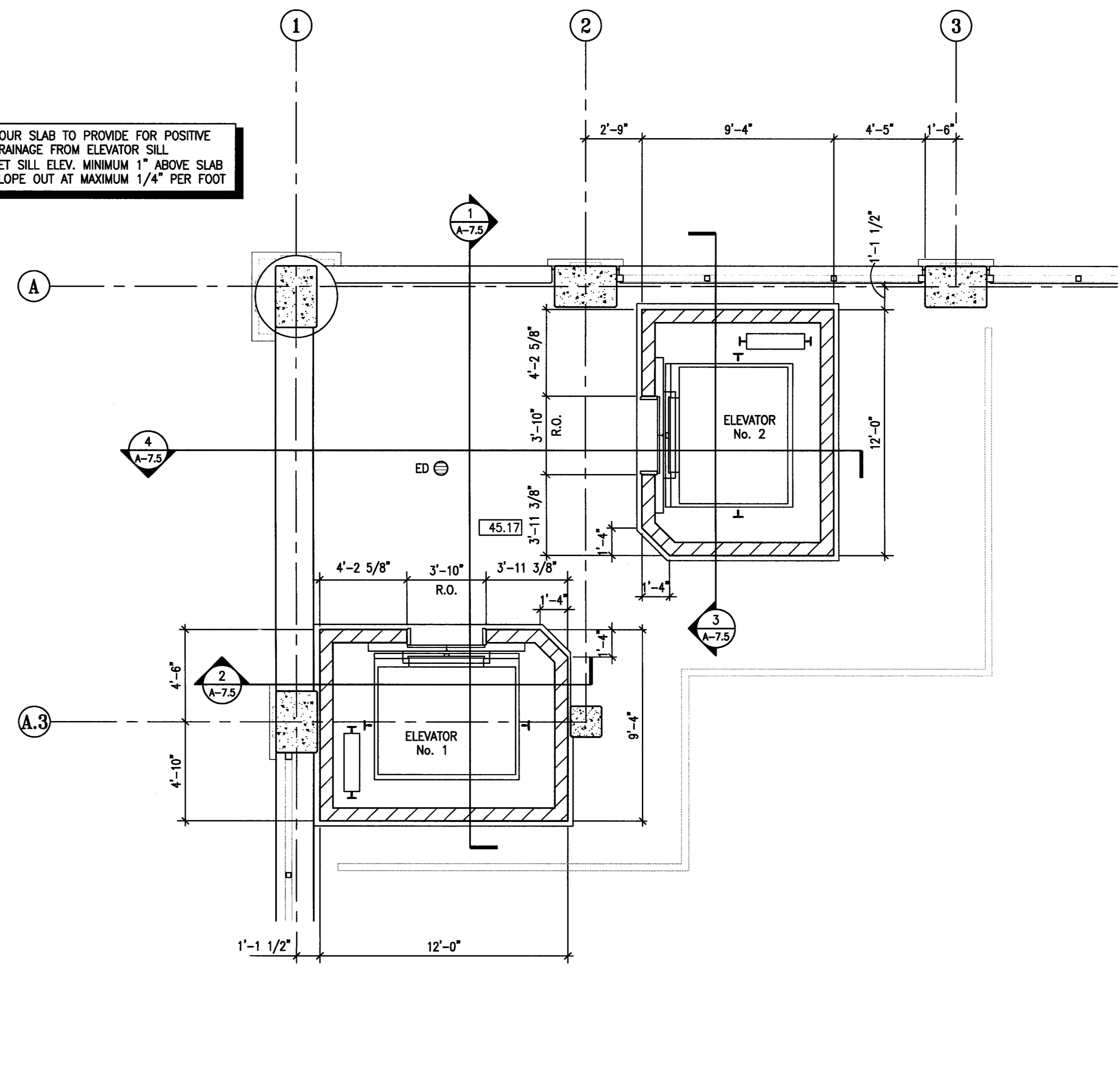
4 ELECTRICAL ROOM ENLARGED PLAN - LEVEL P-1
 SCALE: 1/4" = 1'-0"



2 ELEVATOR #1 & #2 ENLARGED PLANS - LEVEL P-6
 SCALE: 1/4" = 1'-0"



3 ELEVATOR #1 & #2 ENLARGED PLANS - ROOF PLAN
 SCALE: 1/4" = 1'-0"



1 ELEVATOR #1 & #2 ENLARGED PLANS - LEVEL P-5
 SCALE: 1/4" = 1'-0"

- PROVIDE STAIRWAY IDENTIFICATION AS PER C.B.C. 1103.2.4.2, WITH RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS. THE SIGNS SHALL BE LOCATED 5 FEET ABOVE THE FINISHED FLOOR AND IMMEDIATELY NEXT TO THE STAIR AT EACH LEVEL.
- STAIRS ARE DESIGN-BUILD ITEM FOR PROJECT AND SHALL BE STEEL FRAMED WITH CONCRETE FILLED METAL PAN TREADS AND LANDINGS. SEE A-8.1/A-8.2 FOR TYP. HANDRAILS/GUARDRAILS. STAIRS, HANDRAILS, GUARDRAILS ARE TO BE PAINTED, TYPICAL.
- ELEVATORS TO COMPLY WITH C.B.C. CHAPTER 30, and AMERICAN NATIONAL STANDARD SAFETY CODE FOR ELEVATORS, ESCALATORS (ASME A17.1).
- ELEVATOR LOBBY AREA AND MACHINE ROOM SHALL BE PROVIDED WITH AN APPROVED, LISTED SMOKE DETECTOR FOR ELEVATOR RECALL ONLY. PER C.B.C SECTION 3003.2
- ELEVATOR MACHINE ROOMS SHALL COMPLY WITH SECTION 3005.
- EXCEPT AT THE MAIN ENTRANCE LEVEL, AN APPROVED PICTORIAL SIGN OF A STANDARDIZED DESIGN SHALL BE POSTED ADJACENT TO EACH ELEVATOR CALL STATION TO INDICATE THAT, "IN CASE OF FIRE, ELEVATOR WILL NOT OPERATE AND THAT EXIT STAIRWAYS SHOULD BE USED"
- (PS-1) INDICATES DOOR TYPE, REF. A-8.5 FOR SCHEDULE AND DOOR DETAILS

CITY OF STOCKTON
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STOCKTON, CALIFORNIA

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 209.943.2021

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 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
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 Stockton, California 95201
 209.466.4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

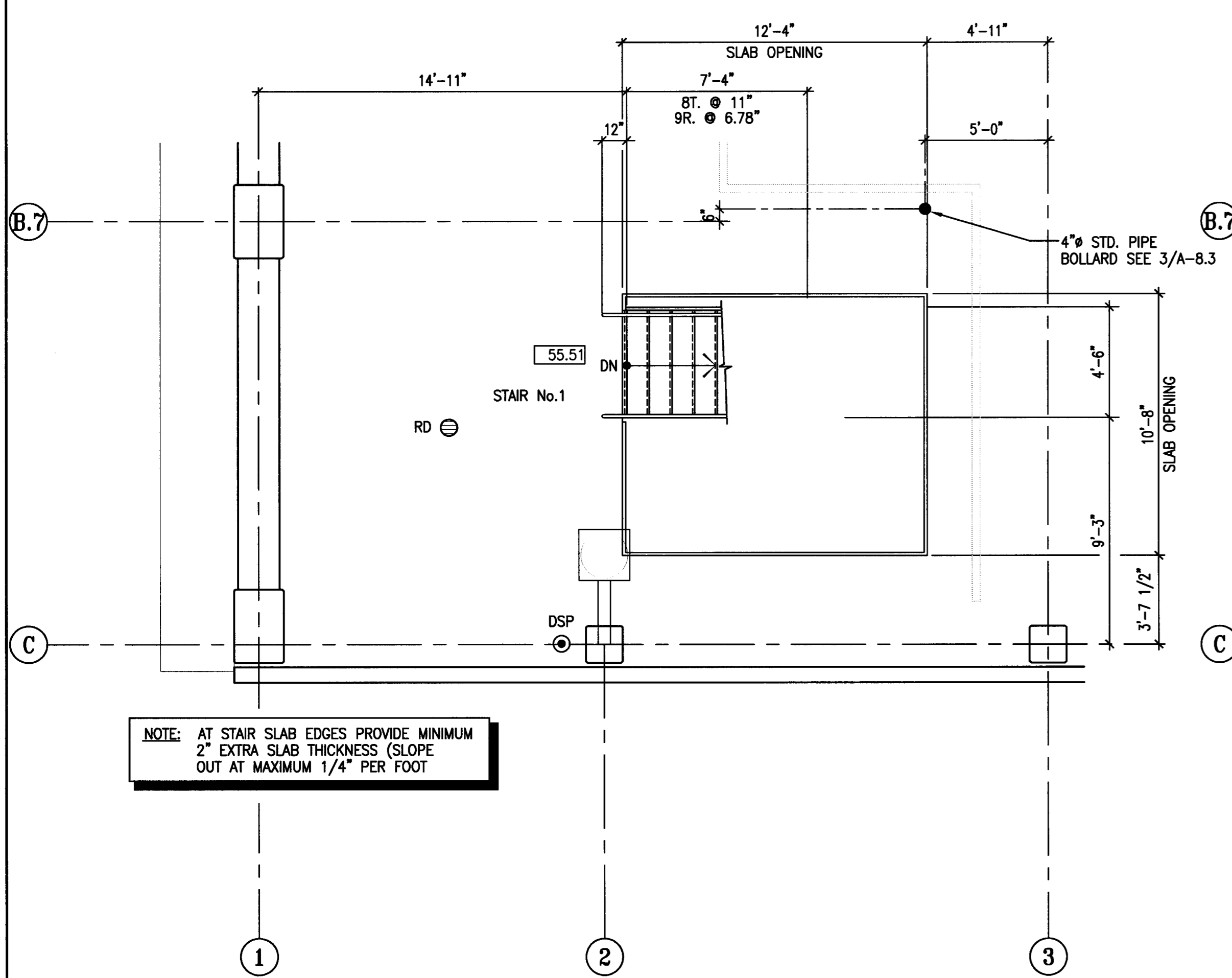


SHEET TITLE
STAIR No. 1 ENLARGED PLANS

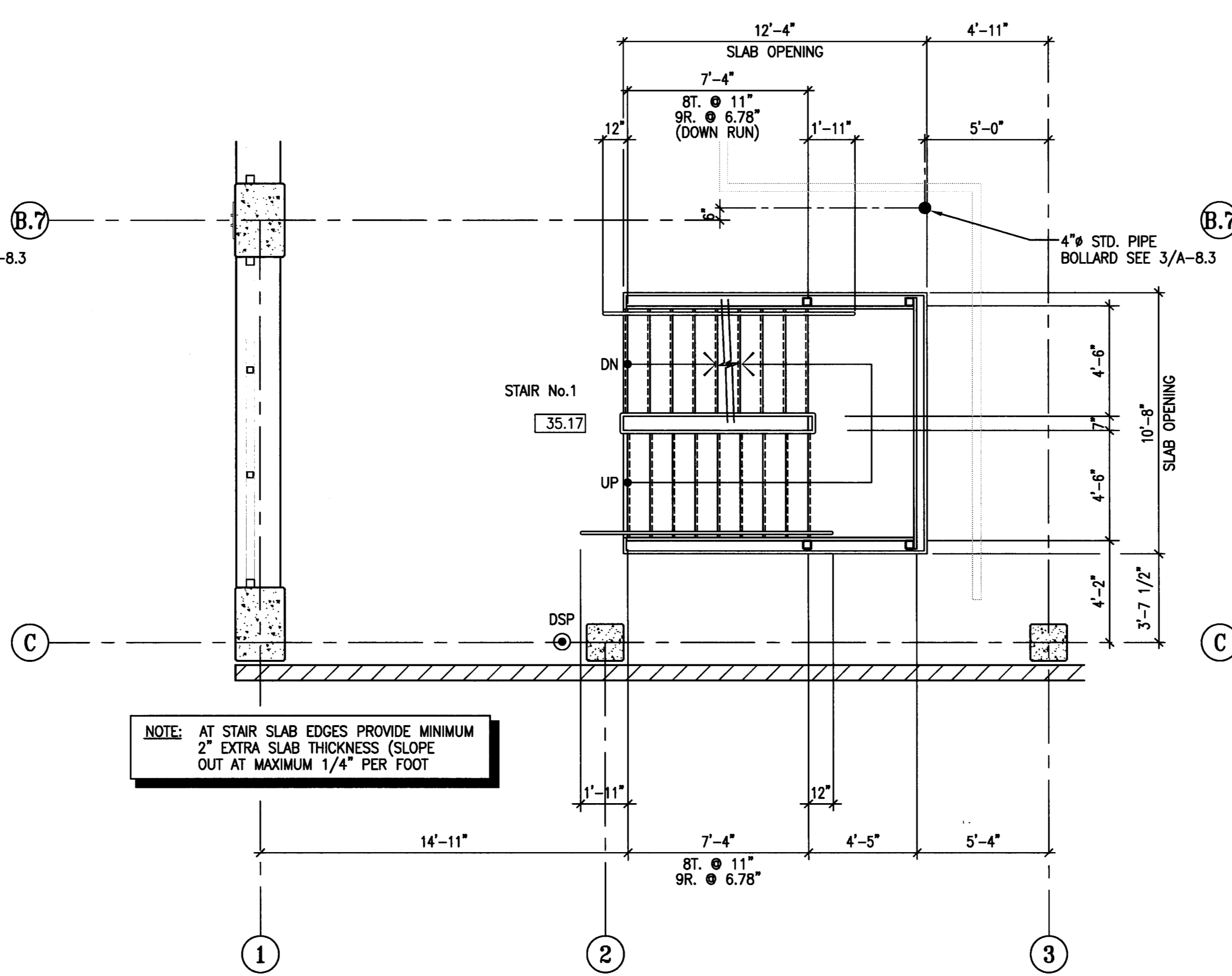
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DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	A-73	SHEET	
PROGRAM NO.	R-NO.		

DRAWING NO:
A-73

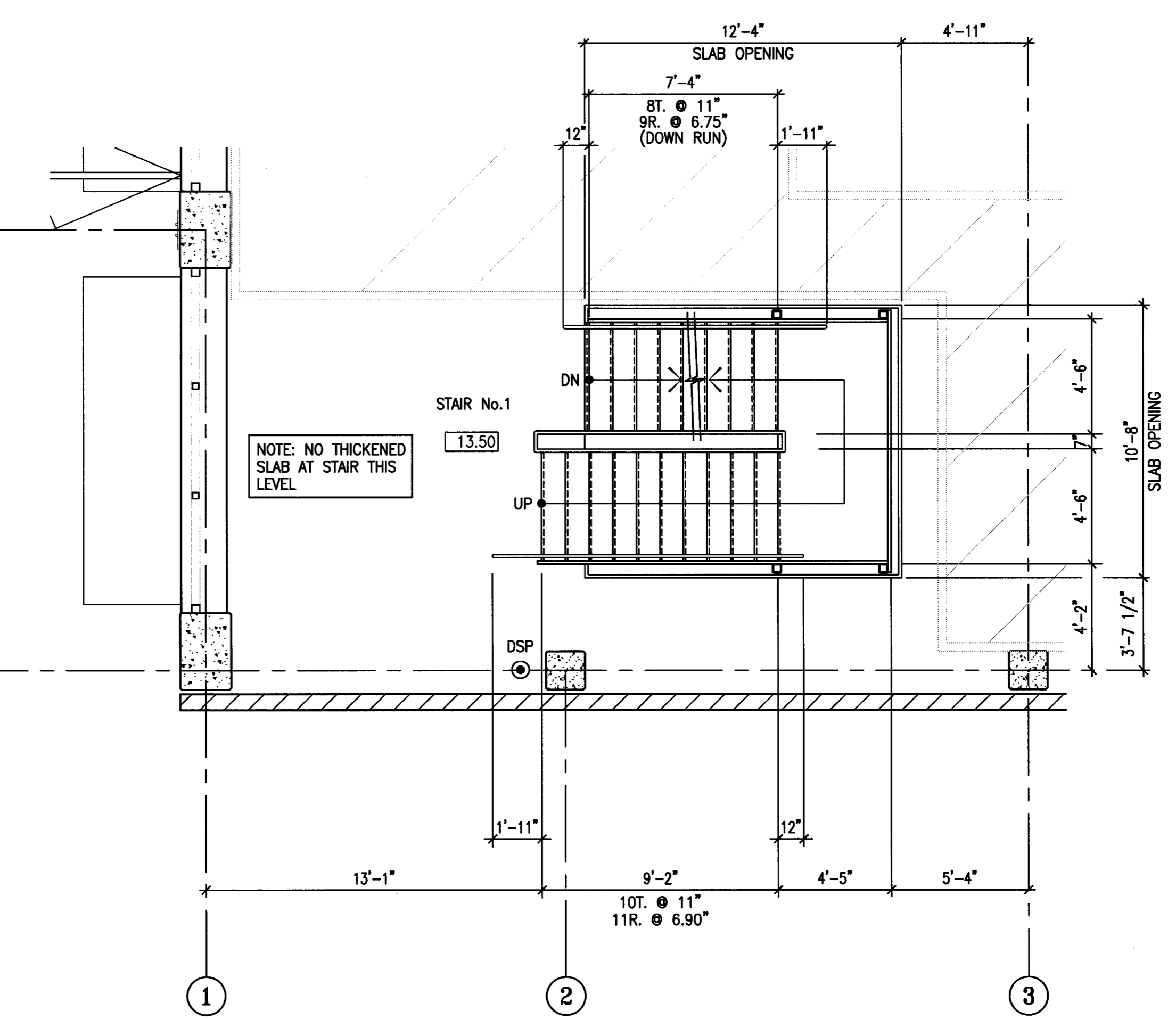
PROJECT NO:
 HNA 2319



6 STAIR #1 ENLARGED PLANS - LEVEL P-6
 SCALE: 1/4" = 1'-0"



4 STAIR #1 ENLARGED PLANS - LEVEL P-4
 SCALE: 1/4" = 1'-0"



2 STAIR #1 ENLARGED PLANS - LEVEL P-2
 SCALE: 1/4" = 1'-0"

PROVIDE STARWAY IDENTIFICATION AS PER C.B.C. 1103.2.4.2 WITH RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS. THE SIGNS SHALL BE LOCATED 5 FEET ABOVE THE FINISHED FLOOR AND IMMEDIATELY NEXT TO THE STAIR AT EACH LEVEL.

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DESIGN-BUILD STAIRS

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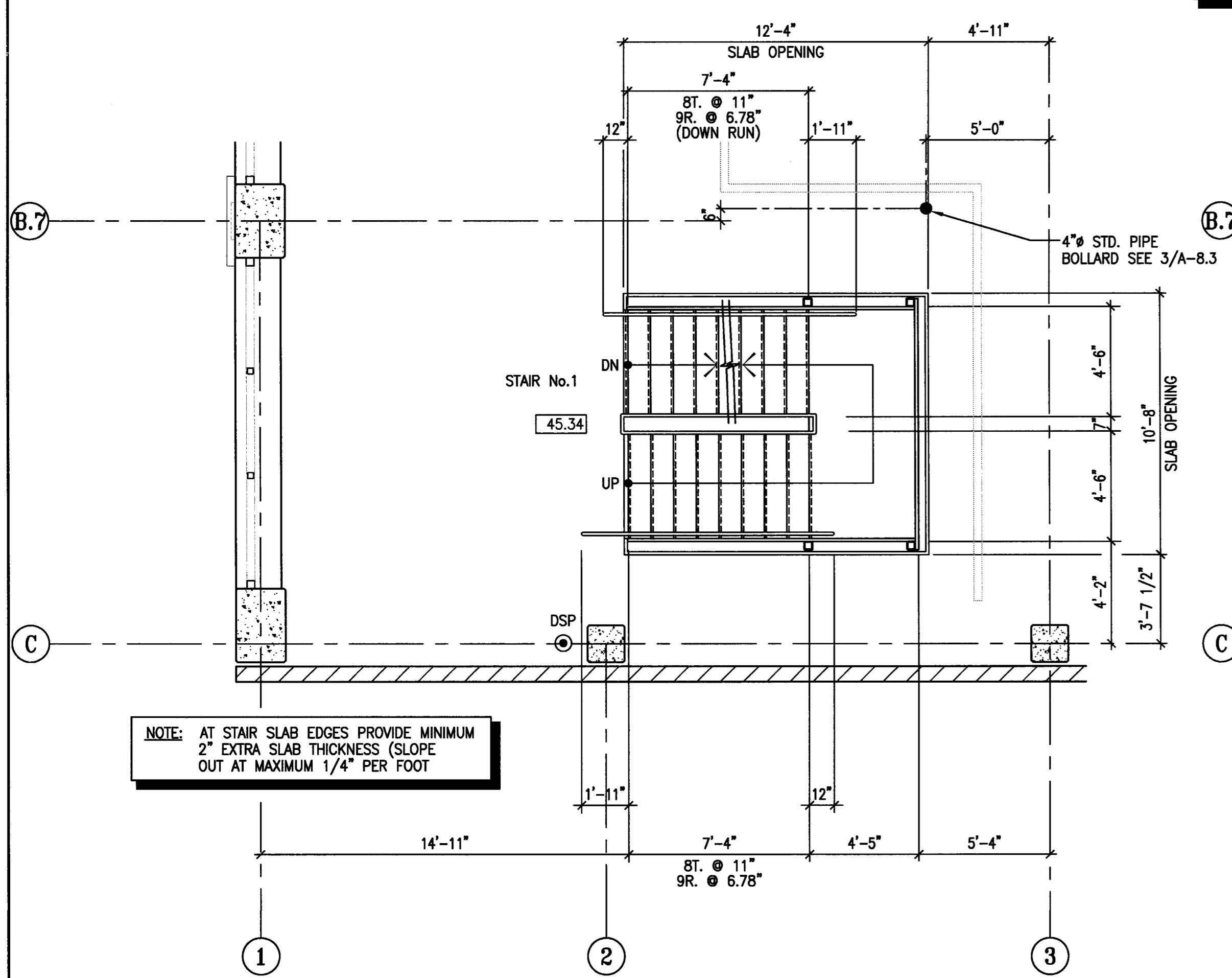
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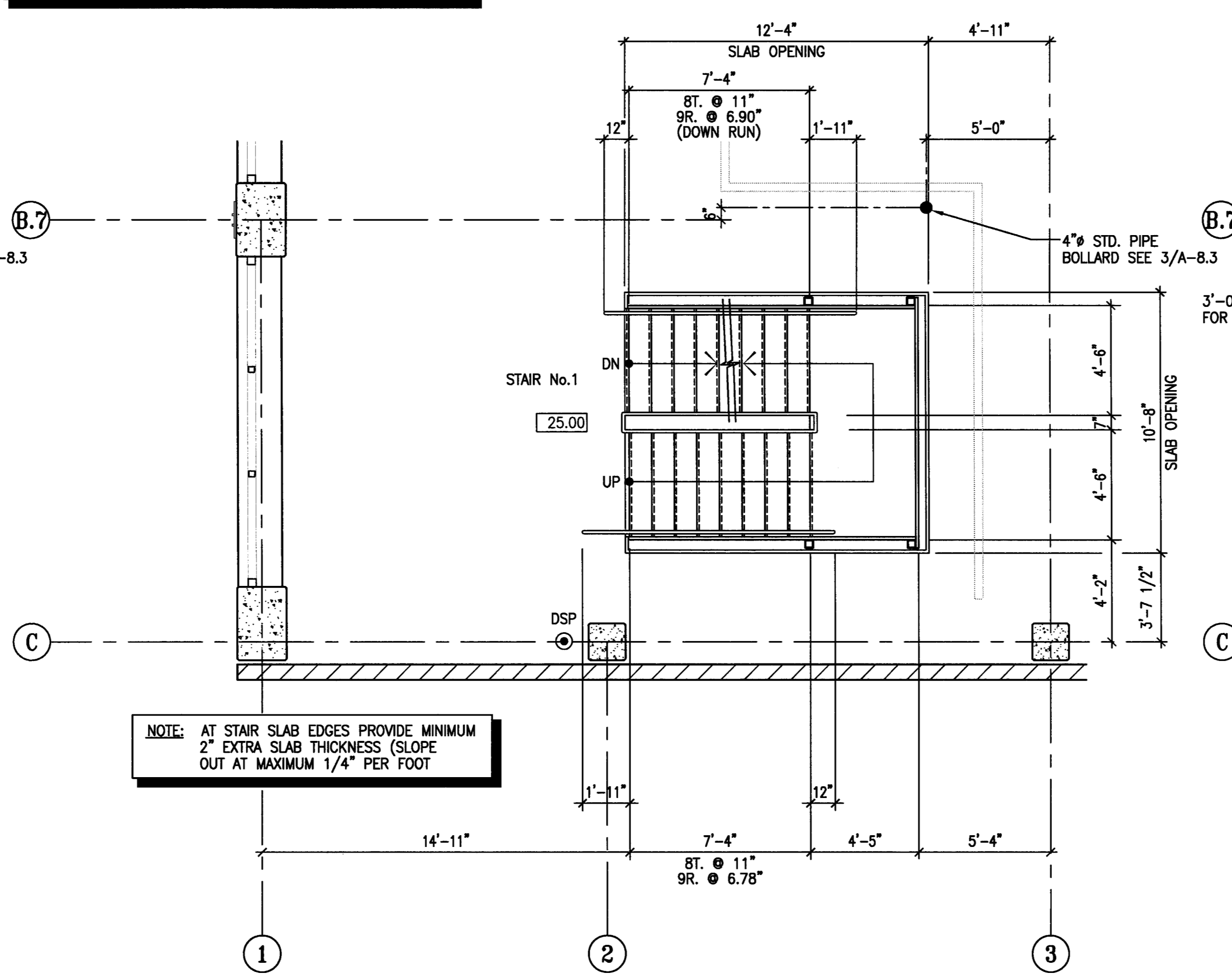
NOTE: PROVIDE 1 1/2" TUBE STEEL HANDRAIL AT 3'-6" ABOVE FINISH FLOOR WITH AN ADDITIONAL "CANE" RAIL AT 27" ABOVE FINISH FLOOR TO PREVENT WALKING UNDER STAIRS. PROVIDE 1 1/2" SQ. TUBE STEEL POSTS AT 4'-0" O.C. TYPICAL.

3'-0" WIDE (32" CLEAR) GATE FOR EMERGENCY EGRESS

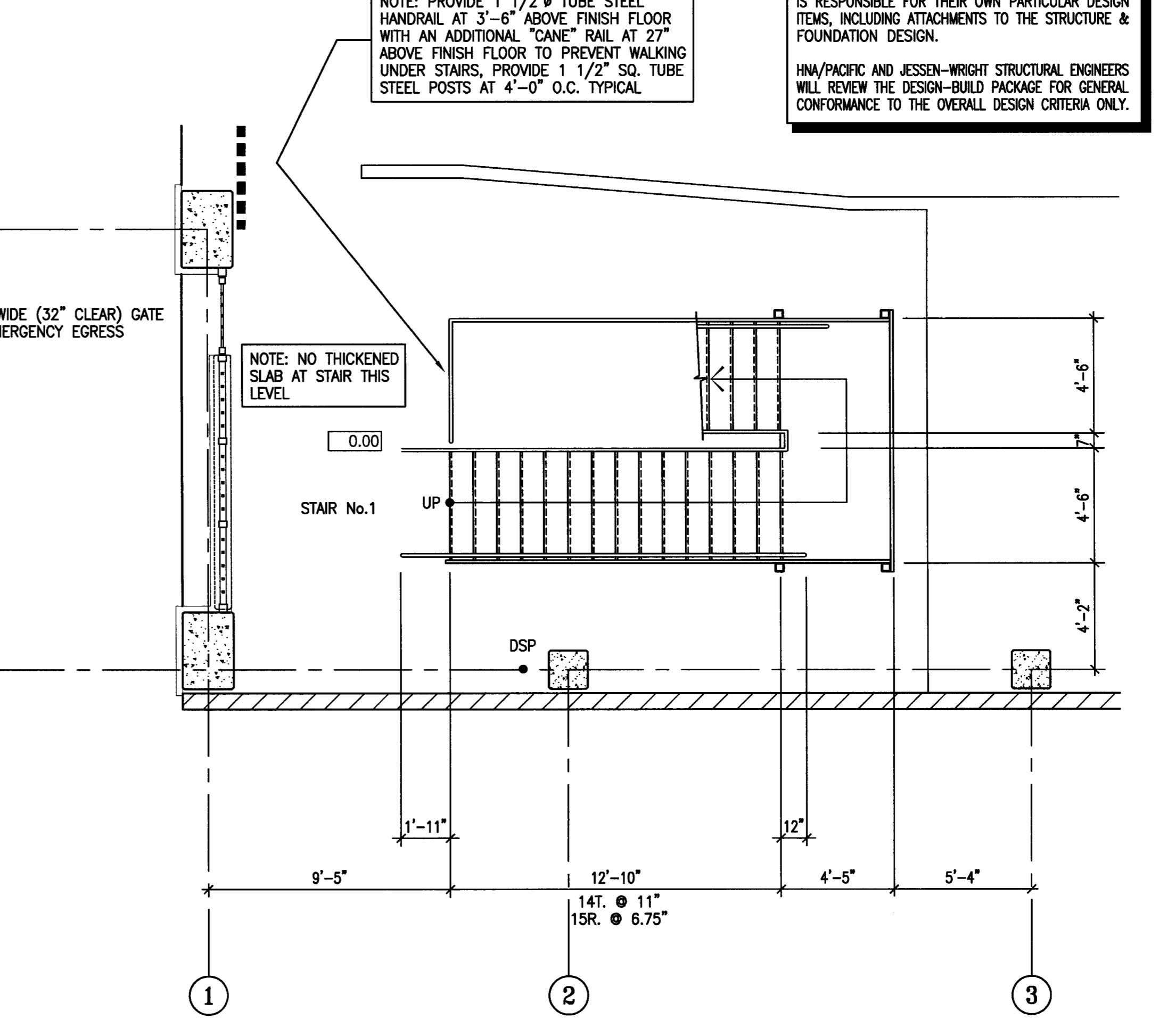
NOTE: NO THICKENED SLAB AT STAIR THIS LEVEL



5 STAIR #1 ENLARGED PLANS - LEVEL P-5
 SCALE: 1/4" = 1'-0"



3 STAIR #1 ENLARGED PLANS - LEVEL P-3
 SCALE: 1/4" = 1'-0"



1 STAIR #1 ENLARGED PLANS - LEVEL P-1
 SCALE: 1/4" = 1'-0"

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CONSULTANTS:
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 530.894.6345

CE Engineer
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 Stockton, California 95204
 209.943.2021

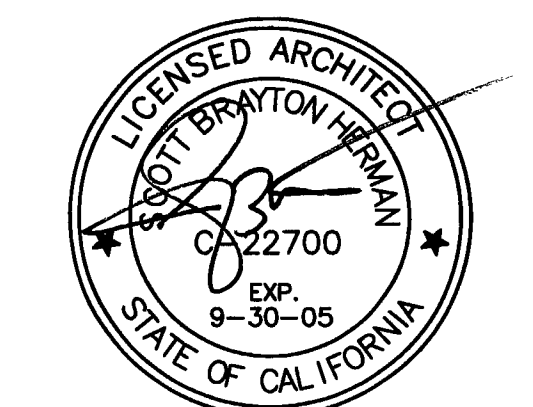
Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9550

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.8691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601

CONST. DOCUMENTS

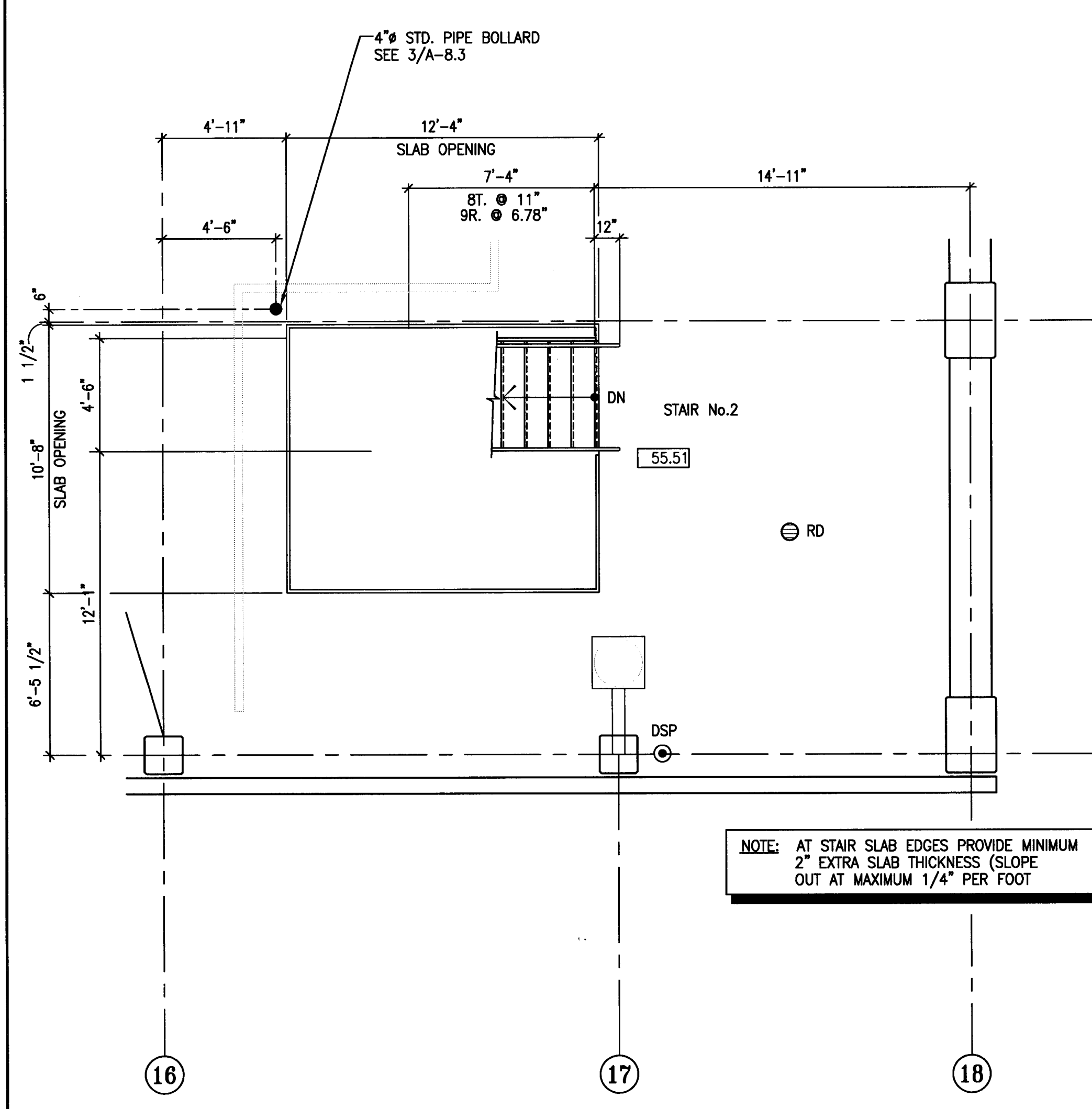
REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



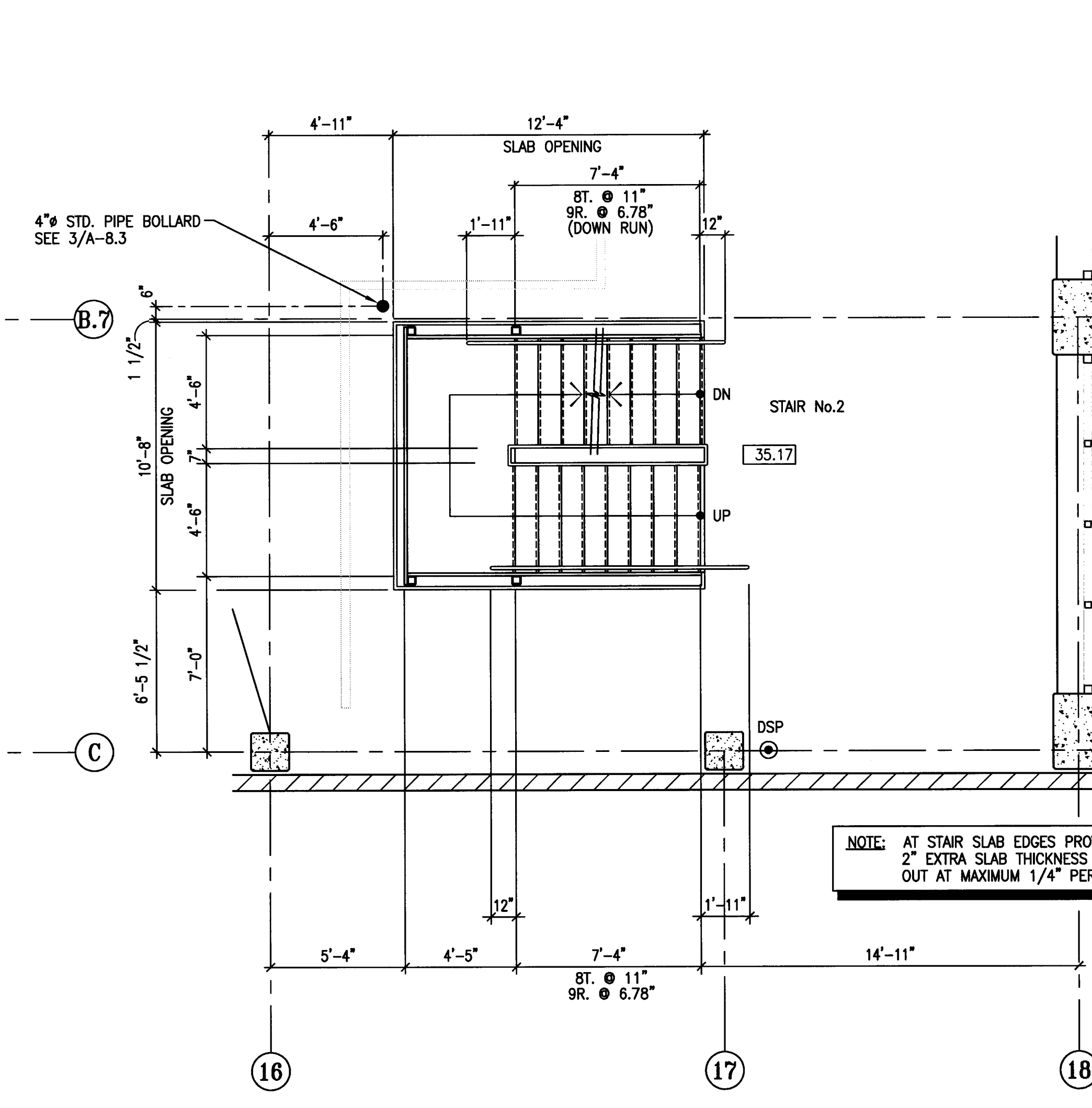
SHEET TITLE
STAIR No. 2 ENLARGED PLANS

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DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	A-74	SHEET	
PROGRAM NO.	R-NO.		

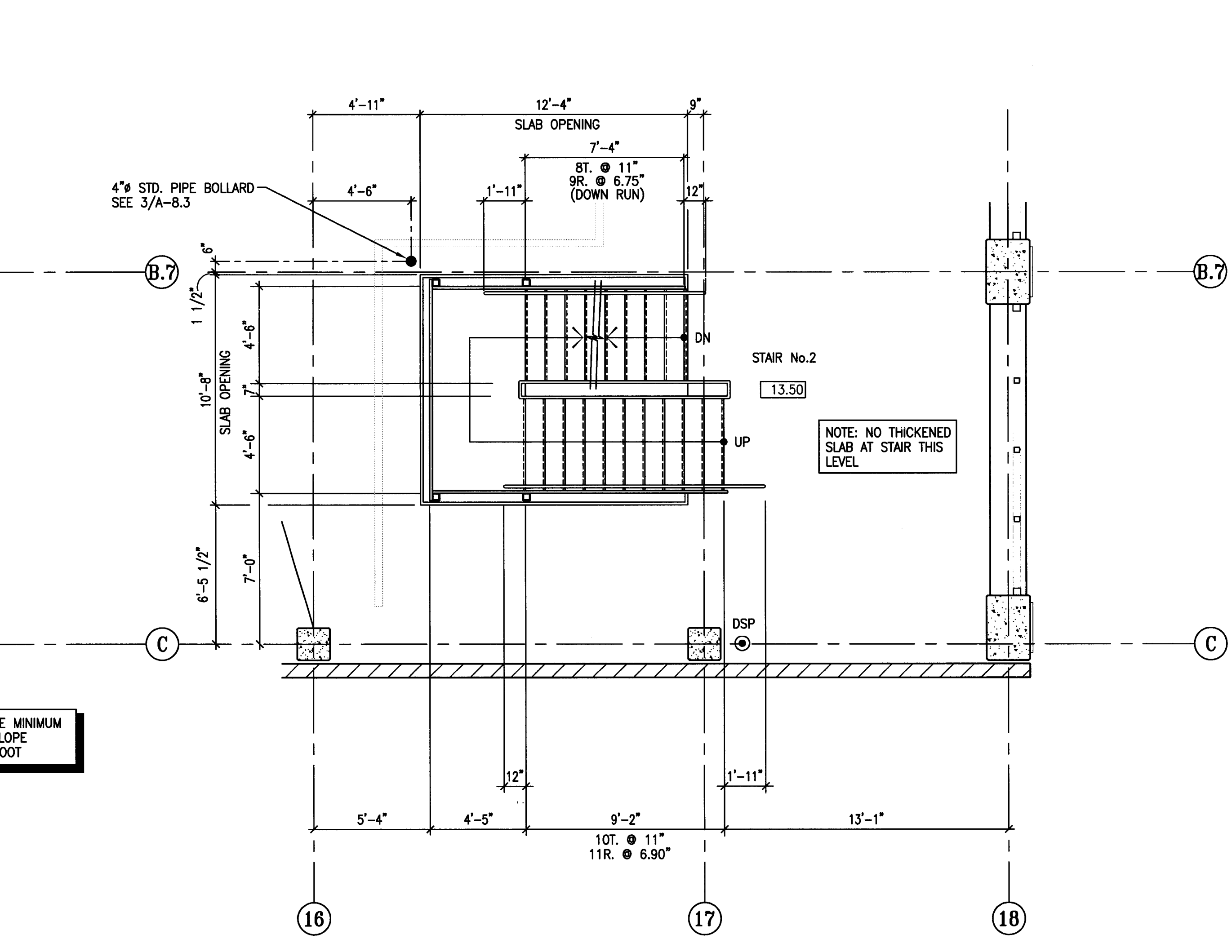
DRAWING NO:
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 PROJECT NO:
 HNA 2319



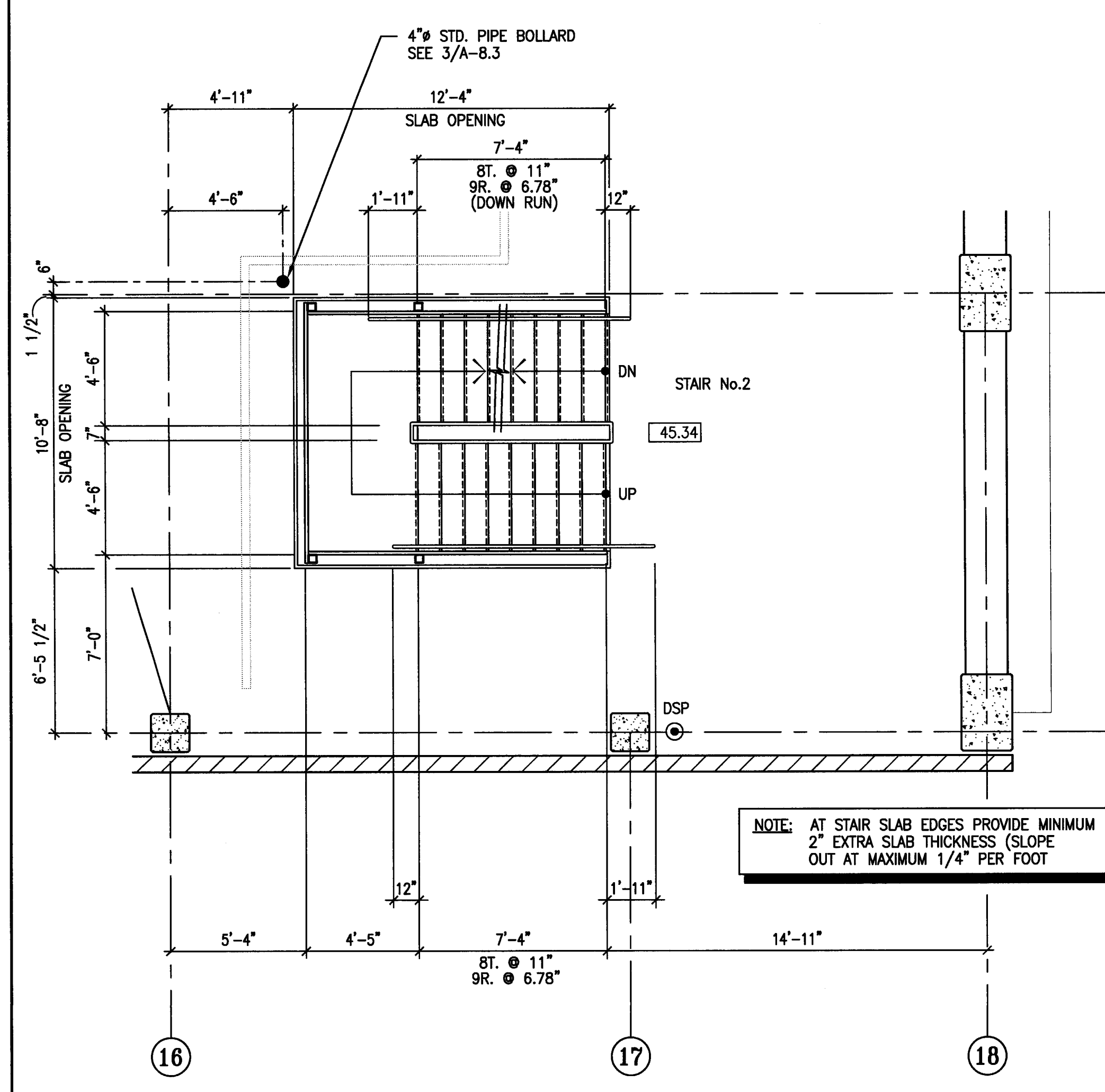
6 STAIR #2 ENLARGED PLANS - LEVEL P-6
 SCALE: 1/4" = 1'-0"



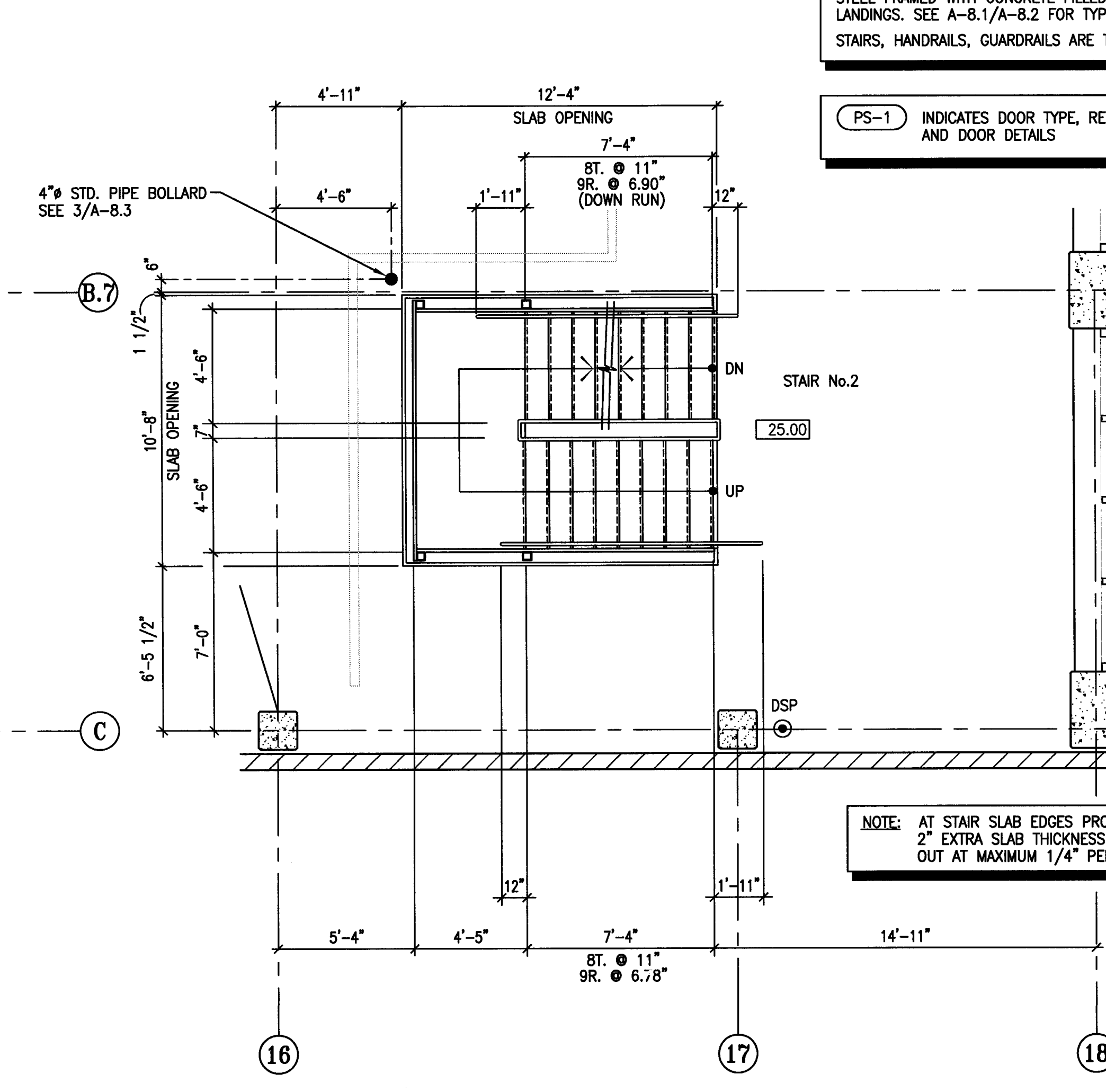
4 STAIR #2 ENLARGED PLANS - LEVEL P-4
 SCALE: 1/4" = 1'-0"



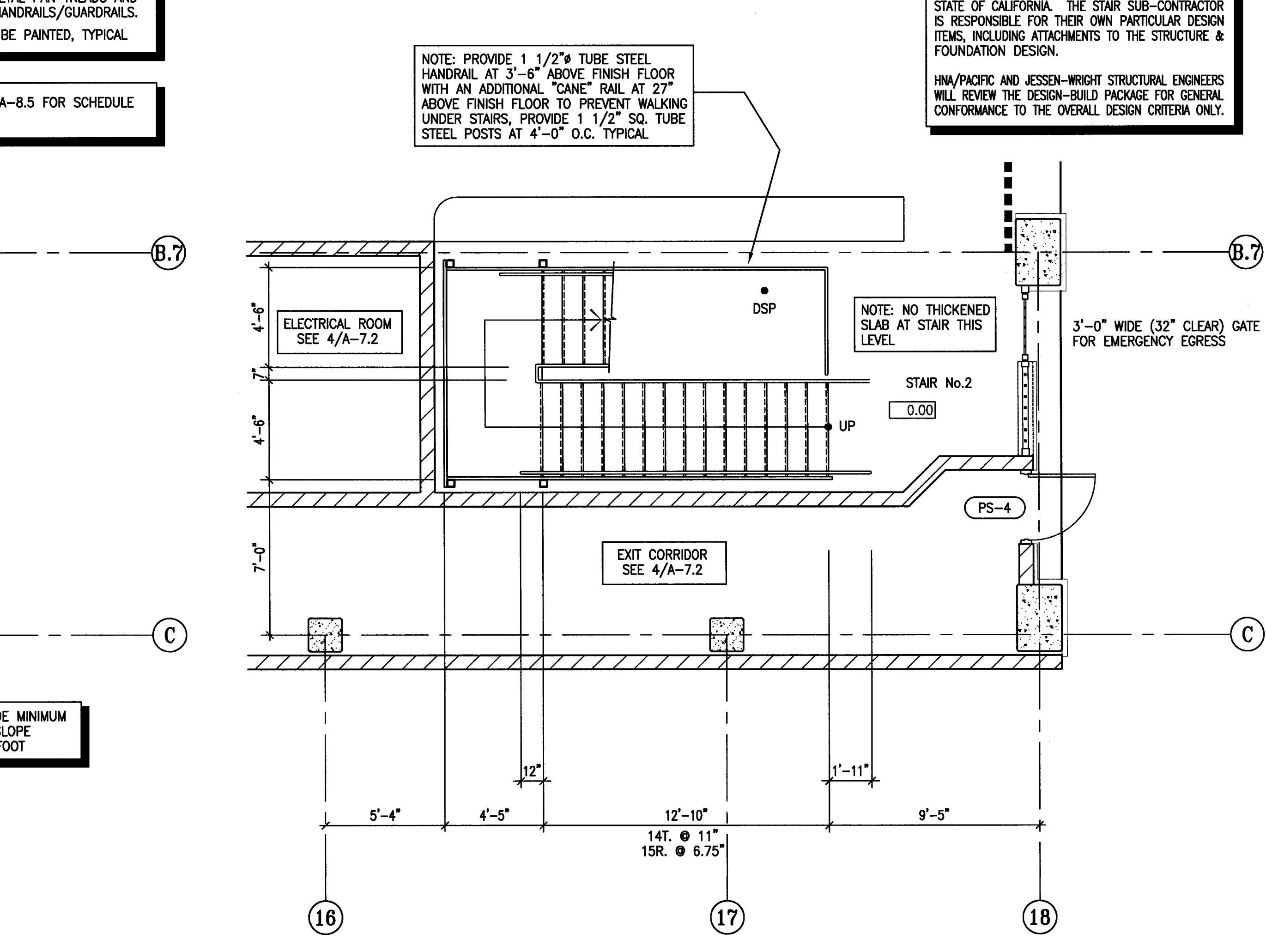
2 STAIR #2 ENLARGED PLANS - LEVEL P-2
 SCALE: 1/4" = 1'-0"



5 STAIR #2 ENLARGED PLANS - LEVEL P-5
 SCALE: 1/4" = 1'-0"



3 STAIR #2 ENLARGED PLANS - LEVEL P-3
 SCALE: 1/4" = 1'-0"



1 STAIR #2 ENLARGED PLANS - LEVEL P-1
 SCALE: 1/4" = 1'-0"

PROVIDE STAIRWAY IDENTIFICATION AS PER C.B.C. 1103.2.4.2. WITH RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS. THE SIGNS SHALL BE LOCATED 5 FEET ABOVE THE FINISHED FLOOR AND IMMEDIATELY NEXT TO THE STAIR AT EACH LEVEL.

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NOTE: NO THICKENED SLAB AT STAIR THIS LEVEL

3'-0" WIDE (32" CLEAR) GATE FOR EMERGENCY EGRESS

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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F&H Construction
 4945 Waterloo Road
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 209. 931. 3738

CONSULTANTS:
 Architect - Planning Consultant
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 61 Sea Breeze Avenue
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 310. 544. 6870

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Warrell Mattheis Bowe
 246 E. Main Street
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 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 6345

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 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
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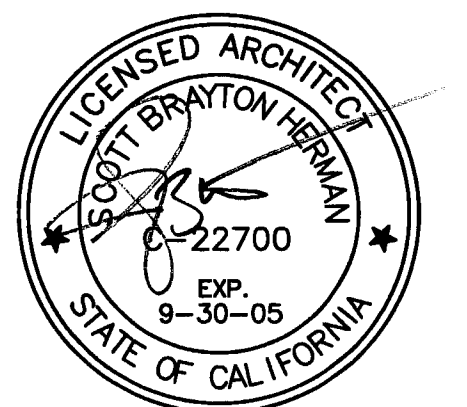
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 468. 3891

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 468. 4601

CONST. DOCUMENTS

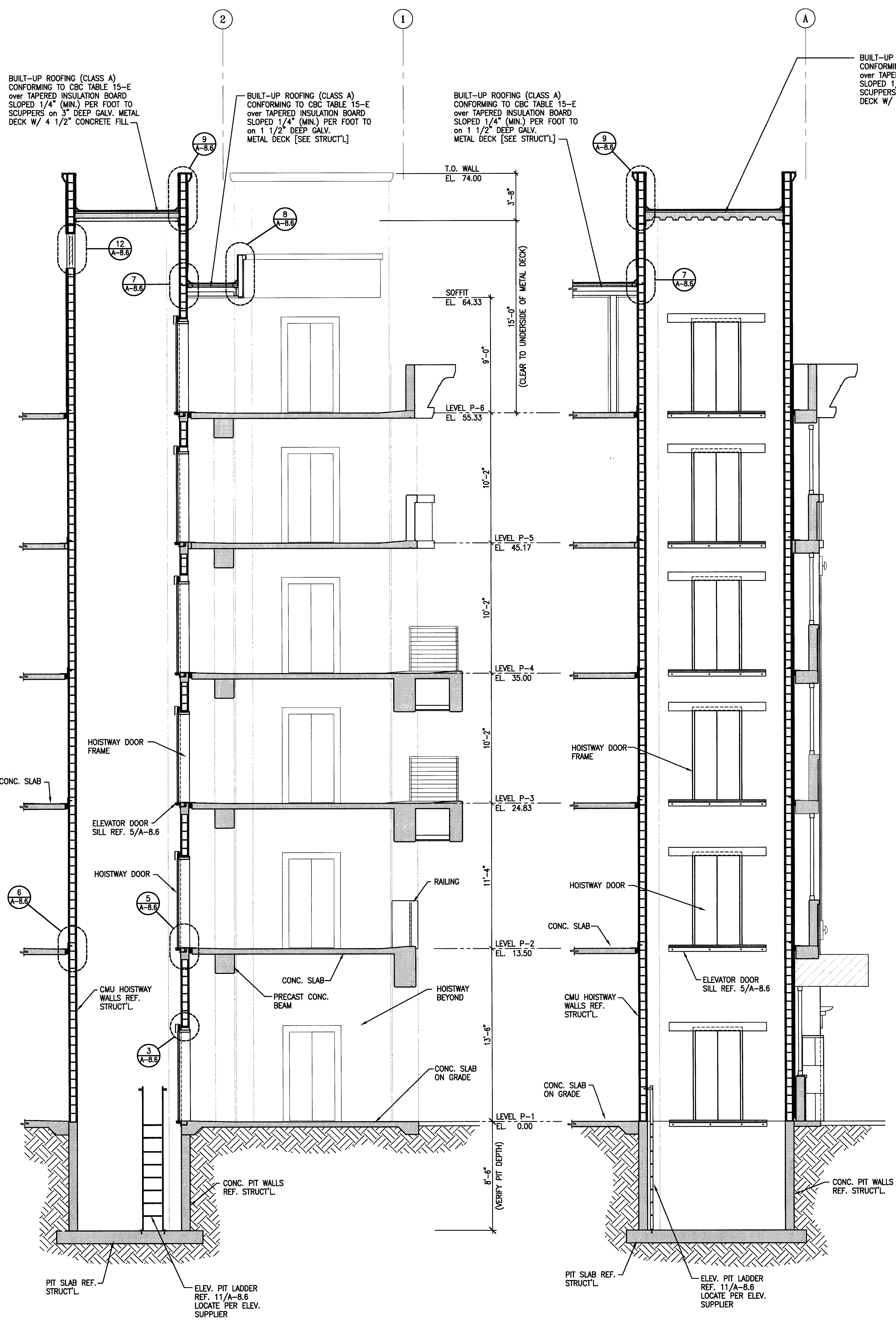
REVISIONS:

11/29/04	PLANCHCK SET
3/11/05	PERMIT SET

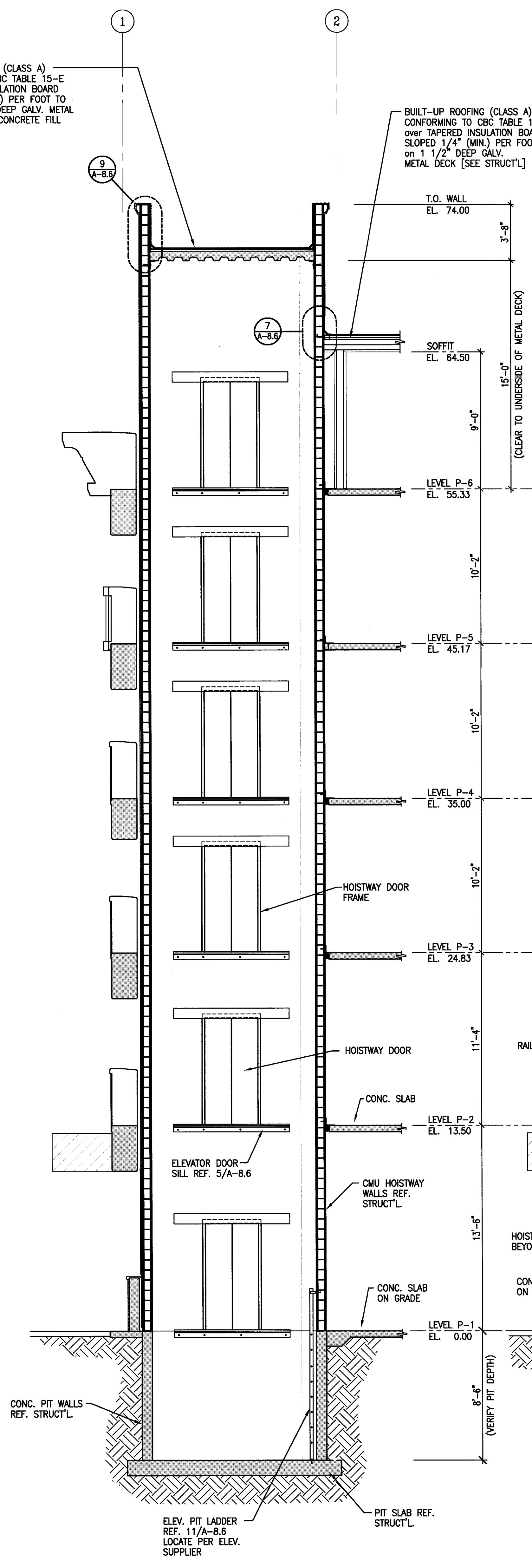


SHEET TITLE
ELEVATOR HOISTWAY SECTIONS

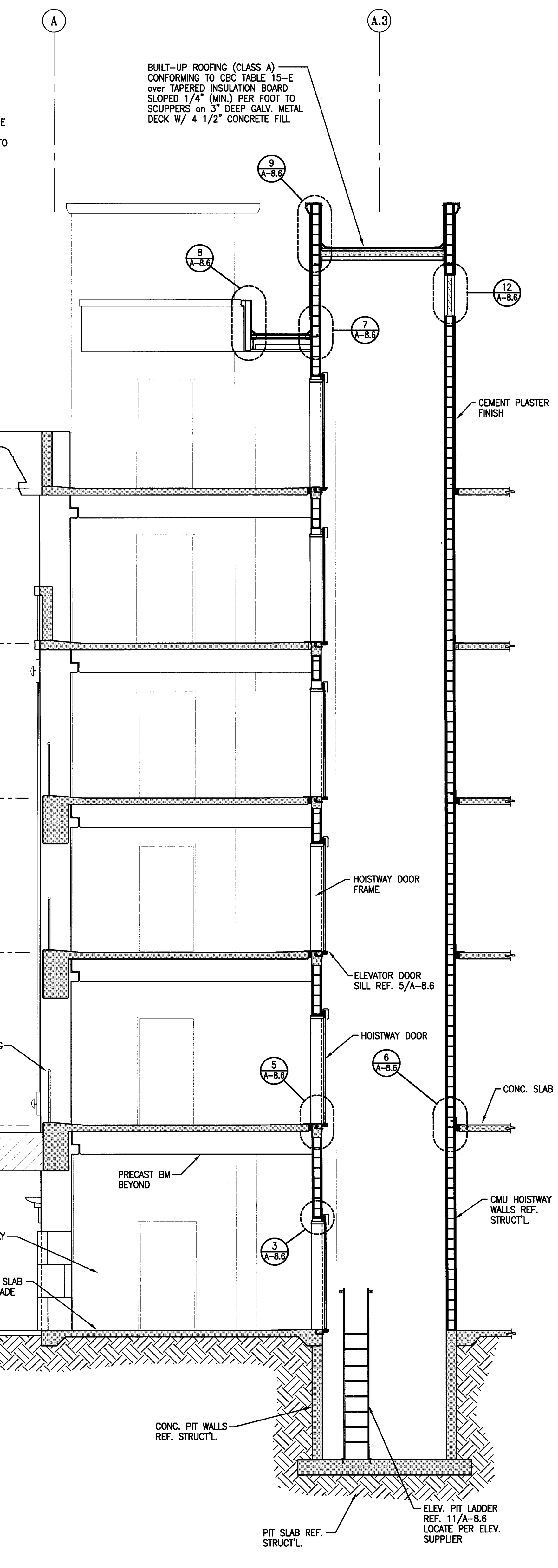
DATE 29, NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-7.5	SHEET
PROGRAM NO.	R-NO.
DRAWING NO: A-7.5	
PROJECT NO: HNA 2319	



4 ELEVATOR No. 2 HOISTWAY SECTION
 A-7.5 SCALE: 1/4" = 1'-0"



3 ELEVATOR No. 2 HOISTWAY SECTION
 A-7.5 SCALE: 1/4" = 1'-0"



2 ELEVATOR No. 1 HOISTWAY SECTION
 A-7.5 SCALE: 1/4" = 1'-0"



1 ELEVATOR No. 1 HOISTWAY SECTION
 A-7.5 SCALE: 1/4" = 1'-0"

CITY OF STOCKTON
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STOCKTON, CALIFORNIA

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HRM Plumbing
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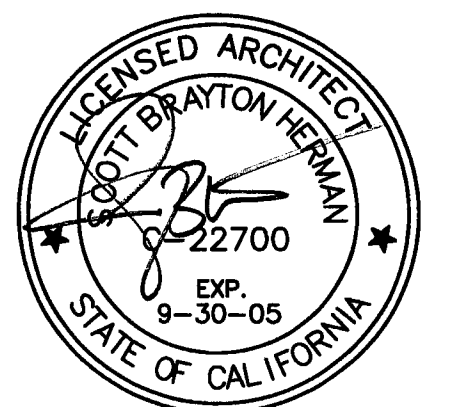
Electrical Designer - Design/Builder
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 611 W. Fremont Street
 Stockton, California 95203
 209. 468. 8891

Mechanical Designer - Design/Builder
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 209. 468. 4601

CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
STAIR SECTIONS

DATE	29, NOV. 2004	SCALE	1/4" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-7-6	SHEET	
PROGRAM NO.		R-NO.	

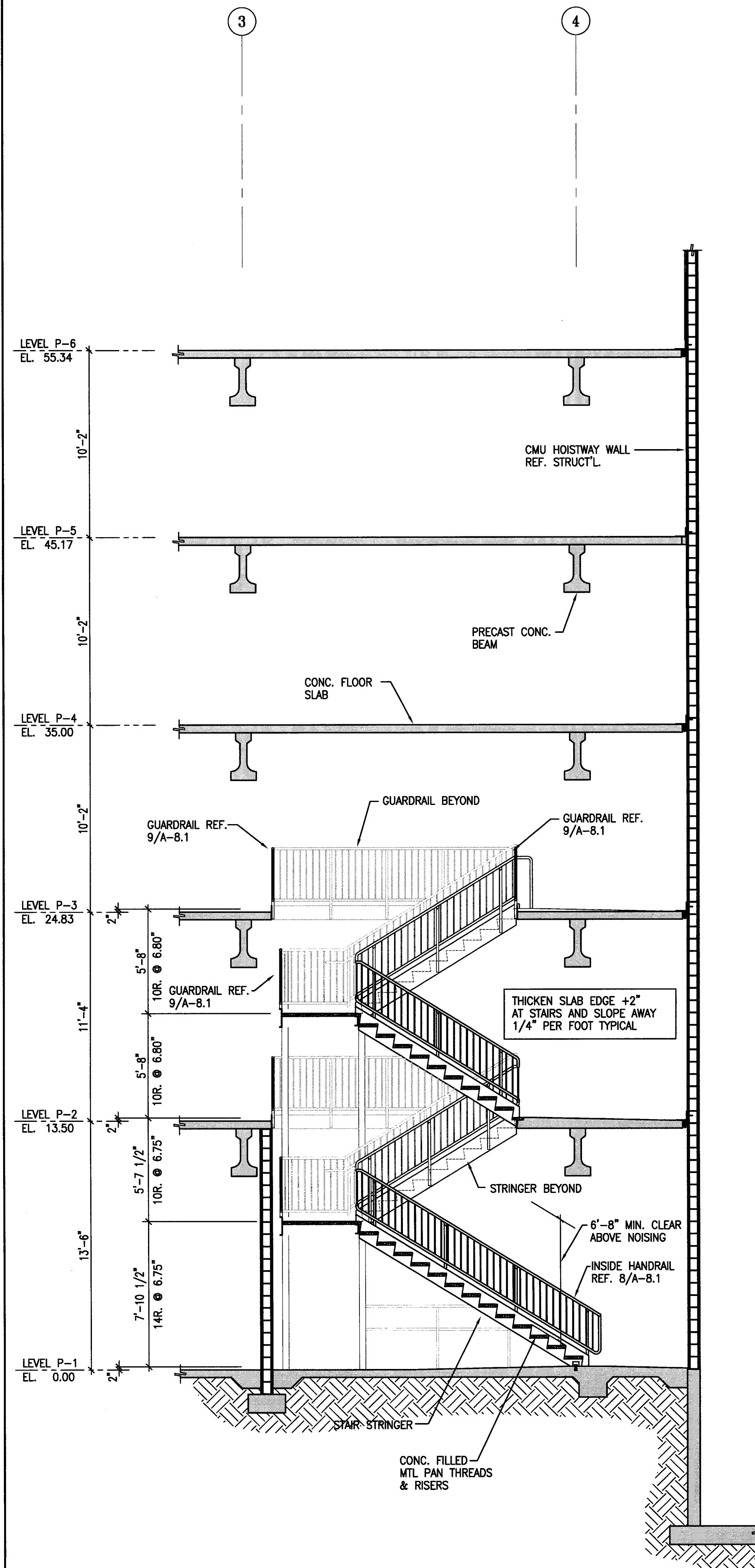
DRAWING NO:
A-7.6
 PROJECT NO:
 HNA 2319

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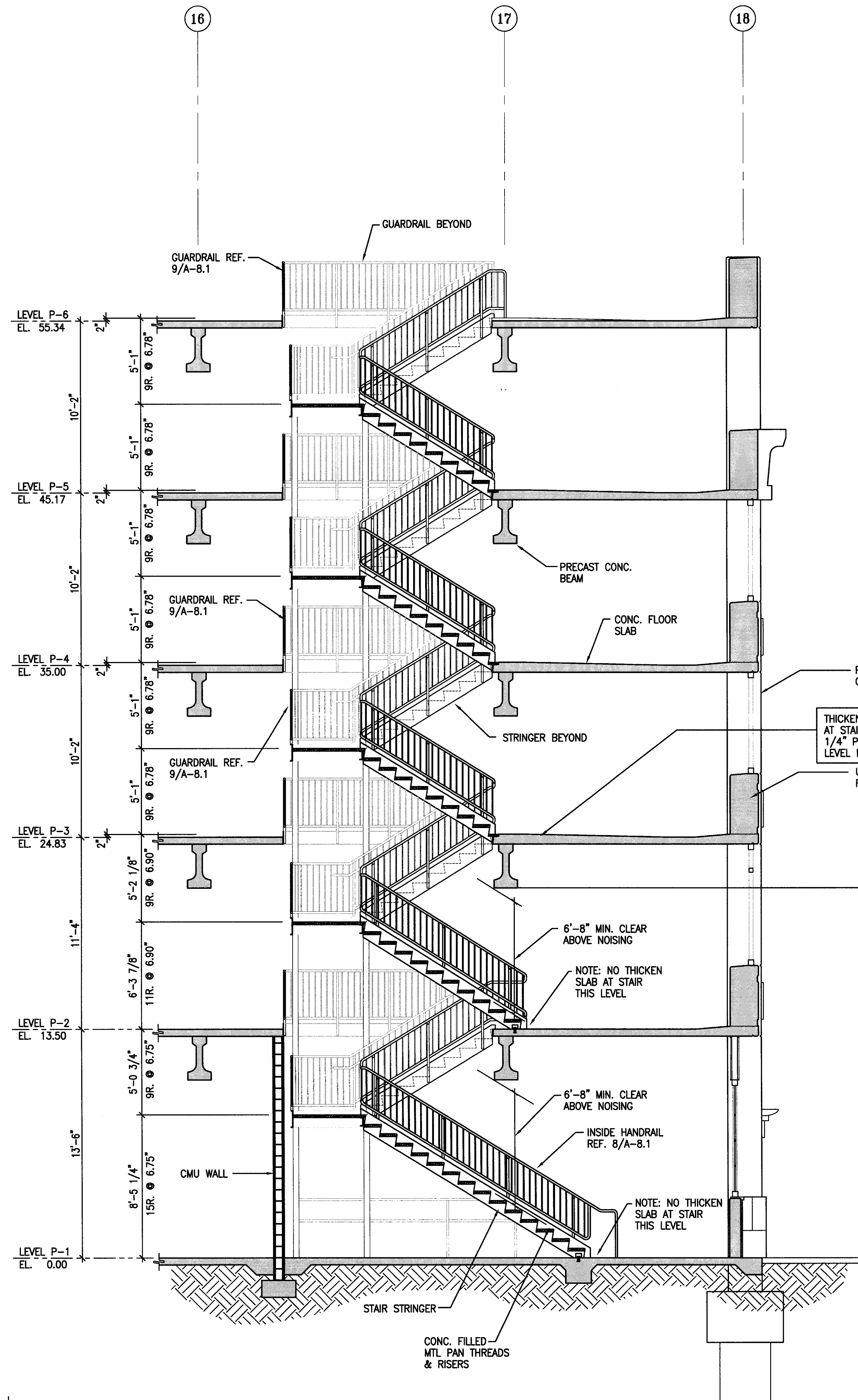
THE RISE OF STEPS AND STAIRS SHALL NOT BE LESS THAN 4 INCHES NOR MORE THAN 7 INCHES. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH. THE RUN SHALL NOT BE LESS THAN 11" AS MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FURTHERMOST PROJECTION OF ADJACENT TREADS OR NOSINGS. TREADS SHALL BE OF UNIFORM SIZE AND SHAPE. EXCEPT THE LARGEST TREAD RUN WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH.

THE TOP OF HANDRAILS AND HANDRAIL EXTENSIONS SHALL NOT BE PLACES LESS THAN 34 INCHES NOR MORE THAN 38 INCHES ABOVE LANDINGS AND THE NOSING OF TREADS.

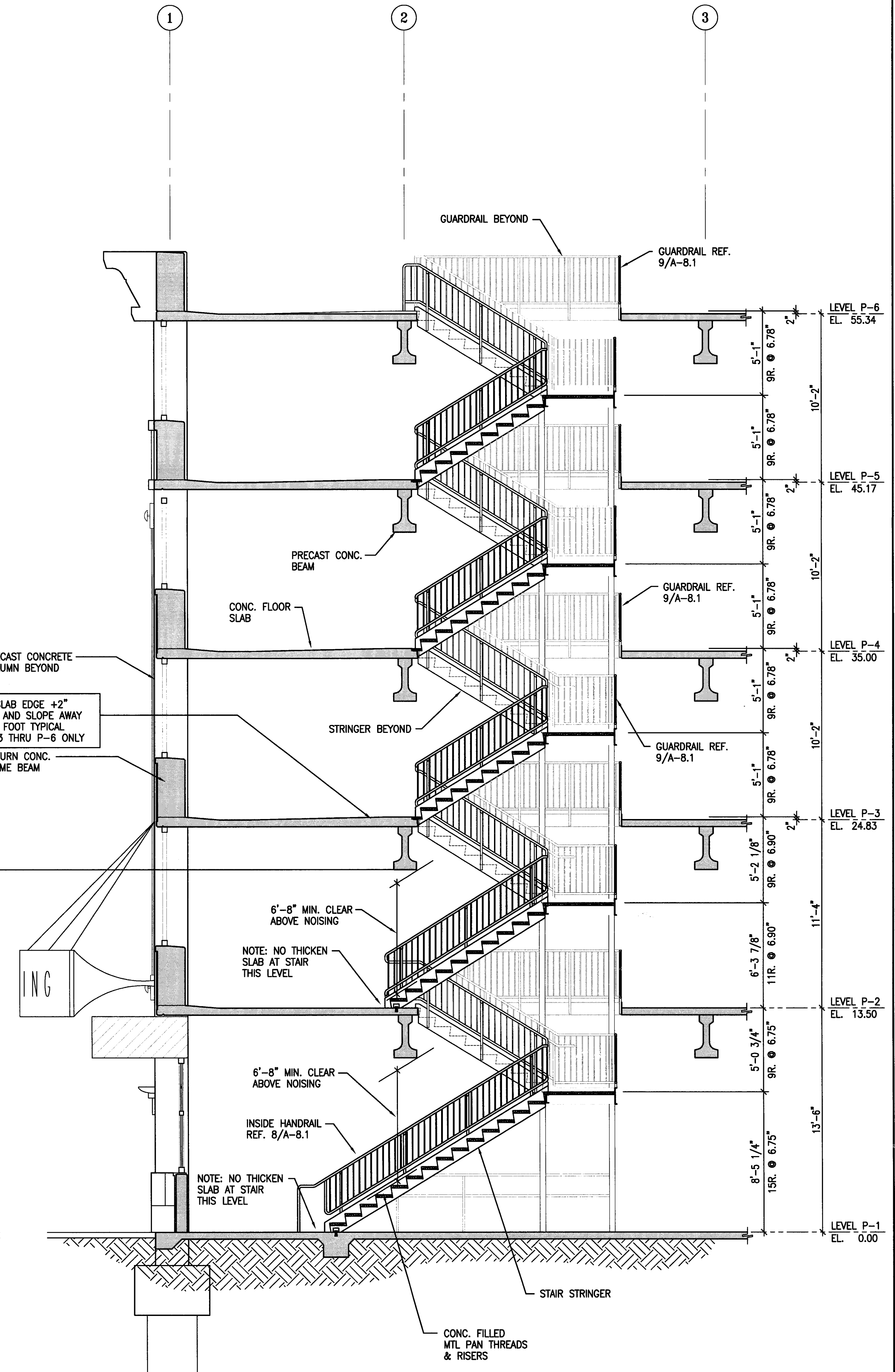
MAINTAIN MINIMUM 6'-8" VERTICAL HEADROOM ABOVE ALL STAIRS MEASURED VERTICALLY FROM A PLANE PARALLEL AND TANGENT TO THE STAIRWAY TREAD NOSINGS TO THE SOFFIT OR OTHER CONSTRUCTION ABOVE AT ALL POINTS.



3 STAIR No. 3 SECTION
 A-7.6 SCALE: 1/4" = 1'-0"



2 STAIR No. 2 SECTION
 A-7.6 SCALE: 1/4" = 1'-0"



1 STAIR No. 1 SECTION
 A-7.6 SCALE: 1/4" = 1'-0"

**CITY OF STOCKTON
EDMUND S. 'ED' COY
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STOCKTON, CALIFORNIA

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City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209. 931. 3738

CONSULTANTS:

Architect - Parking Consultant
HNA / Pacific
61 Sea Breeze Avenue
Rancho Palos Verdes, California 90275
310. 544. 6670

Design Architect
Wesell Matthews Bowe
246 E. Main Street
Stockton, California 95202
209. 944. 9110

Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Chico, California 95926
530. 894. 5345

CE Engineer
Sleghted Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
3850 Wilcox Road
Stockton, California 95215
209. 931. 9650

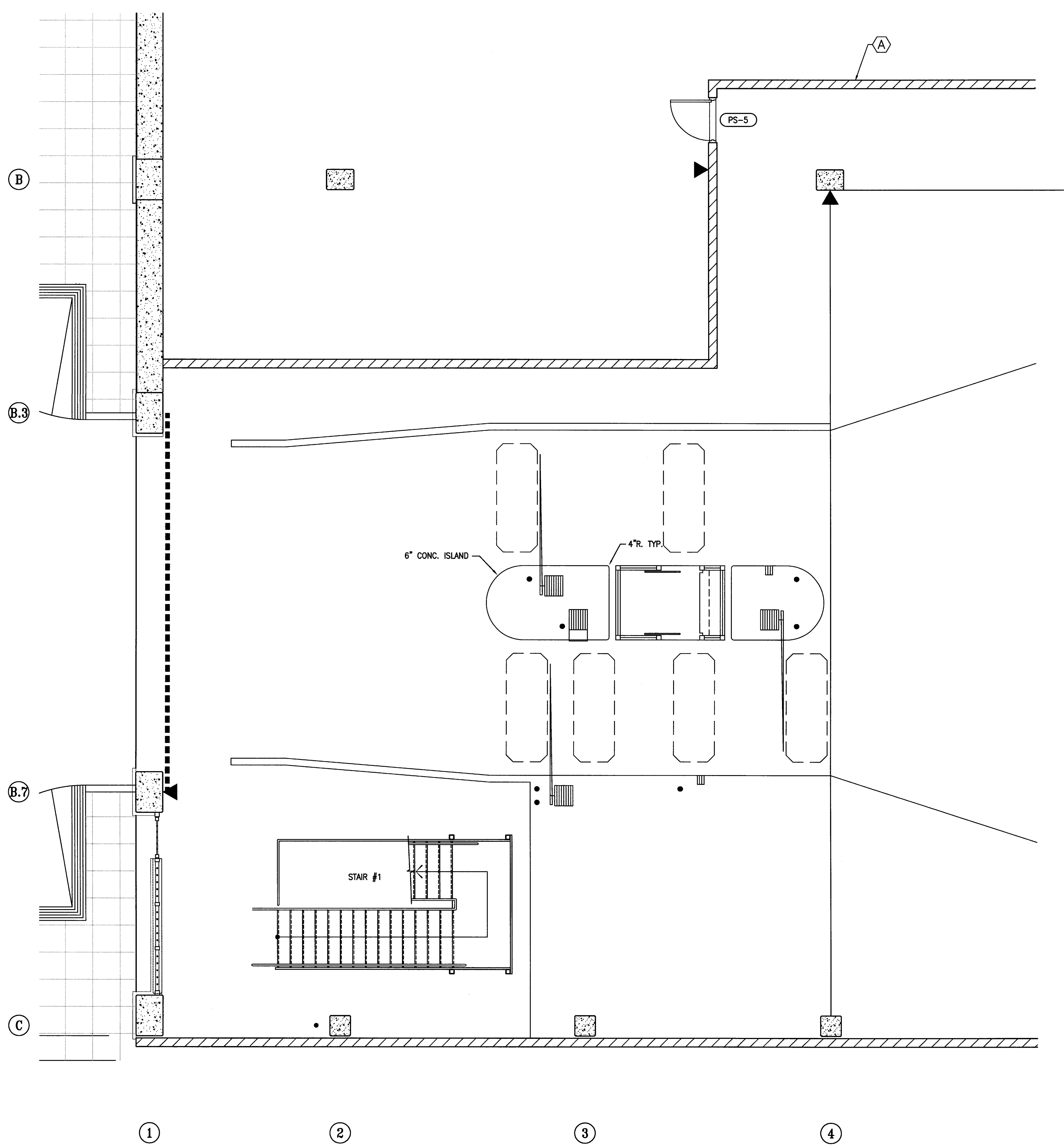
Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209. 486. 3691

Mechanical Designer - Design/Builder
Comfort Air
1607 Turnpike Road
Stockton, California 95201
209. 486. 4601

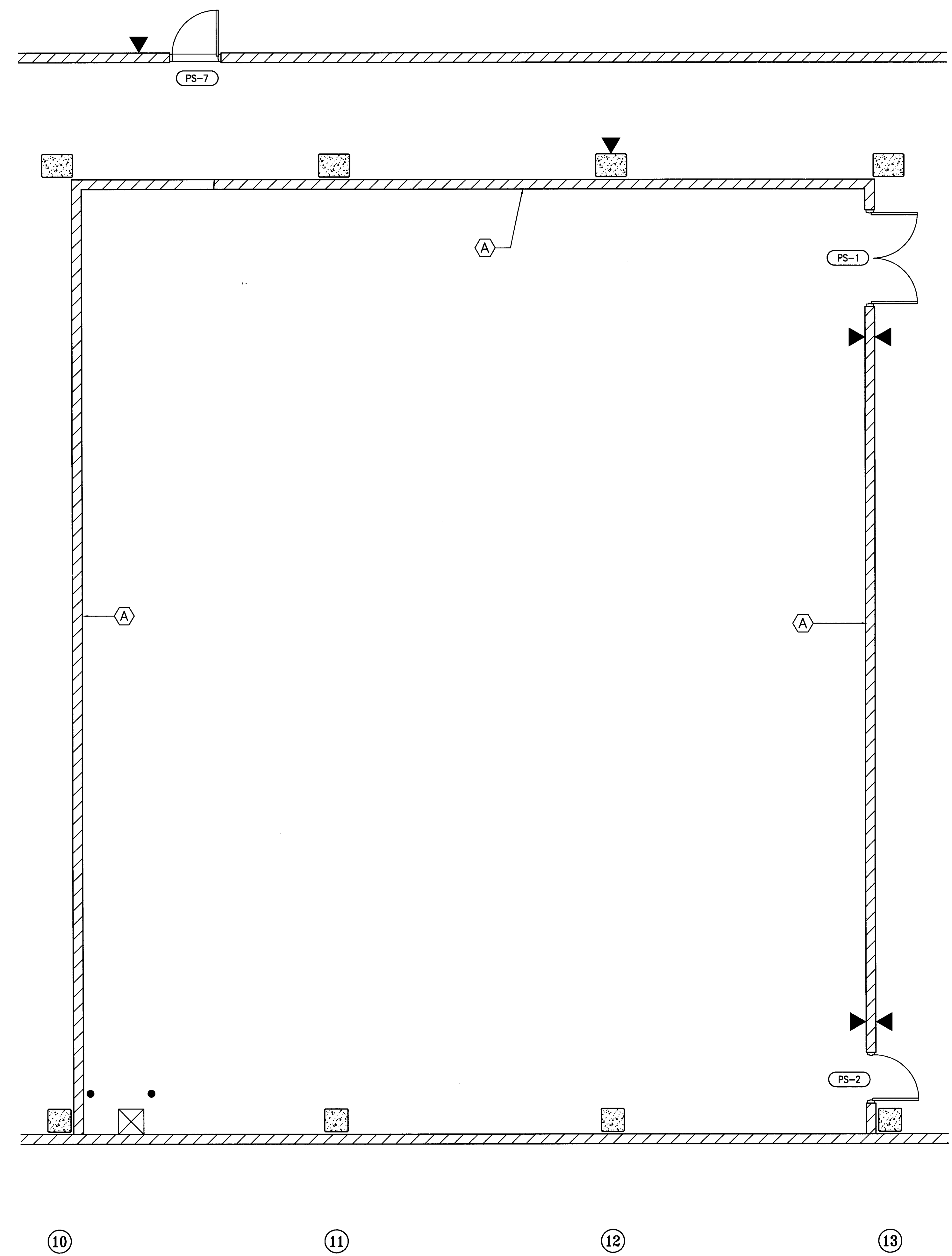
PS-1 INDICATES DOOR TYPE, REF. A-8.5 FOR SCHEDULE AND DOOR DETAILS

WALL TYPE LEGEND

- (A) 8" CONCRETE MASONRY WALL /SOLID GROUTED
- (B) 1. 20 ga. - 6" 'C' (16" O.C.) METAL STUD WALL
2. 1 LAYER TYPE 'X' FIRE-RATED GYPSUM BOARD ON COMMERCIAL SPACE SIDE (INTERIOR)
3. 1" THICK LATH AND CEMENT PLASTER ON EXTERIOR SIDE OF WALL



2 ENLARGED ENTRY PLAN - LEVEL P-1
SCALE: 1/4" = 1'-0"



1 ENLARGED STORAGE ROOM PLAN - LEVEL P-1
SCALE: 1/4" = 1'-0"

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET



SHEET TITLE
ENLARGED PLANS

DATE	SCALE
29, NOV. 2004	1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-7-7	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-7.7
PROJECT NO:
HNA 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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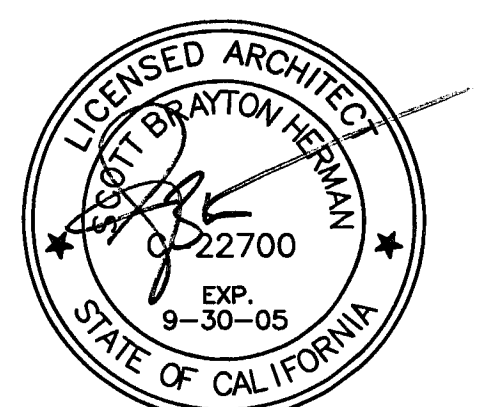
Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
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Mechanical Designer - Design/Builder
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 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET

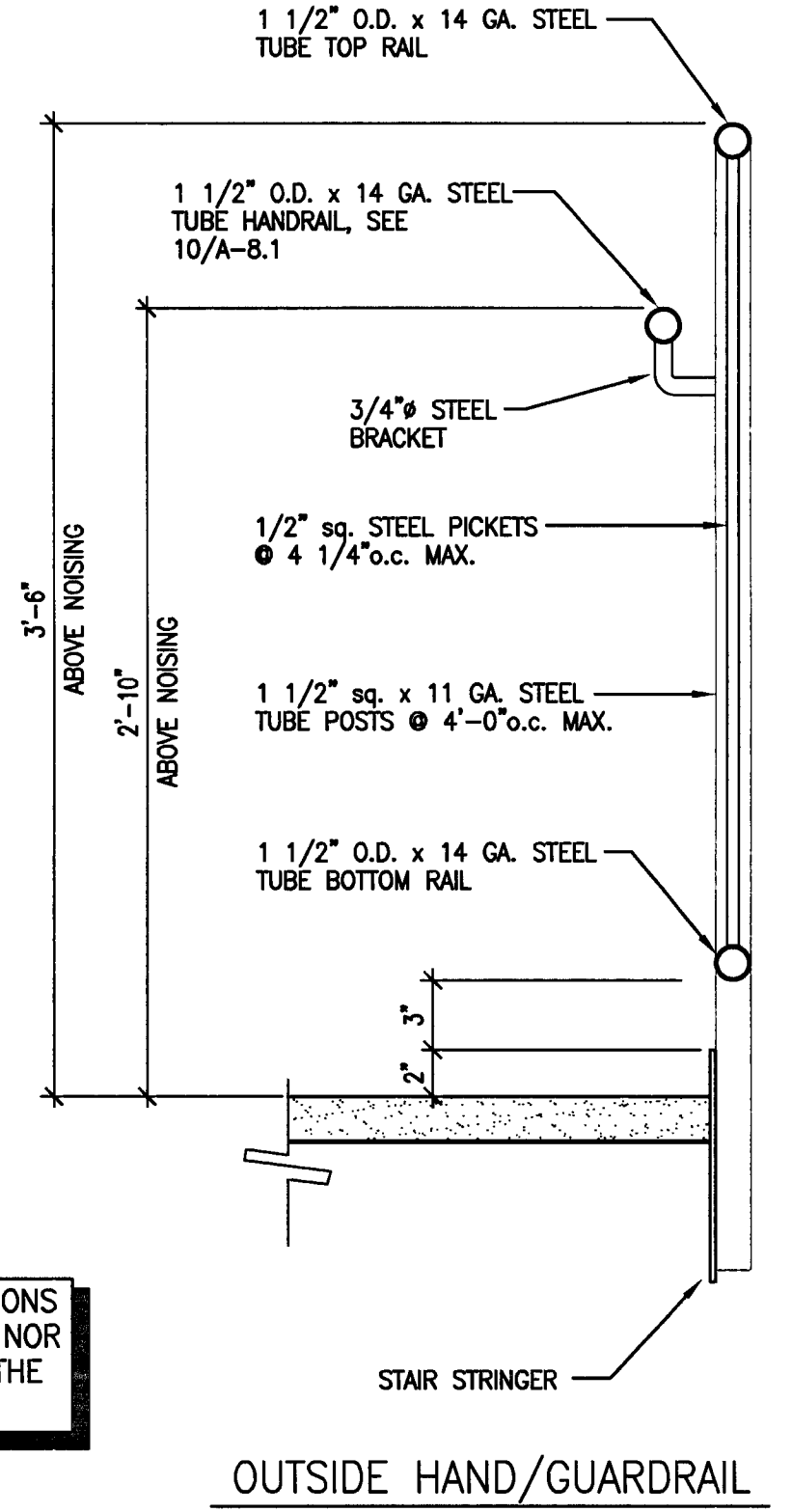


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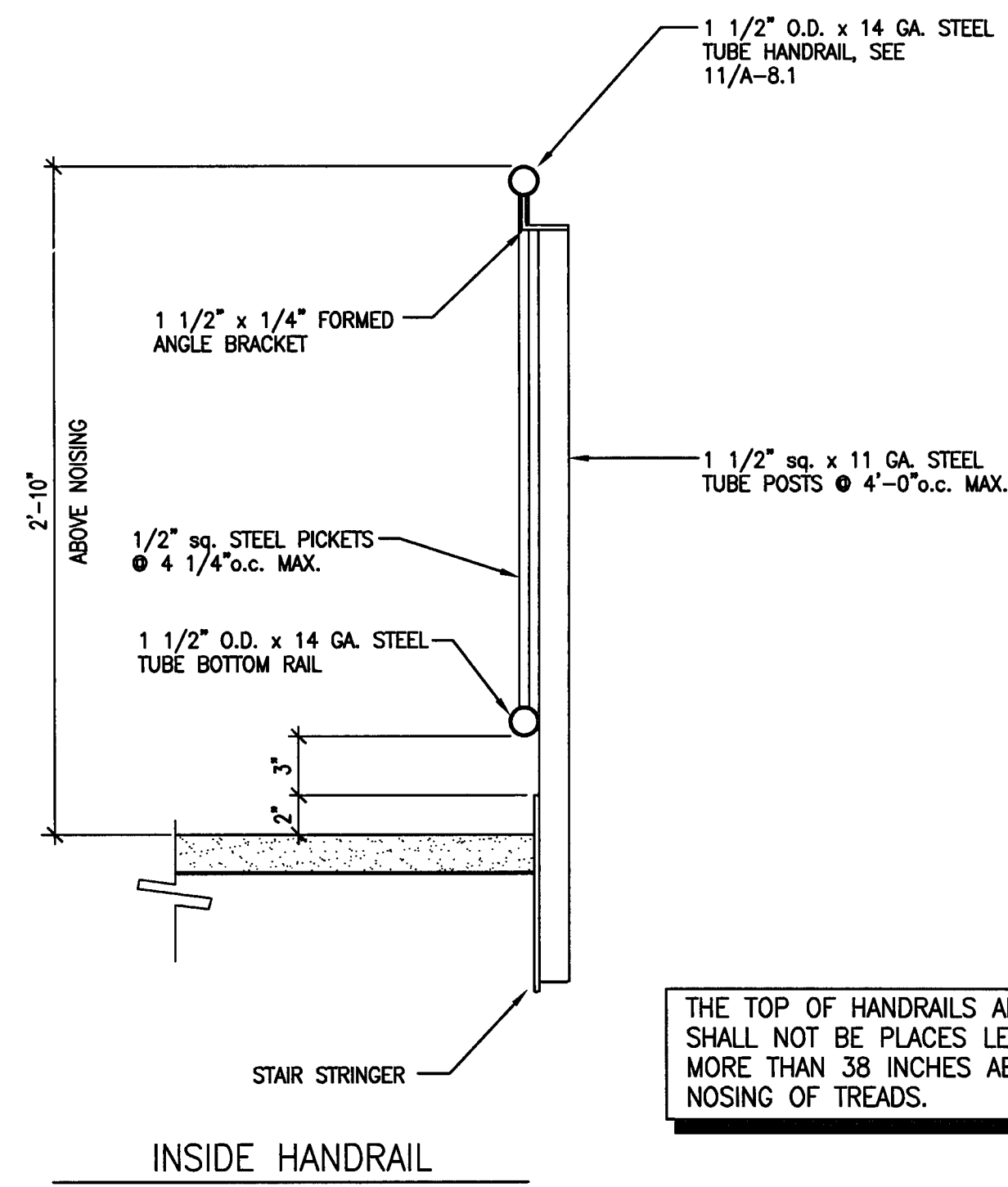
TYPICAL STAIR DETAILS

DATE	SCALE
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DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-8-1	
PROGRAM NO.	R-NO.

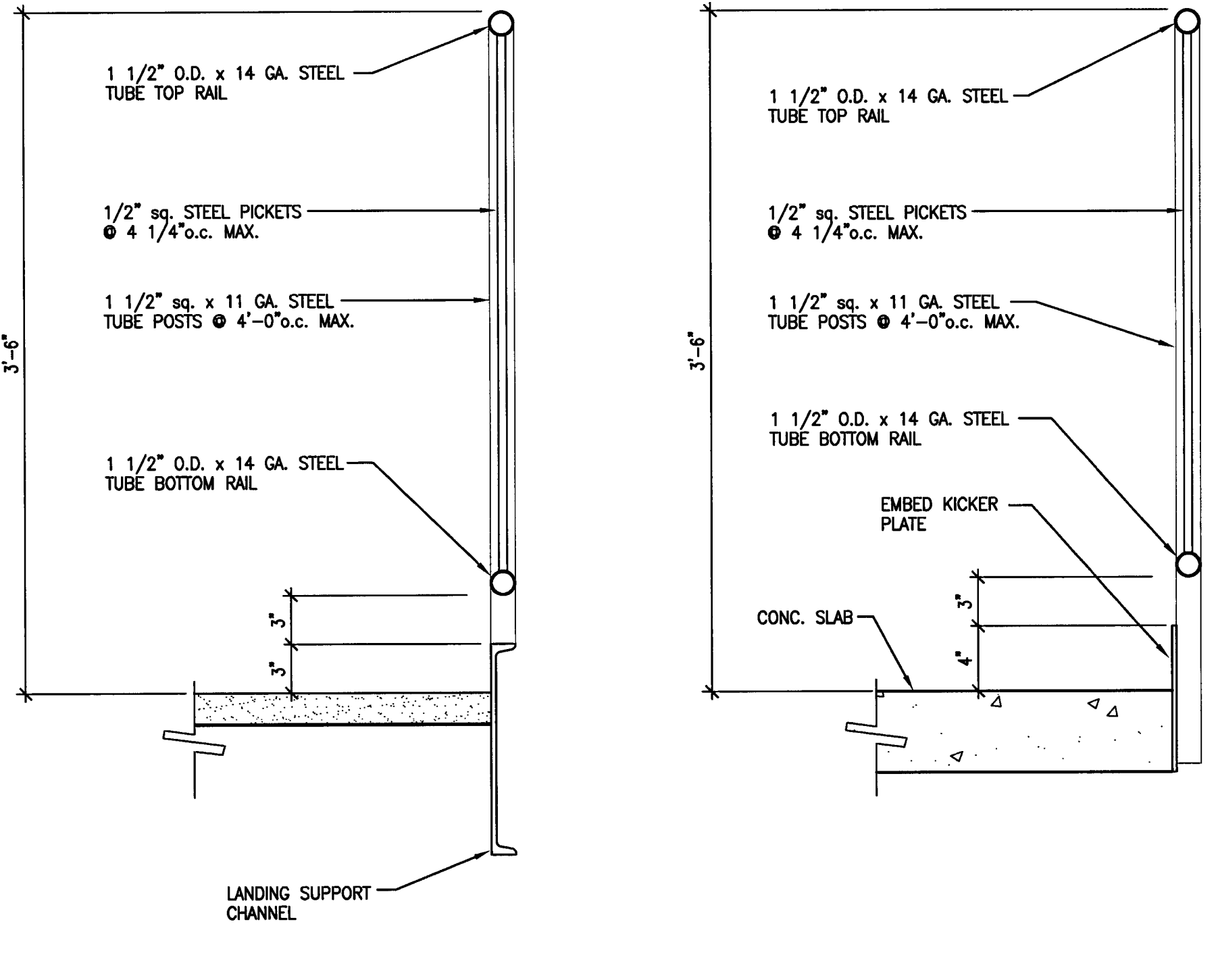
DRAWING NO:
A-8.1
 PROJECT NO:
 HNA 2319



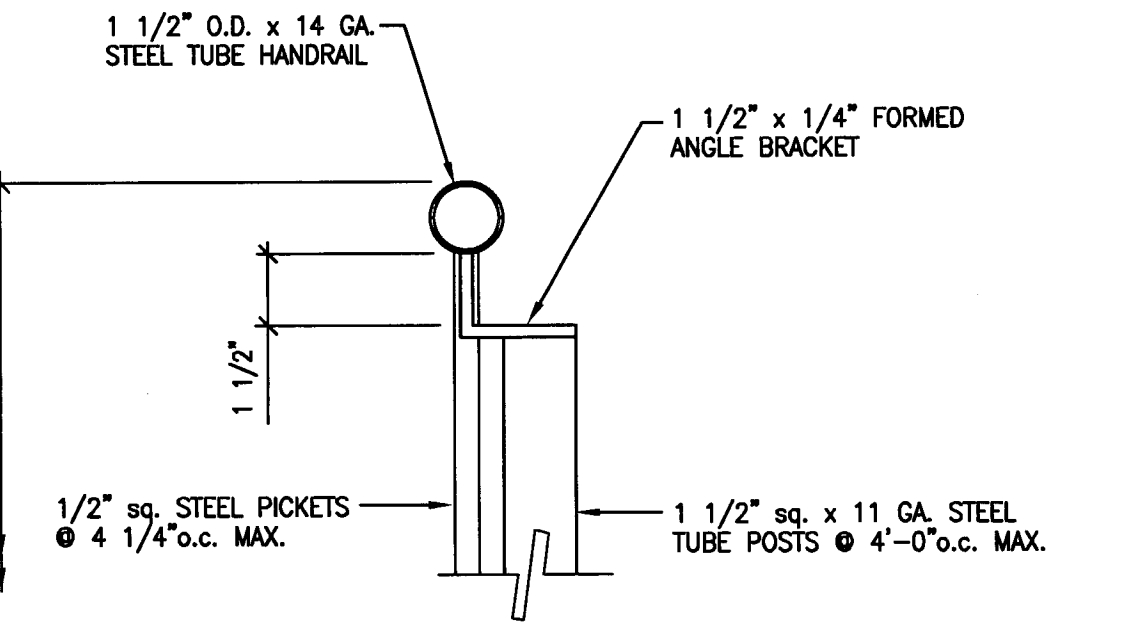
8 TYPICAL HANDRAIL DETAILS
 SCALE: 1 1/2" = 1'-0"



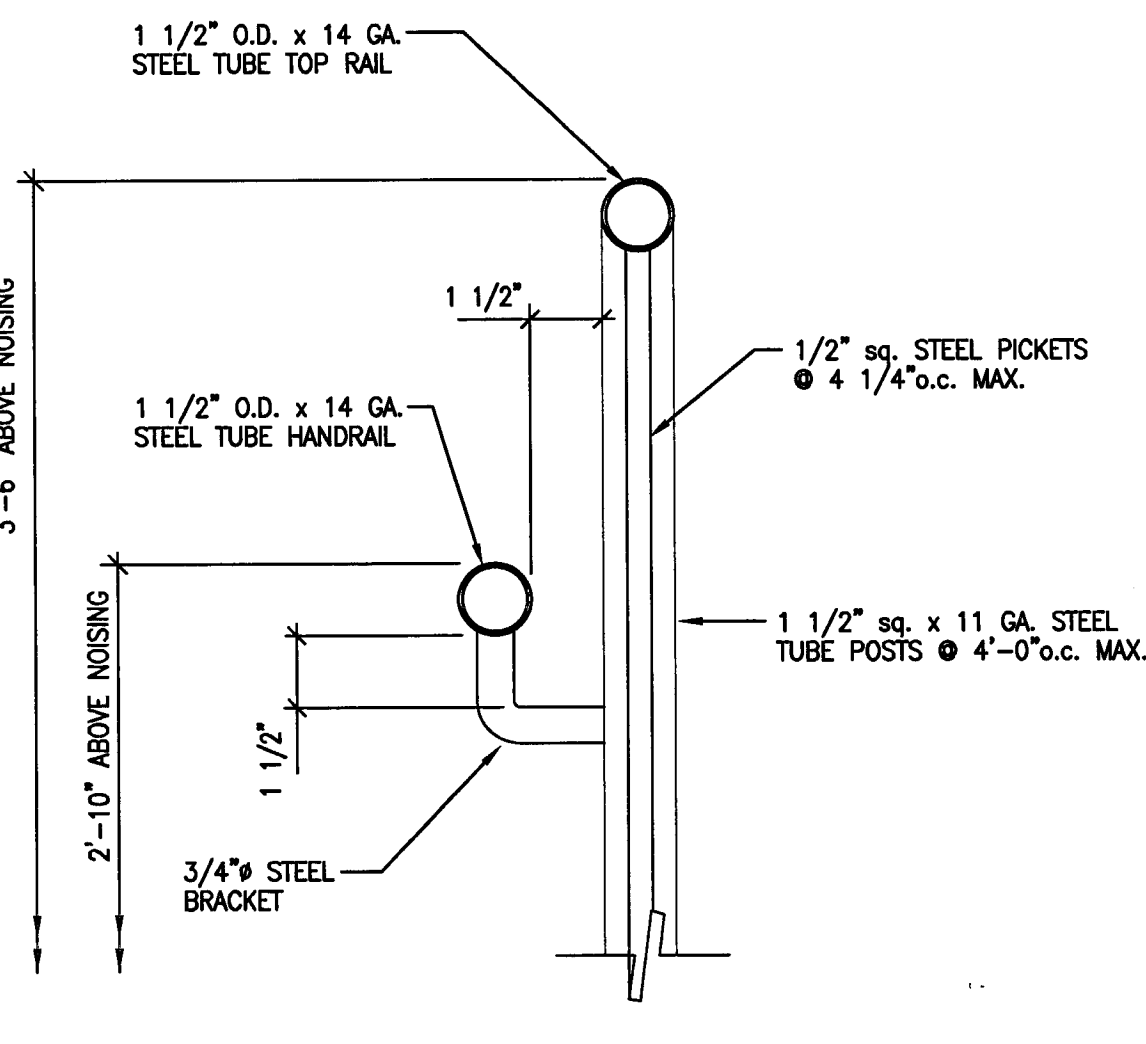
8 TYPICAL HANDRAIL DETAILS
 SCALE: 1 1/2" = 1'-0"



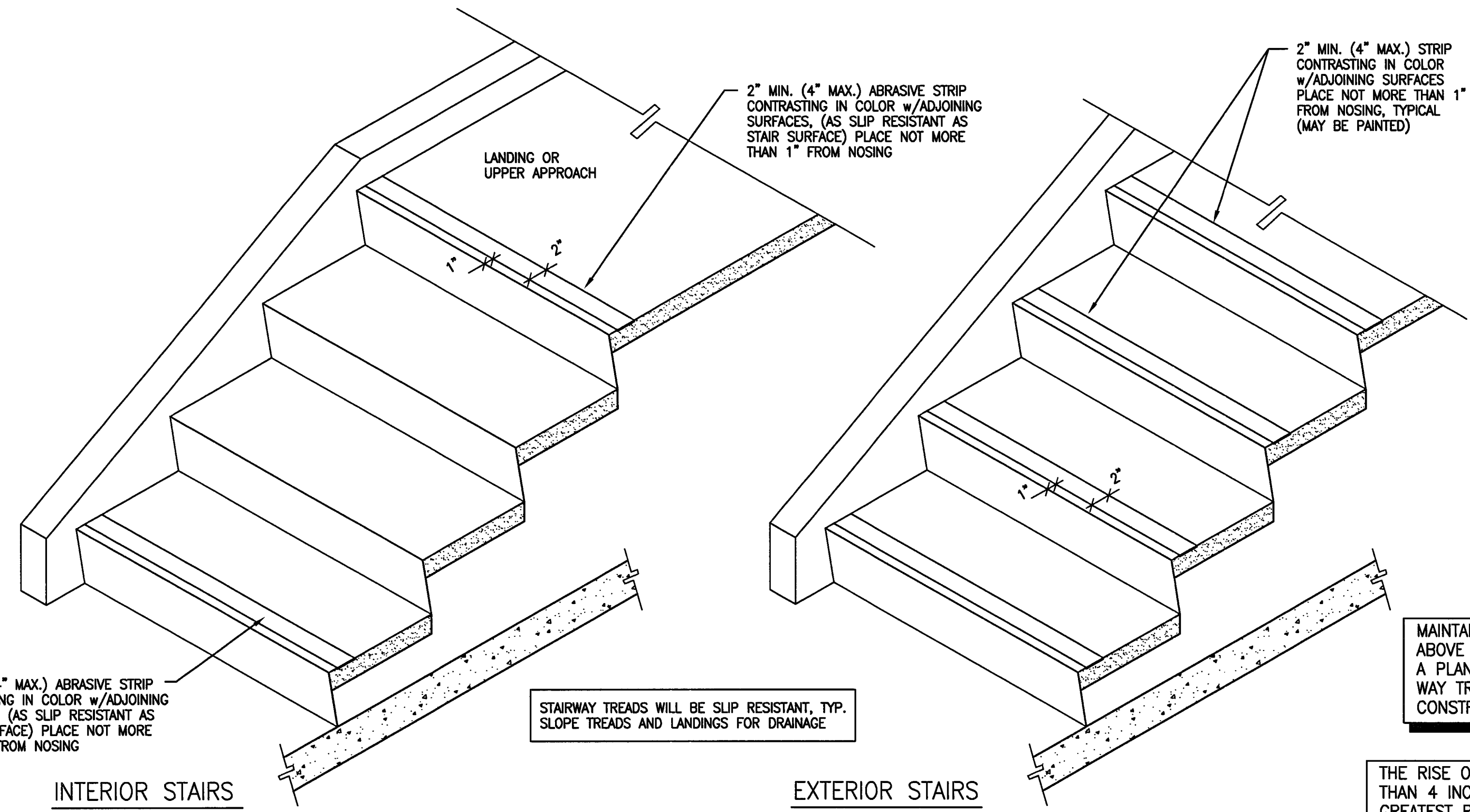
9 TYPICAL GUARDRAIL DETAILS
 SCALE: 1 1/2" = 1'-0"



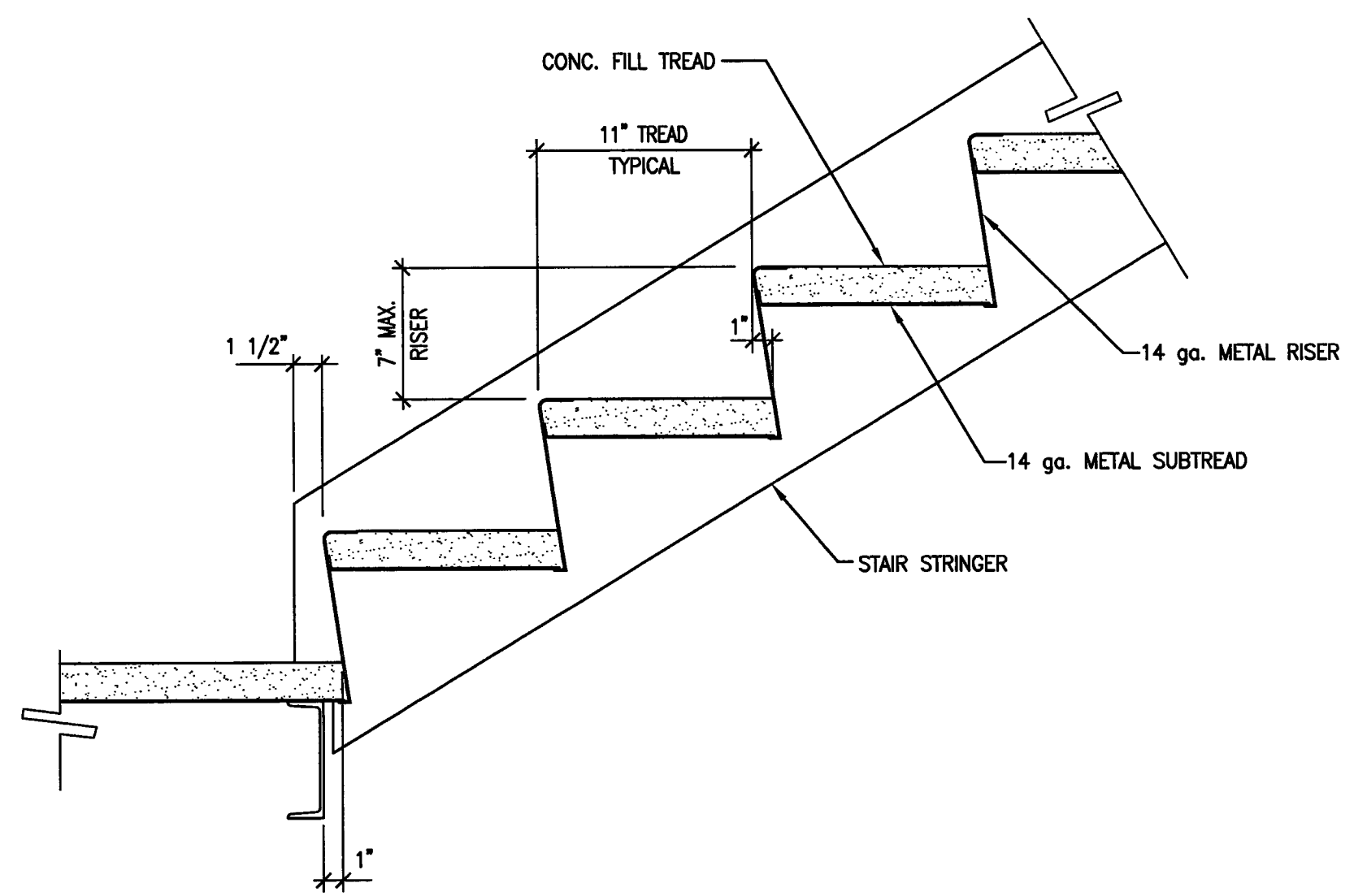
11 CONNECTION DETAIL
 SCALE: 3" = 1'-0"



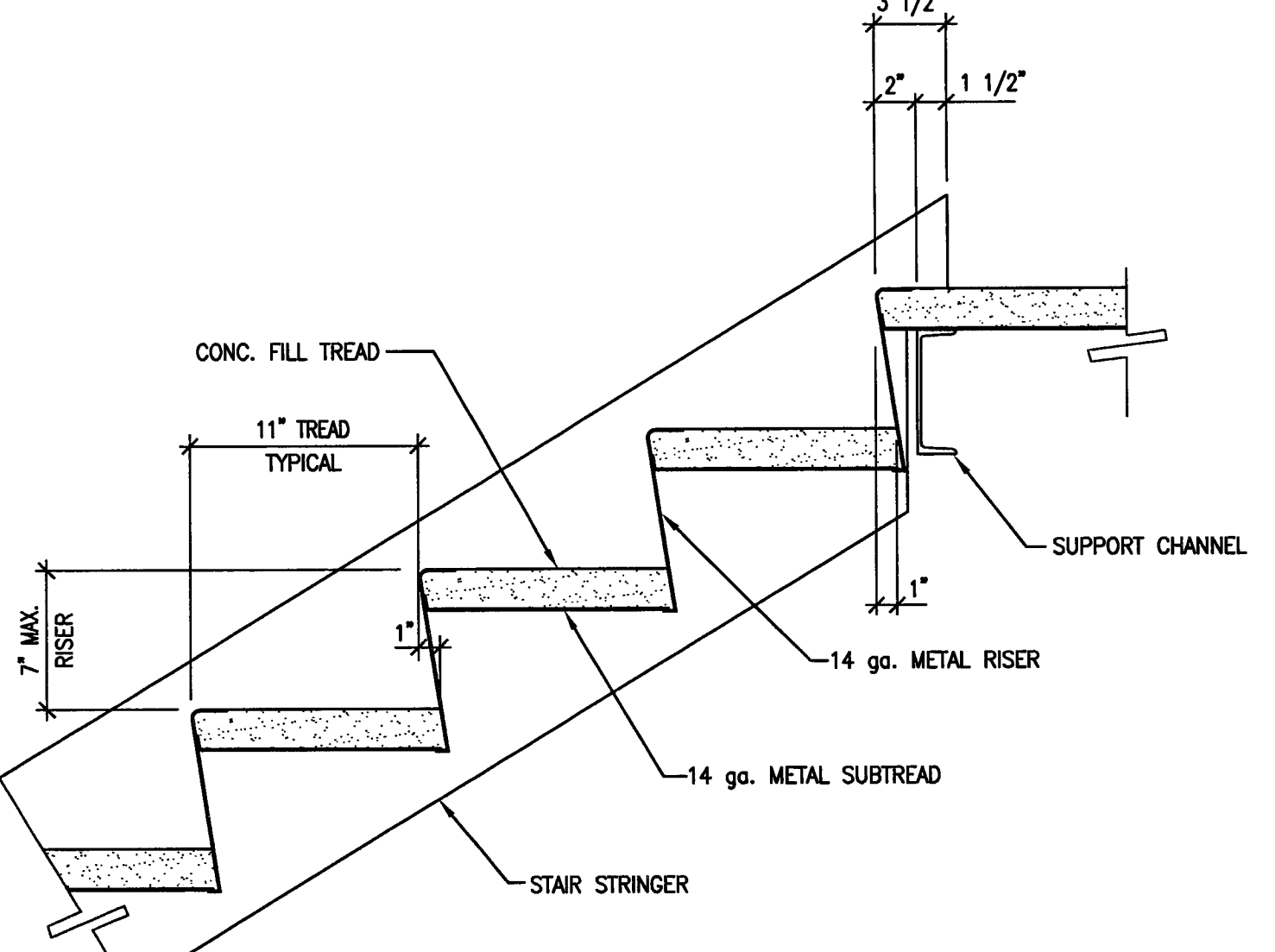
10 CONNECTION DETAIL
 SCALE: 3" = 1'-0"



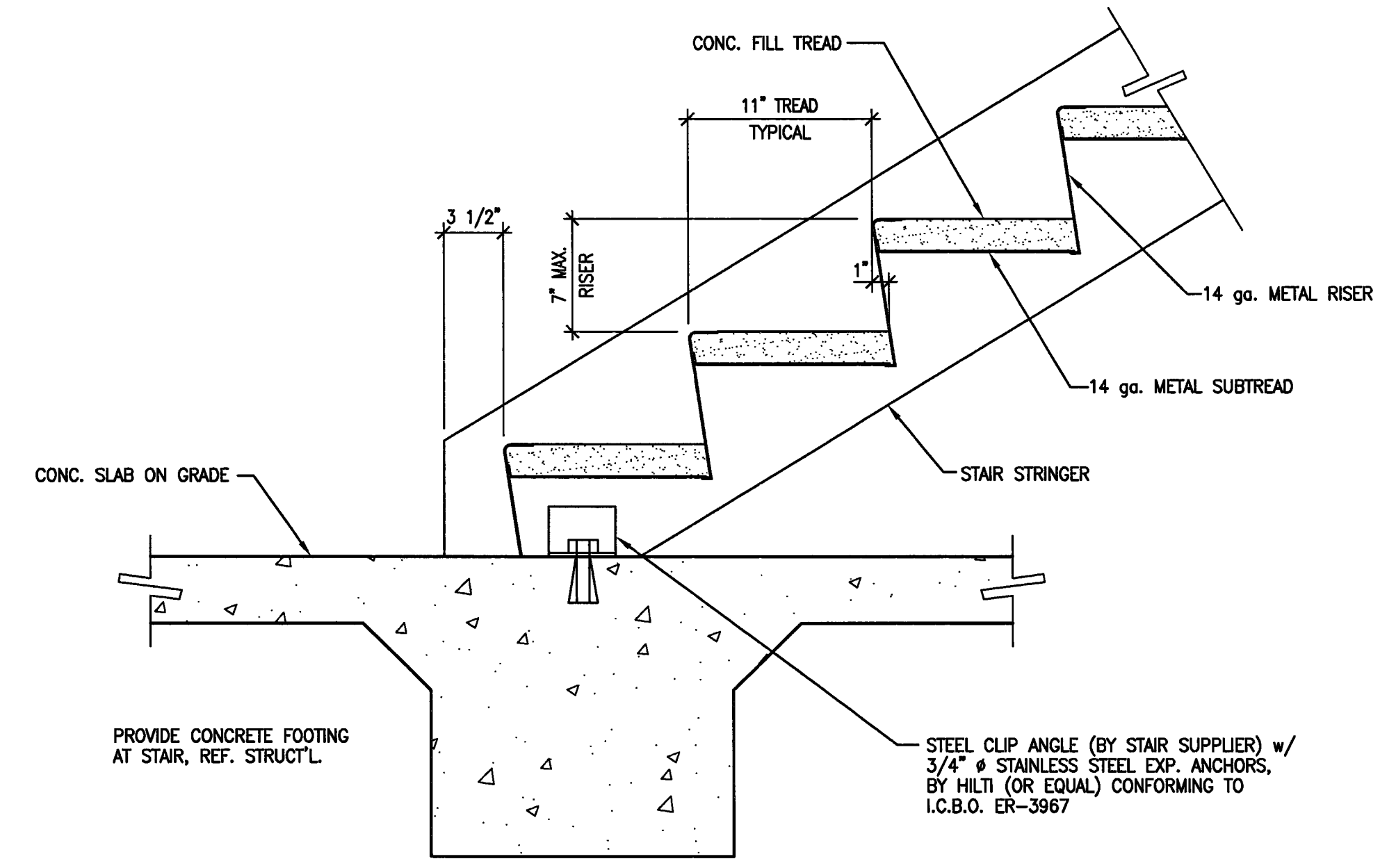
5 STAIR WARNING STRIPING DETAIL
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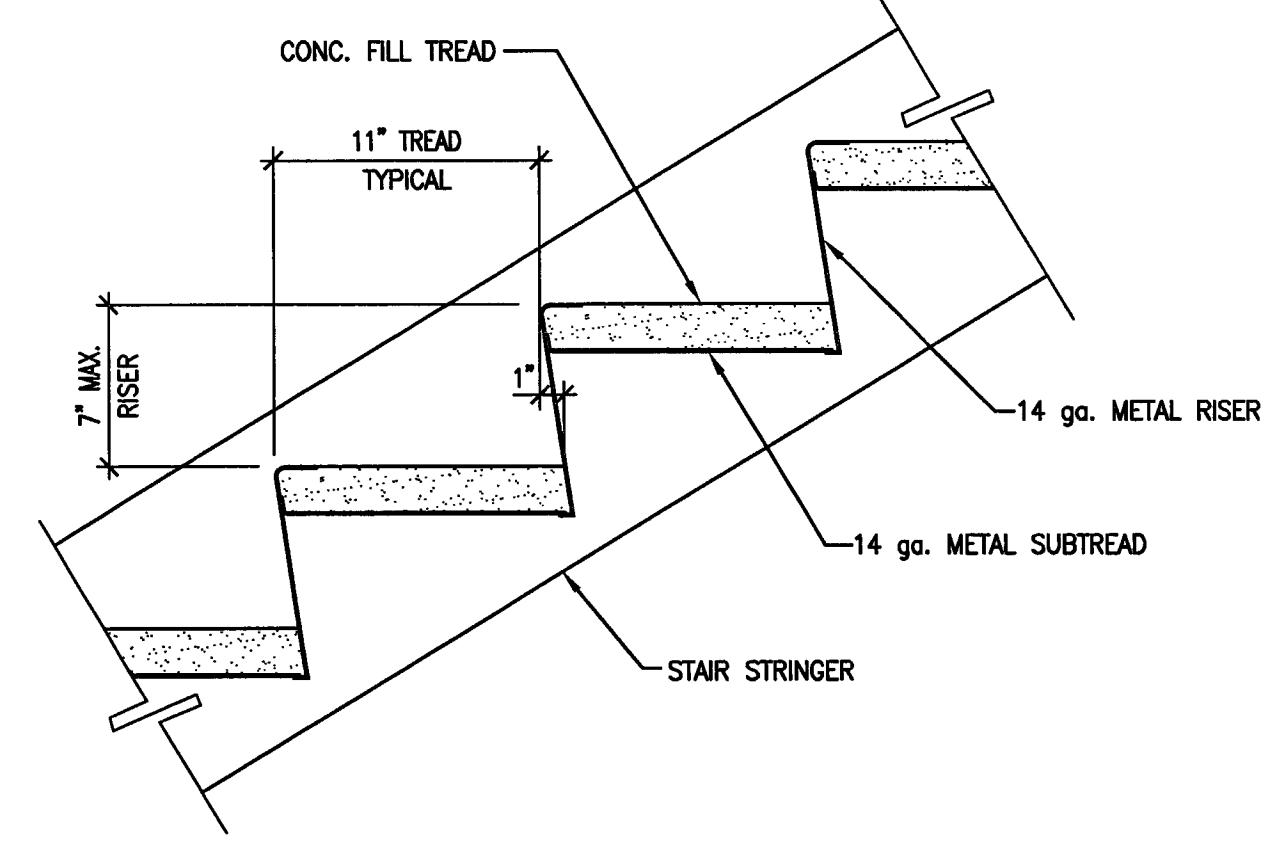
6 TYPICAL STAIR DETAIL
 SCALE: 1 1/2" = 1'-0"



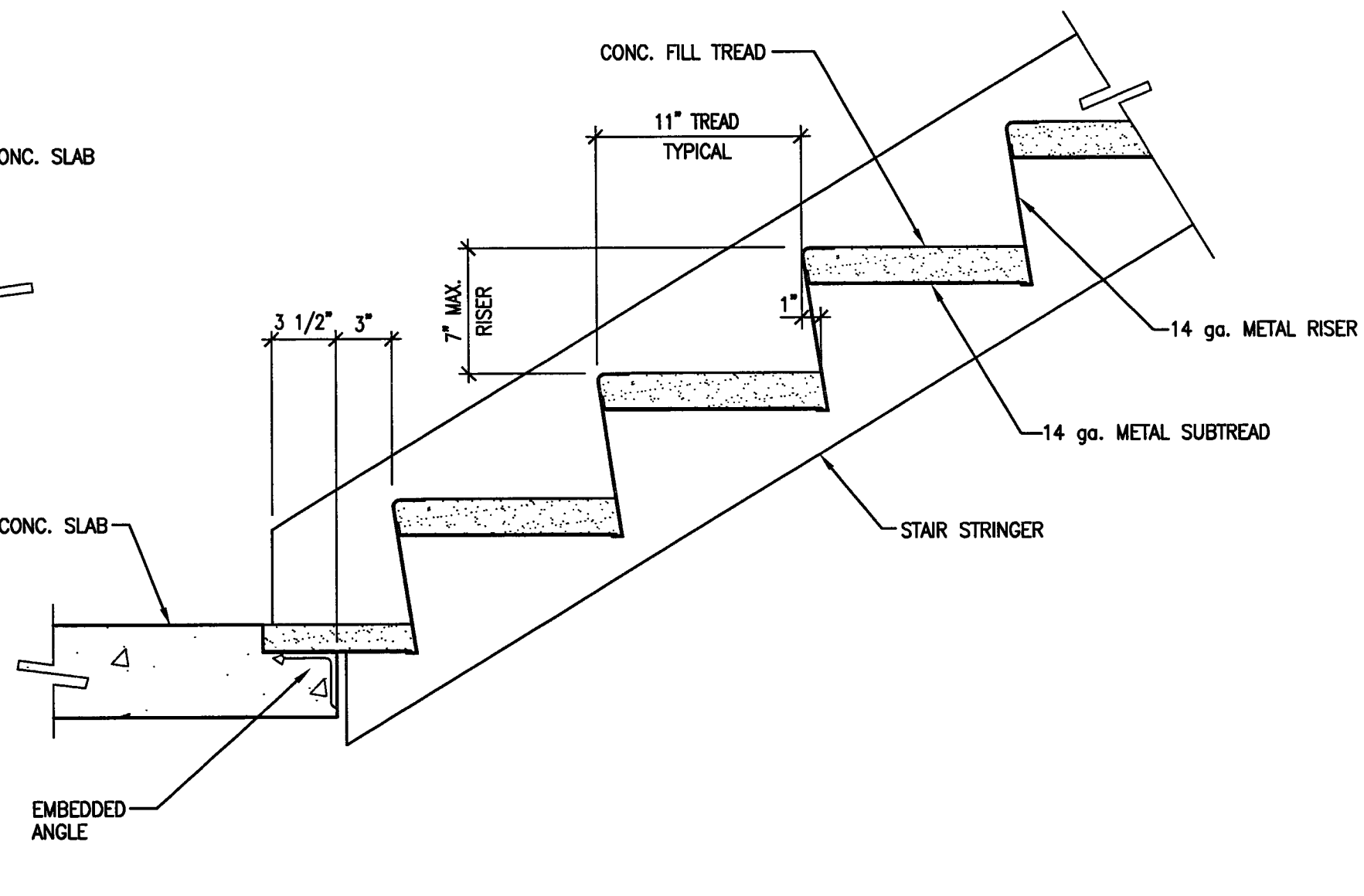
7 TYPICAL STAIR DETAIL
 SCALE: 1 1/2" = 1'-0"



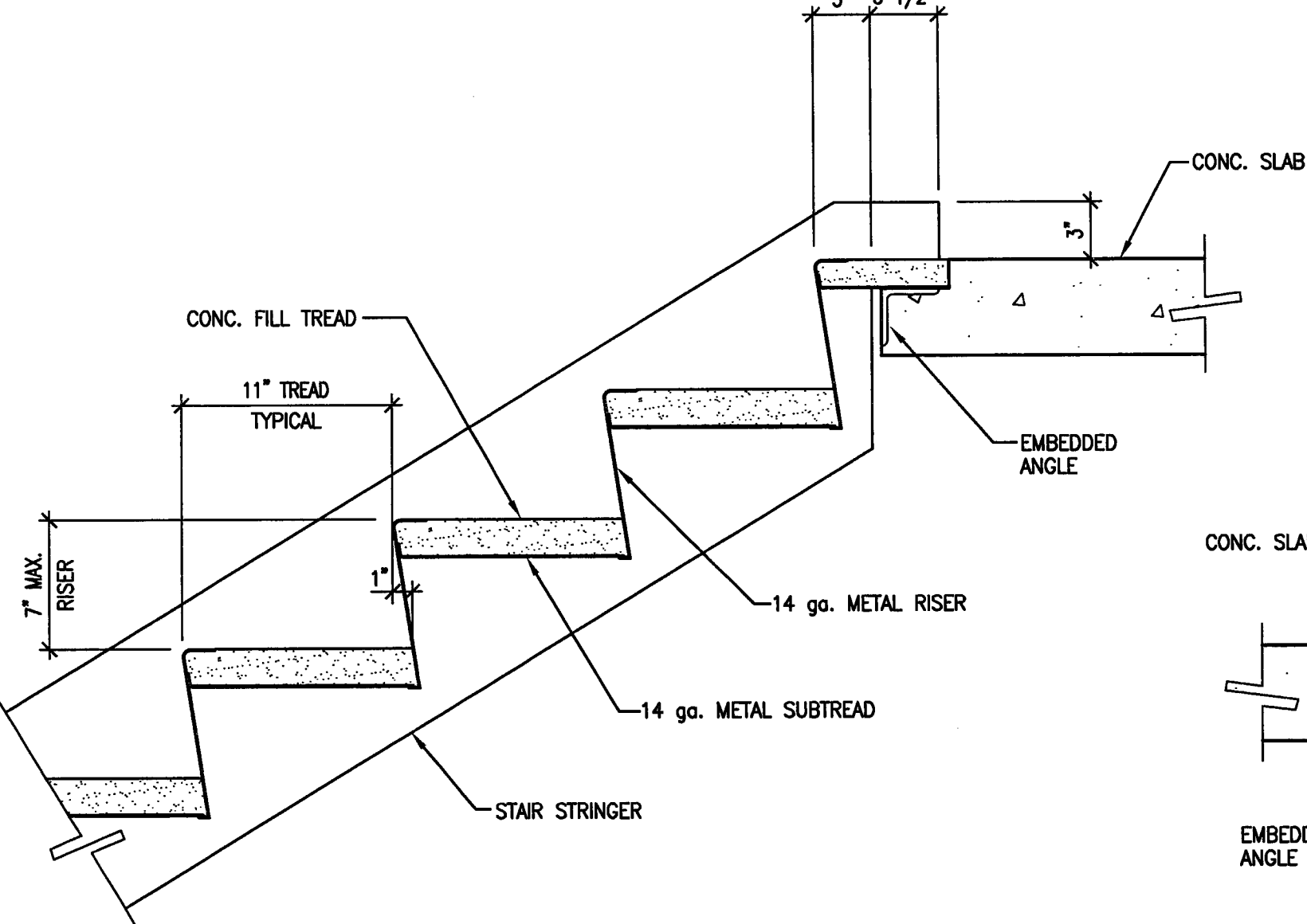
1 TYPICAL STAIR DETAIL
 SCALE: 1 1/2" = 1'-0"



2 TYPICAL STAIR DETAIL
 SCALE: 1 1/2" = 1'-0"



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



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

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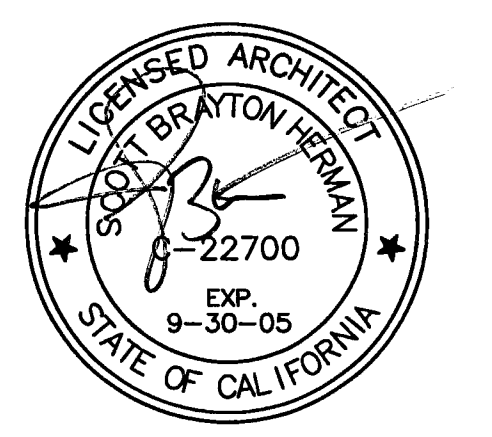
Electrical Designer - Design/Builder:
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 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

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Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

11/29/04	PLANCHCK SET
3/11/05	PERMIT SET

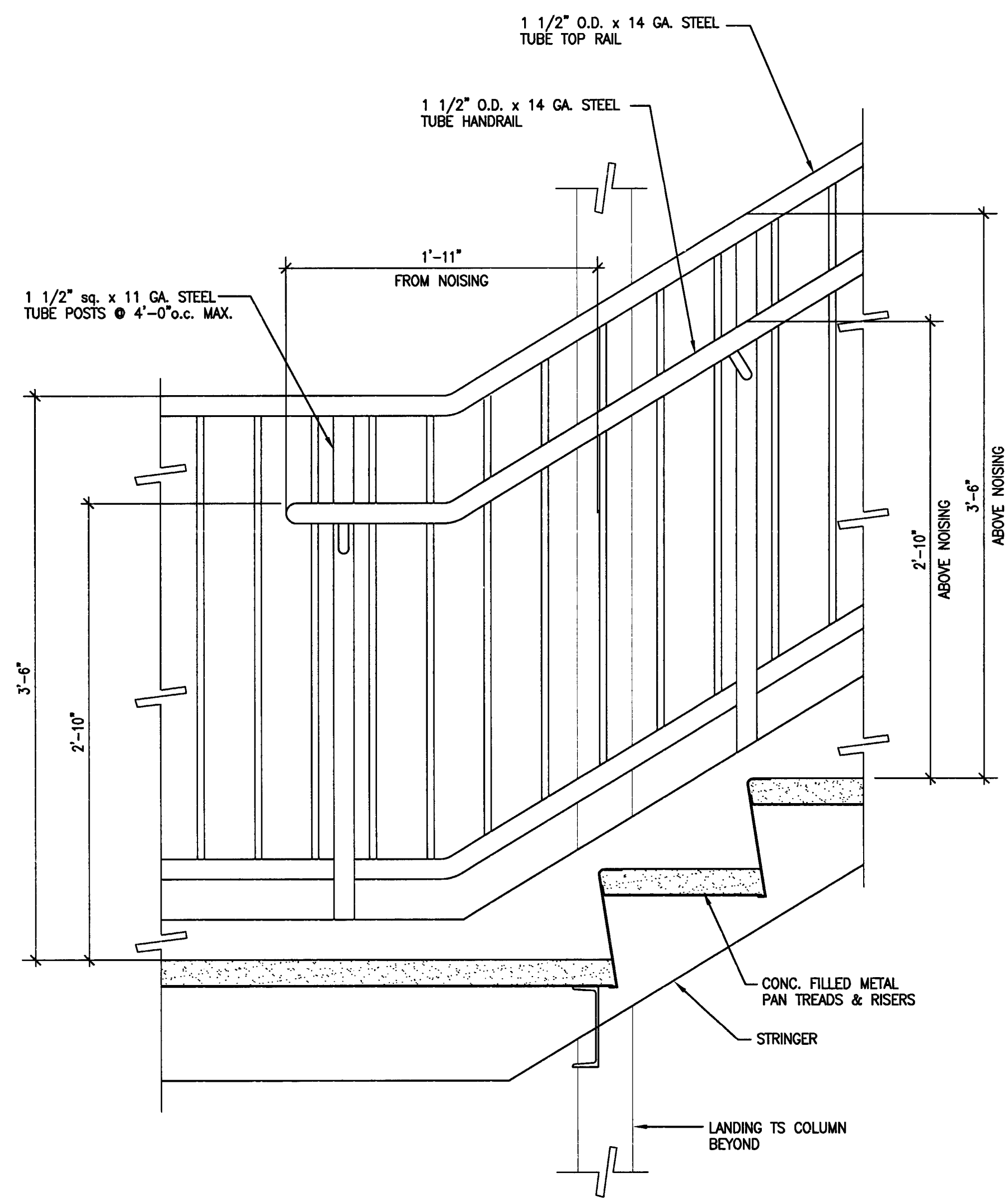


SHEET TITLE

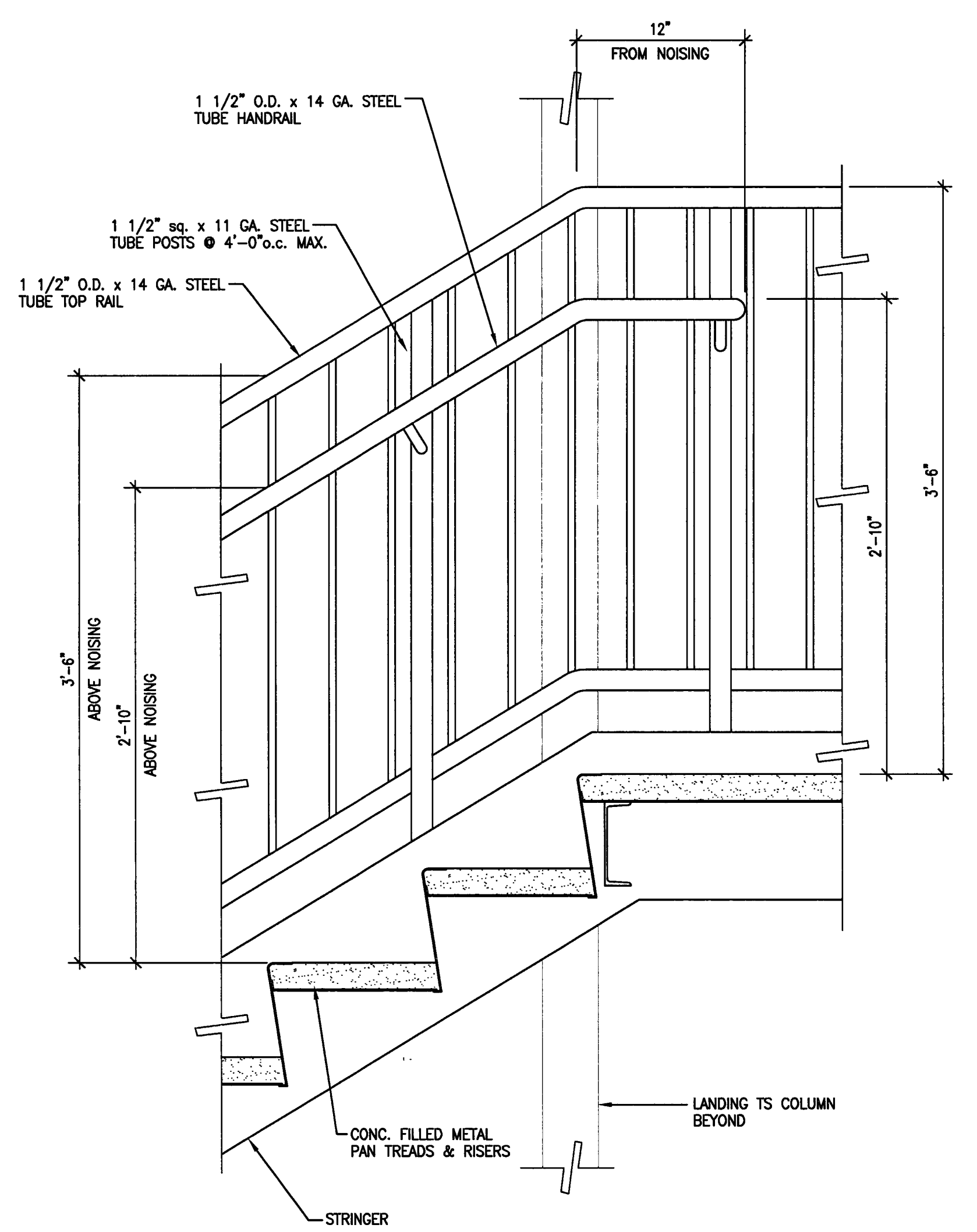
TYPICAL STAIR DETAILS

DATE	29, NOV. 2004	SCALE	1 1/2" = 1'-0"
DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2319A-8-2	SHEET	
PROGRAM NO.		R-NO.	

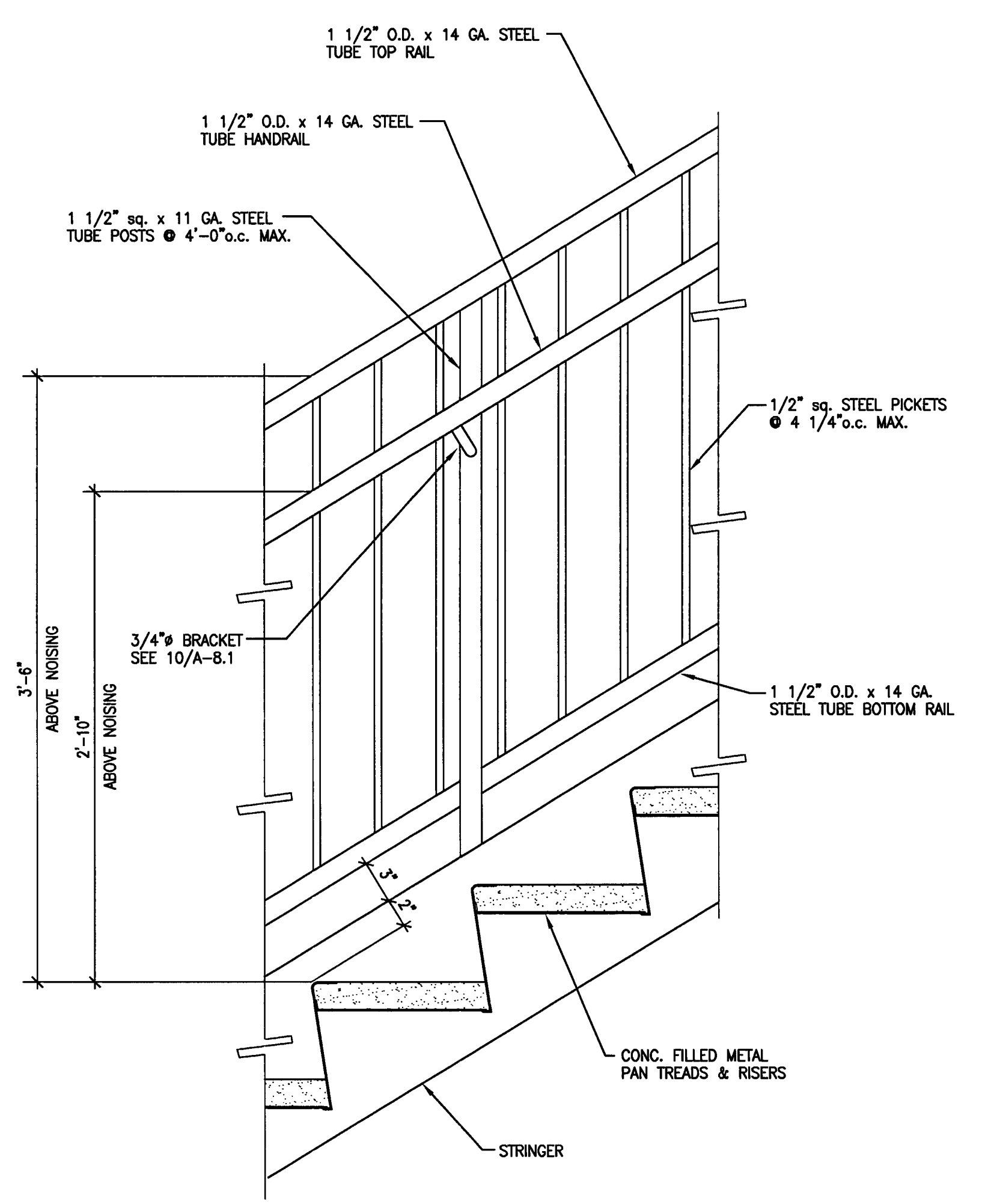
DRAWING NO:
A-8.2
 PROJECT NO:
 HNA 2319



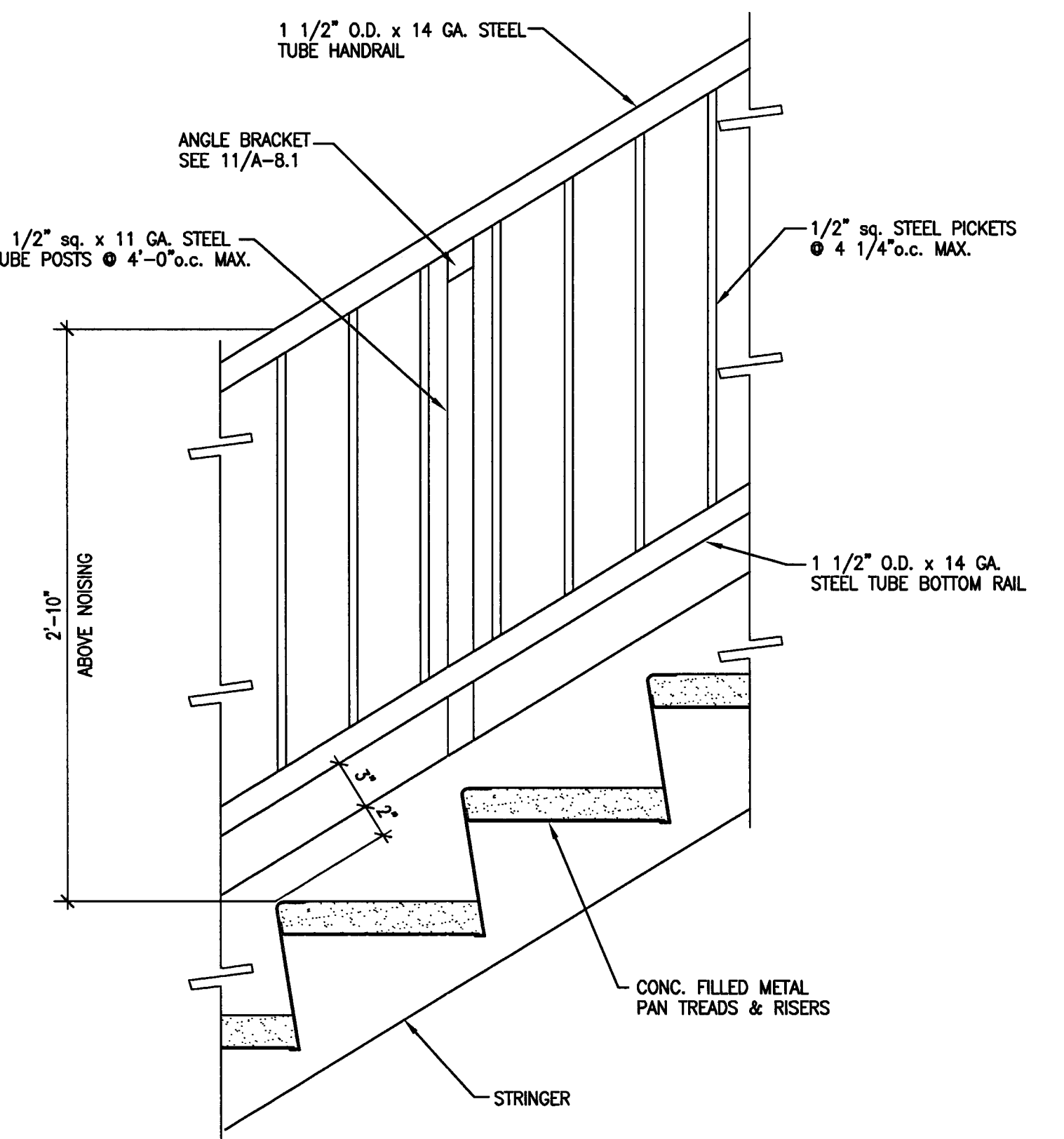
7 TYPICAL OUTSIDE HANDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"



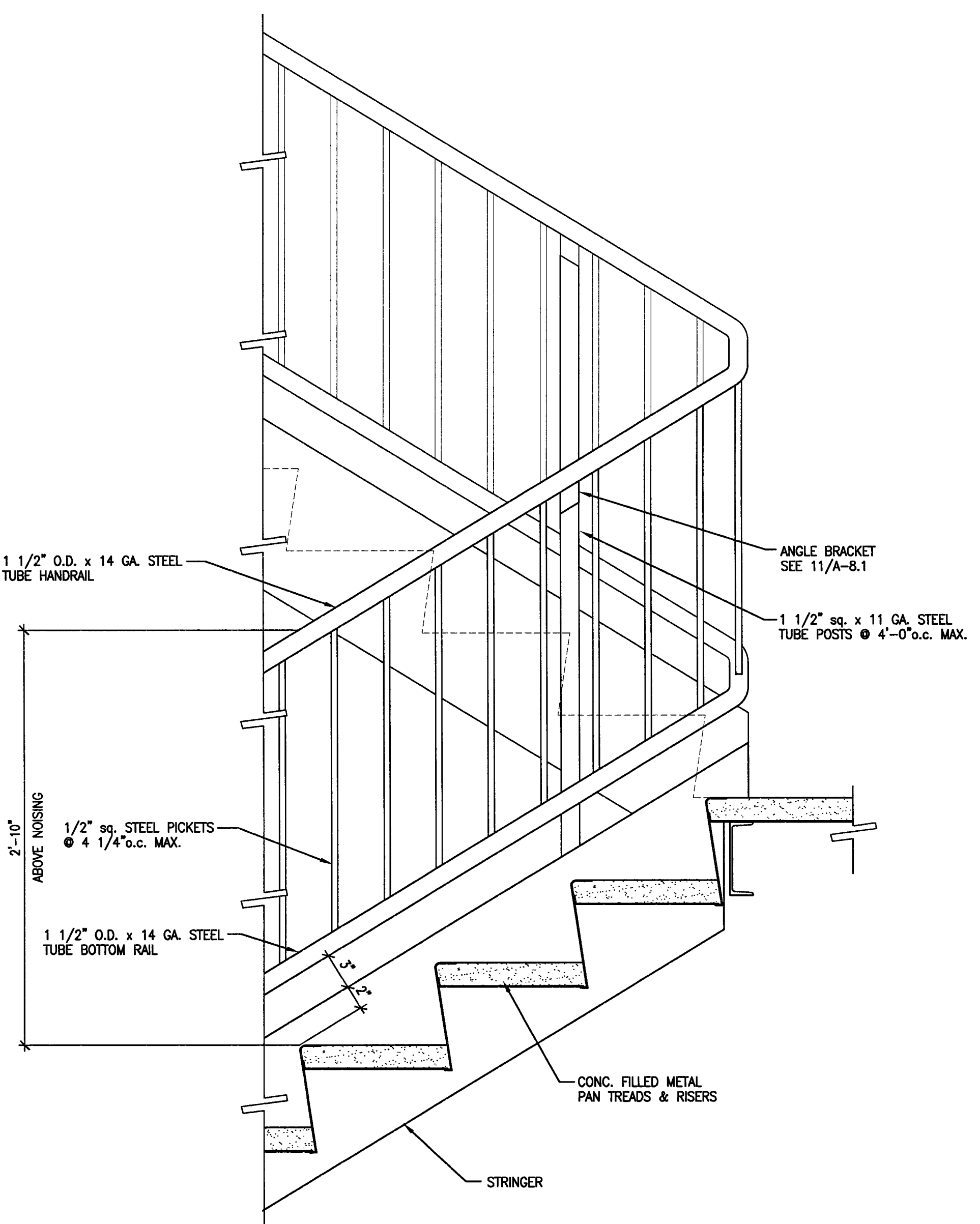
6 TYPICAL OUTSIDE HANDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"



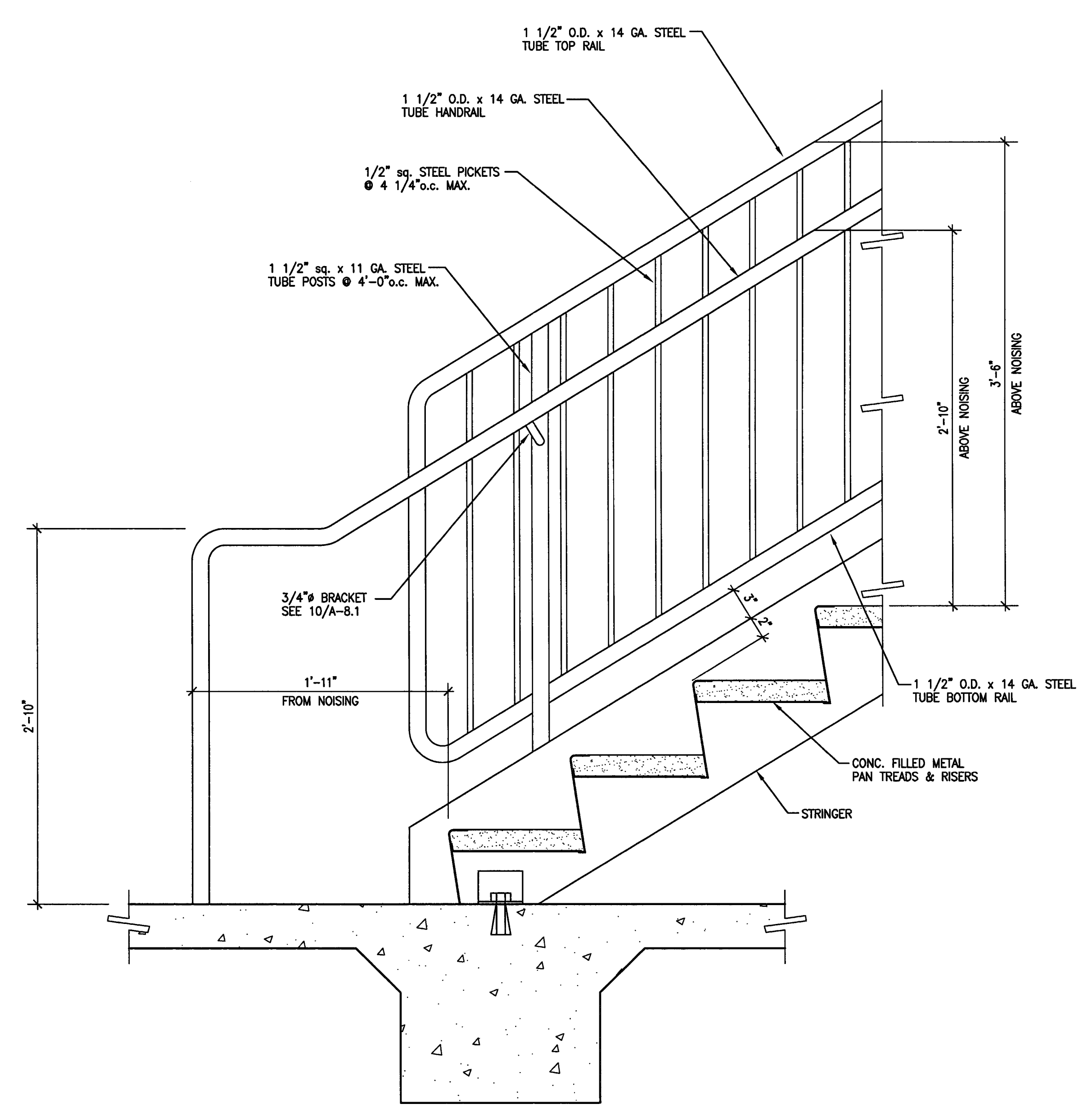
5 TYPICAL OUTSIDE HANDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"



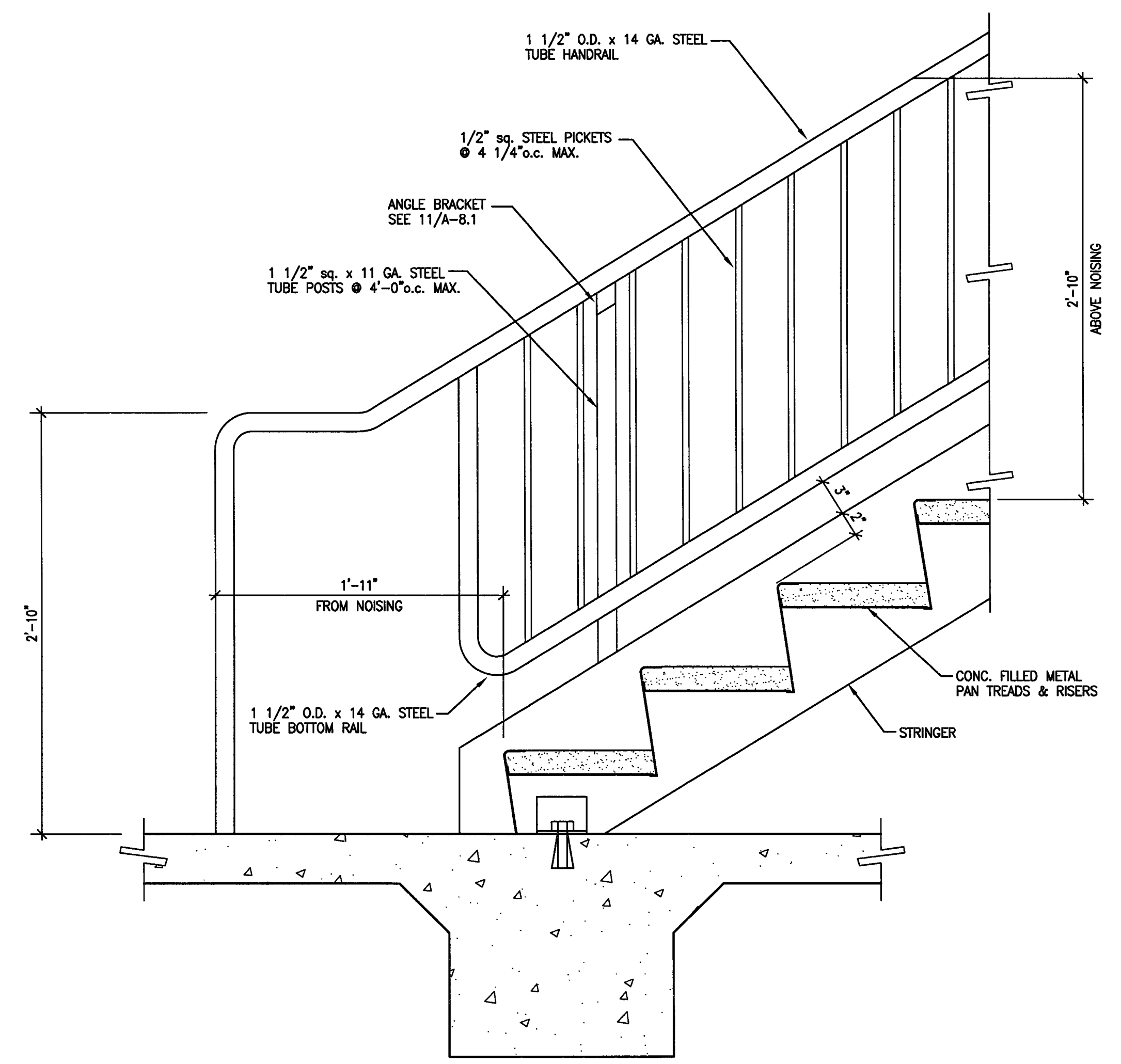
4 TYPICAL INSIDE HANDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"



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



2 OUTSIDE HANDRAIL/GUARDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"



1 INSIDE HANDRAIL DETAIL
 SCALE: 1 1/2" = 1'-0"

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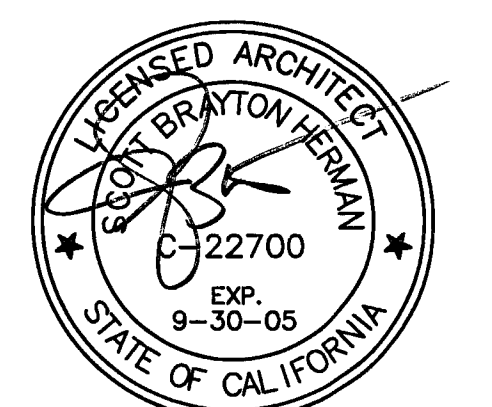
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CONST. DOCUMENTS

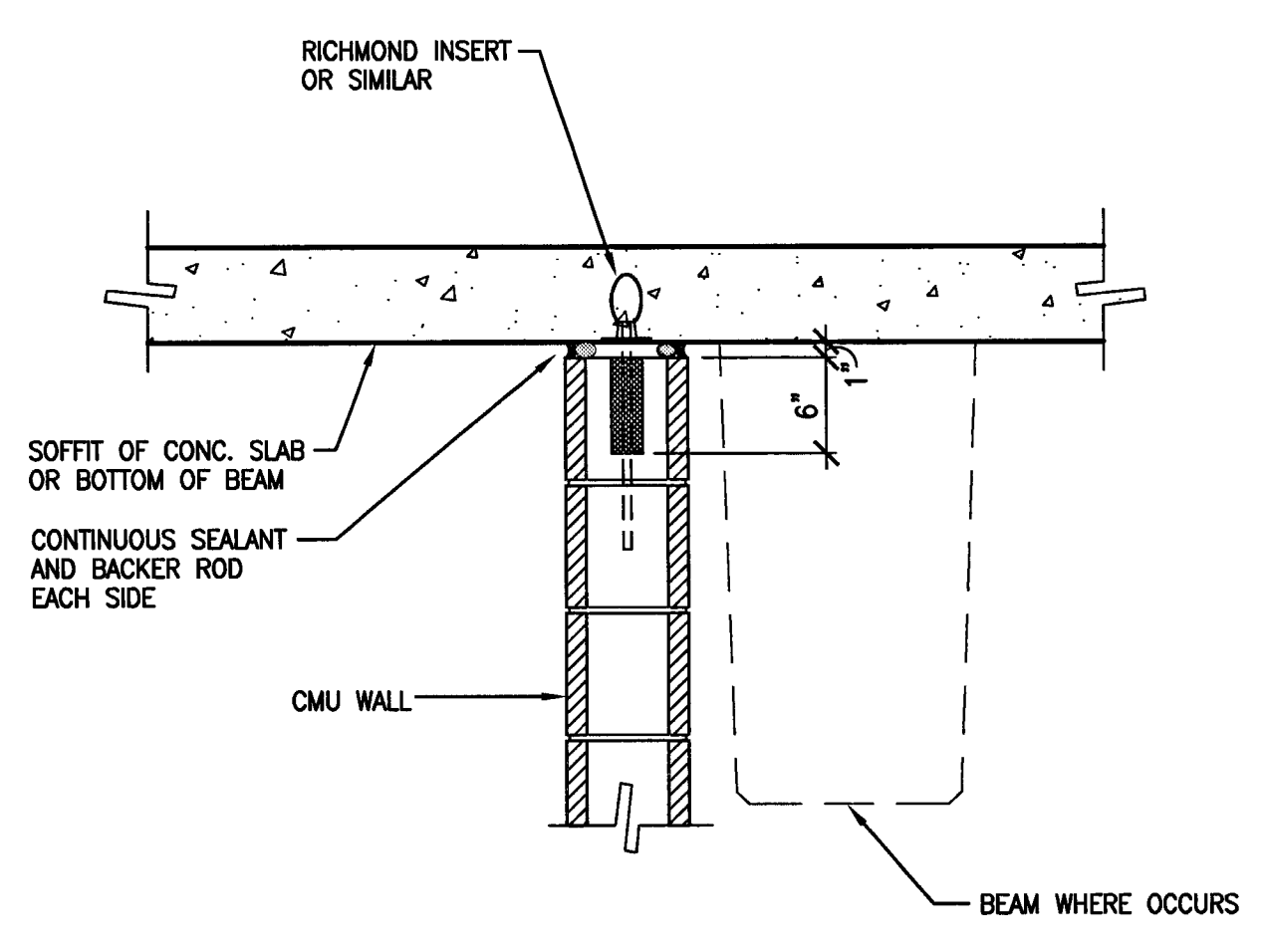
REVISIONS:

11/29/04	PLANCHHECK SET
3/11/05	PERMIT SET

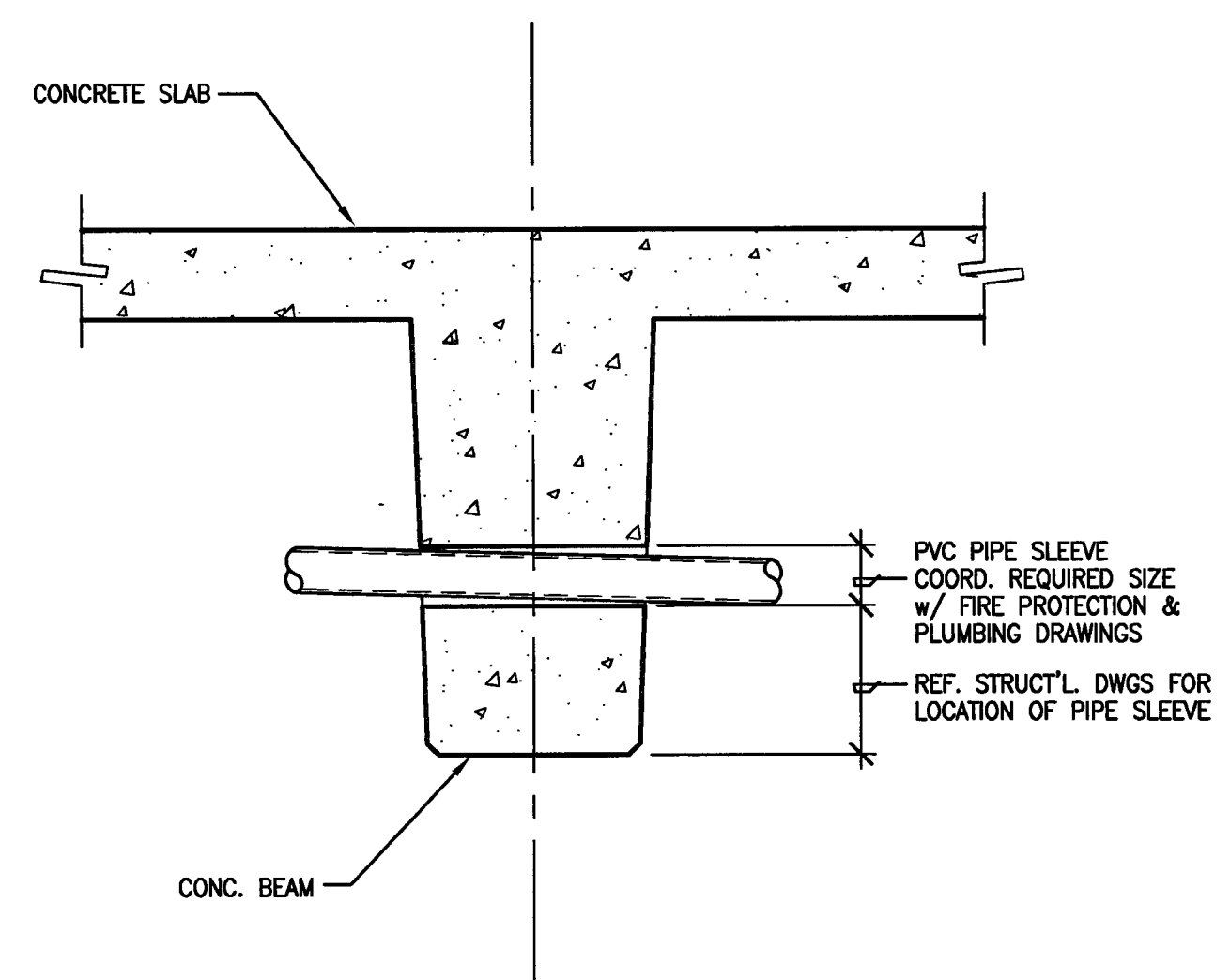


SHEET TITLE
TYPICAL DETAILS

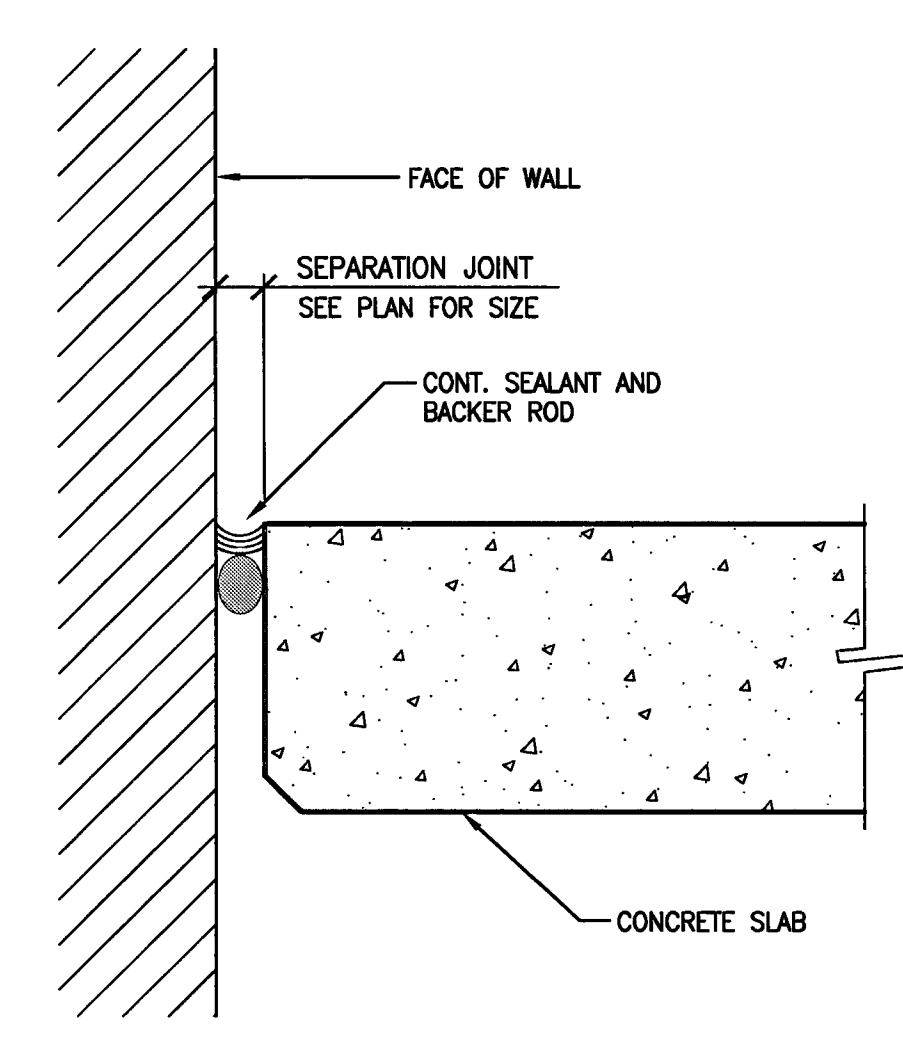
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DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2319A-8-3	SHEET	
PROGRAM NO.		R-NO.	
DRAWING NO.	A-8.3		
PROJECT NO.	HNA 2319		



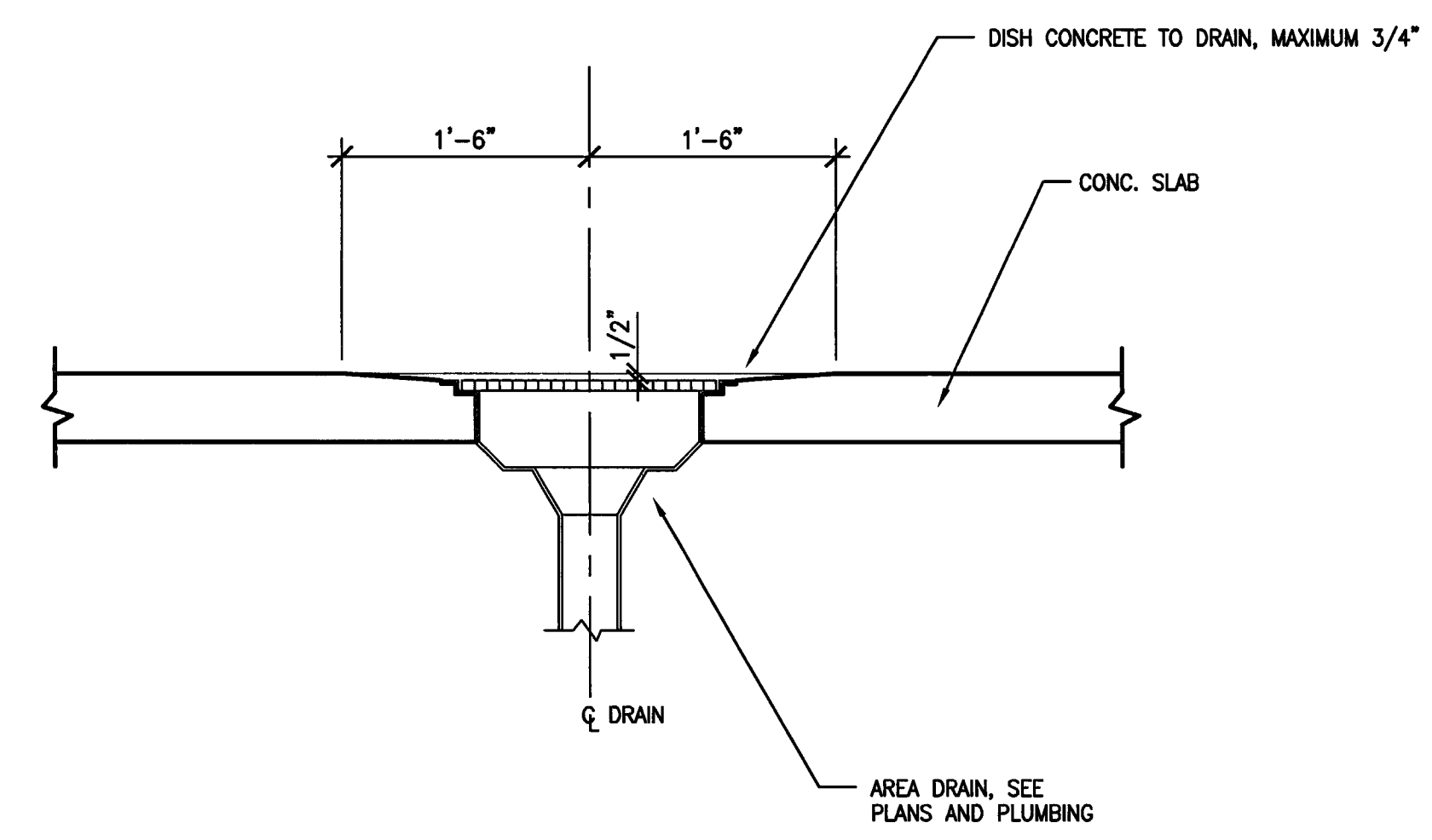
7 WALL SUPPORT DETAIL
 SCALE: 1" = 1'-0"



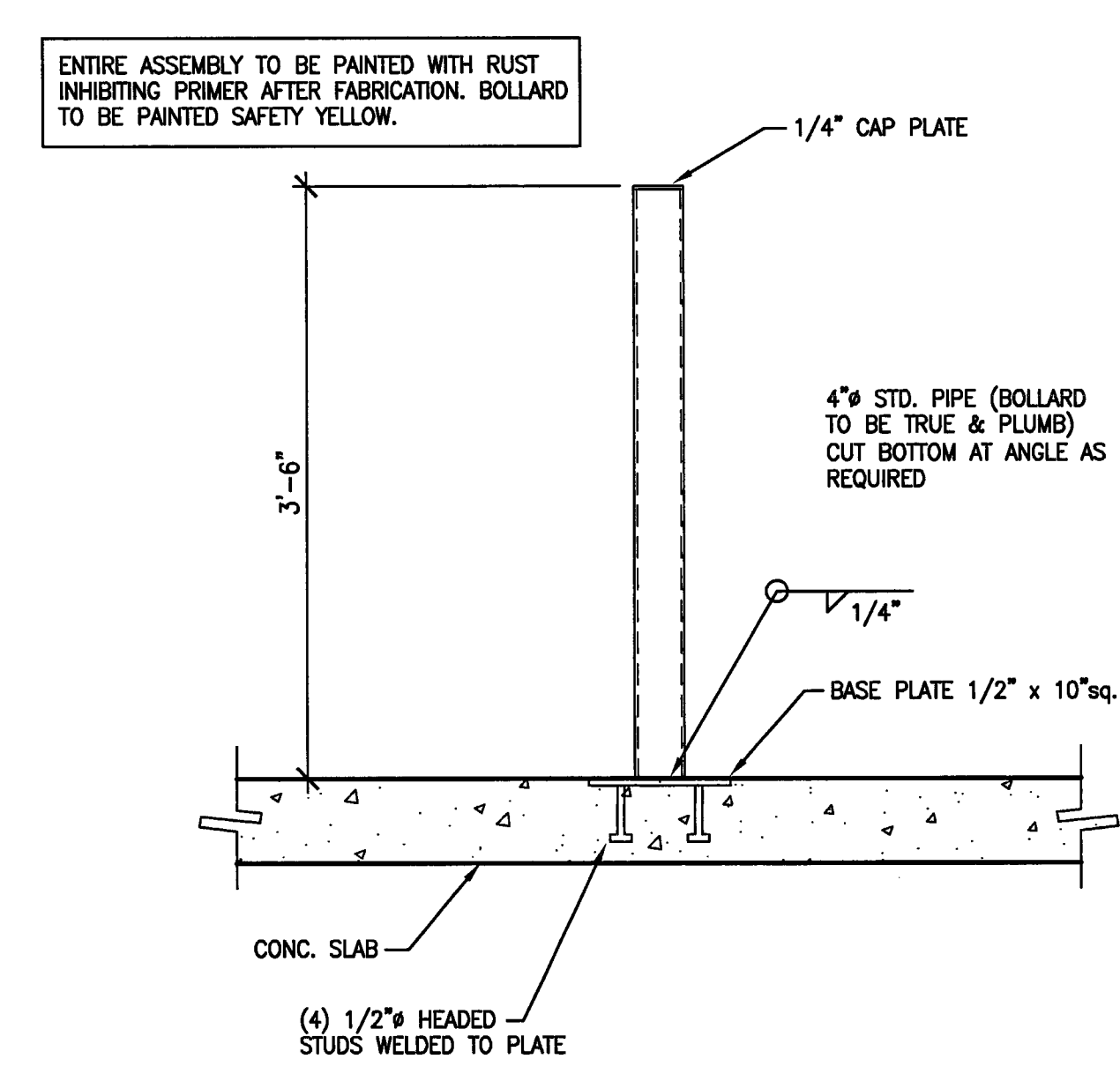
6 PIPE SLEEVE THROUGH BEAM
 SCALE: 1" = 1'-0"



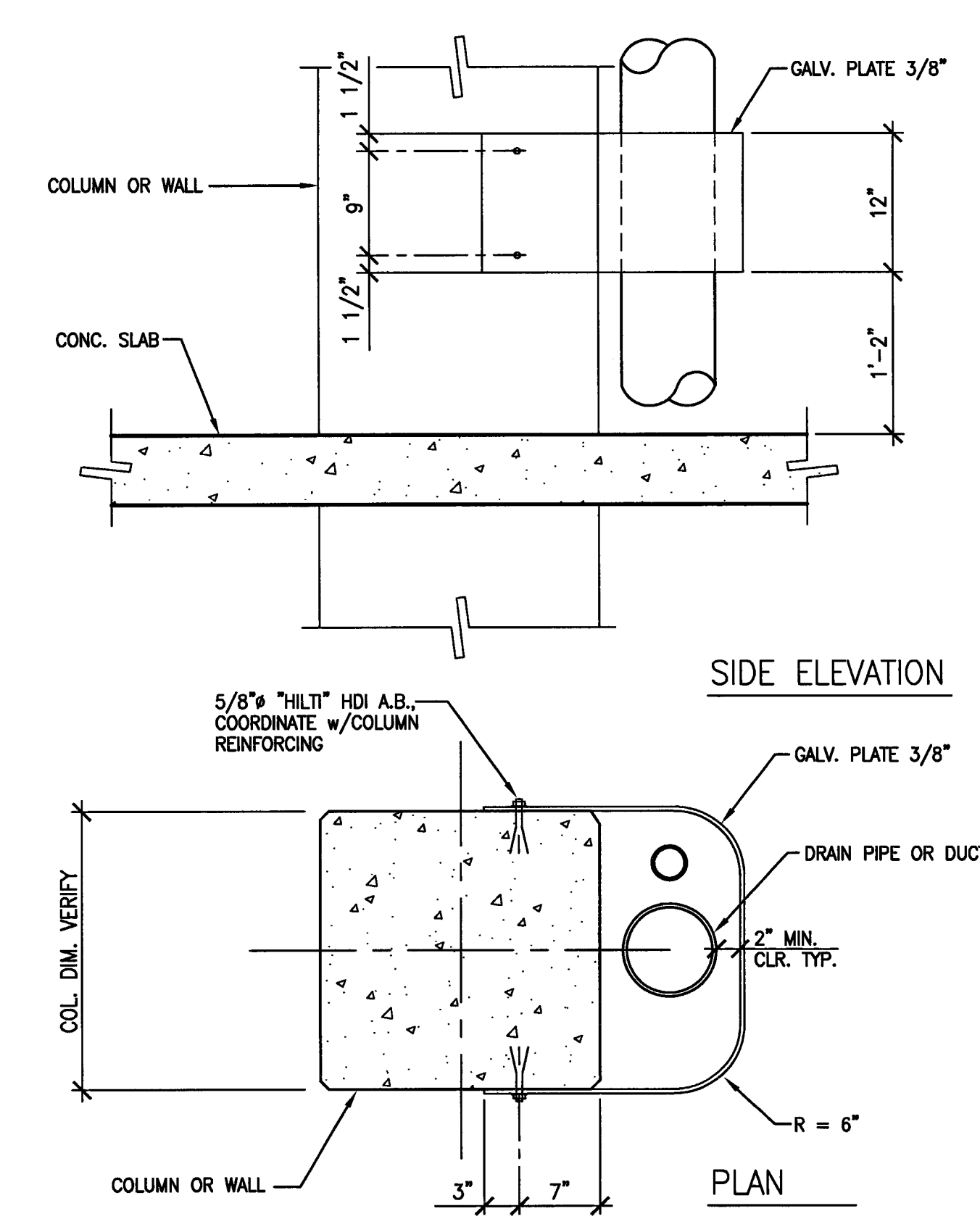
5 SEPARATION JOINT DETAIL
 SCALE: 3" = 1'-0"



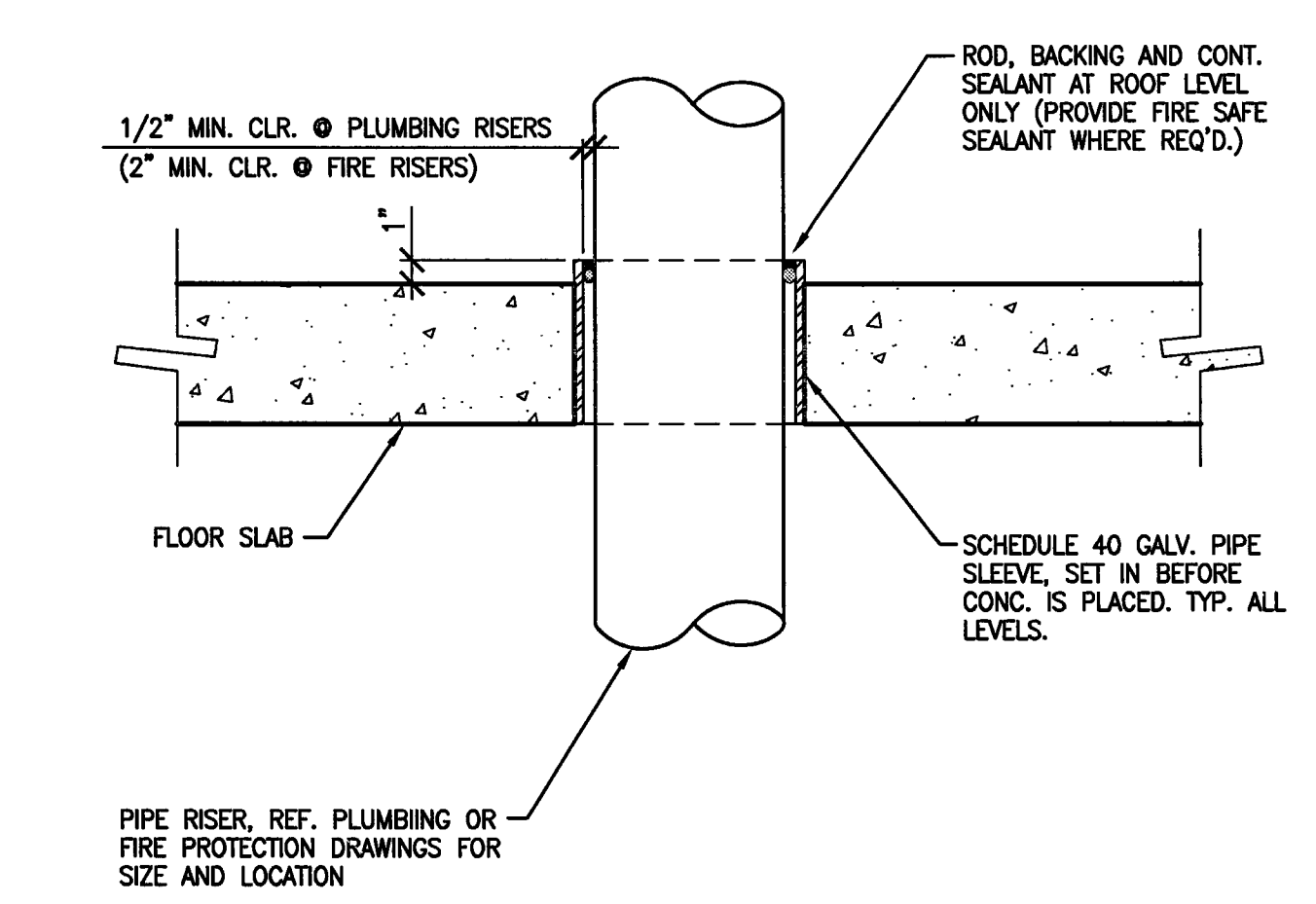
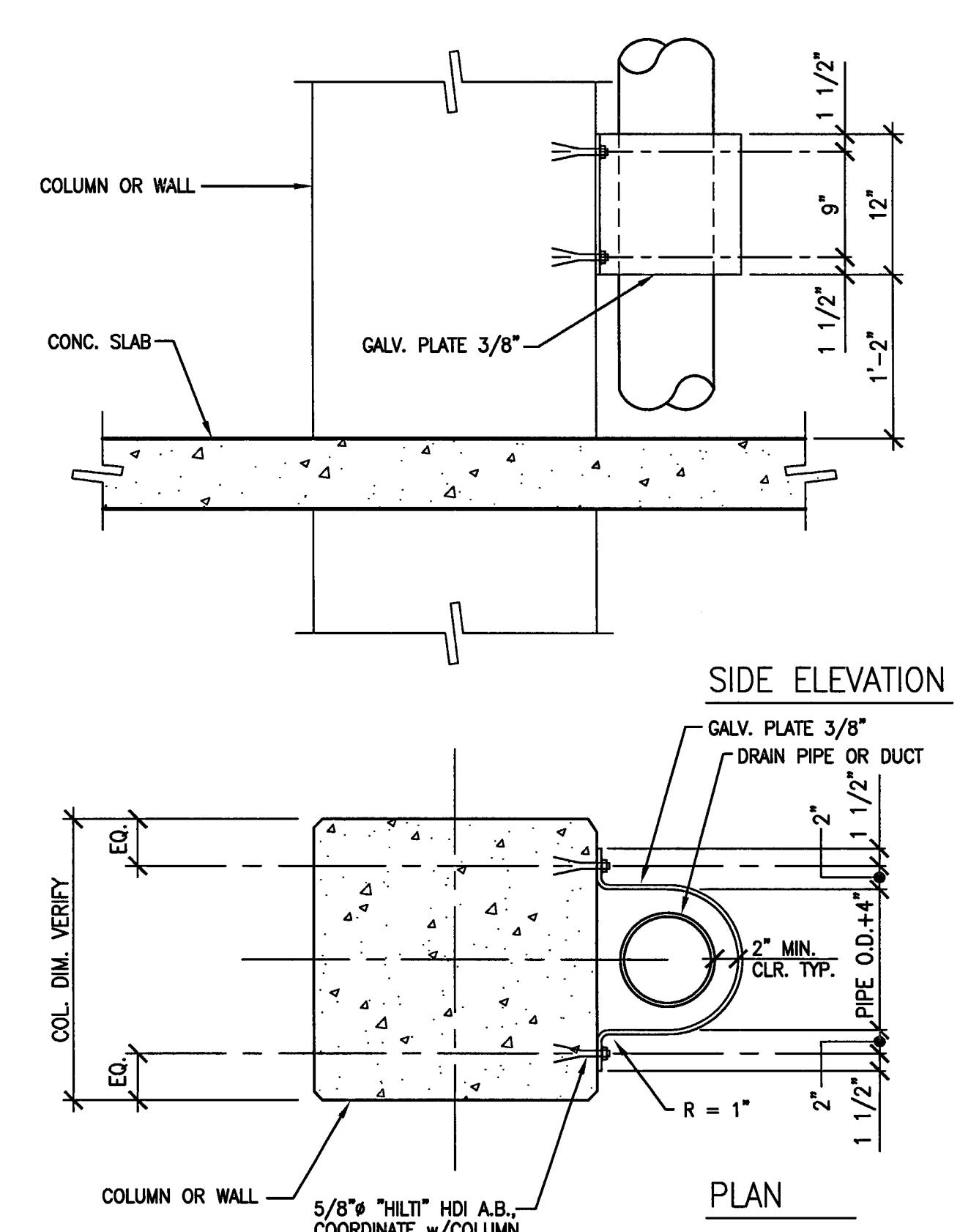
4 AREA DRAIN
 SCALE: 1" = 1'-0"



3 BOLLARD DETAIL
 SCALE: 1" = 1'-0"



2 TYPICAL PIPE/DUCT GUARDS
 SCALE: 1" = 1'-0"



1 TYPICAL PIPE SLEEVE @ SLAB
 SCALE: 1 1/2" = 1'-0"

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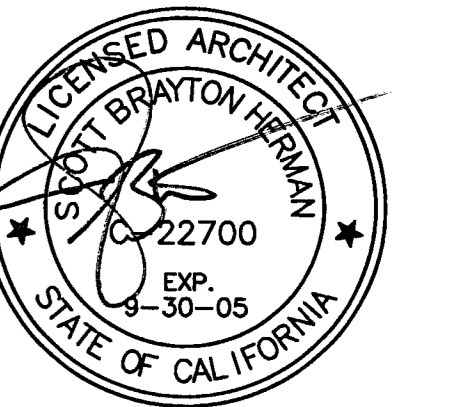
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REVISIONS:

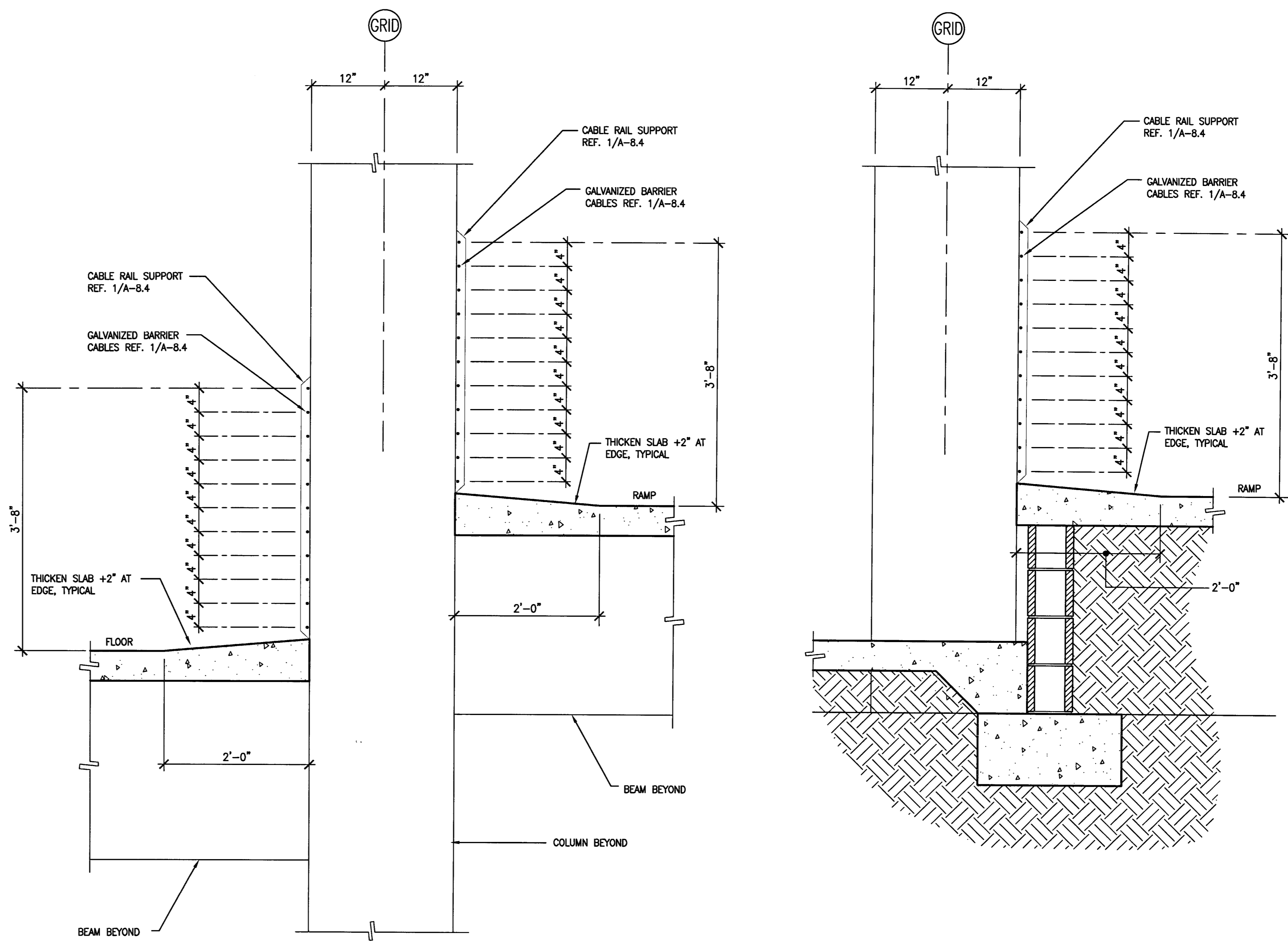
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3/11/05	PERMIT SET



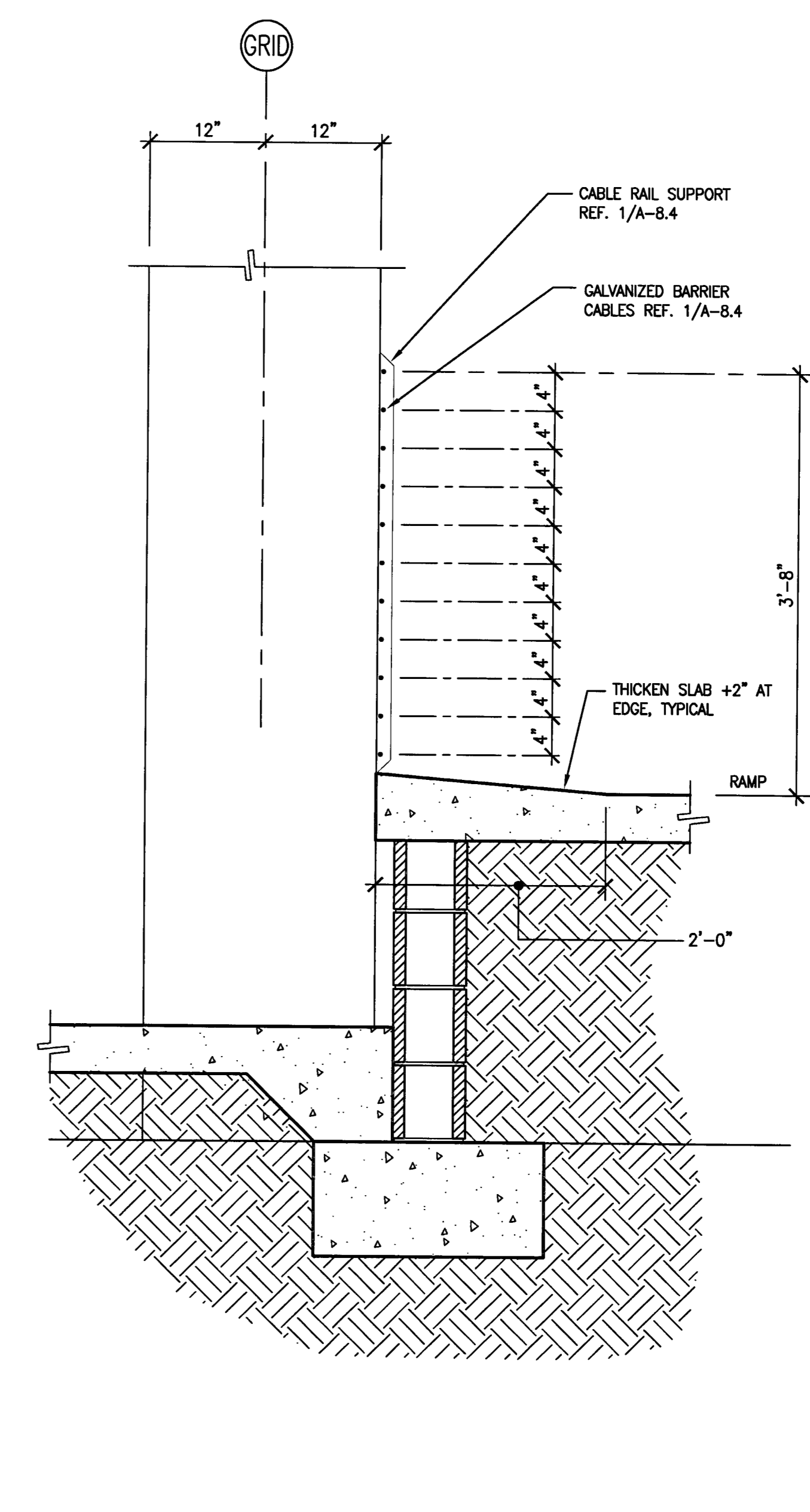
SHEET TITLE
BARRIER CABLE AND JOINT DETAILS

DATE	SCALE
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DRAWN BY	CHECKED BY
SBH	SBH
DRAWING NO.	SHEET
2319A-8-4	
PROGRAM NO.	R-NO.

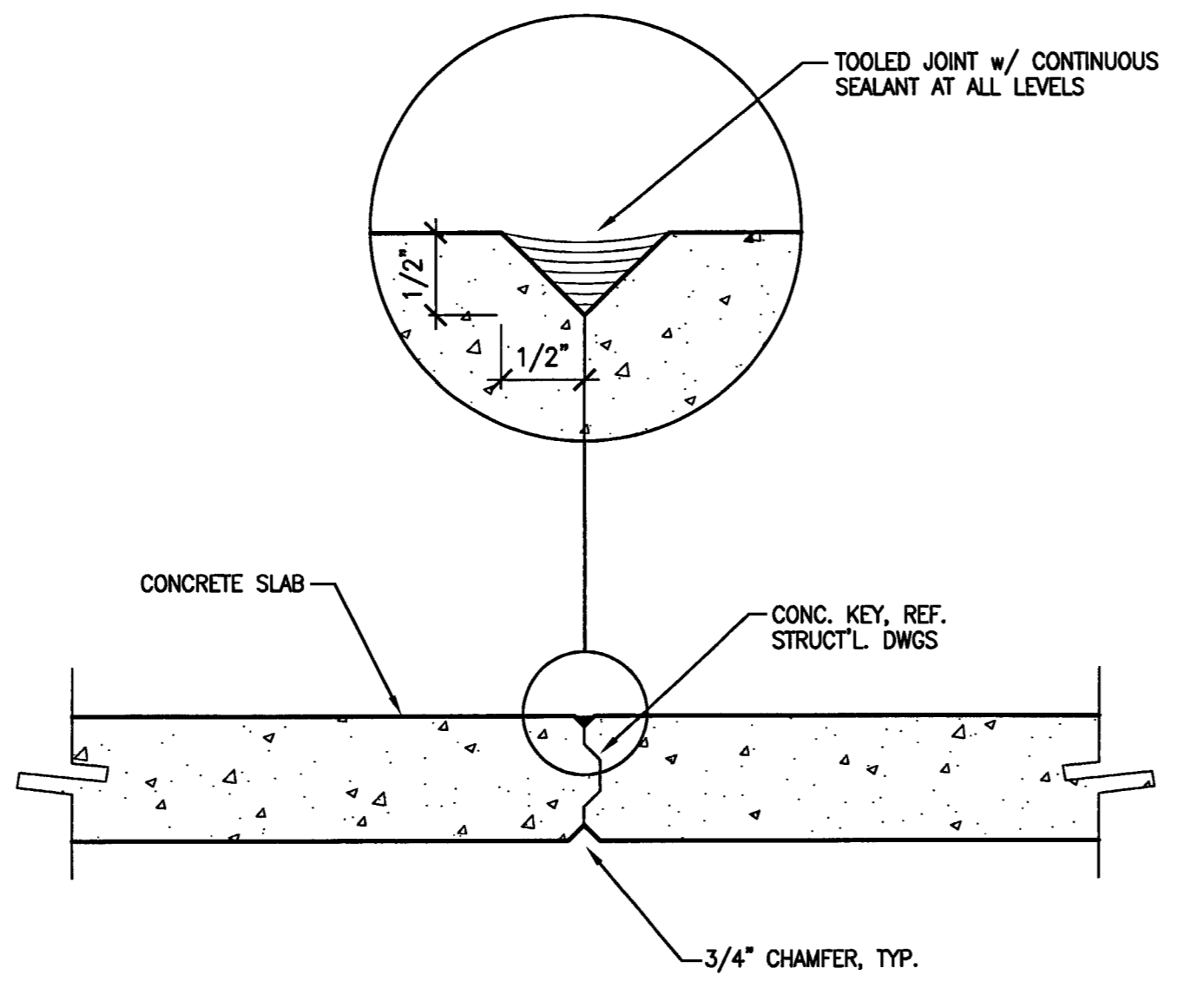
DRAWING NO:
A-8.4
 PROJECT NO:
 HNA 2319



5 TYPICAL RAMP BARRIER CABLE DETAIL
 SCALE: 1" = 1'-0"



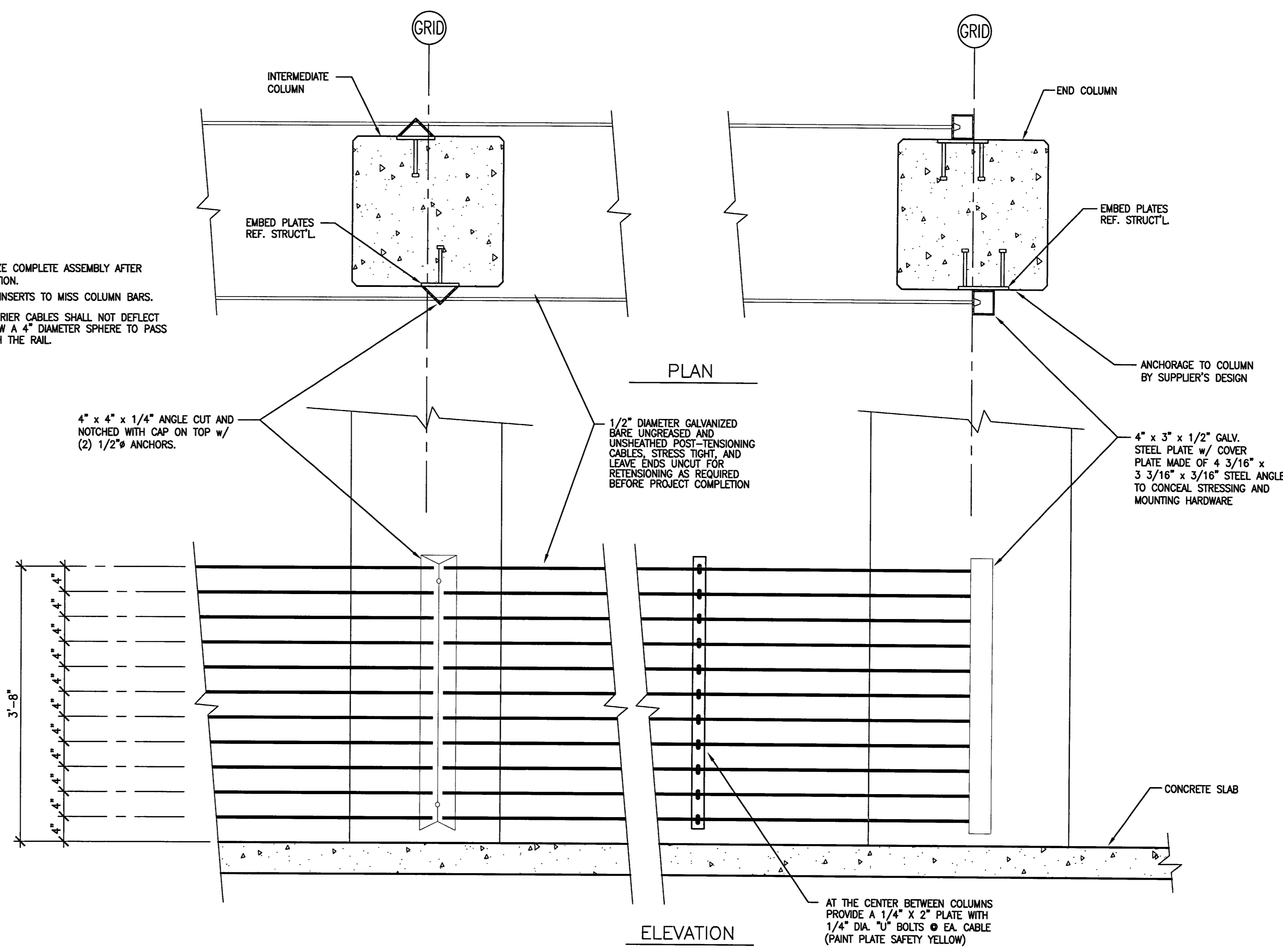
4 TYPICAL RAMP BARRIER CABLE DETAIL
 SCALE: 1" = 1'-0"



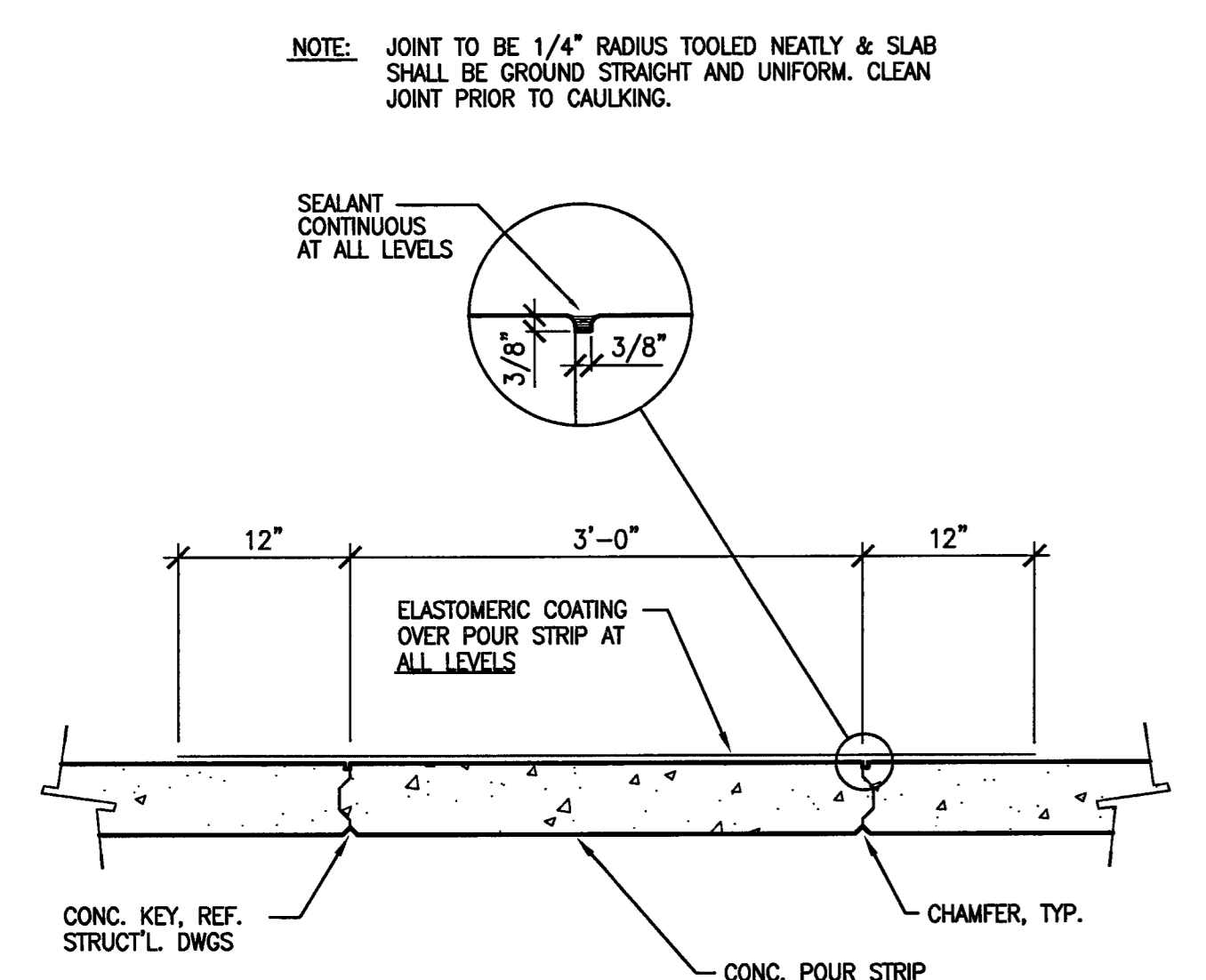
NOTE: JOINT SHALL BE TOOLED NEATLY & BE GROUND UNIFORMLY AND STRAIGHT. CLEAN THE JOINT BEFORE CAULKING

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

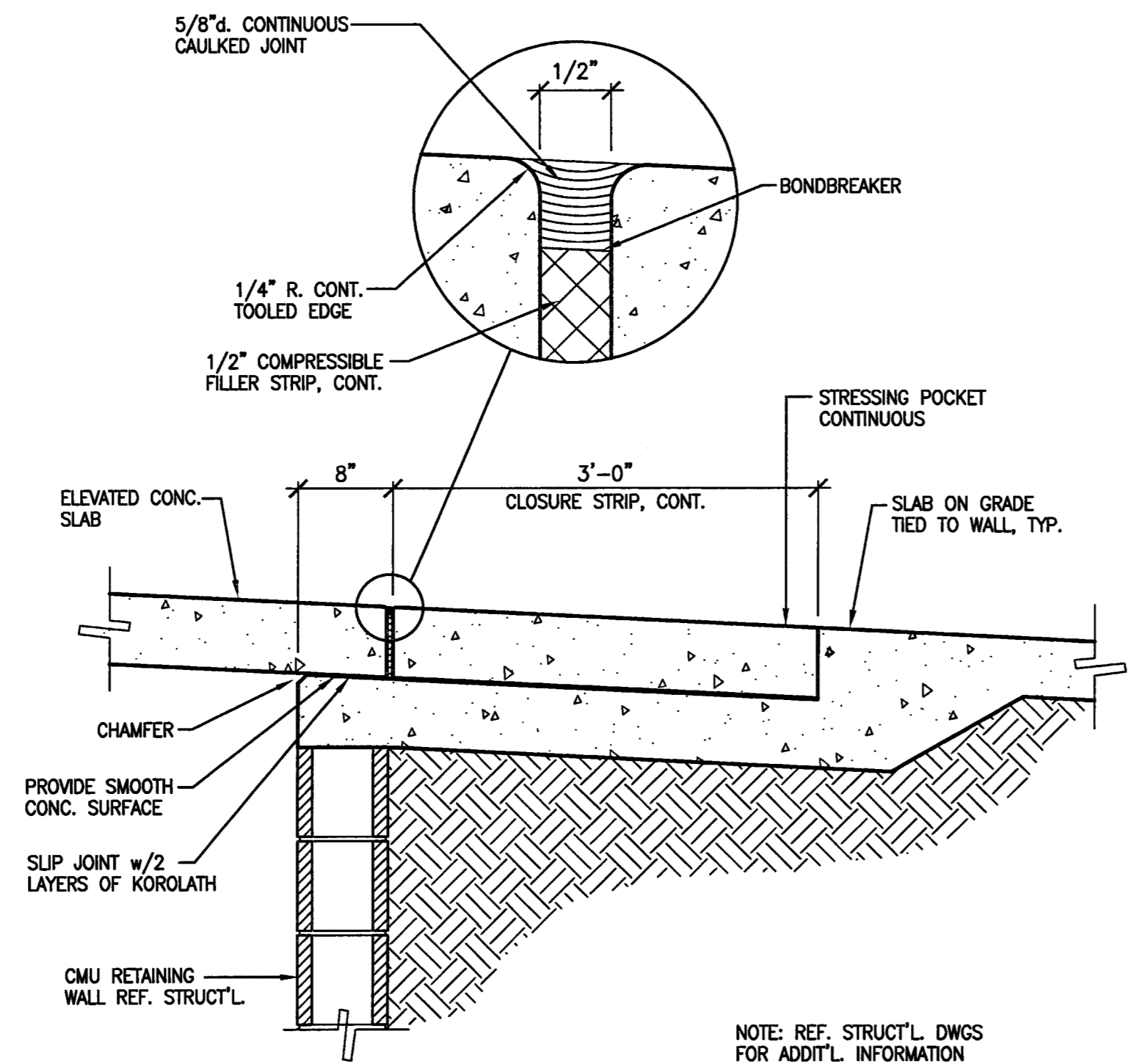
- NOTES:
1. GALVANIZE COMPLETE ASSEMBLY AFTER FABRICATION.
 2. LOCATE INSERTS TO MISS COLUMN BARS.
 3. THE BARRIER CABLES SHALL NOT DEFLECT TO ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH THE RAIL.



1 TYPICAL RAMP BARRIER CABLE DETAIL
 SCALE: 1" = 1'-0"



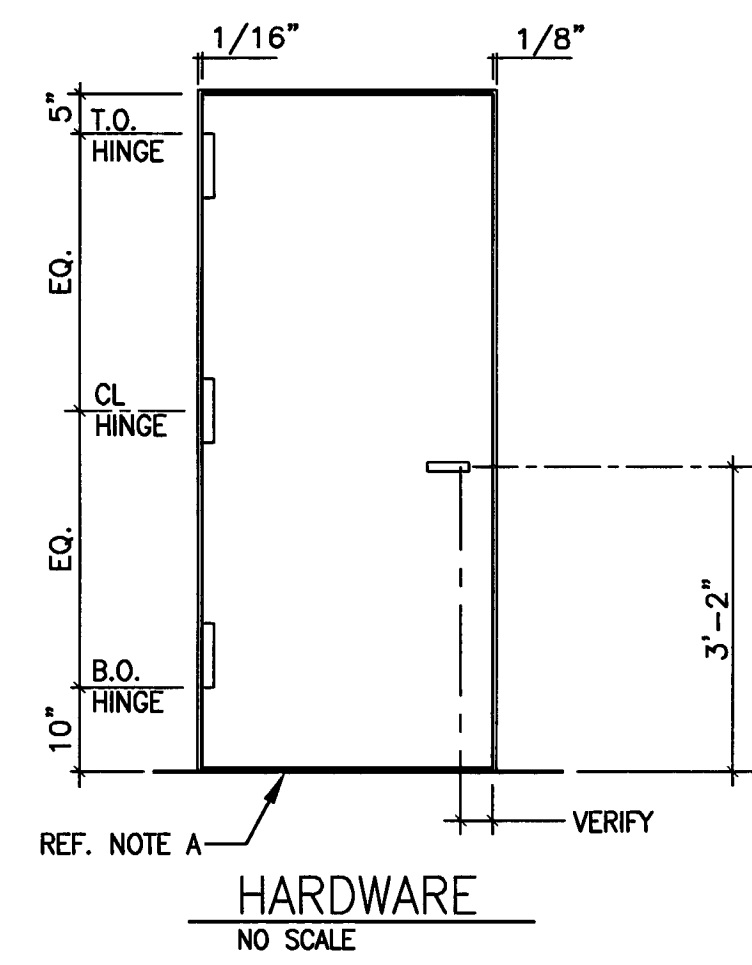
3 CLOSURE STRIP DETAIL
 SCALE: 1" = 1'-0"



2 SEPARATION JOINT w/
 POUR STRIP DETAIL
 SCALE: 1" = 1'-0"

NOTE: REF. STRUCT'L DWGS FOR ADDIT'L INFORMATION

NOTES:
 A. BOTTOM CLEARANCE- 1/2" TO FIN. FLR.
 B. ALL HARDWARE LOCATIONS TO CONFORM TO 1990 ADA AND CSC CHAPTER 11
 C. PROVIDE 1/8" CLEARANCE BETWEEN EACH DOOR IN PAIR ARRANGEMENT

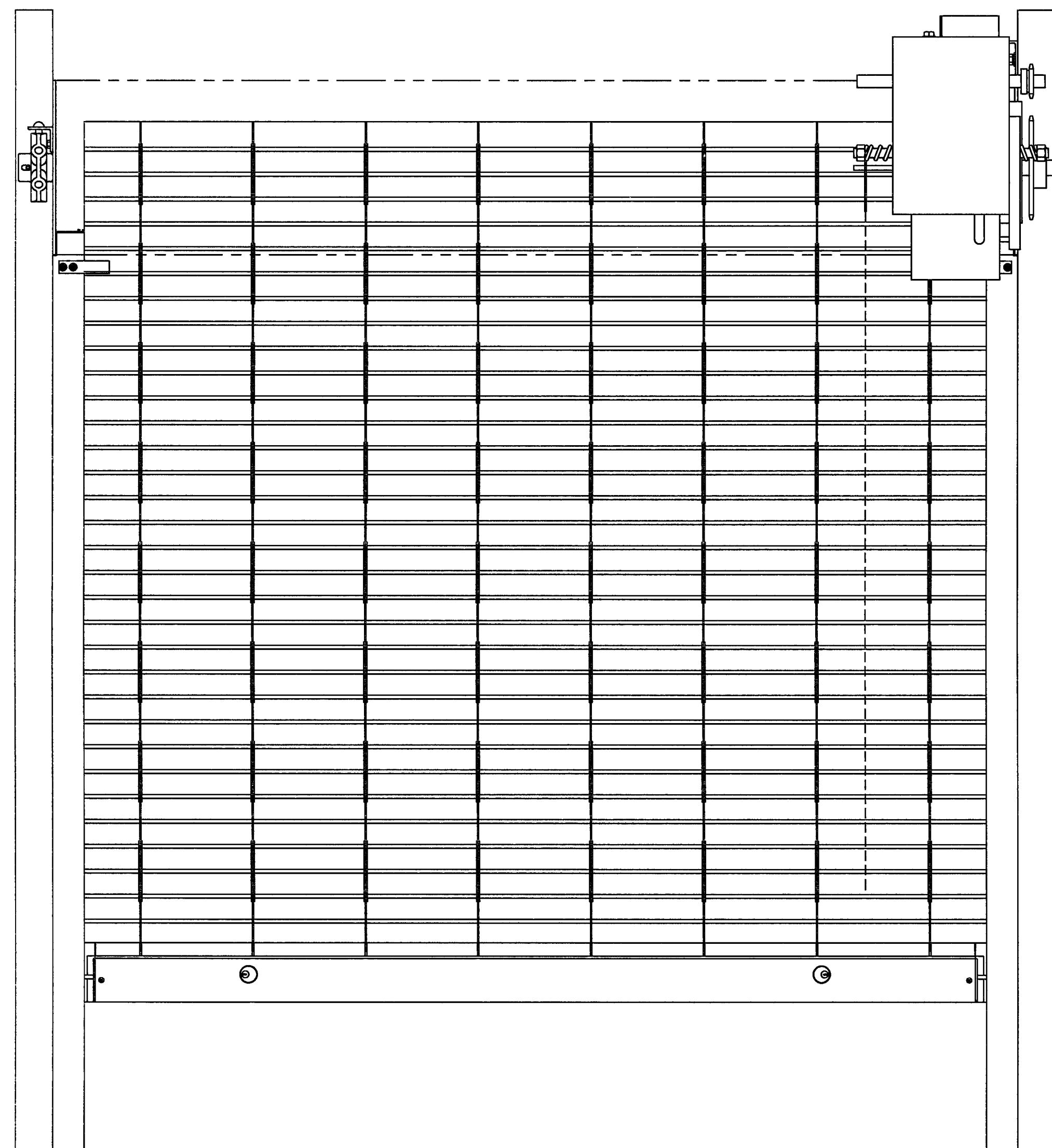


7 DOOR HARDWARE MOUNTING
 A-8.5 SCALE: 1/2" = 1'-0"

LEVEL	LOCATION	DOOR NO.	TYPE	DOOR			FRAME			LOUVER	CLOSER	FIRE RATING HRS.	SILL DET.	HARDWARE TYPE	WALL TYPE	REMARKS
				MAT'L	DOOR SIZE	THICK.	MAT'L	DETAIL	JAMB							
P-1	STORAGE ROOM	PS-1	B	H.M.	PAIR 3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 HOUR		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	STORAGE ROOM	PS-2	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 HOUR		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	ELECTRICAL ROOM	PS-3	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	YES	YES	NONE		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	EXIT CORRIDOR	PS-4	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	YES	YES	1 1/2 HOURS		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	COMMERICAL SPACE	PS-5	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 1/2 HOURS		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	COMMERICAL SPACE	PS-6	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 1/2 HOURS		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	COMMERICAL SPACE	PS-7	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 1/2 HOURS		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-1	COMMERICAL SPACE	PS-8	B	H.M.	3'-0" X 7'-0"	1 3/4"	H.M.	2/A-8.5	3/A-8.5	NO	YES	1 1/2 HOURS		LEVER*	8" CMU	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-6	ELEV. CONTR. ROOM	PS-9	B	H.M.	3'-6" X 7'-0"	1 3/4"	H.M.	-	-	YES	YES	NONE		LEVER*	STUD	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL
P-6	ELEV. CONTR. ROOM	PS-10	B	H.M.	3'-6" X 7'-0"	1 3/4"	H.M.	-	-	YES	YES	NONE		LEVER*	STUD	DOOR AND FRAME SHALL BE MINIMUM 16 GAUGE STEEL

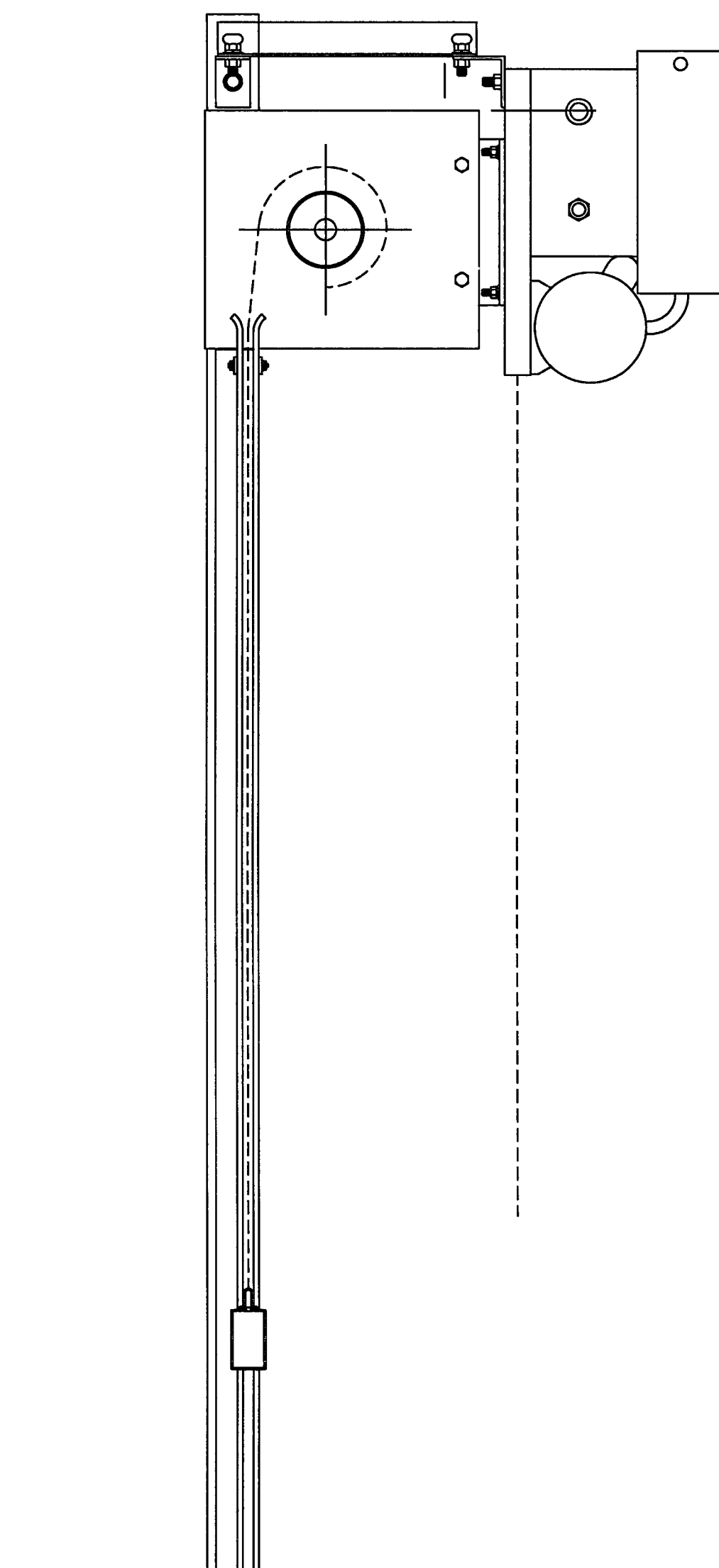
*HARDWARE TO BE CITY OF STOCKTON POLICE DEPARTMENT APPROVED MORTISE DEADBOLT LOCK

6 DOOR SCHEDULE
 A-8.5 SCALE: NO SCALE

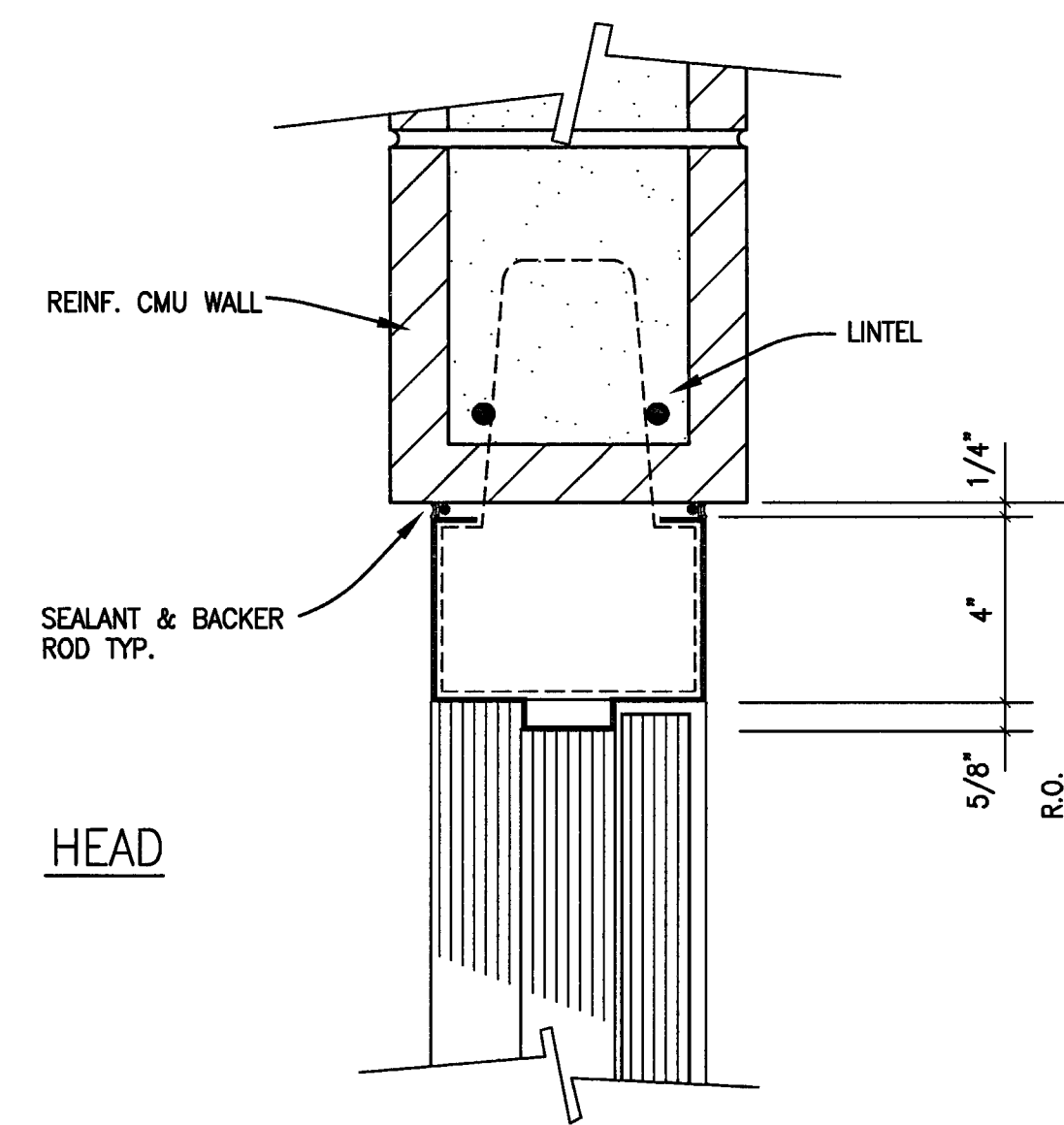


ELEVATION - COIL SIDE

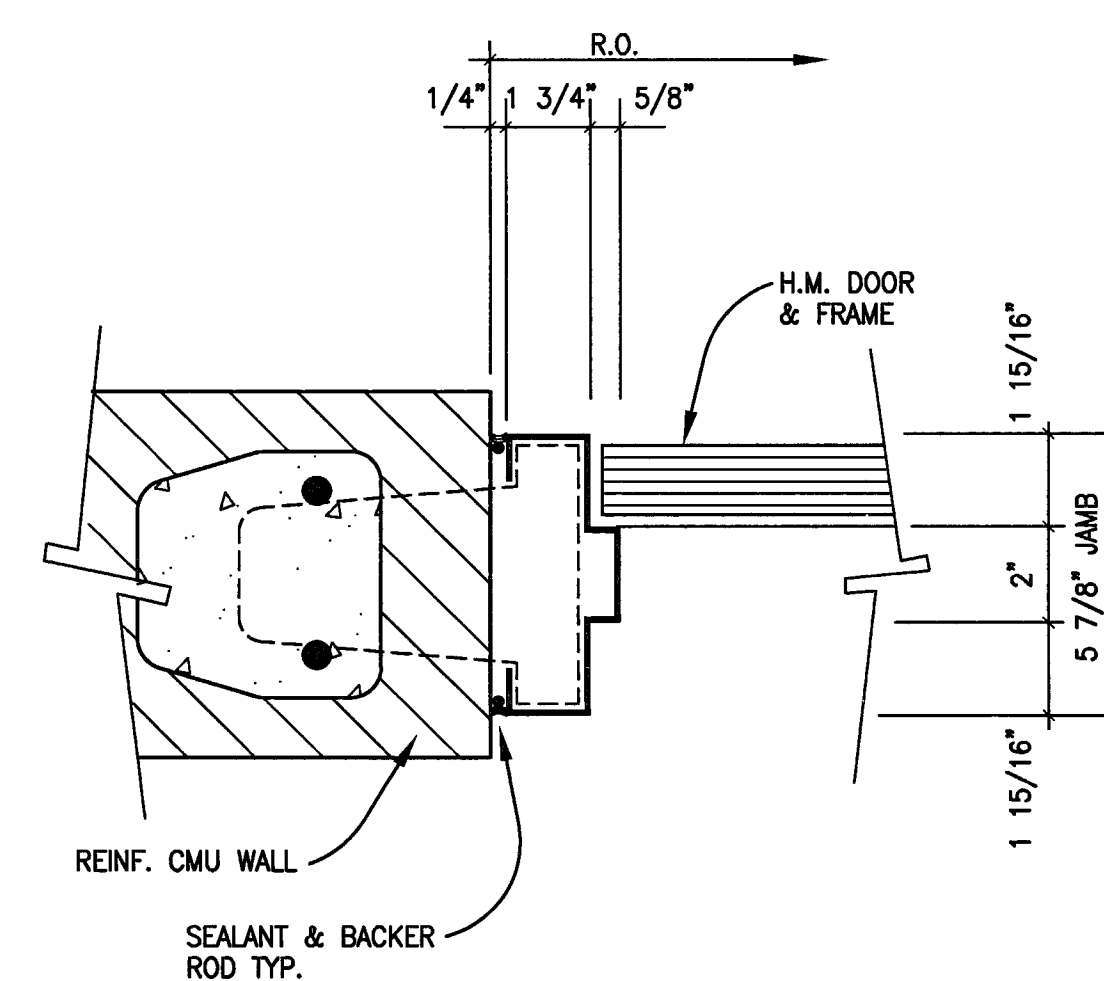
5 ROLL DOWN VEHICULAR GRILLE
 A-8.5 SCALE: NO SCALE



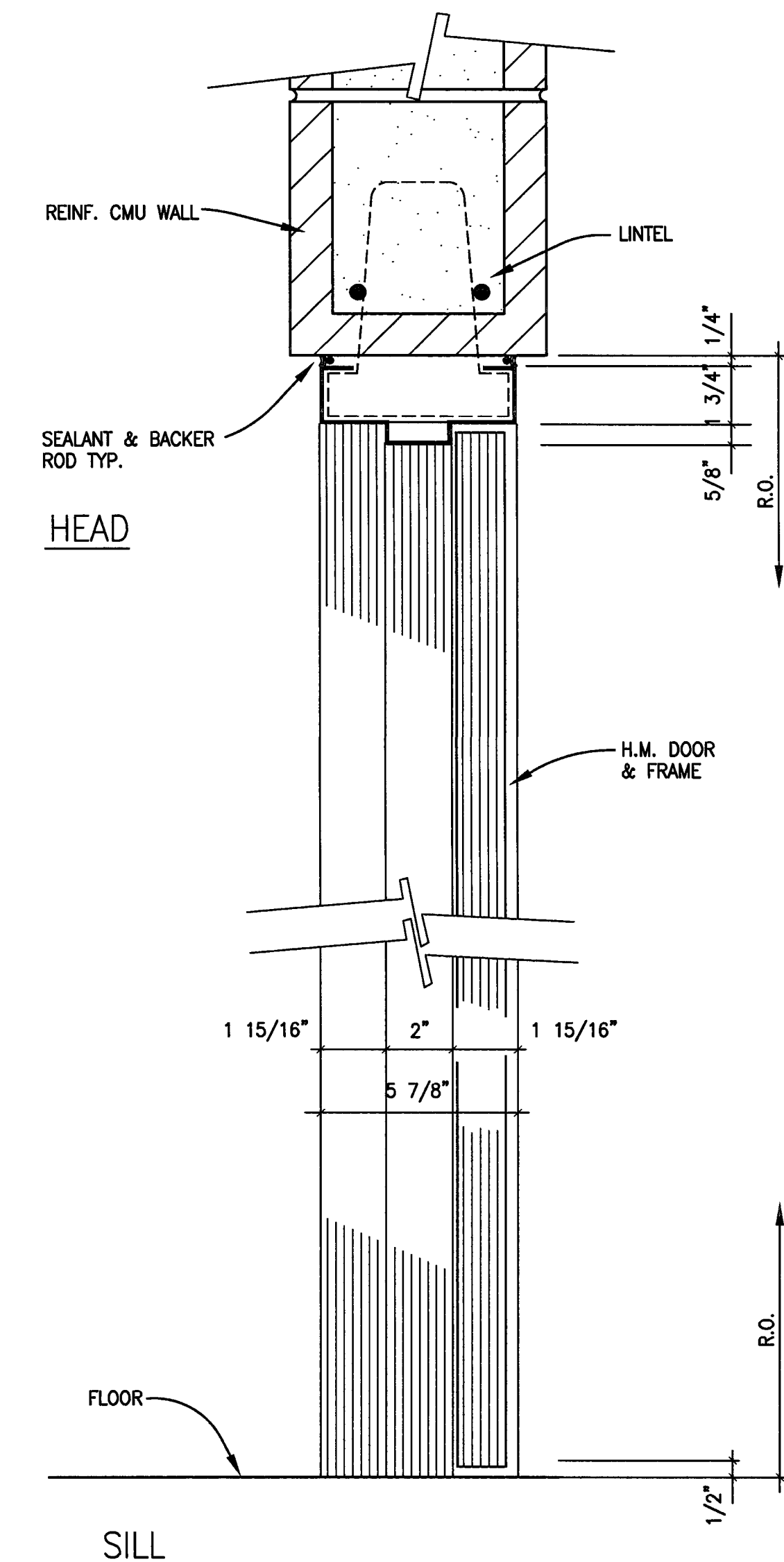
SECTION



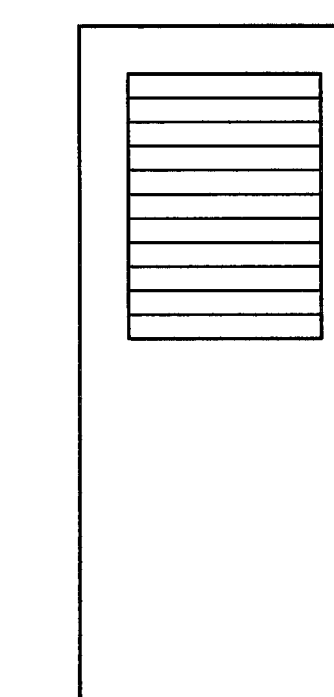
4 ALTERNATE DOOR HEAD
 A-8.5 SCALE: 3" = 1'-0"



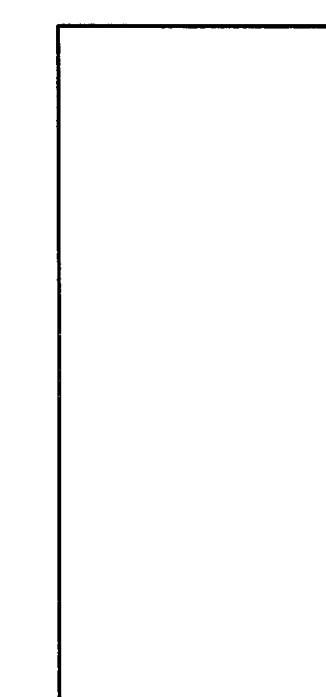
3 H.M. DOOR JAMB
 A-8.5 SCALE: 3" = 1'-0"



2 H.M. DOOR DETAILS
 A-8.5 SCALE: 3" = 1'-0"



B SINGLE HALF LOUVER DOOR



A SINGLE FLUSH METAL DOOR

1 DOOR TYPES
 A-8.5 SCALE: 1/2" = 1'-0"

CITY OF STOCKTON
 EDMUND S. 'ED' COY
 PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:

City of Stockton

DESIGN BUILDER:

F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:

Project - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310. 544. 8670

Design Architect
 Wernell Matthews Bowe
 248 E. Main Street
 Stockton, California 95202
 209. 944. 9110

Structural Engineer
 Janssen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 5345

Civil Engineer
 Bleddford Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

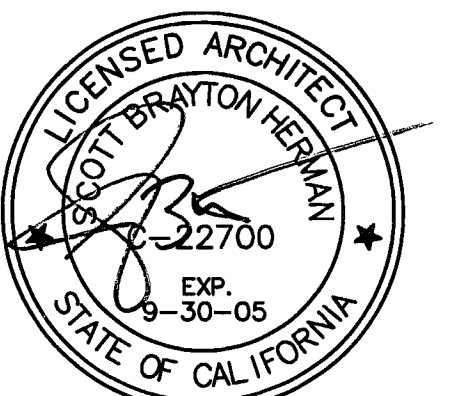
Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:
 11/29/04 PLANCHCK SET
 3/11/05 PERMIT SET



SHEET TITLE
 DOOR DETAILS
 AND
 DOOR SCHEDULE

DATE: 29. NOV. 2004 SCALE: AS NOTED
 DRAWN BY: SBH CHECKED BY: SBH
 DRAWING NO.: 2319A-8-5 SHEET:
 PROGRAM NO.: R-NO.

DRAWING NO.:
 A-8.5

PROJECT NO.:
 HNA 2319

CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
208.931.3738

CONSULTANTS:
Architect - Planning Consultant
HNA / Pacific
61 Sea Breeze Avenue
Rancho Palms Verdes, California 90275
310.544.8670
Design Architect
Wentz Mattheis Bove
246 E. Main Street
Stockton, California 95202
208.944.9110
Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Chico, California 95926
530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
208.943.2021

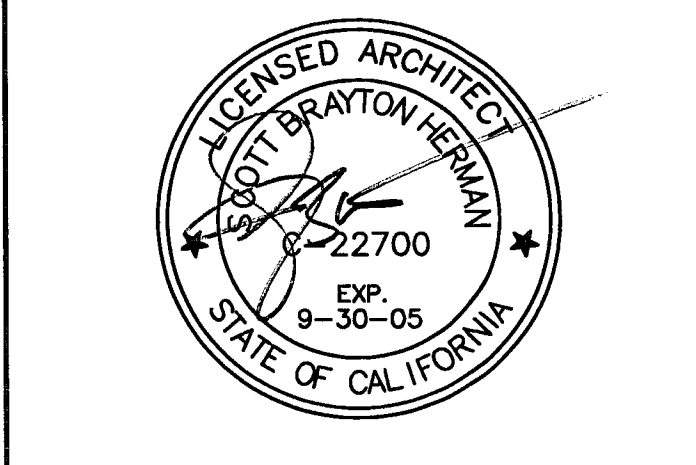
Plumbing Designer - Design/Builder
FRM Plumbing
3650 Wilcox Road
Stockton, California 95215
208.931.9650

Electrical Designer - Design/Builder
Colinas Electrical
611 W. Fremont Street
Stockton, California 95203
208.466.3691

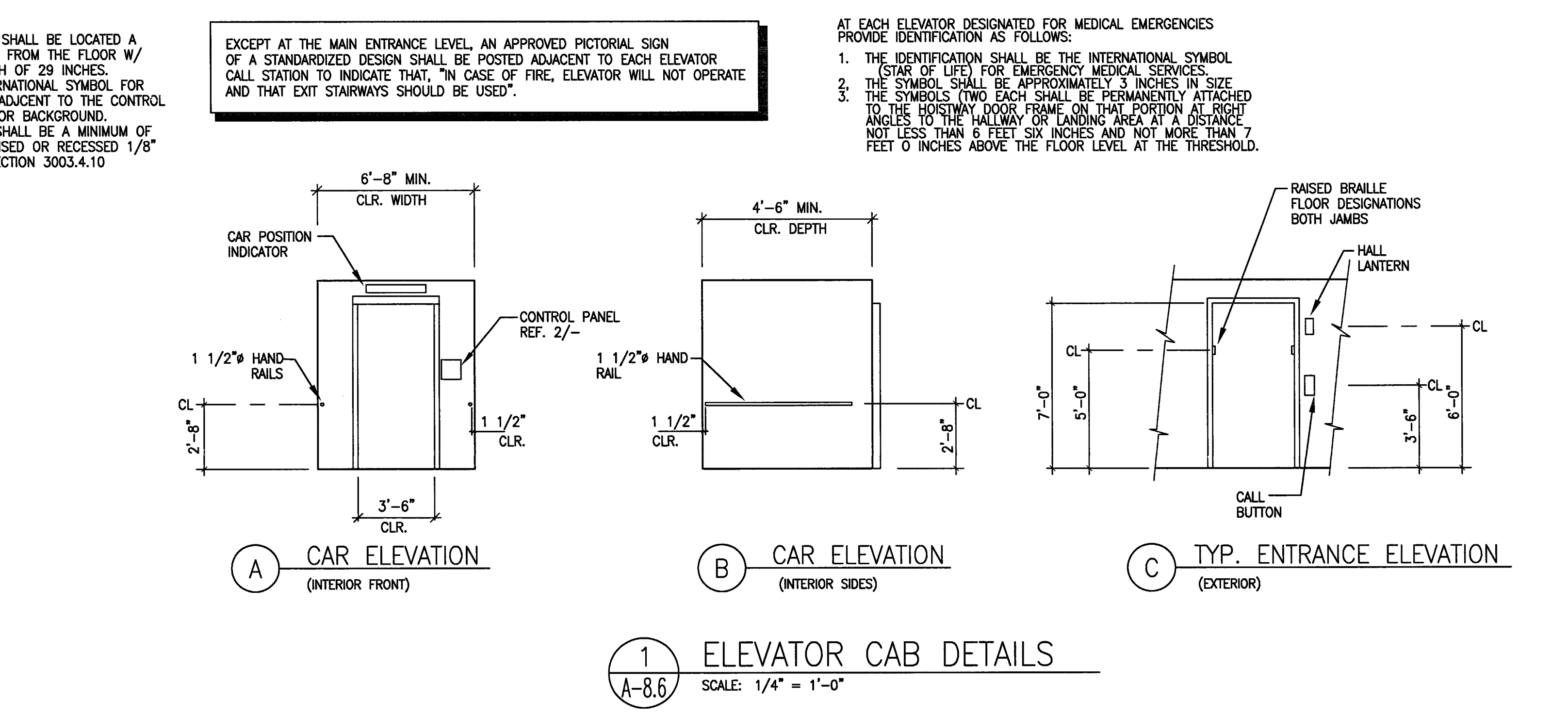
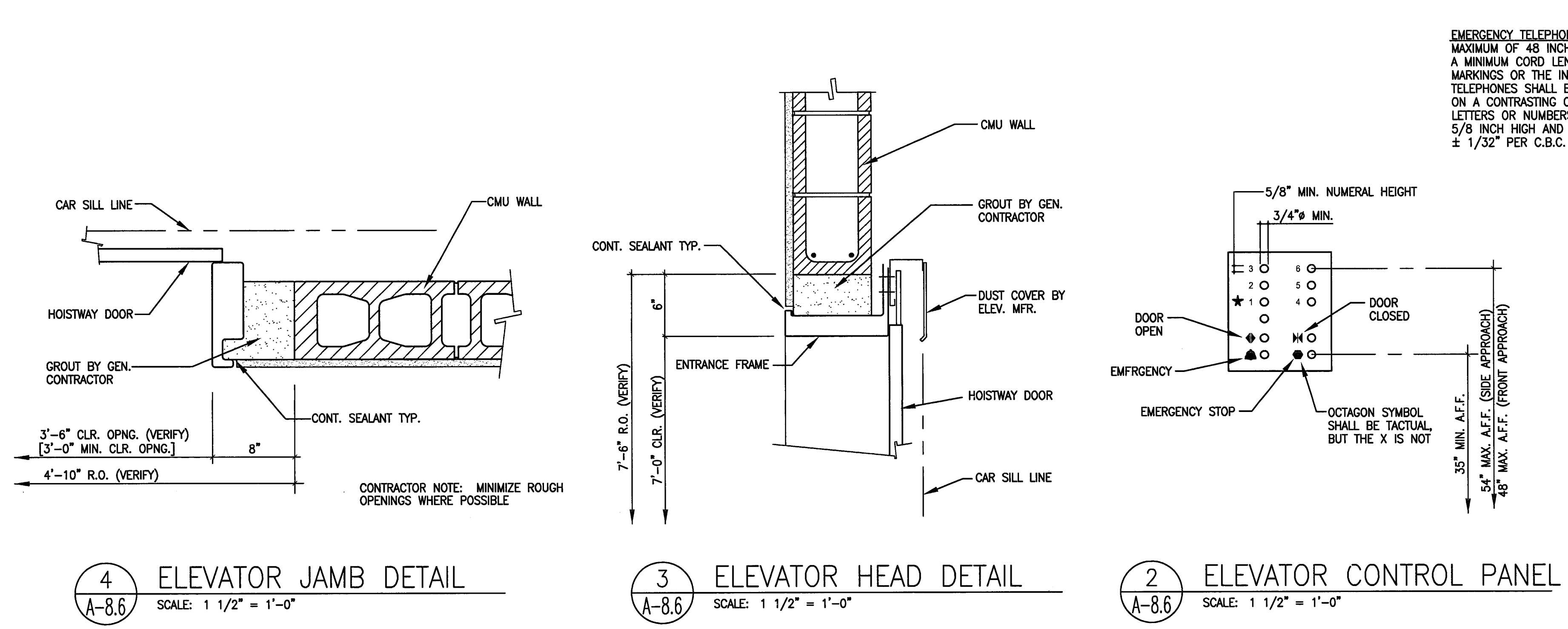
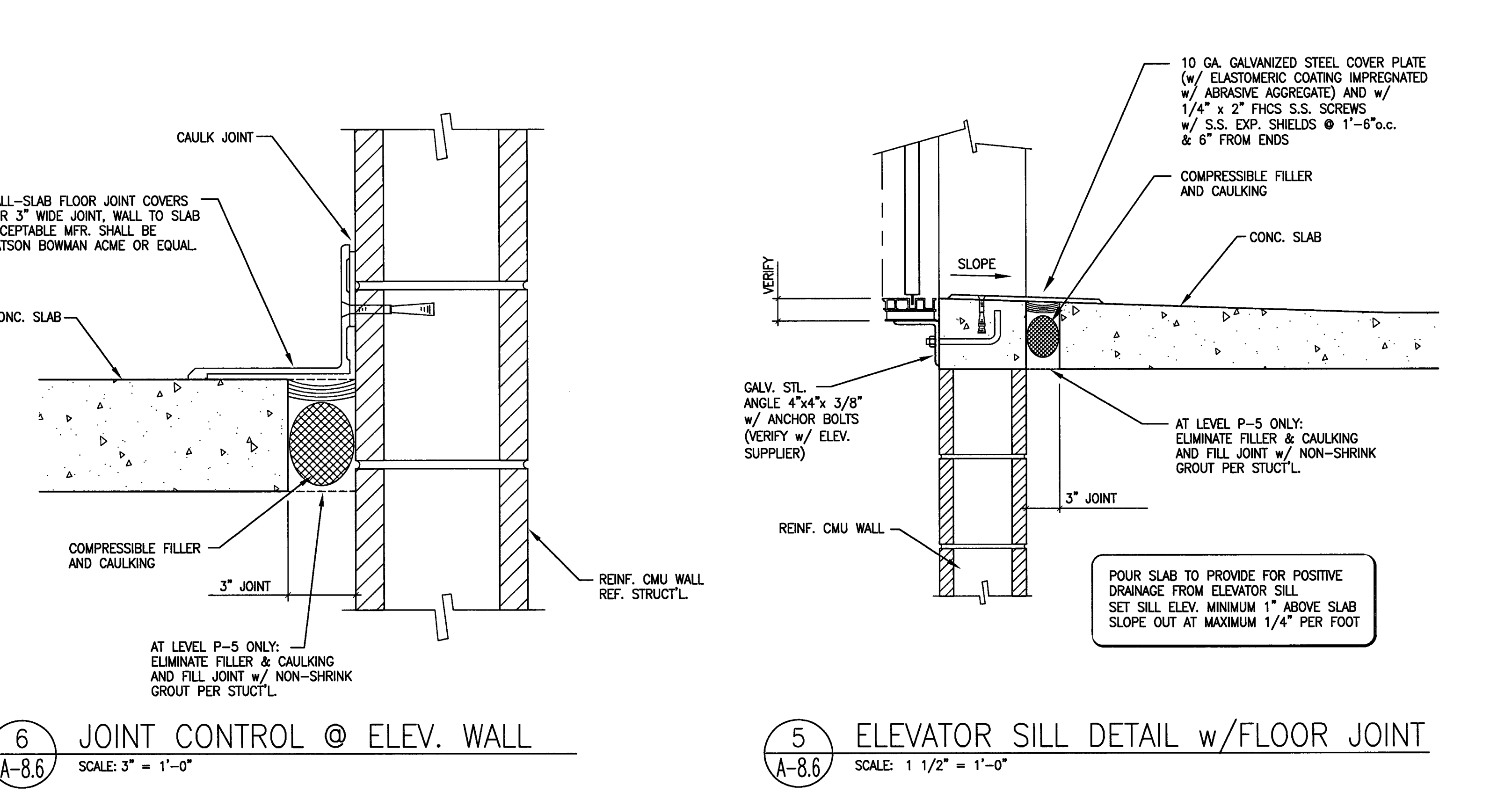
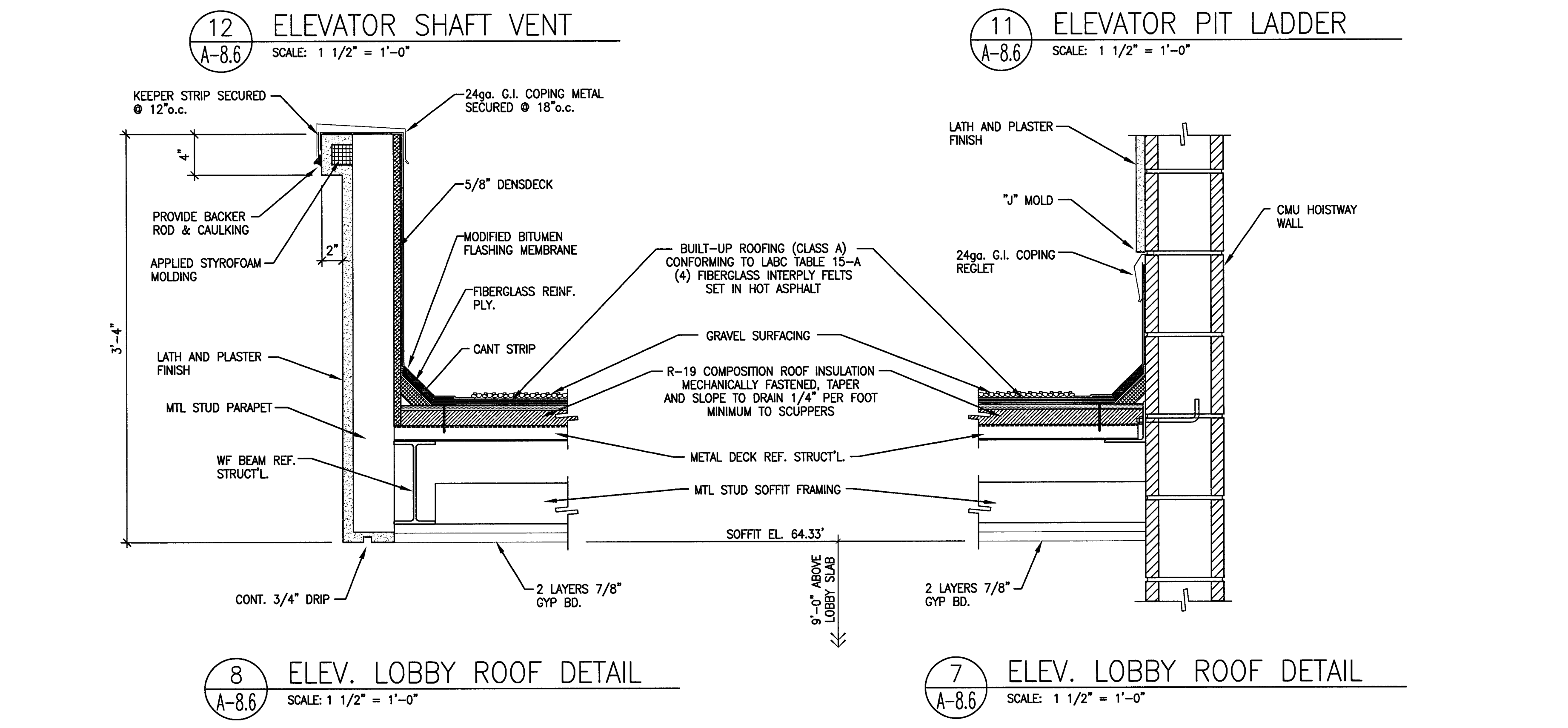
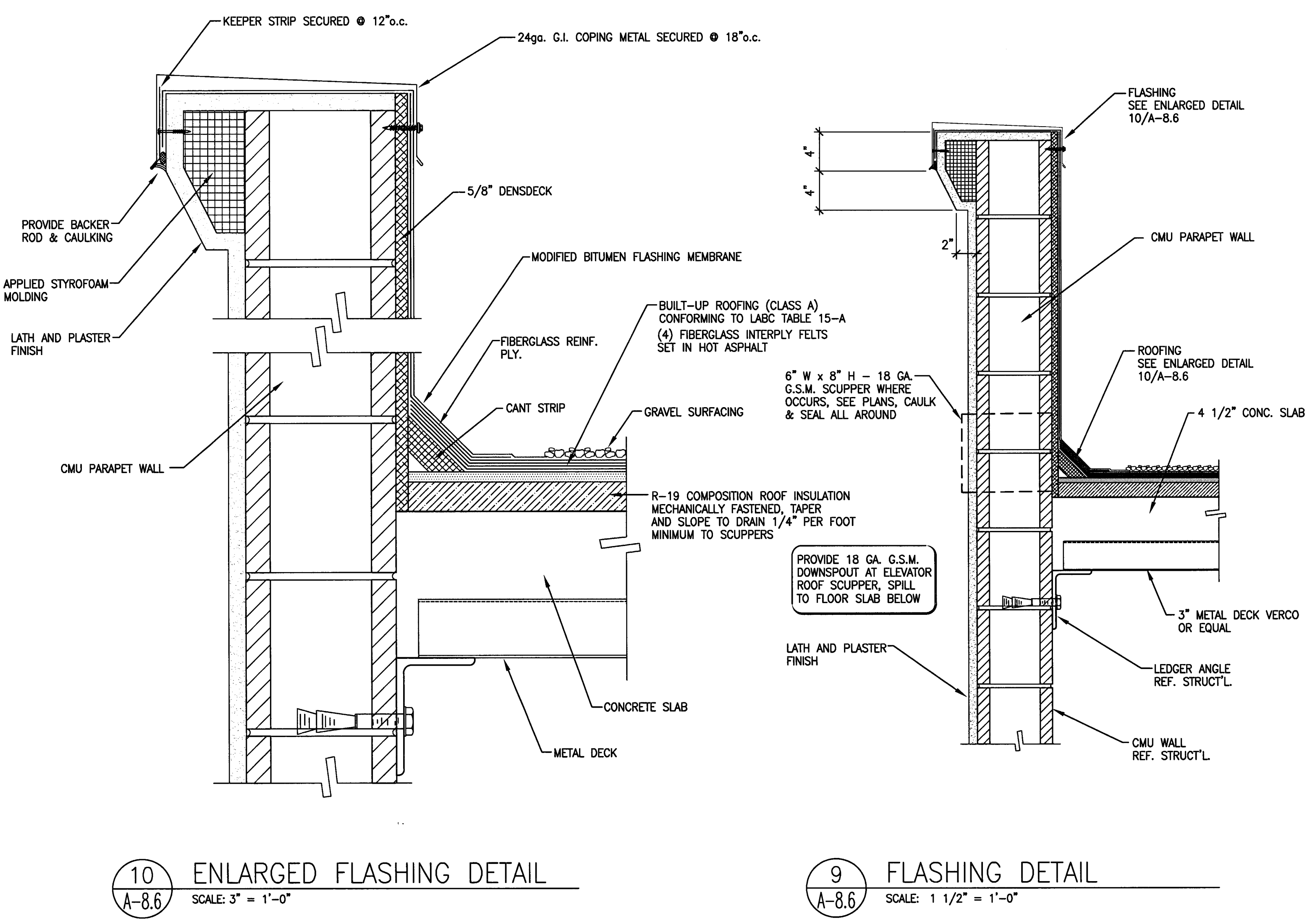
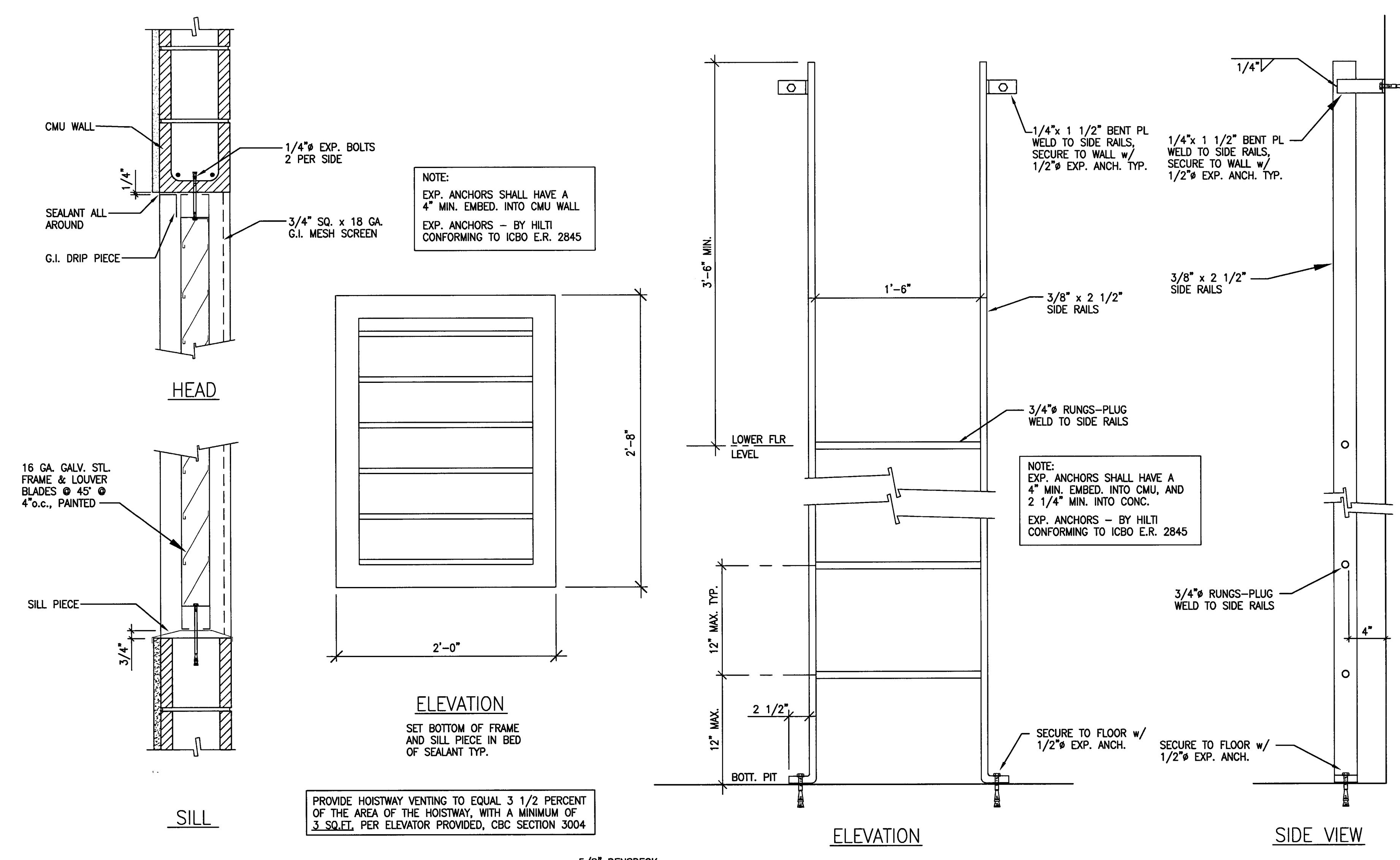
Mechanical Designer - Design/Builder
Comfort Air
1607 Turlock Road
Stockton, California 95201
208.466.4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE	
TYPICAL ELEVATOR DETAILS	
DATE 28, NOV. 2004	SCALE 1 1/2" = 1'-0"
DRAWN BY ACL/SBH	CHECKED BY SBH
DRAWING NO. 2319A-8-6	SHEET
PROGRAM NO.	R-NO.
DRAWING NO: A-8.6	
PROJECT NO: HNA 2319	



EMERGENCY TELEPHONE SHALL BE LOCATED A MAXIMUM OF 48 INCHES FROM THE FLOOR W/ A MINIMUM CORD LENGTH OF 29 INCHES. MARKINGS OR THE INTERNATIONAL SYMBOL FOR TELEPHONES SHALL BE ADJACENT TO THE CONTROL ON A CONTRASTING COLOR BACKGROUND. LETTERS OR NUMBERS SHALL BE A MINIMUM OF 5/8" INCH HIGH AND RAISED OR RECESSED 1/8" ± 1/32" PER C.B.C. SECTION 3003.4.10

EXCEPT AT THE MAIN ENTRANCE LEVEL, AN APPROVED PICTORIAL SIGN OF A STANDARDIZED DESIGN SHALL BE POSTED ADJACENT TO EACH ELEVATOR CALL STATION TO INDICATE THAT, "IN CASE OF FIRE, ELEVATOR WILL NOT OPERATE AND THAT EXIT STAIRWAYS SHOULD BE USED".

- AT EACH ELEVATOR DESIGNATED FOR MEDICAL EMERGENCIES PROVIDE IDENTIFICATION AS FOLLOWS:
1. THE IDENTIFICATION SHALL BE THE INTERNATIONAL SYMBOL (STAR OF LIFE) FOR EMERGENCY MEDICAL SERVICES.
 2. THE SYMBOL SHALL BE APPROXIMATELY 3 INCHES IN SIZE.
 3. THE SYMBOLS (TWO EACH) SHALL BE PERMANENTLY ATTACHED TO THE HOISTWAY DOOR FRAME ON THAT PORTION AT RIGHT ANGLES TO THE HALLWAY OR LANDING AREA AT A DISTANCE NOT LESS THAN 6 FEET SIX INCHES AND NOT MORE THAN 7 FEET 0 INCHES ABOVE THE FLOOR LEVEL AT THE THRESHOLD.

CONTRACTOR NOTE: MINIMIZE ROUGH OPENINGS WHERE POSSIBLE

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Planning Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palms Verdes, California 90275
 310. 544. 8670

Design Architect
Warrell Matthews Bowe
 246 E. Main Street
 Stockton, California 95204
 209. 944. 9110

Structural Engineer
Jensen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
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 530. 894. 5345

Civil Engineer
Stegified Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

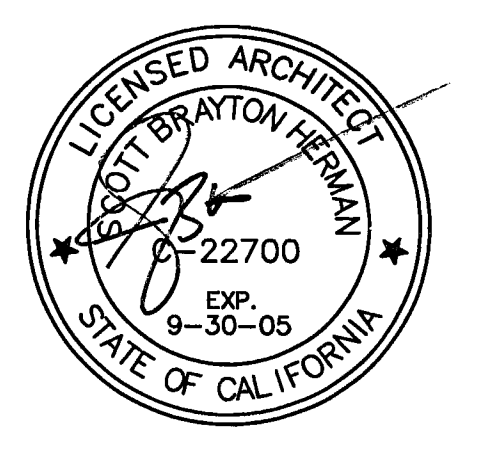
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Tumpke Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

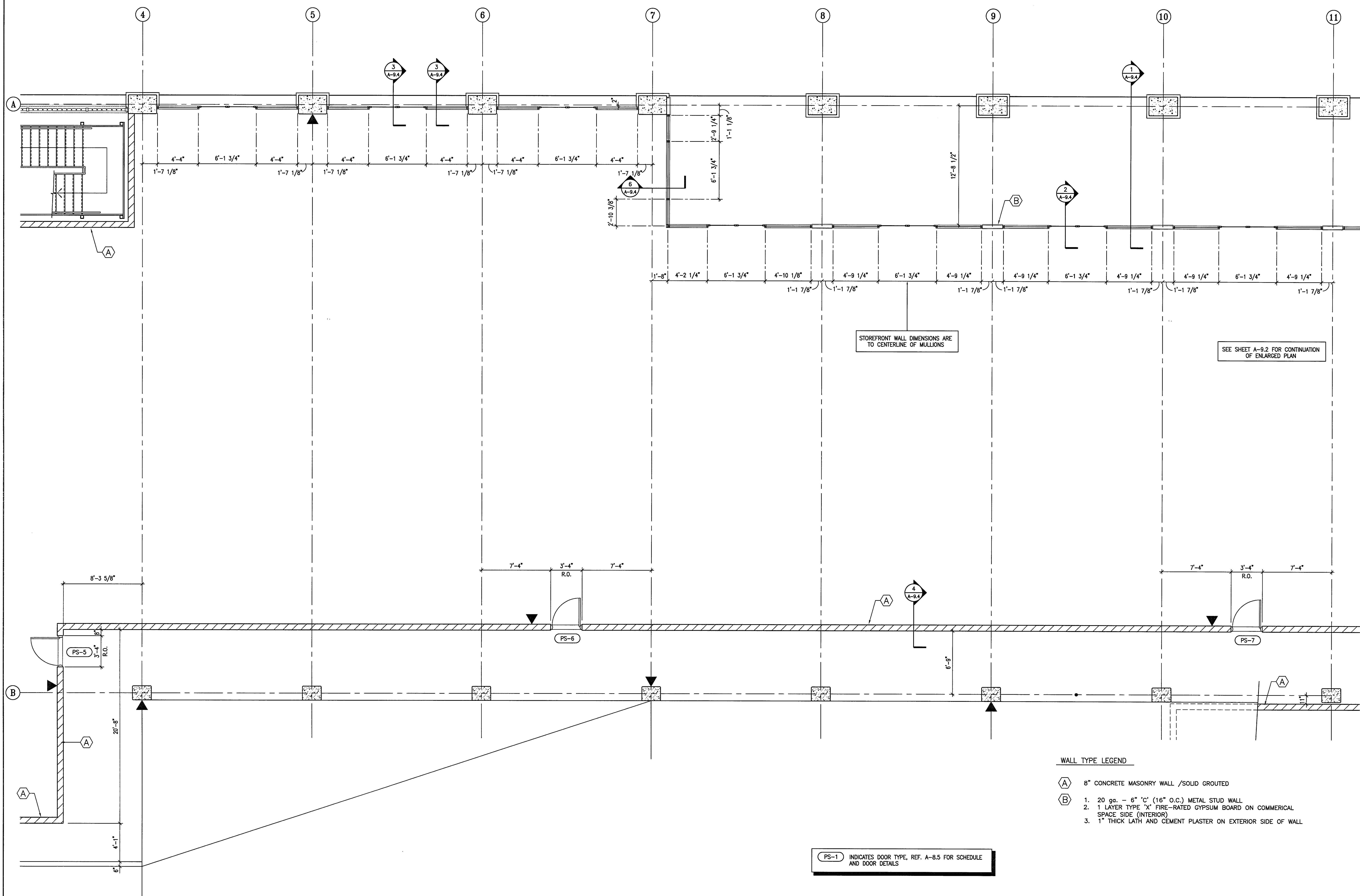
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
ENLARGED PLAN
COMMERCIAL
AREA LEVEL P-1

DATE	29, NOV. 2004	SCALE	1/4" = 1'-0"
DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-9-1	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-9.1
 PROJECT NO:
 HNA 2319



- WALL TYPE LEGEND**
- (A) 8" CONCRETE MASONRY WALL /SOLID GROUTED
 - (B) 1. 20 ga. - 6" 'C' (16" O.C.) METAL STUD WALL
 2. 1 LAYER TYPE 'X' FIRE-RATED GYPSUM BOARD ON COMMERCIAL SPACE SIDE (INTERIOR)
 3. 1" THICK LATH AND CEMENT PLASTER ON EXTERIOR SIDE OF WALL

1
A-9.1 PARTIAL P-1 LEVEL PLAN
 SCALE: 1/4" = 1'-0"

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209. 931. 3738

CONSULTANTS:
Architect - Planning Consultant
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209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

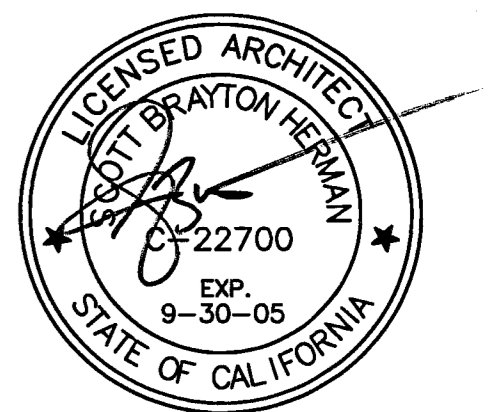
Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
1607 Turnpike Road
Stockton, California 95201
209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

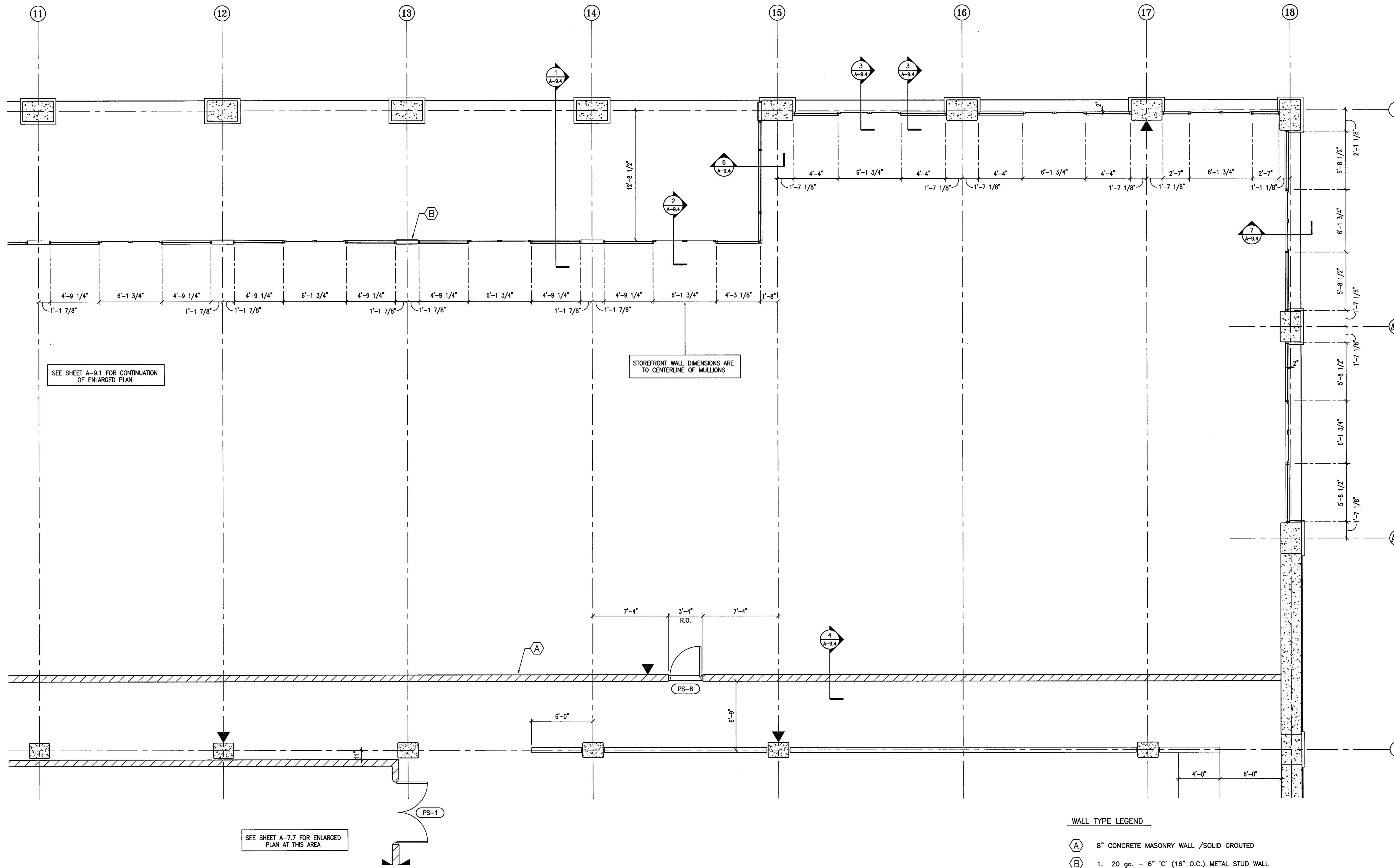
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



SHEET TITLE
ENLARGED PLAN
COMMERCIAL
AREA LEVEL P-1

DATE 29, NOV. 2004	SCALE 1/4" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-9-2	SHEET
PROGRAM NO.	R.NO.

DRAWING NO:
A-9.2
PROJECT NO:
HNA 2319



SEE SHEET A-9.1 FOR CONTINUATION OF ENLARGED PLAN

STOREFRONT WALL DIMENSIONS ARE TO CENTERLINE OF MULLIONS

SEE SHEET A-7.7 FOR ENLARGED PLAN AT THIS AREA

- WALL TYPE LEGEND**
- (A) 8" CONCRETE MASONRY WALL /SOLID GROUTED
 - (B) 1. 20 ga. - 6" 'C' (16" O.C.) METAL STUD WALL
2. 1 LAYER TYPE 'X' FIRE-RATED GYPSUM BOARD ON COMMERCIAL SPACE SIDE (INTERIOR)
3. 1" THICK LATH AND CEMENT PLASTER ON EXTERIOR SIDE OF WALL

(PS-1) INDICATES DOOR TYPE, REF. A-8.5 FOR SCHEDULE AND DOOR DETAILS

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209.931.3738

CONSULTANTS:
Architect - Planning Consultant
HNA / Pacific
61 Sea Breeze Avenue
Rancho Palos Verdes, California 90275
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Structural Engineer
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Chico, California 95926
530.894.5345

Civil Engineer
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4045 Coronado Avenue
Stockton, California 95204
209.943.2021

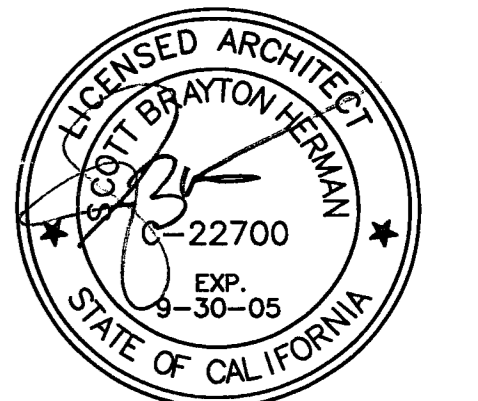
Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
1607 Turnpike Road
Stockton, California 95201
209.466.4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHECK SET
3/11/05	PERMIT SET

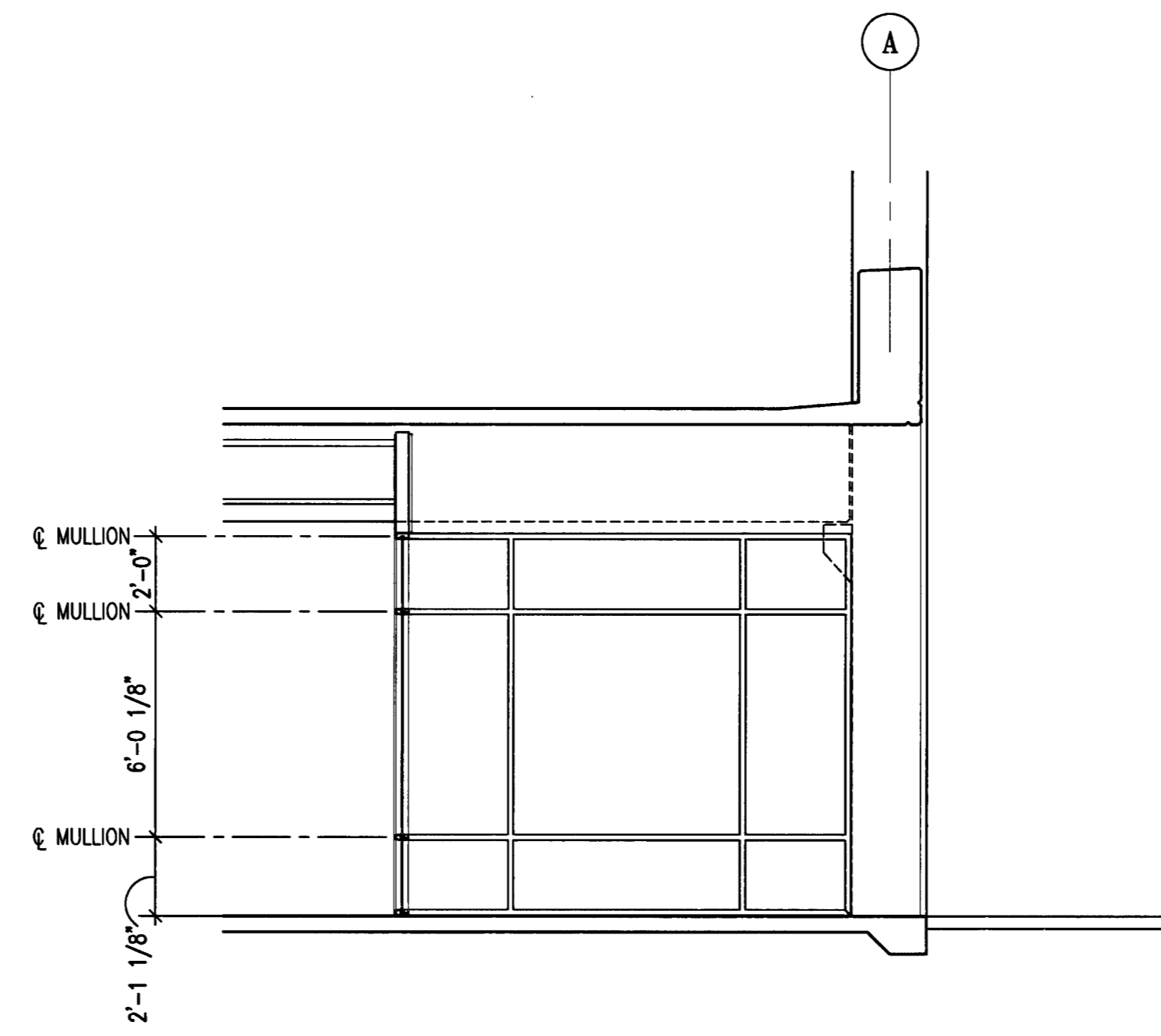


SHEET TITLE
ENLARGED COLONADE ELEVATIONS

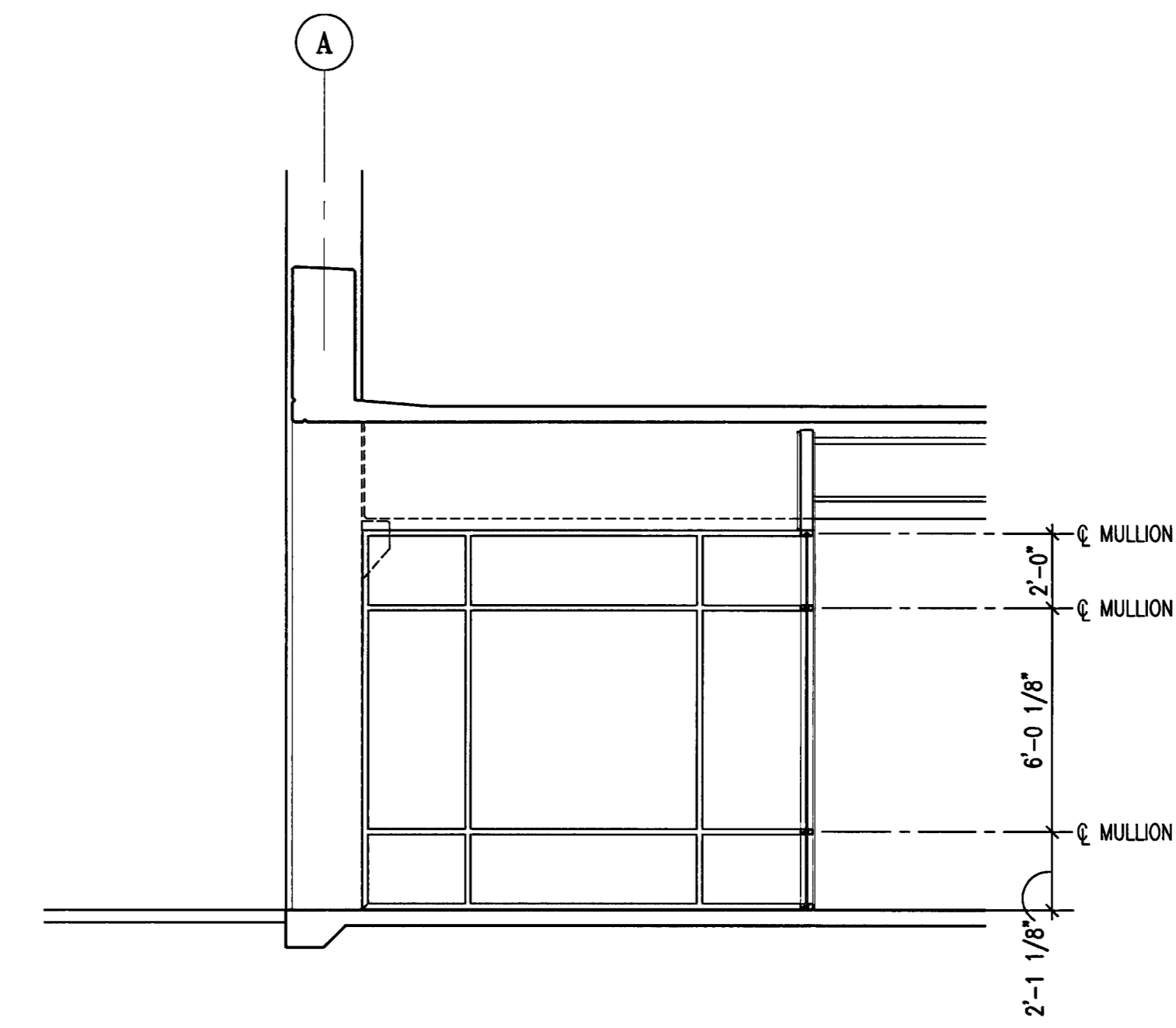
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DRAWN BY	ACL	CHECKED BY	SBH
DRAWING NO.	2319A-9-3	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-9.3

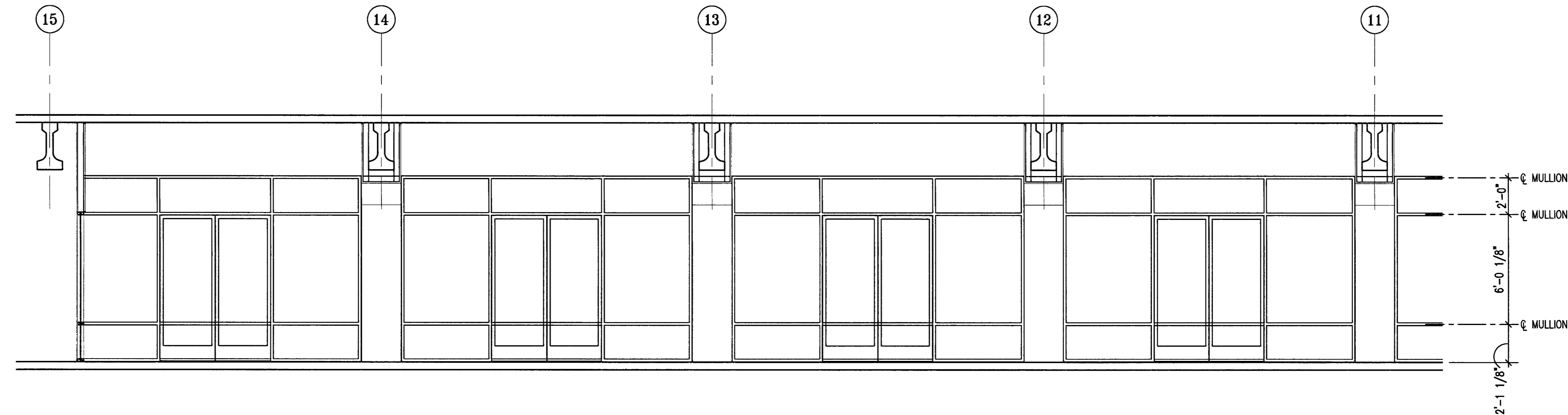
PROJECT NO:
HNA 2319



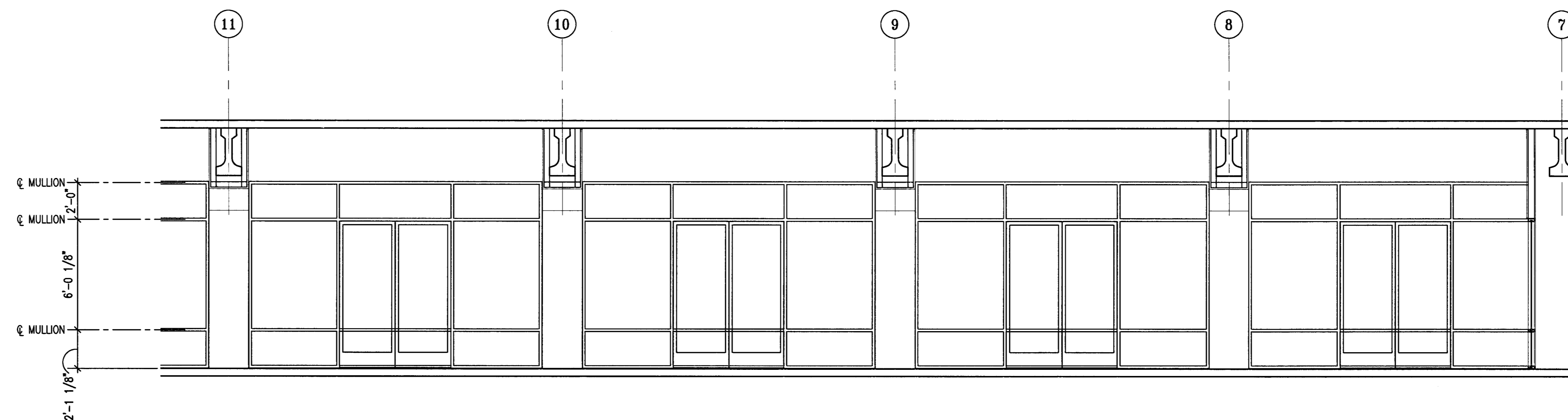
4
A-9.3
ENLARGED ELEVATION -
STOREFRONT LINE 7
SCALE: 1/4" = 1'-0"



3
A-9.3
ENLARGED ELEVATION -
STOREFRONT LINE 15
SCALE: 1/4" = 1'-0"



2
A-9.3
ENLARGED ELEVATION - STOREFRONT AT COLNADE
SCALE: 1/4" = 1'-0"



1
A-9.3
ENLARGED ELEVATION - STOREFRONT AT COLNADE
SCALE: 1/4" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:

City of Stockton

DESIGN BUILDER:

F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:

Architect - Planning Consultant
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 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310. 544. 6670

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 530. 894. 5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

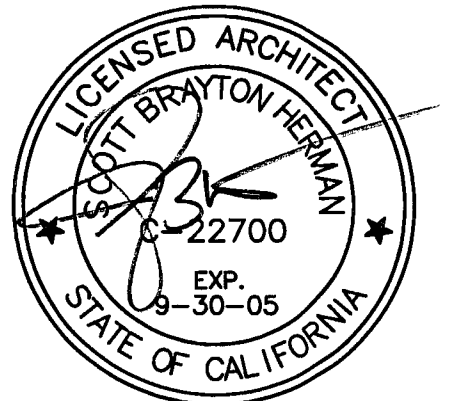
Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Tumpike Road
 Stockton, California 95201
 209. 466. 4601

CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHICK SET
3/11/05	PERMIT SET

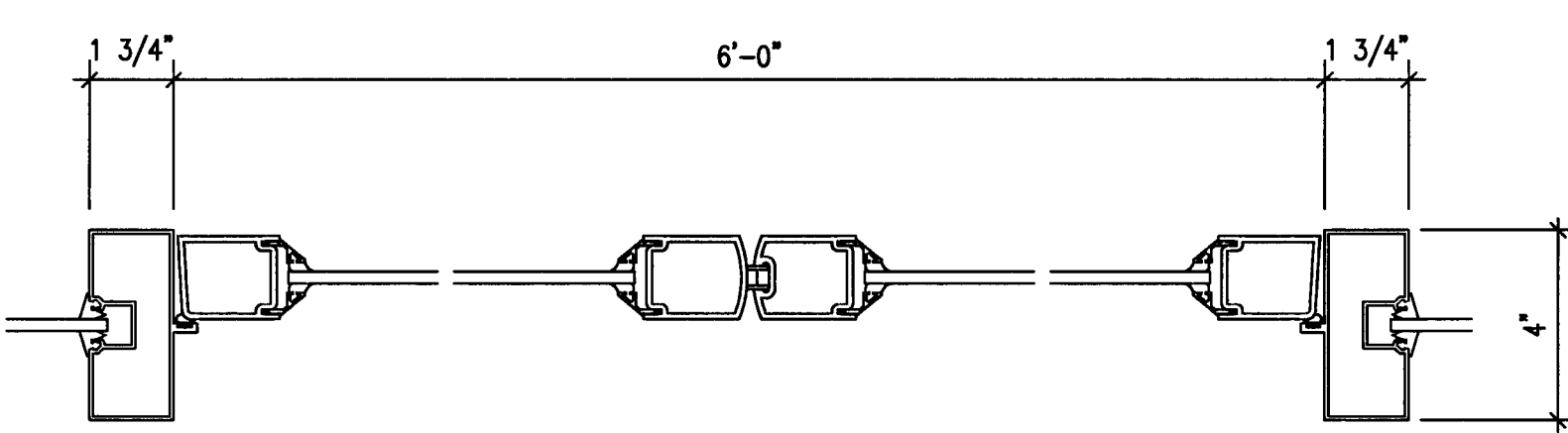


SHEET TITLE
DETAIL WALL SECTIONS

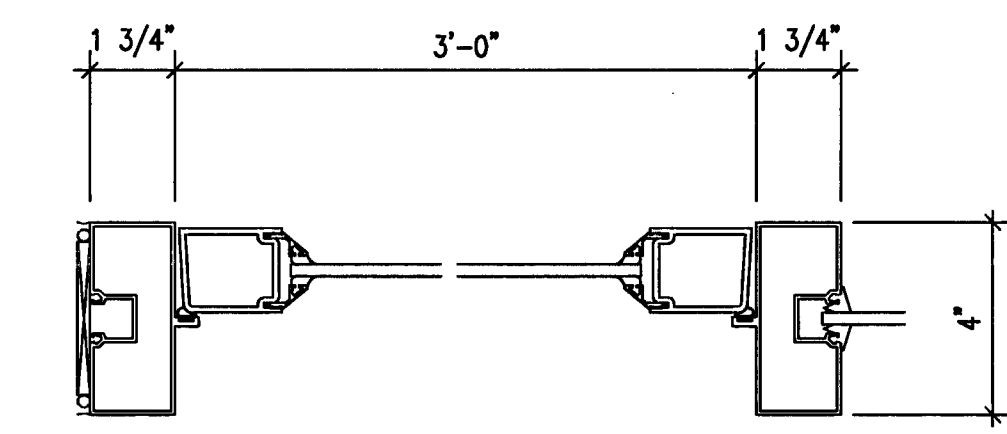
DATE	SCALE
29. NOV. 2004	1/2" = 1'-0"
DRAWN BY ACL	CHECKED BY SBH
DRAWING NO. 2319A-9-4	SHEET
PROGRAM NO.	R-NO.

DRAWING NO:
A-9-4

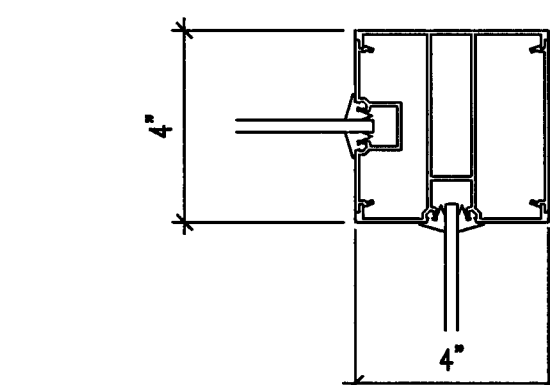
PROJECT NO:
 HNA 2319



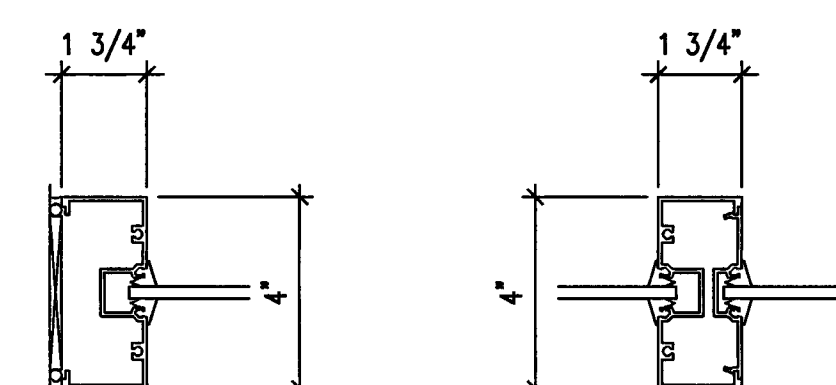
DOUBLE DOOR



SINGLE DOOR

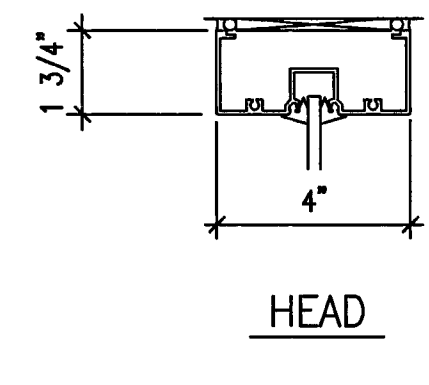


CORNER (ADJACENT) TWO POCKETS

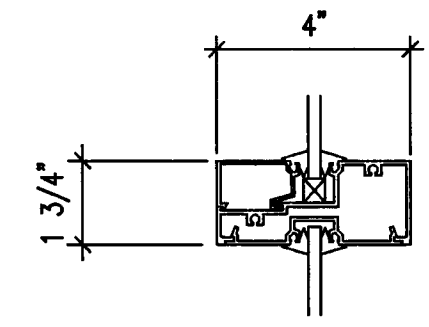


JAMB

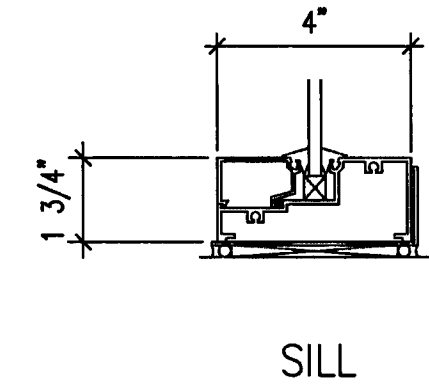
INTERMEDIATE 2-PIECE MULLION



HEAD

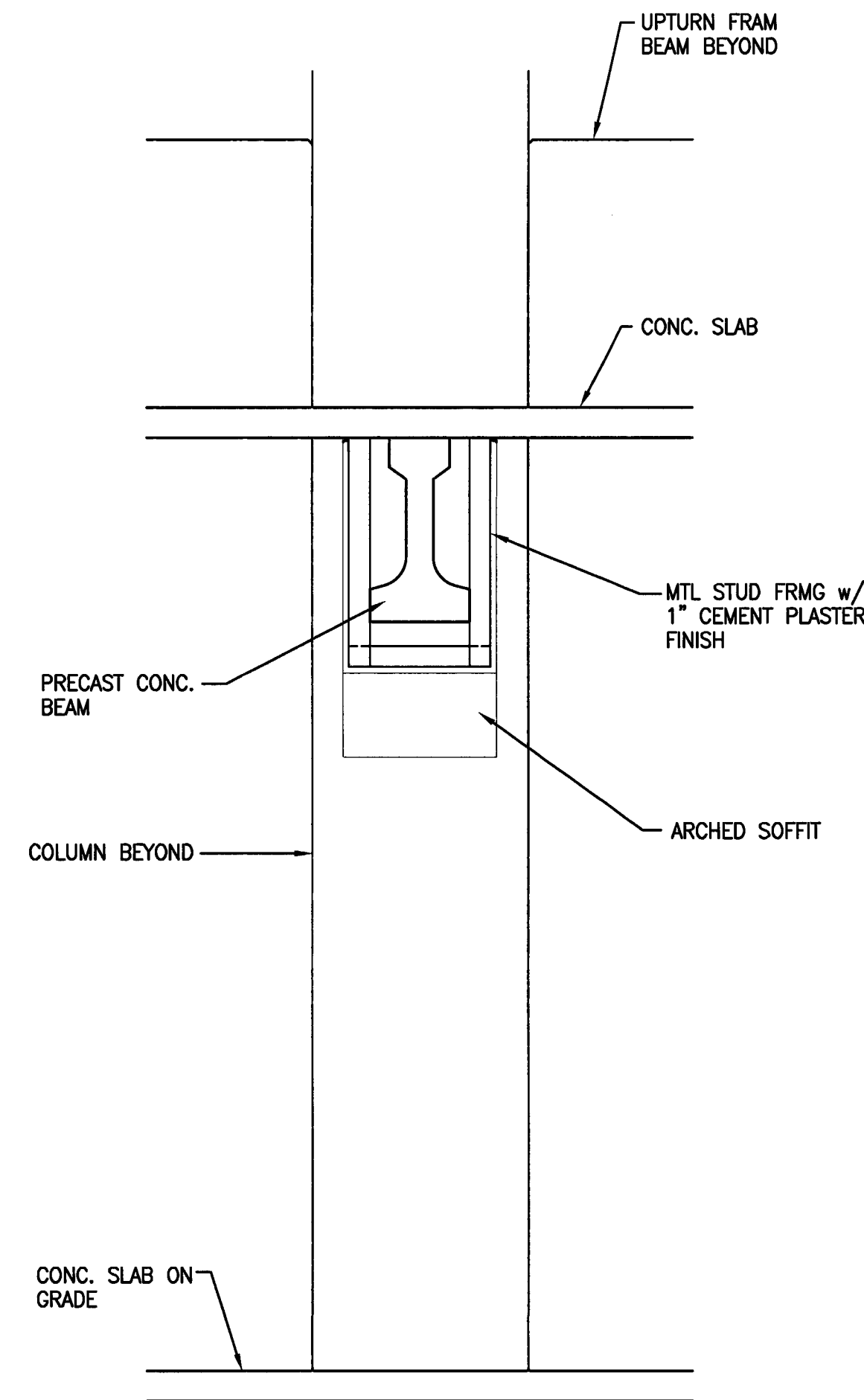


INTERMEDIATE HORIZONTAL

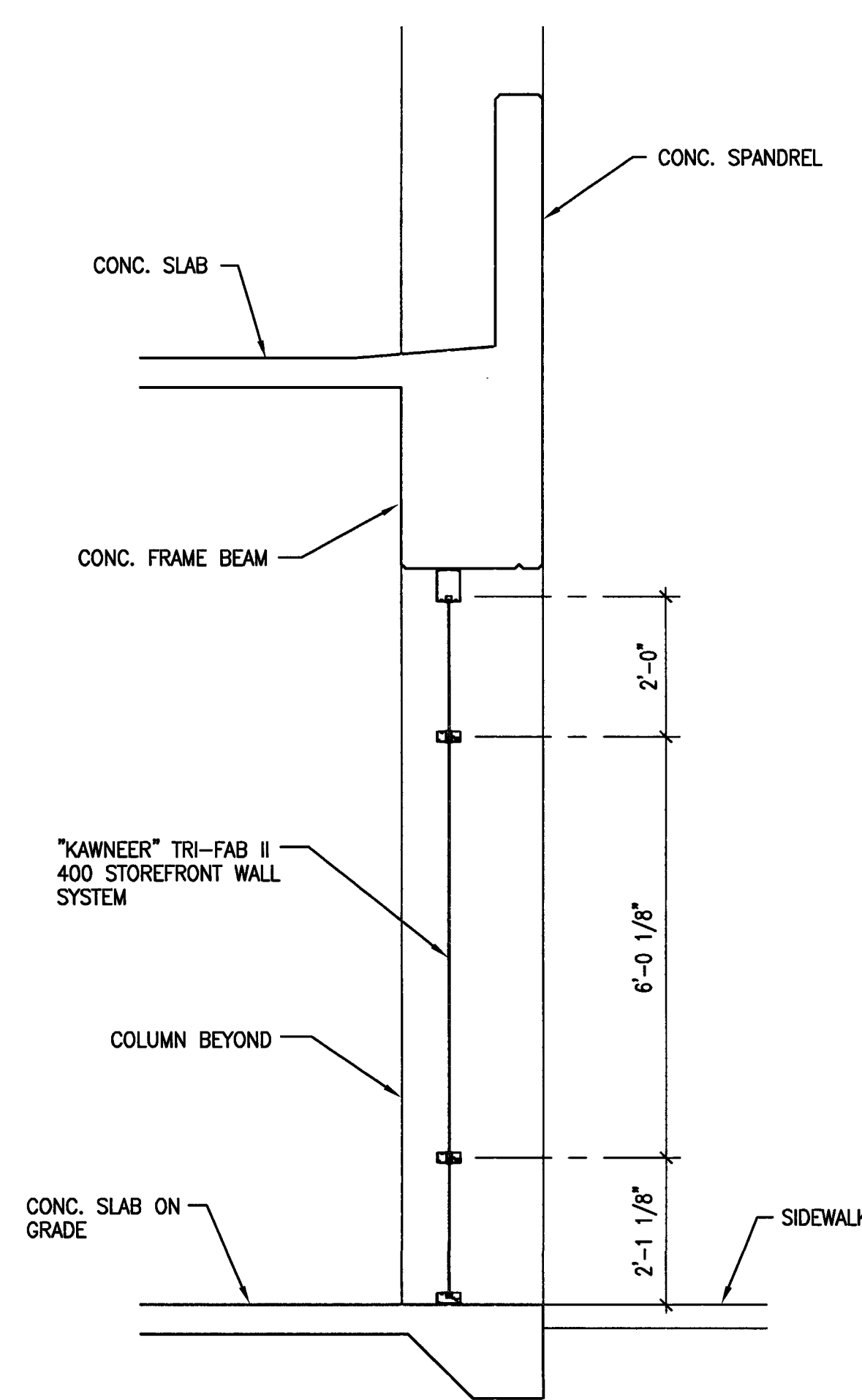


SILL

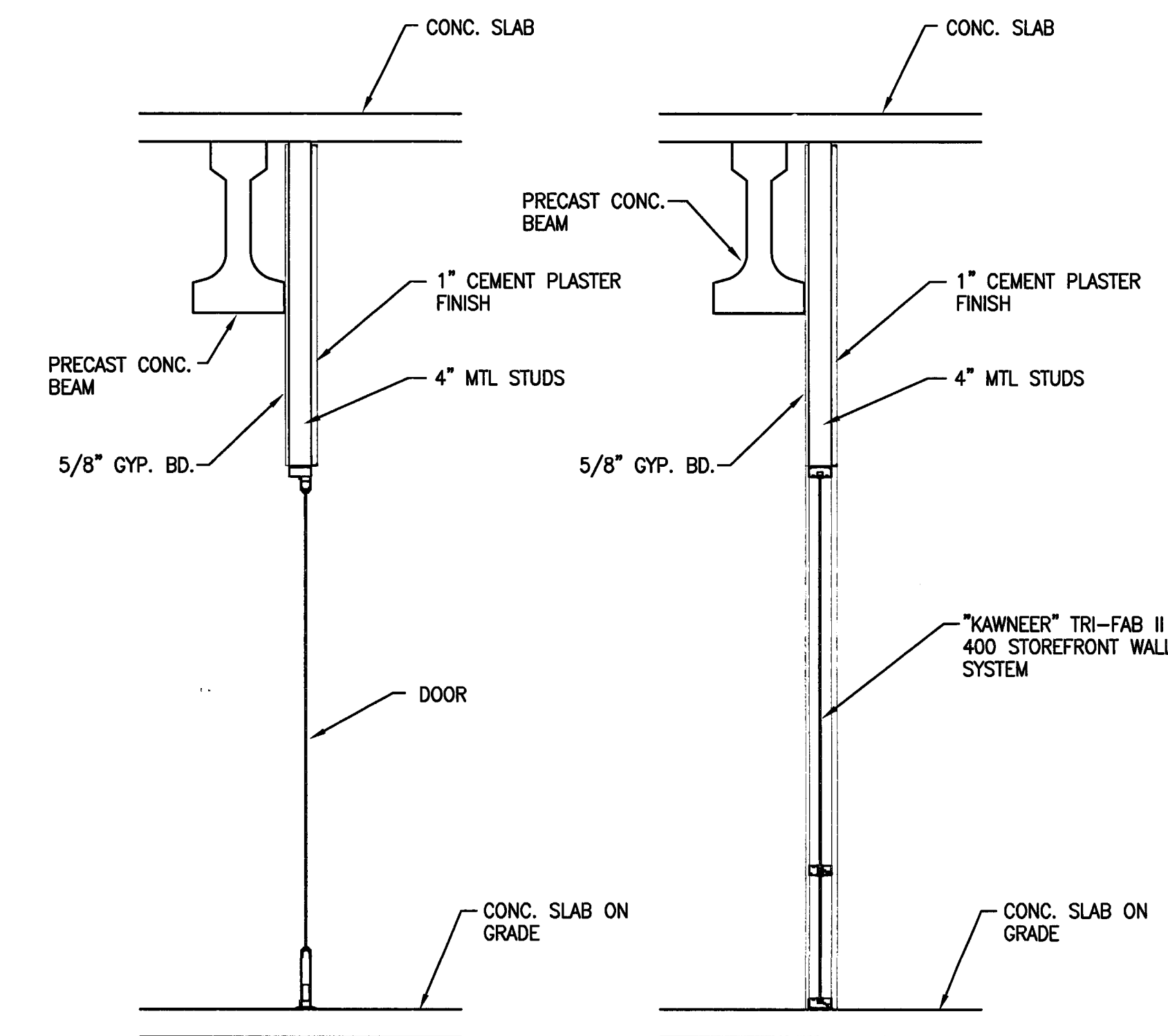
9 KAWNEER TRI-FAB II 400 DETAILS
 A-9.4 SCALE: 3" = 1'-0"



8 DETAIL WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"



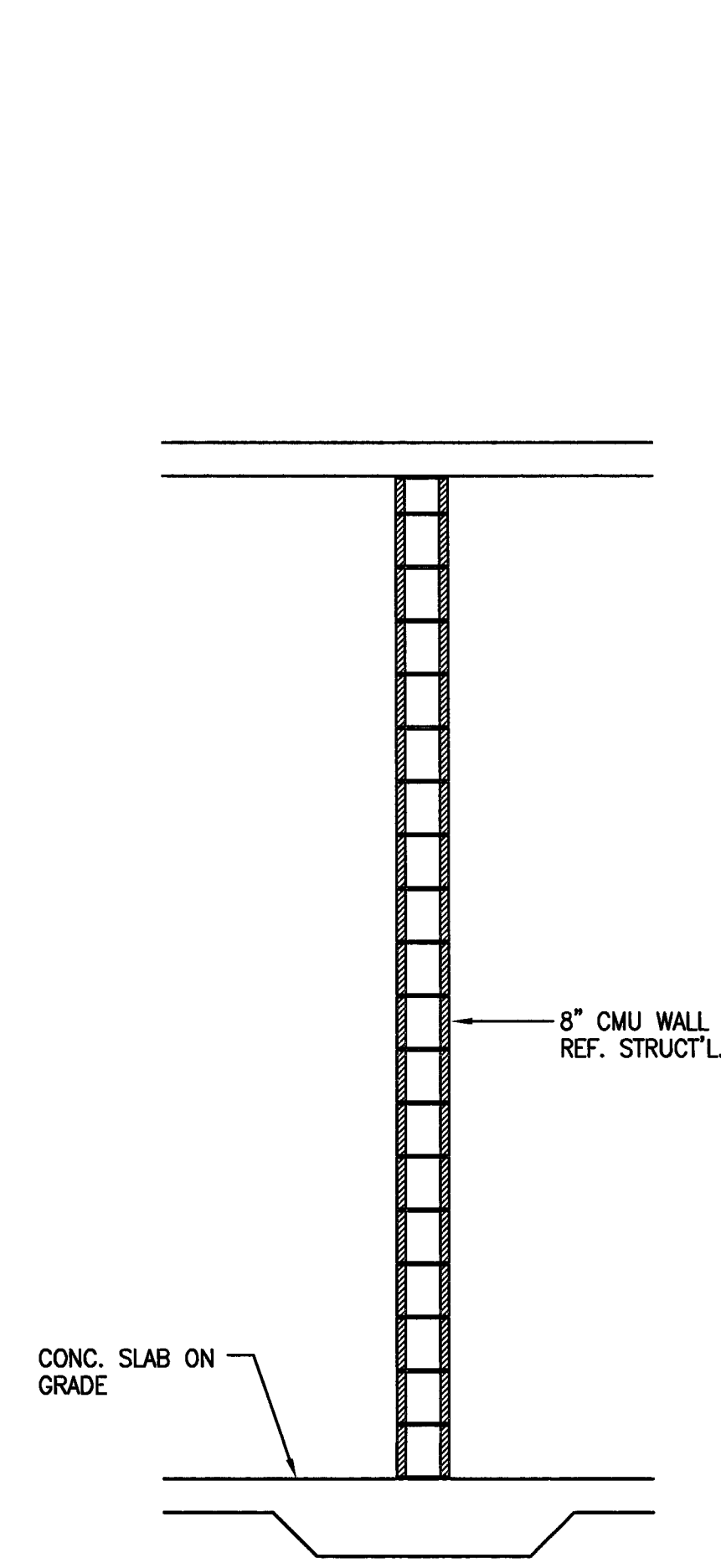
7 STOREFRONT WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"



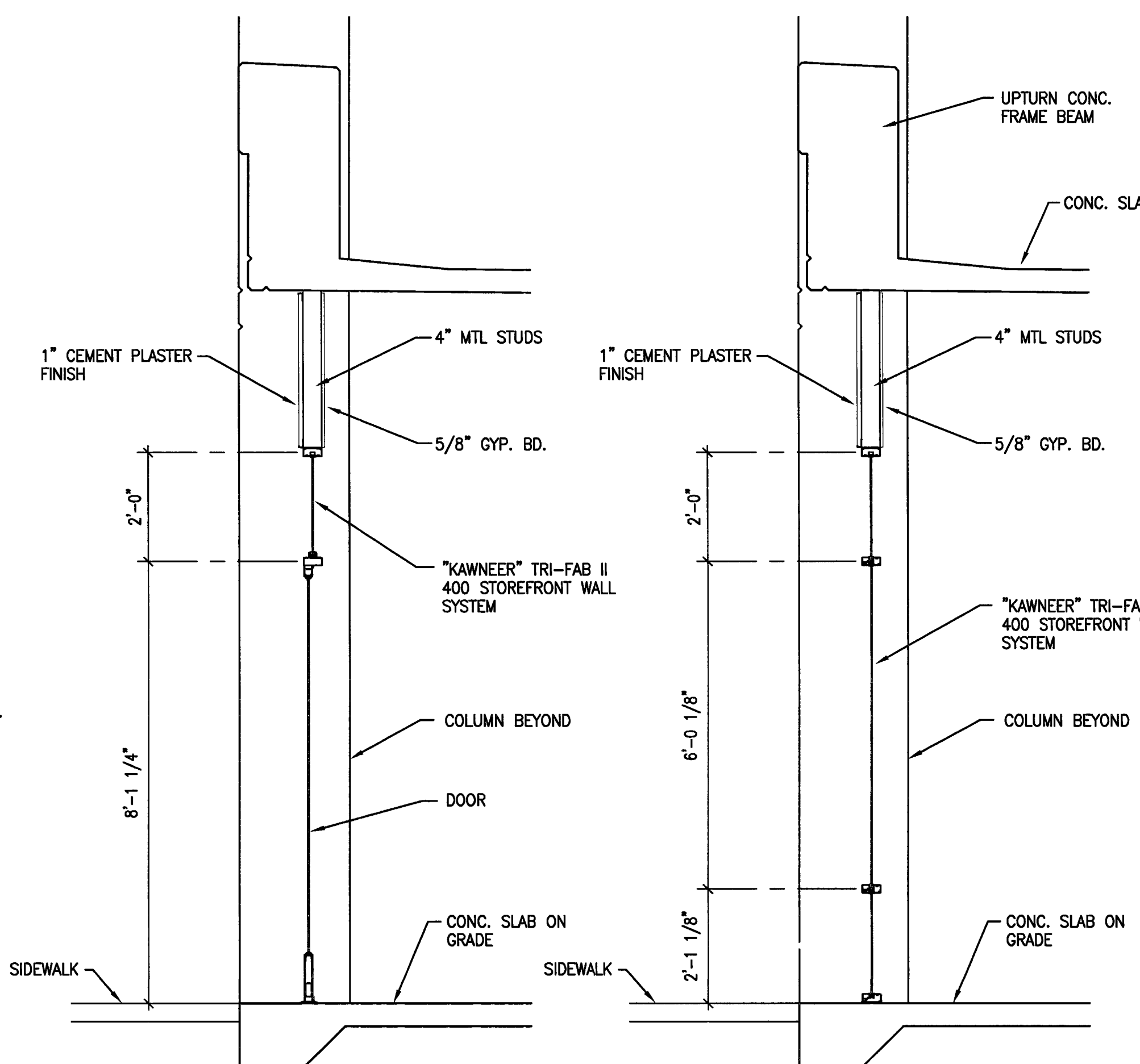
DOOR

WALL

6 STOREFRONT WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"



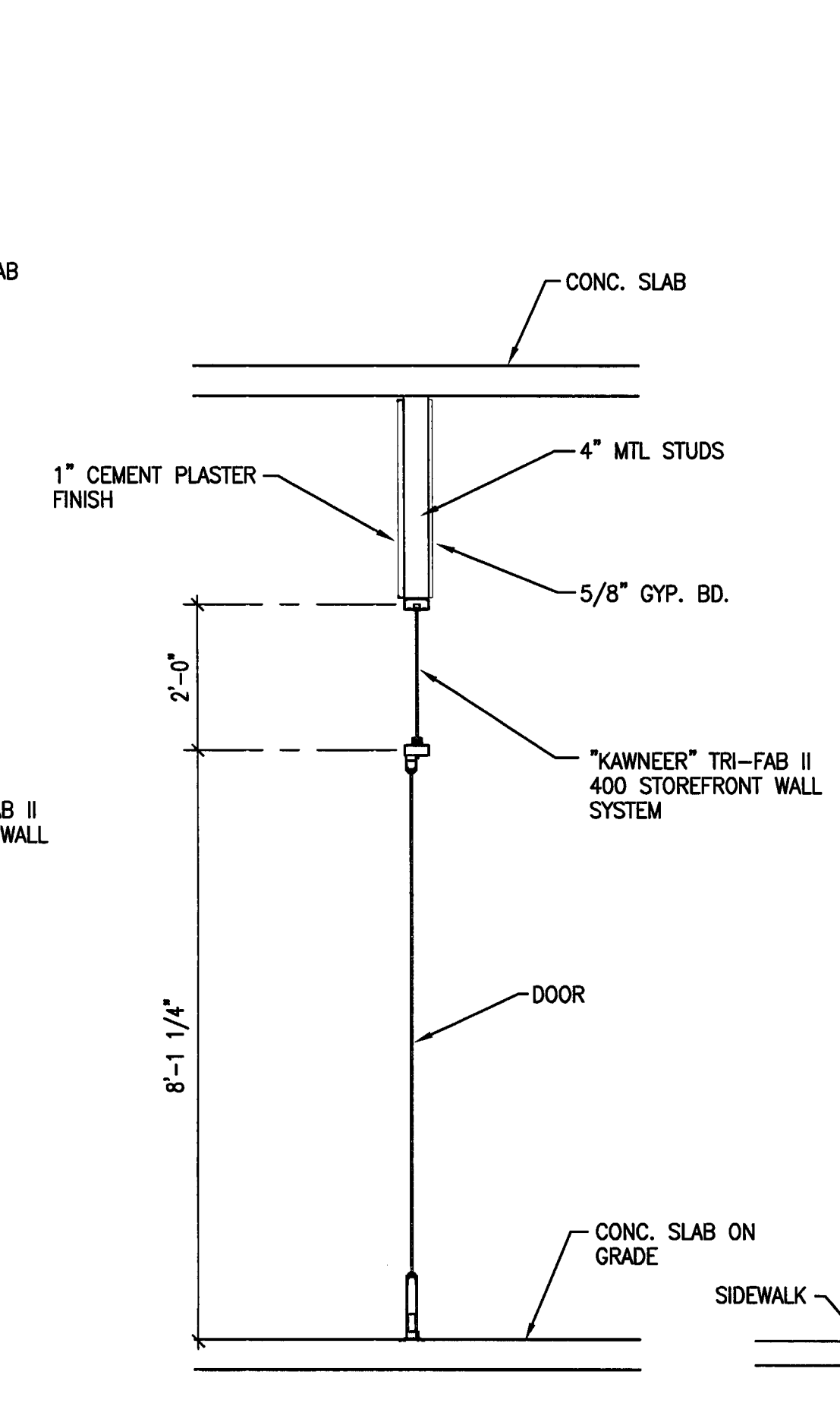
4 DETAIL WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"



DOOR

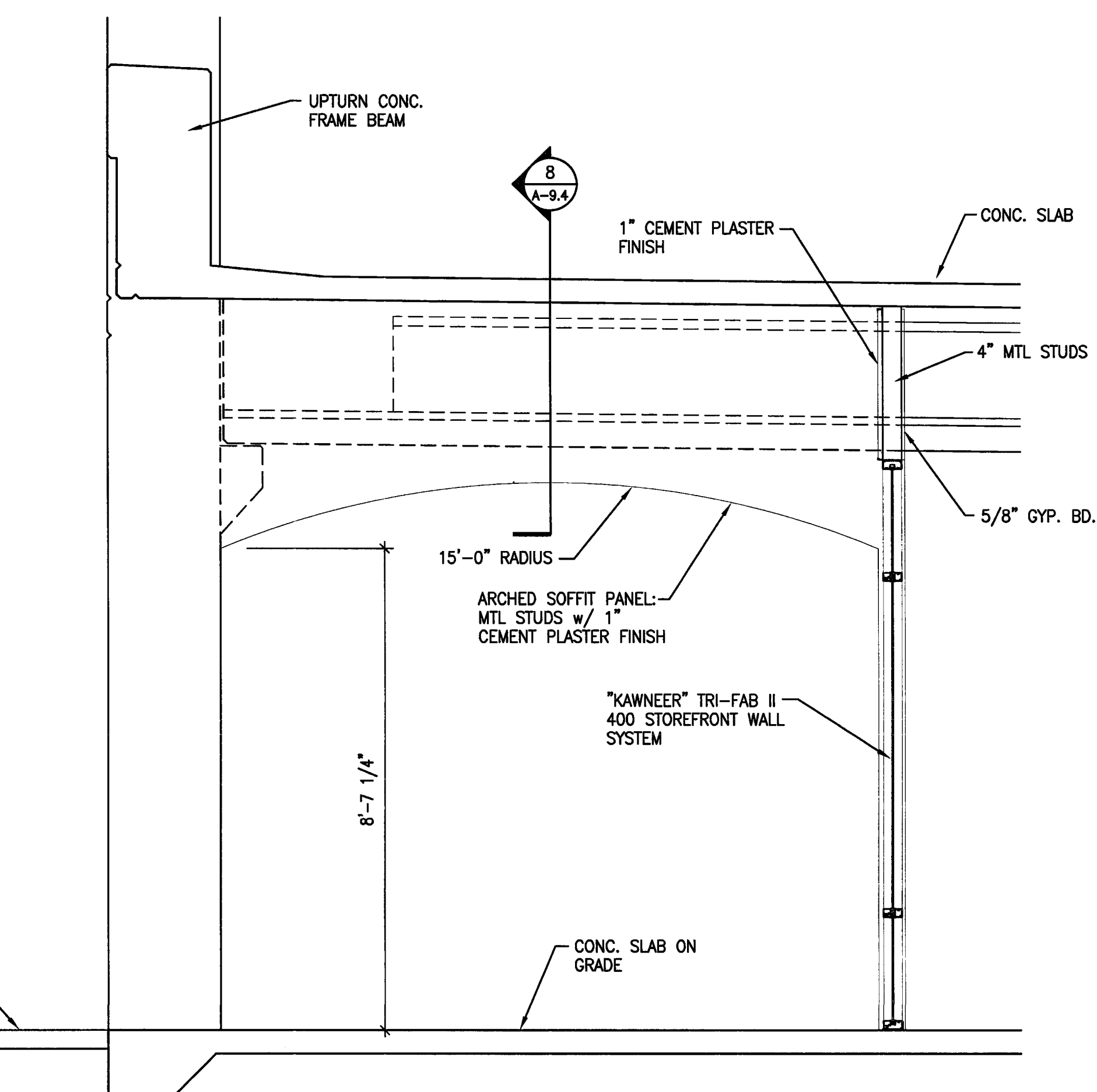
WALL

3 STOREFRONT WALL SECTIONS
 A-9.4 SCALE: 1/2" = 1'-0"



COLONADE AT DOOR

2 STOREFRONT WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"



COLONADE WALL

1 STOREFRONT WALL SECTION
 A-9.4 SCALE: 1/2" = 1'-0"

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209. 931. 3738

CONSULTANTS:
Architect - Permit Consultant
HNA / Pacific
61 Sea Breeze Avenue
Famcho Palms Verdes, California 90275
310. 544. 8670
Design Architect
Wenell Mattheis Bowe
245 E. Main Street
Stockton, California 95202
209. 944. 9110
Structural Engineer
Jesse Wright Structural Engineers
113 West 8th Avenue, Suite A
Chico, California 95926
530. 894. 5345

Civil Engineer
Stegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

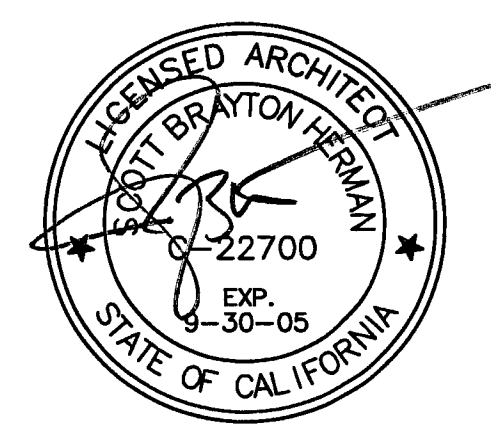
Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
1607 Turnpike Road
Stockton, California 95201
209. 466. 4601

CONST. DOCUMENTS

REVISIONS:

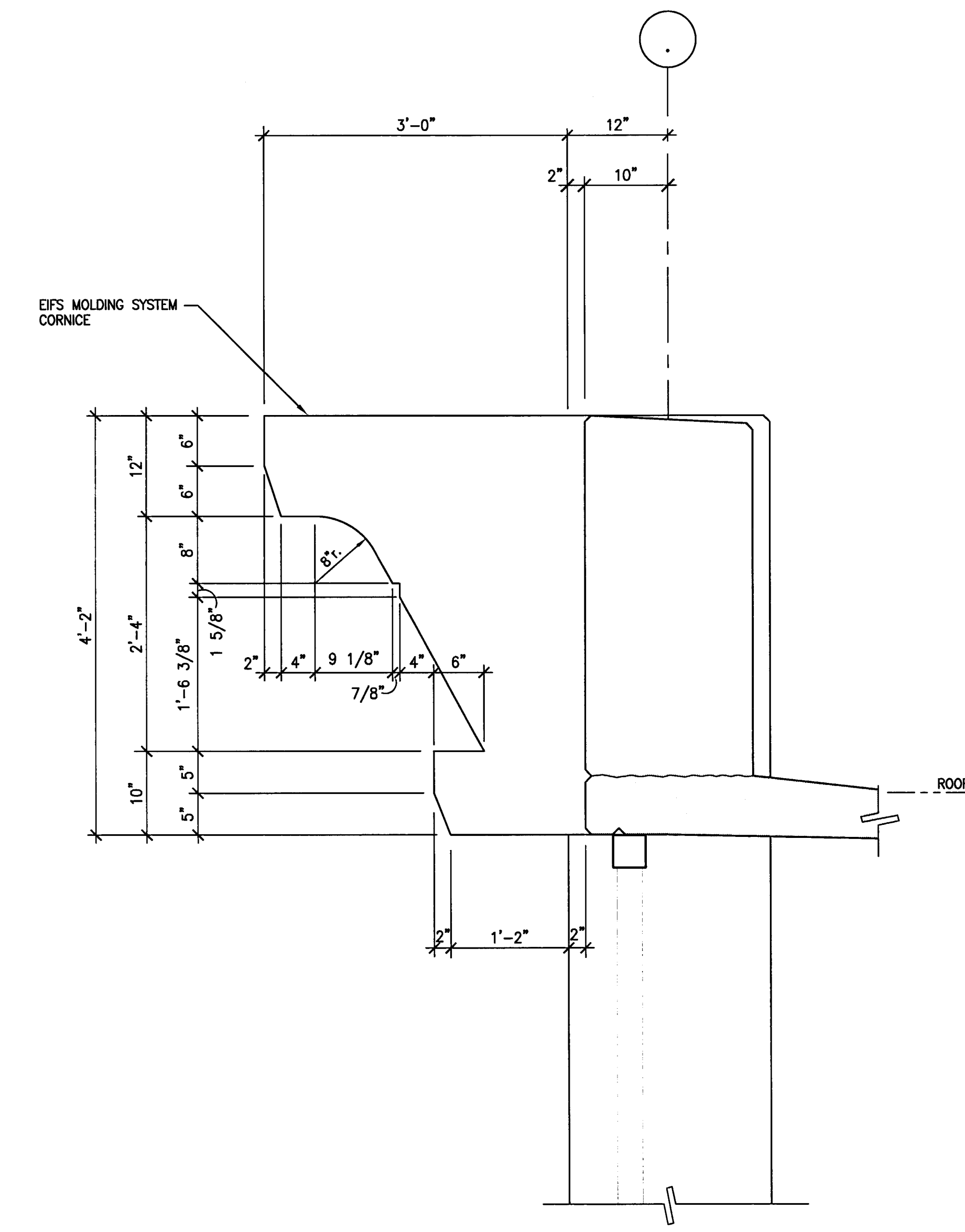
11/29/04	PLANCHICK SET
3/11/05	PERMIT SET



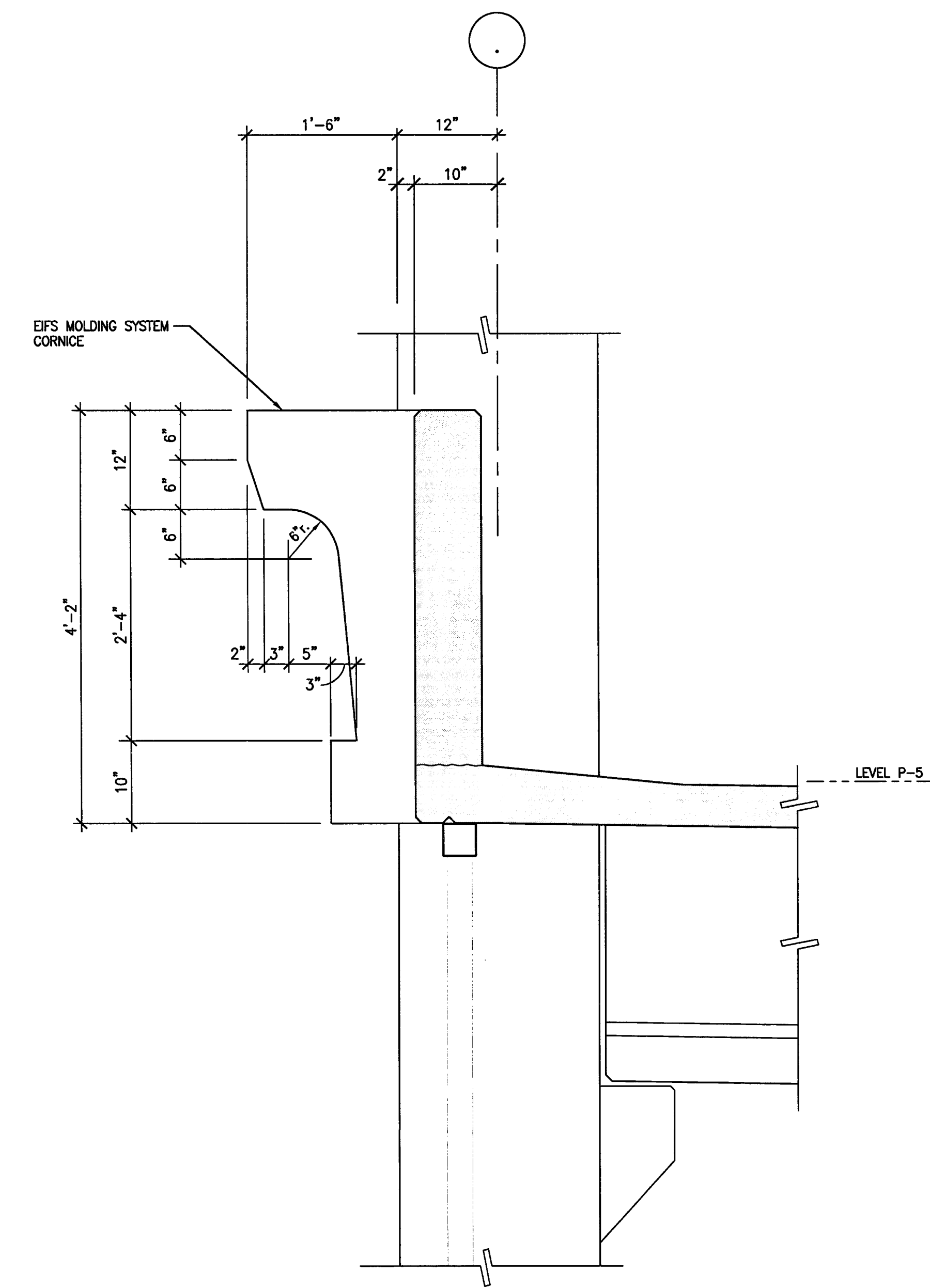
SHEET TITLE
TYPICAL
FACADE
DETAILS

DATE	SCALE
29, NOV. 2004	1" = 1'-0"
DRAWN BY	CHECKED BY
ACL	SBH
DRAWING NO.	SHEET
2319A-10-1	
PROGRAM NO.	R-NO.

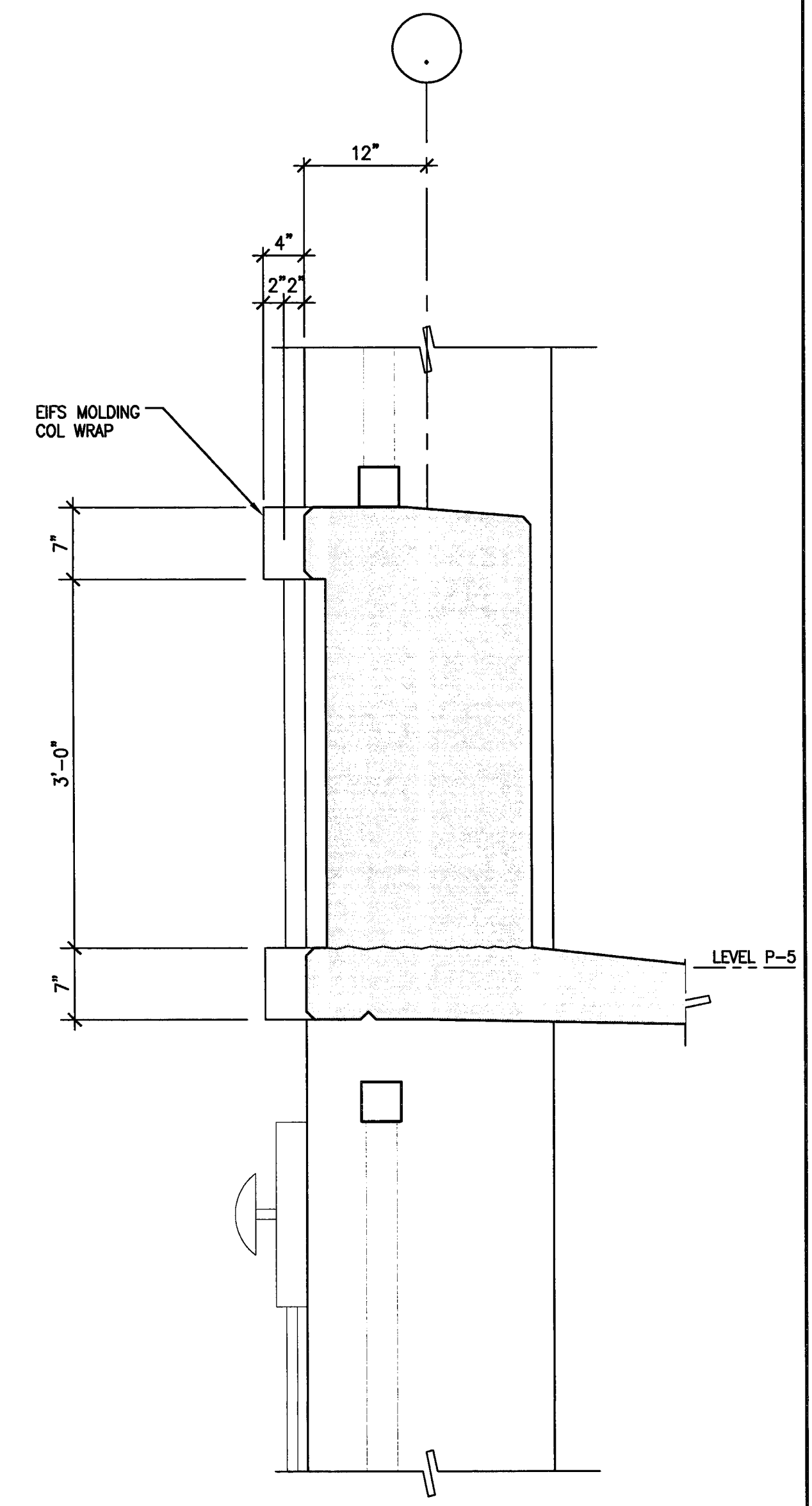
DRAWING NO:
A-10.1
PROJECT NO:
HNA 2319



2 CORNICE DETAIL AT ROOF LEVEL
SCALE: 1" = 1'-0"



1 CORNICE DETAIL AT LEVEL P-5
SCALE: 1" = 1'-0"



1 FACADE DETAIL AT LEVEL P-5
SCALE: 1" = 1'-0"

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CONST. DOCUMENTS

REVISIONS:	DATE	DESCRIPTION
	11/29/04	PLANCHCK SET
	3/11/05	PERMIT SET



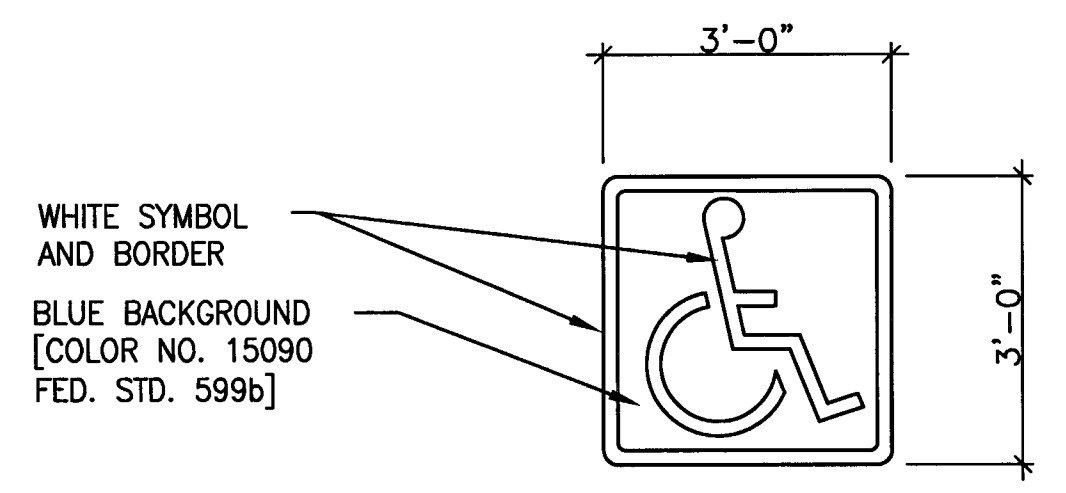
SHEET TITLE

TYPICAL STRIPING DETAILS

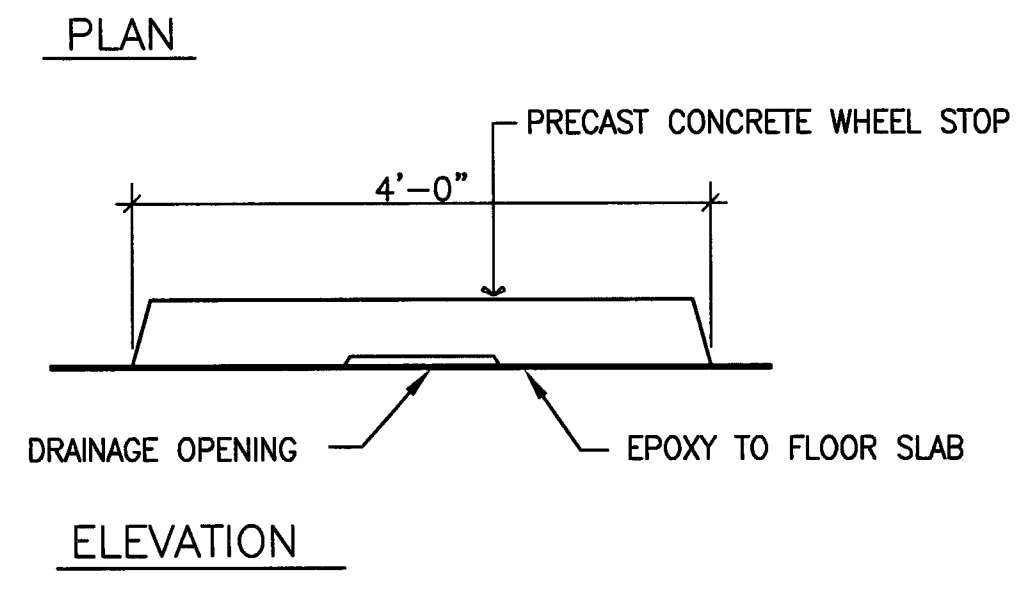
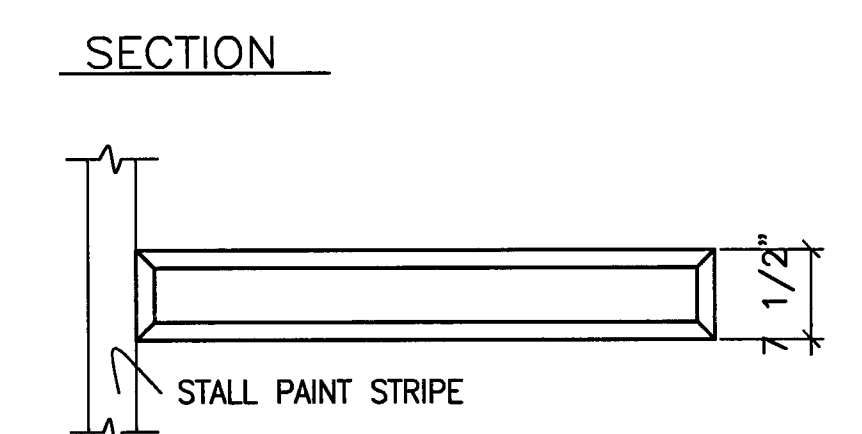
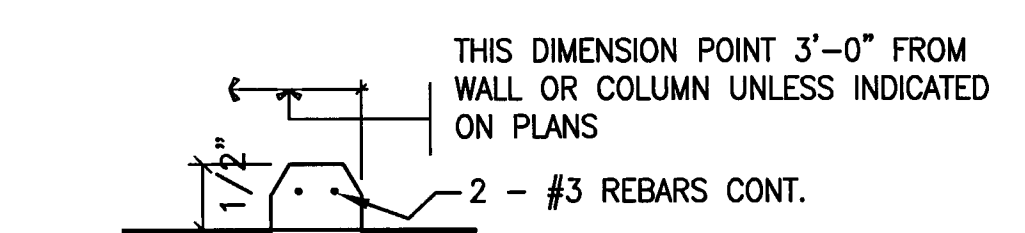
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DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2319A-11.1	SHEET	
PROGRAM NO.		R-NO.	

DRAWING NO:
A-11.1

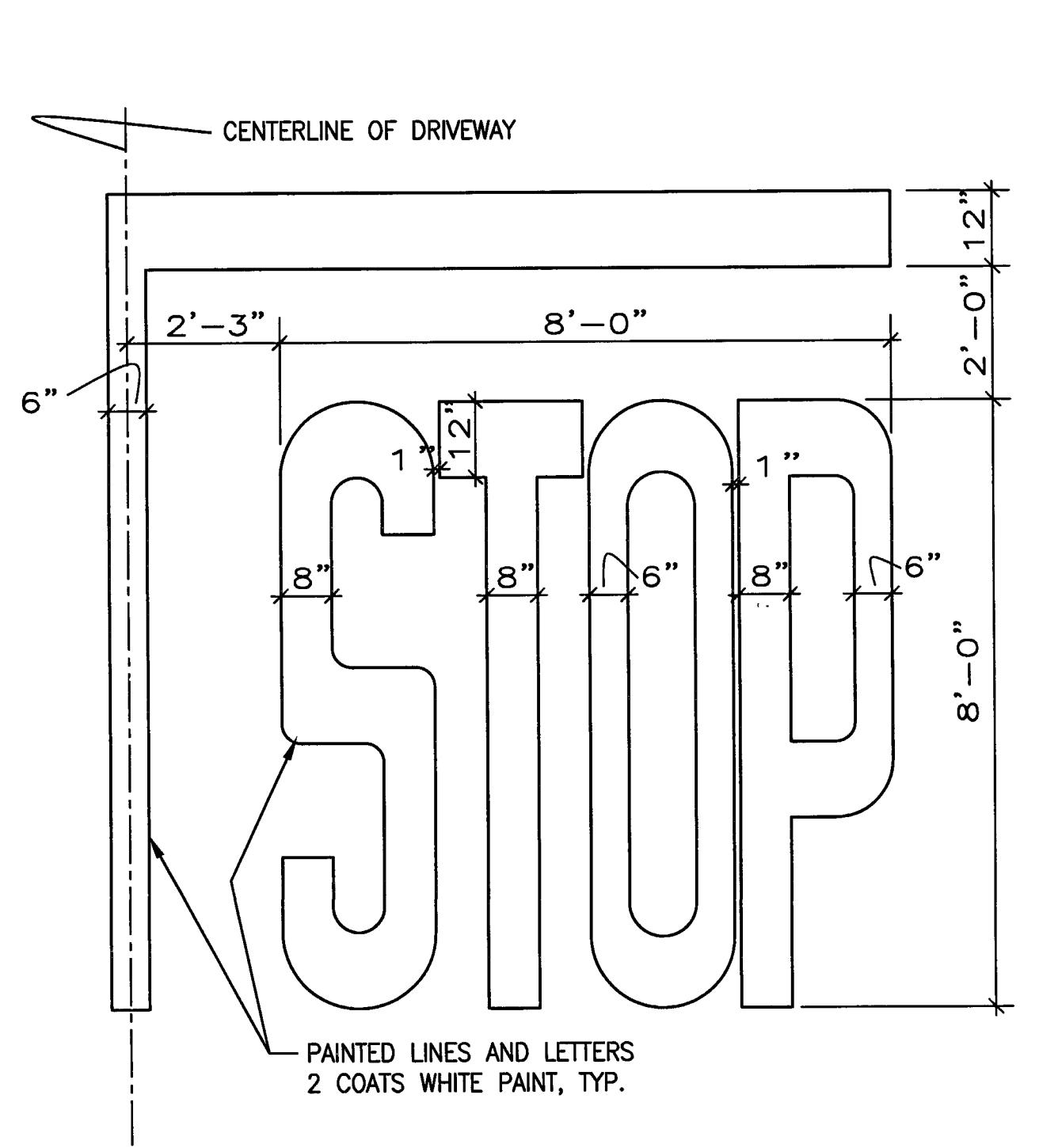
PROJECT NO:
HNA 2319



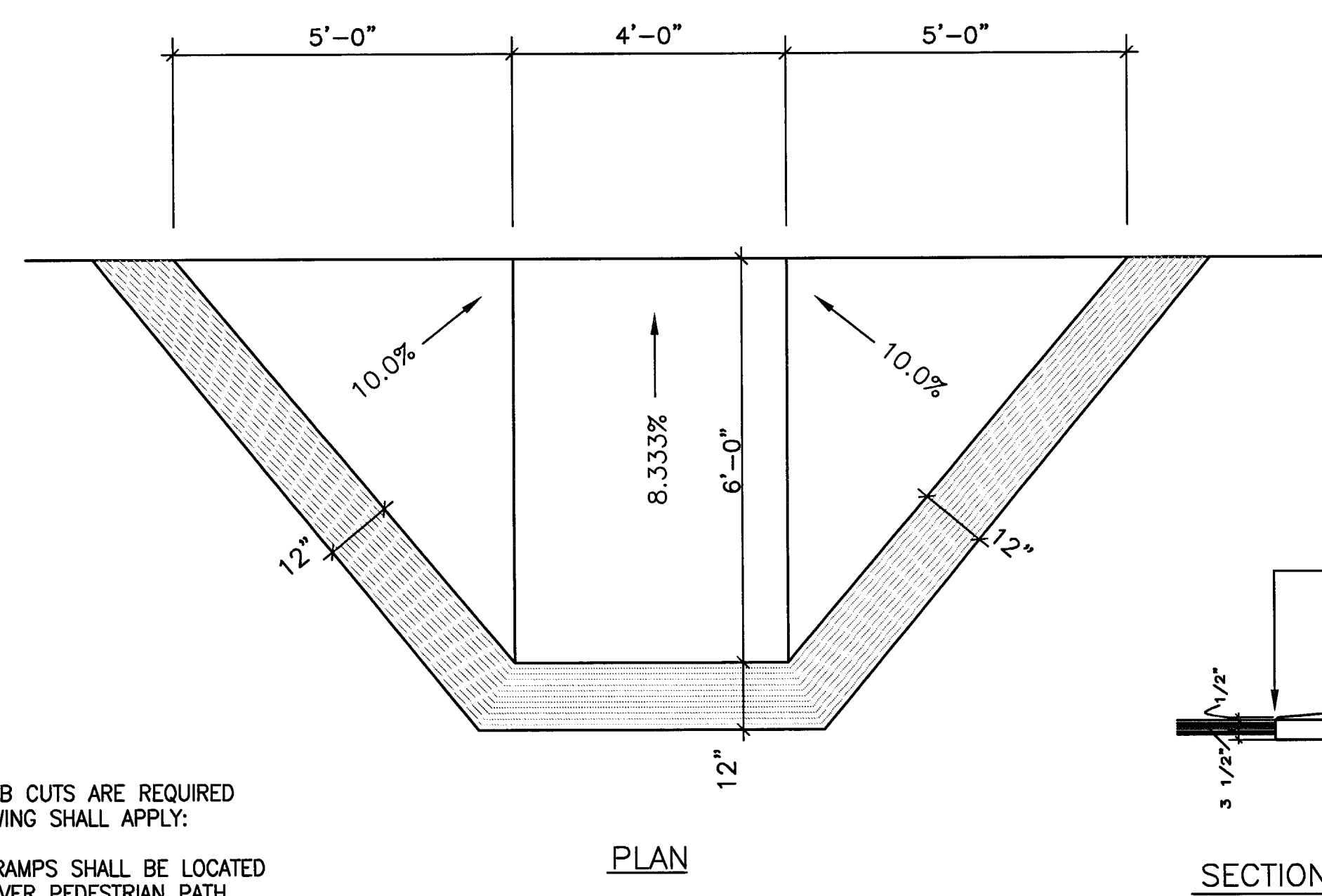
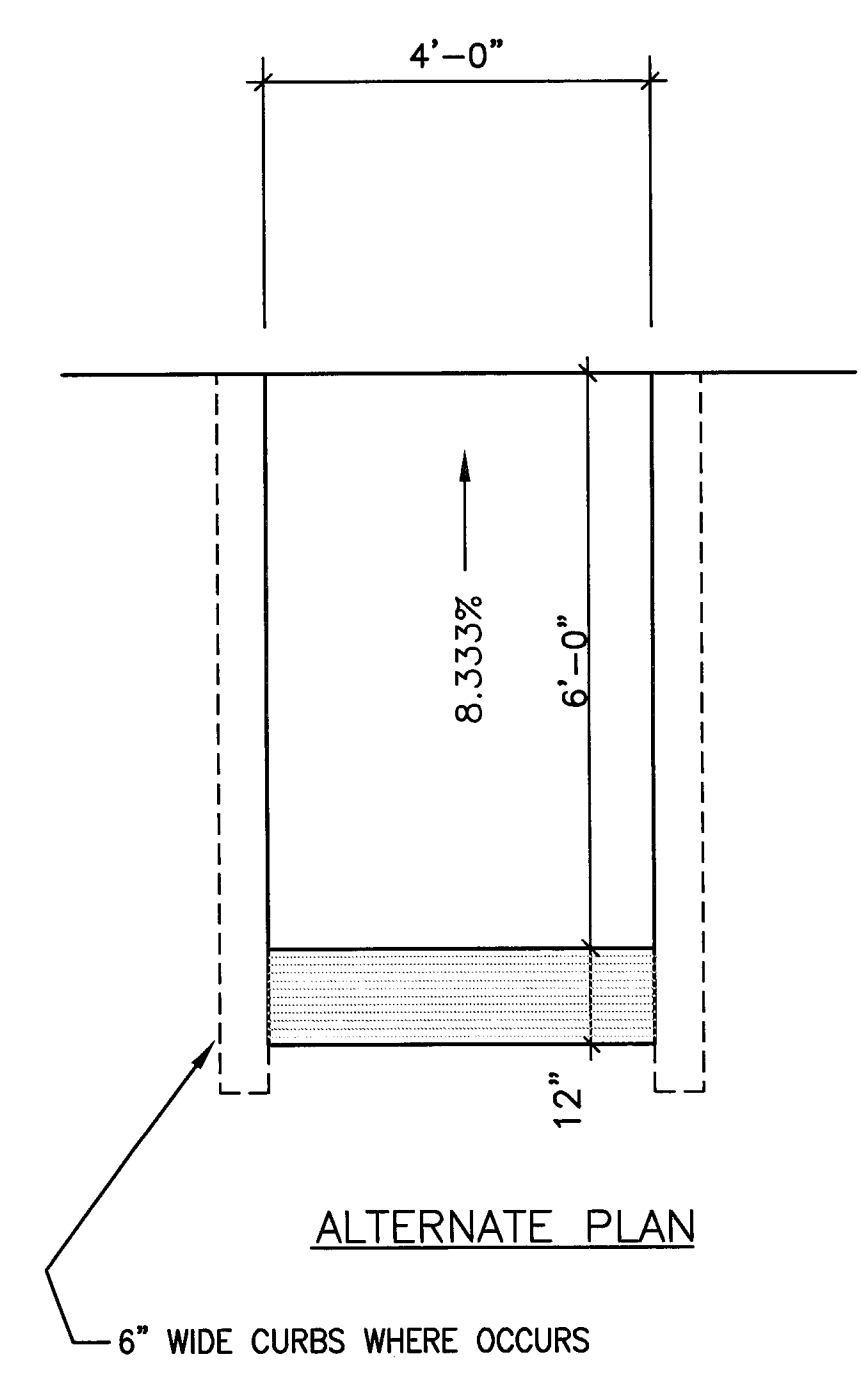
8 TYPICAL DISABLED SYMBOL
 SCALE: 1/2" = 1'-0"



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

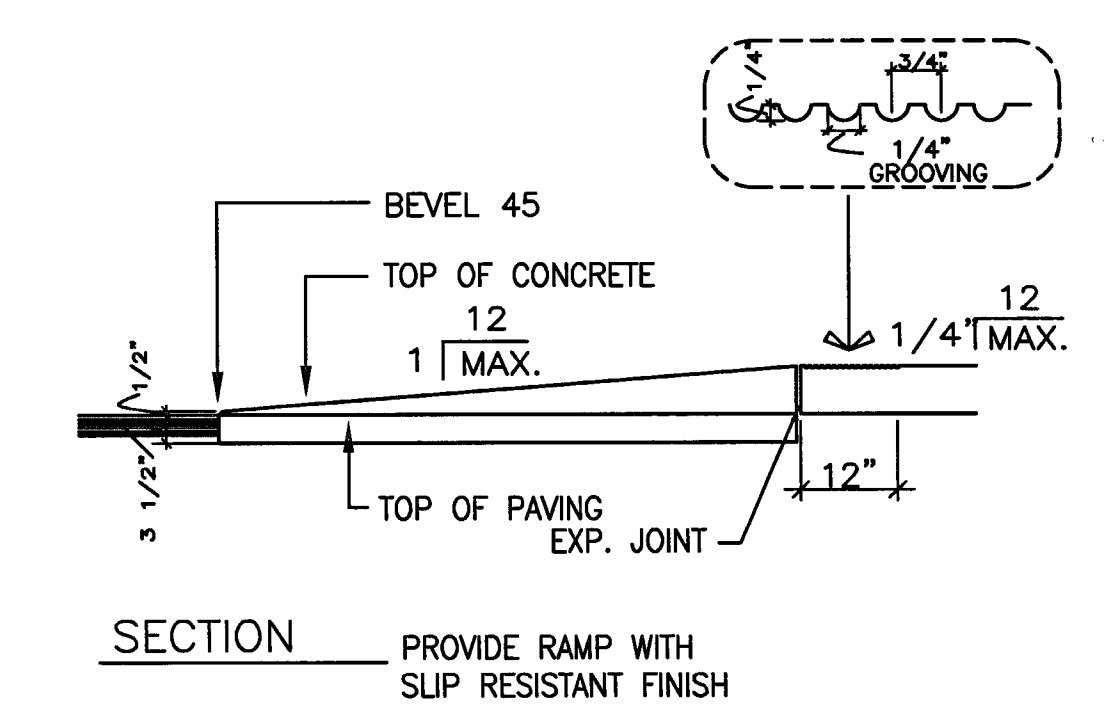


7 PAINTED STOP SIGN
 SCALE: 1/2" = 1'-0"



6 DISABLED RAMP
 SCALE: 1/2" = 1'-0"

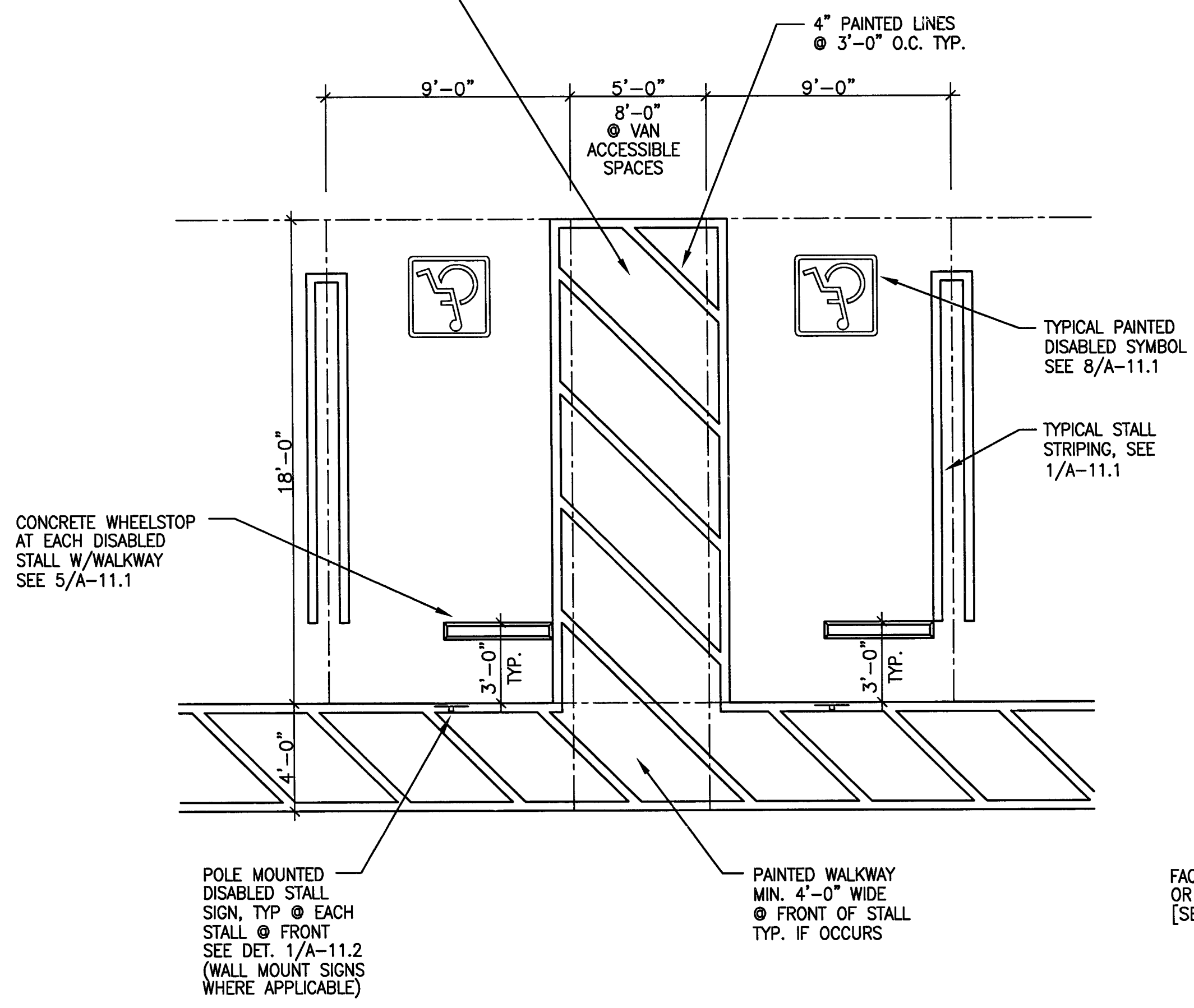
- WHERE CURB CUTS ARE REQUIRED THE FOLLOWING SHALL APPLY:
1. CURB RAMP SHALL BE LOCATED WHEREVER PEDESTRIAN PATH CROSSES CURB.
 2. CURB RAMP SHALL BE 48" MIN. WIDTH WITH MAX. SLOPE OF 1 IN 12.
 3. A LEVEL 48" MIN. DEPTH LANDING IS REQUIRED AT TOP OF CURB RAMP OVER ENTIRE CURB WIDTH.
 4. WHEN THE SLOPE OF A CURB RAMP IS LESS THAN 1:15 GRADIENT (6.67%) IT SHALL HAVE A TRUNCATED DOME DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP INSIDE THE GROOVED BORDER



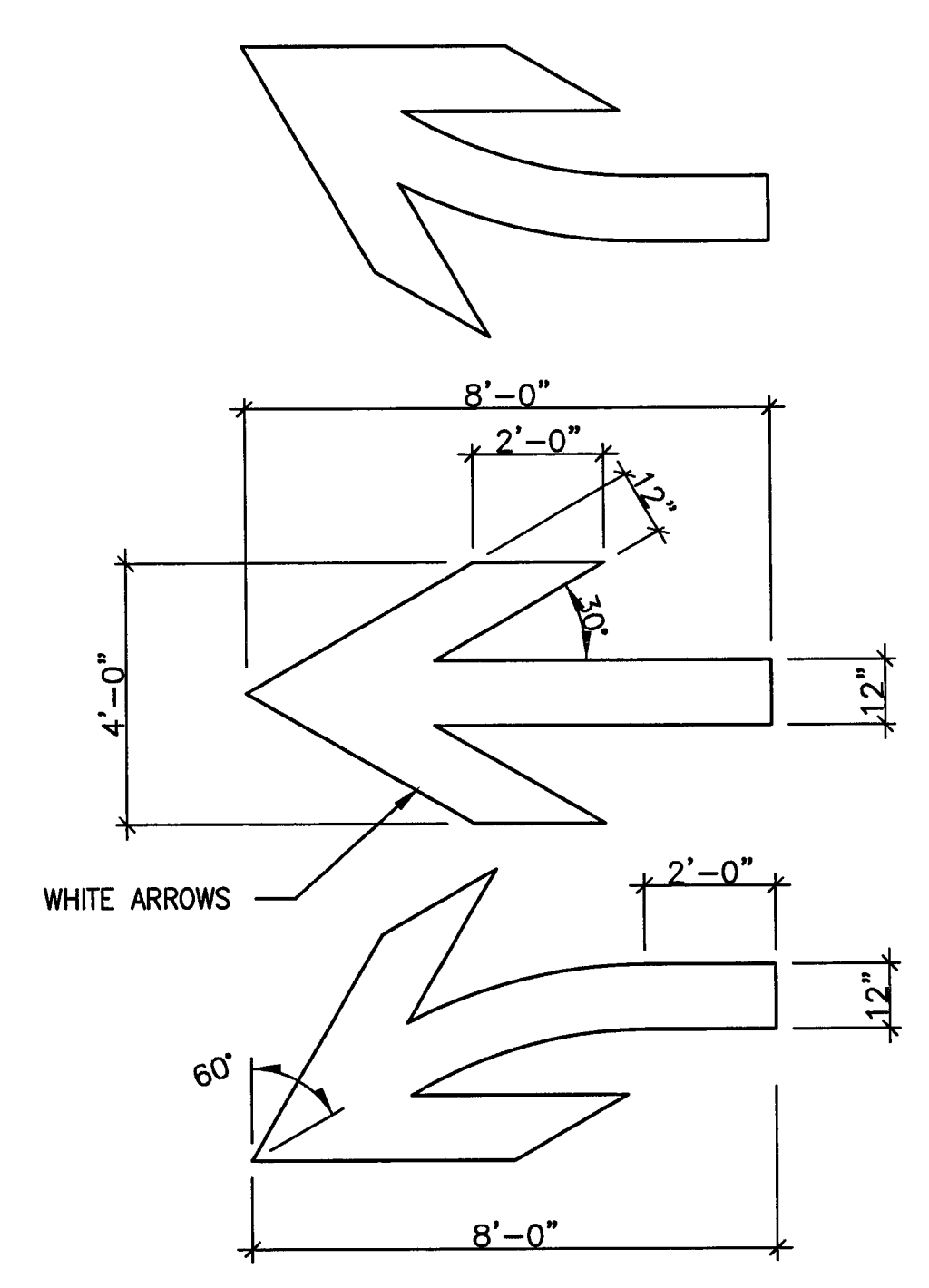
DISABLED PARKING NOTES

1. THE MINIMUM LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18'-0".
2. ONE IN EVERY EIGHT ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96" WIDE MINIMUM AND SHALL BE DESIGNATED VAN ACCESSIBLE. ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE.
3. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 1 UNIT VERTICAL TO 50 UNITS HORIZONTAL IN ANY DIRECTION. THIS SHALL APPLY TO THE LOADING AISLES AS WELL. ALL ENTRANCES TO AND VERTICAL CLEARANCES WITHIN PARKING STRUCTURES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8'-2" WHERE REQUIRED FOR ACCESSIBILITY TO ACCESSIBLE PARKING SPACES. THE VERTICAL CLEARANCE SHALL BE CLEAR OF ALL OBSTRUCTIONS, INCLUDING BEAMS, SPRINKLER HEADS, WATER AND SEWER PIPING.
4. IN EACH PARKING AREA BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS.
5. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE WITH DISABILITIES SHALL BE PROVIDED FROM EACH SUCH PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS AS NEEDED.
6. ACCESSIBLE PARKING SPACES SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
7. RAMP SHALL NOT ENCRUGH INTO ANY PARKING SPACE, WITH THE EXCEPTION OF A TRANSITION RAMP FROM A LOADING/ UNLOADING AREA TO AN ADJACENT SIDEWALK. THE TRANSITION RAMP SHALL BE A MINIMUM OF 48" IN WIDTH, A MAXIMUM OF 60" IN LENGTH, WITH A MAXIMUM SLOPE OF 1:12.
8. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE OR DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE.
9. VAN ACCESSIBLE PARKING SPACE SHALL HAVE AN ADDITIONAL SIGN STATING "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY AND POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE.
10. SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK.
11. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER ONE OF THE FOLLOWING SCHEMES:
 A. BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT; OR
 B. BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36" HIGH BY 36" WIDE.
12. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN THE FIVE-FOOT LOADING AND UNLOADING AISLE. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12" INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND IN WHITE 12" HIGH LETTERS SEE THE NOTES THIS SHEET FOR ADDITIONAL INFORMATION.

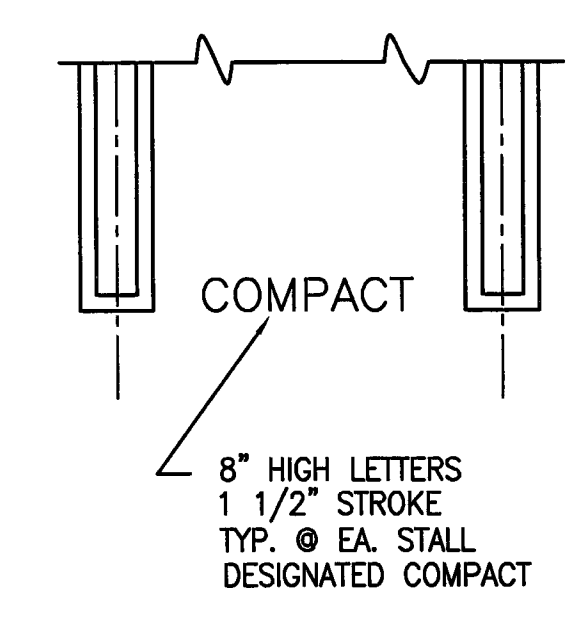


2 TYP. DISABLED STALL STRIPING
 SCALE: 1/4" = 1'-0"

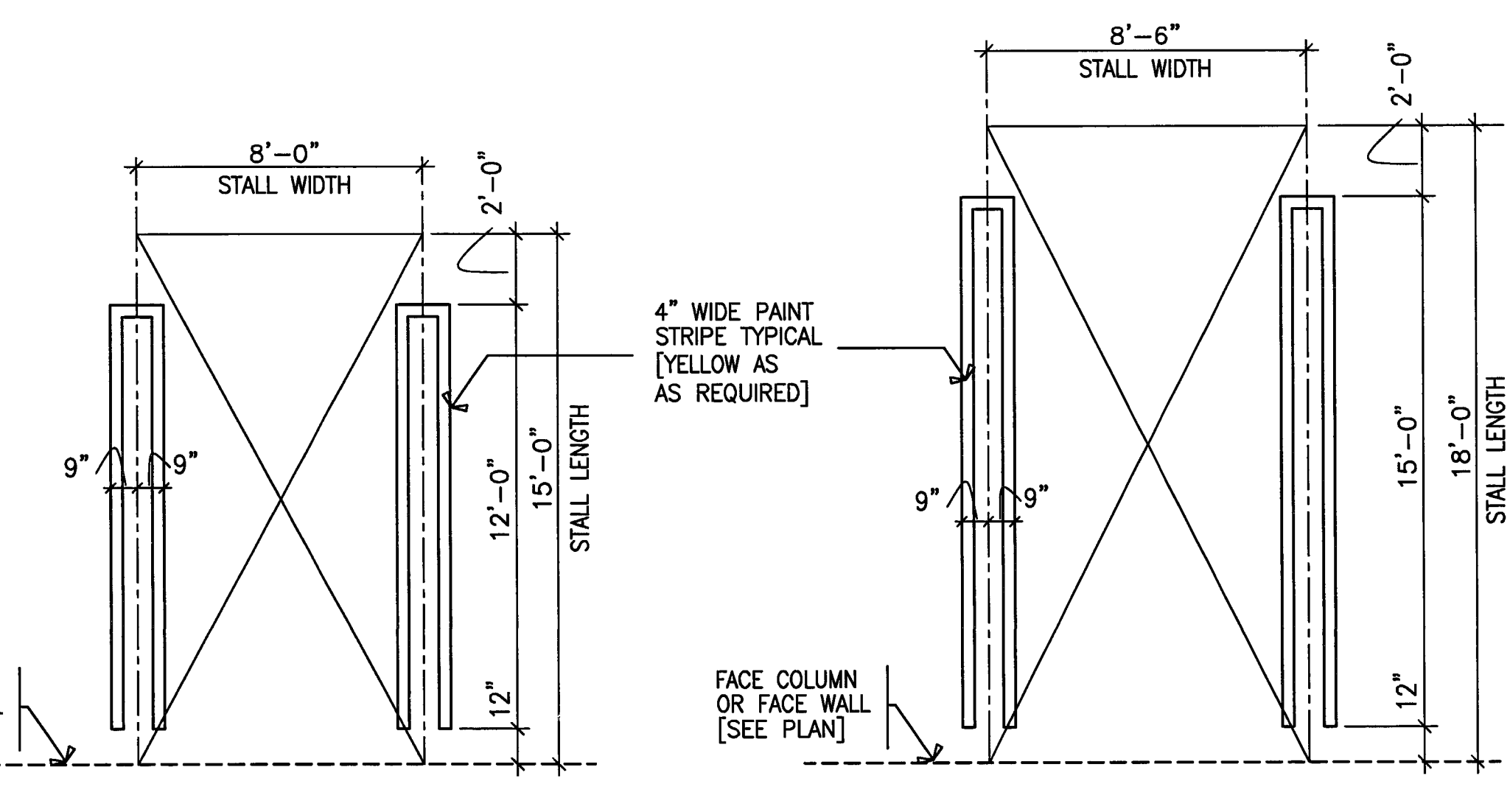


4 TRAFFIC ARROWS
 SCALE: 1/2" = 1'-0"

- NOTE:** AT THE ENTRANCES TO THE PARKING STRUCTURE PROVIDE SIGNS THAT STATE THE FOLLOWING INFORMATION REGARDING COMPACT PARKING SPACES
- (i) COMPACT CARS ARE TO BE PARKED IN COMPACT STALLS WHEN AVAILABLE
 - (ii) STANDARD-SIZE CARS SHALL NOT BE PARKED IN "COMPACT ONLY" STALLS
 - (iii) PROBLEMS CONCERNING PARKING SHOULD BE REPORTED TO THE PROPERTY OWNER OR A DESIGNATED REPRESENTATIVE
 - (iv) THE PHONE NUMBER OF THE PROPERTY OWNER OR A DESIGNATED REPRESENTATIVE



3 TYPICAL COMPACT MARKING
 SCALE: 1/4" = 1'-0"



1 TYPICAL STALL STRIPING
 SCALE: 1/4" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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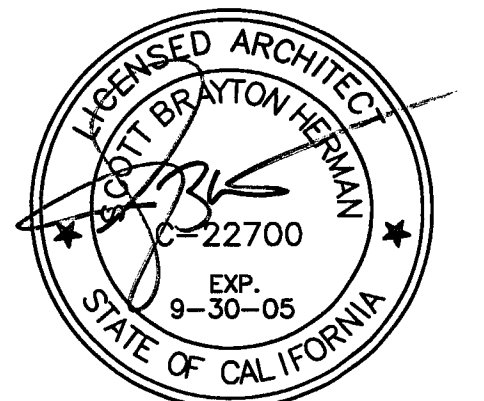
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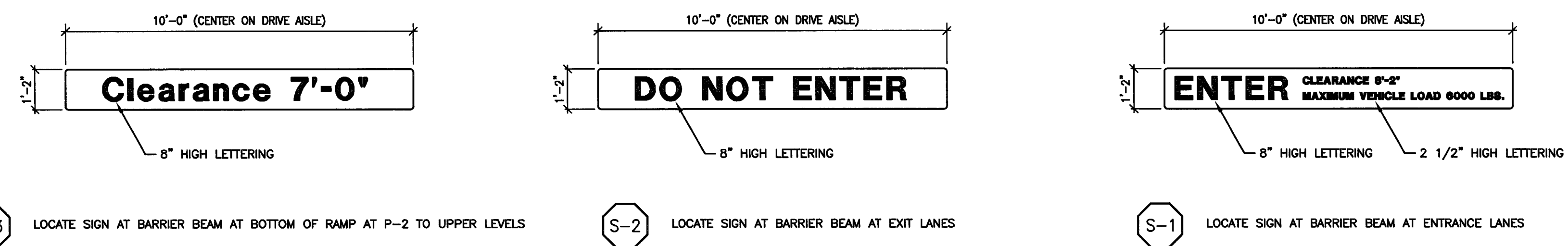
CONST. DOCUMENTS

REVISIONS:	
11/29/04	PLANCHCK SET
3/11/05	PERMIT SET



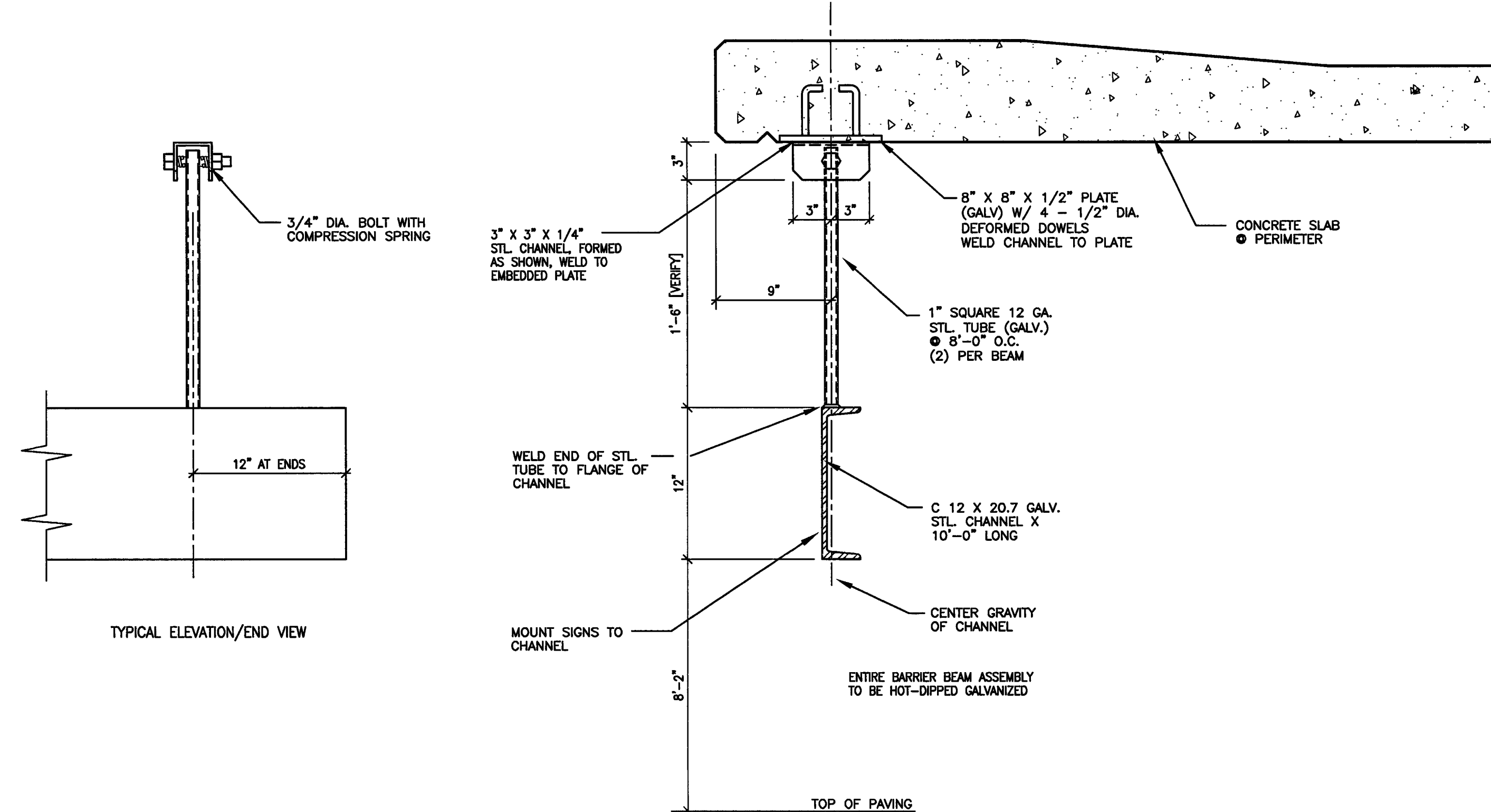
TYPICAL SIGNAGE DETAILS

DATE	29, NOV. 2004	SCALE	AS NOTED
DRAWN BY	SBH	CHECKED BY	SBH
DRAWING NO.	2320A-11-2	SHEET	
PROGRAM NO.		R-NO.	
DRAWING NO:	A-11.2		
PROJECT NO:	HNA 2319		

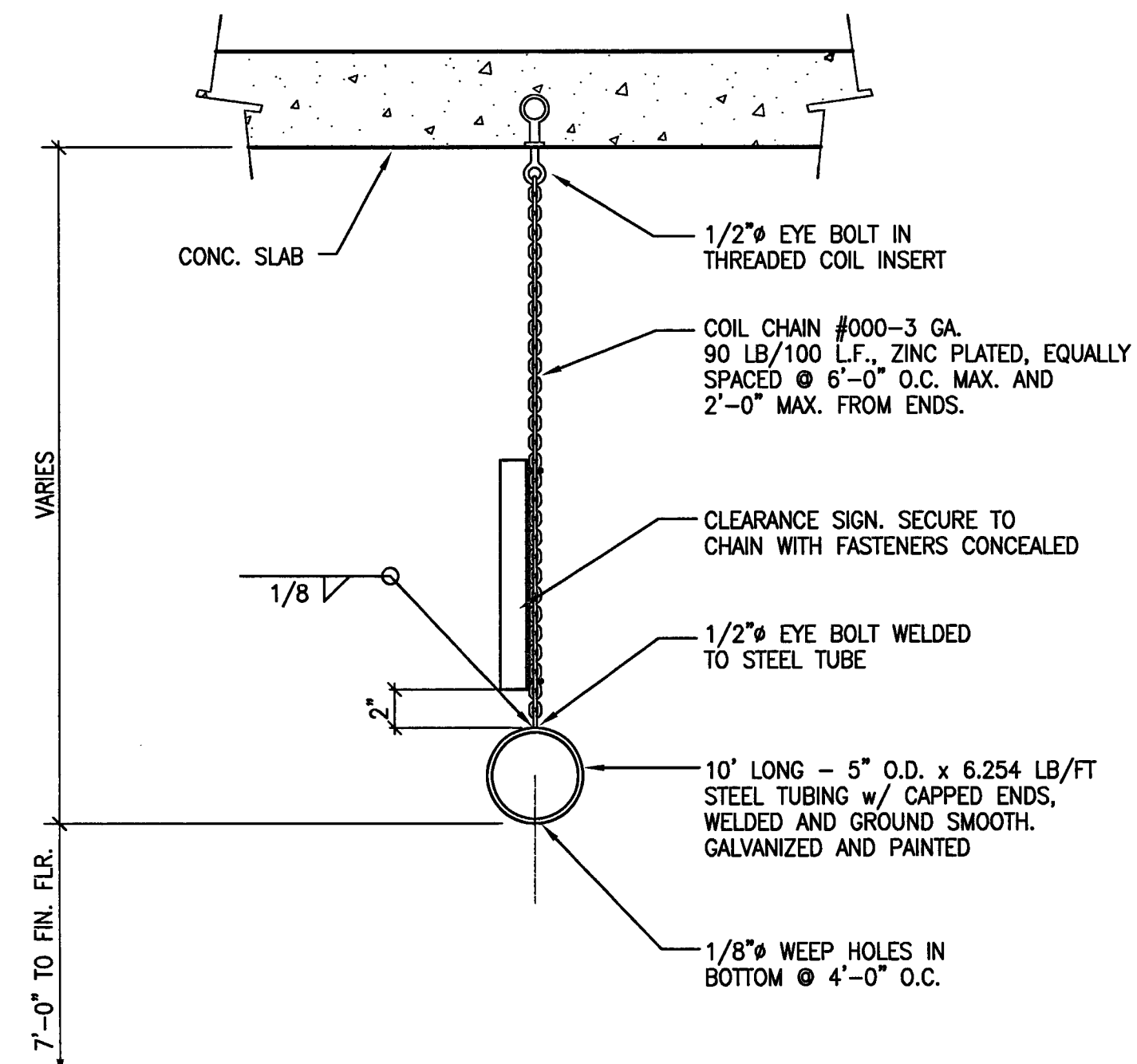


S-3 LOCATE SIGN AT BARRIER BEAM AT BOTTOM OF RAMP AT P-2 TO UPPER LEVELS
S-2 LOCATE SIGN AT BARRIER BEAM AT EXIT LANES
S-1 LOCATE SIGN AT BARRIER BEAM AT ENTRANCE LANES

8 DIRECTIONAL SIGN MESSAGES
 SCALE: 3/8" = 1'-0"



5 BARRIER BEAM @ ENTRANCES
 SCALE: 1 1/2" = 1'-0"

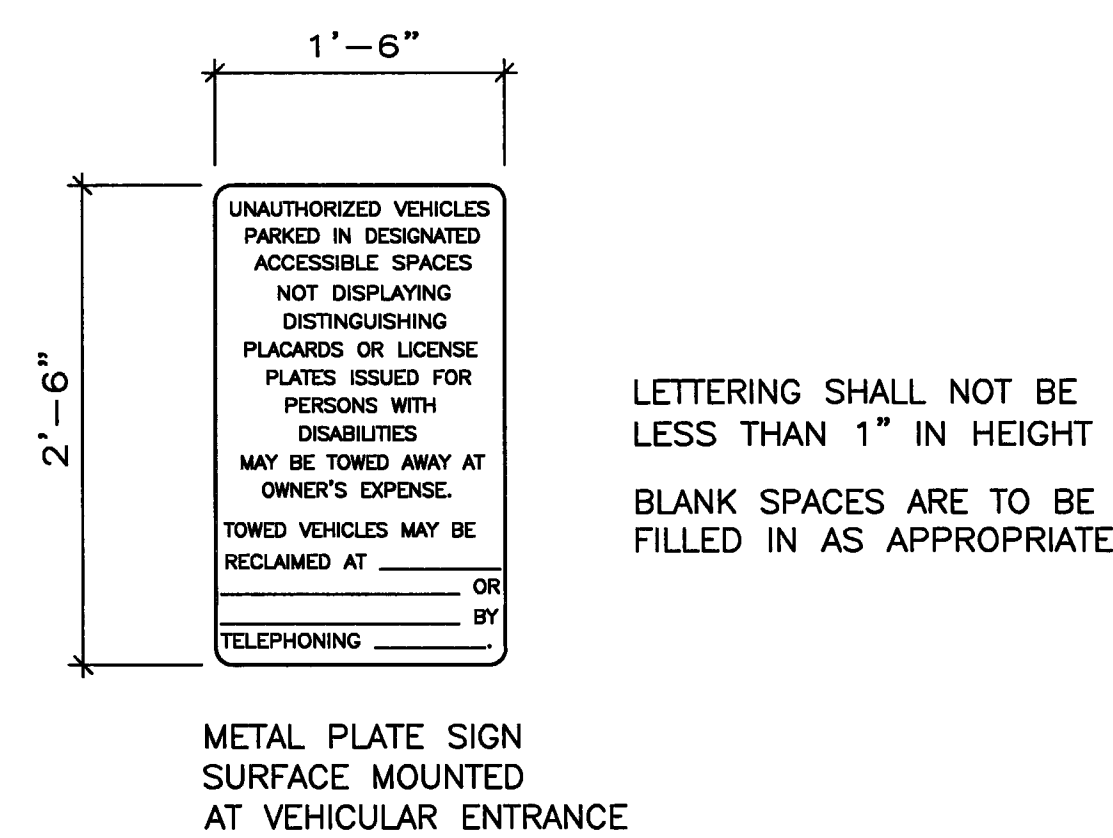


6 CLEARANCE BARRIER DETAIL
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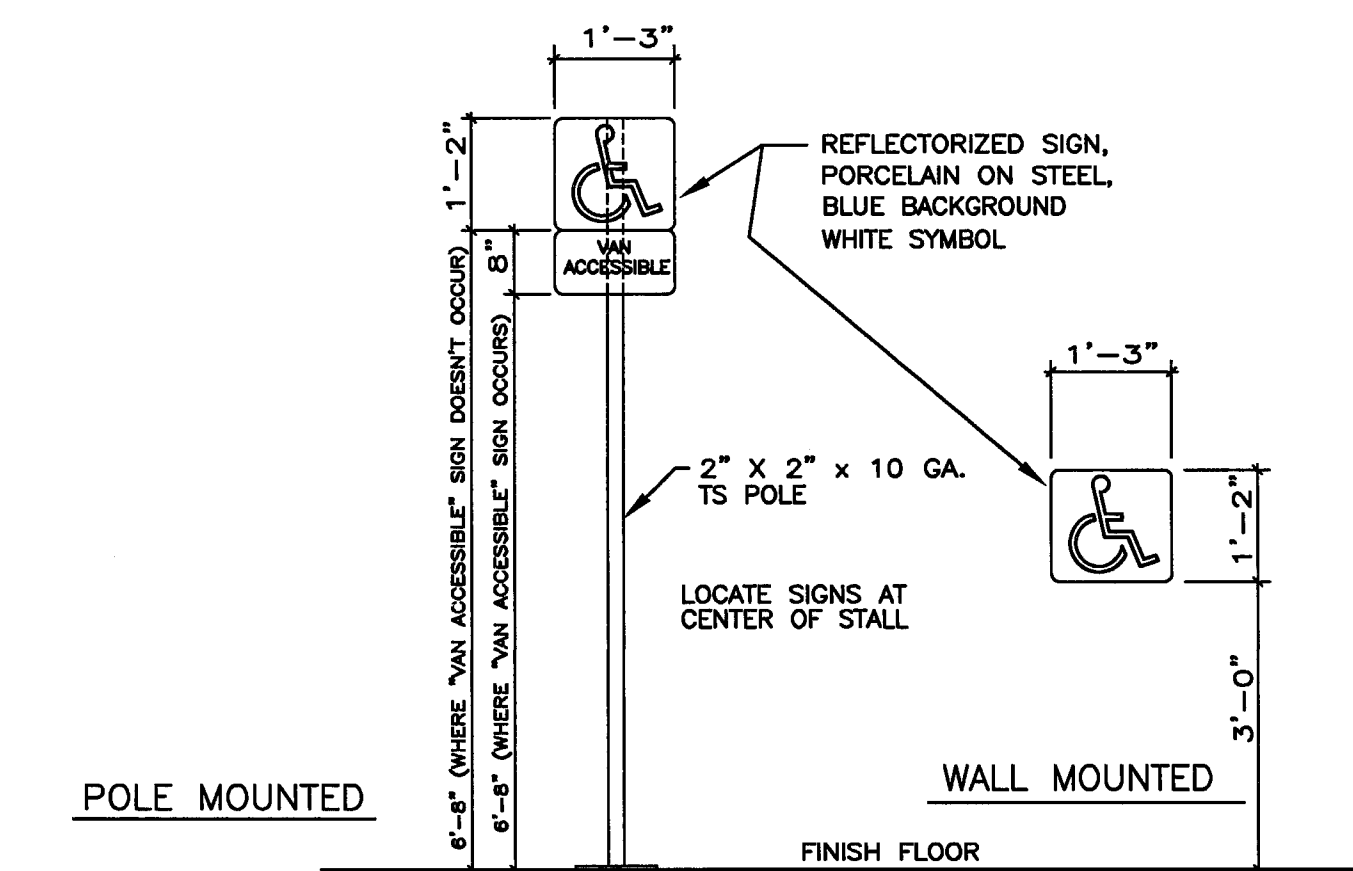
PROVIDE THE FOLLOWING SIGNS FOR THE PROJECT: (NOT SHOWN ON PLANS)

- AT EACH ELEVATOR LANDING PROVIDE A SIGN WITH VERBAL AS WELL AS GRAPHIC SYMBOLIZATION THAT STATES:
 "IN CASE OF FIRE - DO NOT USE ELEVATORS - USE STAIRS"
- AT ELECTRICAL ROOM PROVIDE SIGNAGE STATING:
 "ELECTRICAL ROOM"
- AT ELEVATOR MACHINE ROOM PROVIDE SIGNAGE STATING:
 "ELEVATOR MACHINE ROOM"

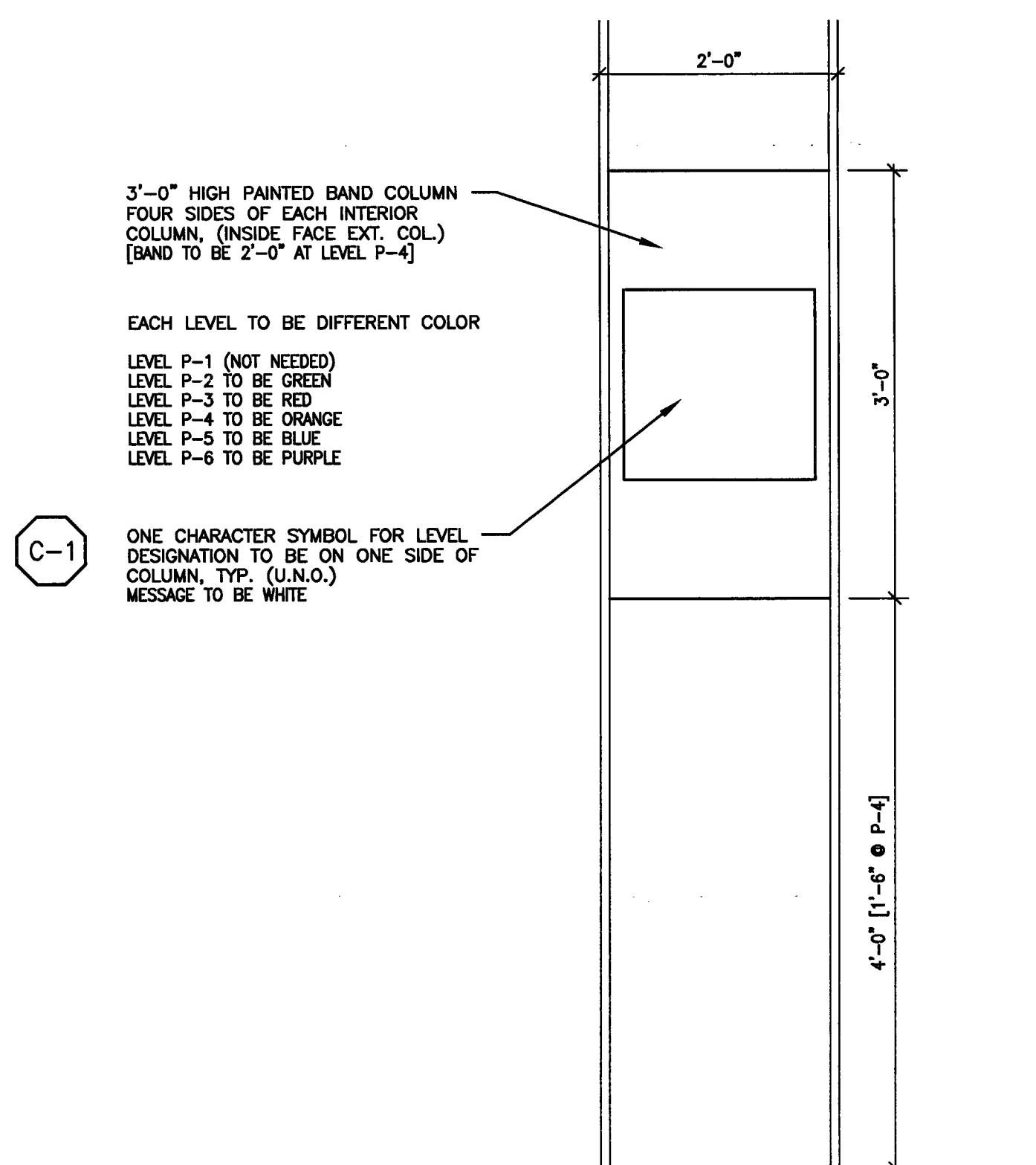
SEE SHEET A-11.1 FOR SURFACE PAINTED GRAPHICS AND STRIPING DETAILS



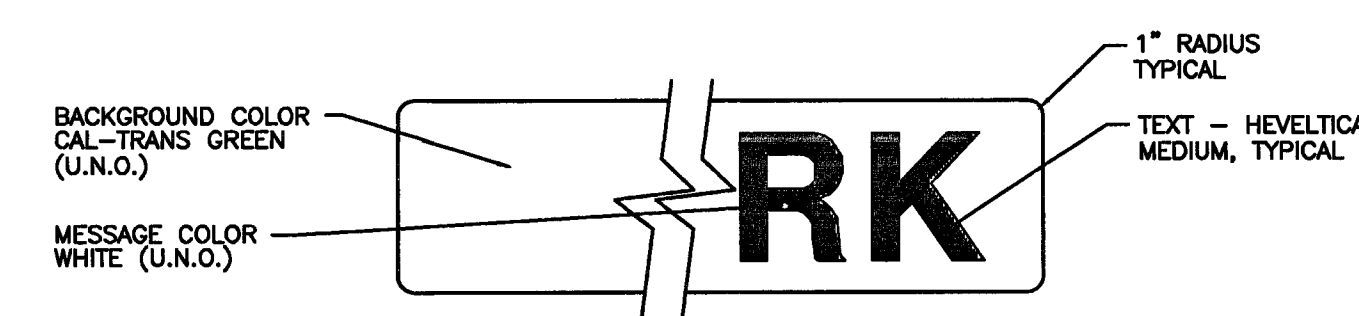
2 DISABLED STALL SIGNS
 SCALE: 1" = 1'-0"



1 DISABLED STALL SIGNS
 SCALE: 1/2" = 1'-0"



7 STENCIL PAINTED COLUMN SIGNS
 SCALE: 1" = 1'-0"



4 TYPICAL SIGN DETAILING
 SCALE: 1" = 1'-0"

3 INFORMATIONAL SIGN SCHEDULE
 SCALE: NONE

GENERAL NOTES

SECTION 1: GENERAL

- 1-1 CODE OF REFERENCE: ALL WORK SHALL CONFORM TO THE STANDARDS OF THE LATEST EDITION OF THE 2001 CALIFORNIA BUILDING CODE, ASTM STANDARDS REFERENCED ON THESE DRAWINGS SHALL BE OF THE LATEST EDITION.
- 1-2 STRUCTURAL OBSERVATION: STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEM IN ACCORDANCE WITH CBC SECTION 1702. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
- A FINAL OBSERVATION REPORT MUST BE SUBMITTED SHOWING THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND THE STRUCTURAL SYSTEM GENERALLY CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT THE STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THE CORRECTION OF THE SPECIFIC DEFICIENCIES NOTED DURING NORMAL BUILDING AND DEPUTY INSPECTION.
- 1-3 SPECIAL INSPECTION: FULL-TIME SPECIAL INSPECTION PER SECTION 1701 OF THE CBC SHALL BE PROVIDED FOR THE FOLLOWING TYPES OF CONSTRUCTION:
- CONCRETE REINFORCING STEEL PRESTRESSING TENDONS CONCRETE BOLTS, EMBEDS, AND DRILLED ANCHORS WELDING OF STRUCTURAL OR REINFORCING STEEL STRUCTURAL MASONRY SPECIAL GRADING, EXCAVATING, AND FILLING CAISSONS
- THE SPECIAL INSPECTOR SHALL BE ACCEPTABLE TO THE STRUCTURAL ENGINEER AND BUILDING DEPARTMENT, SHALL BE ICBO QUALIFIED, AND THEIR EXPERIENCE SHALL BE COMMENSURATE WITH THIS TYPE OF PROJECT.
- 1-4 CONTRACTOR COORDINATION/VERIFICATION: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS. ANY DISCREPANCIES WITH THE SITE OR ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
- IF A PARTICULAR FEATURE OF CONSTRUCTION IS NOT FULLY SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS, THEN IT SHALL BE CONSIDERED TO BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN IN THE DESIGN DOCUMENTS, AND SHALL BE REVIEWED BY THE ARCHITECT.
- CONDITIONS NOTED IN THE DRAWINGS AS "EXISTING" SHALL BE FIELD VERIFIED BY THE CONTRACTOR. IF THERE ARE DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND NOT PROCEED WITH CONSTRUCTION UNTIL FURTHER DIRECTION IS PROVIDED.
- 1-5 CONSTRUCTION METHODS: THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND UNLESS SPECIFICALLY NOTED OTHERWISE, DO NOT SHOW THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE METHOD OF CONSTRUCTION, AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE PUBLIC.
- 1-6 OPENINGS IN STRUCTURAL ELEMENTS: OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS, BEAMS, COLUMNS, WALLS, FOOTINGS, ETC., UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE SIZES AND LOCATIONS OF ALL OPENINGS, POCKETS, ETC. TO BE DRILLED, CORED OR CUT IN SLABS, BEAMS, COLUMNS, WALLS, FOOTINGS, ETC. PRIOR TO INSTALLATION. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO AVOID DAMAGING CONCRETE OR MASONRY REINFORCEMENT.
- 1-7 DESIGN CRITERIA: THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING CRITERIA:
- SEISMIC ZONE: 3
 - SEISMIC FACTORS: $R=8.5$ NORTH-SOUTH, $R=5.5$ EAST-WEST, $I=1.0$
 - SOIL PROFILE TYPE: Sd
 - WIND SPEED: 70 MPH
 - WIND EXPOSURE: B
 - LIVE LOADS:50 PSF REDUCIBLE
 - PARKING LEVELS:
- 1-8 TYPICAL DETAILS: SEE SHEETS S3.0, S4.1, S4.2, S4.3, S4.4 AND S4.5.
- 1-9 THESE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATIONS FOR THIS PROJECT. IF THERE ARE ANY DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STRUCTURAL ENGINEER AND NOT PROCEED WITH CONSTRUCTION UNTIL FURTHER DIRECTION OR CLARIFICATION IS PROVIDED BY THE STRUCTURAL ENGINEER. IN ALL CASES, STRUCTURAL DRAWINGS SHALL GOVERN.

SECTION 2: FOUNDATIONS

- 2-1 GEOTECHNICAL REPORT: FOUNDATIONS BASED ON RECOMMENDATIONS IN THE FOLLOWING REPORT:
- COMPANY: KLEINFELDER
- PROJECT NUMBER: 37415.001
- DATE: 08/11/04
AND LETTER DATED NOVEMBER 10, 2004
- 2-2 GRADING AND SITEWORK: ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- 2-3 GEOTECHNICAL ENGINEER'S REVIEW: THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FOLLOWING WORK, AND SUBMIT TO THE ARCHITECT AND BUILDING DEPARTMENT A LETTER OF COMPLIANCE:
- THE BUILDING PAD WAS PREPARED IN ACCORDANCE W/ THE SOILS REPORT
 - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED
 - THE FOUNDATION EXCAVATIONS COMPLY W/ THE INTENT OF THE SOILS REPORT
 - THE CAISSONS INSTALLATION COMPLIES W/ THE INTENT OF THE SOILS REPORT

SECTION 3: CONCRETE

- 3-1 MATERIALS:
- A. AGGREGATES: AGGREGATE FOR NORMAL-WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. COARSE AGGREGATE SIZE SHALL BE NO. 4/5 (1-1/2" TO NO. 4) OR NO. 5/7 (1" TO NO. 4) FOR FOOTINGS AND MASS CONCRETE, AND NO. 57 OR NO. 67 (3/4" TO NO. 4) FOR ALL OTHER CONCRETE. 3/8" AGGREGATE MAY BE USED WITH THE ENGINEER'S REVIEW.
- AGGREGATES SHALL NOT CONTAIN MATERIAL WHICH ARE ALKALI REACTIVE AS DETERMINED BY ASTM C-227, 289 AND 295. IF TEST DATA IS UNAVAILABLE IN REGARDS TO ALKALI REACTIVE MATERIALS, PROVIDE CEMENT WITH A MAXIMUM ALKALI CONTENT LESS THAN 0.45% BY WEIGHT, OR PROVIDE FLY ASH PER NOTE 3-1.C.
- B. CEMENT: CEMENT SHALL CONFORM TO ASTM C-150, TYPE II OR TYPE II-LOW ALKALI. CEMENT IN CONTACT WITH SOIL OR IRRIGATION WATER SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
- C. FLY ASH: FLY ASH MAY BE USED TO OFFSET CEMENT ON A 1 TO 1 BASIS (BY WEIGHT). FLY ASH SHALL CONFORM TO ASTM C-618, CLASS F. MAXIMUM LOSS ON IGNITION SHALL NOT EXCEED 5.0% IF USED. CLASS F FLY ASH SHALL BE AT LEAST 20%, BUT NOT EXCEED 25% OF THE CEMENT PLUS FLY ASH BY WEIGHT AND SHALL CONTAIN A MAXIMUM OF 7% CALCIUM OXIDE.
- D. ADMIXTURES: NO ADMIXTURE MAY CONTAIN CALCIUM CHLORIDE, OR MORE THAN 0.05% CHLORIDE IONS.
- 3-2 MIX DESIGNS:
- A. SUBMITTALS: ALL CONCRETE MIX DESIGNS SHALL BE PREPARED BY AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA, AND STAMPED & SIGNED. COPIES SHALL BE SENT TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
- COMPRESSIVE STRENGTH TESTS SHALL ALSO INCLUDE TEST RESULTS FOR SLUMP AND ENTRAINED AIR (IF SPECIFIED), AND SHALL BE SENT TO THE ENGINEER FOR REVIEW.
- B. MIX REQUIREMENTS: ALL CONCRETE SHALL CONTAIN A WATER REDUCING ADMIXTURE, AND A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD.
- ALL CONCRETE IN ELEVATED SLABS AND BEAMS SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.45.
- 3-3 PERFORMANCE REQUIREMENTS:
- | ITEM | STRENGTH (PSI) | DAYS |
|--|----------------|------|
| ELEVATED SLABS AND BEAMS: | 4500 | 28 |
| | 3000 | 3 |
| PRECAST BEAMS: | PER SUPPLIER | |
| SHEAR WALLS: | 5000 | 28 |
| COLUMNS: | PER SCHEDULE | |
| PILECAPS: | 4000 | 28 |
| MOMENT FRAME GRADE BEAMS: | 4000 | 28 |
| SLAB-ON-GRADE: | 3000 | 28 |
| ALL OTHER CONCRETE, UNLESS SPECIFICALLY NOTED: | 3000 | 28 |
- B. SLUMP: 4" +/- 1".
- C. CONCRETE DENSITY: 150 PCF MAXIMUM
- D. SHRINKAGE: SHRINKAGE AT 28 DAYS (PER ASTM C-157) SHALL NOT EXCEED 0.055% FOR DRY CURING.
- E. MINIMUM CONCRETE SPLITTING TENSILE STRENGTH SHALL BE 390 PSI.

- 3-4 COMPRESSION TEST SAMPLES: SAMPLES SHALL BE PER CBC SECTION 1905.6, "EVALUATION AND ACCEPTANCE OF CONCRETE". EACH SAMPLE SHALL CONTAIN AT LEAST FOUR CYLINDERS, INCLUDING ONE FOR TESTING AT SEVEN DAYS AND TWO AT 28 DAYS. IF THE 28 DAY RESULTS ARE BELOW THE MINIMUM SPECIFIED 28 DAY STRENGTH, THE EXTRA CYLINDER SHALL BE TESTED AT 56 DAYS.
- 3-5 CONSTRUCTION JOINTS: THE HARDENED CONCRETE SURFACE AT CONSTRUCTION JOINTS SHALL HAVE A ROUGHNESS OF 1/4" AMPLITUDE, UNLESS SPECIFICALLY NOTED.
- 3-6 EMBEDDED ITEMS: ALL REBAR, PRESTRESSING TENDONS, ANCHOR BOLTS, STEEL EMBEDS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED PRIOR TO PLACING CONCRETE. STEEL EMBEDS SHALL CONTAIN DRILLED HOLES FOR NAILS OR BOLTS FOR PLACEMENT.
- 3-7 CHAMFERS: ALL PROJECTING CORNERS OF BEAMS, SLABS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 3-8 CONCRETE PUMP HOSES: PROVIDE INDEPENDENT SUPPORTS SO HOSES DO NOT REST ON SLAB REINFORCEMENT.
- 3-9 SLAB CONDUIT: UNLESS SPECIFICALLY NOTED OTHERWISE, CONDUIT OR EMBEDDED PIPE SIZE (OUTSIDE DIAMETER) SHALL NOT EXCEED 1/3 OF THE SLAB THICKNESS, AND SHALL BE LOCATED WITHIN THE CENTER 1/3 OF THE SLAB. CONDUIT AND PIPES SHALL BE SPACED AT LEAST THREE DIAMETERS ON CENTER (USE LARGEST DIAMETER).

SECTION 4: PRECAST CONCRETE

- 4-1 SUBMITTALS:
- A. BEAMS AND GRIDDERS: CALCULATIONS AND SHOP DRAWINGS FOR BEAMS AND GRIDDERS, STAMPED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA, SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION.
- B. SHOP DRAWINGS: SHOP DRAWINGS SHALL BE SUBMITTED FOR THE ARCHITECT'S AND ENGINEER'S REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW MEMBER DIMENSIONS, REINFORCEMENT, REVEALS, AND INSERT LOCATIONS. MEMBERS SHALL NOT BE ERRECTED UNTIL THE REVIEWED SHOP DRAWINGS ARE RECEIVED IN THE FIELD.
- C. FIELD RECORDS: COPIES OF STRESSING FORCES, TENDON ELONGATIONS, CONCRETE COMPRESSION TESTS AND CONCRETE SLUMP FOR EACH DAY'S POUR AND FOR EACH TYPE OF UNIT SHALL BE SENT TO THE ENGINEER.
- 4-2 FABRICATION SHOP: ALL FABRICATION SHALL BE DONE IN A SHOP THAT IS ACCEPTABLE TO THE BUILDING DEPARTMENT. SPECIAL INSPECTION IS NOT REQUIRED AT MANUFACTURER'S PLANT THAT MEET THE REQUIREMENTS OF CBC SECTION 1701.7
- 4-3 CONSTRUCTION DESIGN: DESIGN OF ADDITIONAL REINFORCEMENT, INSERTS, ETC. REQUIRED FOR LIFTING AND HANDLING OPERATIONS SHALL BE PROVIDED BY THE PRECAST MEMBER FABRICATOR.
- 4-4 SHORED CONSTRUCTION: ALL BEAMS SHALL BE SHORED AT THIRD POINTS AND ALL GRIDDERS SHALL BE SHORED AT EACH SUPPORTED BEAM LOCATION. SHORES SHALL BE INSTALLED SING BEFORE CONCRETE IS PLACED, AND NOT BE REMOVED UNTIL THE CONCRETE HAS ATTAINED 3000 PSI. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SHORES.

SECTION 5: MASONRY

- 5-1 CONCRETE MASONRY UNITS: UNITS SHALL CONFORM TO CBC STANDARD 21-4, GRADE N, TYPE I, AND SHALL BE SINGLE OR DOUBLE OPEN END BOND BEAM UNITS.
- 5-2 COMPRESSION STRENGTH: COMPRESSION STRENGTH OF INDIVIDUAL ELEMENTS OF CMU CONSTRUCTION SHALL EQUAL OR EXCEED THE SPECIFIED OVERALL FM.
- OVERALL FM: 1500 PSI.
 - GROUT: 2000 PSI MINIMUM AT (28) DAYS.
 - MORTAR (TYPE S): 1800 PSI MINIMUM AT (28) DAYS.
- 5-3 COMPRESSION TESTING: FM SHALL BE DETERMINED BY PRISM TESTING PER CBC SECTION 2105.3.
- 5-4 GROUTING REQUIREMENTS:
- GROUT EXTENT: FILL ALL CELLS.
 - HIGH-LIFT PROCEDURE: FOR BLOCK LIFTS OVER FIVE FEET, PROVIDE CLEANOUTS AT EVERY BOTTOM CELL. TOTAL GROUT LIFT SHALL NOT EXCEED 6'-0", AND TOTAL POUR DEPTH SHALL NOT EXCEED CBC TABLE 21-C.
 - ALL GROUT SHALL CONTAIN "GROUT AID" OR EQUAL.
- 5-5 REINFORCING STEEL: SEE SECTION 6, "REINFORCING STEEL", EXCLUDING CLEAR COVERAGE REQUIREMENTS. REBAR POSITIONERS ARE REQUIRED PER 2/S4.5.
- 5-6 REBAR LAPS: LAP THE GREATER OF 60 BAR DIAMETERS OR 2'-0", UNLESS SPECIFICALLY NOTED.
- 5-7 ANCHORS: LOCATE ANCHOR BOLTS AND SLEEVE ANCHORS WITHIN 2" OF THE CENTER OF A CELL.
- 5-8 SHOP DRAWINGS: MASONRY CONTRACTOR SHALL PROVIDE REBAR SHOP DRAWINGS.

SECTION 6: REINFORCING STEEL

- 6-1 MATERIALS: REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60. MOMENT FRAME AND SHEAR WALL CHORD REINFORCING (EXCLUDING TIES) SHALL BE ASTM A-706 OR SHALL MEET THE FOLLOWING REQUIREMENTS:
- ACTUAL YIELD STRENGTH SHALL NOT EXCEED SPECIFIED YIELD STRENGTH BY MORE THAN 18 KSI (RETESTS SHALL NOT EXCEED THIS VALUE BY AN ADDITIONAL 3 KSI)
 - THE RATIO OF THE ACTUAL TENSILE ULTIMATE STRENGTH TO THE ACTUAL TENSILE YIELD STRENGTH SHALL NOT EXCEED 1.25
- REINFORCING STEEL THAT IS TO BE WELDED SHALL CONFORM TO ASTM A-706, UNLESS SPECIFICALLY NOTED OTHERWISE. OTHER GRADES, IF ALLOWED, SHALL HAVE A MAXIMUM CARBON EQUIVALENT OF 0.65%. WELDING ELECTRODES SHALL BE LOW-HYDROGEN, AND SHALL BE E60XX FOR 60 GRADE REINFORCING STEEL, AND E70XX FOR 40 GRADE.
- WIRE MESH SHALL CONFORM TO ASTM A-185.
- 6-2 SHOP DRAWINGS: NO REINFORCING STEEL SHALL BE PLACED UNTIL SHOP DRAWINGS THAT HAVE BEEN REVIEWED BY THE ENGINEER HAVE BEEN RECEIVED ON THE JOB SITE.
- SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION NECESSARY FOR CORRECTLY PLACING ALL REINFORCING STEEL WITHOUT REFERRAL TO THE STRUCTURAL DRAWINGS. SHOP DRAWINGS SHALL NOT CONTAIN ANY REPRODUCTIONS OF THE STRUCTURAL DRAWINGS.
- 6-3 CLEAR COVERAGE: CONCRETE CLEAR COVERAGE TO REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING MINIMUMS, UNLESS SPECIFICALLY NOTED OTHERWISE:
- CAST-IN-PLACE CONCRETE:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO SOIL - 3"
 - CONCRETE WITH SOIL OR WEATHER EXPOSURE:
 - #5 BARS AND SMALLER - 1 1/2"
 - #6 BARS AND LARGER - 2"
 - CONCRETE WITHOUT SOIL OR WEATHER EXPOSURE:
 - SLABS AND WALLS
 - #11 BARS AND SMALLER - 3/4"
 - #14 BARS AND LARGER - 1 1/2"
 - COLUMNS AND BEAMS - TO PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS - 1 1/2"
 - PRECAST CONCRETE (PLANT CONTROL CONDITIONS):
 - CONCRETE WITH SOIL OR WEATHER EXPOSURE:
 - WALL PANELS:
 - #11 BARS AND SMALLER - 3/4"
 - #14 BARS AND LARGER - 1 1/2"
 - OTHER MEMBERS:
 - #5 BARS AND SMALLER - 1 1/4"
 - #6 THRU #11 BARS - 1 1/2"
 - #14 BARS AND LARGER - 2"
 - PRESTRESSED CONCRETE:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO SOIL - 3"
 - CONCRETE WITH SOIL OR WEATHER EXPOSURE:
 - WALL PANELS, SLABS, JOISTS - 1"
 - OTHER MEMBERS - 1 1/2"
 - CONCRETE WITHOUT SOIL OR WEATHER EXPOSURE:
 - SLABS, WALLS, AND JOISTS - 3/4"
 - COLUMNS AND BEAMS:
 - TIES, STIRRUPS, AND SPIRALS - 1"
 - PRIMARY REINFORCEMENT - 1 1/2"
- 6-4 LAP SPLICES: REINFORCING BARS SHALL BE LAPPED AT LENGTHS AND LOCATIONS SHOWN ON THE DRAWINGS. ADDITIONAL LAPS SHALL BE REVIEWED BY THE ENGINEER.
- WIRE MESH SHALL BE LAPPED ONE WIRE SPACE PLUS 2" (8" MINIMUM) BETWEEN OUTERMOST CROSS WIRES OF ADJACENT SHEETS.
- 6-5 FIELD BENDING: FIELD BENDING OF REINFORCING BARS SHALL BE REVIEWED BY THE ENGINEER. BENDING OF #8 BARS AND SMALLER SHALL BE MADE COLD. BENDING OF #9, #10, AND #11 BARS MAY BE UNIFORMLY PREHEATED TO 1400 TO 1600 DEGREES F, AND BENT PER CRSI RECOMMENDATIONS.

SECTION 10: POST-TENSIONED CONCRETE

- 10-1 MATERIALS:
- TENDONS: PRESTRESSING TENDONS SHALL BE UNCOATED, SEVEN-WIRE LOW RELAXATION STEEL STRAND, AND SHALL CONFORM TO ASTM A-416, GRADE 270. TENDONS SHALL BE 1/2" NOMINAL DIAMETER, WITH AN AREA OF 0.153 SQUARE INCHES.
 - HARDWARE: ANCHORAGE AND COUPLING HARDWARE SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND THE POST-TENSIONING INSTITUTE'S GUIDELINE SPECIFICATIONS.
 - MISCELLANEOUS: SHEATHING, GREASE, TAPE, ETC. SHALL CONFORM TO THE REQUIREMENTS OF PTI SPECIFICATIONS.
- 10-2 SUBMITTALS:
- SHOP DRAWINGS: LAYOUT AND SUPPORT BAR SHOP DRAWINGS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW PRIOR TO FABRICATION. LAYOUT DRAWINGS SHALL INDICATE ALL TENDONS THAT ARE TO BE STRESSED FROM ONLY ONE END. FIELD PLACEMENT SHALL NOT BEGIN UNTIL THE REVIEWED SHOP DRAWINGS ARE RECEIVED IN THE FIELD.
- SHOP DRAWINGS SHALL NOT CONTAIN ANY REPRODUCTIONS OF THE STRUCTURAL DRAWINGS. SHOP DRAWINGS SHALL BE COMPLETE AND STAND ALONE, SUCH THAT THEY DO NOT REFER TO THE STRUCTURAL DRAWINGS.

SECTION 10: POST-TENSIONED CONCRETE (CONT)

- 10-3 INSTALLATION:
- TYPICAL DETAILS: FOR POST-TENSIONING DETAILS, SEE SHEET S4.2
 - SUPPORT BARS: SUPPORT BARS SHALL BE #4 OR LARGER AND SPACED AT A MAXIMUM OF 3'-0" ON CENTER, WITH 2'-0" MINIMUM LAP SPLICES.
 - TENDON SECURING: TENDONS AND SUPPORT BARS SHALL BE FIRMLY ANCHORED TO PREVENT DISPLACEMENT FROM SPECIFIED VERTICAL AND HORIZONTAL POSITIONS. ALL SUPPORT BARS SHALL BE CHAIRC AT EACH TENDON.
 - TENDONS AT COLUMNS: IN FLAT PLATE CONSTRUCTION, A MINIMUM OF TWO TENDONS SHALL BE PLACED OVER EACH COLUMN IN EACH DIRECTION. IN CASE OF CONFLICT, TENDON VERTICAL ORIGINATES FOR Banded TENDONS SHALL GOVERN OVER DISTRIBUTED TENDONS.
 - TENDON INTERFERENCE: WHEN PERPENDICULAR TENDONS REQUIRE THE SAME VERTICAL ORIGINATE AT THE SAME LOCATION, ONE TENDON MAY BE MOVED HORIZONTALLY TO AVOID THE INTERFERENCE.
 - THE SPECIFIED TENDON PROFILE GOVERNS WHEN REBAR OR CONDUITS INTERFERE WITH ANY TENDONS.
 - SHEATHING REPAIR: ANY SHEATHING DAMAGE LONGER THAN ONE INCH SHALL BE REPAIRED AND ALL SHEATHING TO STRESSING ANCHOR CONNECTIONS SHALL BE WRAPPED WITH TAPE TO PREVENT CEMENT SEEPAGE INTO THE TENDON OR ANCHOR.
 - TENDON BAND ANCHORAGE: TENDON BANDS (GROUPS OF 3 OR MORE) REQUIRE SPECIAL SLAB REINFORCEMENT, SEE DETAIL S/54.2.
 - CLEAR COVER: TENDONS SHALL CLEAR OPENINGS PER DETAIL 6/S4.2.
- 10-4 STRESSING:
- OPERATOR EXPERIENCE: ALL STRESSING OPERATIONS SHALL BE PERFORMED UNDER THE IMMEDIATE CONTROL OF A PERSON EXPERIENCED IN THIS TYPE OF WORK.
 - CONCRETE STRENGTH: STRESSING SHALL NOT COMMENCE UNTIL THE CONCRETE HAS REACHED AT LEAST 3000 PSI, AS INDICATED BY FIELD CURED COMPRESSION CYLINDERS.
 - CALIBRATION: EACH HYDRAULIC JACK SHALL BE CALIBRATED WITH AN ACCURATE READING PRESSURE GAUGE. EACH UNIT SHALL HAVE A CERTIFIED CALIBRATION SHEET. IF THE MEASURED ELONGATIONS BECOME INCONSISTENT, THE UNIT SHALL BE RECALIBRATED.
 - JACKING FORCE: THE MAXIMUM JACKING FORCE SHALL NOT EXCEED 80% OF THE TENDON'S SPECIFIED TENSILE FORCE, NOR 94% OF THE TENDON'S SPECIFIED YIELD FORCE. THE MAXIMUM FORCE IN THE TENDON AFTER ANCHORAGE SHALL BE 70% OF THE SPECIFIED TENSILE FORCE.
 - ELONGATIONS: THE MEASURED TENDON ELONGATIONS SHALL BE WITHIN 7% OF THE CALCULATED ELONGATIONS, OR WITHIN 1/8" FOR SHORT TENDONS. IF THE ELONGATIONS CONSISTENTLY EXCEED THIS LIMIT, RECALIBRATE THE JACK UNIT.
 - STRESSING SEQUENCE:
 - ALL TEMPERATURE TENDONS
 - ALL THROUGH SLAB (DISTRIBUTED) TENDONS.
 - TWO-WAY TENDON PULLS: FULL JACK FORCE SHALL BE APPLIED AT EACH END OF A TWO-WAY PULL, THE ANCHOR WEDGES AT THE OPPOSITE END OF THE PULL MUST BE FULLY SEATED AND CAUSE NO TENDON SLIPPAGE. THE TOTAL TENDON ELONGATION IS THE SUM OF THE ELONGATIONS AT EACH END.
 - SAFETY: TAKE ALL NECESSARY SAFETY PRECAUTIONS. DO NOT ALLOW ANYBODY TO STAND BEHIND JACKS DURING STRESSING.
- 10-5 TENDON DAMAGE: NO DRILLING, CORING, OR POWDER SHOTS SHALL BE PLACED IN THE POST-TENSIONED SLAB THAT MAY DAMAGE OR CONTACT ANY TENDONS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL SLAB PENETRATIONS WITH TENDON DAMAGE POTENTIAL.

SECTION 20: MISCELLANEOUS

- 20-1 NON-SHRINK GROUT: NON-SHRINK GROUT SHALL BE A NON-METALLIC, PREMIXED, CEMENTITIOUS MIXTURE WITH NO SHRINKAGE AFTER PLACEMENT AND NO EXPANSION AFTER SET, PER ASTM C-827. COMPRESSIVE STRENGTH, PER ASTM C-109, SHALL BE AT LEAST 3000 PSI AT ONE DAY AND 5000 PSI AT 28 DAYS.
- 20-2 EXPANSION ANCHORS: EXPANSION ANCHORS IN CONCRETE SHALL BE RAMSET/REDHEAD TRUBOLT WEDGE ANCHORS OR EQUAL. EXPANSION ANCHORS IN MASONRY SHALL BE RAMSET/REDHEAD DYNABOLT SLEEVE ANCHORS OR EQUAL.
- 20-3 EPOXY/ADHESIVE ANCHORS: EPOXY ADHESIVE ANCHORS IN CONCRETE OR CMU SHALL BE RAMSET/REDHEAD EPOON SYSTEM ANCHORS OR EQUAL.
- 20-4 STEEL STAIRS: STEEL STAIRS SHALL BE DESIGNED BY THE STAIR FABRICATOR PER THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS AND THE CBC FOR A 100 PSF LIVE LOAD. CALCULATIONS AND SHOP DRAWINGS, STAMPED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA, SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO STAIR FABRICATION.
- 20-5 EXTERIOR FACADE: EXTERIOR FACADE SHALL BE DESIGNED BY THE STAIR FABRICATOR PER THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS AND THE CBC. CALCULATIONS AND SHOP DRAWINGS, STAMPED AND SIGNED BY AN ENGINEER LICENSED IN THE STATE OF CALIFORNIA, SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO STAIR FABRICATION.
- 20-6 GENERAL CONTRACTOR SHALL KEEP A DIGITAL CAMERA ON-SITE AND PROVIDE PHOTOGRAPHS REQUESTED BY THE STRUCTURAL ENGINEER WITHIN TWO WORKING DAYS VIA ELECTRONIC MAIL.
- 20-7 DEFERRED SUBMITTALS SHALL BE REVIEWED BY THE ENGINEER OF RECORD PRIOR TO BEING SUBMITTED TO THE BUILDING DEPARTMENT AND SHALL INCLUDE THE FOLLOWING:
- PRECAST CONCRETE BEAMS: SEE SECTION 4 ON SHEET S1.0.
 - STEEL STAIRS: SEE NOTE 20-4 ON SHEET S1.0.
 - EXTERIOR FACADES AND CANOPIES: SEE NOTE 20-5 ON SHEET S1.0.

ABBREVIATIONS

AB	ANCHOR BOLT	COL	COLUMN	EN	EDGE NAILING	H&L	HIGH AND LOW	MFR	MANUFACTURER	PLYWD	PLYWOOD	SWWR	STRUCTURAL WELDED WIRE REINFORCEMENT
ADD'L	ADDITIONAL	CONC	CONCRETE	EQ	EQUAL	HDR	HEADER	MIN	MINIMUM	PLCS	PLACES	SYM	SYMMETRICAL
ADJ	ADJACENT	CONN	CONNECTION	ES	EACH SIDE	HORIZ (H)	HORIZONTAL	MISC.	MISCELLANEOUS	PP	PARTIAL PENETRATION	T&B	TOP & BOTTOM
ALT	ALTERNATE	CONSTR	CONSTRUCTION	EXIST (E)	EXISTING	HSB	HIGH STRENGTH BOLTS	MTL	METAL	P/T	PRESSURE TREATED	T O (P)	TOP OF (PLYWOOD)
ANC	ANCHOR	CONT	CONTINUOUS	EXP	EXPANSION	ID	INSIDE DIAMETER	(N)	NEW	P/C	PRECAST CONCRETE	TOP	TOP-OF-CONCRETE
ARCH	ARCHITECTURAL	CONTR	CONTRACTOR	EXT	EXTERIOR	INT	INTERIOR	NOM	NOMINAL	P/T	POST-TENSIONED	TOT	TOP-OF-FOOTING
BLDG	BUILDING	CP	COMPLETE PENETRATION	EW	EACH WAY	JST	JOIST	NS	NEAR SIDE	REIN	REINFORCEMENT	TOS	TOP-OF-STEEL
BLKG	BLOCKING	CTR	CENTER	FF	FINISH FLOOR	JT	JOINT	NSA	NELSON STUD ANCHOR	REQ'D	REQUIRED	TOW	TOP-OF-WALL
BM	BEAM	CTSK	COUNTERSINK	FIN	FINISH	K	KIPS	NOT TO SCALE	NOT TO SCALE	SC	SLIP CRITICAL	TYP	TYPICAL
BOT (B)	BOTTOM	DBA	DEFORMED BAR ANCHOR	FLR	FLOOR	L	ANGLE	OC	ON CENTER	SG	SHEATHING	UNO	UNLESS NOTED OTHERWISE
BTF	BEAT TO FIT	DIA	DIAMETER	FNDR	FOUNDATION	LLH	LONG LEG HORIZ.	OD	OUTSIDE DIAMETER	SIM	SIMILAR	VERT (V)	VERTICAL
BTWN	BETWEEN	DO	DIMTO	FOS	FACE OF STUD	LLV	LONG LEG VERT.	OH	OPPOSITE HAND	SOG	SLAB-ON-GRADE	WP	WORKPOINT
CCJ	CONTROL JOINT	DWL	DOWEL	FS	FAR SIDE	LNG	LONGITUDINAL	OPNG	OPENING	SSL	SHORT SLOTTED HOLES	W/F	WELDED WIRE FABRIC
CJ	CONSTRUCTION JOINT	EA	EACH	FTG	FOOTING	LSL	LONG SLOTTED HOLE	OVS	OVERSIZE ROUND HOLE	STD	STANDARD	W/O	WITHOUT
CLR	CLEAR	EF	EACH FACE	GA	GAGE	LXL	LONG SLOTTED HOLES	PDF	POWDER DRIVEN FASTENER	STIFF	STIFFENER		
CMU	CONCRETE MASONRY UNITS	EL	ELEVATION (DATUM)	GALV	GALVANIZED	MB	MACHINE BOLTS	PERP	PERPENDICULAR	STL	STEEL		
		ELEV	ELEVATION (VIEW) OR ELEVATOR	GLB	GLUE-LAM BEAM	MECH	MECHANICAL	PL	PLATE	SQ	SQUARE		

SHEET INDEX

S1.0	GENERAL NOTES, ABBREVIATIONS & SHEET INDEX	S3.0	PILECAPS & TYP CONCRETE DETAILS
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S2.2	LEVEL P-2	S3.2	FRAME BEAM ELEVATIONS
S2.3	LEVEL P-3	S3.3	CONCRETE DETAILS
S2.4	LEVEL P-4	S3.4	WALL ELEVATIONS
S2.5	LEVEL P-5	S4.1	DETAILS
S2.6	LEVEL P-6	S4.2	DETAILS
S2.10	PARTIAL PLANS	S4.3	DETAILS
		S4.4	ALTERNATE SLAB REINFORCING & BEAM TIES
		S4.5	TYPICAL MASONRY DETAILS
		S4.6	ELEVATOR ELEVATIONS
		S4.7	DETAILS

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101-83-16451-02

BERRYMAN & HENIGAR

APPROVED

DATE: _____

REVISIONS: _____

2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR

APPROVED

DATE: MAR-09-2005

EST. DATE: _____

SHEET TITLE

GENERAL NOTES ABBREVIATIONS & SHEET INDEX

DATE	SCALE
07/28/04	NONE

DRAWN BY	CHECKED BY
MDN	

DRAWING NO.	SHEET
	S1.0

PROGRAM NO.	R-NO.

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

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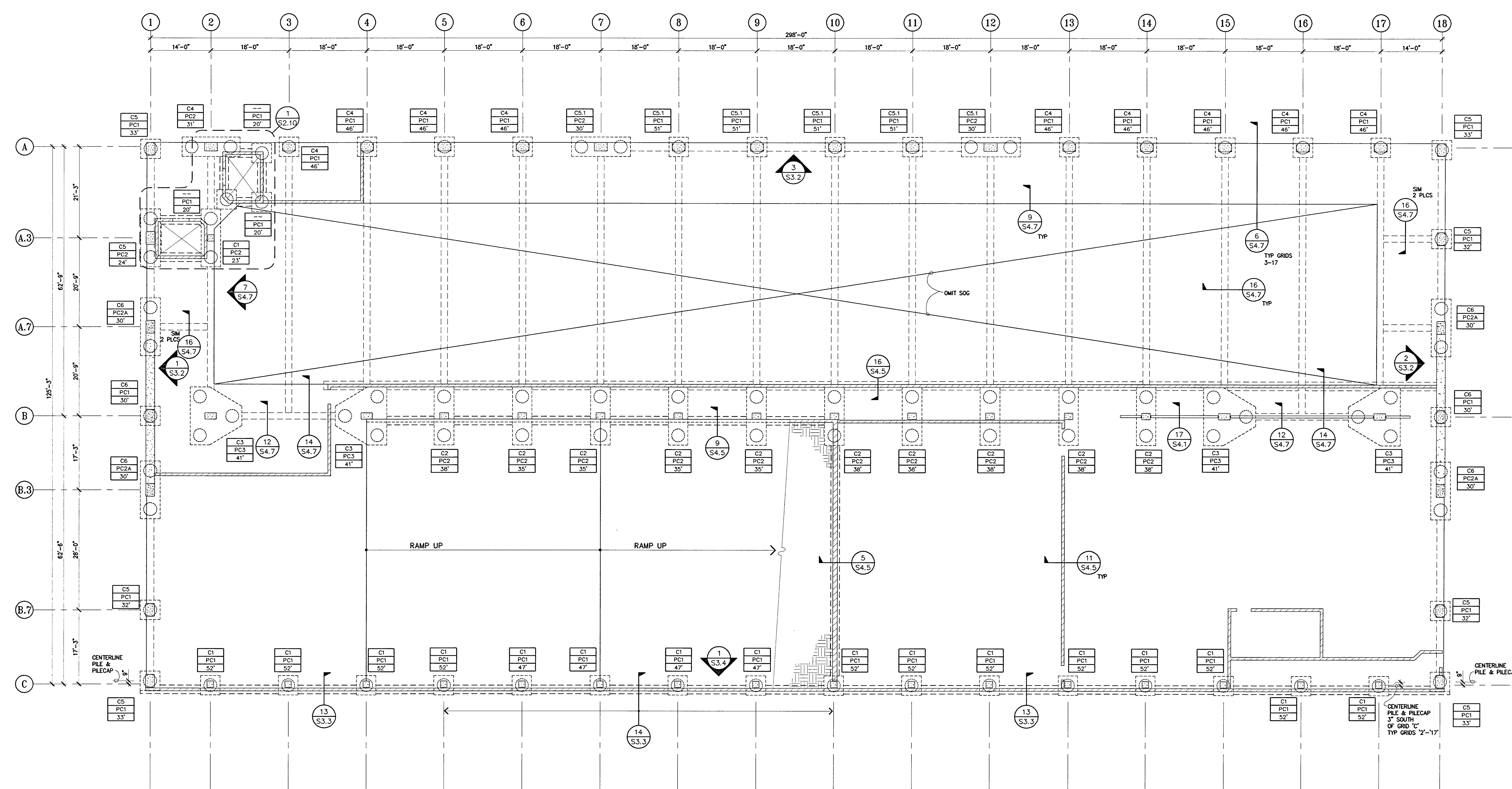
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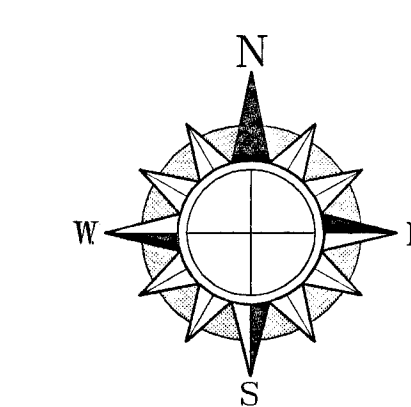
BERRYMAN & HENIGAR
APPROVED
DATE

REVISIONS:
2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR
APPROVED
MAR 09 2005
DATE



- NOTES**
1. SLABS ON GRADE SHALL BE 6" THICK W/ #4 AT 18" OC EW AT CENTERLINE. TYP. UNO HOOK ALL BARS AT SLAB EDGE OVER SUBGRADE PER SOILS REPORT. SEE DETAIL 9/54-1 FOR EOS, C/S, CURBS, ETC.
 2. SEE SOILS REPORT FOR SUBGRADE PREPARATION.
 3.
 - C2 - COLUMN MARK, SEE 1/S3.1
 - PC2 - PILECAP MARK, SEE S3.0
 - 35' - LENGTH OF CAISSON BELOW PILECAP
 4. VERIFY ALL DIMENSIONS, TOP OF SLAB, WALL, AND CURB ELEVATIONS AND LOCATIONS WITH ARCHITECT. SEE DETAIL 9/54.1.
 5. SEE SHEET S4.1 & S4.5 FOR TYPICAL DETAILS, UNO.
 6. GENERAL CONTRACTOR SHALL PROVIDE CONTROL & CONSTRUCTION JOINT LAYOUT PLAN FOR ENGINEER'S REVIEW PRIOR TO CONCRETE PLACEMENT.
 7. SEE ARCH DRAWINGS FOR STAIRS, TYP.



SHEET TITLE
LEVEL P-1

DATE 07/28/04	SCALE 3/32" = 1'-0"
DRAWN BY MDN	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-N.O.
DRAWING NO. S2.1	
PROJECT NO. HNA 2319	

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
 Architect - Parking Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670

Design Architect
Wesley Matthews Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

Structural Engineer
Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

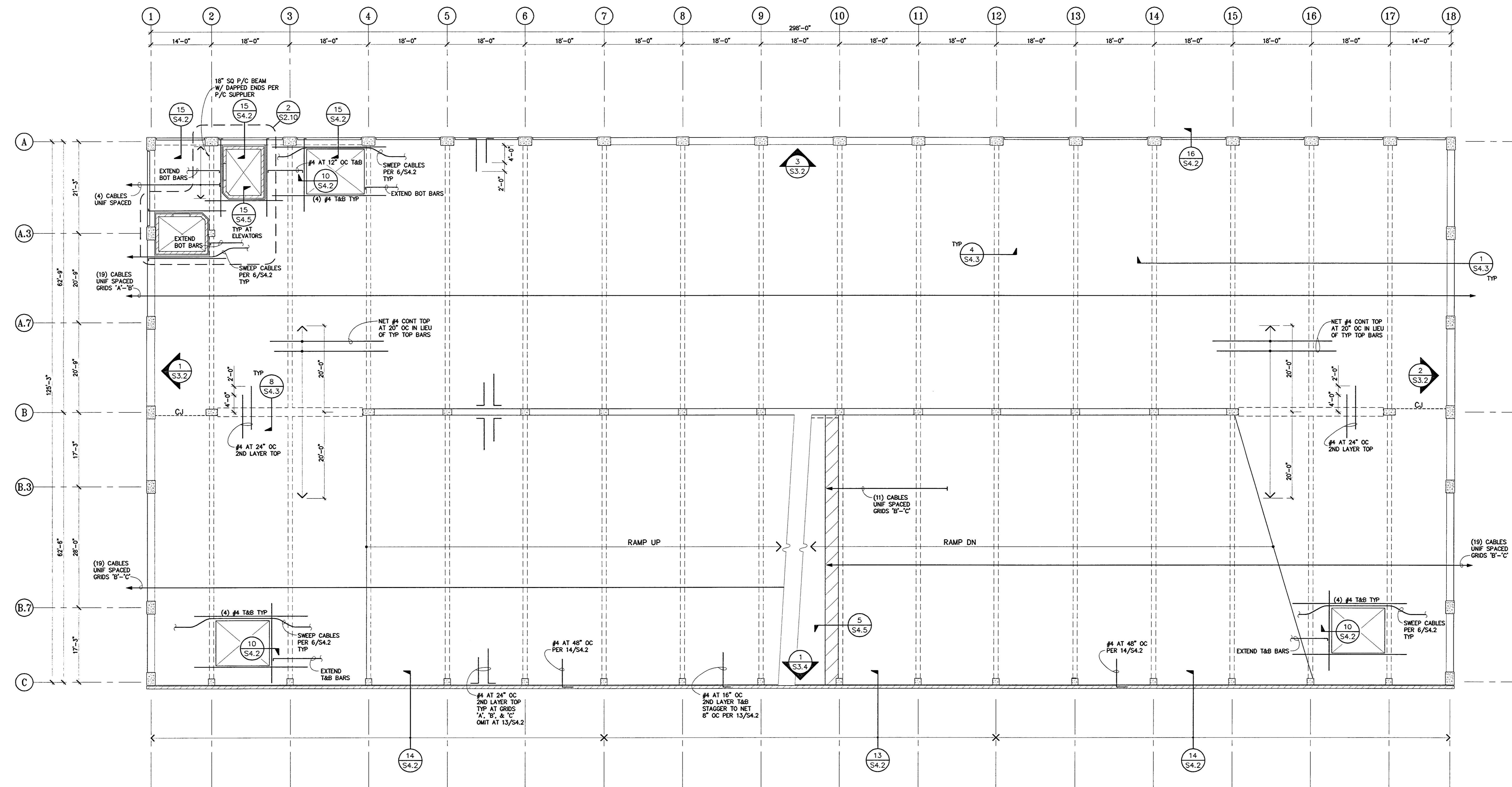
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601

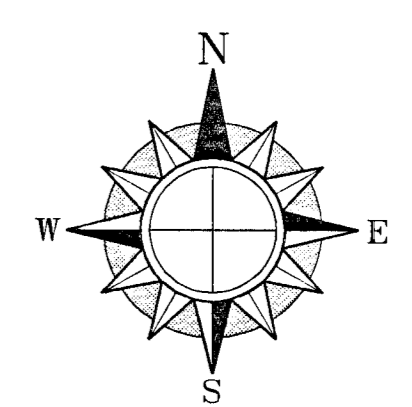
BERRYMAN & HENIGAR
APPROVED
 BY: [Signature] DATE: []

REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR
APPROVED
 MAR 09 2005
 BY: [Signature] DATE: []



- NOTES**
- SEE SHEET S1.0 FOR TYP P/T NOTES AND SHEETS S4.1 THRU S4.4 FOR TYPICAL CONCRETE AND P/T DETAILS.
 - SLABS SHALL BE 5" THICK.
 - VERIFY ALL TOP OF SLAB, WALL, STEP & CURB ELEVATIONS & LOCATIONS AND OPENING SIZES & LOCATIONS W/ ARCHITECT.
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 - B. OVER SUPPORTS AT 1" BELOW TOP OF SLAB.
 - C. AT MID SPAN AT 1" ABOVE SOFFIT OF SLAB.
 - D. "M" INDICATES TENDON ORDINATE MEASURED FROM BOTTOM OF BEAM.
 - E. ORDINATES SHOWN APPLY TO THE TENDONS PARALLEL TO ORDINATE INDICATOR TAIL.
 - PROVIDE EMBEDDED ITEMS AT STAIRS AND ELEVATORS AS REQUIRED BY MANUFACTURERS.
 - PROVIDE (1) #4 MIN TOP & BOTTOM ALONG ALL SLAB EDGES, INCLUDING CONSTRUCTION JOINTS, UNO AND EXTEND MIN 3'-0" BEYOND INSIDE SLAB EDGE CORNERS, UNO SPACE ALL TRIM BARS AT 4" OC WHERE MULTIPLE BARS OCCUR. EXTEND TRIM BARS 4'-0" BEYOND CORNERS, TYP.



SHEET TITLE
LEVEL P-2

DATE 07/28/04	SCALE 3/32" = 1'-0"
DRAWN BY MDN	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.
DRAWING NO: S2.2	
PROJECT NO: HNA 2319	

**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209.931.3738

CONSULTANTS:
Architect - Parking Consultant
HNA / Pacific
6155 Breeze Avenue
San Diego, California 92121
310.544.8670

Design Architect
Wenell Mattheis Bowe
246 E. Main Street
Stockton, California 95202
209.944.9110

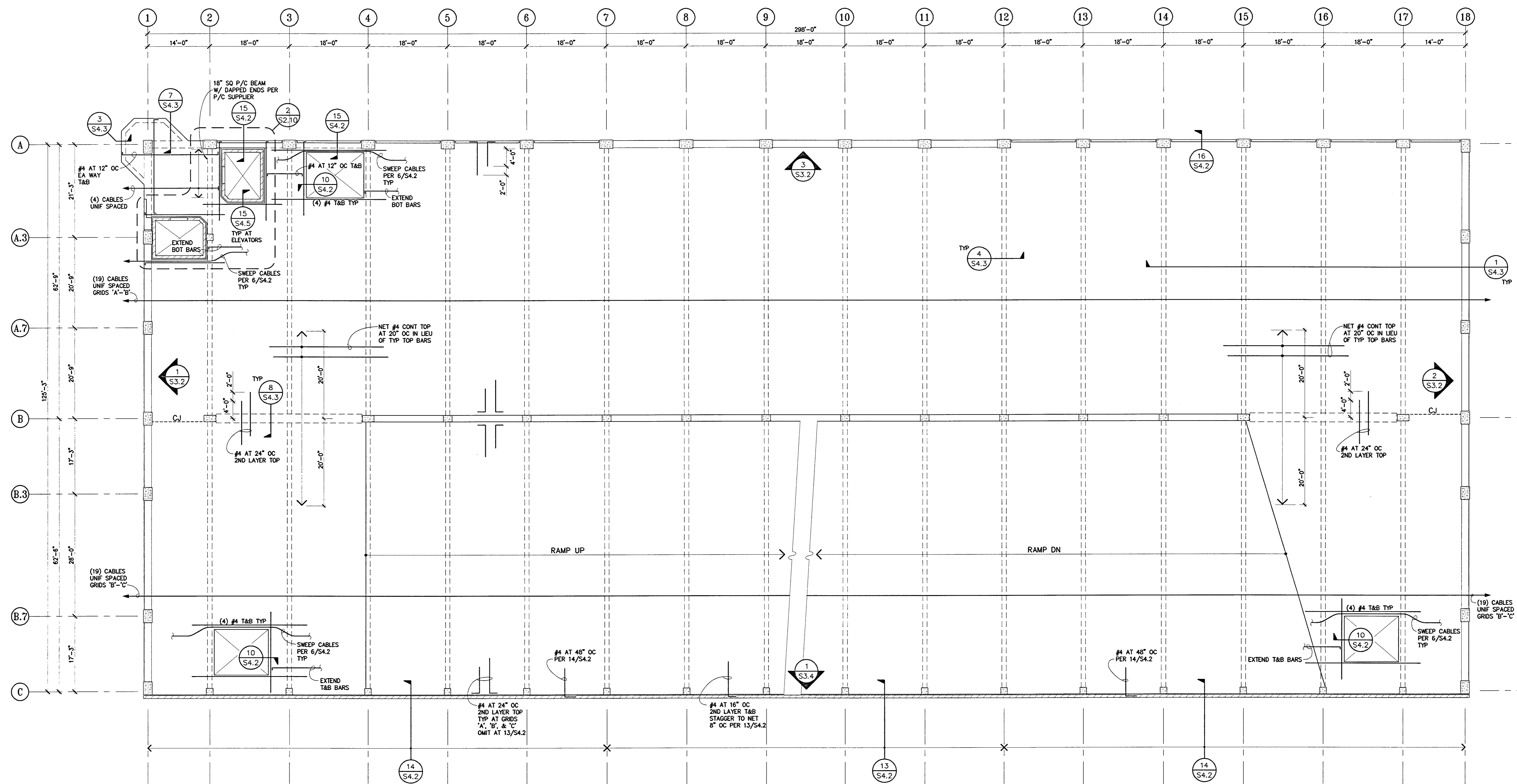
Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Orland, California 95966
530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209.943.2021

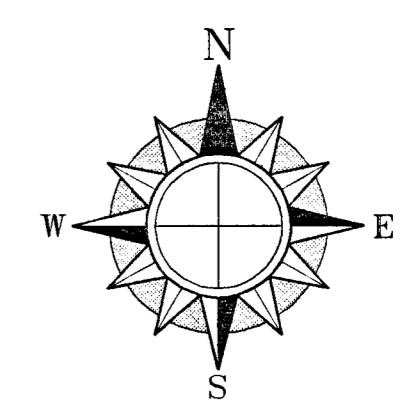
Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
1607 Turpin Road
Stockton, California 95201
209.466.4601



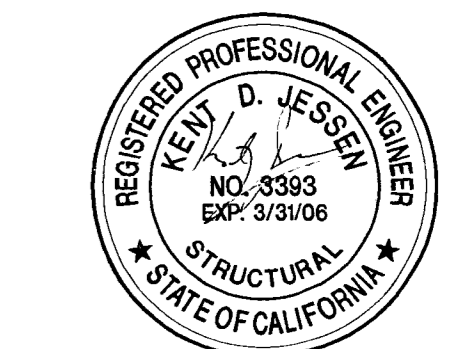
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REVISIONS:
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MAY 09 2005
BY: [Signature] DATE: [Blank]



SHEET TITLE LEVEL P-3	
DATE 07/28/04	SCALE 3/32" = 1'-0"
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DRAWING NO. S2.3	
PROJECT NO. HNA 2319	

CITY OF STOCKTON
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 STOCKTON, CALIFORNIA

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F&H Construction
 4945 Waterloo Road
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CONSULTANTS:
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HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310. 544. 8670

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Wenell Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209. 944. 9110

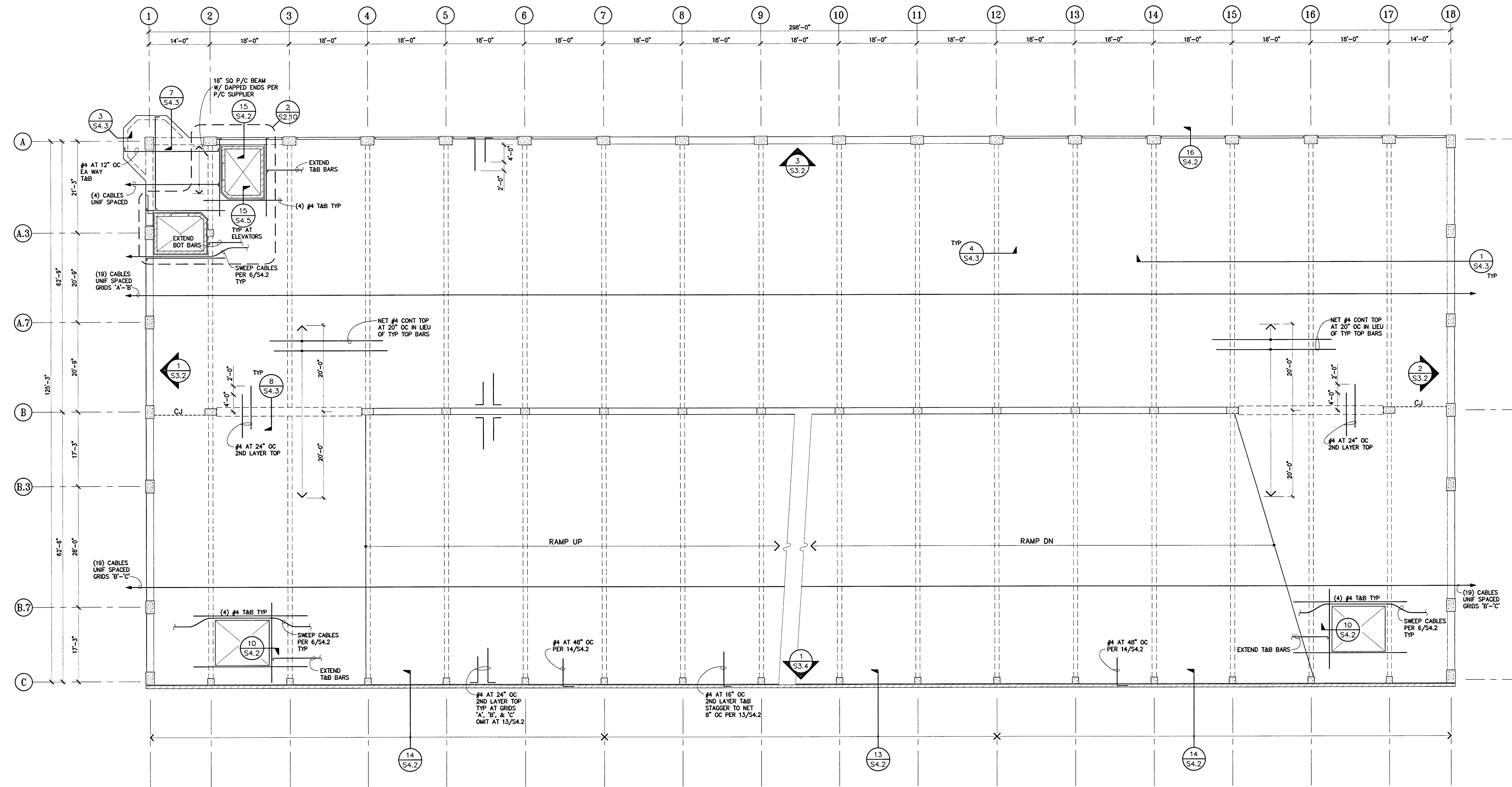
Structural Engineer
Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

Plumbing Designer - Design/Builder
FRIM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

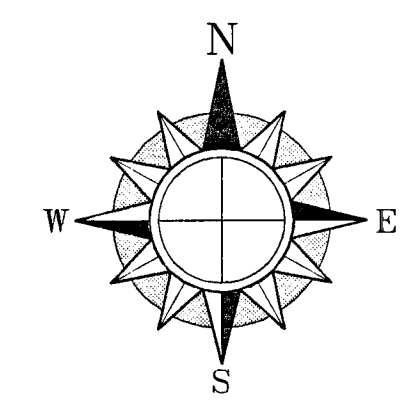
Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
Comfort Air
 1637 Turlock Road
 Stockton, California 95201
 209. 466. 4601



NOTES

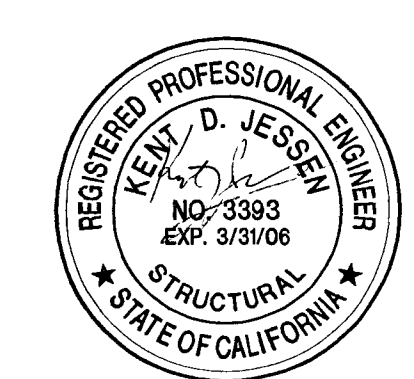
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BERRYMAN & HENIGAR
APPROVED
 DATE

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BERRYMAN & HENIGAR
APPROVED
 MAR 03 2005
 DATE



SHEET TITLE
LEVEL P-4

DATE 07/28/04	SCALE 3/32" = 1'-0"
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DRAWING NO.	SHEET
PROGRAM NO.	R.NO.

DRAWING NO.
S2.4

PROJECT NO.
 HNA 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4845 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
 Architect - Parking Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Folsom, California 95630
 310.544.8670

Design Architect
Wenell Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

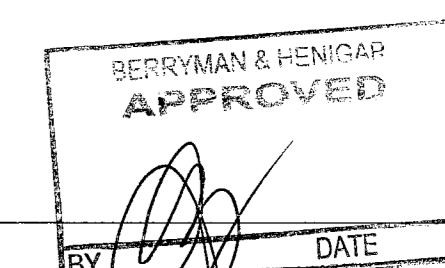
Structural Engineer
Jessen-Wright Structural Engineers
 713 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Corcoran Avenue
 Stockton, California 95204
 209.943.2021

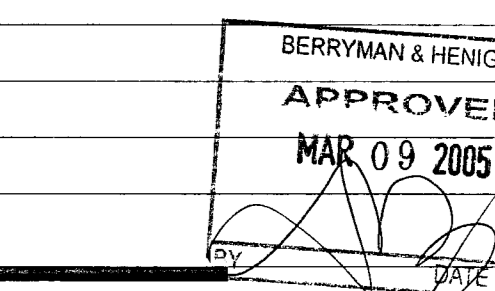
Plumbing Designer - Designer
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Designer
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Designer
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601



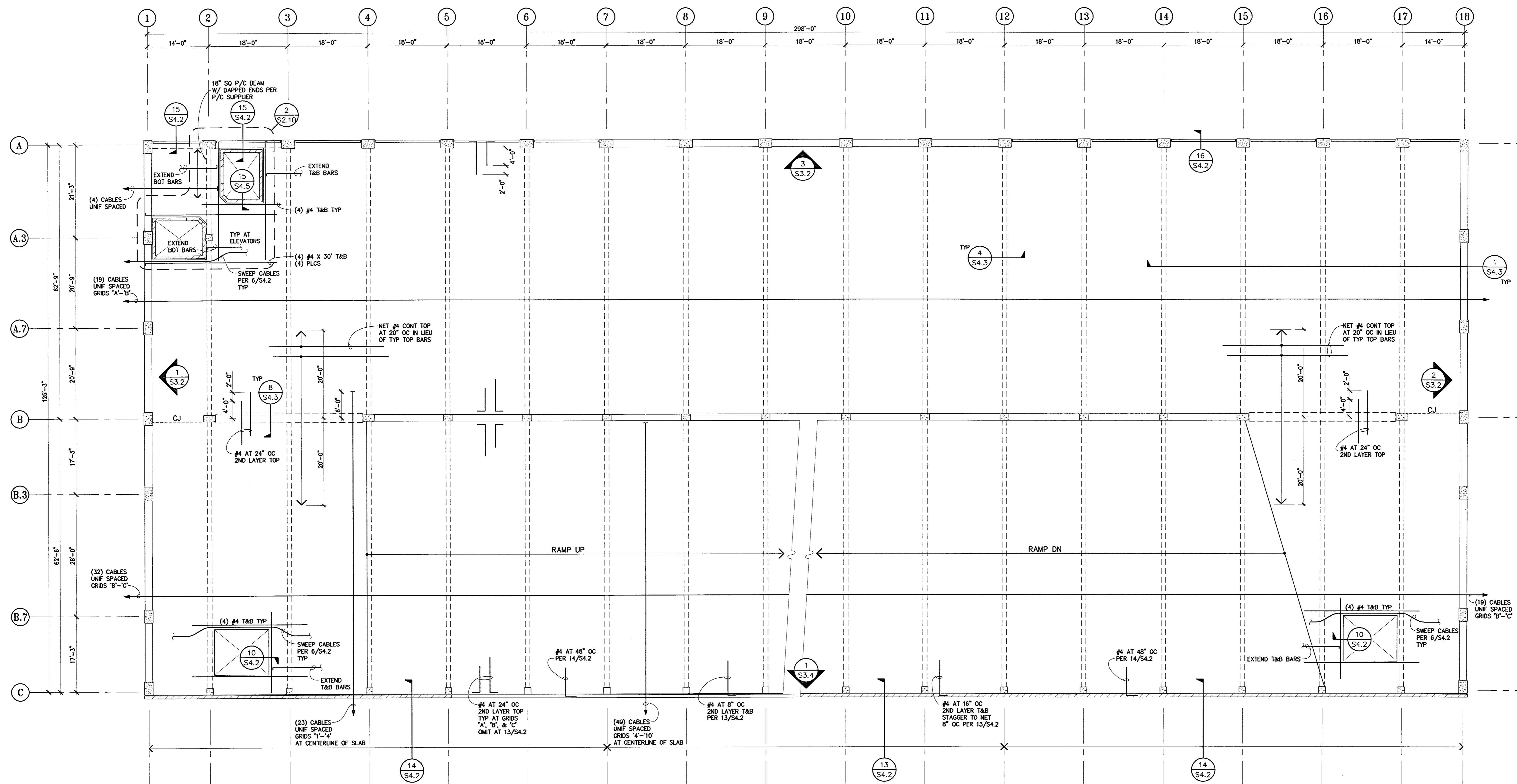
REVISIONS:
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SHEET TITLE
LEVEL P-5

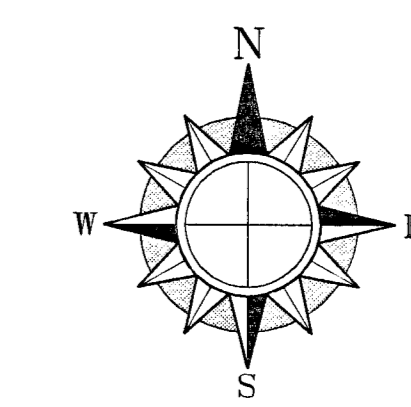
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DRAWING NO.	SHEET
PROGRAM NO.	R.N.O.

DRAWING NO:
S25
 PROJECT NO:
 HNA 2319



NOTES

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CITY OF STOCKTON
EDMUND S. 'ED' COY
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 STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
 Architect - Parking Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670
 Design Architect
Wendell Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110
 Structural Engineer
Mossler-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

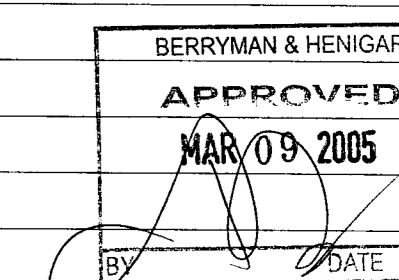
Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601



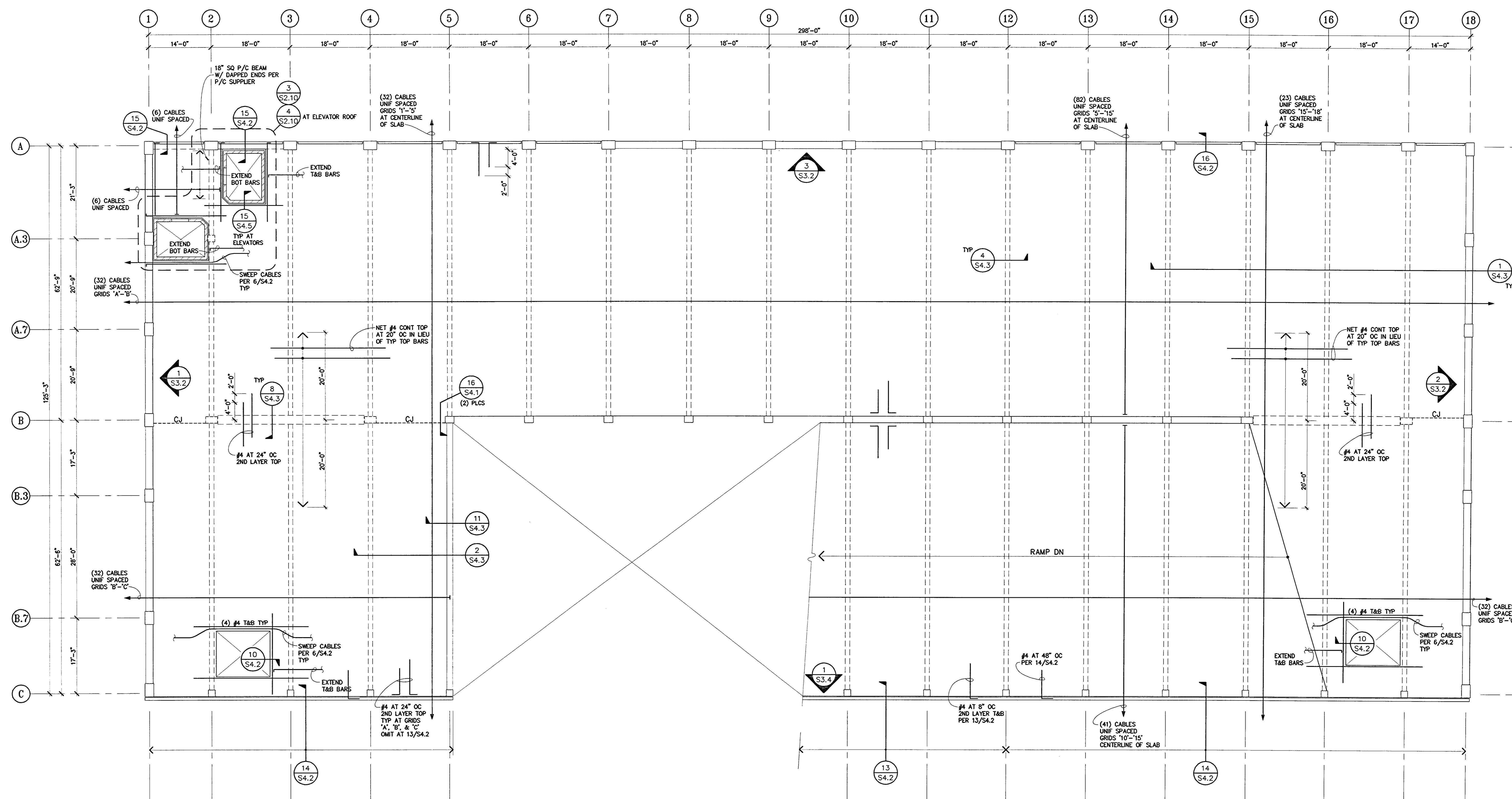
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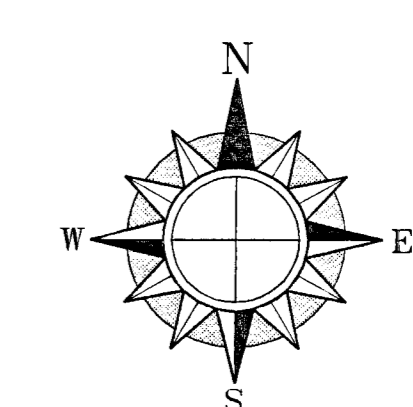
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LEVEL P-6

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07/28/04	3/32" = 1'-0"
DRAWN BY	CHECKED BY
MDN	
DRAWING NO.	SHEET
PROGRAM NO.	R.NO.

DRAWING NO.:
S2.6
 PROJECT NO.:
 HNA 2319



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**CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE**

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209.931.3738

CONSULTANTS:
Architect - Planning Consultant
HNA / Pacific
61 Sea Breeze Avenue
Rancho Palos Verdes, California 90275
310.544.8670

Design Architect
Wonnell Matthews Bowe
246 E. Main Street
Stockton, California 95202
209.944.9110

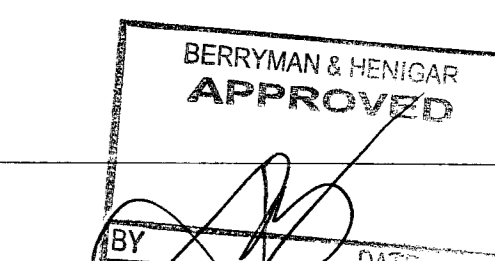
Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Chico, California 95926
530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209.943.2021

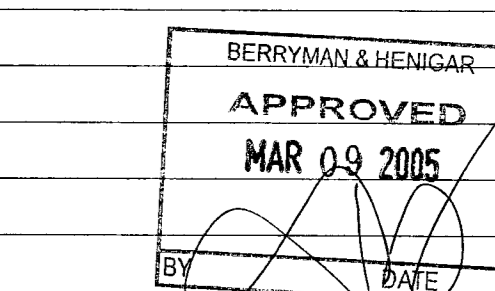
Plumbing Designer - Design/Builder
HRM Plumbing
5650 Wicks Road
Stockton, California 95215
209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
611 W. Fremont Street
Stockton, California 95203
209.466.3691

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1607 Turnpike Road
Stockton, California 95201
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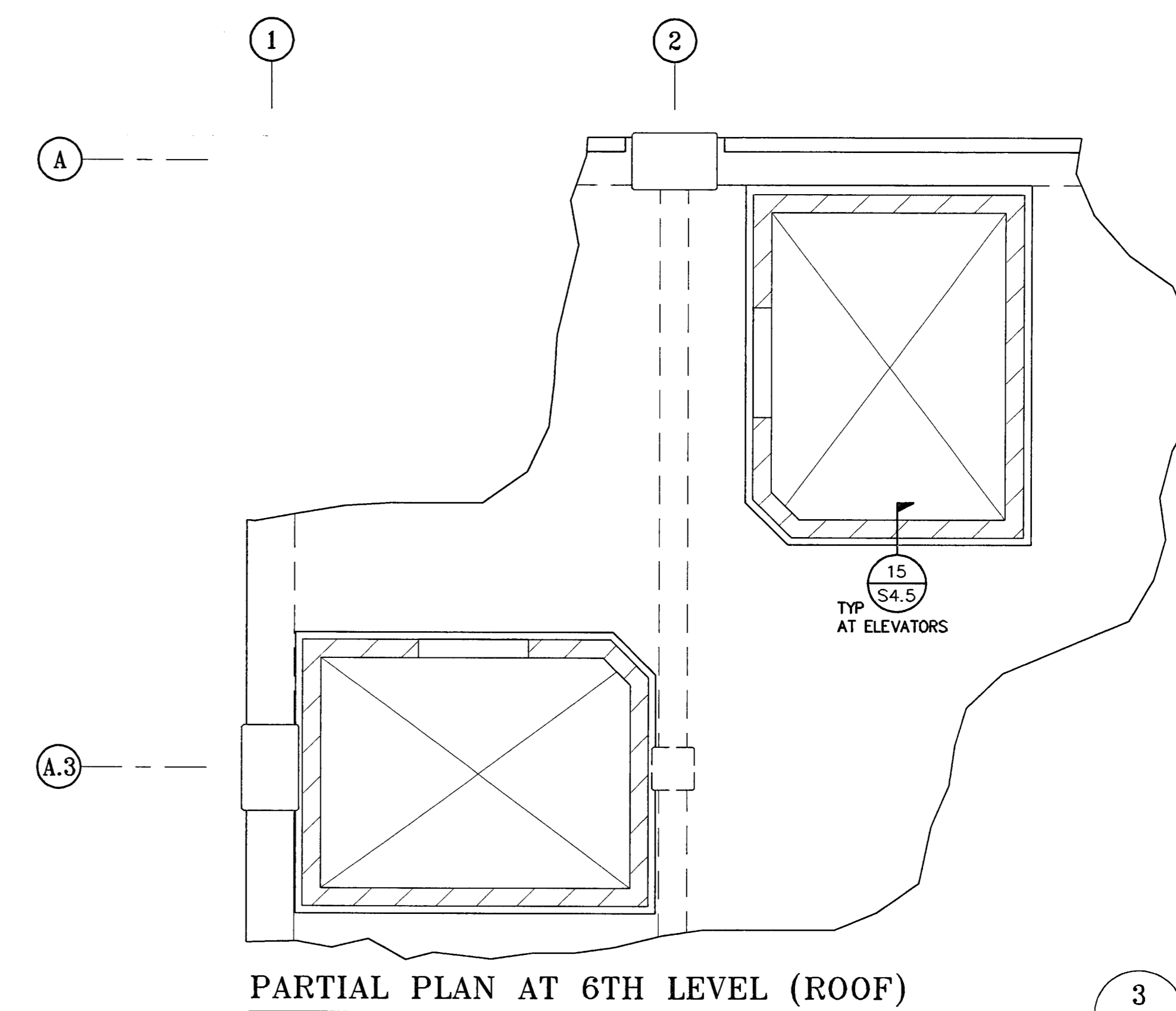


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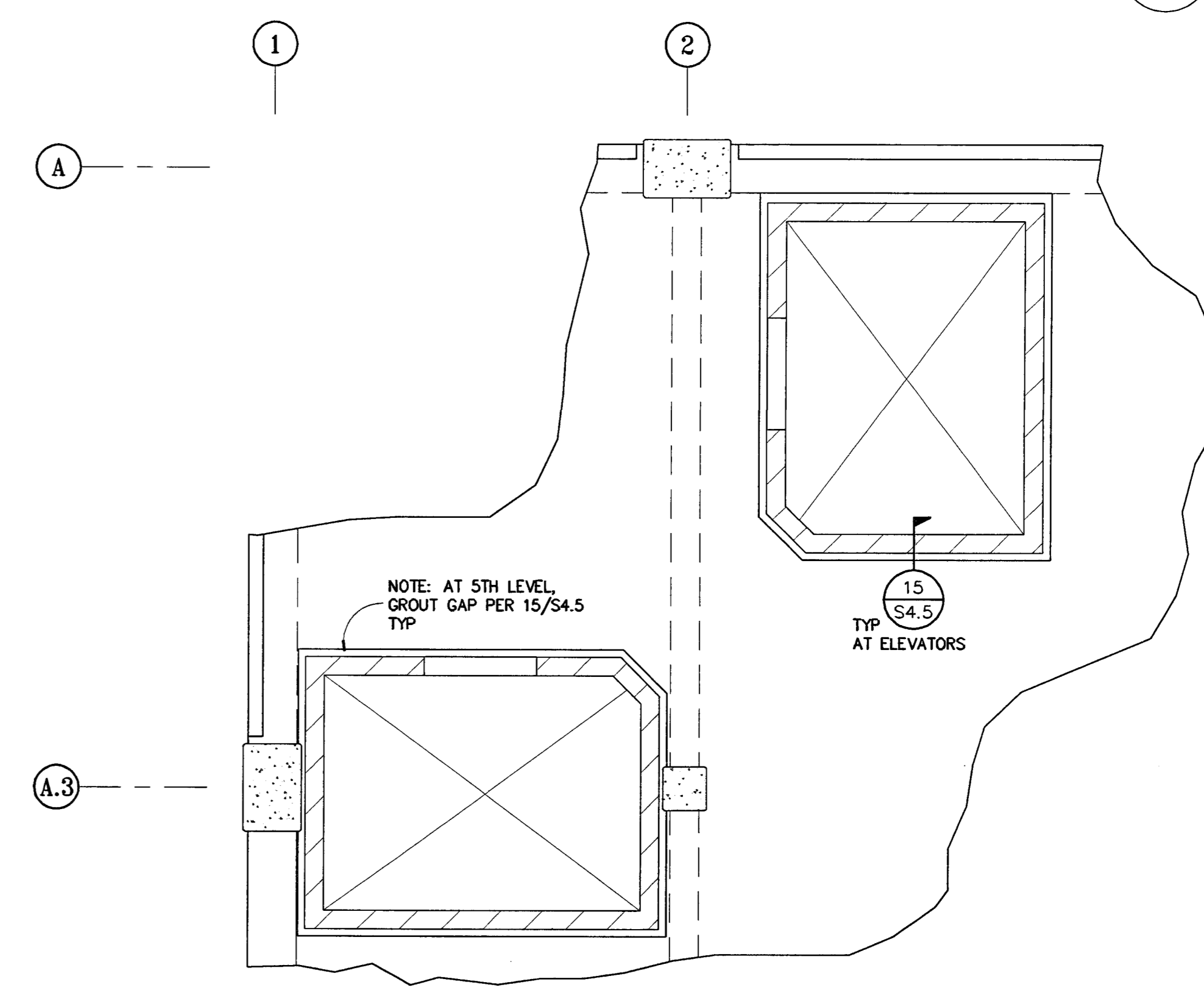


SHEET TITLE
PARTIAL PLANS

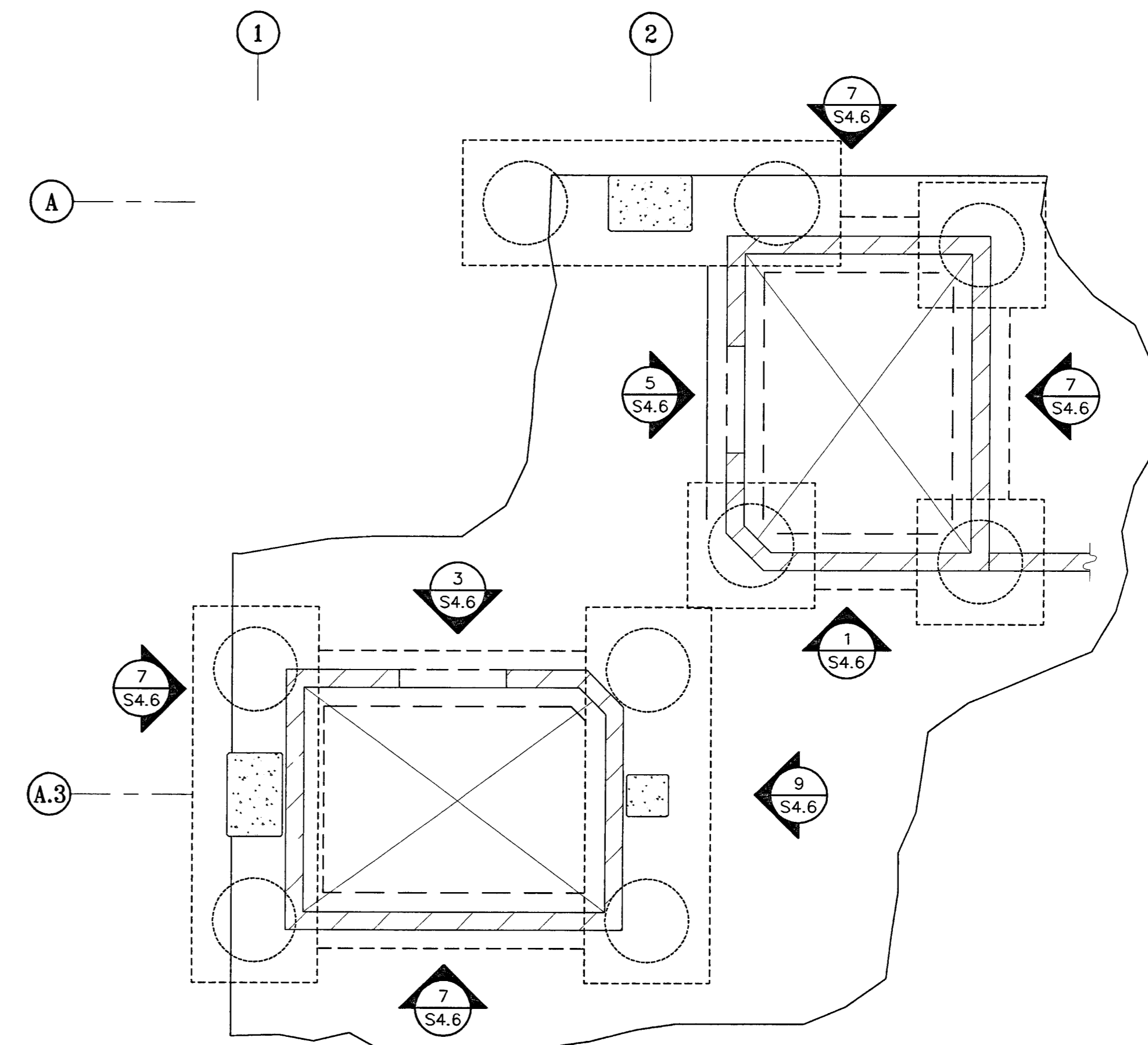
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DRAWING NO.:	S2.10		
PROJECT NO.:	H N A 2319		



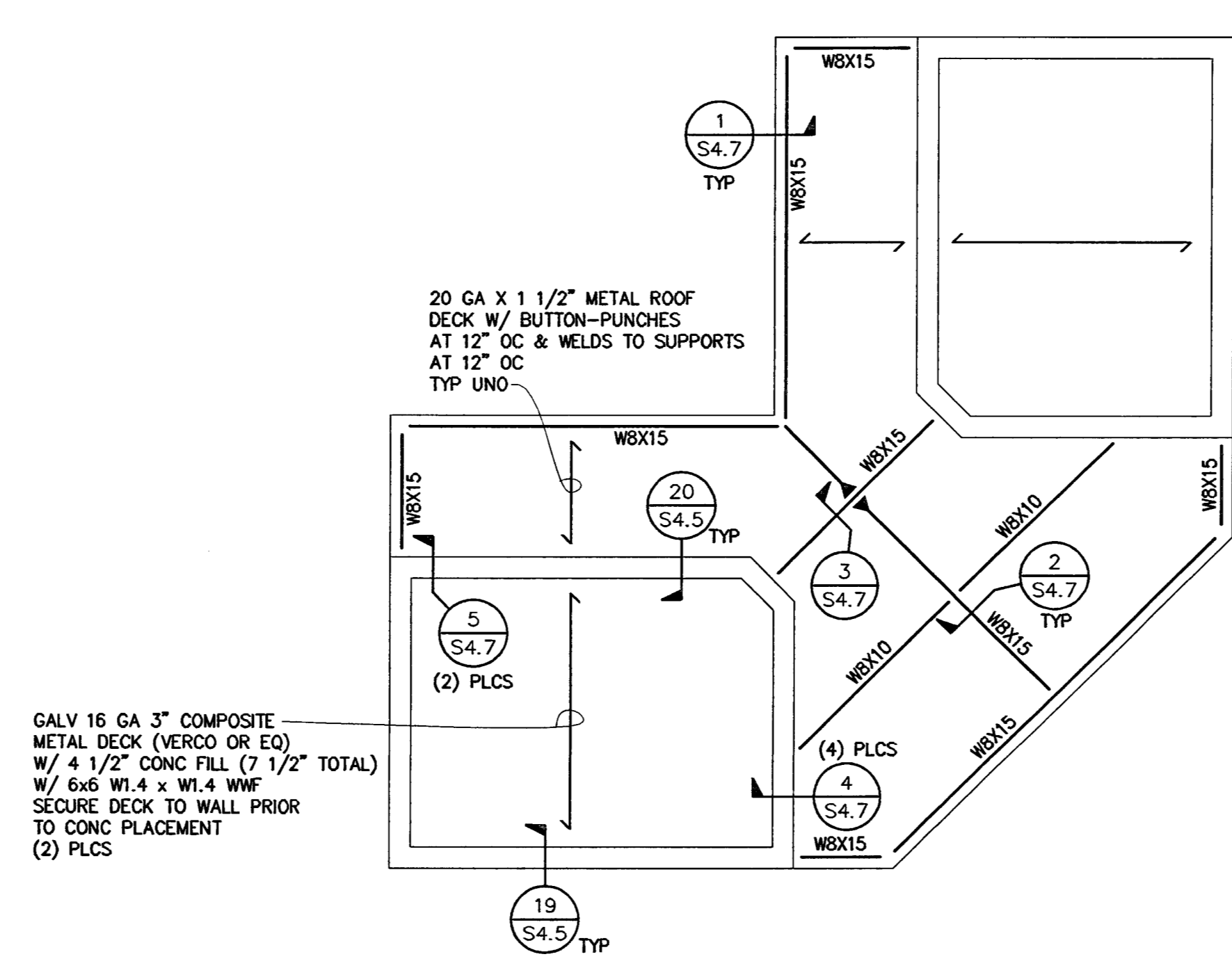
PARTIAL PLAN AT 6TH LEVEL (ROOF) 3
NO SCALE S2.10



PARTIAL PLAN AT 2ND-5TH LEVELS 2
NO SCALE S2.10



PARTIAL PLAN AT GROUND LEVEL 1
NO SCALE S2.10



PARTIAL PLAN AT ELEVATOR ROOF 4
NO SCALE S2.10

20 GA X 1 1/2" METAL ROOF DECK W/ BUTON-PUNCHES AT 12" OC & WELDS TO SUPPORTS AT 12" OC TYP UNO

GALV 16 GA 3" COMPOSITE METAL DECK (VERCO OR EQ) W/ 4 1/2" CONC FILL (7 1/2" TOTAL) W/ 6x6 W1.4 x W1.4 WWF SECURE DECK TO WALL PRIOR TO CONC PLACEMENT (2) PLCS

OWNER:
 City of Stockton

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 Stockton, California 95215
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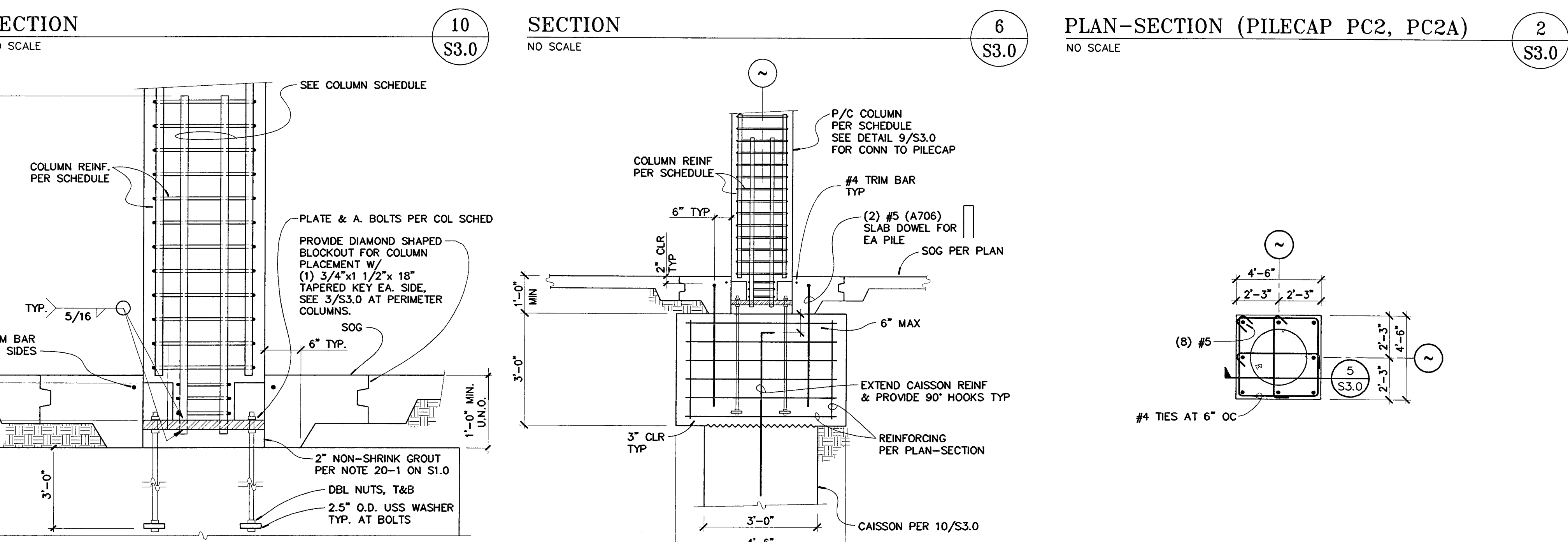
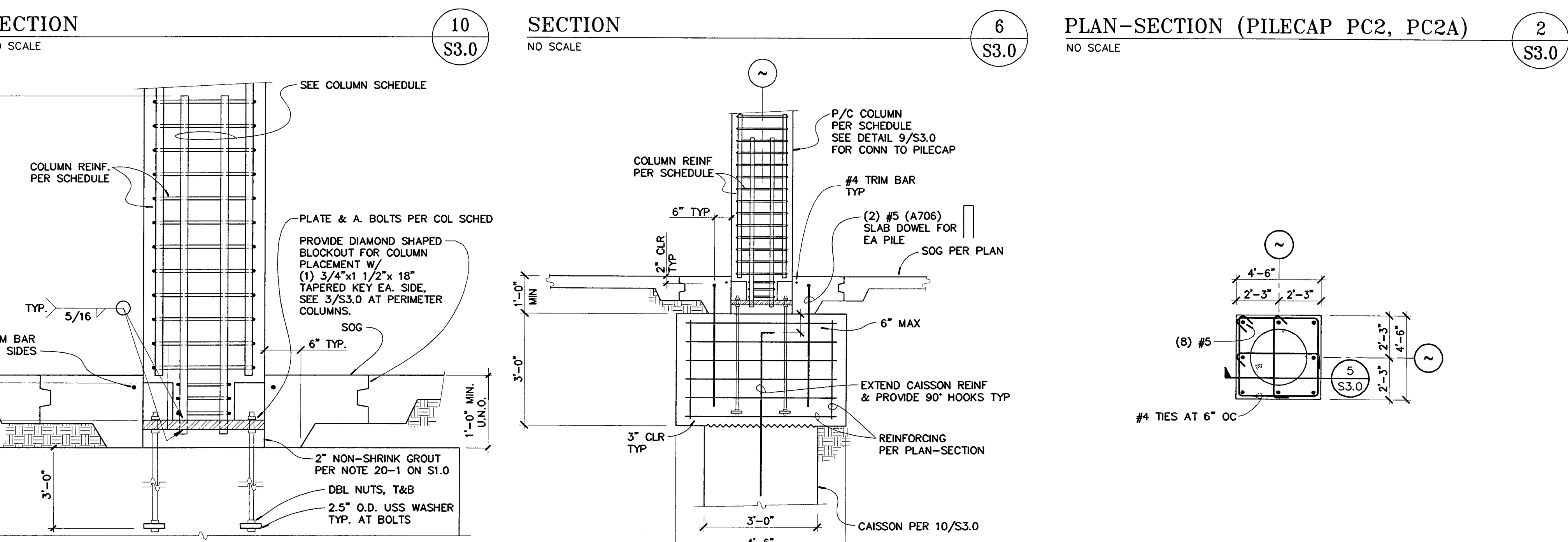
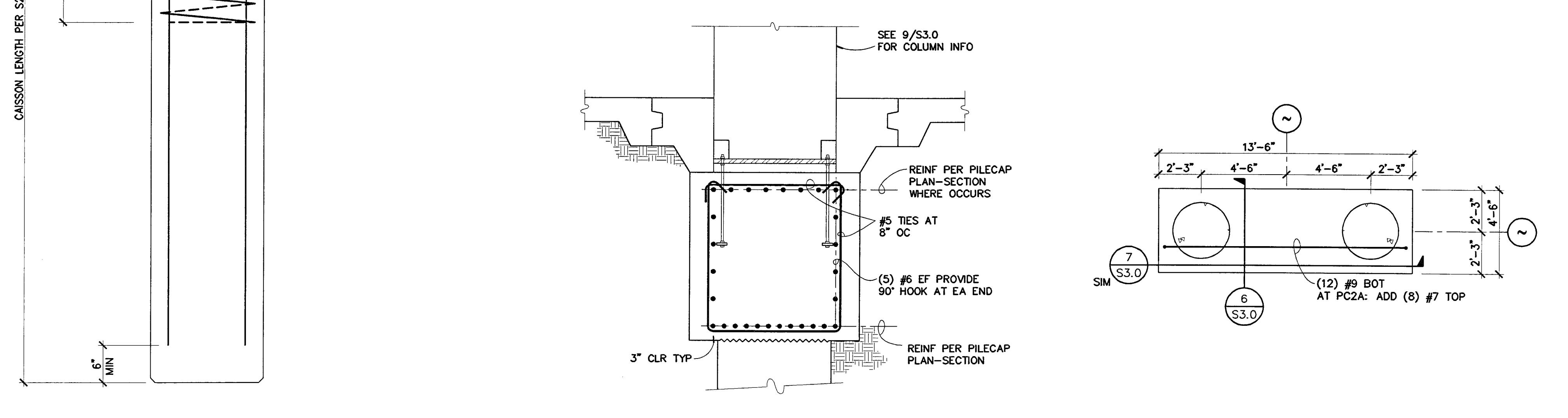
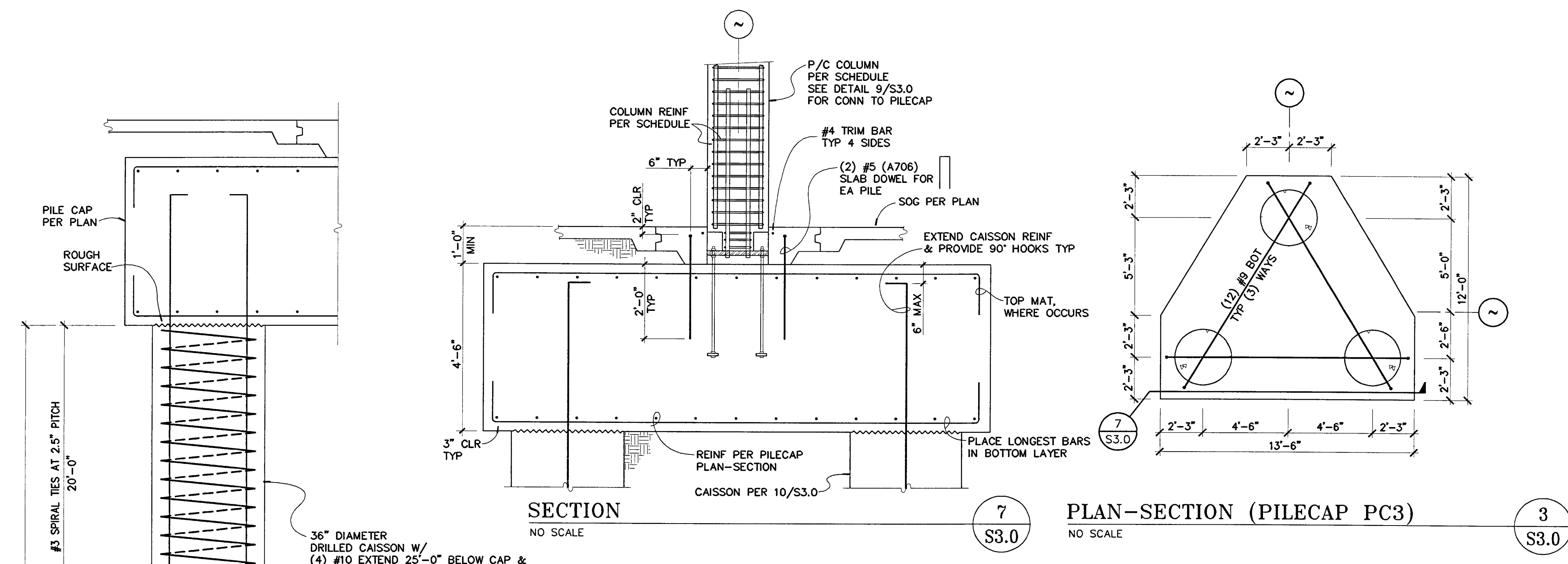
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 MAR 09 2005
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SHEET TITLE
PILECAPS & TYP CONCRETE DETAILS

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PROGRAM NO.	R.N.O.
DRAWING NO. S3.0	
PROJECT NO. HNA 2319	

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EDMUND S. 'ED' COY
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STOCKTON, CALIFORNIA

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 City of Stockton

DESIGN BUILDER:
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 Stockton, California 95215
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 61 Sea Breeze Avenue
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 Structural Engineer
 Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
 Siegfried Engineering, Inc.
 4045 Colorado Avenue
 Stockton, California 95204
 209.943.2021

Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turpin Road
 Stockton, California 95201
 209.466.4601

BERRYMAN & HEINIGER
 APPROVED

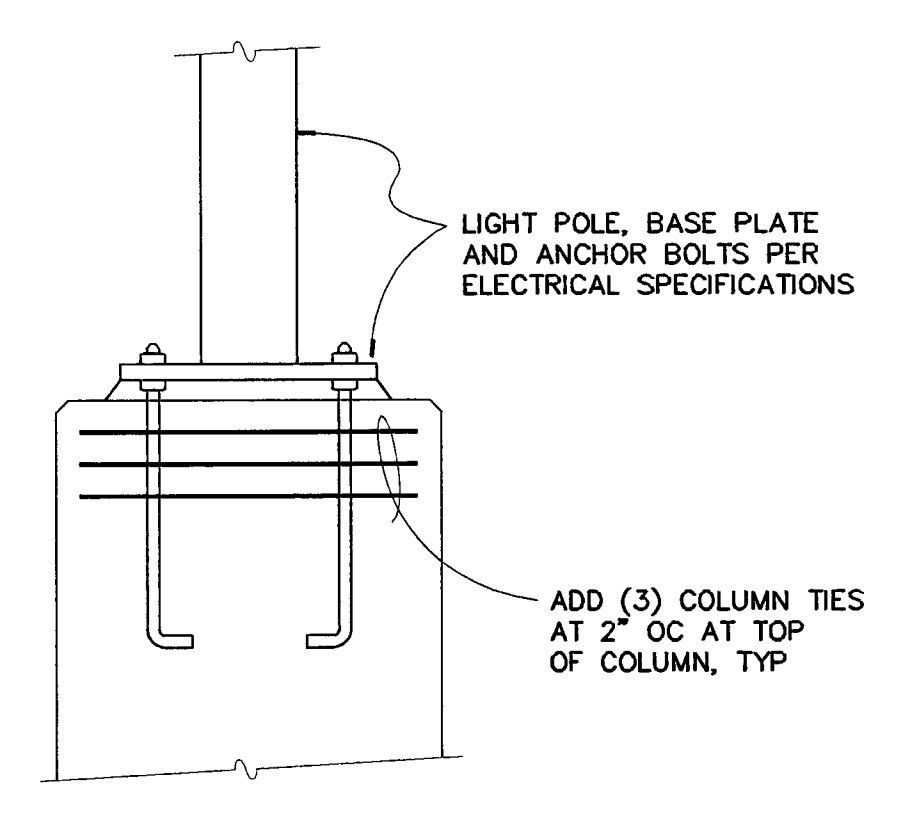
REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HEINIGER
 APPROVED
 MAR 09 2005

REGISTERED PROFESSIONAL ENGINEER
 R. D. JESSEN
 NO. 2393
 EXP. 3/31/06
 STRUCTURAL
 STATE OF CALIFORNIA

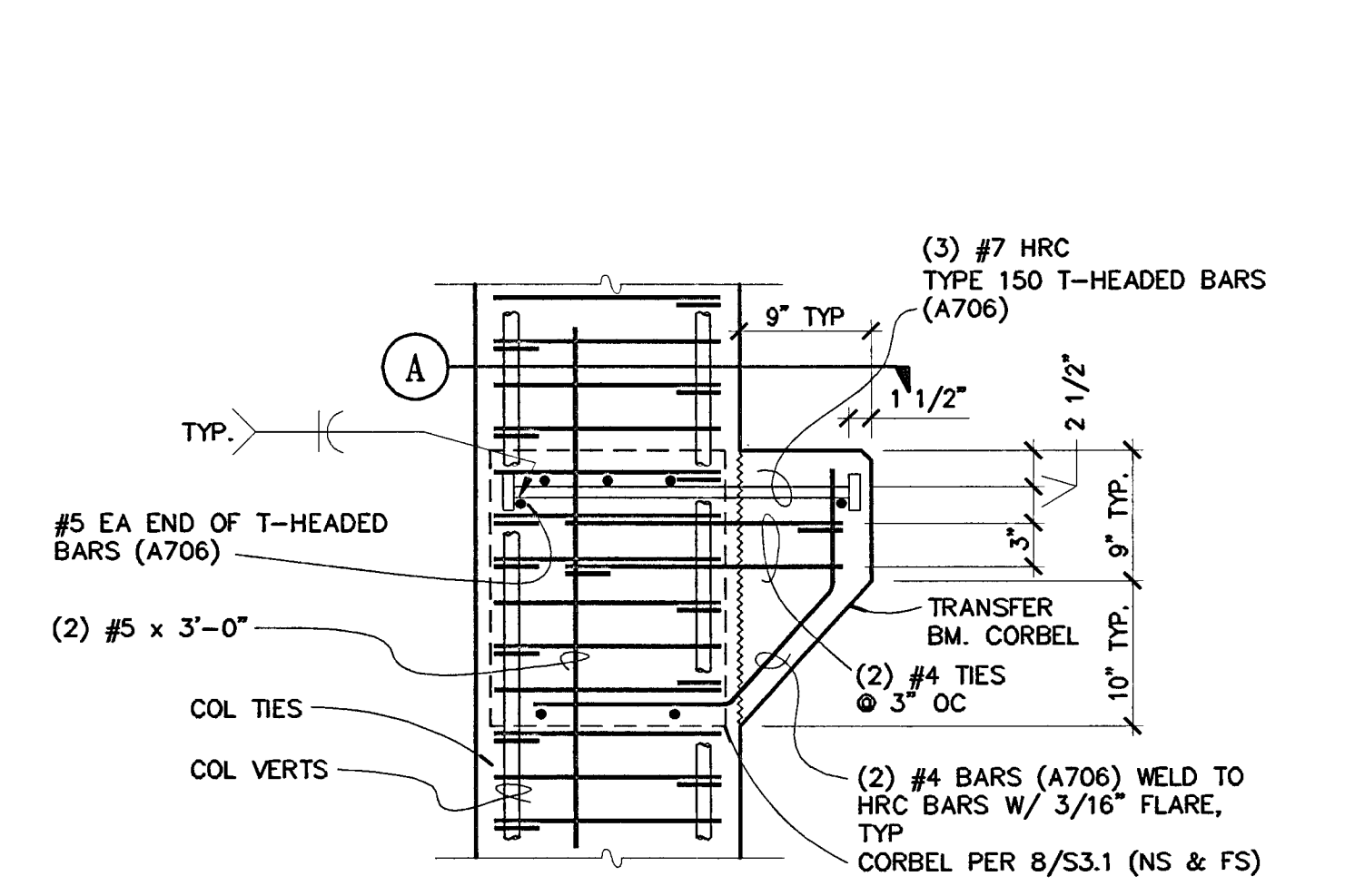
COLUMN SCHEDULE & DETAILS

DATE	07/28/04	SCALE	NONE
DRAWN BY	MDN	CHECKED BY	
DRAWING NO.		SHEET	
PROGRAM NO.		R.NO.	
DRAWING NO.	S3.1		
PROJECT NO.	HNA 2319		

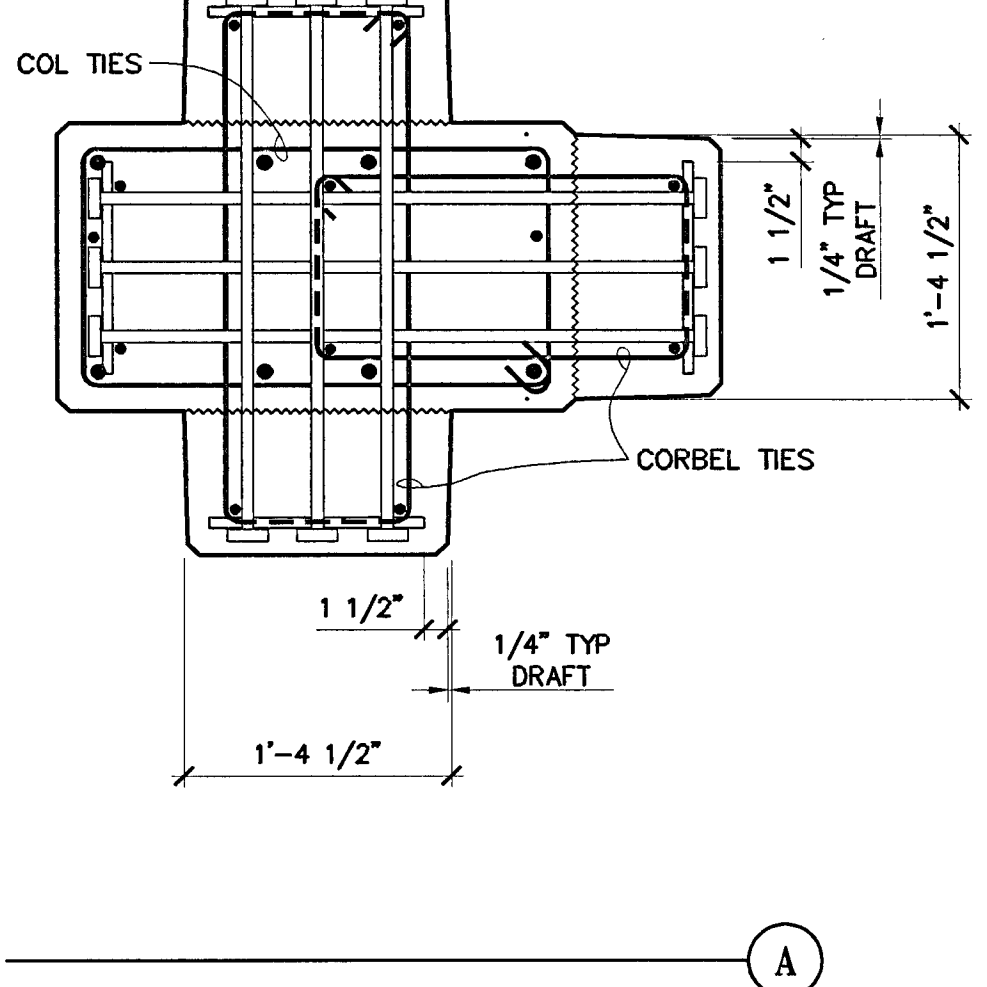


SECTION
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20
 S3.1

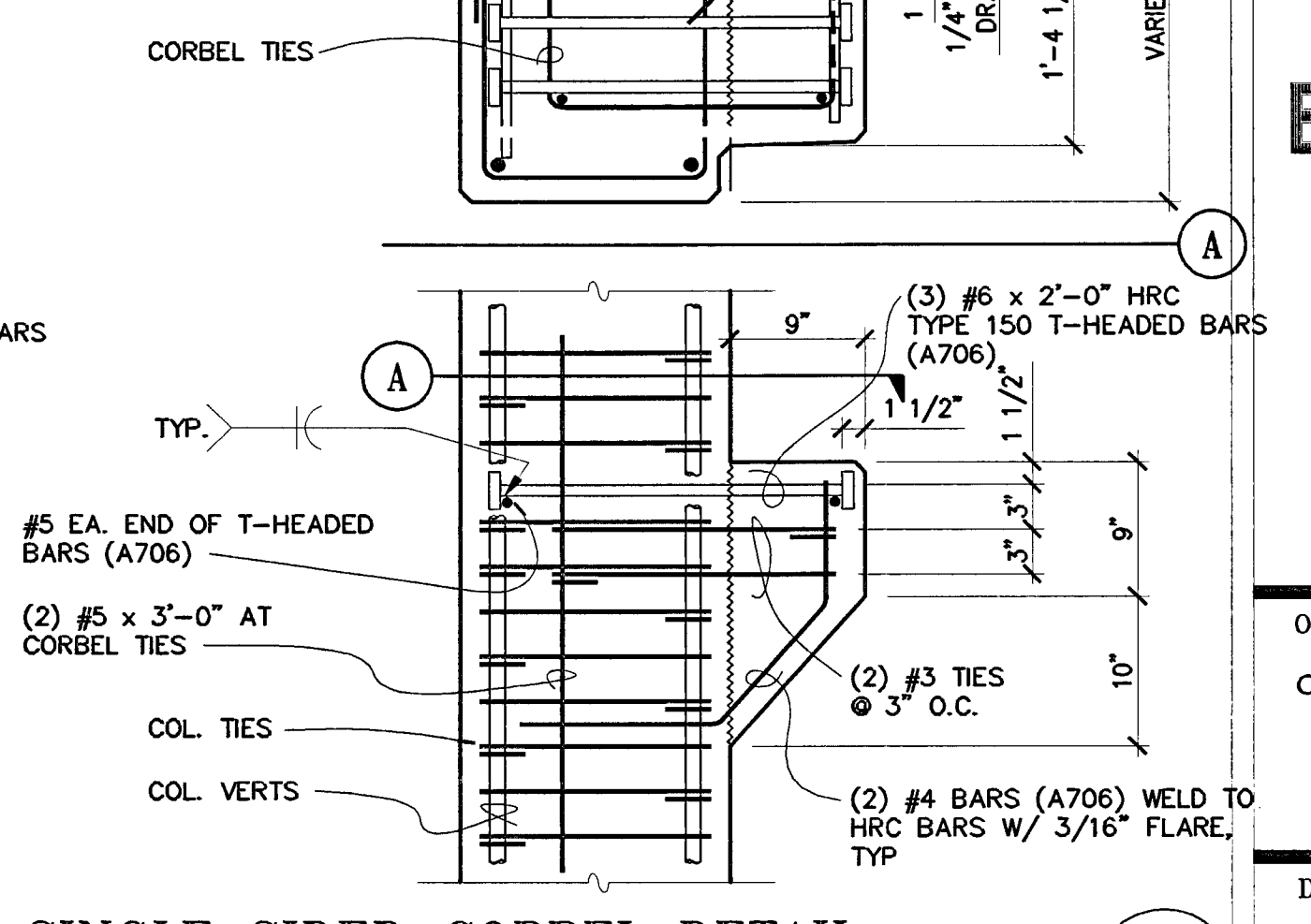


TRANSFER GIRDER CORBEL DETAIL
 NO SCALE



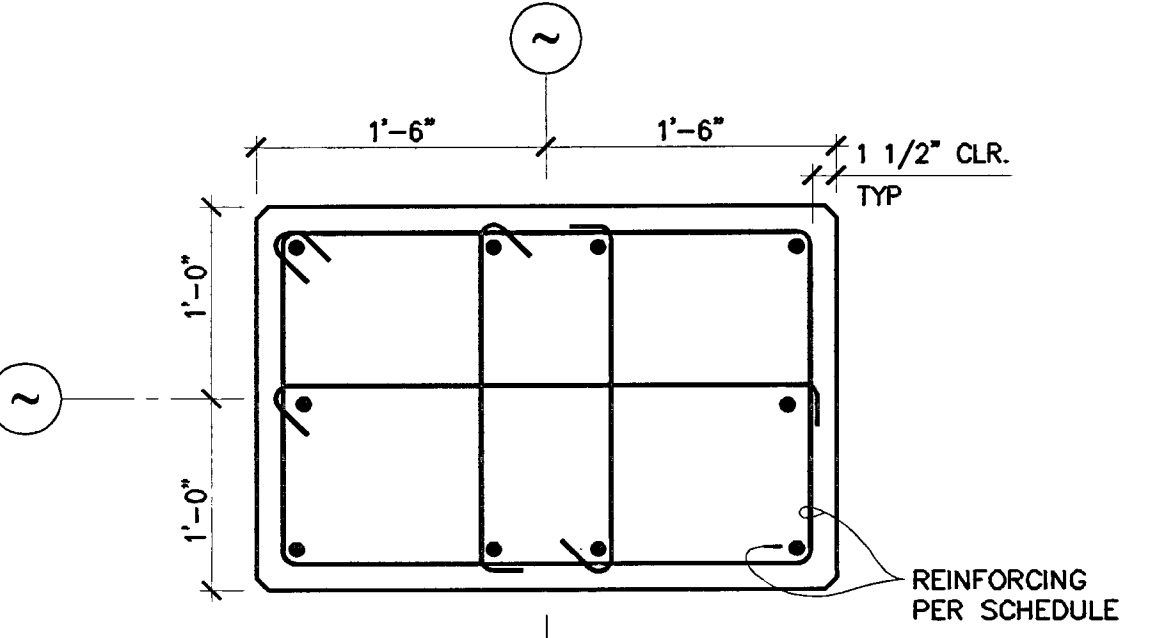
DOUBLE SIDED CORBEL DETAIL
 NO SCALE

8
 S3.1



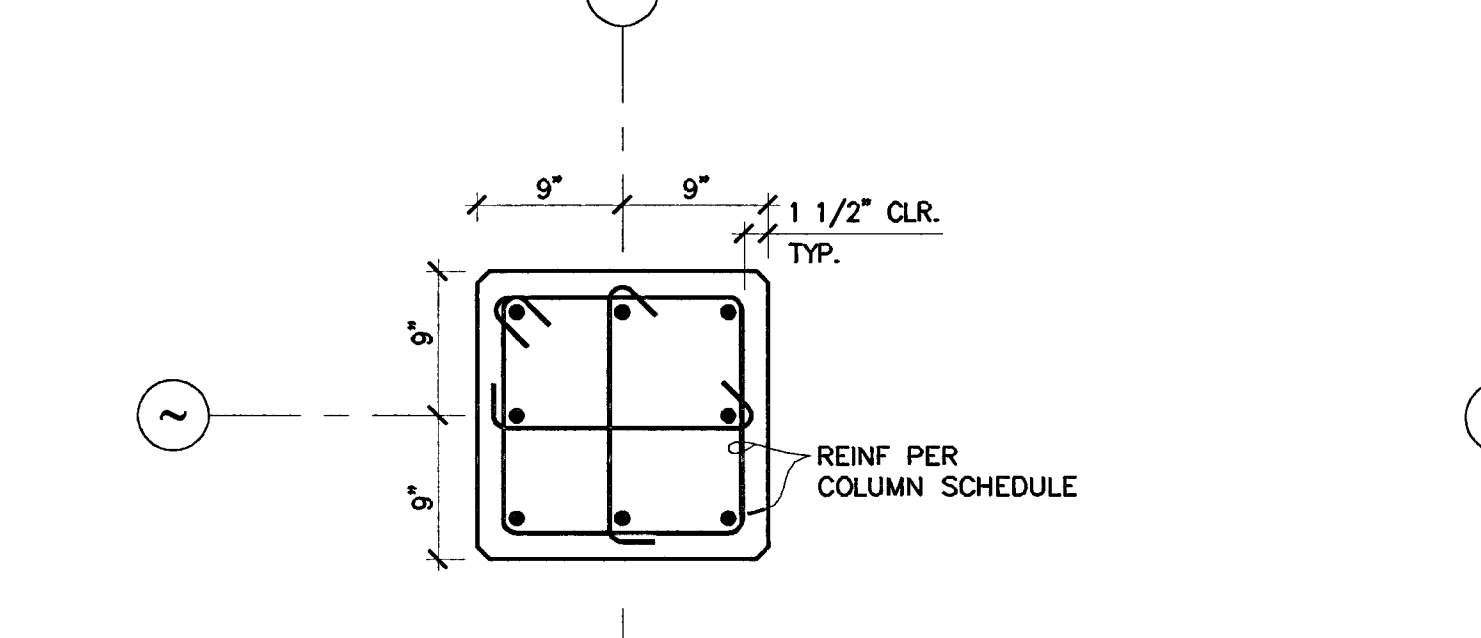
SINGLE SIDED CORBEL DETAIL
 NO SCALE

4
 S3.1



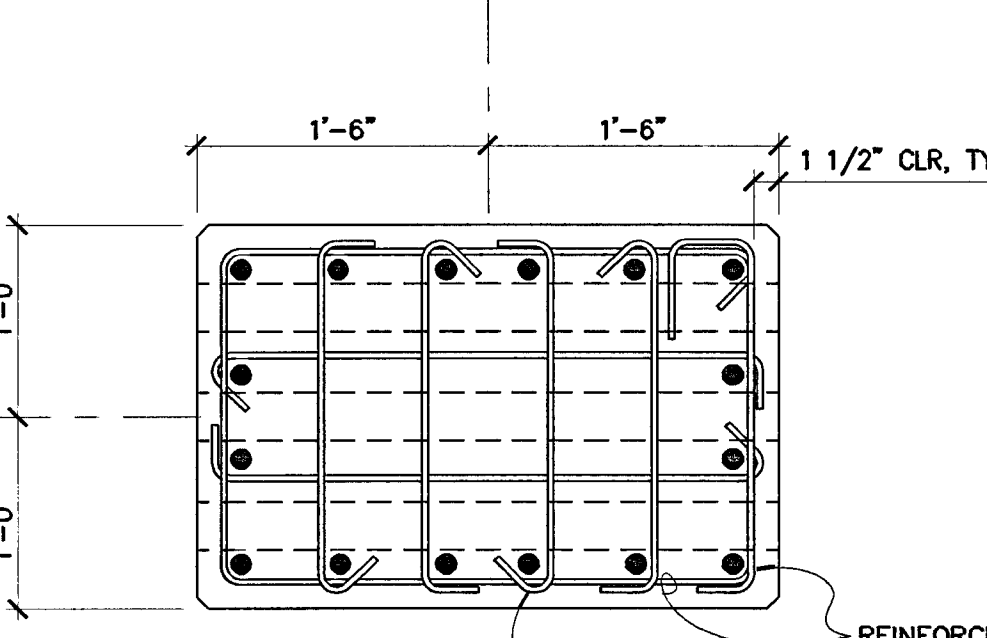
PLAN SECTION
 NO SCALE

19
 S3.1



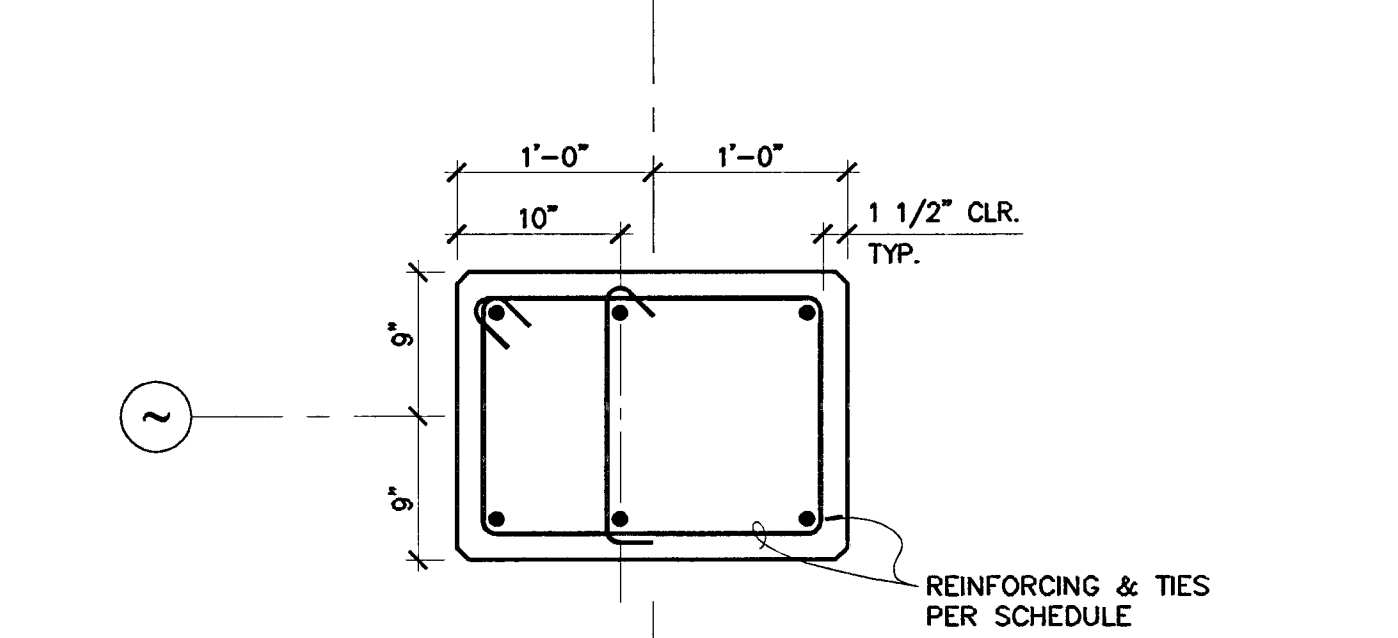
PLAN SECTION
 NO SCALE

15
 S3.1



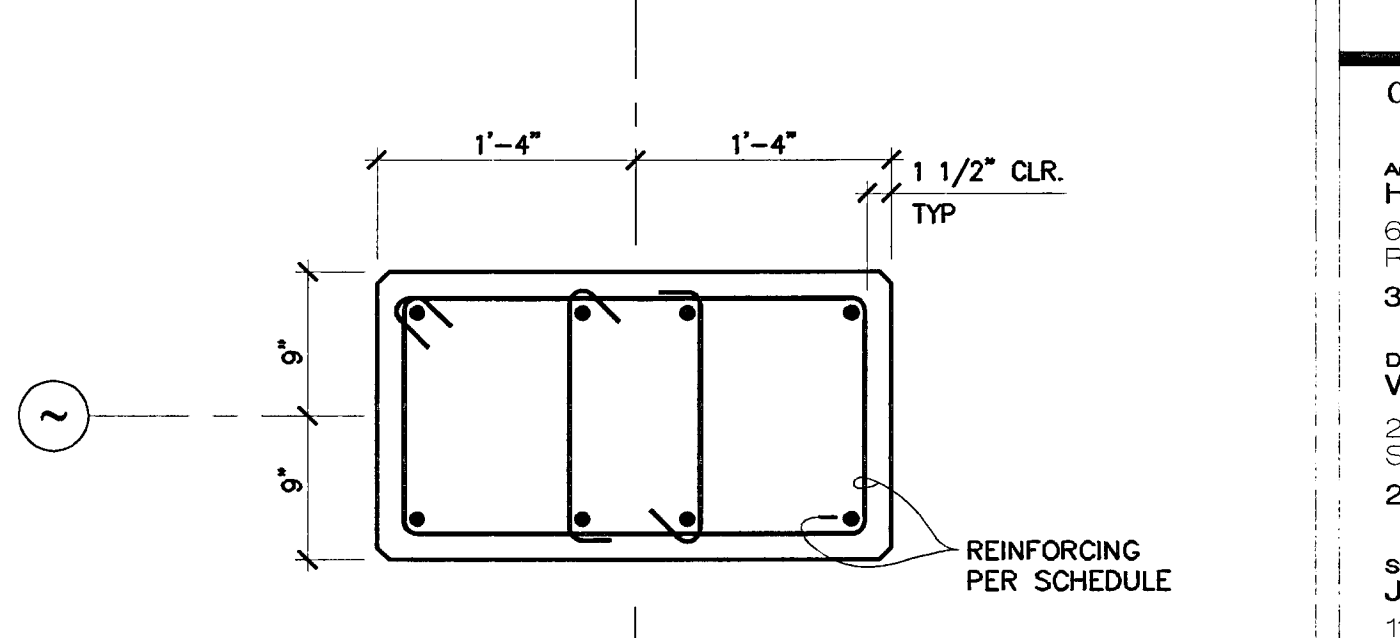
PLAN SECTION
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11
 S3.1



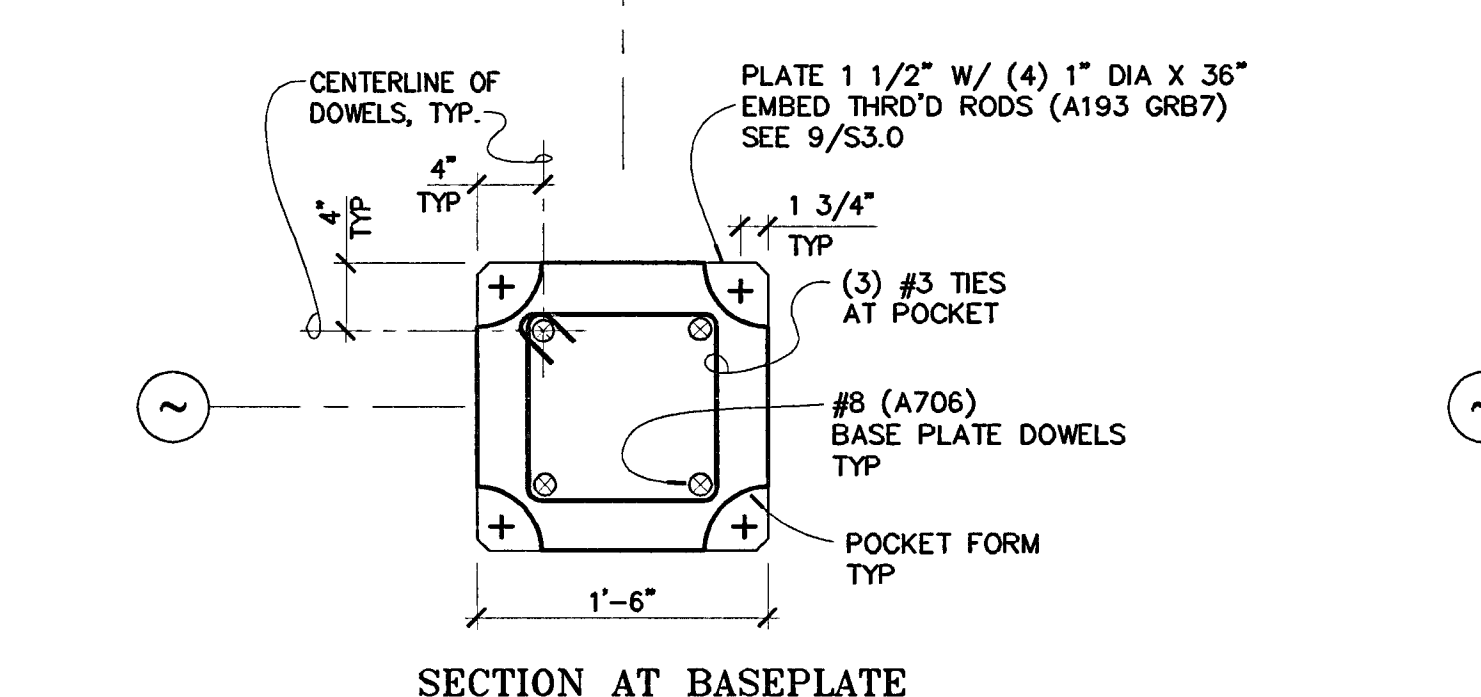
PLAN SECTION
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7
 S3.1



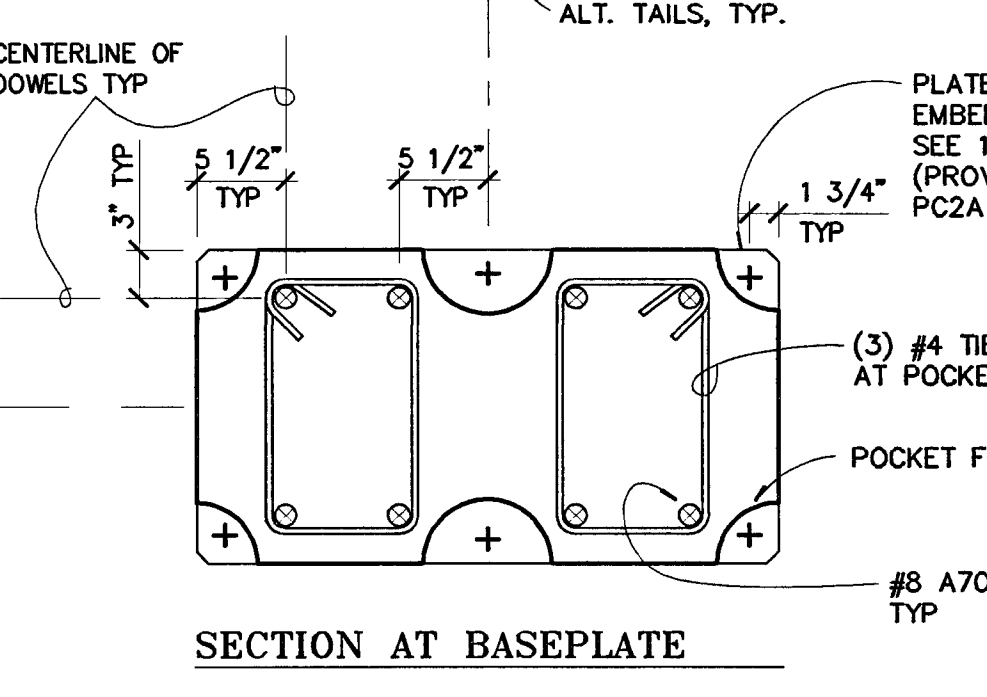
PLAN SECTION
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3
 S3.1



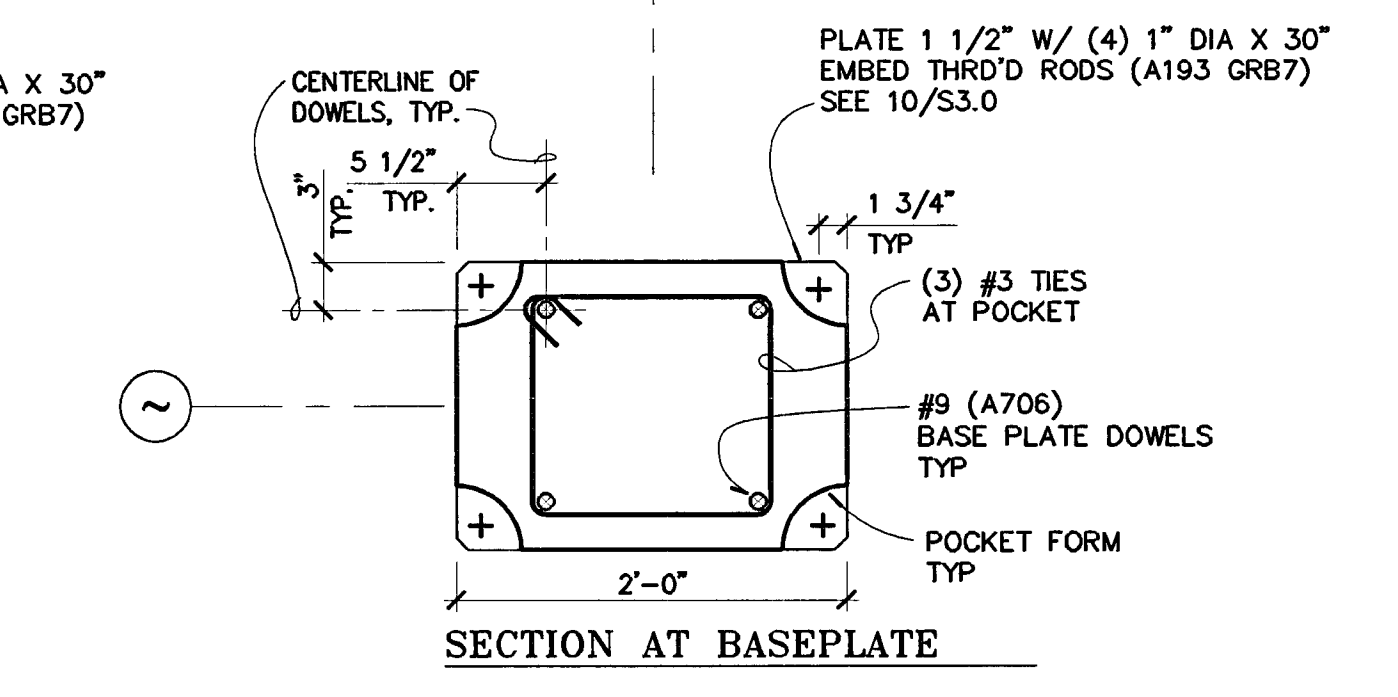
SECTION
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14
 S3.1



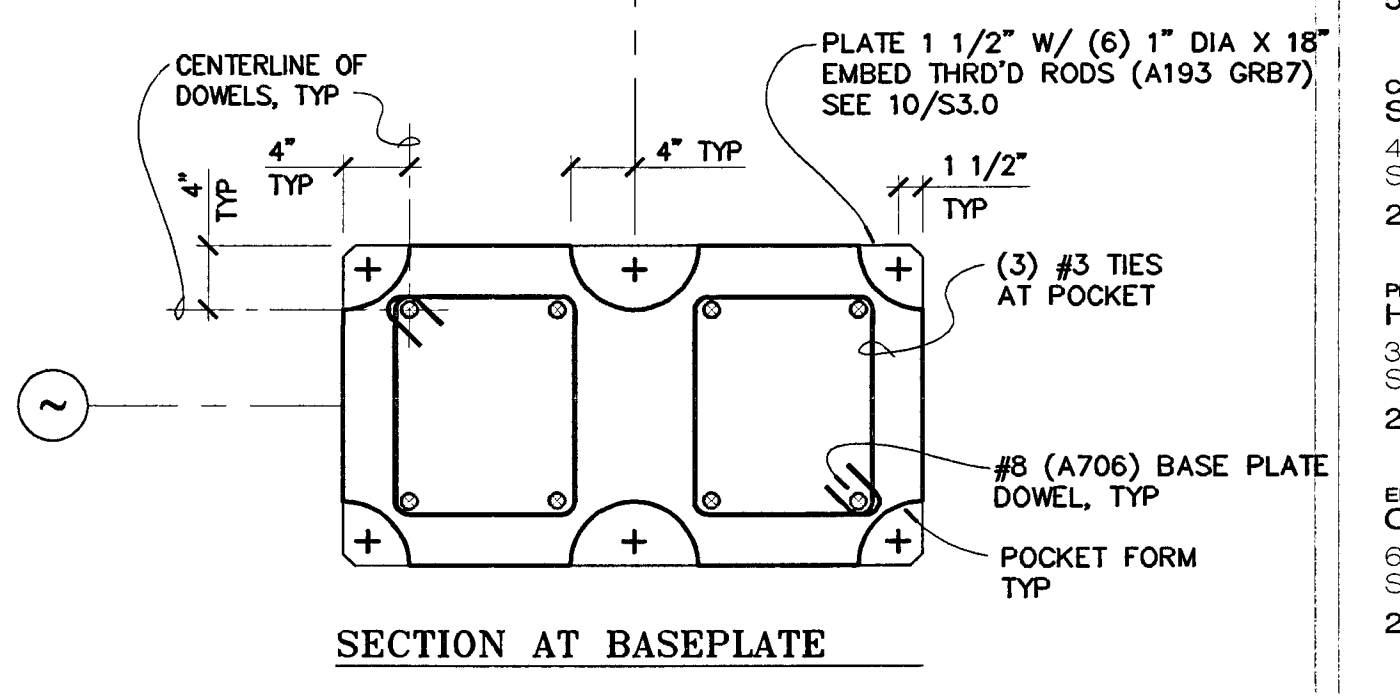
SECTION AT BASEPLATE
 NO SCALE

11
 S3.1



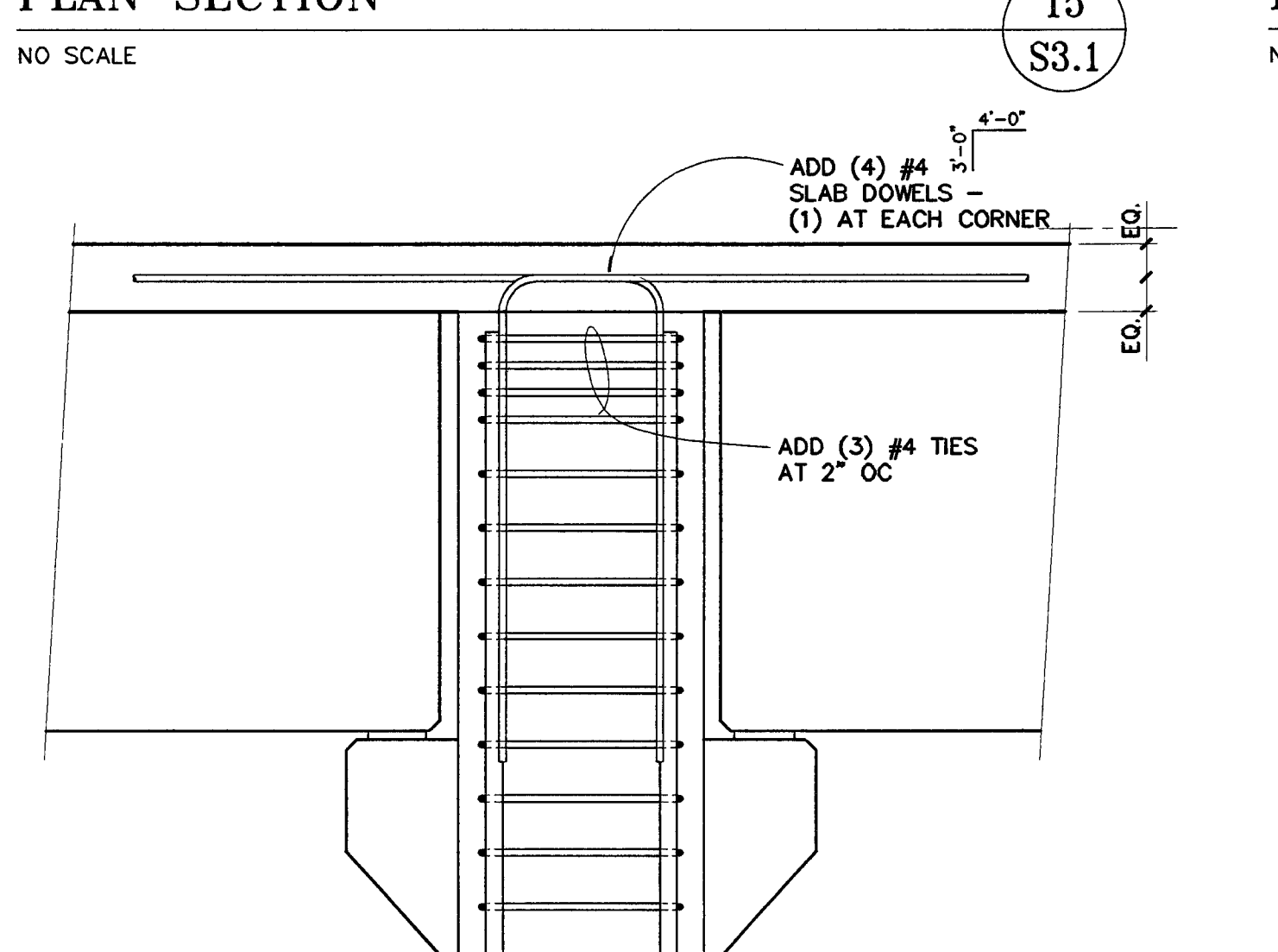
SECTION AT BASEPLATE
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7
 S3.1



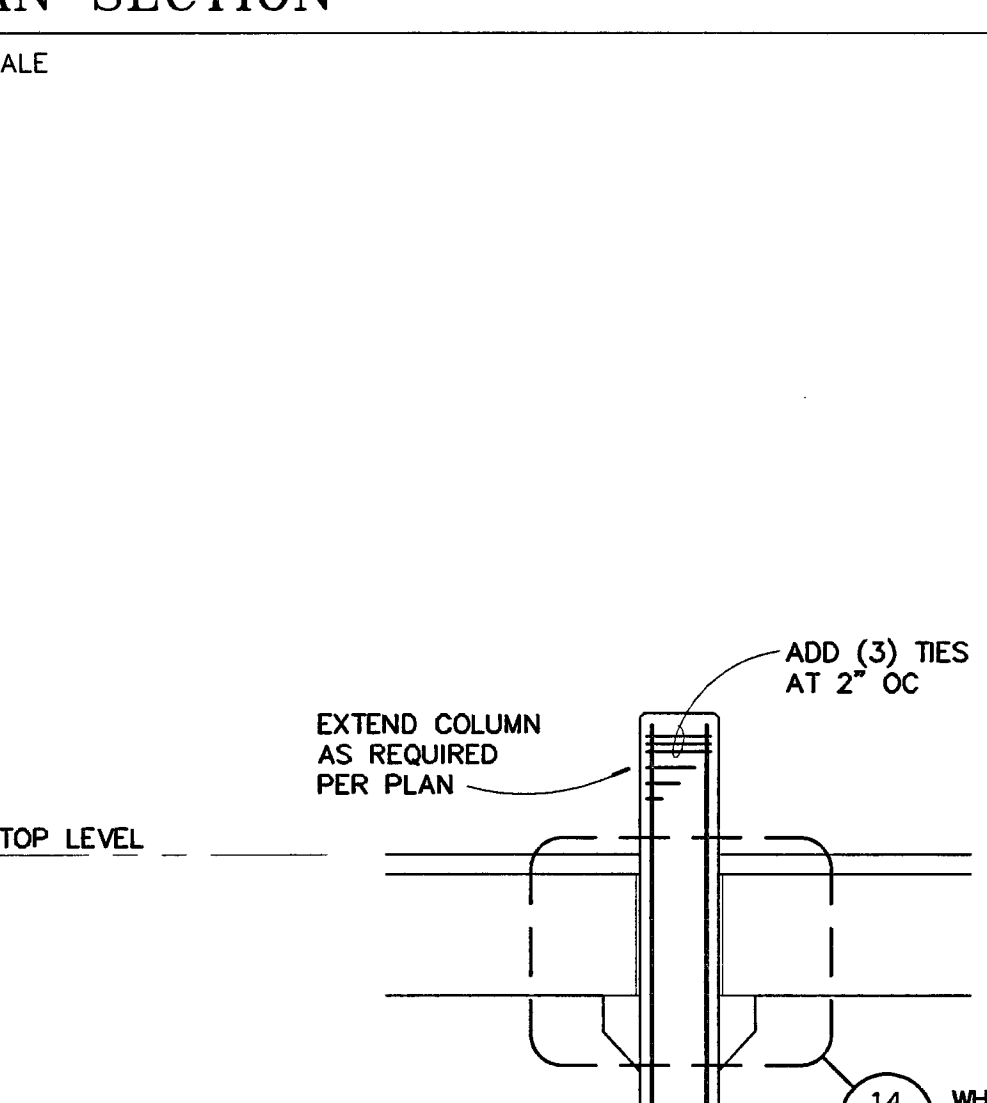
SECTION AT BASEPLATE
 NO SCALE

3
 S3.1



SECTION
 NO SCALE

13
 S3.1



DETAIL
 NO SCALE

9
 S3.1

TOP LEVEL	C6	C5, C5.1	C4	C3	C2	C1	MARK
	24" x 36"	24" x 36"	24" x 36"	18" x 32"	18" x 24"	18" x 18"	SIZE
	6000 PSI	6000 PSI	6000 PSI	6000 PSI	6000 PSI	6000 PSI	STRENGTH
	11/S3.1	11/S3.1	19/S3.1	3/S3.1	7/S3.1	15/S3.1	SECTION

COLUMN SCHEDULE
 NO SCALE

NOTES:
 1. GENERAL CONTRACTOR TO VERIFY ALL COLUMN LENGTHS.
 2. SEE 9/S3.1 FOR ADDITIONAL INFORMATION
 3. SEE 20/S3.1 FOR LIGHT POLE CONNECTION WHERE OCCURS.

1
 S3.1

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:

Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670

Design Architect
 Wonnell Mathews Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

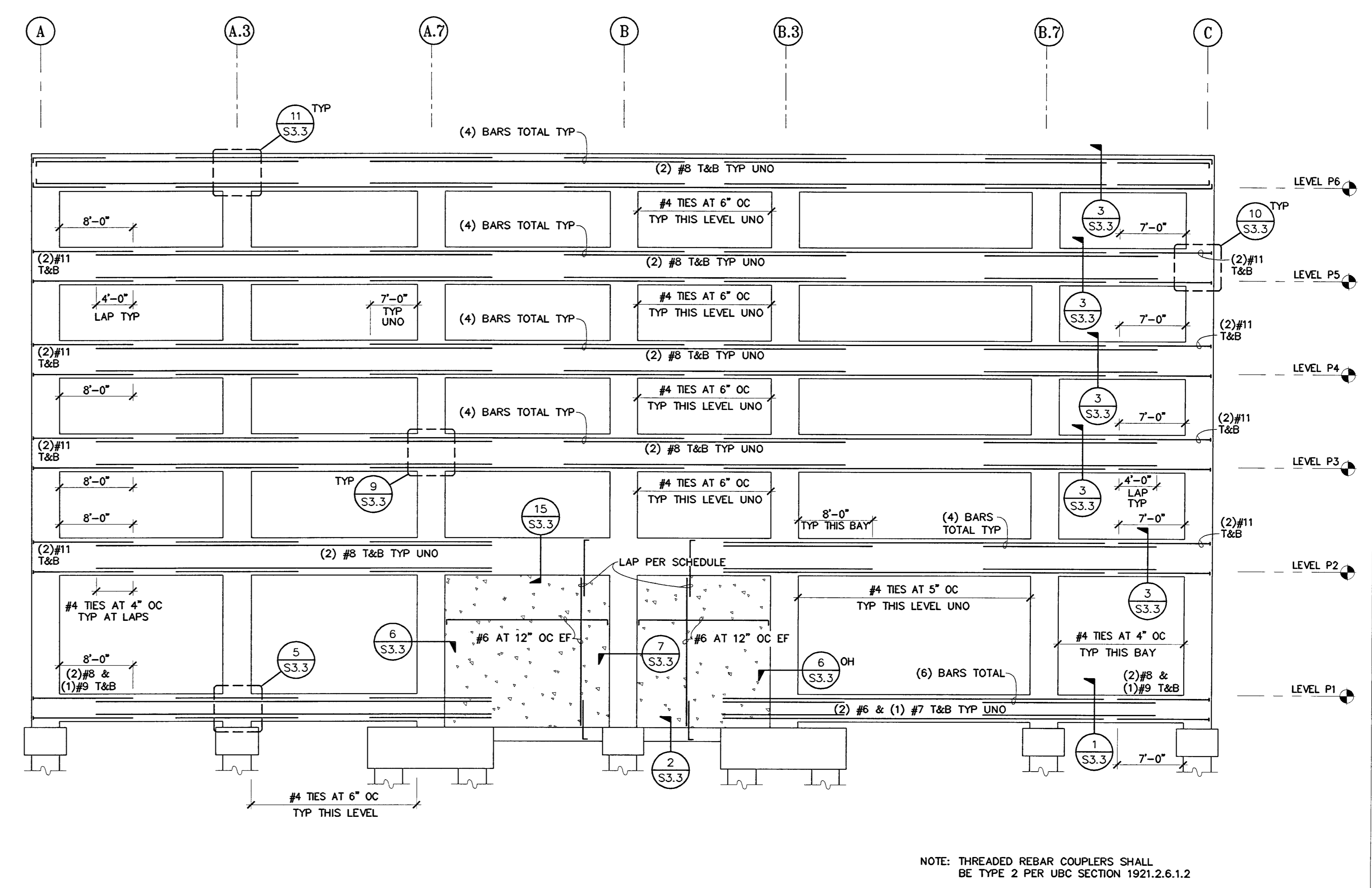
Structural Engineer
 Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
 Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
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Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601

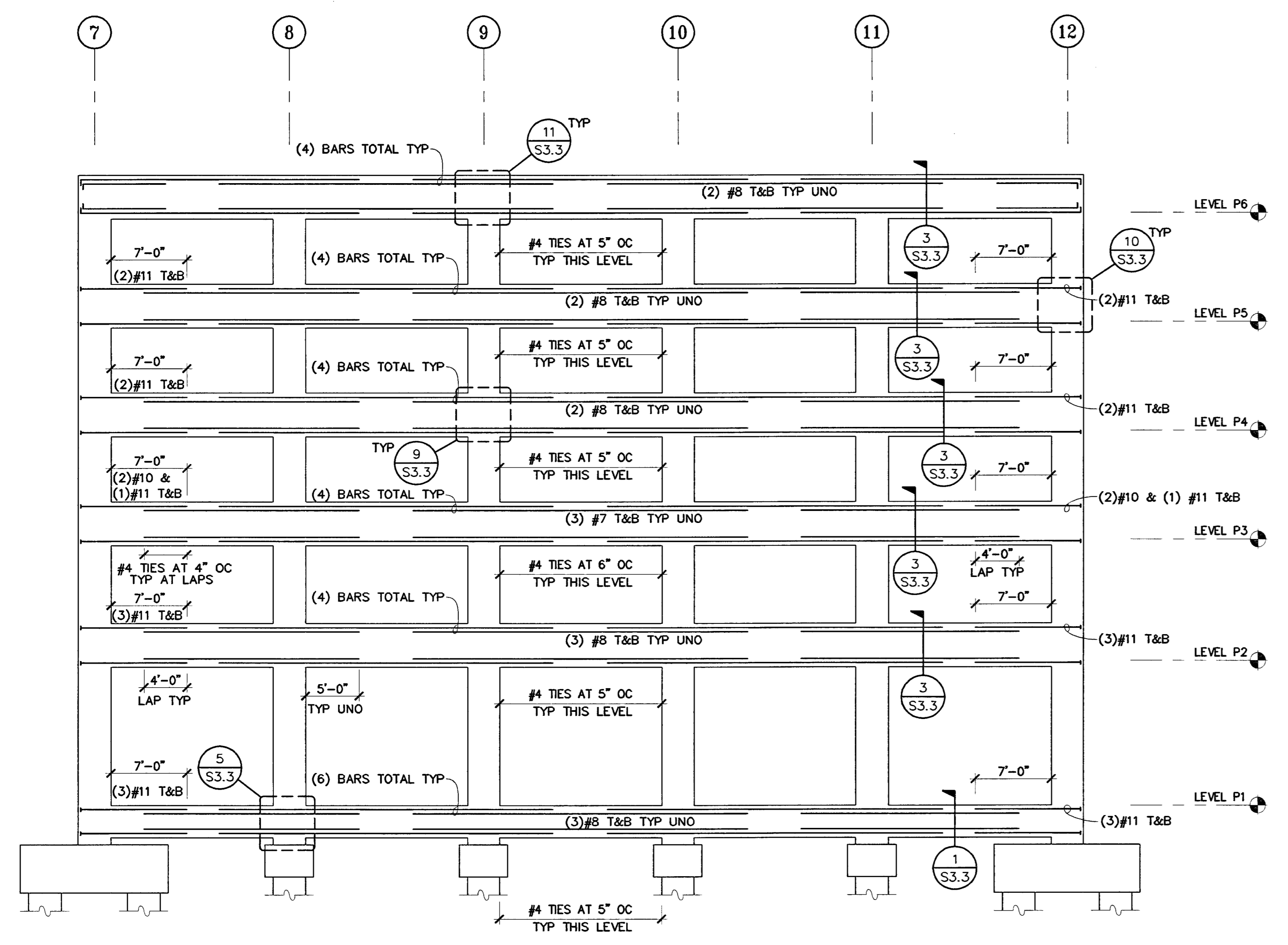


NOTE: THREADED REBAR COUPLERS SHALL BE TYPE 2 PER UBC SECTION 1921.2.6.1.2

FRAME BEAM ELEVATION AT GRID '18'

NO SCALE

2
 S3.2

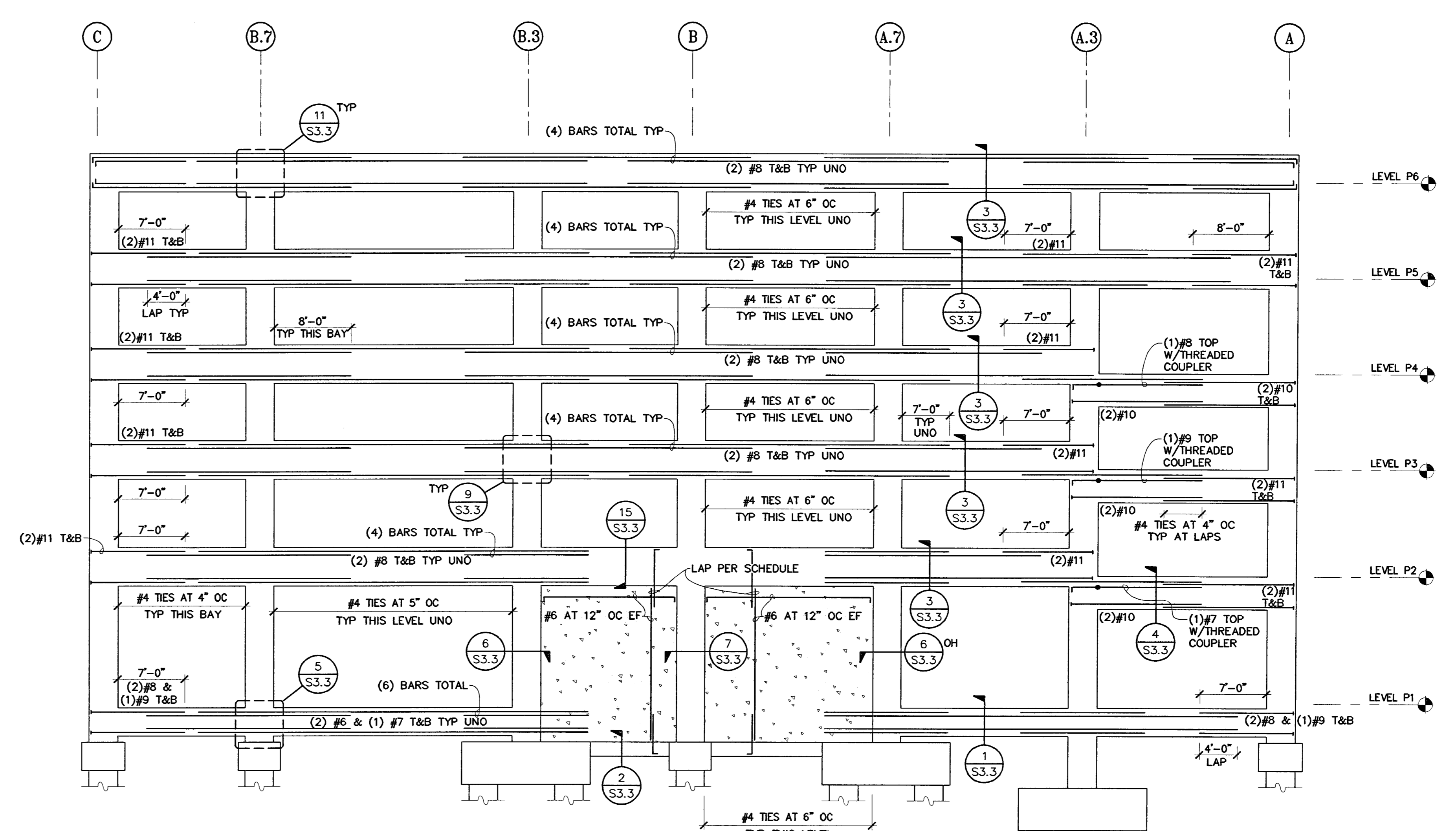


NOTE: THREADED REBAR COUPLERS SHALL BE TYPE 2 PER UBC SECTION 1921.2.6.1.2

FRAME BEAM ELEVATION AT GRID 'A'

NO SCALE

3
 S3.2



NOTE: THREADED REBAR COUPLERS SHALL BE TYPE 2 PER UBC SECTION 1921.2.6.1.2

FRAME BEAM ELEVATION AT GRID '1'

NO SCALE

1
 S3.2

BERRYMAN & HENIGAR APPROVED

REVISIONS BY: [Signature]
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR APPROVED
 MAR 09 2005

[Signature]



SHEET TITLE
FRAME BEAM ELEVATIONS

DATE	SCALE
07/28/04	NONE
DRAWN BY	CHECKED BY
MDN	
DRAWING NO.	SHEET
PROGRAM NO.	R. NO.
DRAWING NO.	

S3.2
 PROJECT NO.
 HNA 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:

Architect - Planning Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670

Design Architect
 Wenell Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

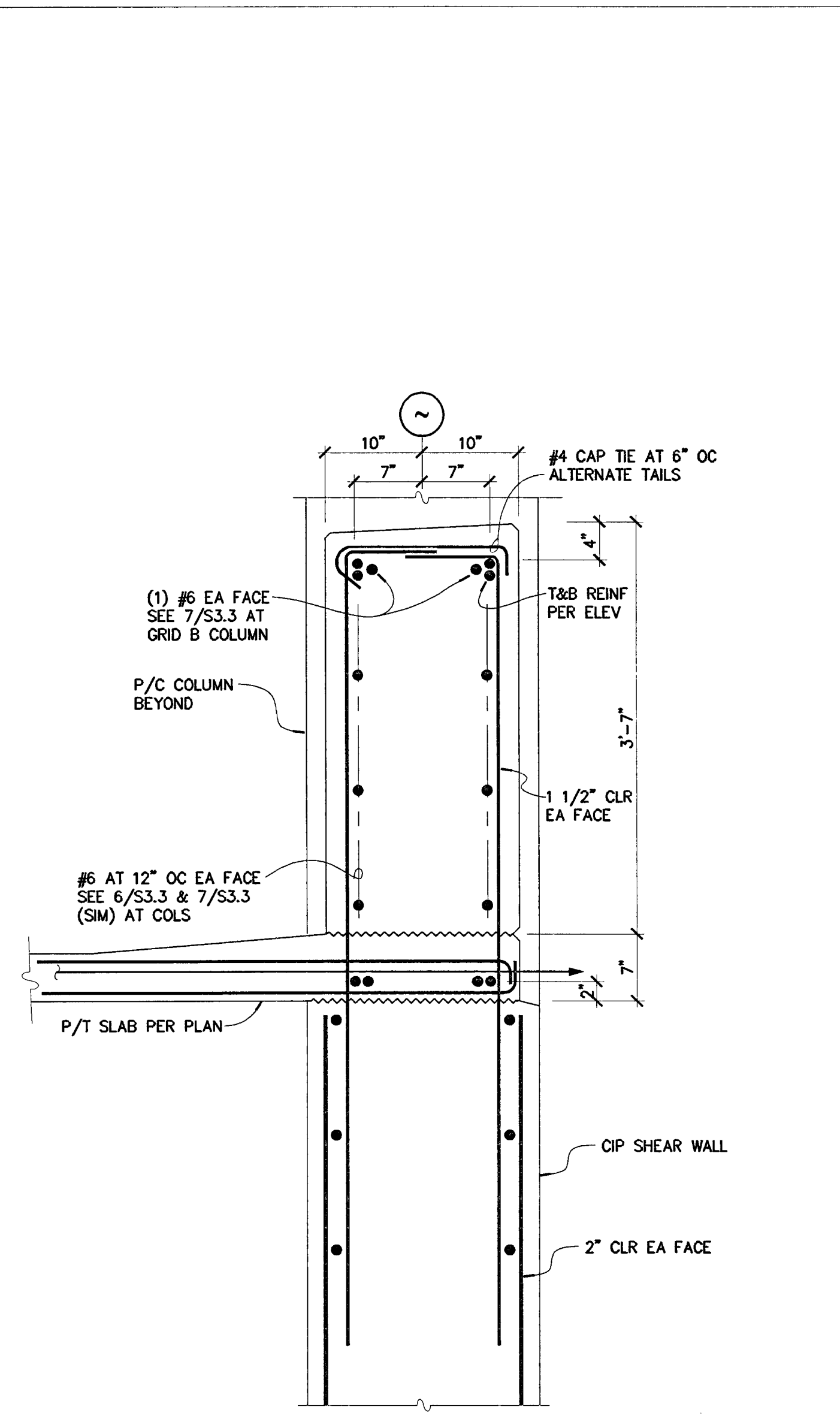
Structural Engineer
 Jessen-Wright Structural Engineers
 113 West 5th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civ Engineer
 Siegfried Engineering, Inc.
 4945 Coronado Avenue
 Stockton, California 95204
 209.943.2021

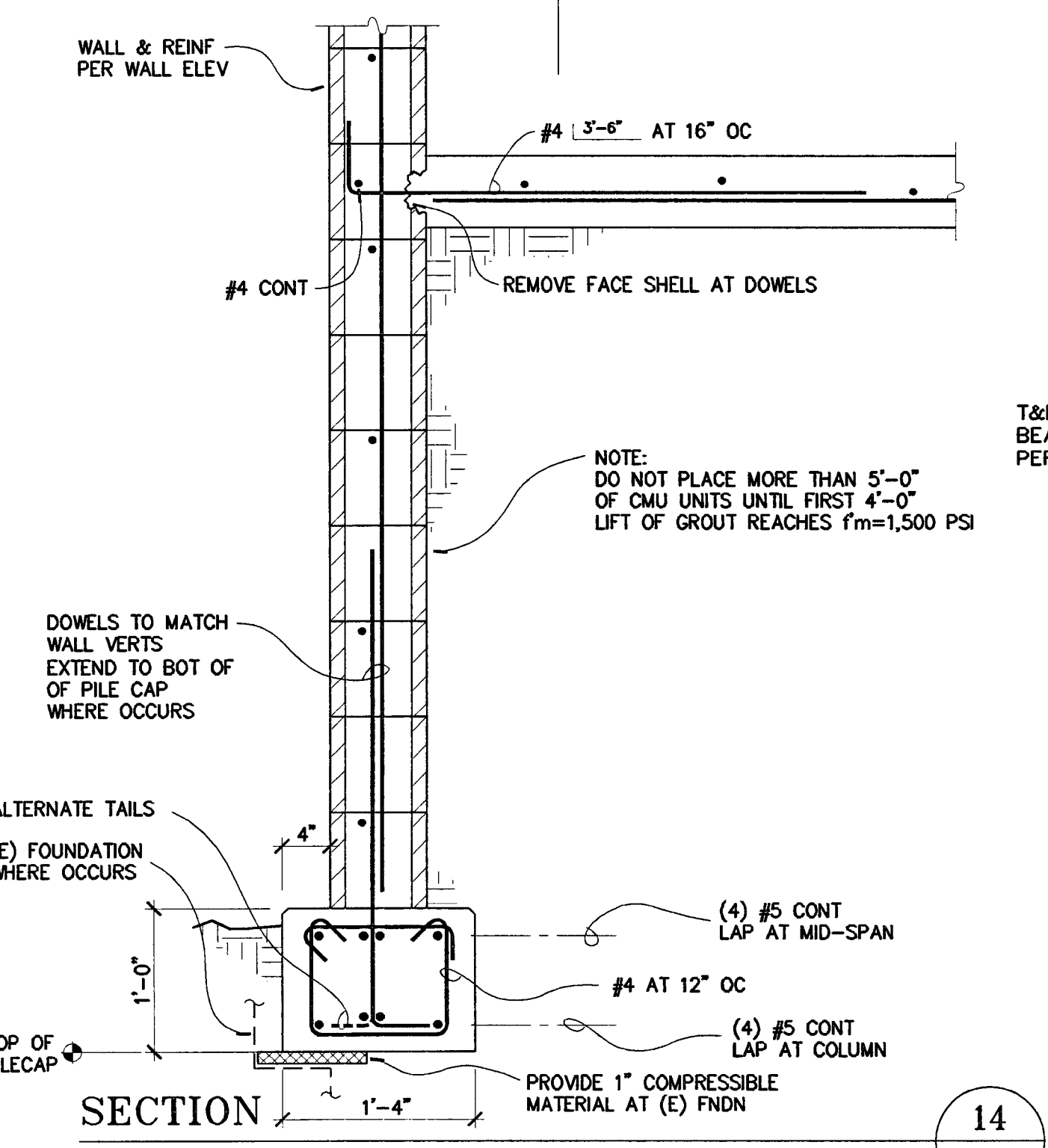
Planning Designer - Designer/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Designer/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

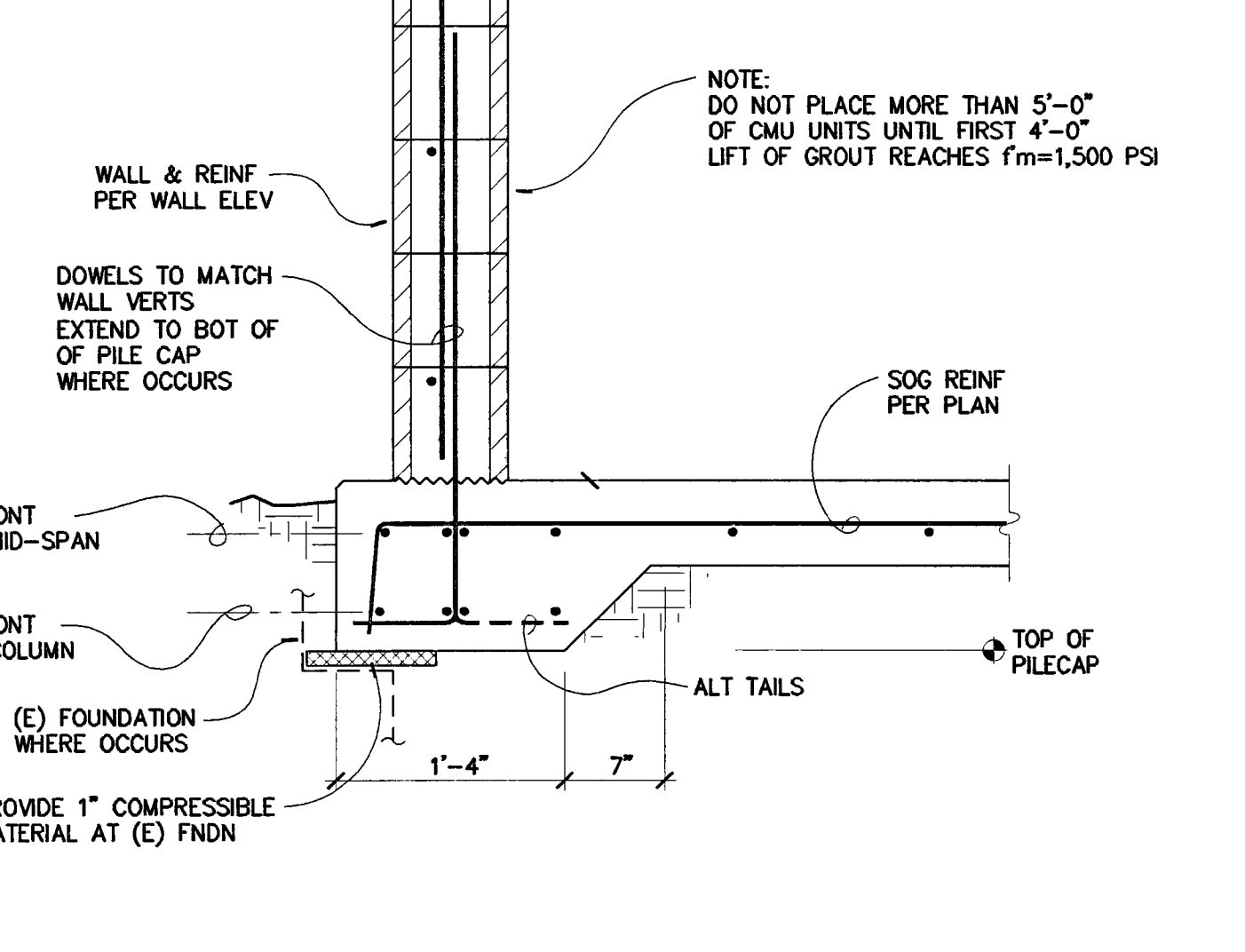
Mechanical Designer - Designer/Builder
 Comfort Air
 9507 Turlock Road
 Stockton, California 95201
 209.466.4601



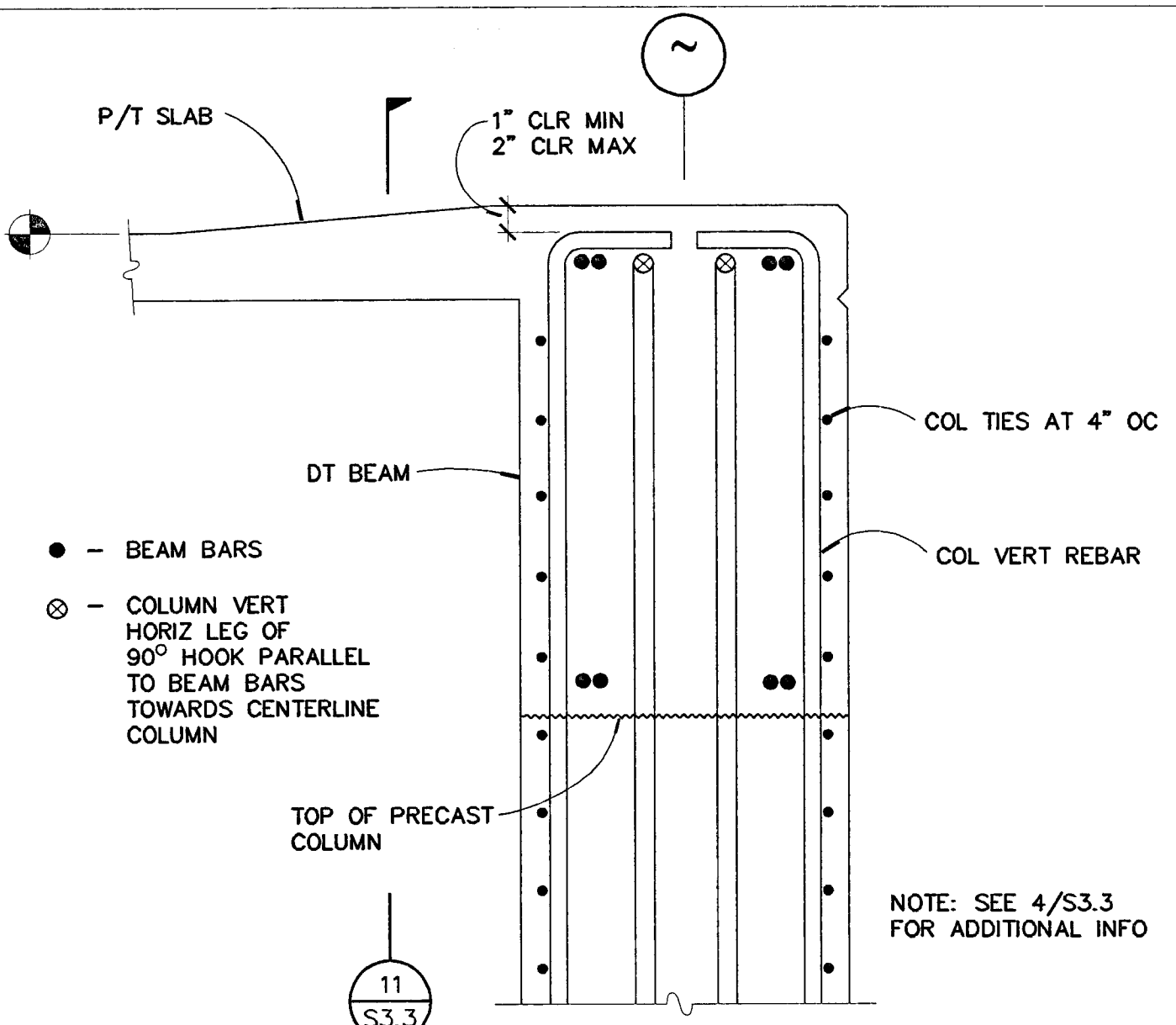
SECTION 15
 NO SCALE
 S3.3



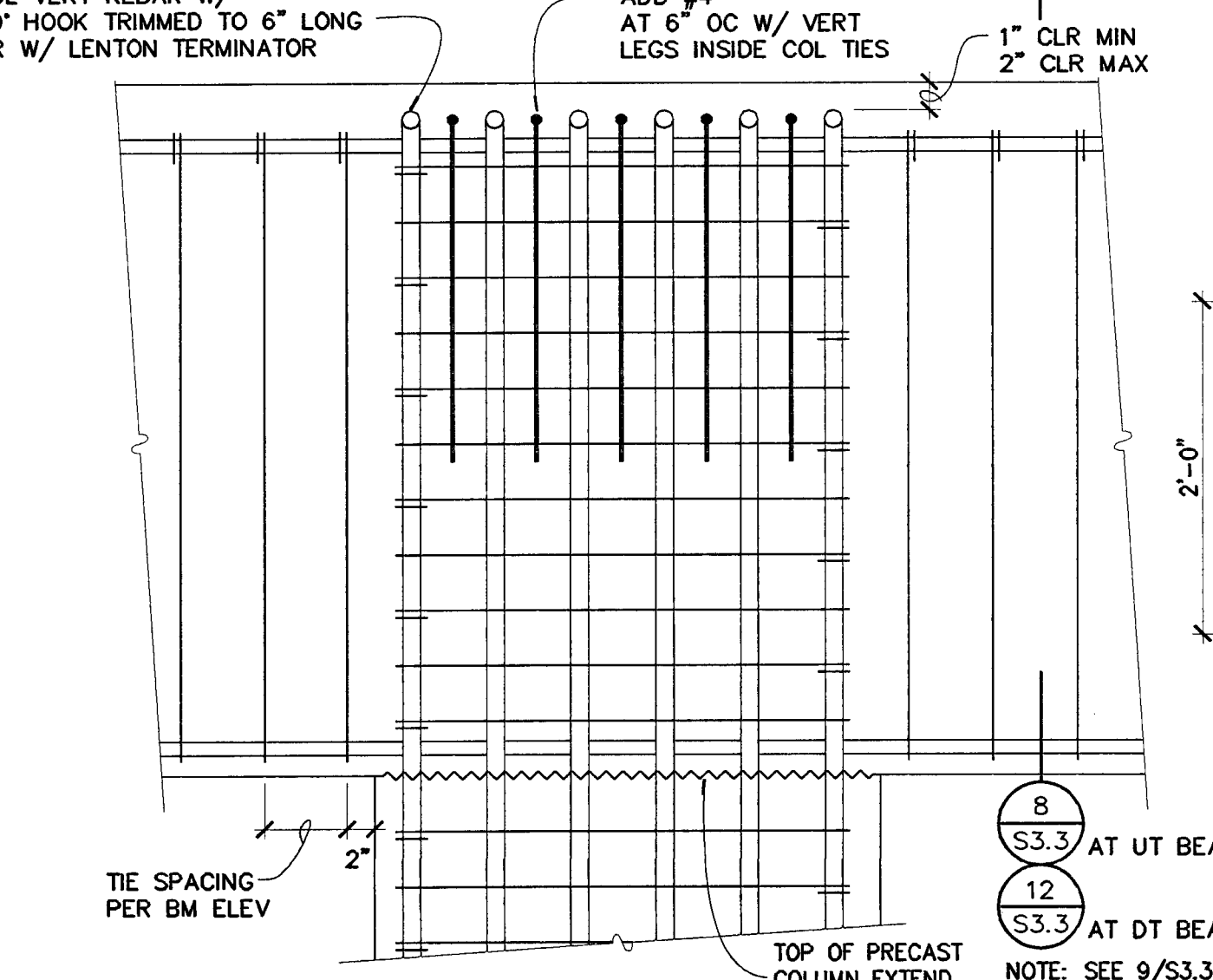
SECTION 14
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 S3.3



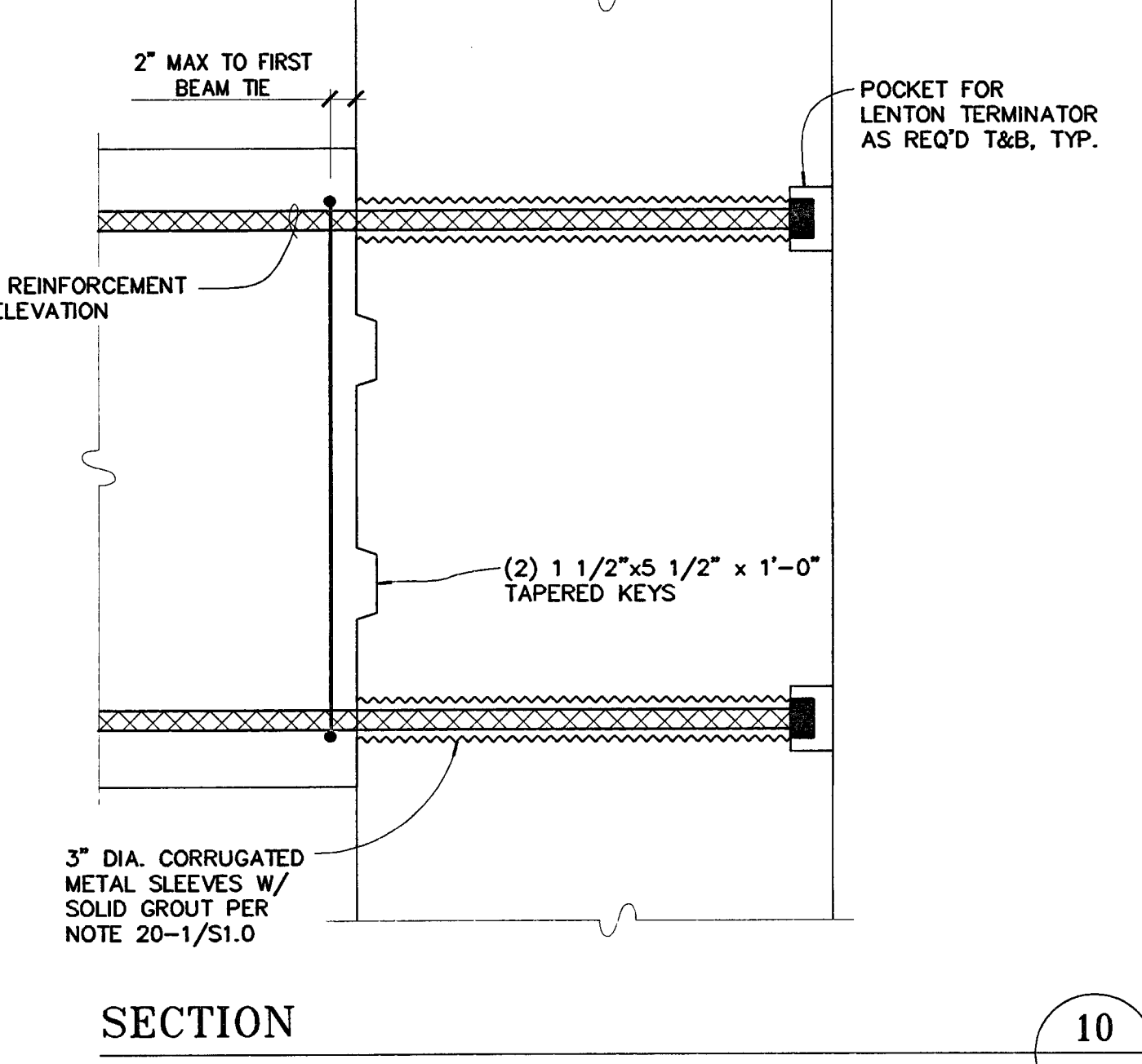
SECTION 13
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 S3.3



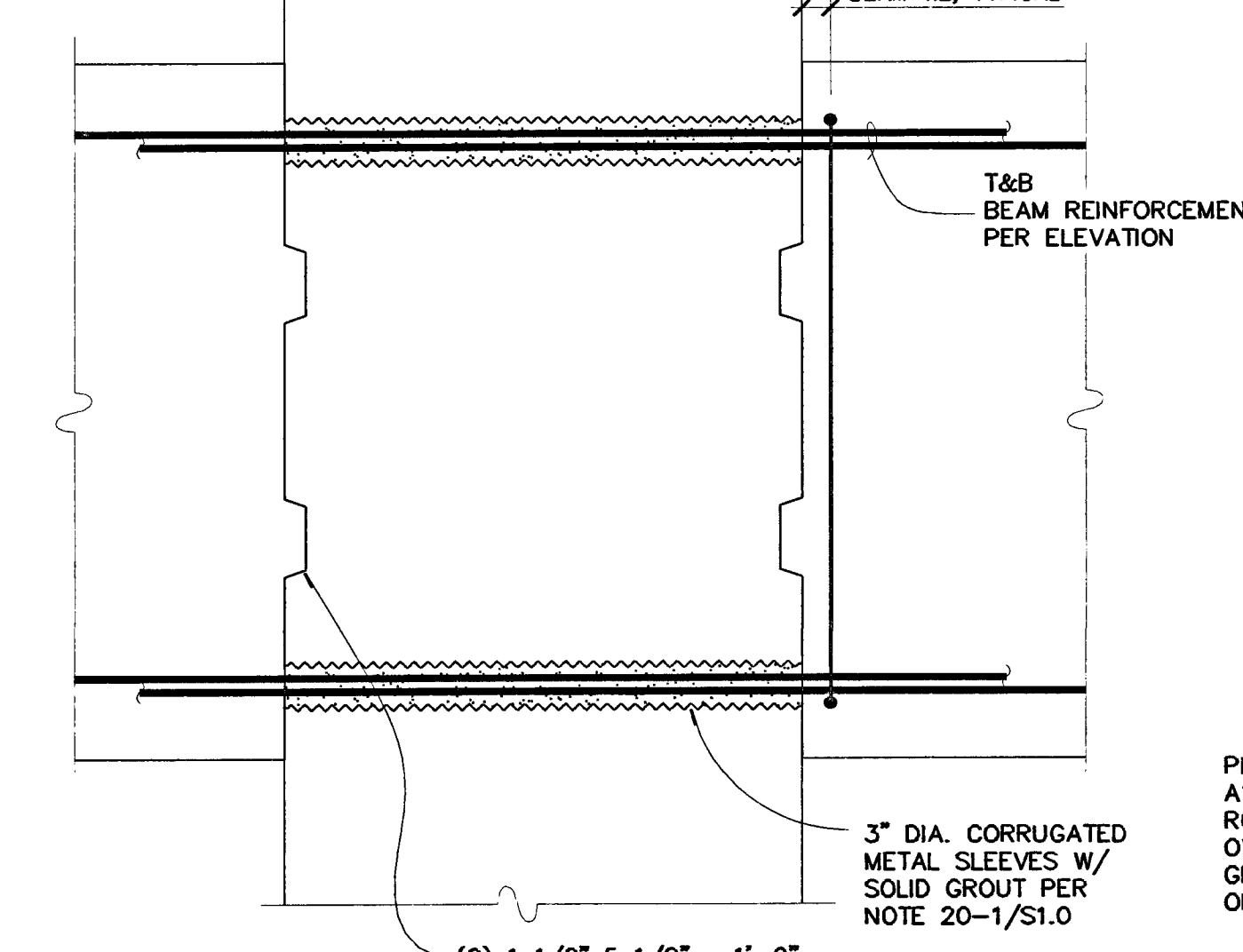
SECTION 12
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 S3.3



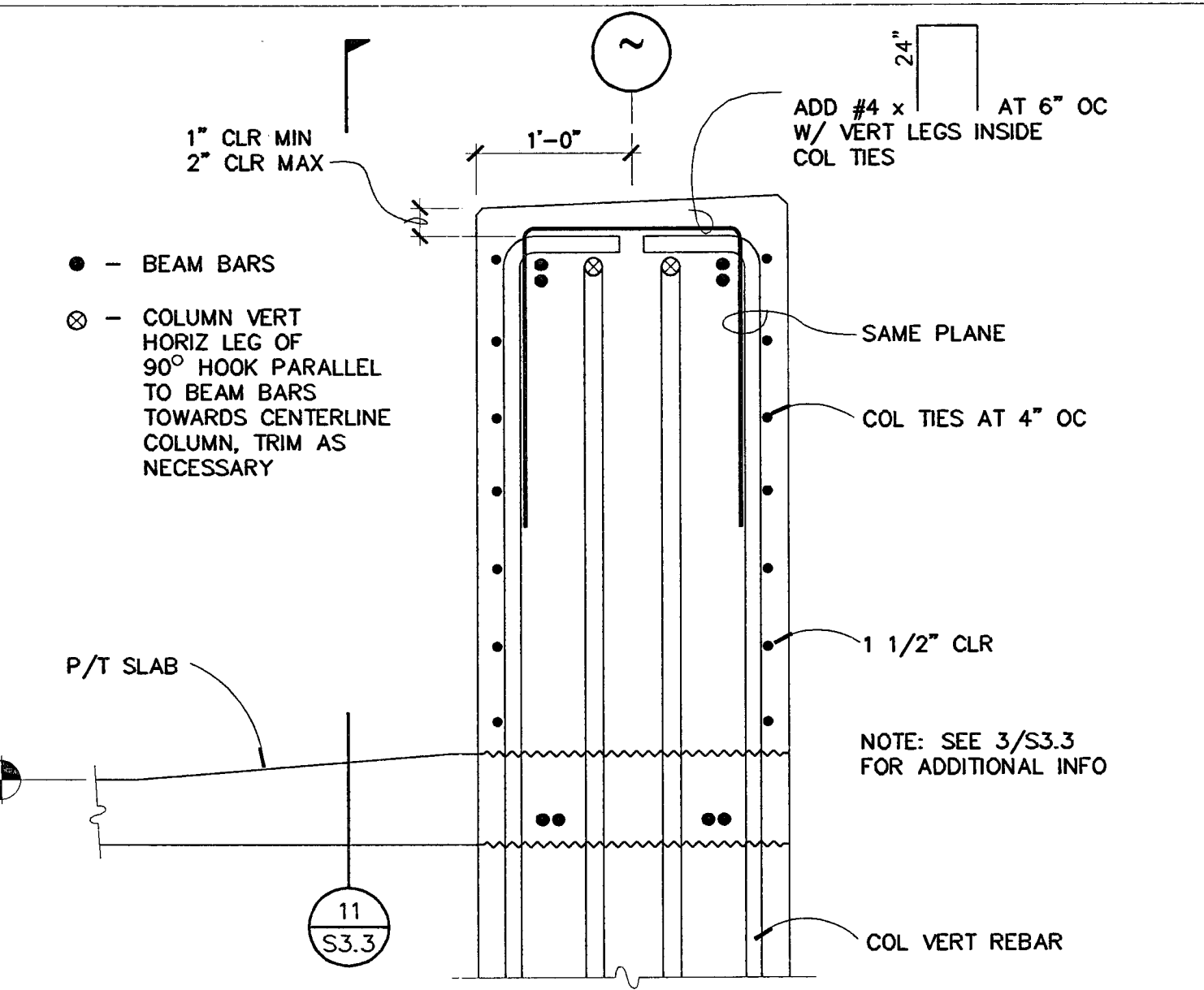
SECTION 11
 NO SCALE
 S3.3



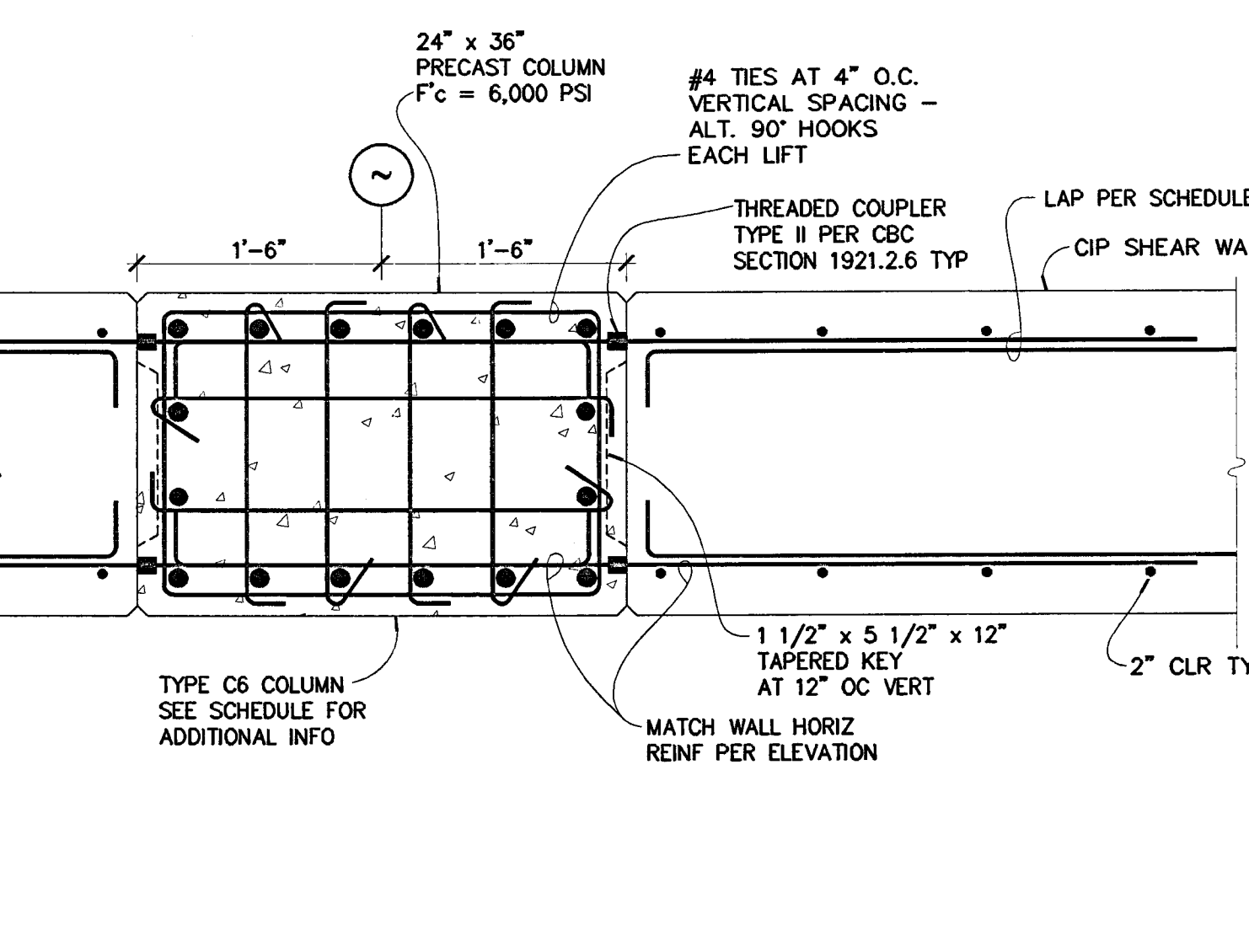
SECTION 10
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 S3.3



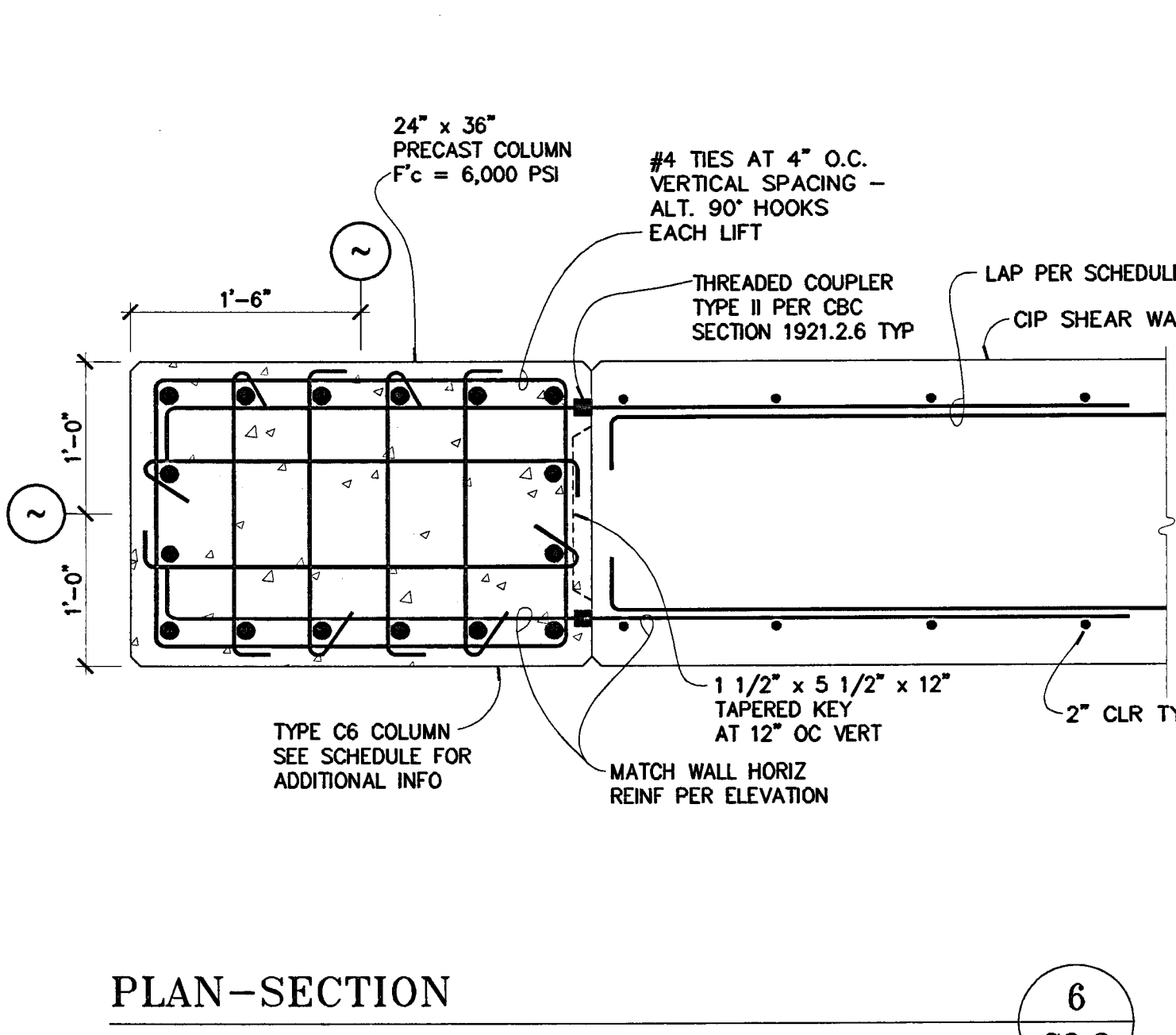
SECTION 9
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 S3.3



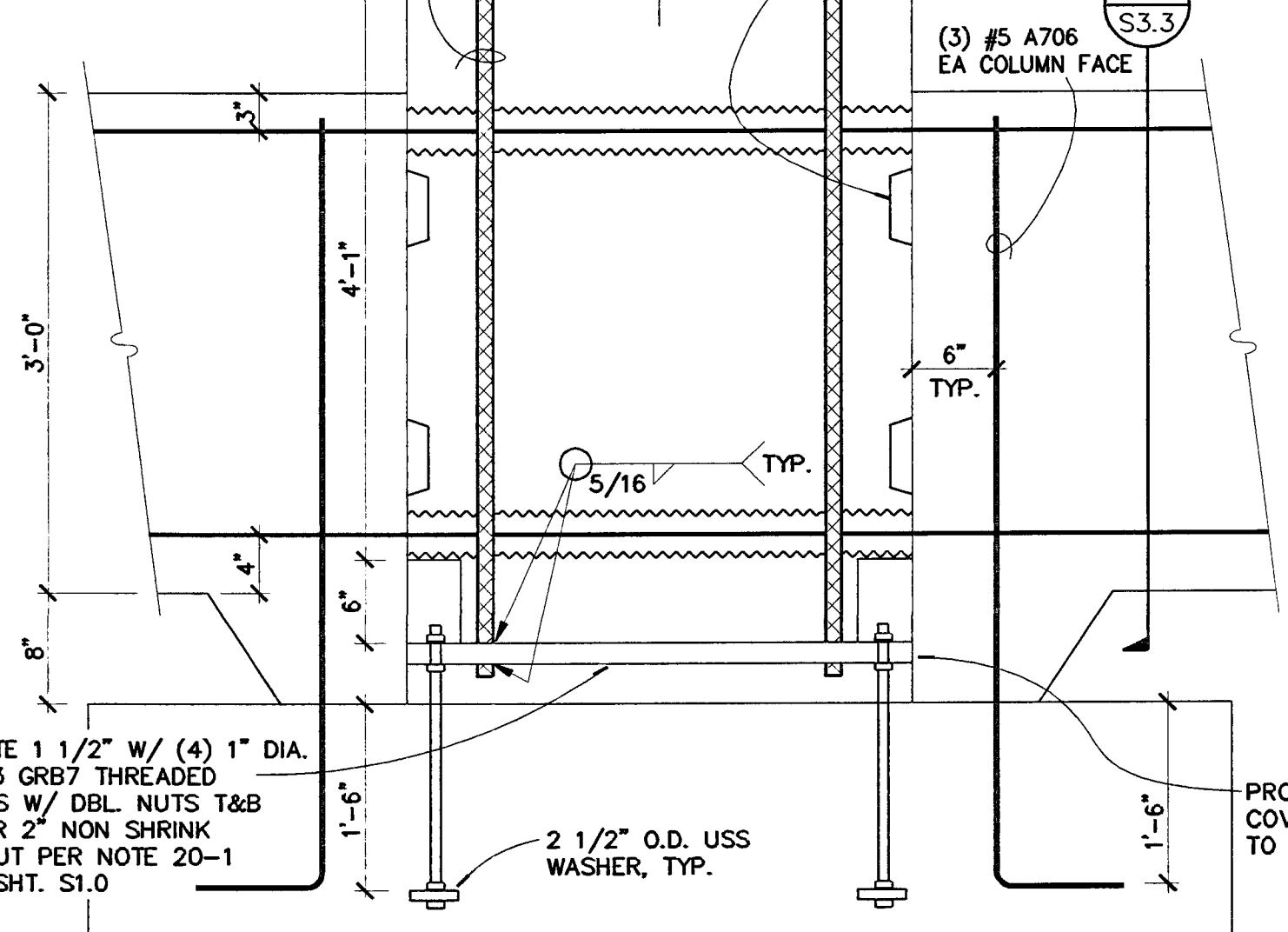
SECTION 8
 NO SCALE
 S3.3



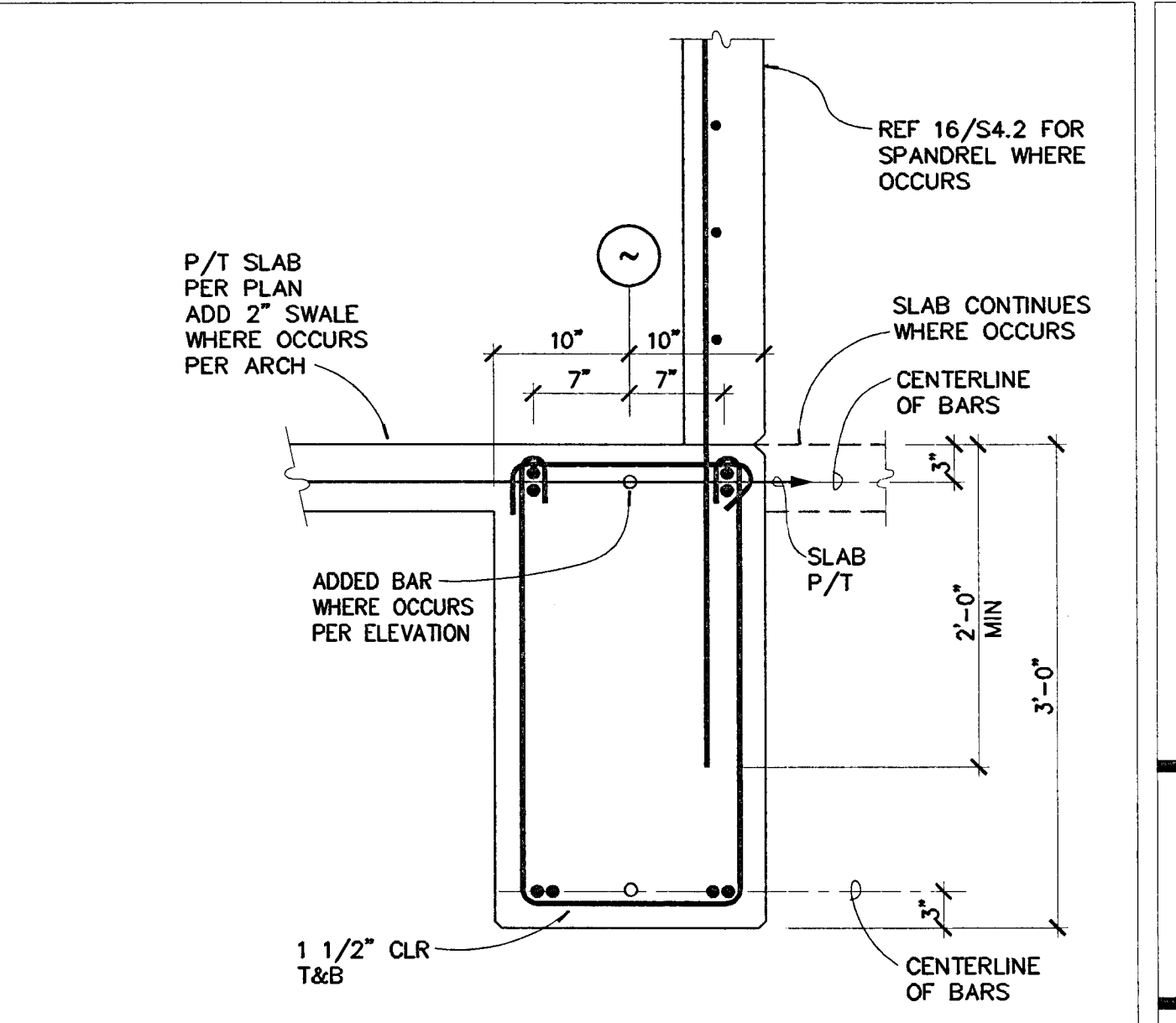
SECTION 7
 NO SCALE
 S3.3



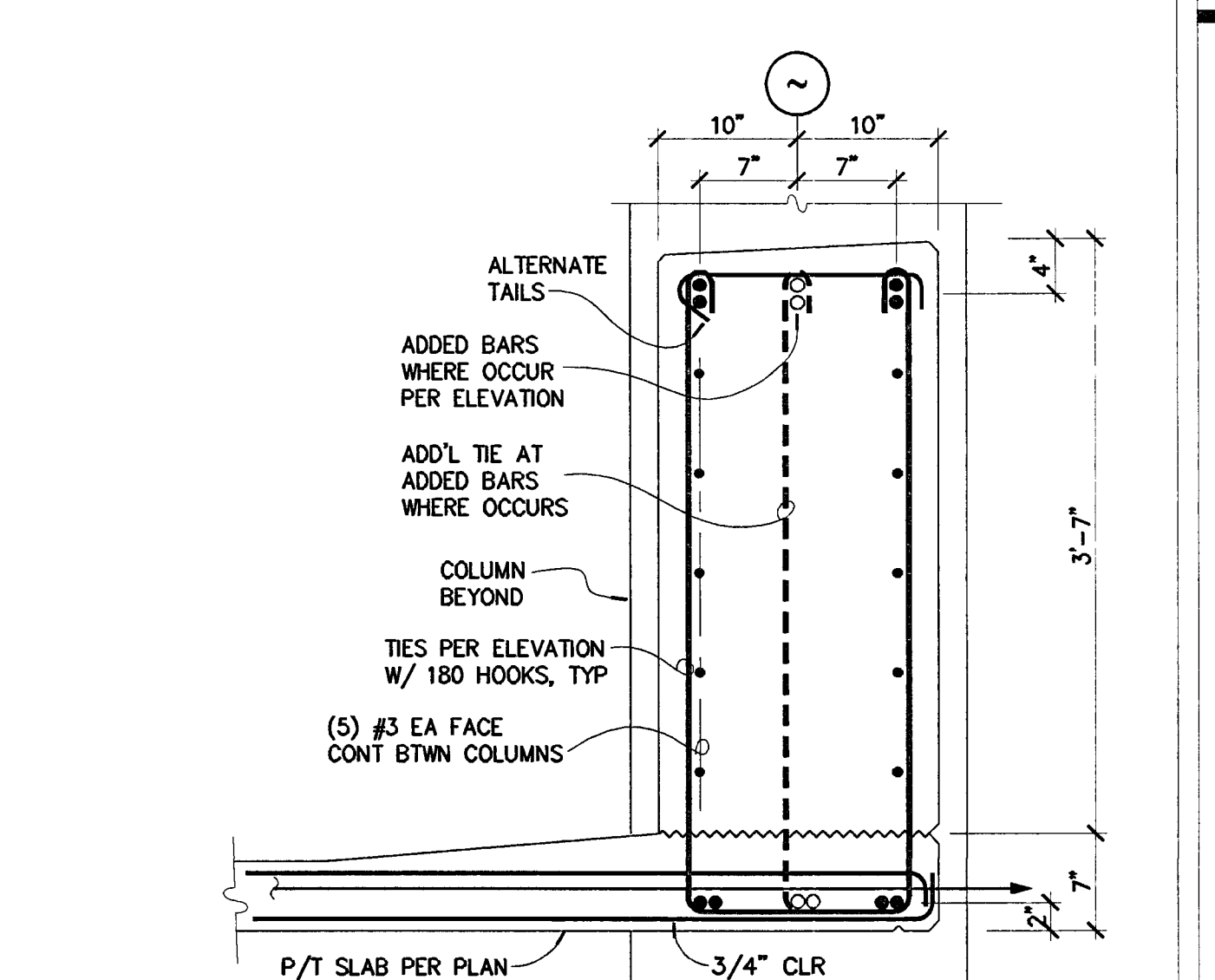
SECTION 6
 NO SCALE
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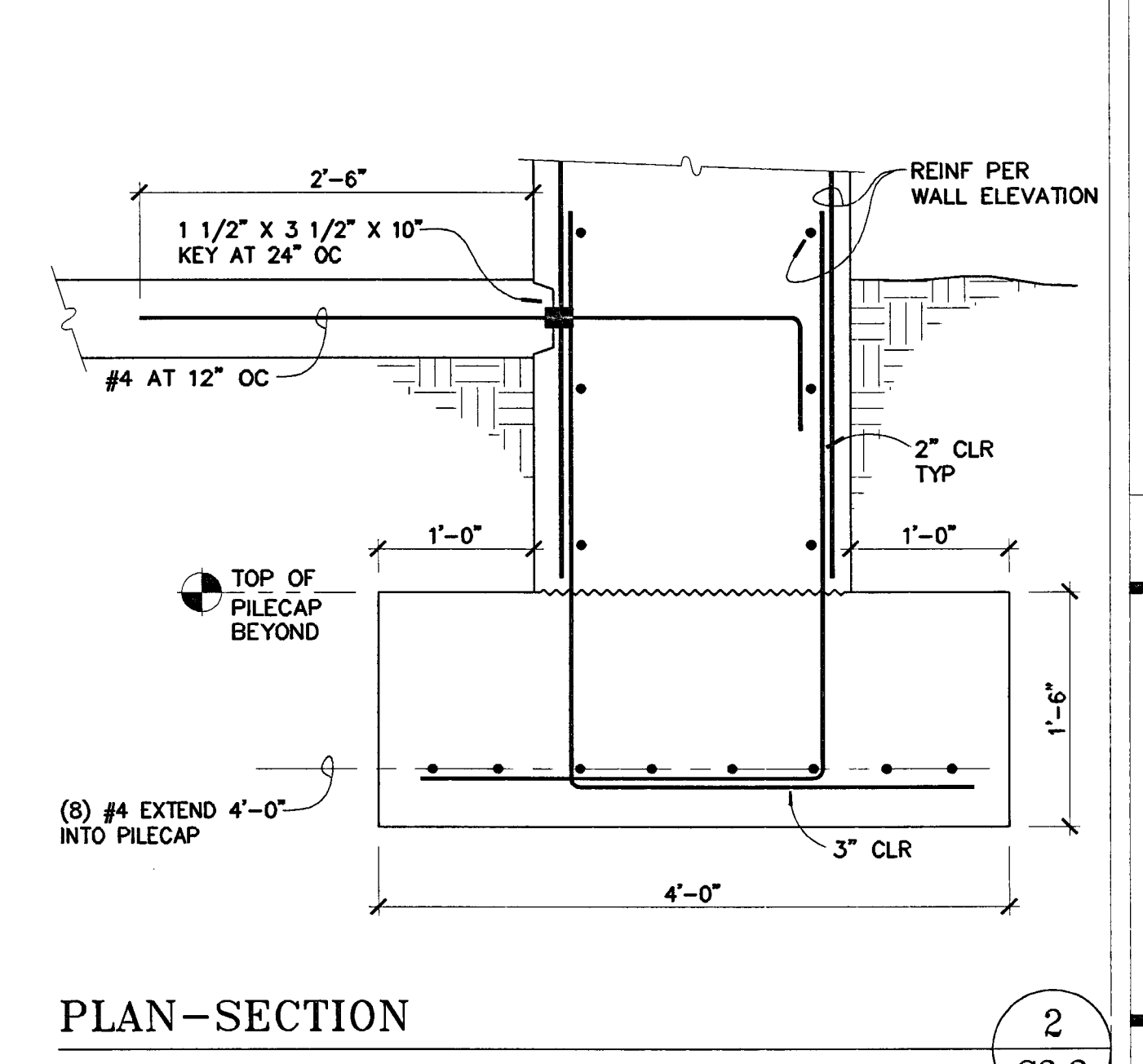
SECTION 5
 NO SCALE
 S3.3



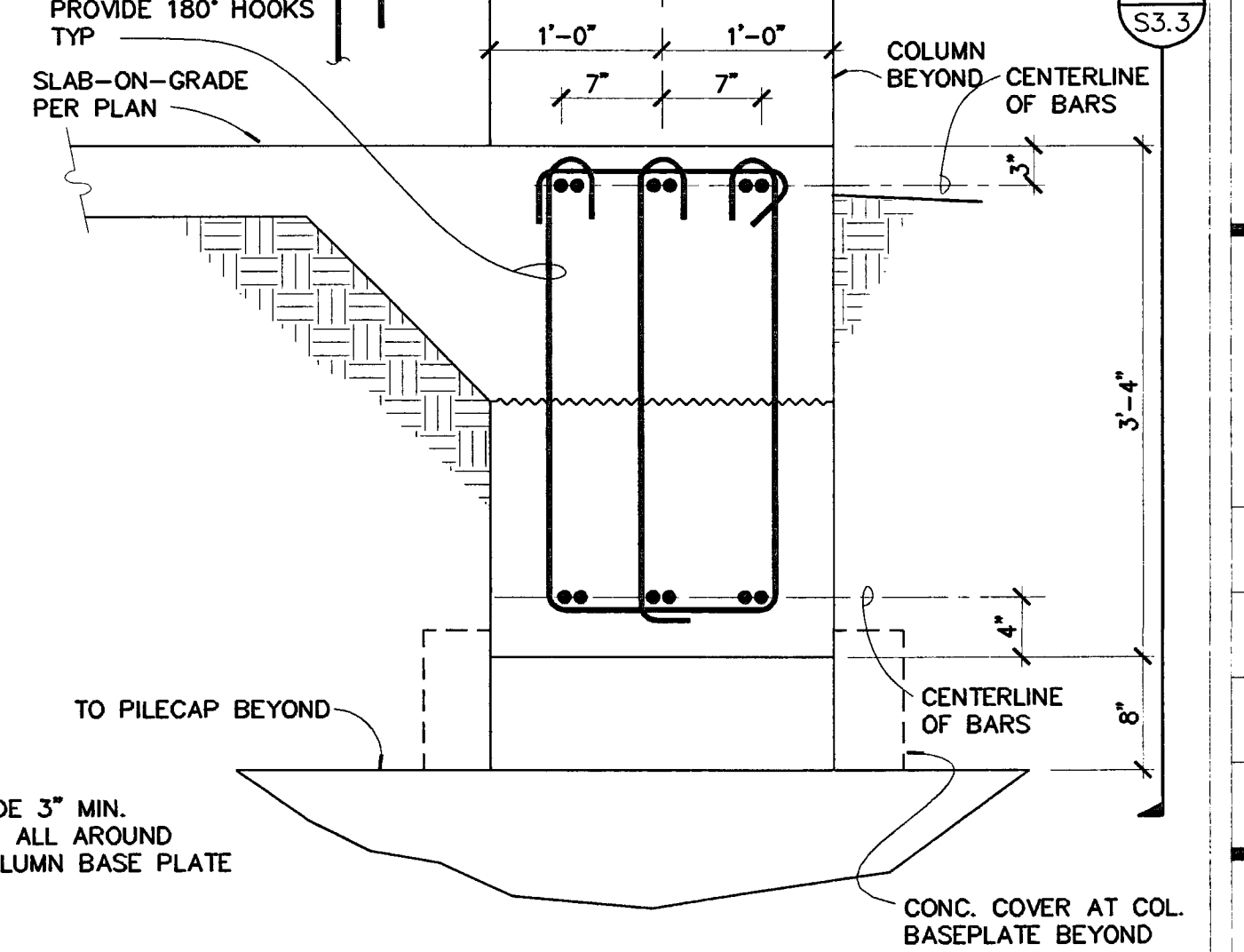
SECTION 4
 NO SCALE
 S3.3



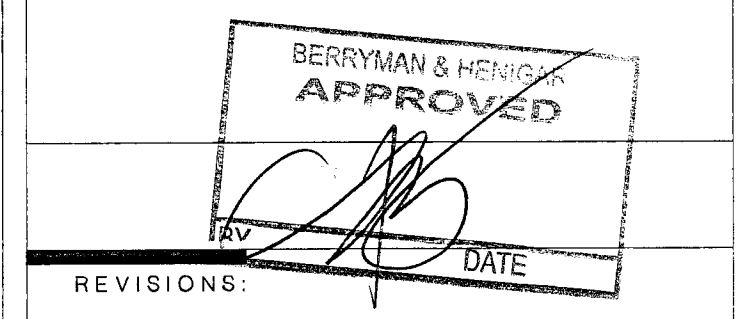
SECTION 3
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 S3.3



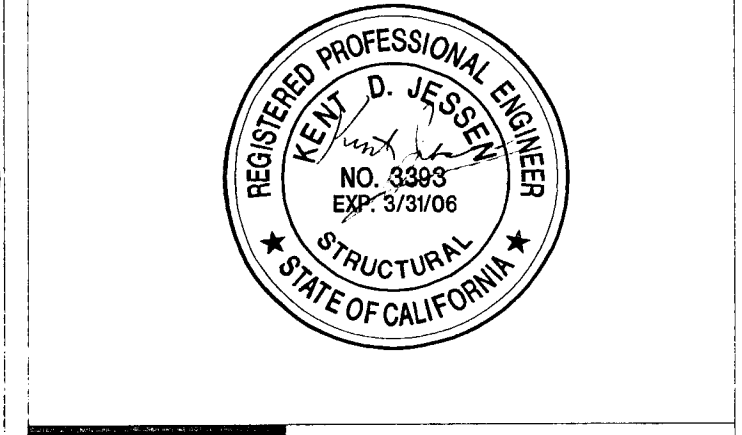
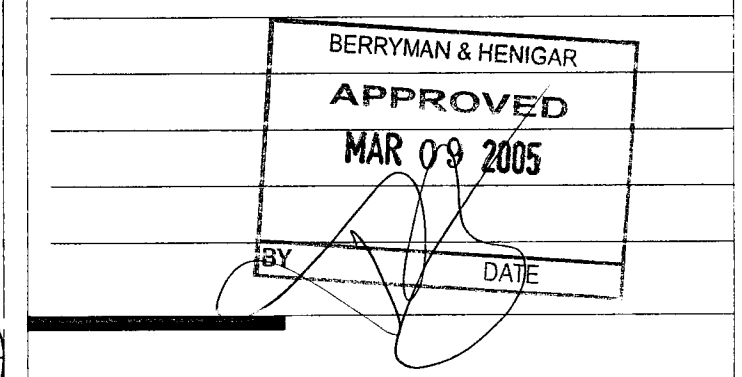
SECTION 2
 NO SCALE
 S3.3



SECTION 1
 NO SCALE
 S3.3



REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK



SHEET TITLE
CONCRETE DETAILS

DATE 07/28/04	SCALE 1" = 1'-0"
DRAWN BY MDN	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.
DRAWING NO. S3.3	
PROJECT NO. HNA 2319	

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4845 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
Architect - Parking Consultant
HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palms Verdes, California 90275
 310.544.8670

Design Architect
Wendell Matthois Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

Structural Engineer
Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

Plumbing Designer - Design/Builder
HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
 1507 Turnpike Road
 Stockton, California 95201
 209.466.4601

BERRYMAN & HENIGAR
APPROVE
 BY: _____ DATE: _____

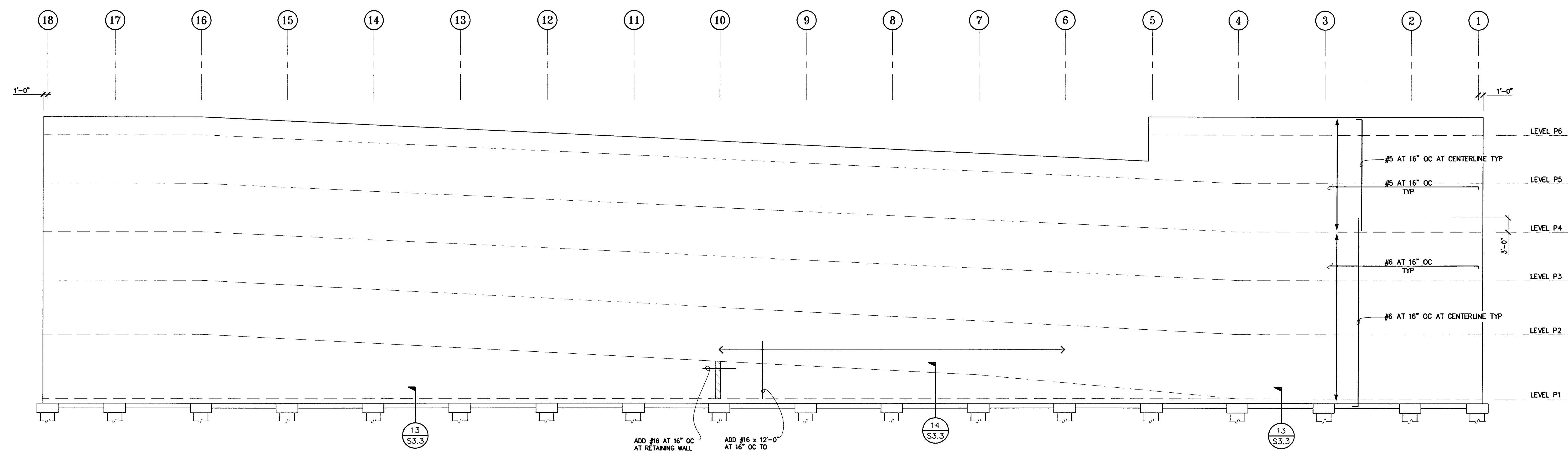
REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR
APPROVE
 MAR 09 2005
 BY: _____ DATE: _____



WALL ELEVATIONS

DATE	SCALE
07/28/04	3/32" = 1'-0"
DRAWN BY	CHECKED BY
MDN	
DRAWING NO.	SHEET
PROGRAM NO.	R-N.O.
DRAWING NO.	S3.4
PROJECT NO.	HNA 2319



SHEAR WALL ELEVATION AT GRID 'C'
 NO SCALE

- NOTES:**
- 5" CMU F_m=1,500 PS
 - REBAR POSITIONING REQUIRED PER 2/54.5
 - LAP PER NOTE 5-6 S1.0
 - SEE DETAILS 13/S3.3 AND 14/S3.3 FOR ADD'L GROUT PLACEMENT REQUIREMENTS
 - SEE PLANS FOR CONNECTIONS TO SLABS

1
S3.4

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:

Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palms Verdes, California 90275
 310.544.8670

Design Architect
 Wansil Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

Structural Engineer
 Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530.894.5345

Civil Engineer
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 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

Plumbing Designer - Design/Builder
 HFM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
 Comfort Air
 7807 Turpike Road
 Stockton, California 95201
 209.466.4601

BERRYMAN & HENIGAR
 APPROVED
 DATE

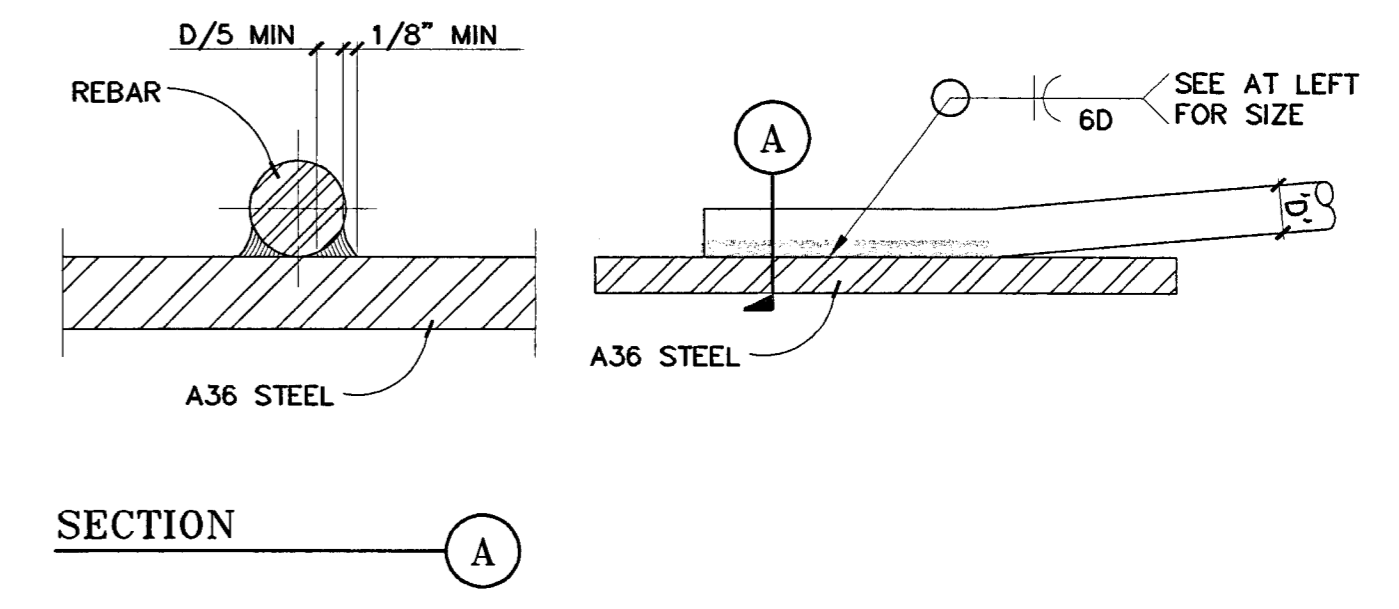
REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR
 APPROVED
 MAR. 09. 2005

REGISTERED PROFESSIONAL ENGINEER
 KEN D. JESSEN
 NO. 3383
 EXP. 3/31/06
 STRUCTURAL
 STATE OF CALIFORNIA

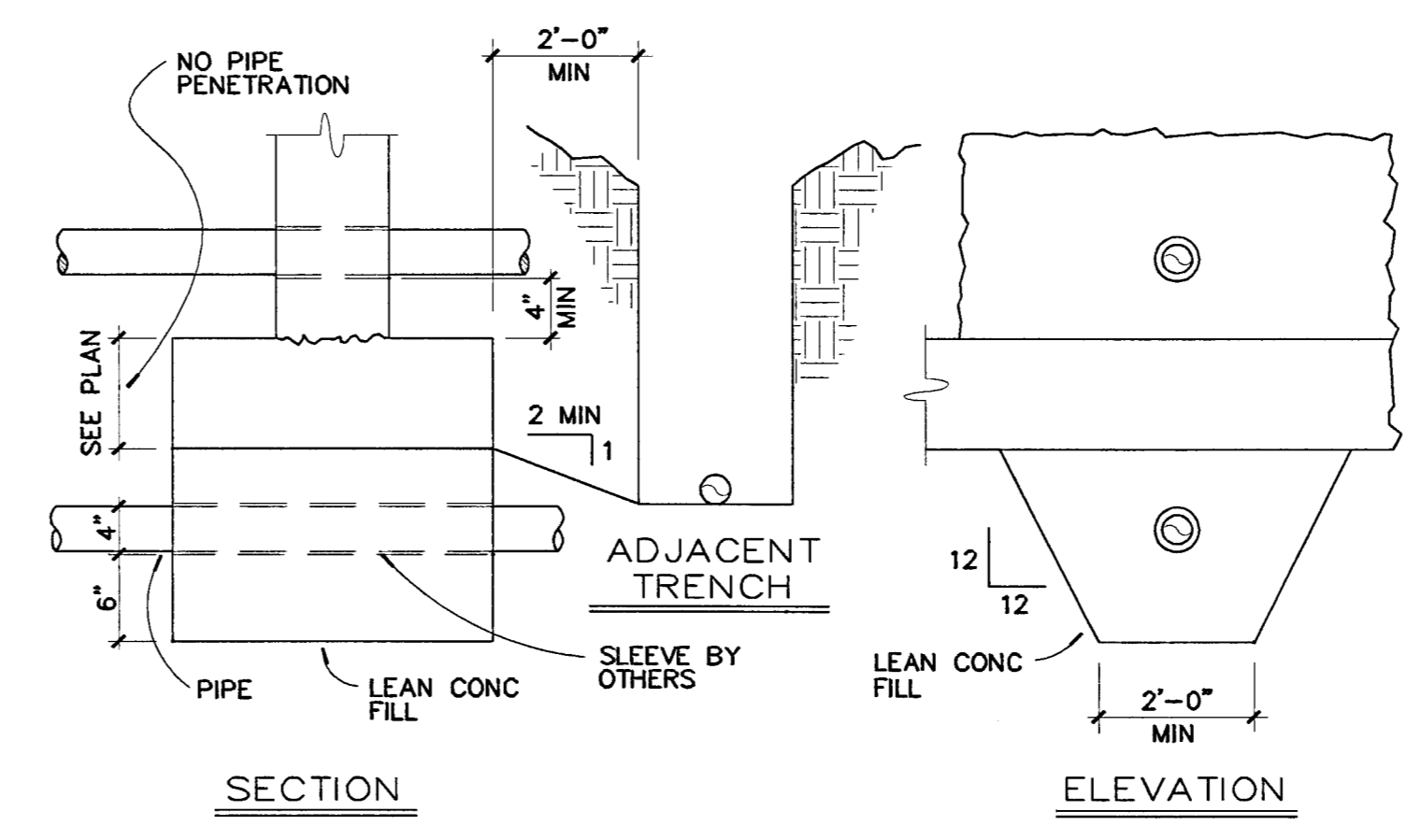
SHEET TITLE
DETAILS

DATE	02/28/04	SCALE	T = 1-0"
DRAWN BY	MATT	CHECKED BY	
DRAWING NO.		SHEET	
PROGRAM NO.		R.NO.	
DRAWING NO.	S4.1		
PROJECT NO.	HNA 2319		

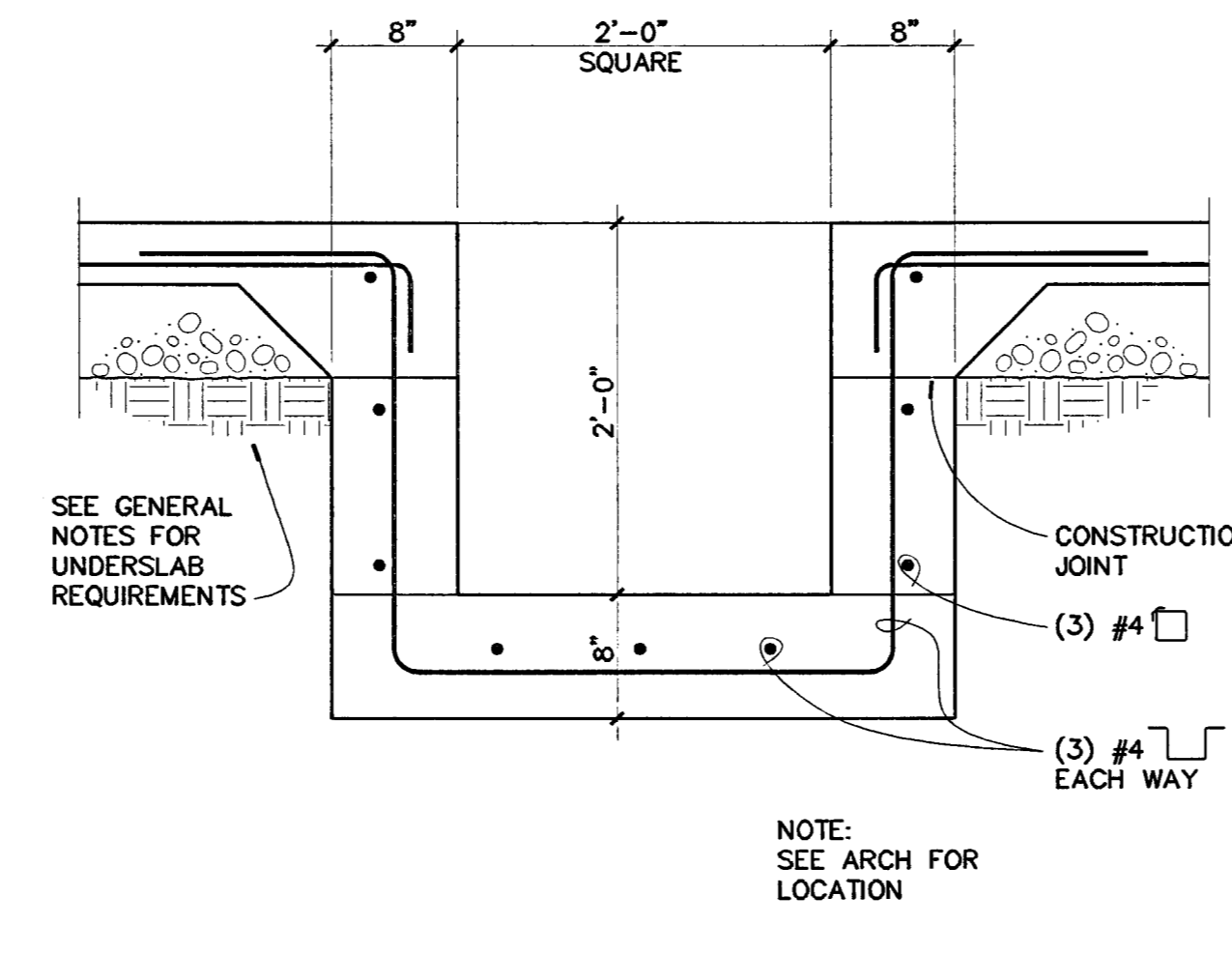


NOTES:
 1. REBAR SHALL BE ASTM A706.
 2. ALL PREHEATING AND WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.4.
 3. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY.

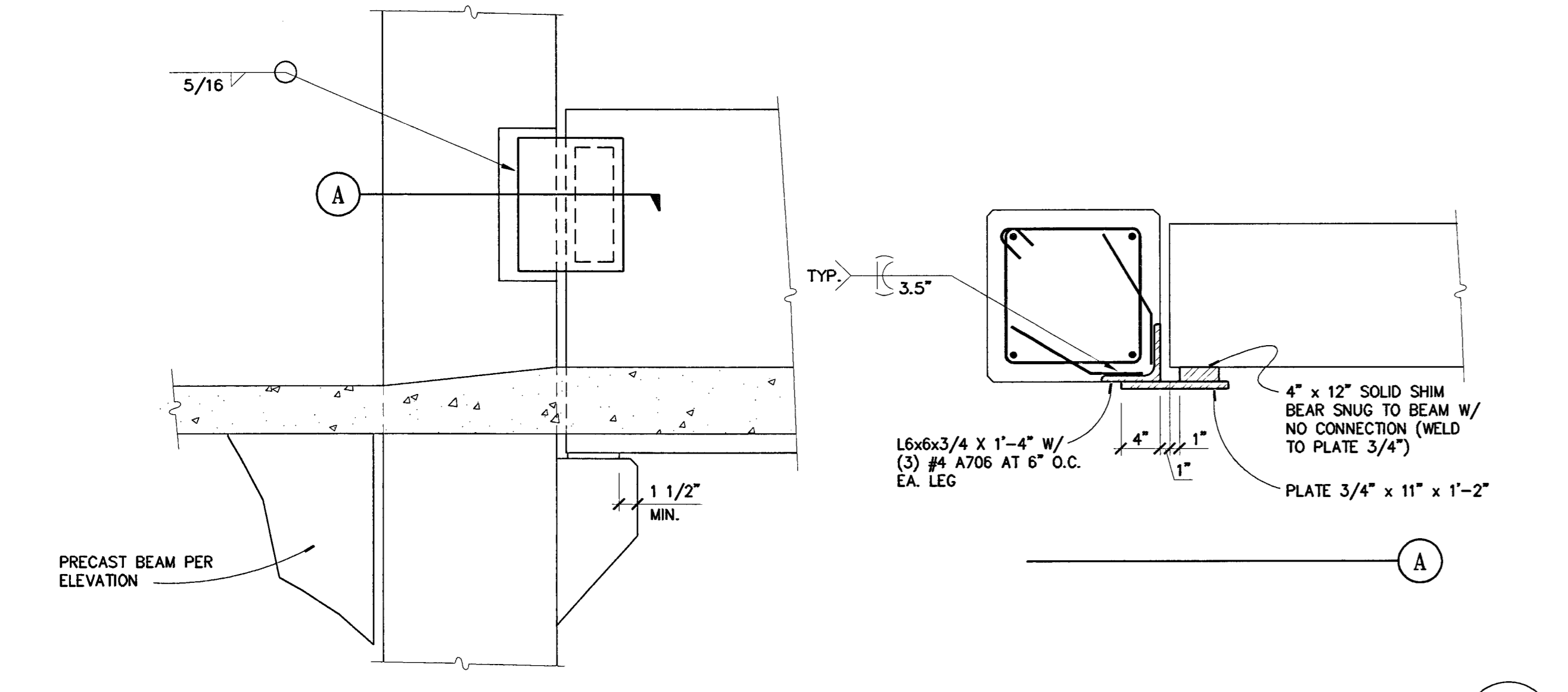
REBAR WELDING DETAIL 4 S4.1



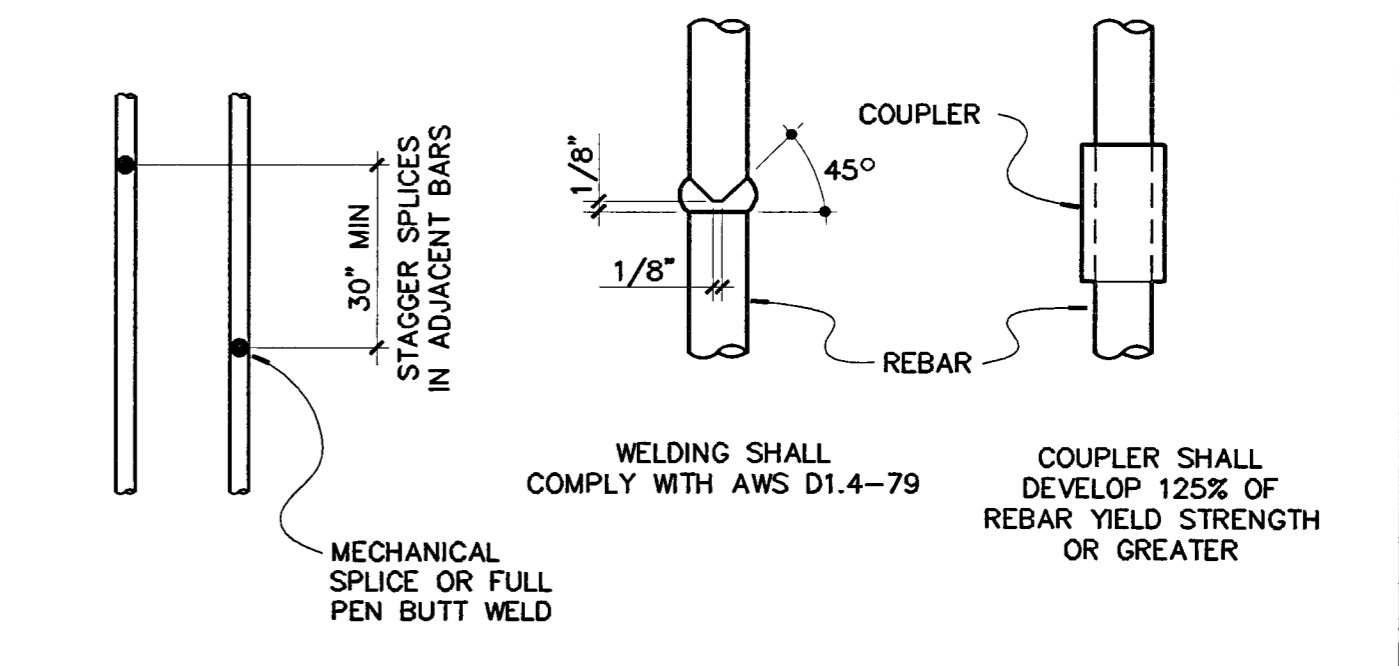
PIPE THRU FOOTING DETAIL 8 S4.1



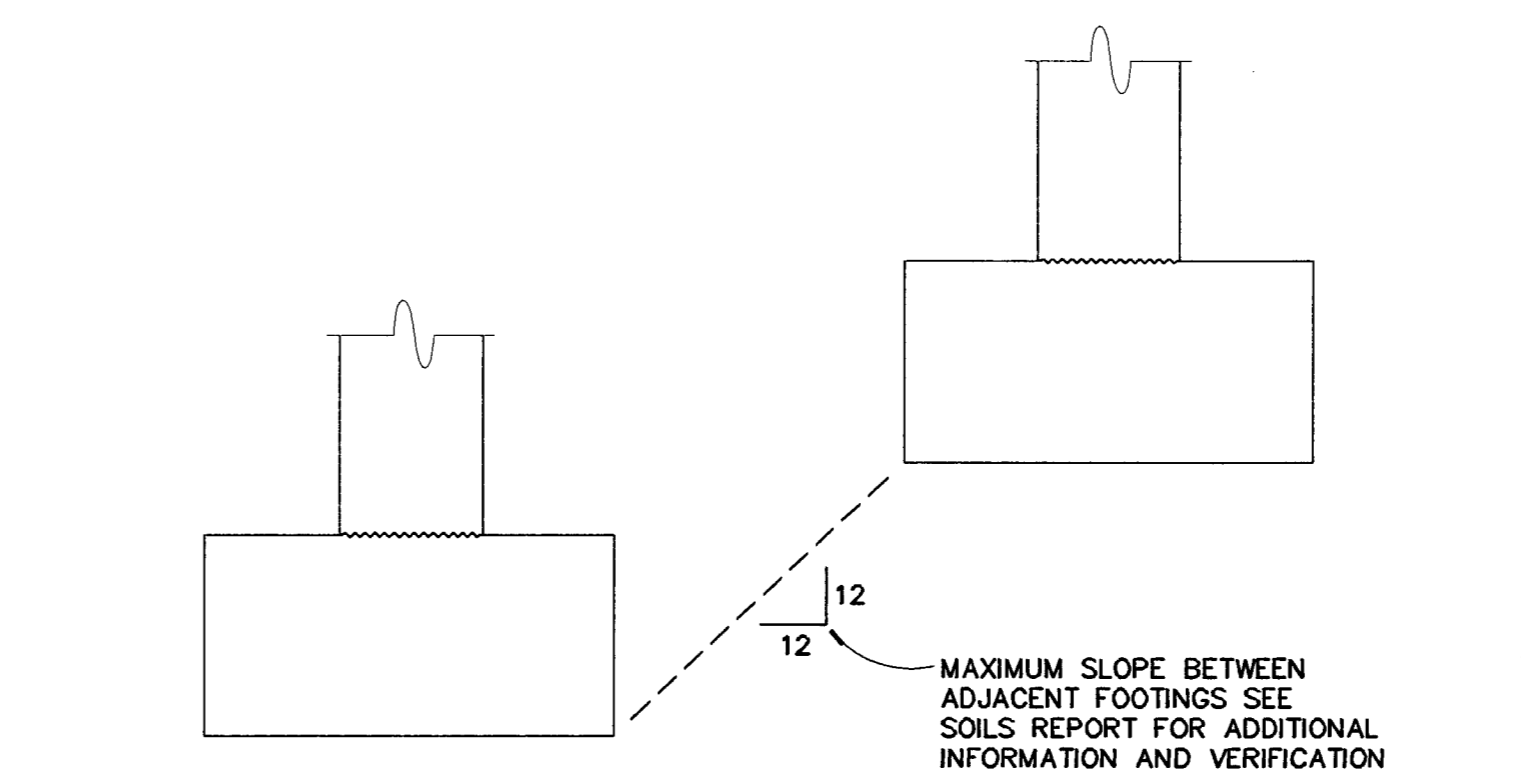
SUMP PUMP PIT DETAIL 12 S4.1



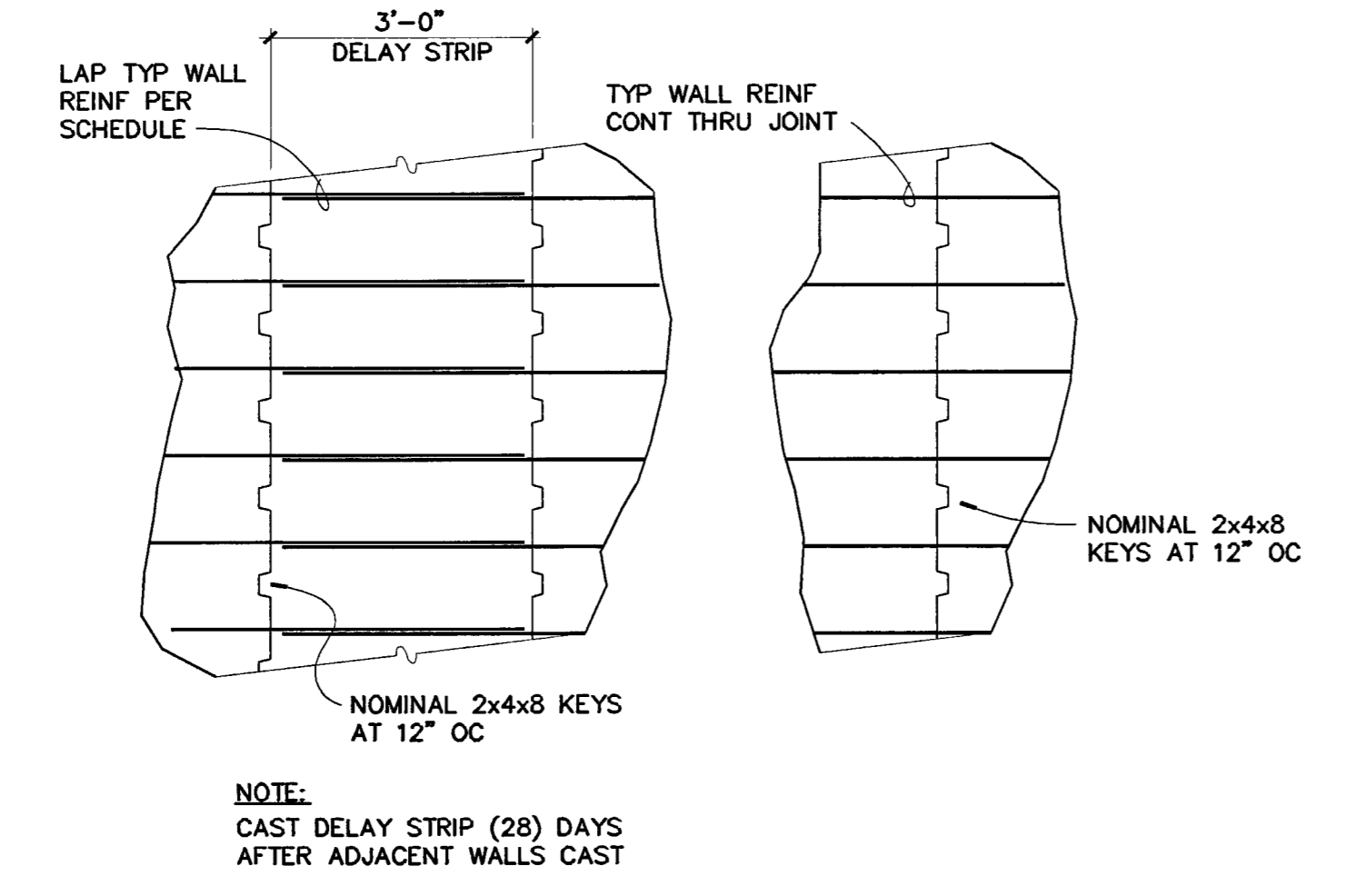
SECTION 16 S4.1



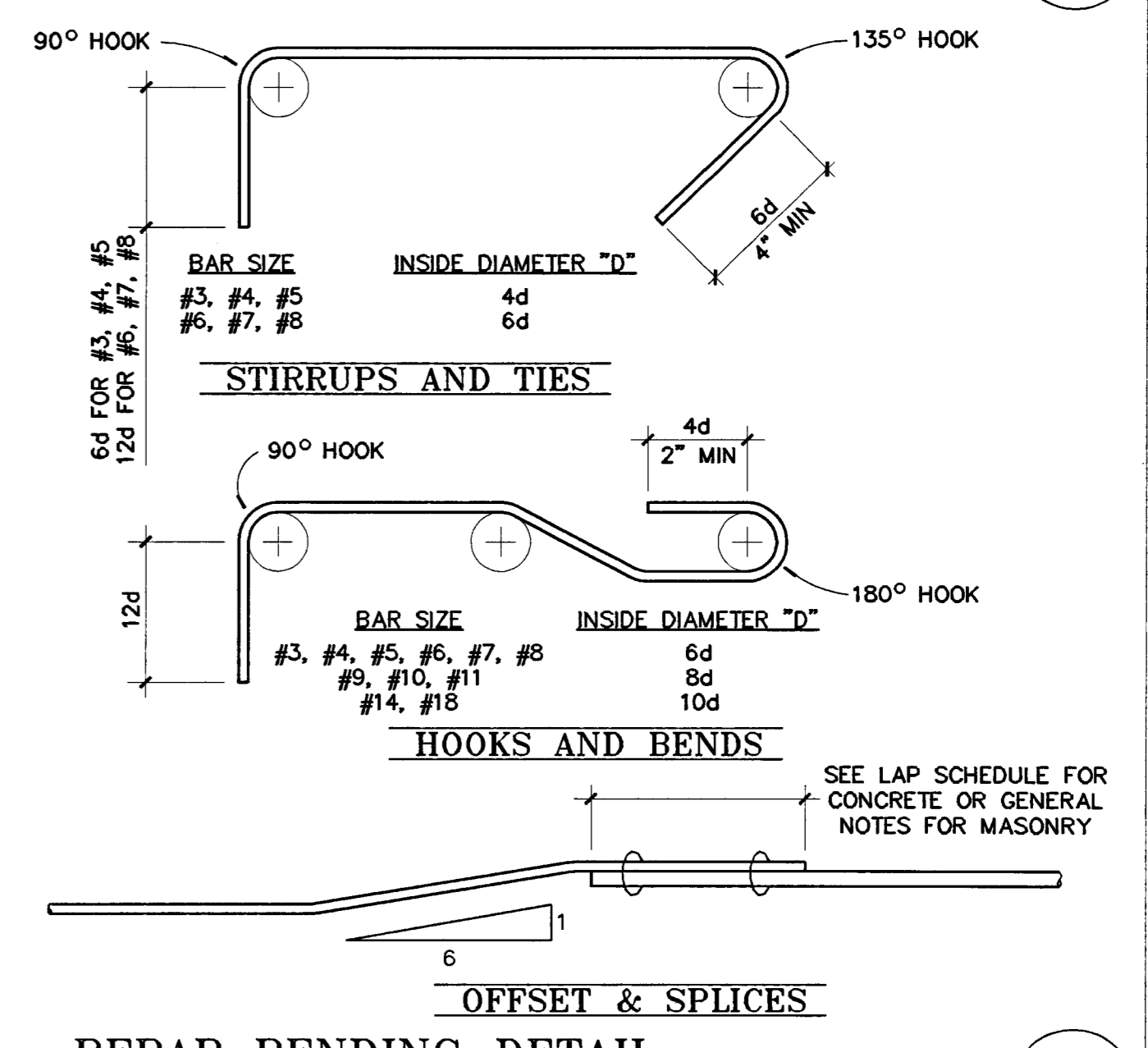
REBAR TENSION SPLICE DETAIL 3 S4.1



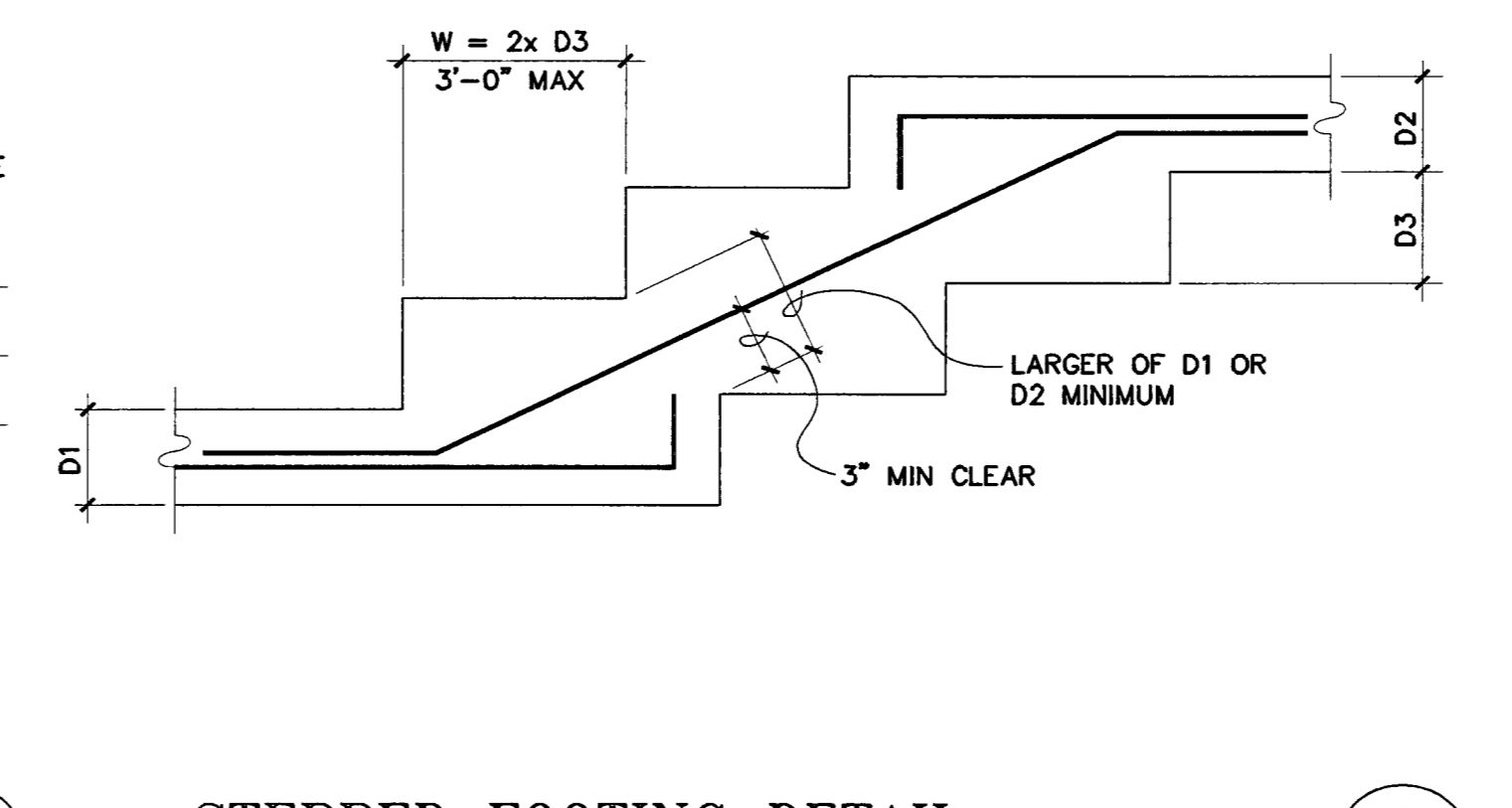
ADJACENT FOOTING DETAIL 7 S4.1



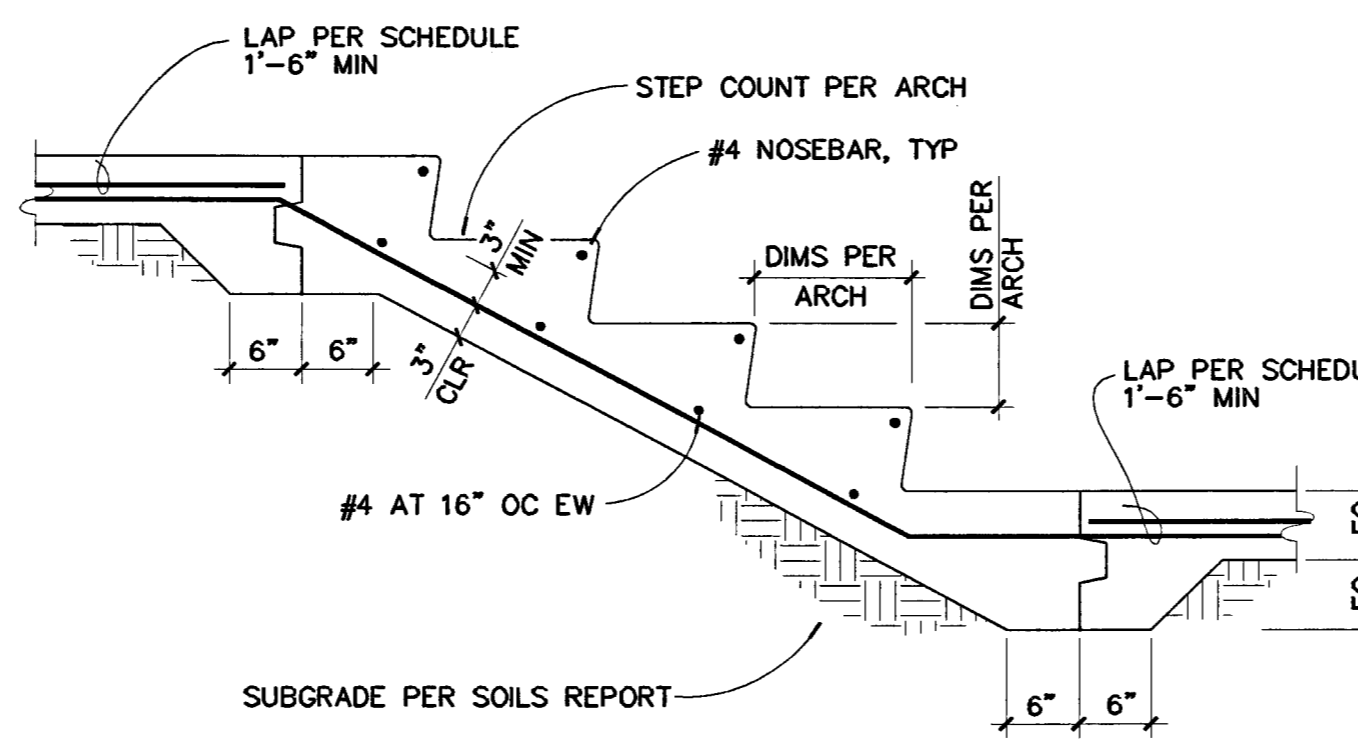
TYPICAL VERTICAL WALL JOINTS 15 S4.1



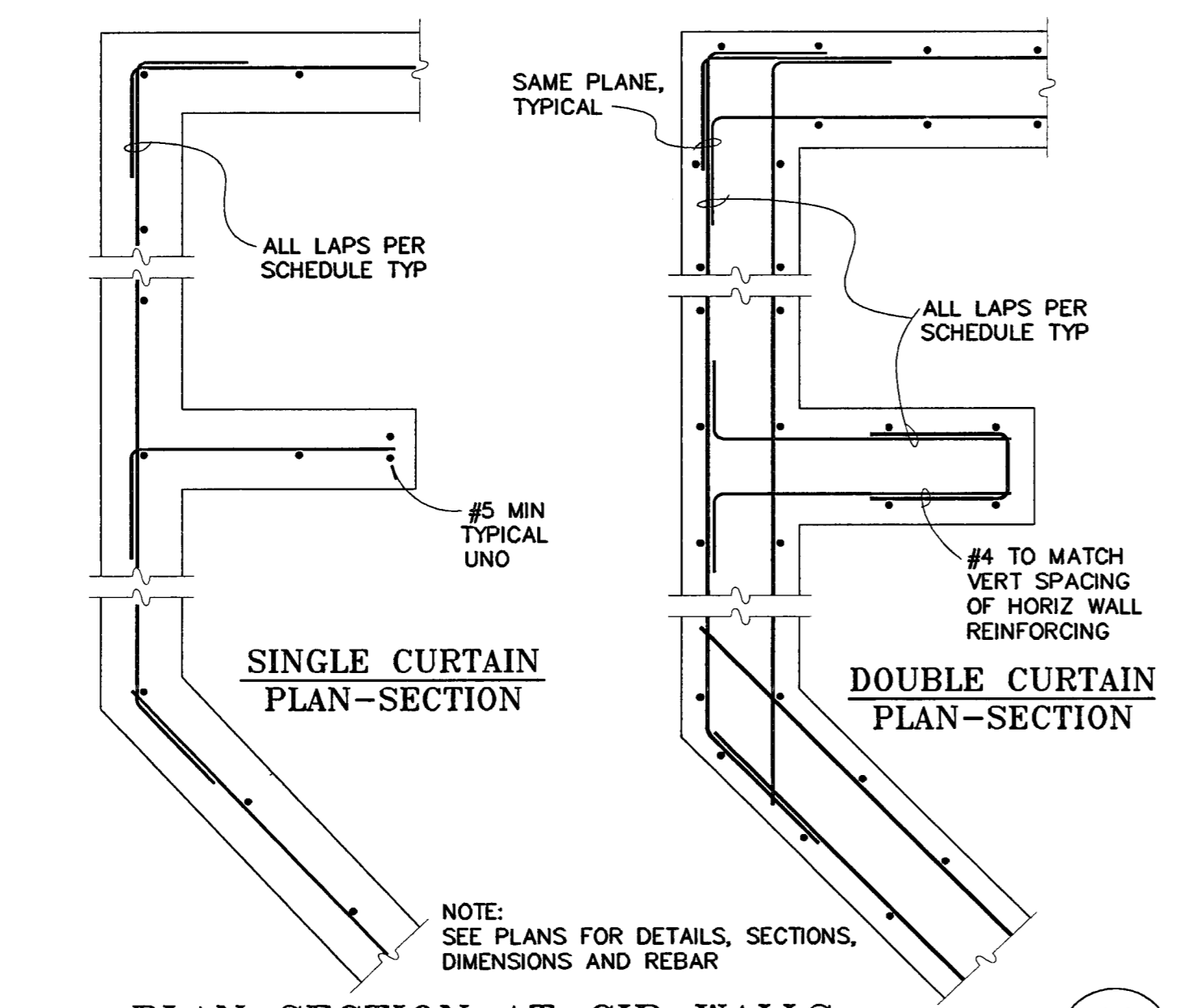
REBAR BENDING DETAIL 2 S4.1



STEPPED FOOTING DETAIL 6 S4.1



STAIR ON GRADE 10 S4.1

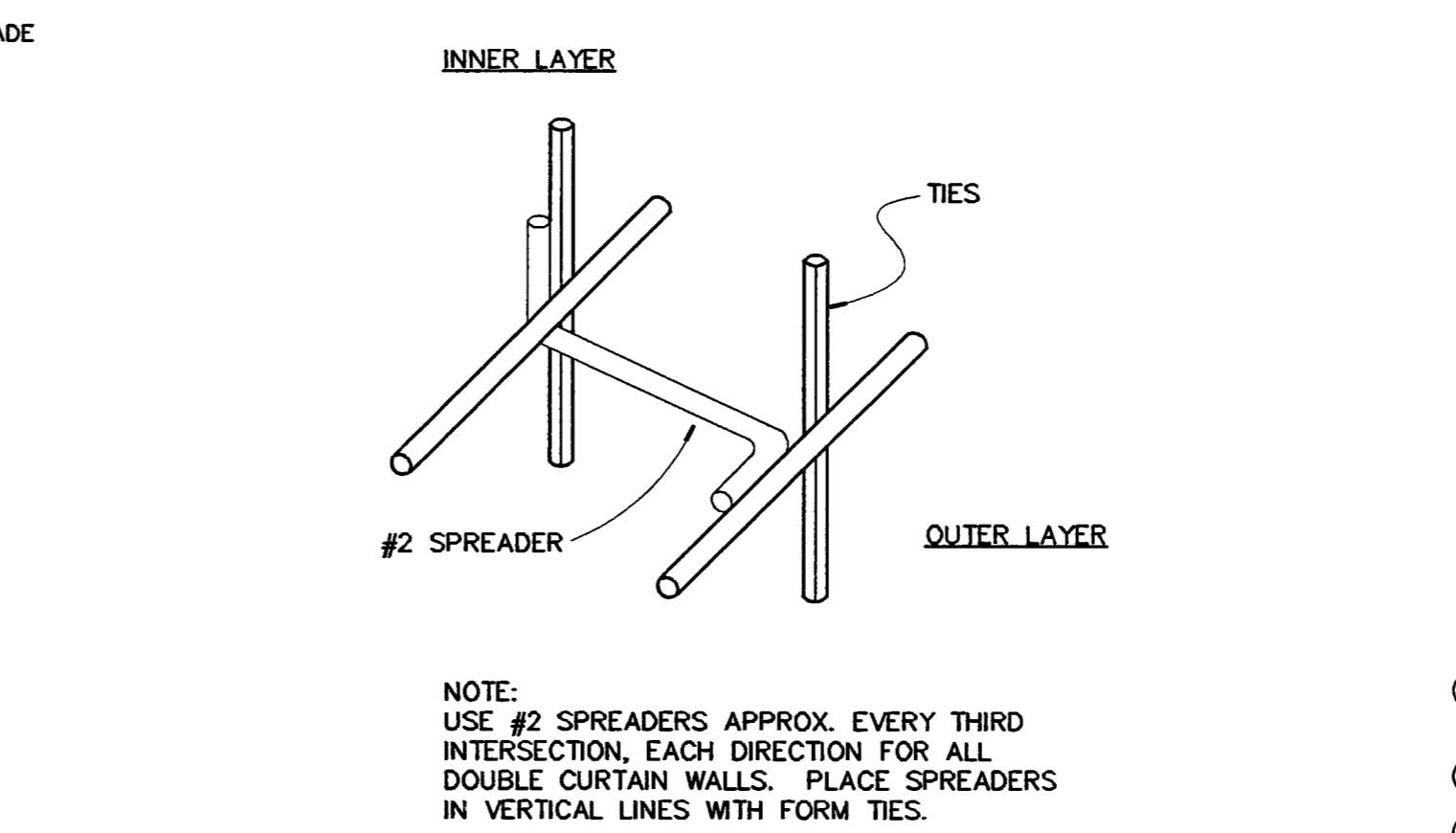


PLAN SECTION AT CIP WALLS 14 S4.1

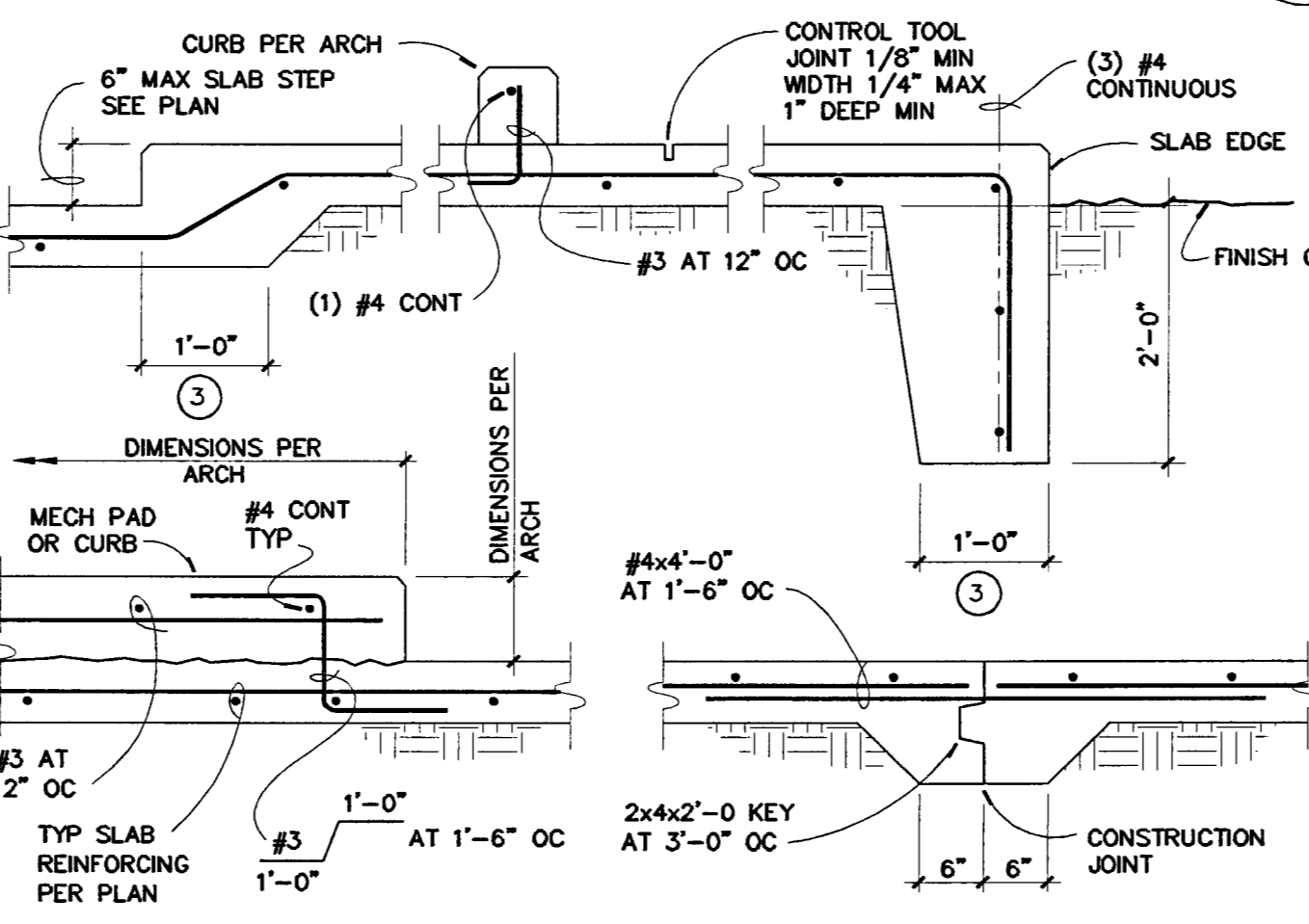
BAR SIZE	CONCRETE STRENGTH F'c = PSI				TOP BARS (2) OTHER BARS
	3000	4000	5000	6000	
#3	28	24	22	20	
#4	37	32	29	26	
#5	46	40	36	33	
#6	56	48	43	39	
#7	62	54	48	44	
#8	71	62	55	50	
#9	80	70	62	57	
#10	118	102	91	83	
#11	131	113	101	92	
	100	87	78	71	

NOTES:
 1. INCREASE LAP LENGTHS 30% FOR LIGHT WEIGHT CONCRETE (115 PCF MAX) AND 33% AT (4) BAR BUNDLES.
 2. TOP BARS ARE HORIZ BARS WITH MORE THAN 12" OF WET CONCRETE PLACED BELOW.
 3. MINIMUM CLEAR COVER > db AND MINIMUM CLEAR SPACING > 2db. INCREASE LAP LENGTHS 43% IF MINIMUMS NOT SATISFIED (db = BAR DIAMETER).
 4. LAP LENGTHS INDICATED ARE IN INCHES.

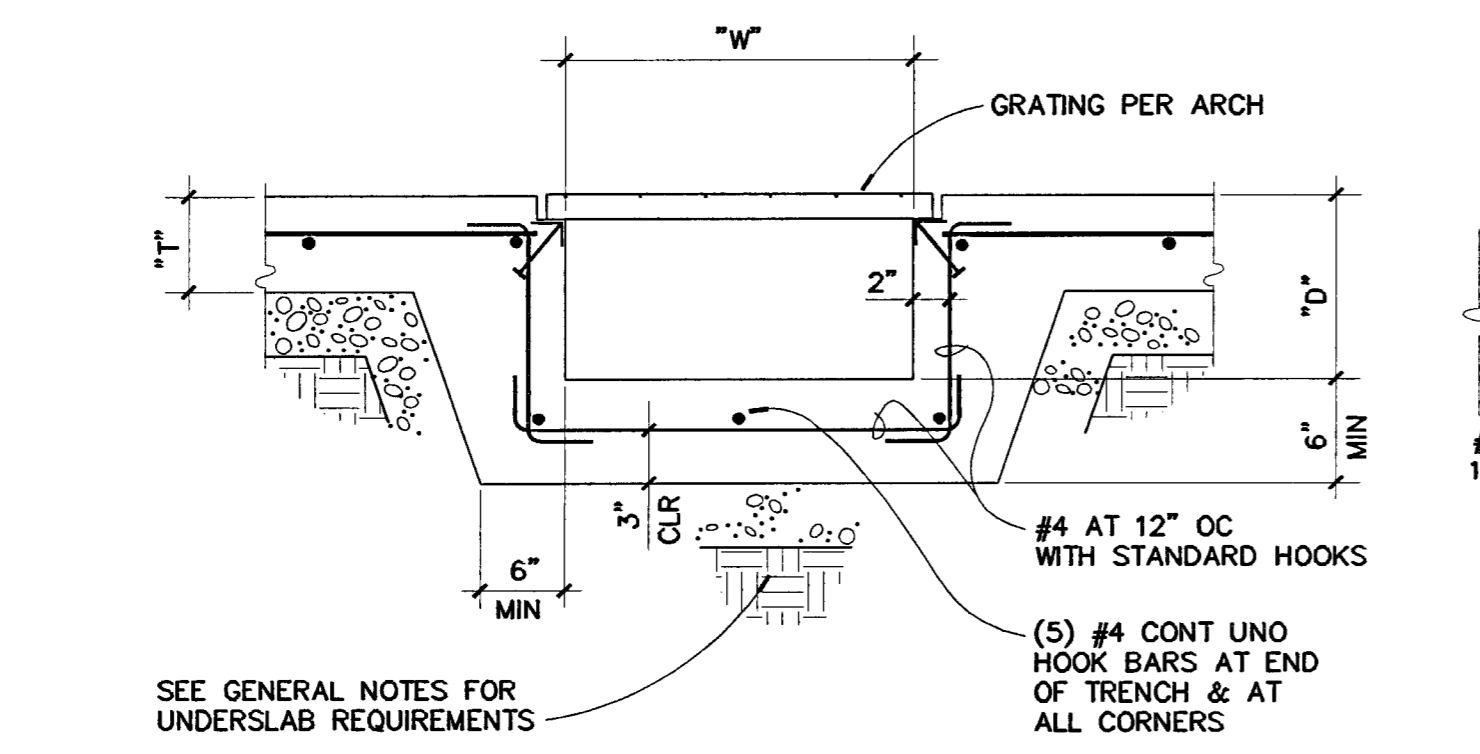
REBAR LAP SCHEDULE 1 S4.1



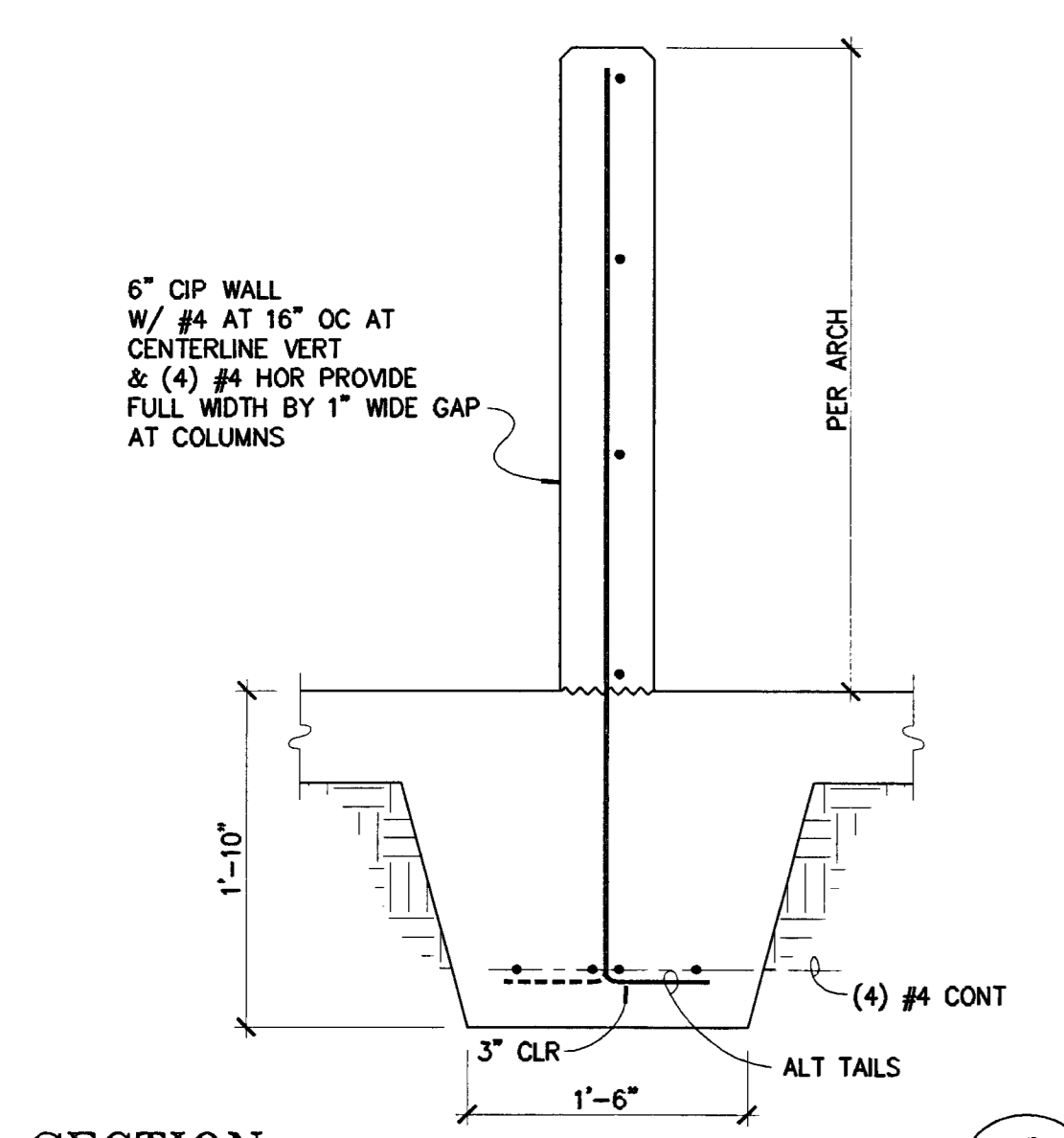
SPREADER FOR DBL CURTAIN REINF 5 S4.1



SLAB ON GRADE DETAILS 9 S4.1



TRENCH DETAIL 13 S4.1



SECTION 17 S4.1

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:

Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palms Verdes, California 90275
 310.544.8670

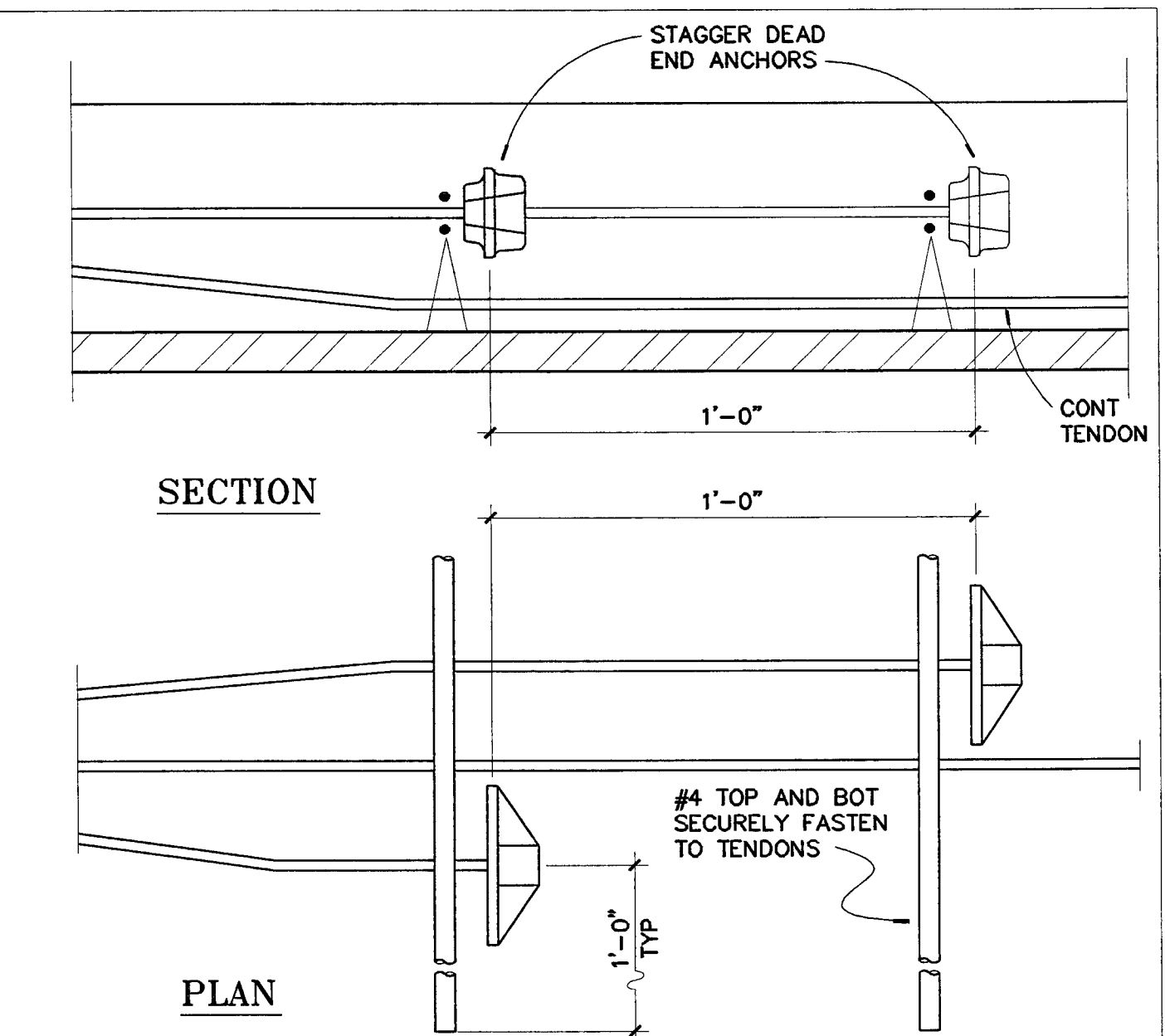
Design Architect
 Wenell Matthews Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

Structural Engineer
 Jessen-Wright Structural Engineers
 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

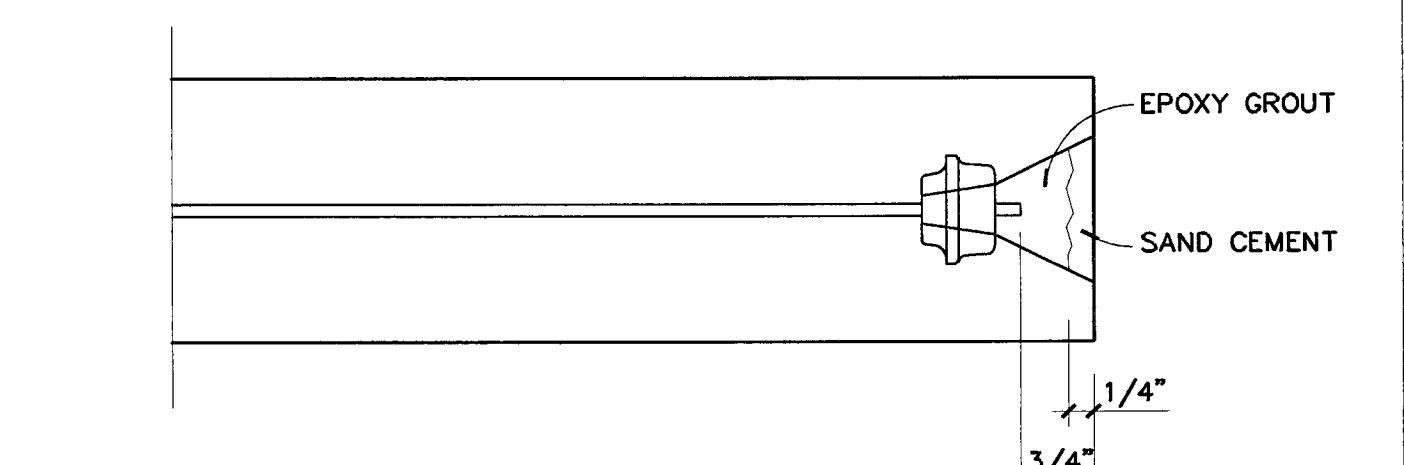
Plumbing Designer - Design/Builder
 HFIM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turlock Road
 Stockton, California 95201
 209.466.4601



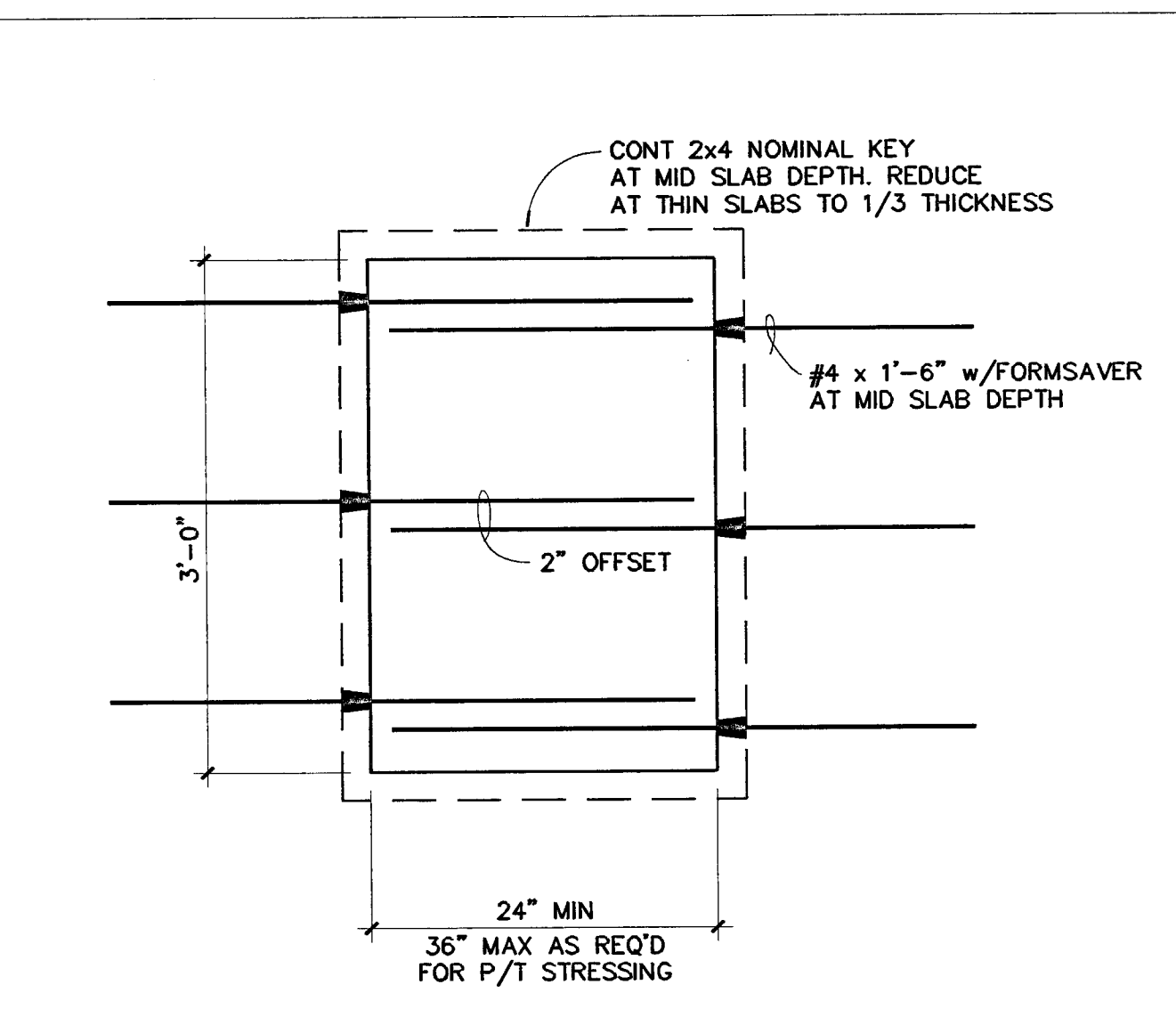
DEAD END ANCHORS AT ADDED TENDONS 4
 NO SCALE S4.2



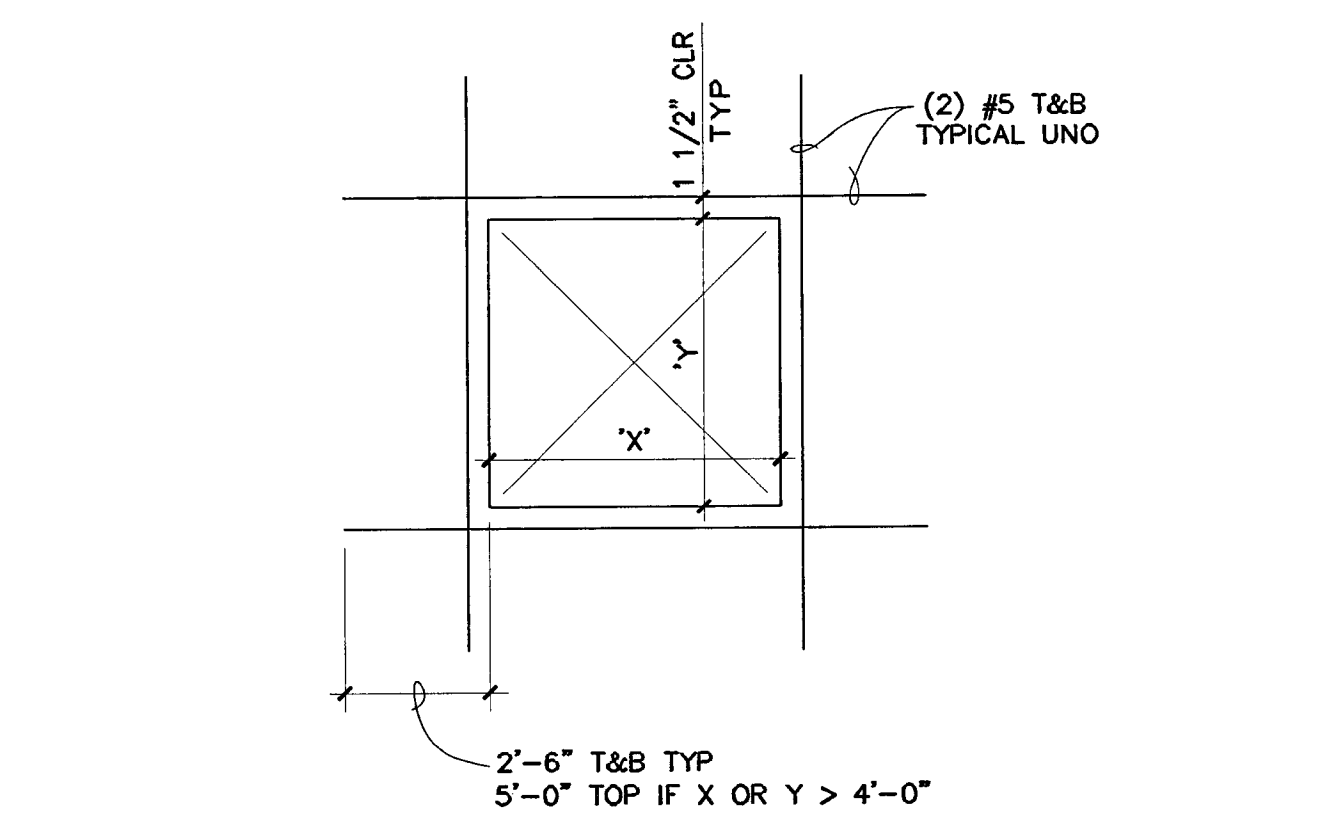
STRESSING END ANCHOR PROTECTION 3
 NO SCALE S4.2

NOTES:
 1. PRIOR TO PLACEMENT OF CONCRETE, WRAP END OF TENDON WITH HEAVY TAPE AND SECURE ANCHOR TO FORMS WITH NON-CORROSIVE SYSTEM.
 2. PROTECTION SEQUENCE:
 A) VERIFY TENDON ELONGATIONS
 B) TRIM EXCESS TENDON LENGTH
 C) FIRMLY PACK POCKET WITH NON-SHRINK EPOXY GROUT
 D) DRY PACK EXTERIOR 1/4" WITH SAND-CEMENT MIX TO MATCH ADJACENT CONC

STRESSING END ANCHOR 1
 NO SCALE S4.2



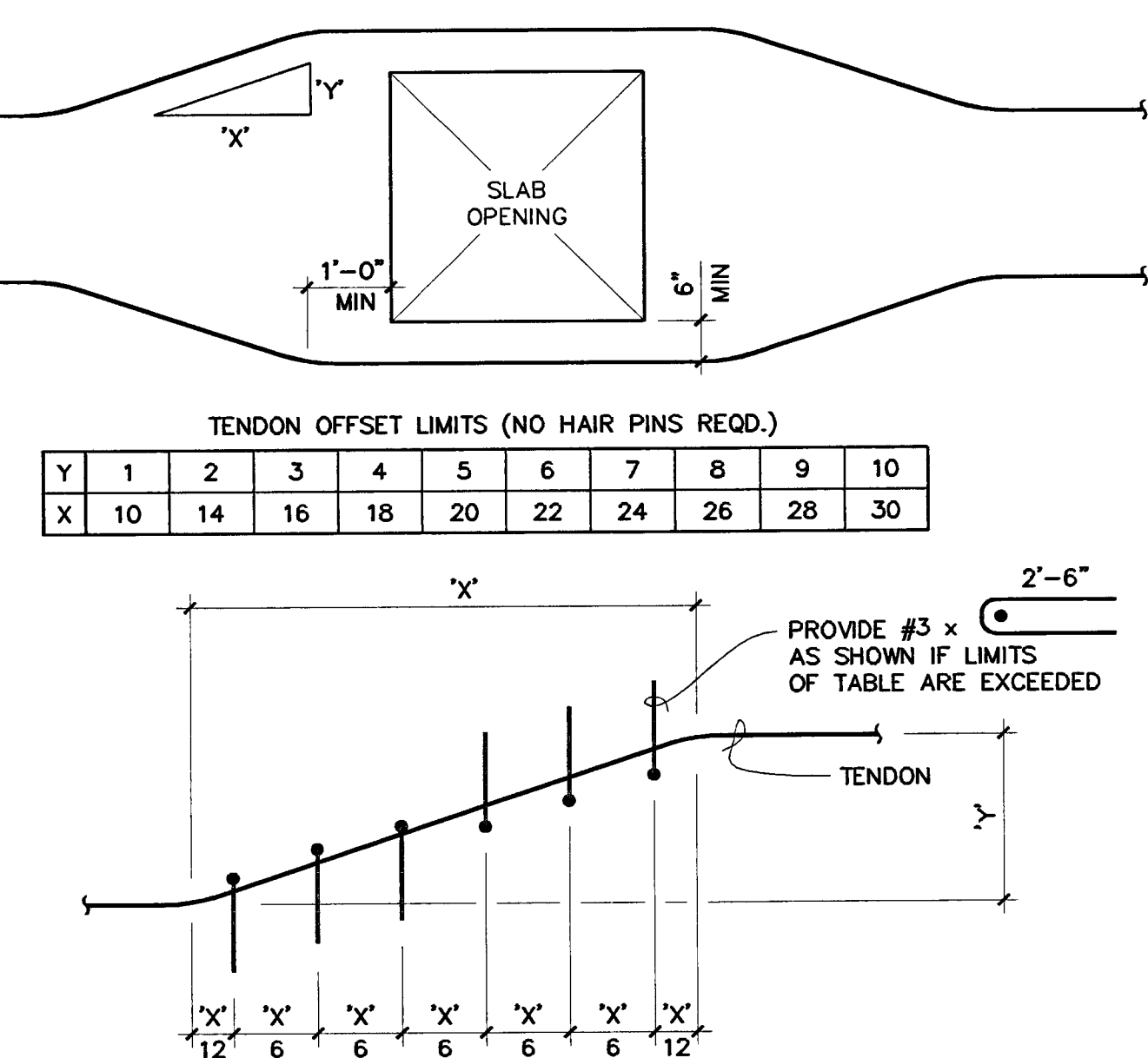
TEMPORARY SLAB BLOCKOUT 8
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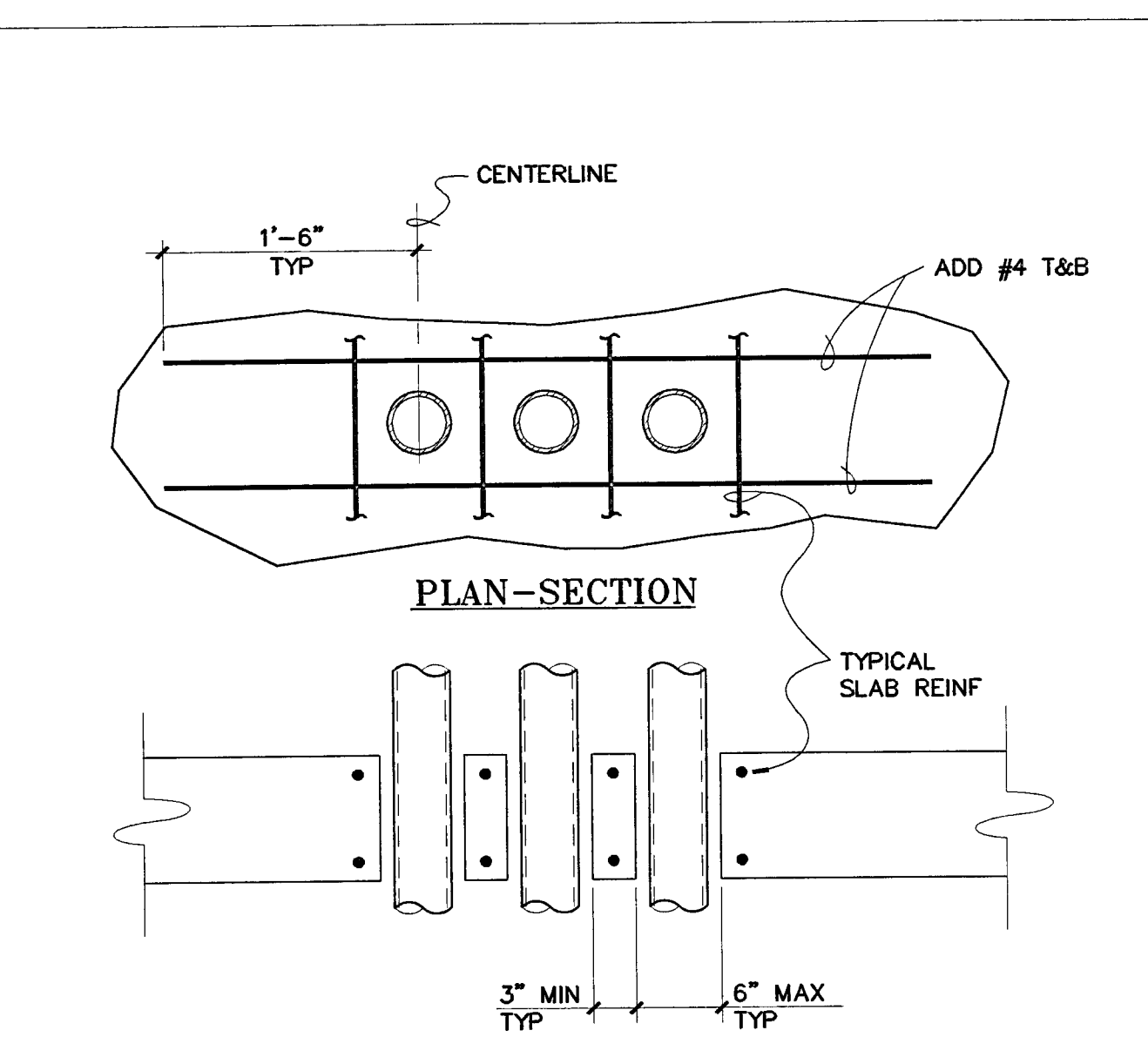
REINFORCED SLAB OPENING 7
 NO SCALE S4.2

NOTES:
 1. REINFORCING IS NOT REQUIRED IF X AND Y ARE LESS THAN 1'-6" UNO.
 2. THE MINIMUM CLEAR DISTANCE BETWEEN ADJACENT OPENINGS SHALL NOT BE LESS THAN DOUBLE THE MAXIMUM OPENING DIMENSION.
 3. THE OPENING SHALL NOT BE WITHIN 3'-6" MINIMUM OF ANY COLUMN OR SLAB EDGE UNO.

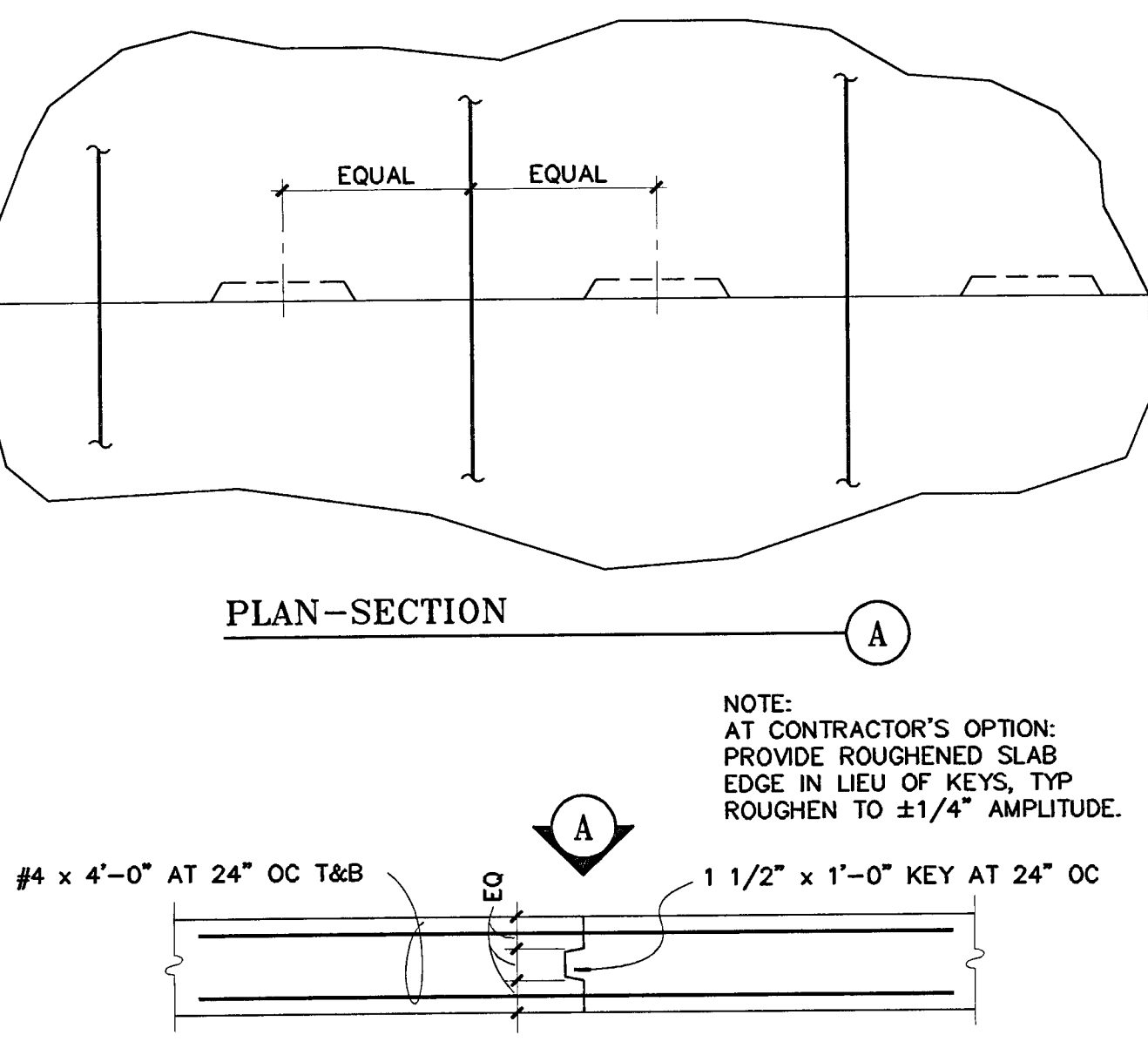
TENDON OFFSET LIMITS 6
 NO SCALE S4.2



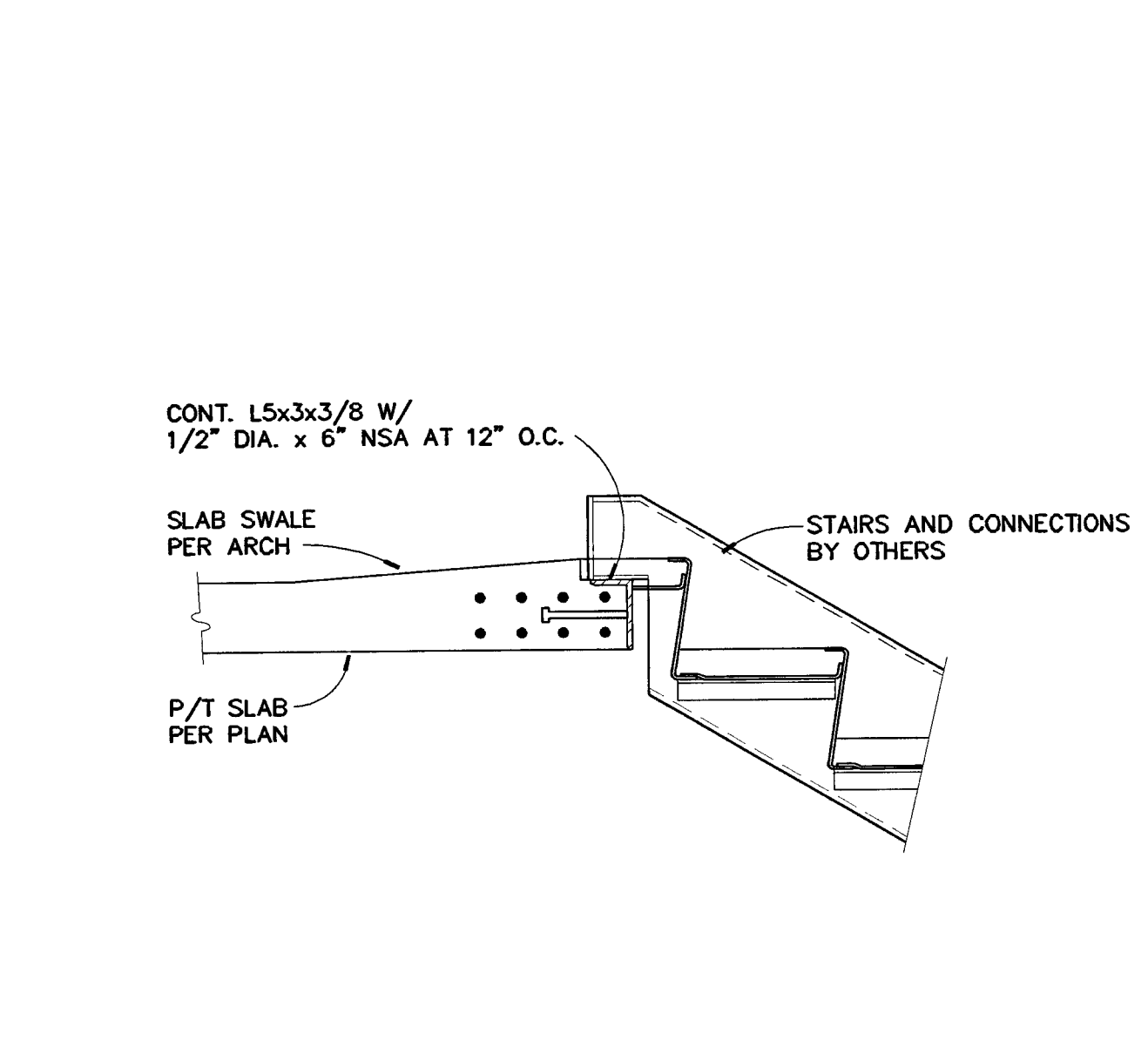
TENDON OFFSET LIMITS 6
 NO SCALE S4.2



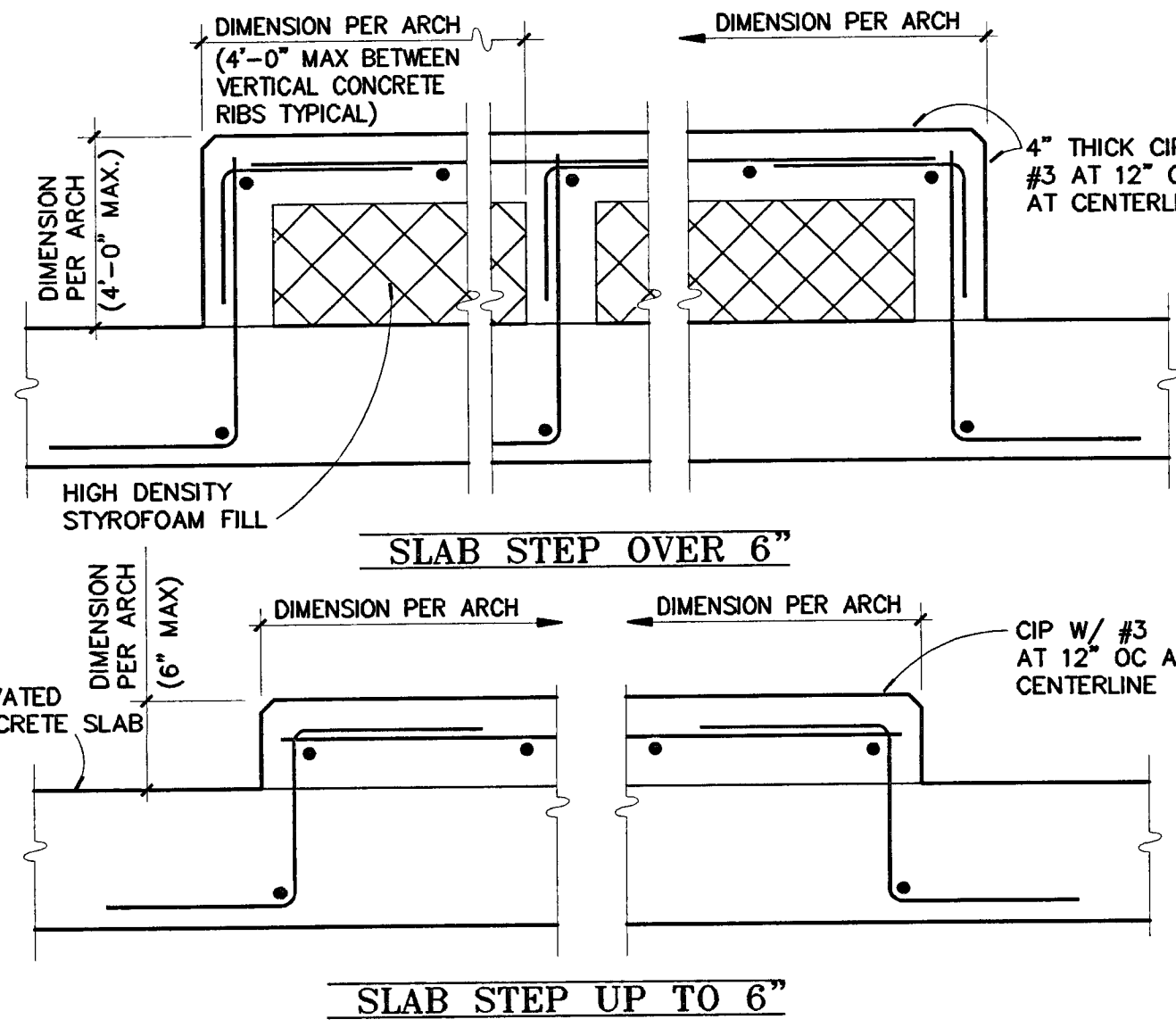
TYPICAL PIPE/CONDUIT/SLEEVE GROUP THRU SLAB 12
 NO SCALE S4.2



ADDED REINF AT CONST JOINT 11
 NO SCALE S4.2

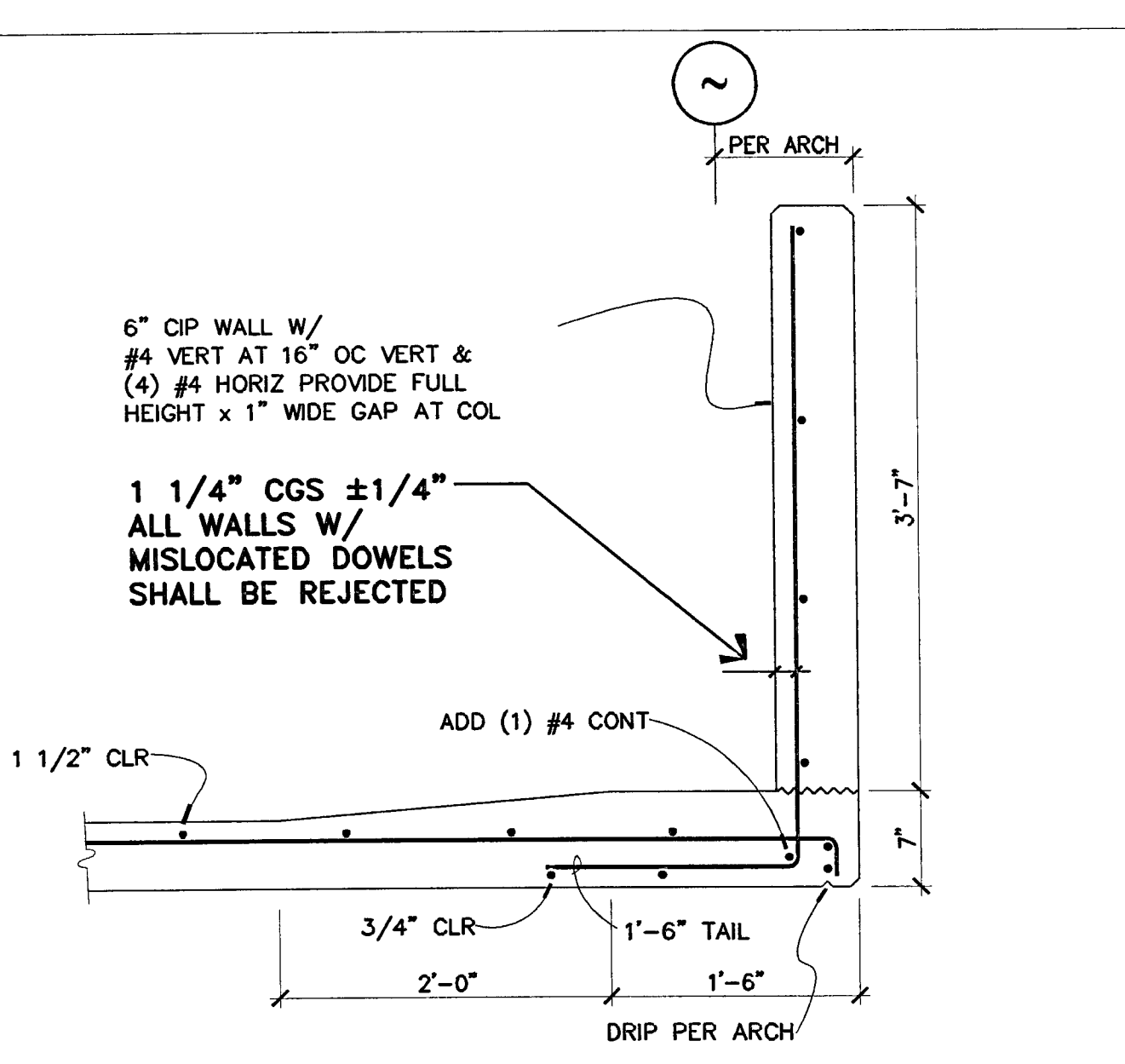


SLAB STEP OVER 6" 10
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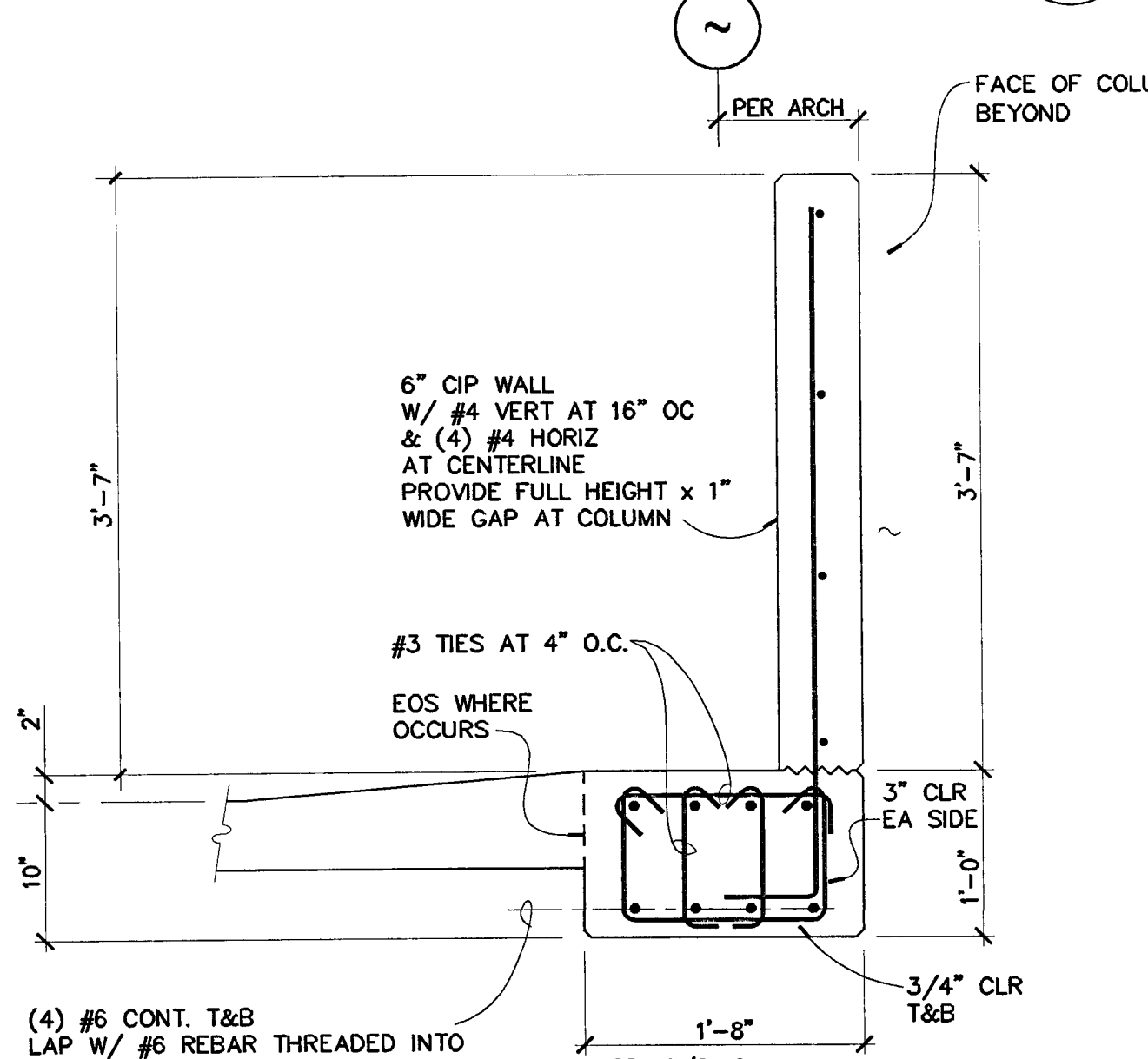


SLAB STEP UP TO 6" 9
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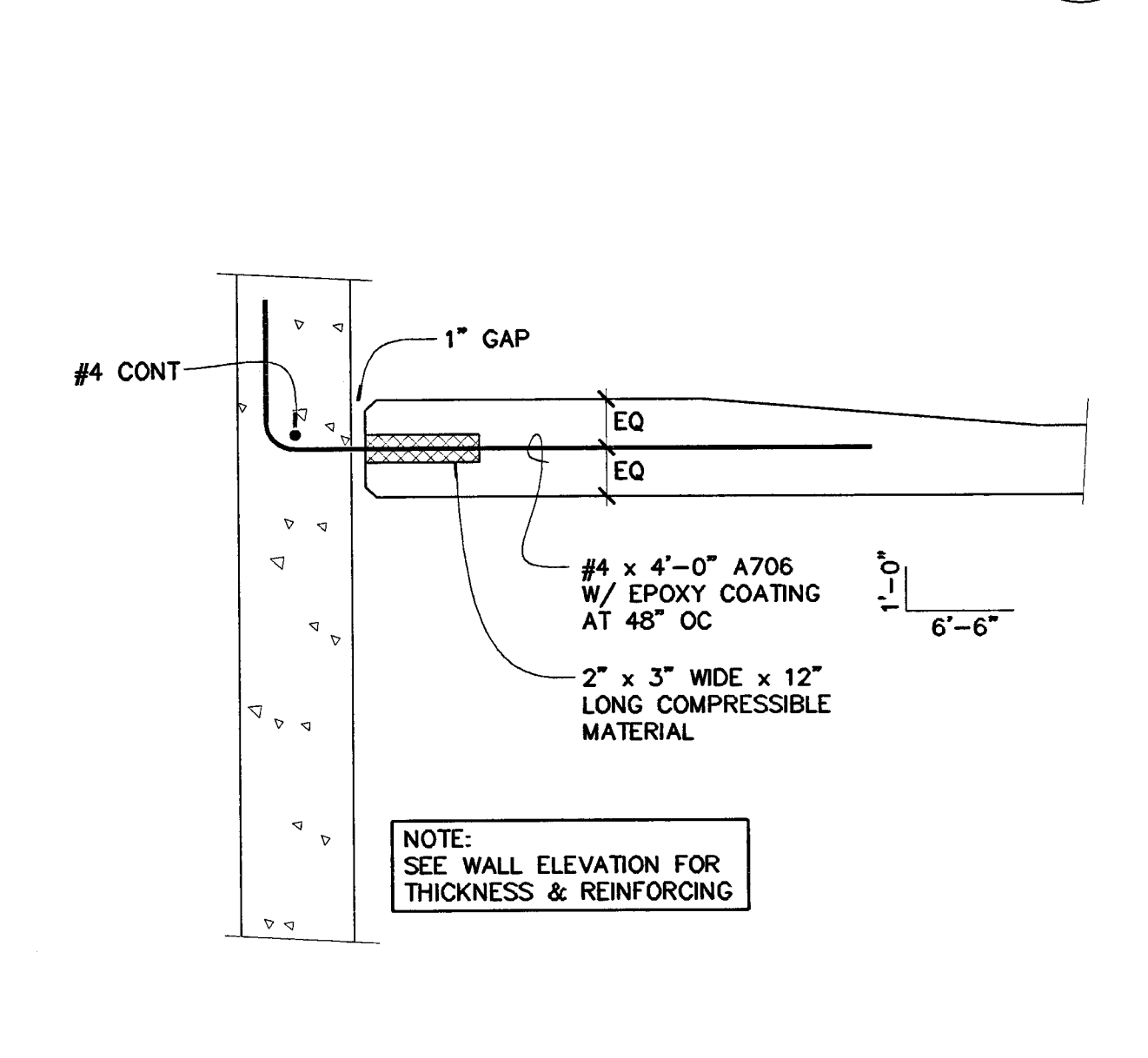
CURBS, SLAB STEPS AND EQUIP PADS 9
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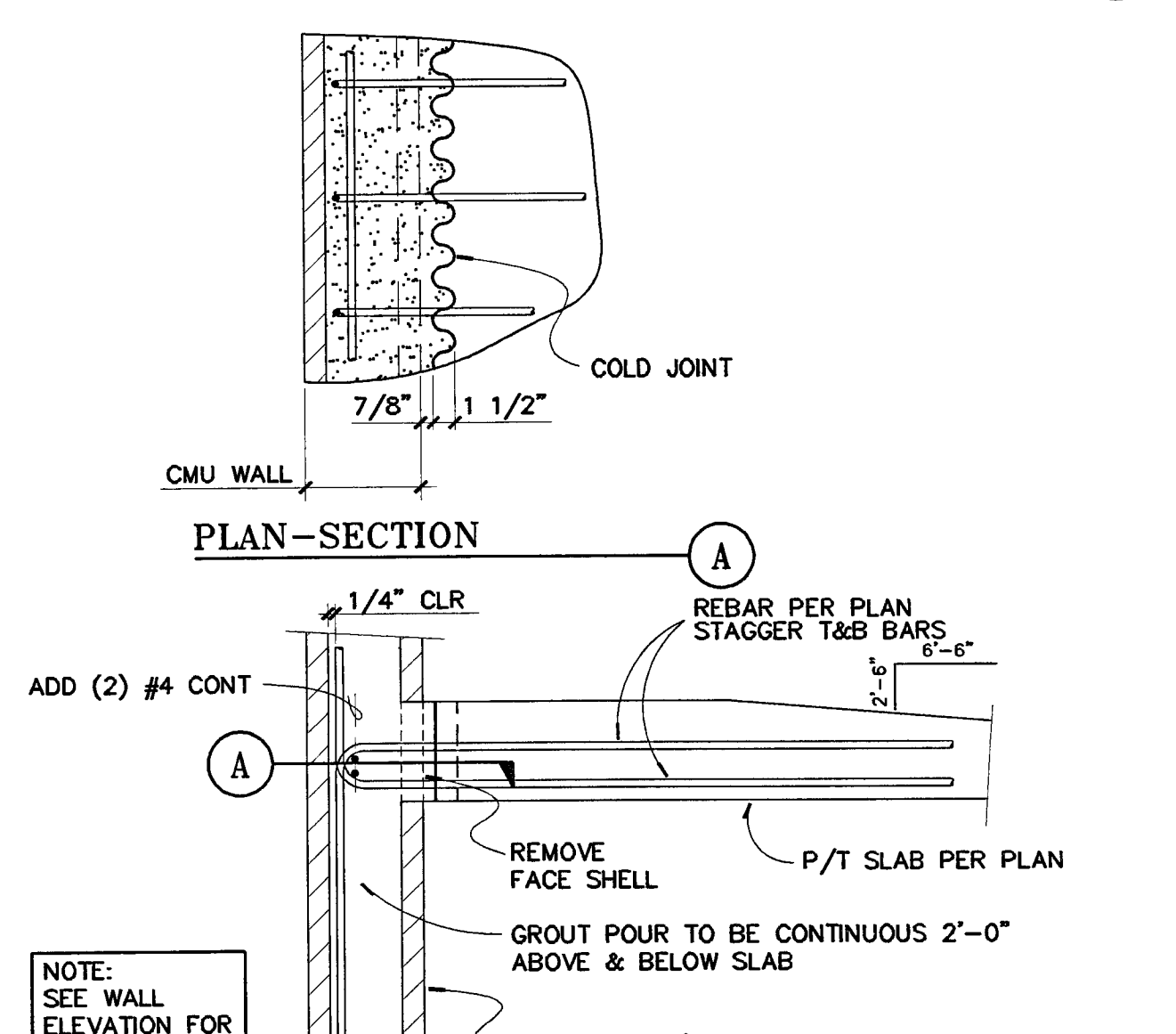
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SECTION 15
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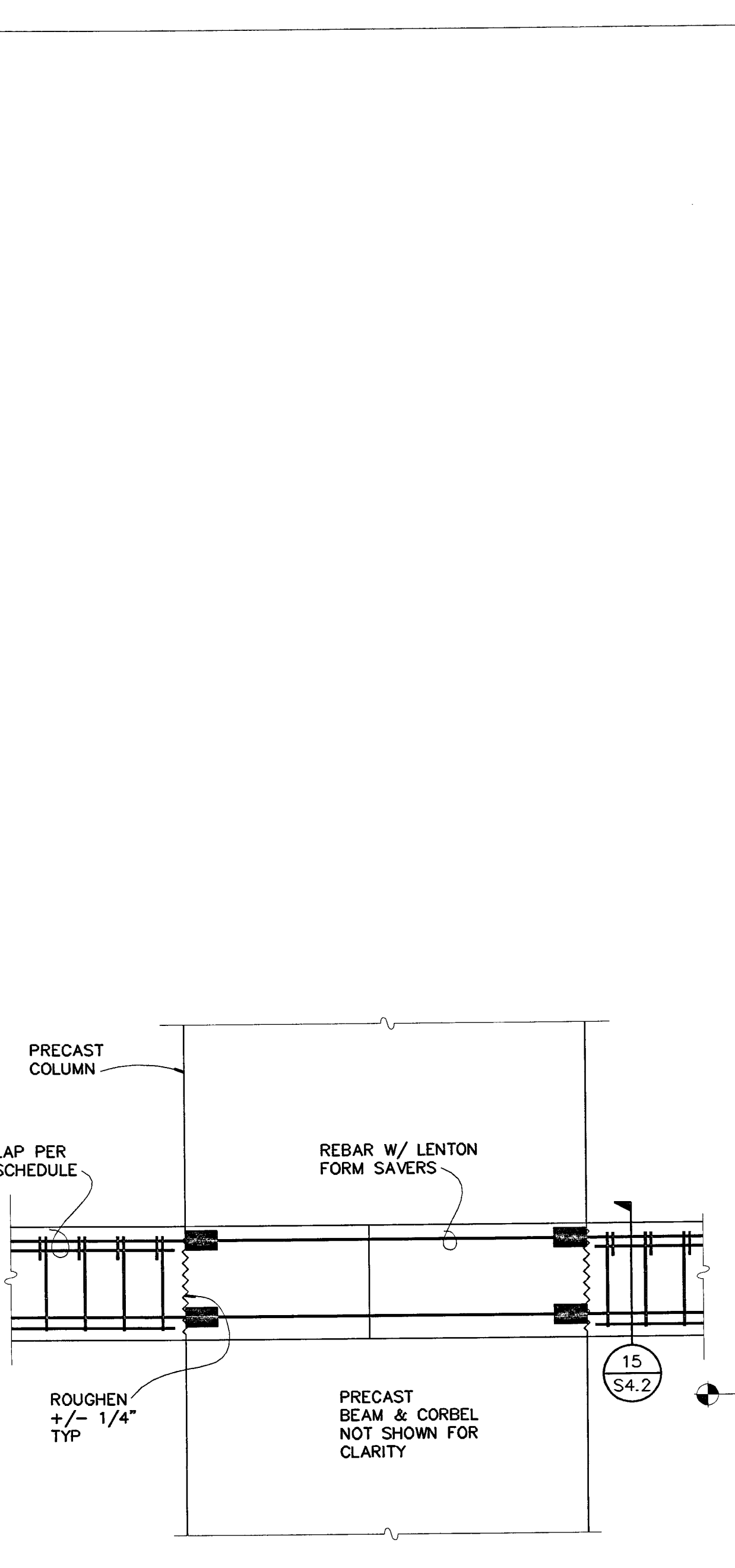


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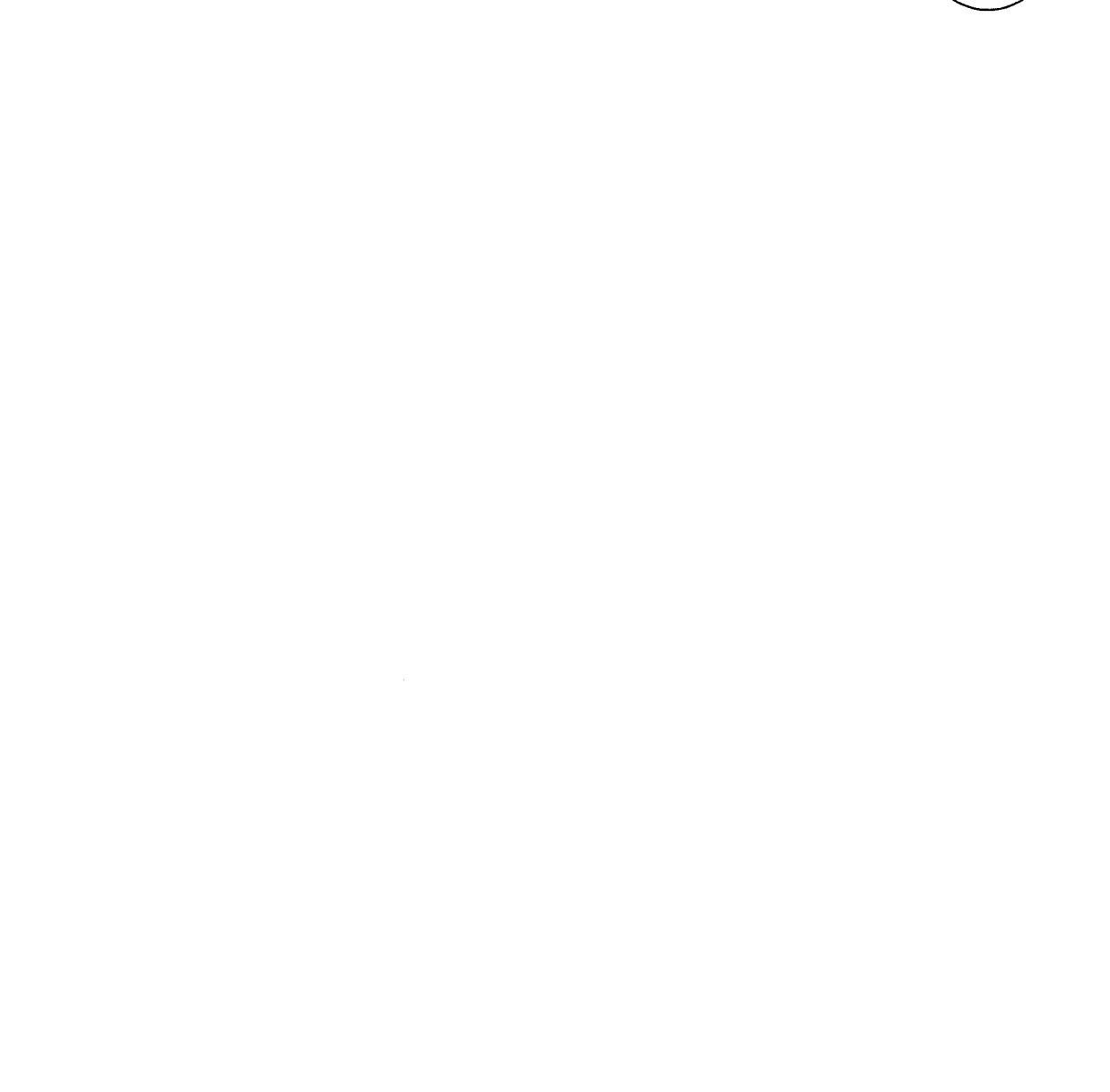


SECTION 13
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SECTION 13
 NO SCALE S4.2



SECTION 19
 NO SCALE S4.2



SECTION 19
 NO SCALE S4.2



SECTION 13
 NO SCALE S4.2

SECTION 13
 NO SCALE S4.2

BERRYMAN & HENGAR
APPROVED
 REVISIONS DATE
 2-28-05 RESPONSE TO PLAN CHECK
 BERRYMAN & HENGAR
APPROVED
 MAR 09 2005
 DATE

REGISTERED PROFESSIONAL ENGINEER
 KEVIN D. JESSEN
 NO. 3393
 EXP. 3/31/06
 STRUCTURAL
 STATE OF CALIFORNIA

SHEET TITLE
DETAILS

DATE: 07/28/04 SCALE: 1" = 1'-0"
 DRAWN BY: MATT CHECKED BY:
 DRAWING NO. SHEET
 PROGRAM NO. R.N.O.
 DRAWING NO. S4.2
 PROJECT NO. H N A 2319

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4845 Waterloo Road
 Stockton, California 95215
 209. 931. 3738

CONSULTANTS:
 Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310. 544. 8670

Design Architect
 Wonoli Matthews Bowe
 246 E. Main Street
 Stockton, California 95202
 209. 944. 9110

Structural Engineer
 Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
 530. 894. 5345

Civil Engineer
 Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209. 943. 2021

Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209. 931. 9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209. 466. 3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209. 466. 4601

BERRIMAN & HENIGAR
 APPROVED
 BY: [Signature] DATE: []

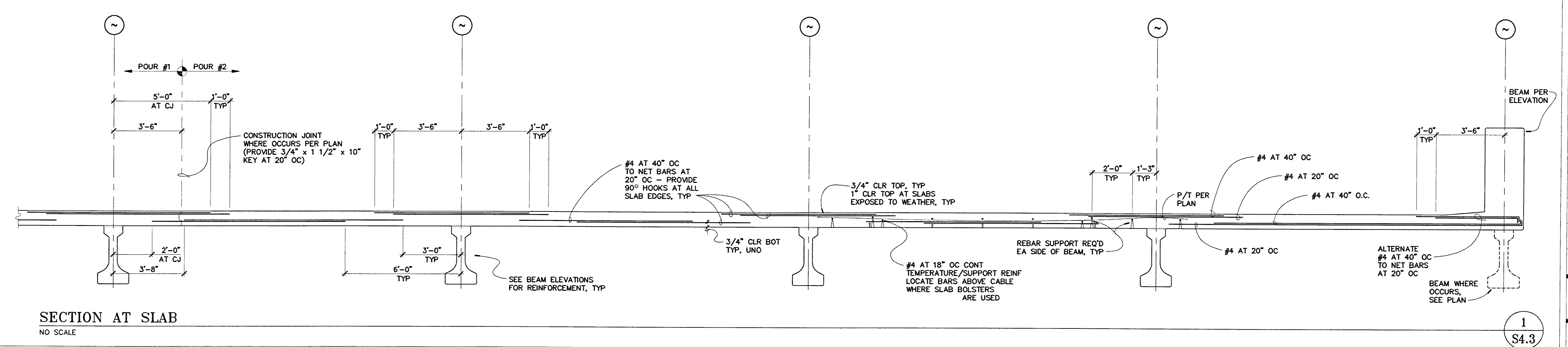
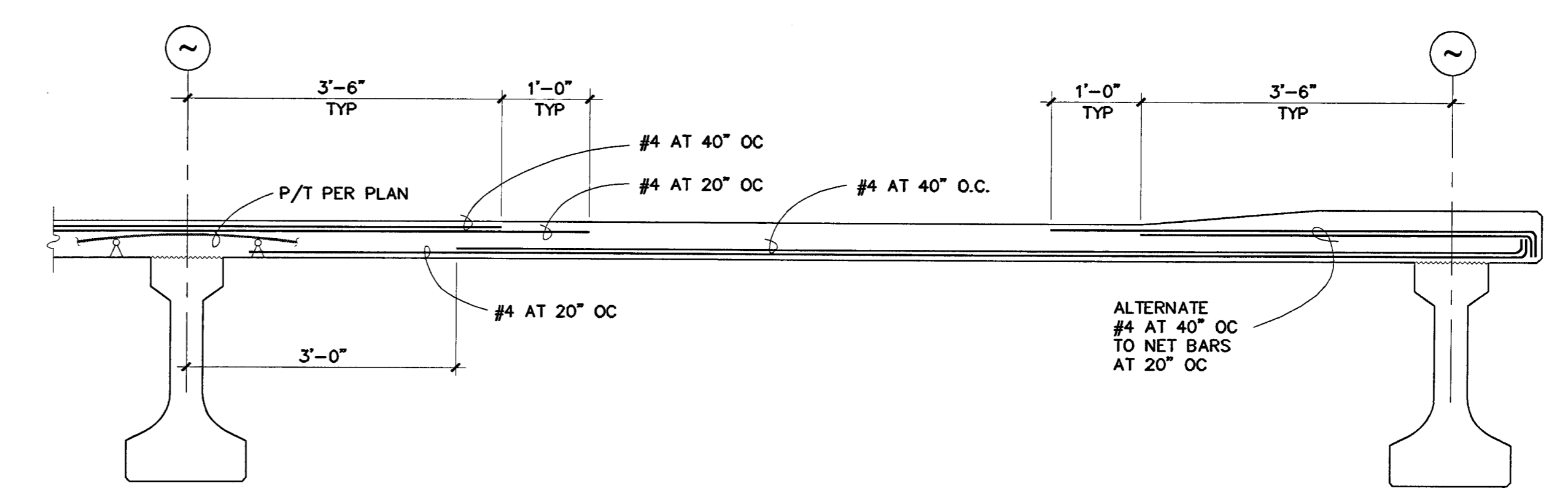
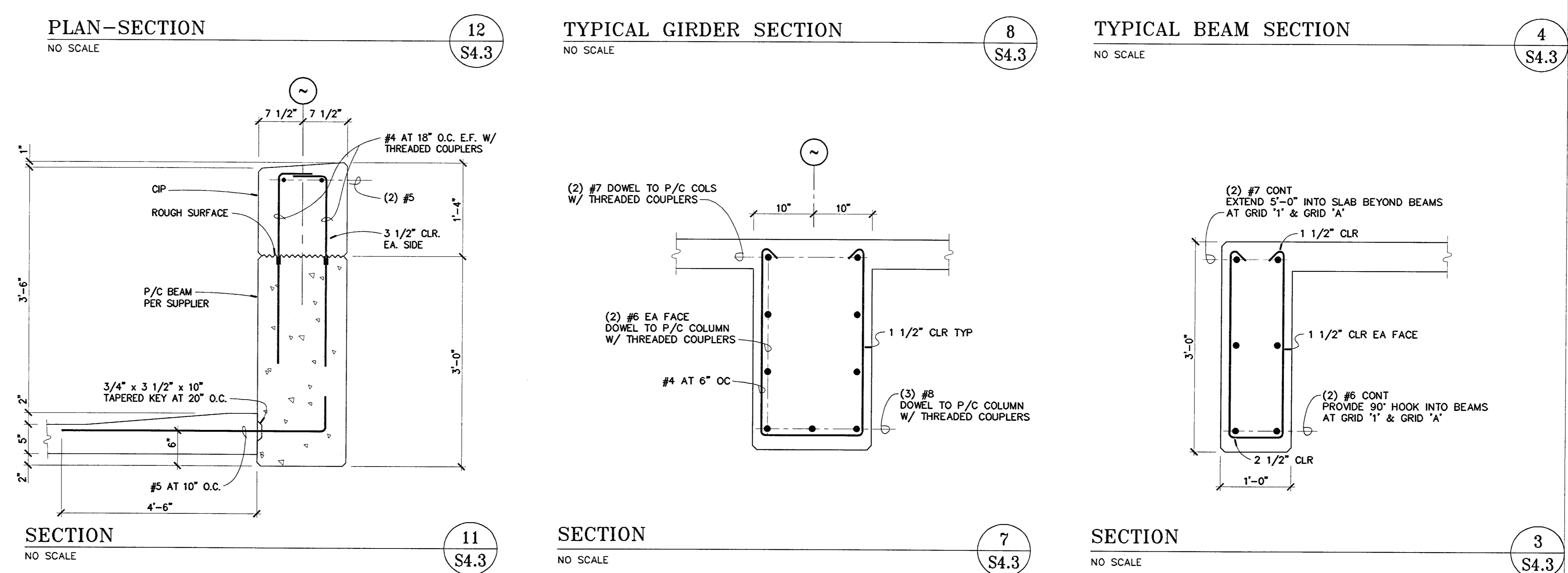
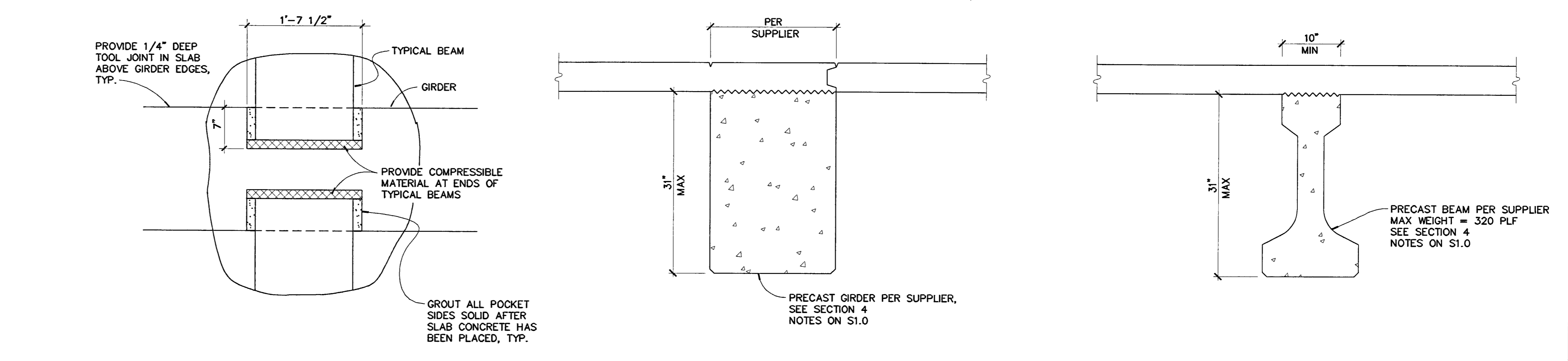
REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRIMAN & HENIGAR
 APPROVED
 MAR 09 2005



SHEET TITLE
DETAILS

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DRAWING NO.		SHEET	
PROGRAM NO.		R.N.O.	
DRAWING NO.	S4.3		
PROJECT NO.	HNA 2319		



CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
 4845 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:
 Architect - Parking Consultant
HNA / Pacific
 6155 Breeze Avenue
 Rancho Palms Verdes, California 90275
 310.544.8670

Design Architect
Wenell Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

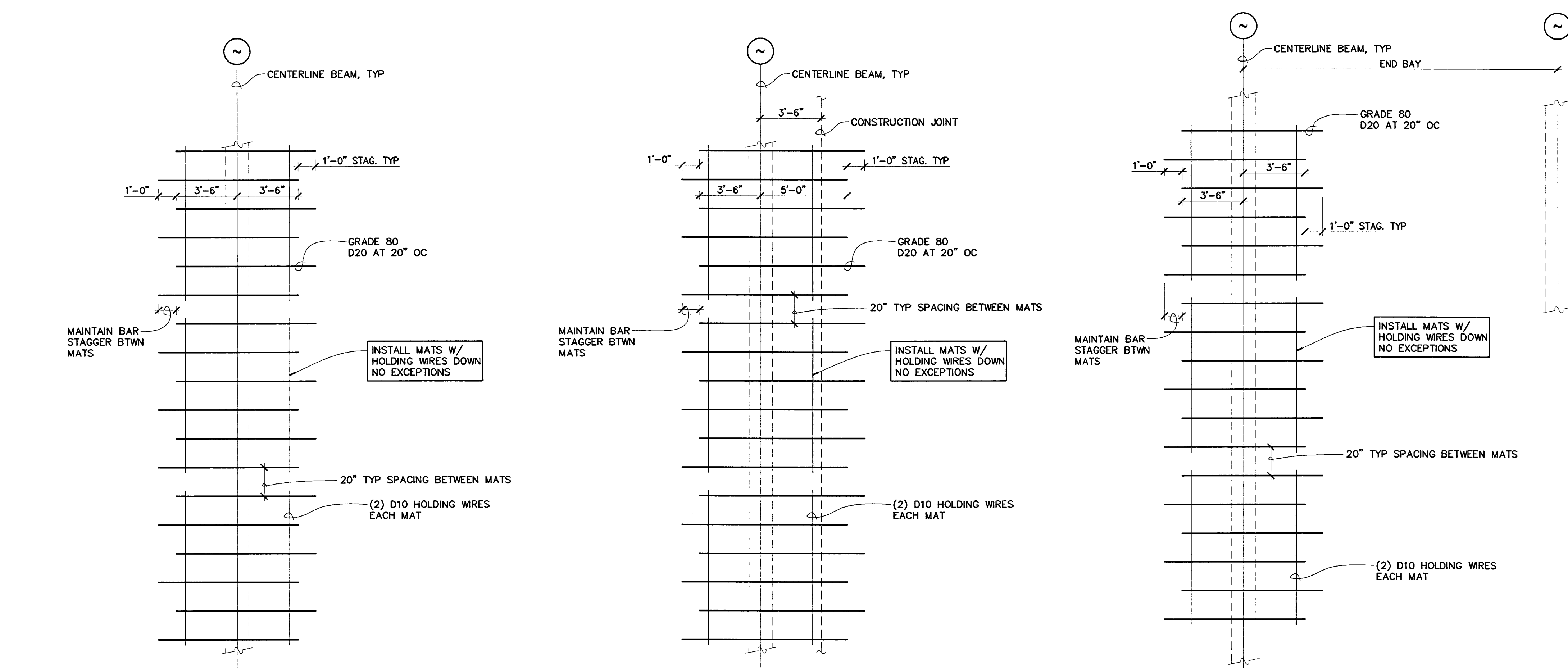
Structural Engineer
Jessen-Wright Structural Engineers
 113 West 8th Avenue, Suite A
 Chico, California 95926
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Civil Engineer
Siegfried Engineering, Inc.
 4045 Coronado Avenue
 Stockton, California 95204
 209.943.2021

Plumbing Designer - Design/Builder
HFM Plumbing
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 209.931.9650

Electrical Designer - Design/Builder
Collins Electrical
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 209.466.3691

Mechanical Designer - Design/Builder
Comfort Air
 7607 Turnpike Road
 Stockton, California 95201
 209.466.4601



SWWR ALTERNATE
 TYP TOP SLAB REINF

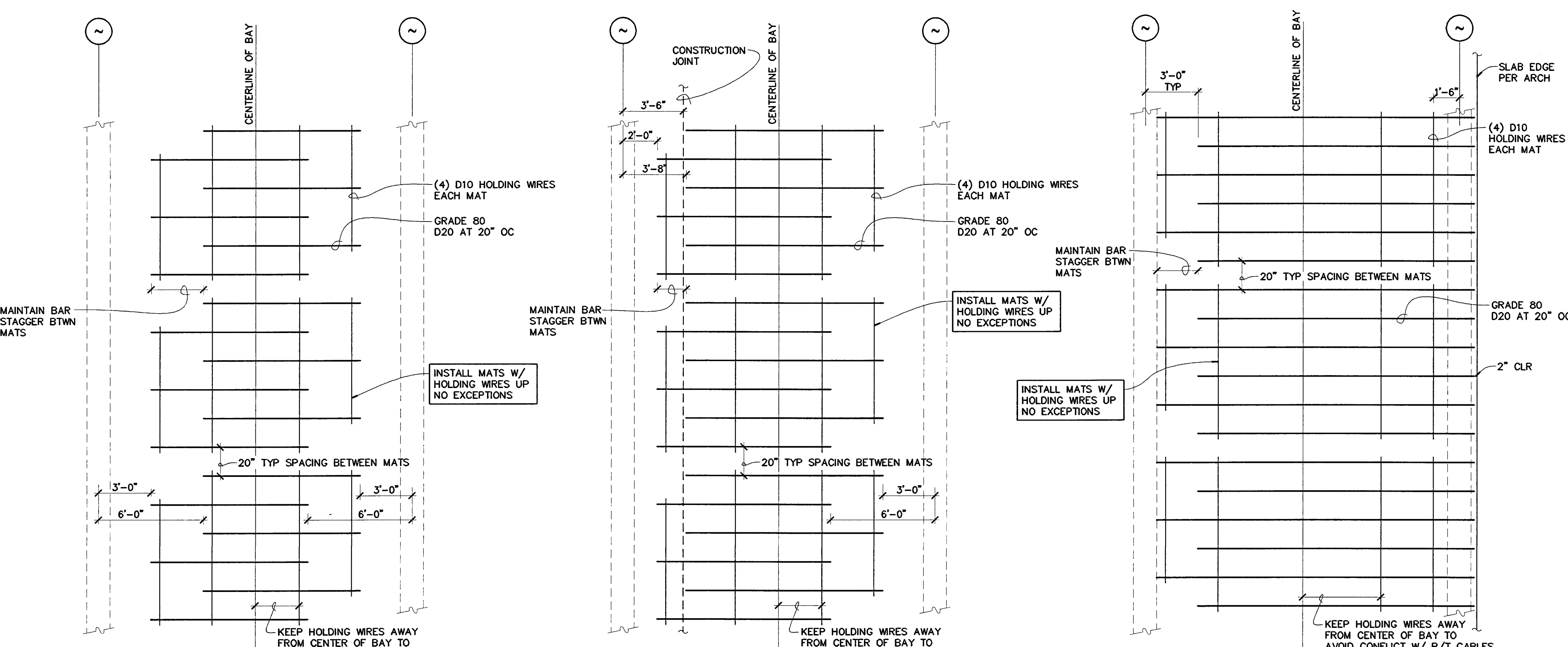
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SWWR ALTERNATE
 TYP TOP SLAB REINF AT END BAY

NO SCALE

NO SCALE

NO SCALE



SWWR ALTERNATE
 TYP BOT MAT SLAB REINF

SWWR ALTERNATE
 TYP BOT SLAB REINF AT CONSTR JTS

SWWR ALTERNATE
 TYP BOT SLAB REINF AT END BAY

NO SCALE

NO SCALE

NO SCALE

BERRYMAN & HENIGAR
 APPROVED

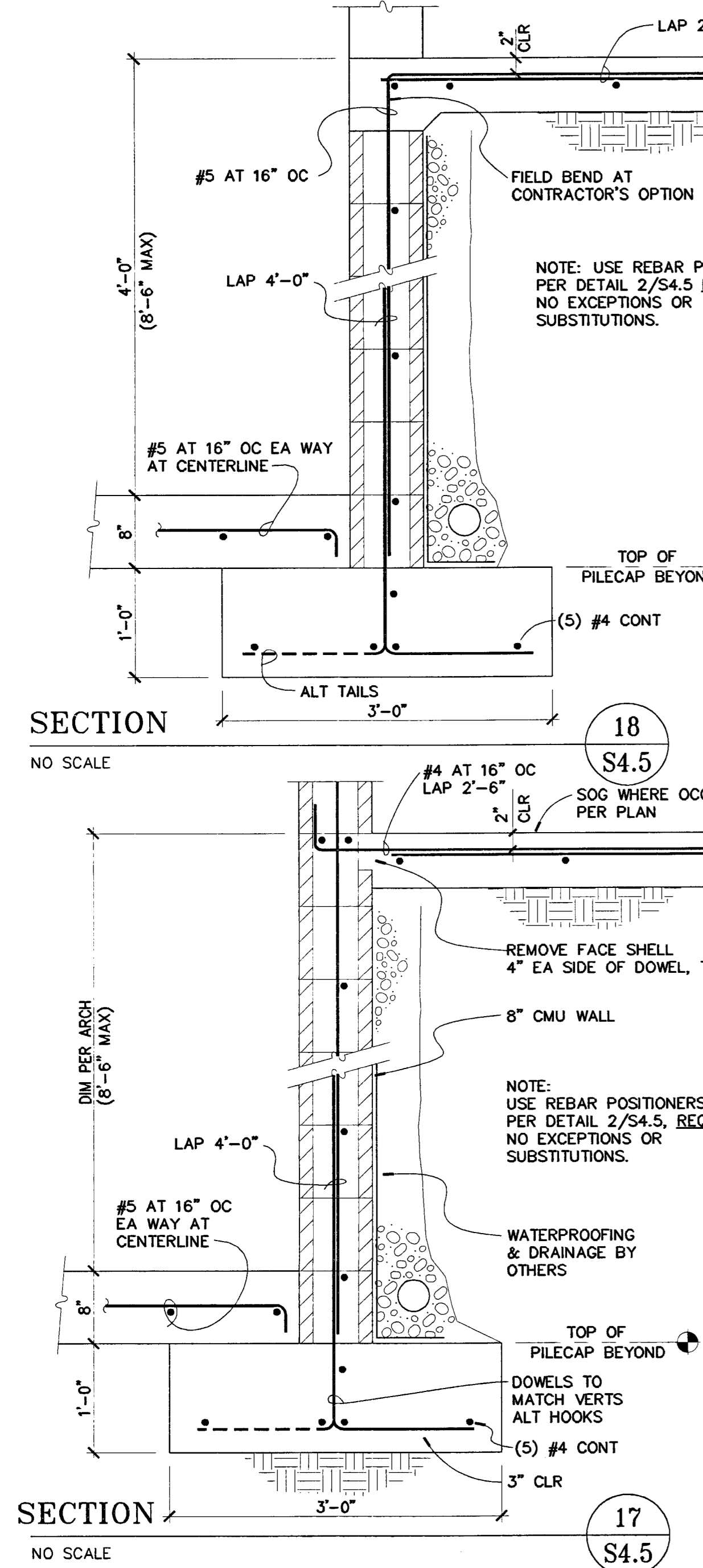
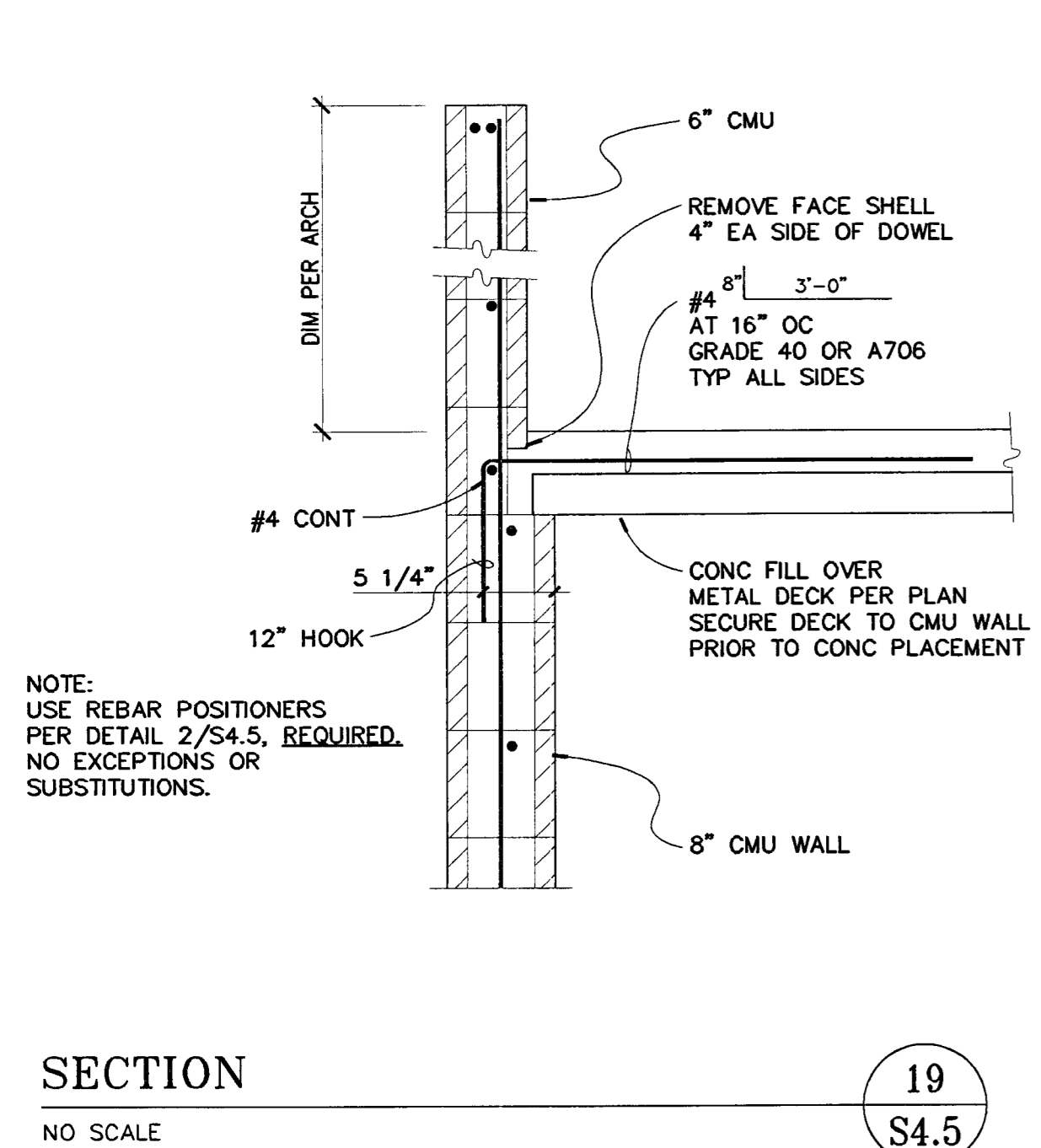
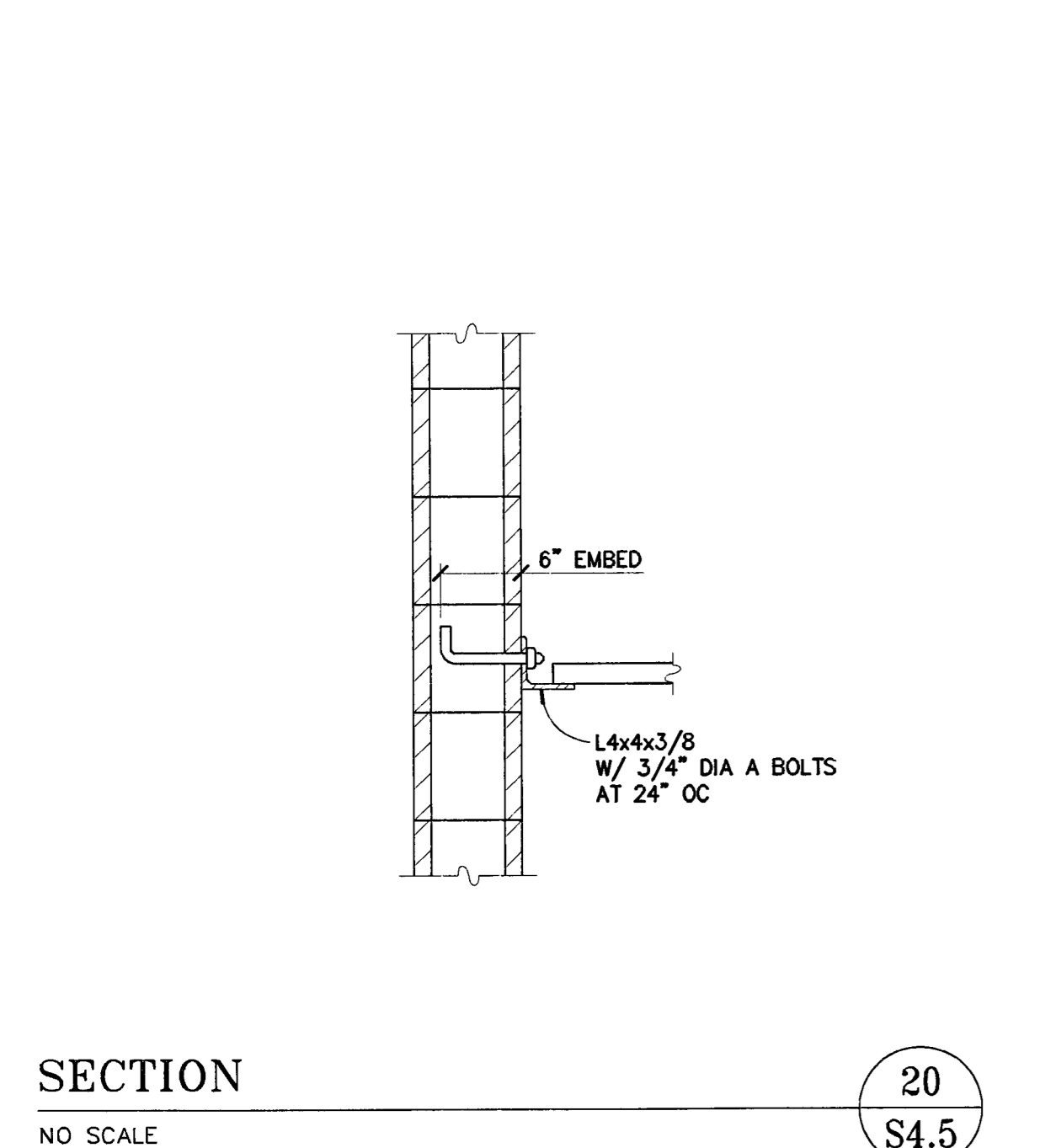
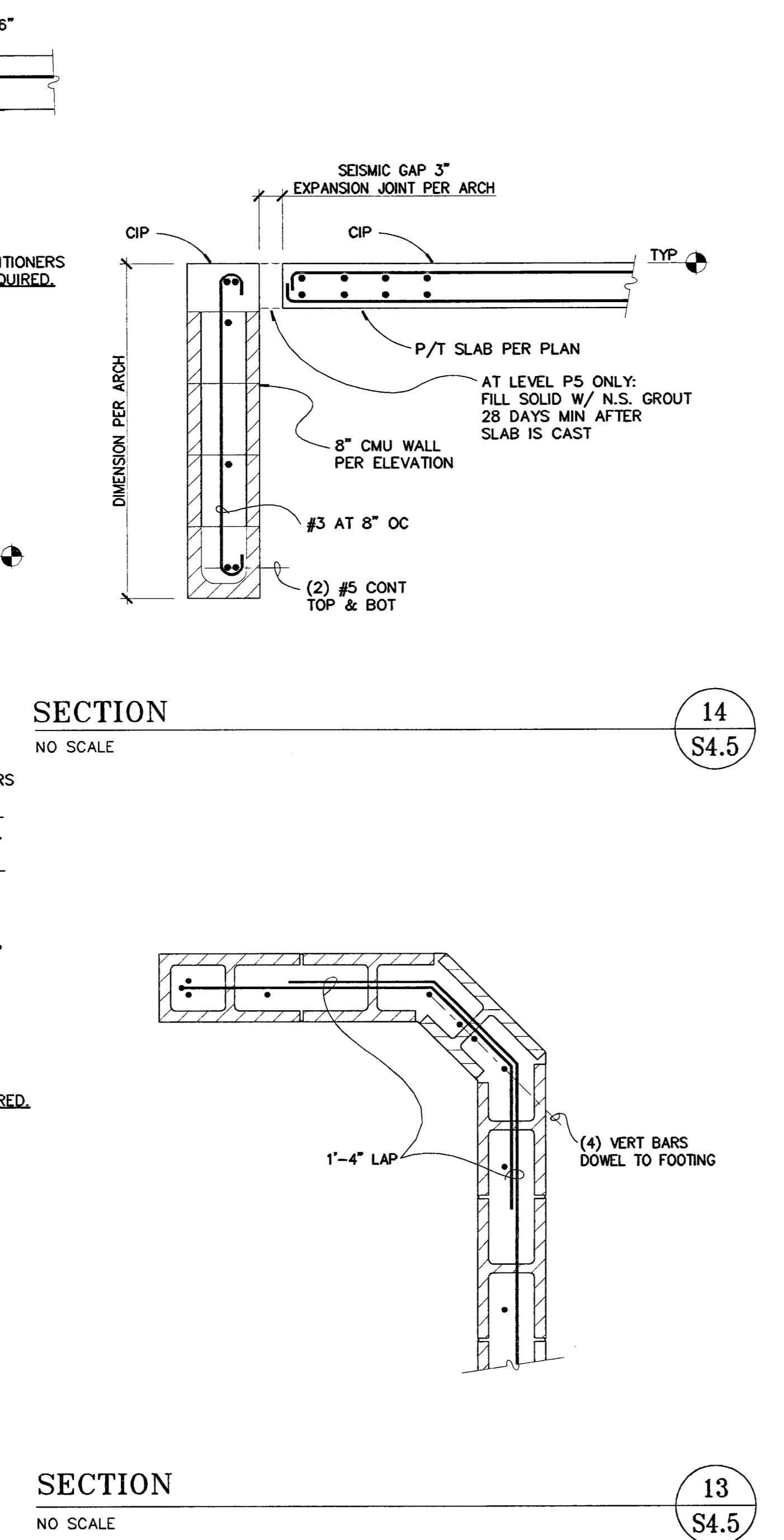
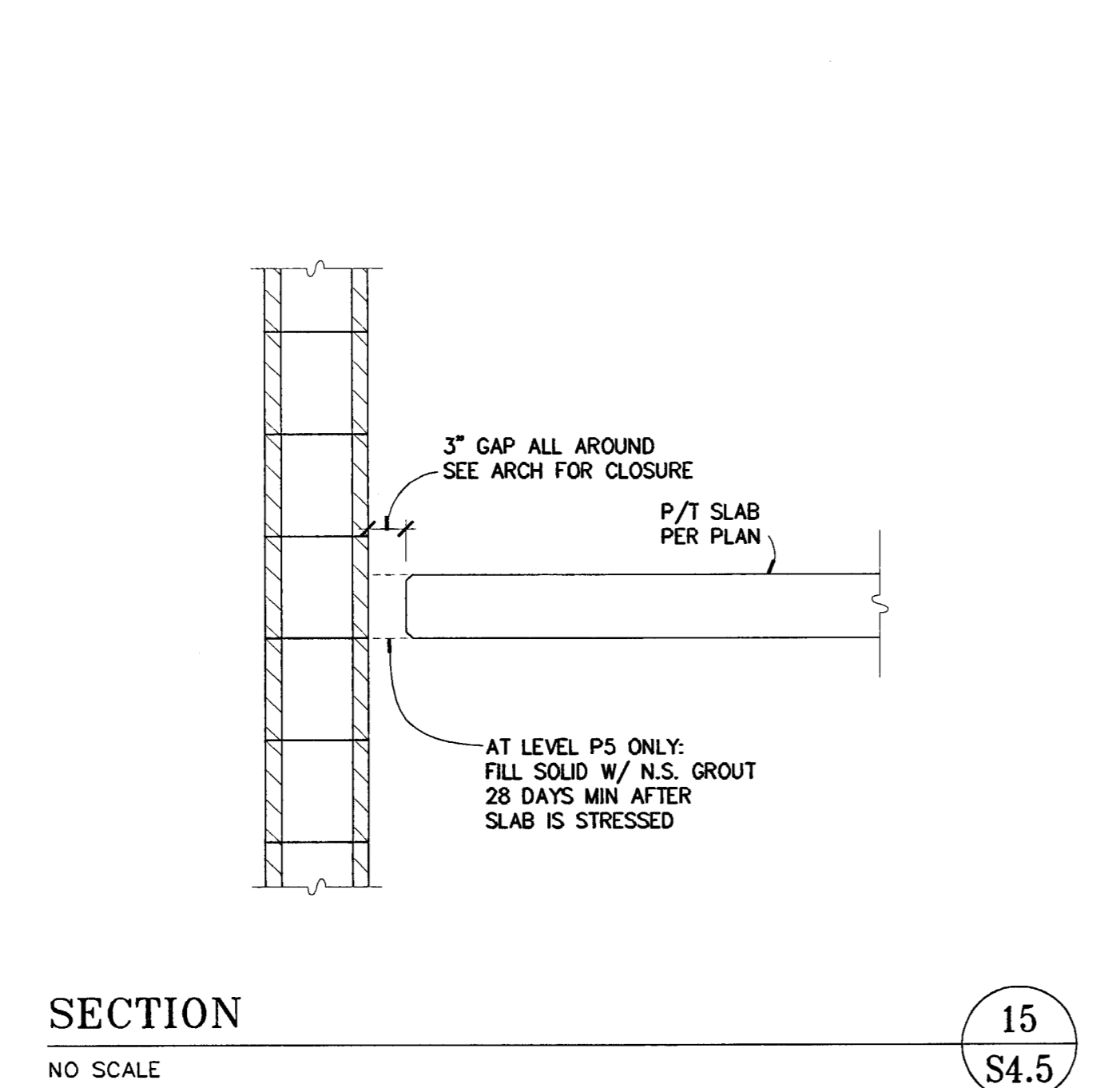
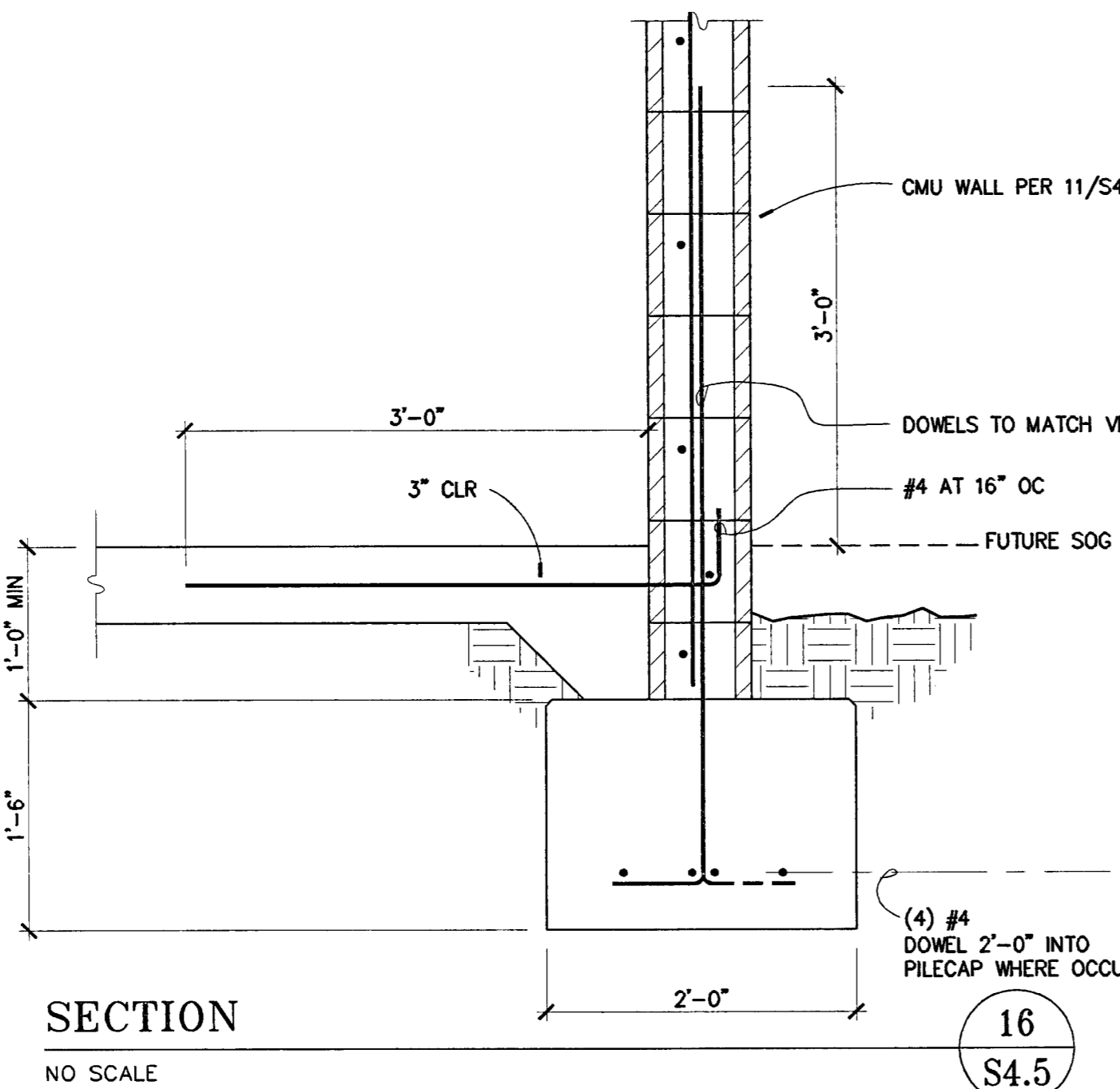
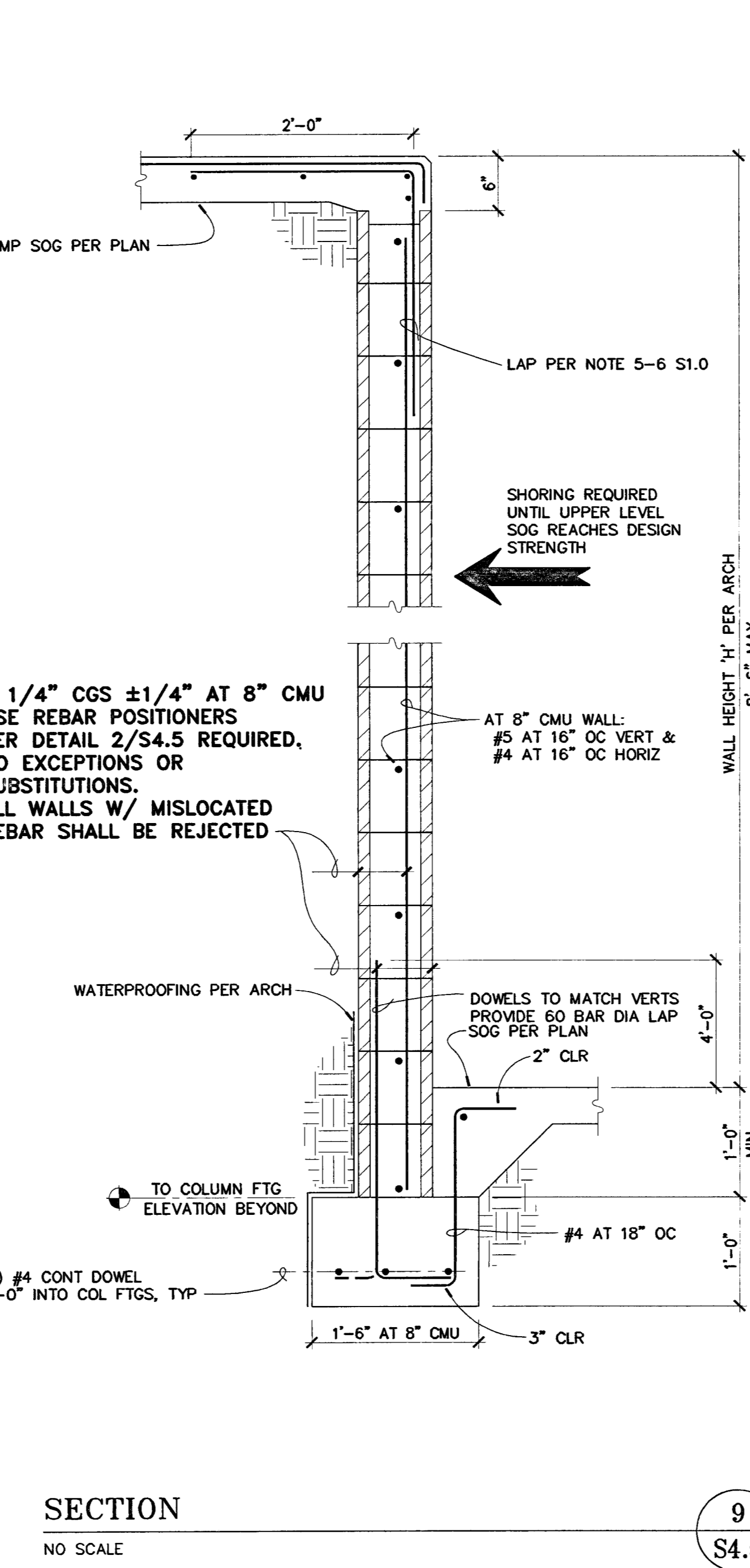
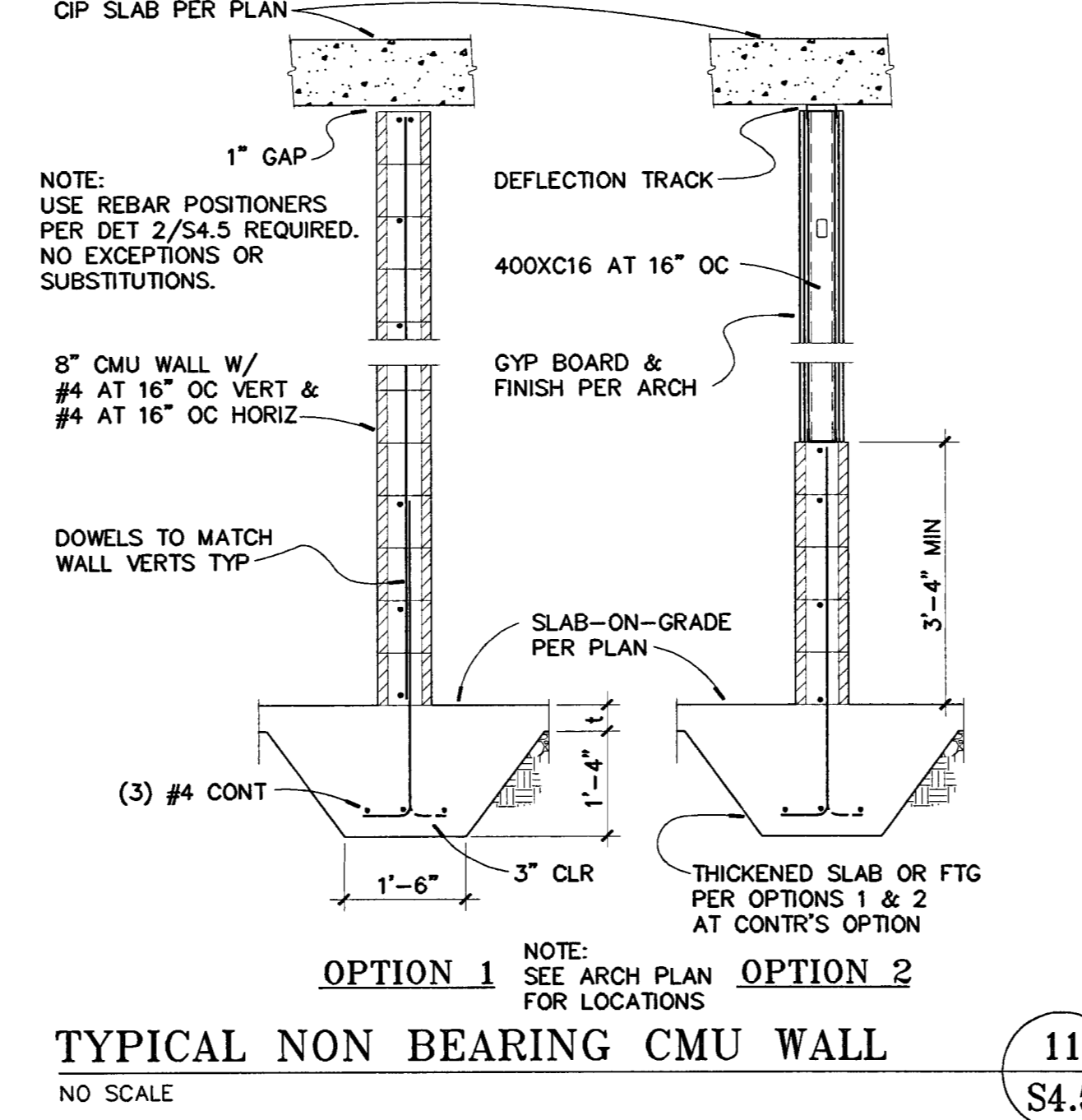
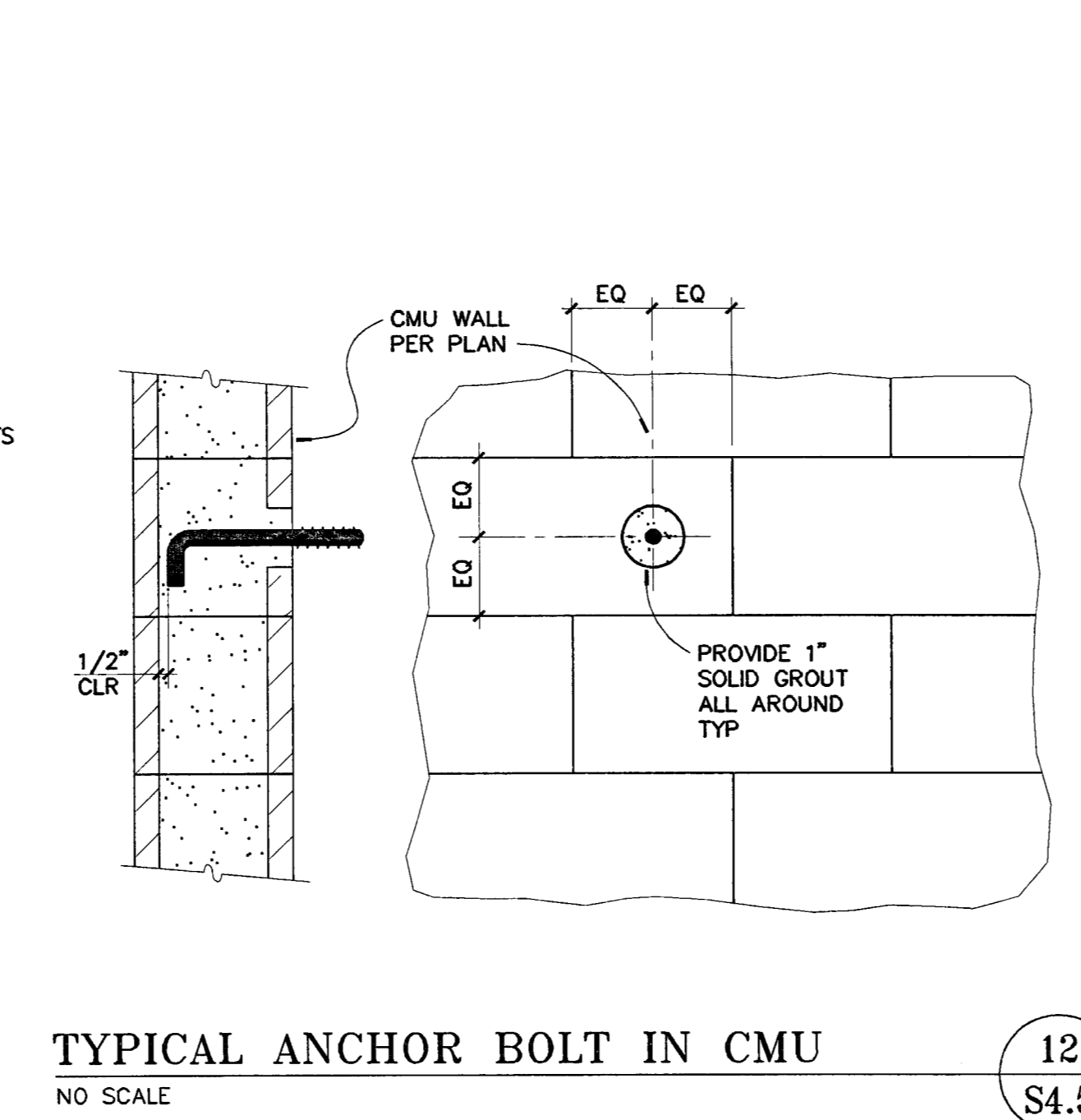
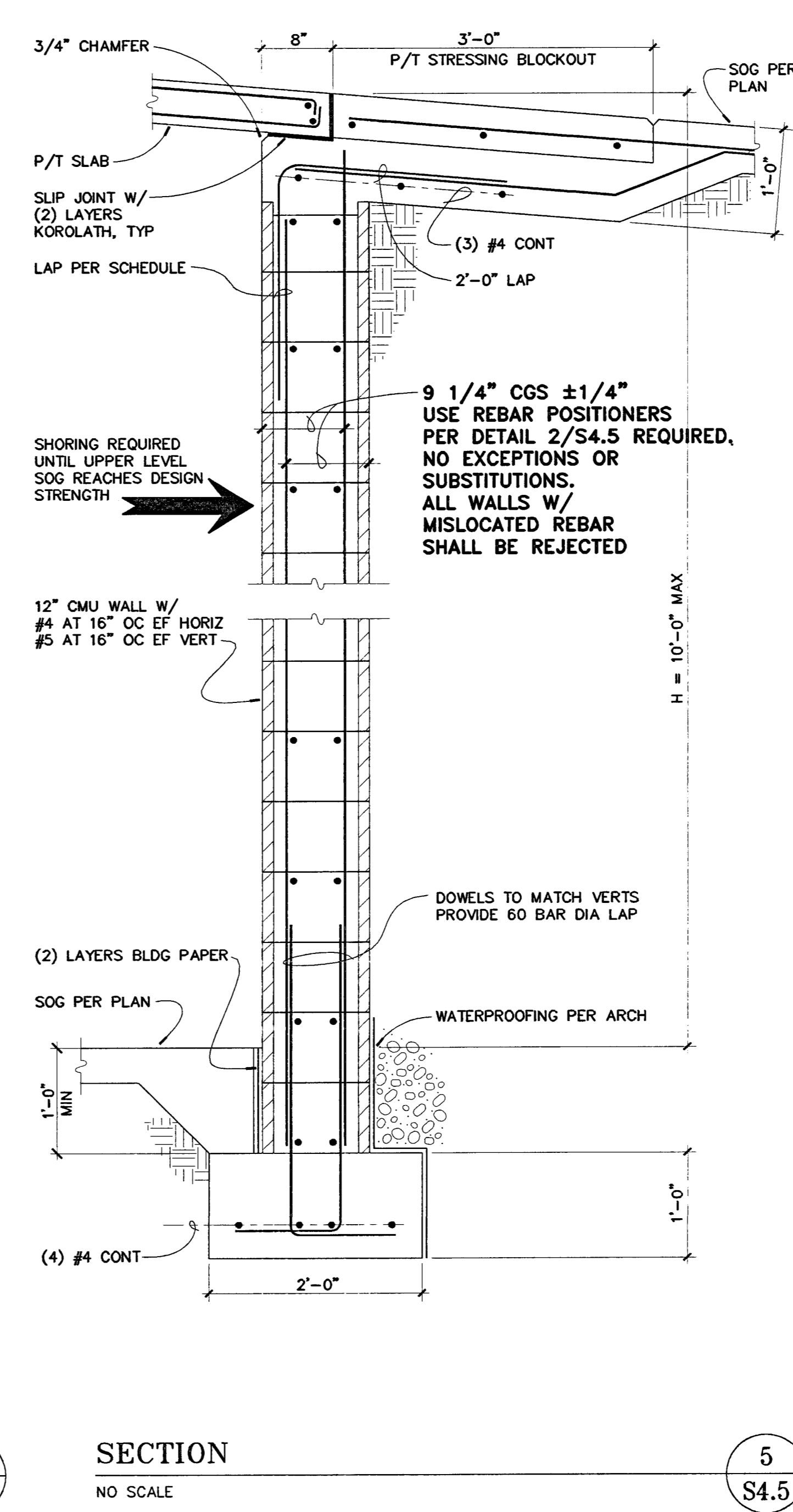
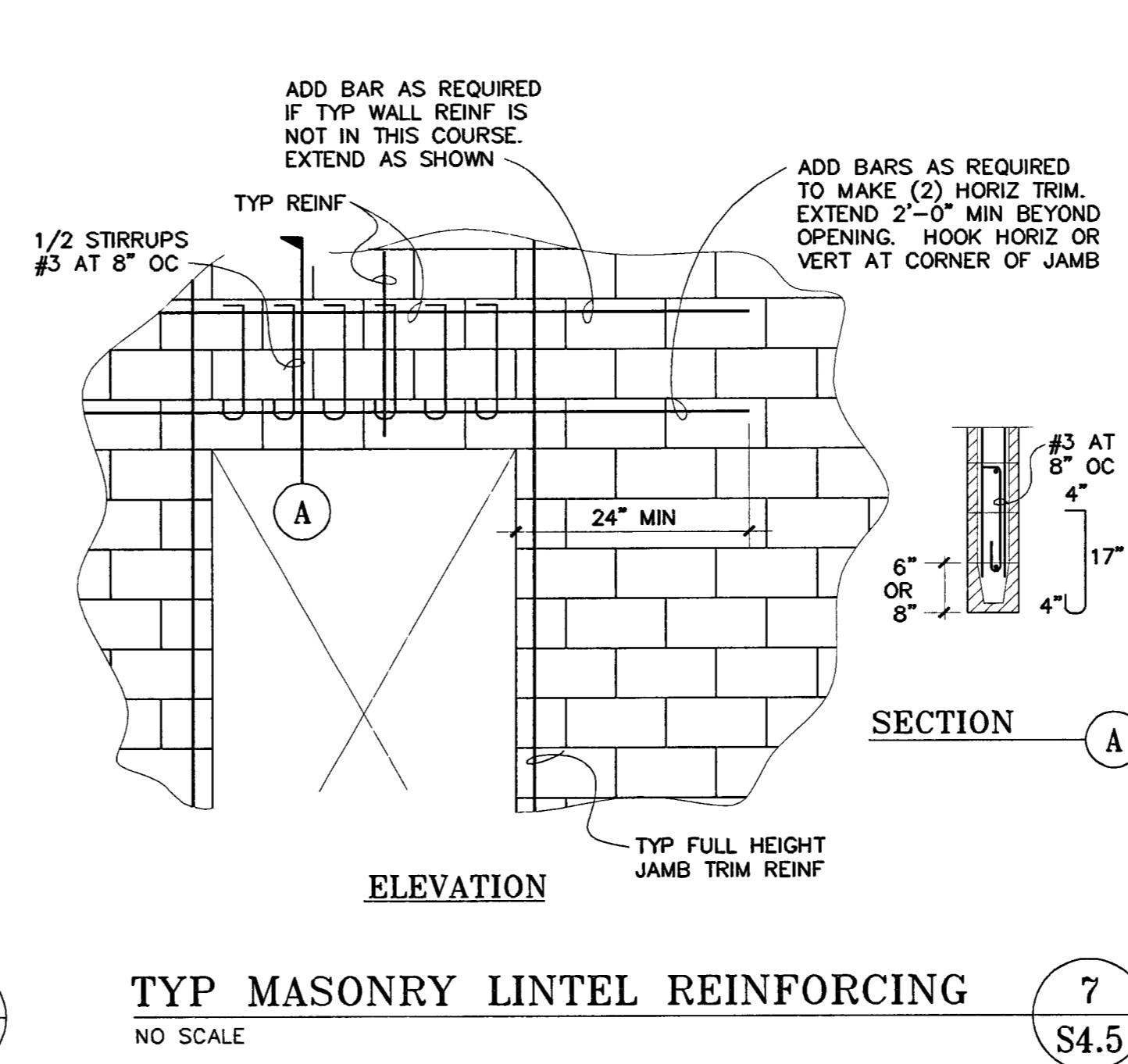
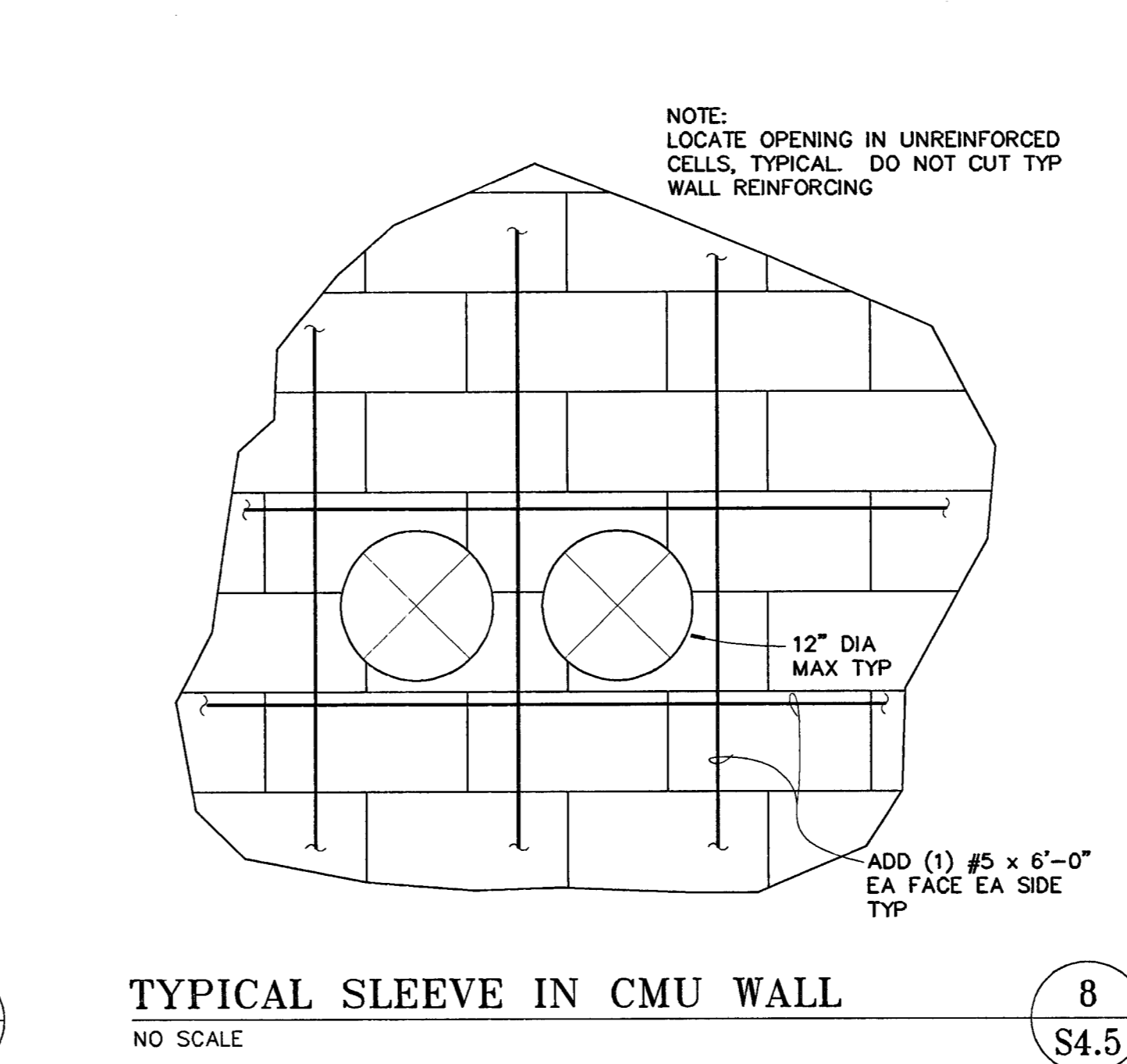
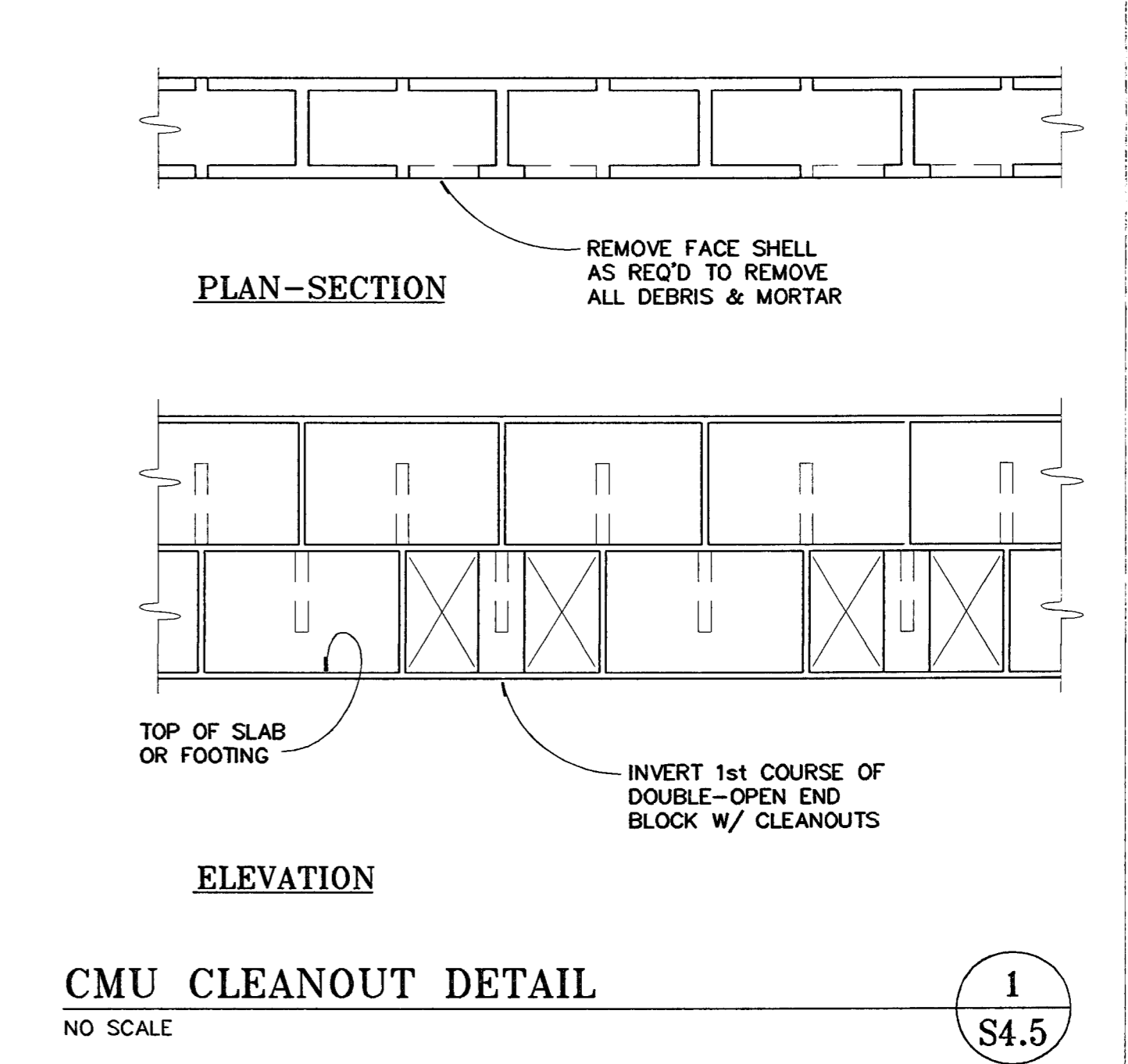
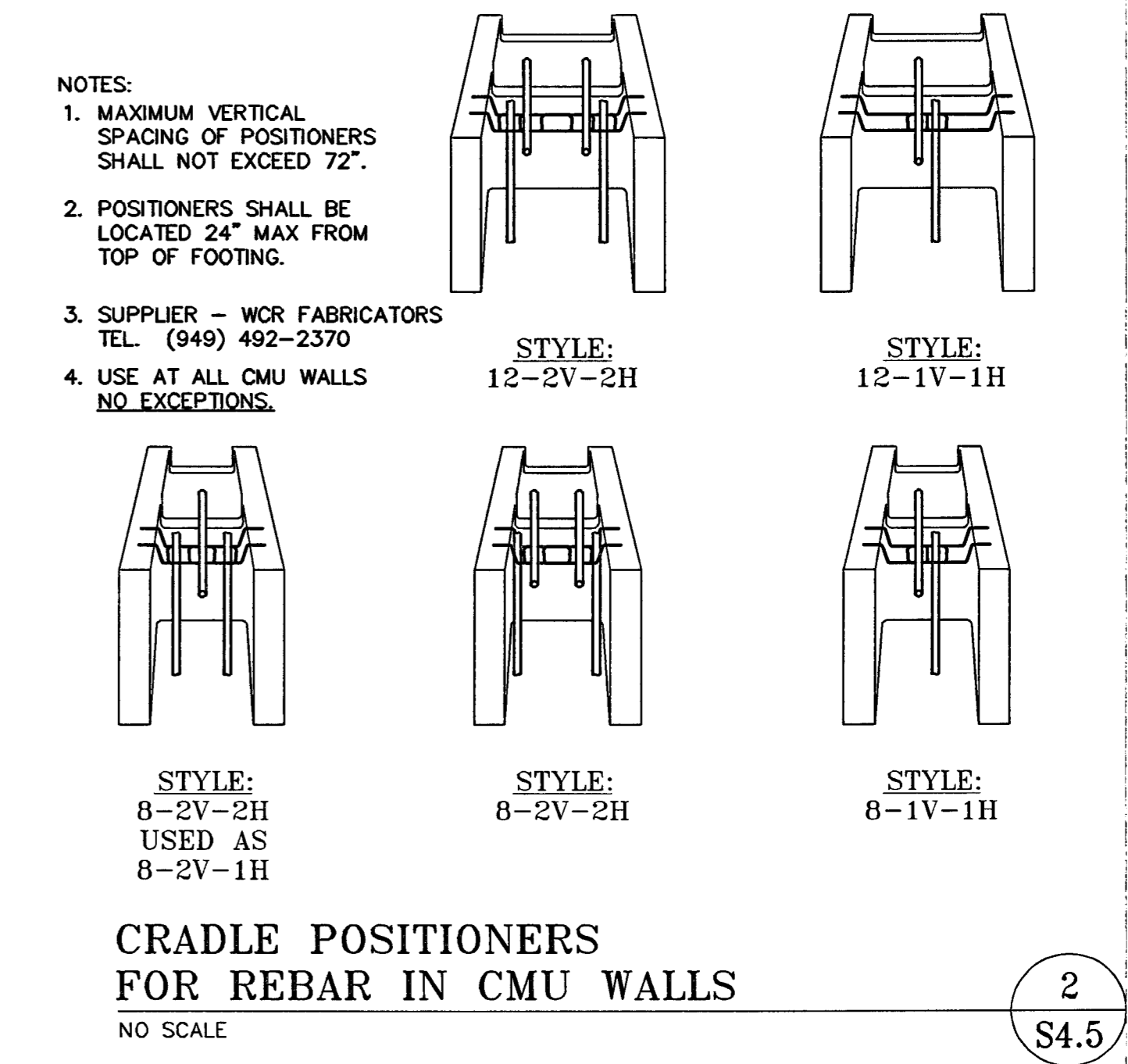
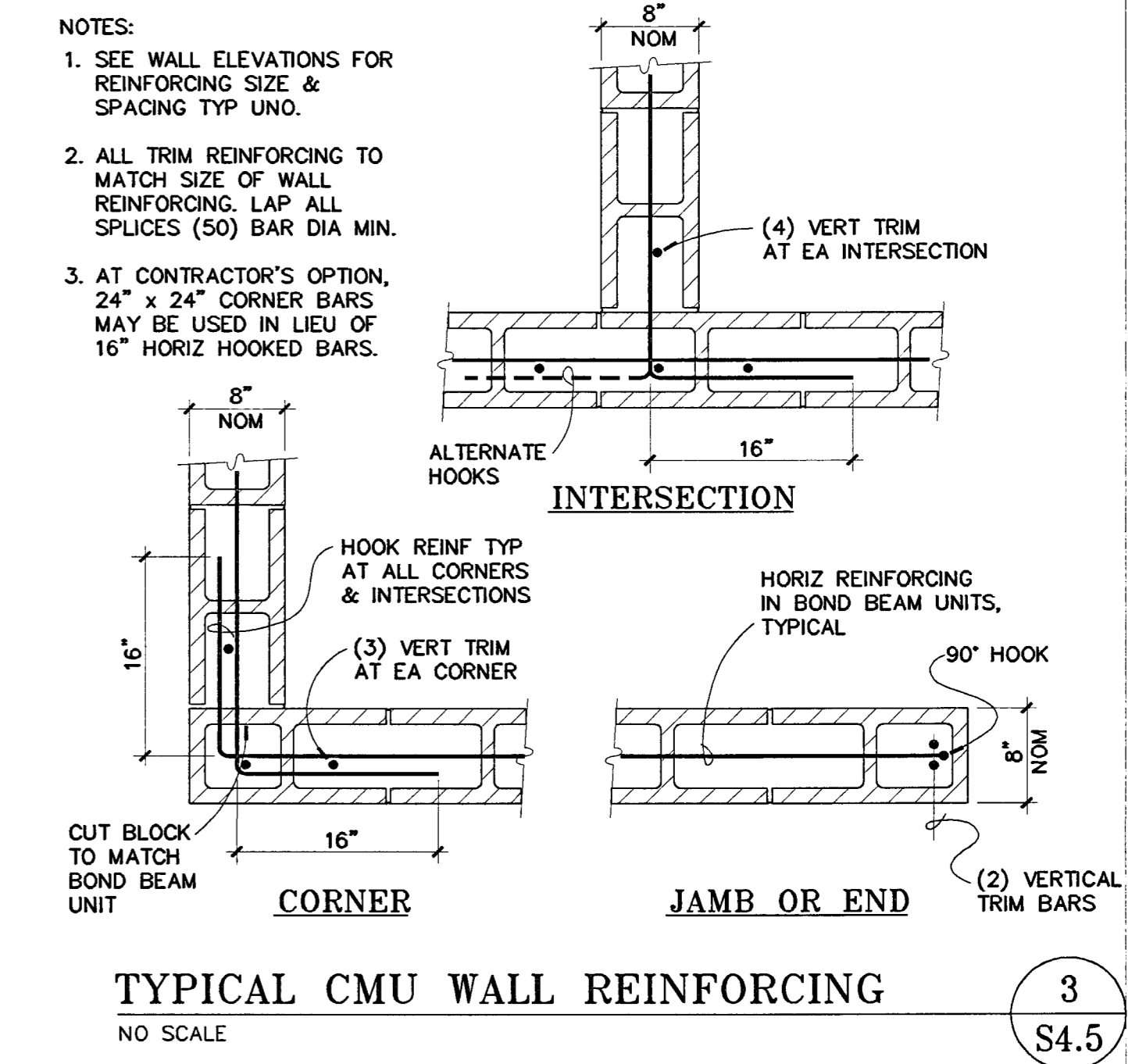
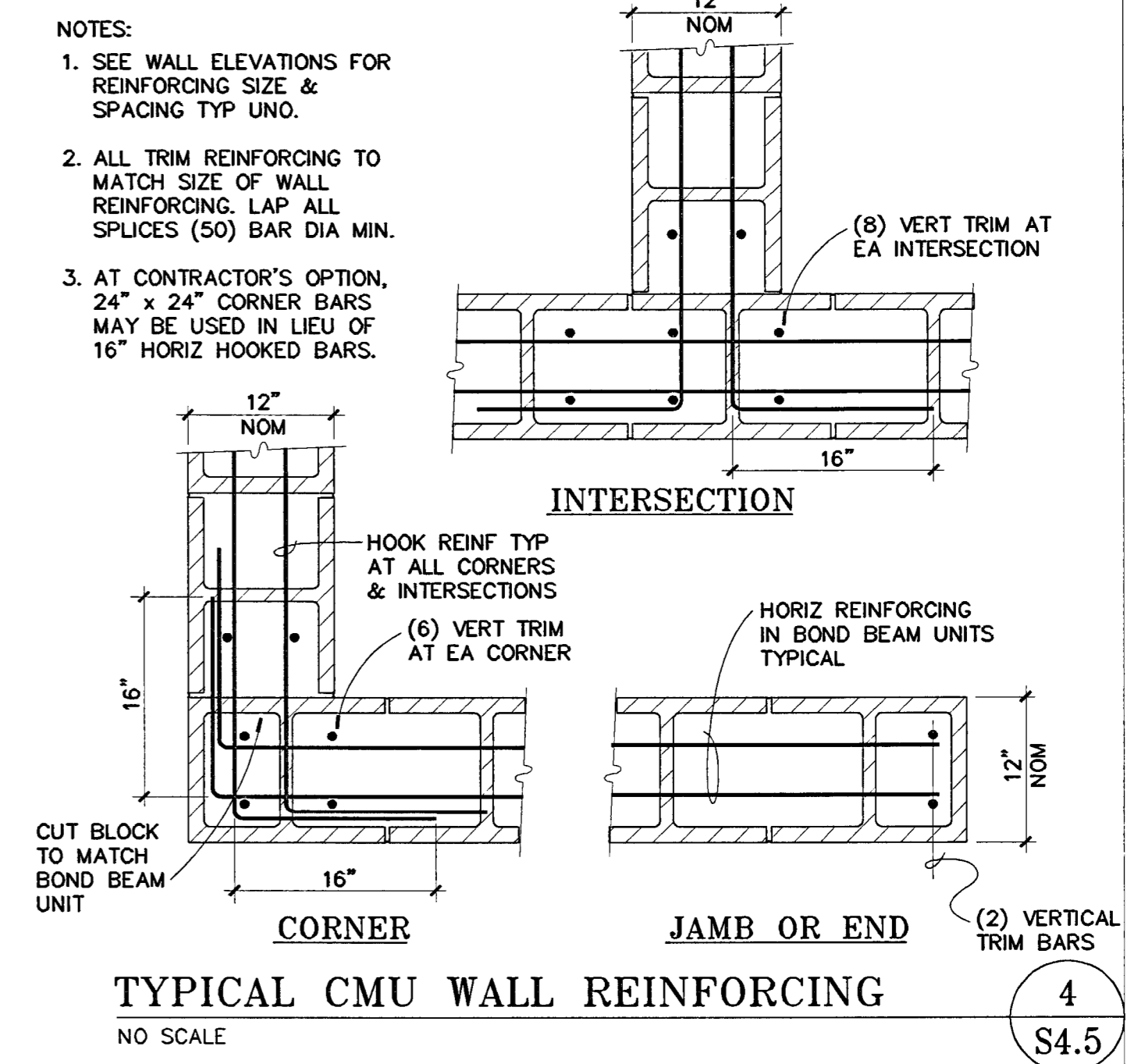
REVISIONS:
 2-28-05 RESPONSE TO PLAN CHECK

BERRYMAN & HENIGAR
 APPROVED
 MAR 09 2005



**ALTERNATE
 SLAB REINFORCING
 & BEAM TIES**

DATE	SCALE
02/28/04	1" = 1'-0"
DRAWN BY	CHECKED BY
MATT	
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.
DRAWING NO.	S4.4
PROJECT NO.	HNA 2319



CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
 F&H Construction
 4845 Waterloo Road
 Stockton, California 95215
 209.931.3738

CONSULTANTS:

Architect - Parking Consultant
 HNA / Pacific
 61 Sea Breeze Avenue
 Rancho Palos Verdes, California 90275
 310.544.8670

Design Architect
 Wenzel Mattheis Bowe
 246 E. Main Street
 Stockton, California 95202
 209.944.9110

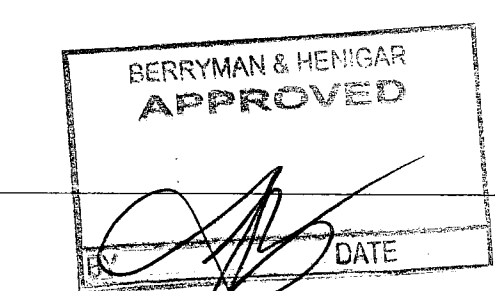
Structural Engineer
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Civil Engineer
 Siegfried Engineering, Inc.
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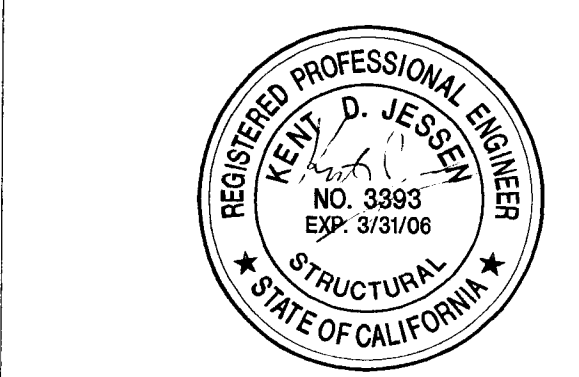
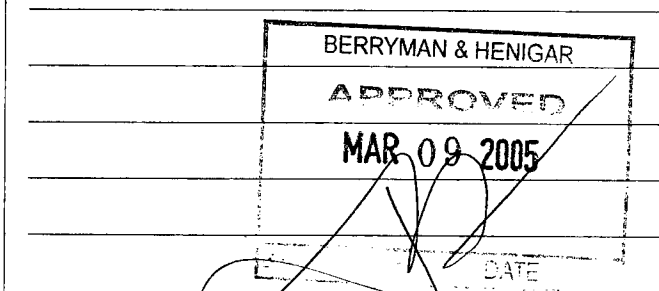
Plumbing Designer - Design/Builder
 HRM Plumbing
 3650 Wilcox Road
 Stockton, California 95215
 209.931.9650

Electrical Designer - Design/Builder
 Collins Electrical
 611 W. Fremont Street
 Stockton, California 95203
 209.466.3691

Mechanical Designer - Design/Builder
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601



REVISIONS:
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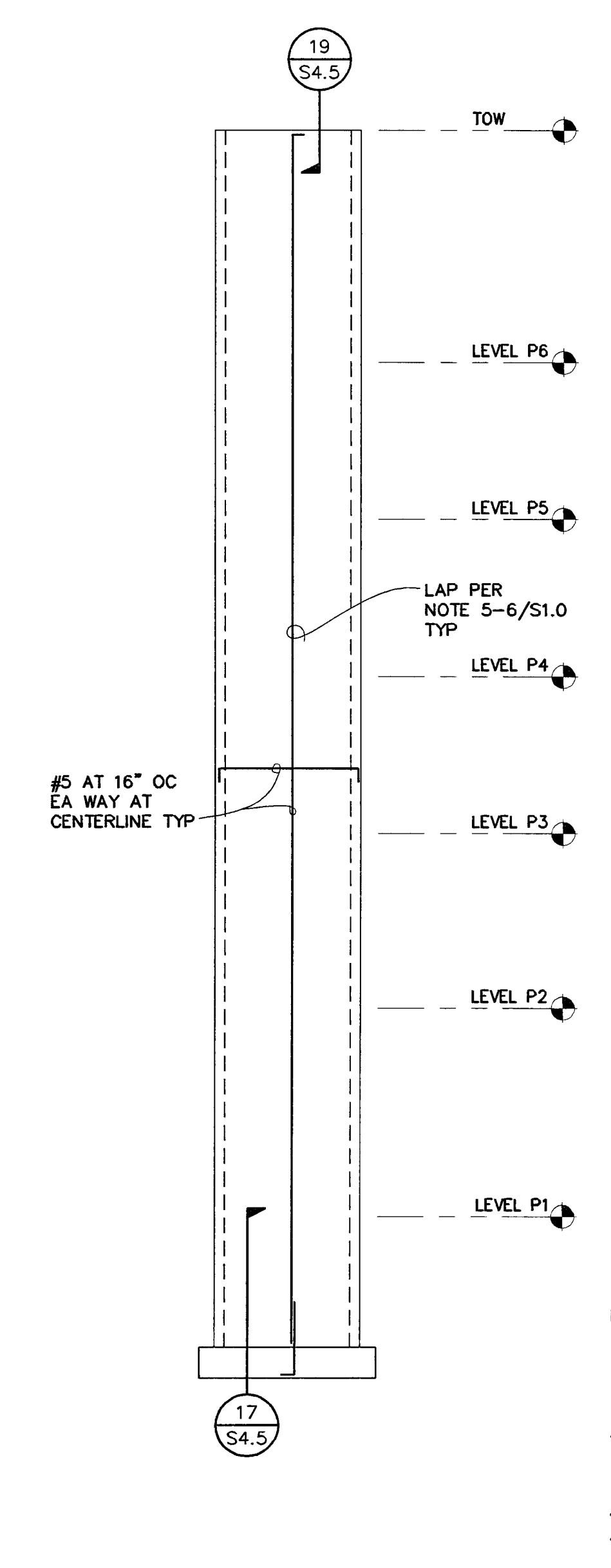


SHEET TITLE
ELEVATOR ELEVATIONS

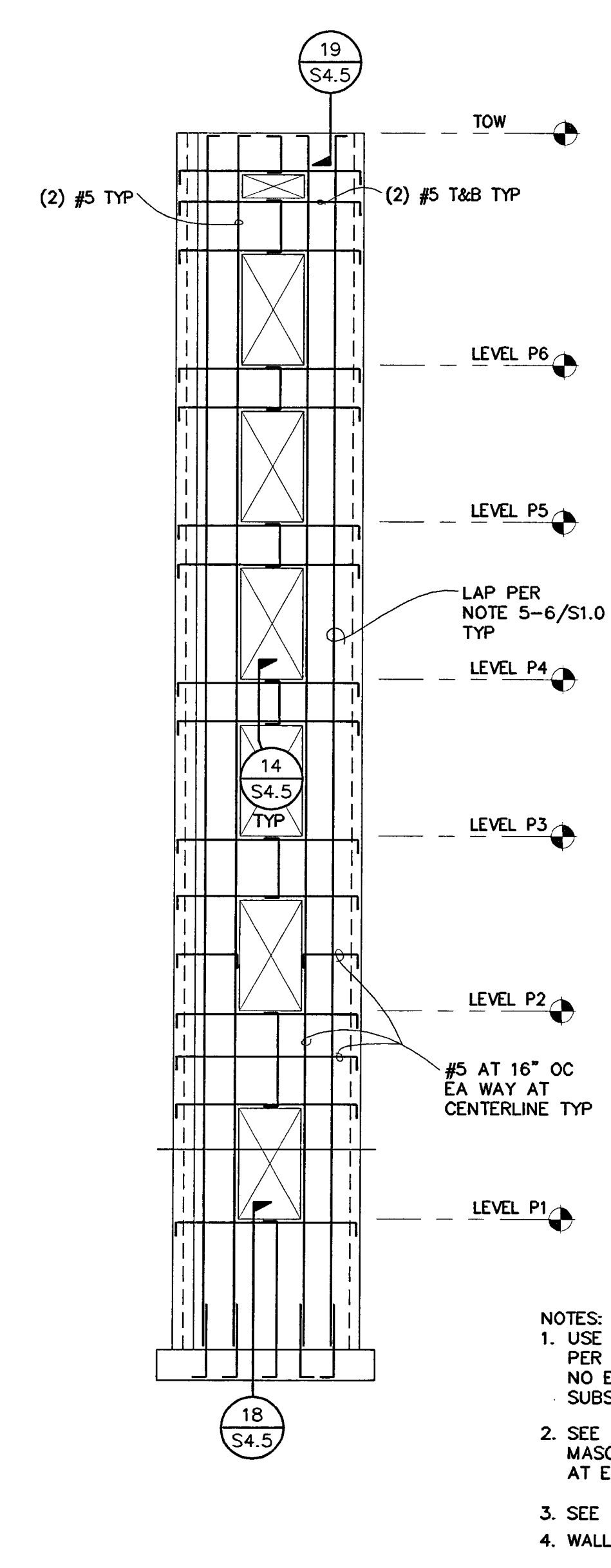
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07/28/04	3/32" = 1'-0"
DRAWN BY	CHECKED BY
MMM	
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PROGRAM NO.	R.NO.

DRAWING NO:
S4.6

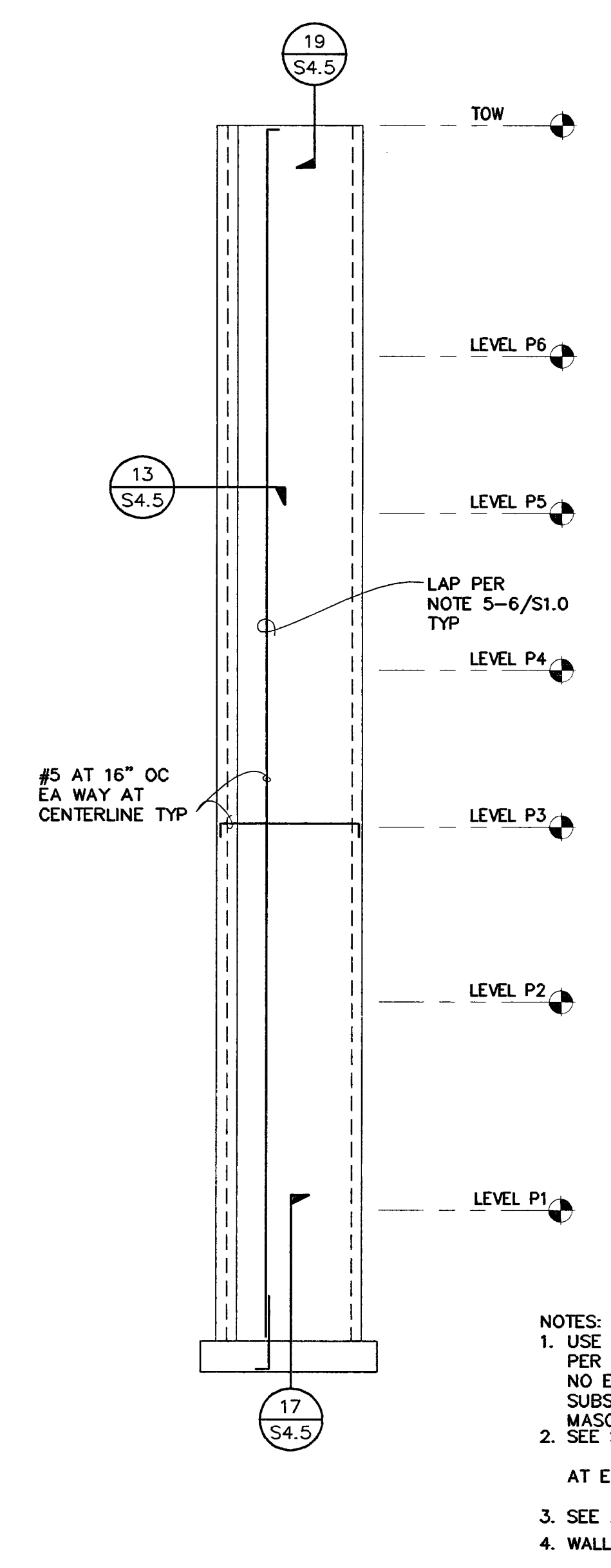
PROJECT NO:
 HNA 2319



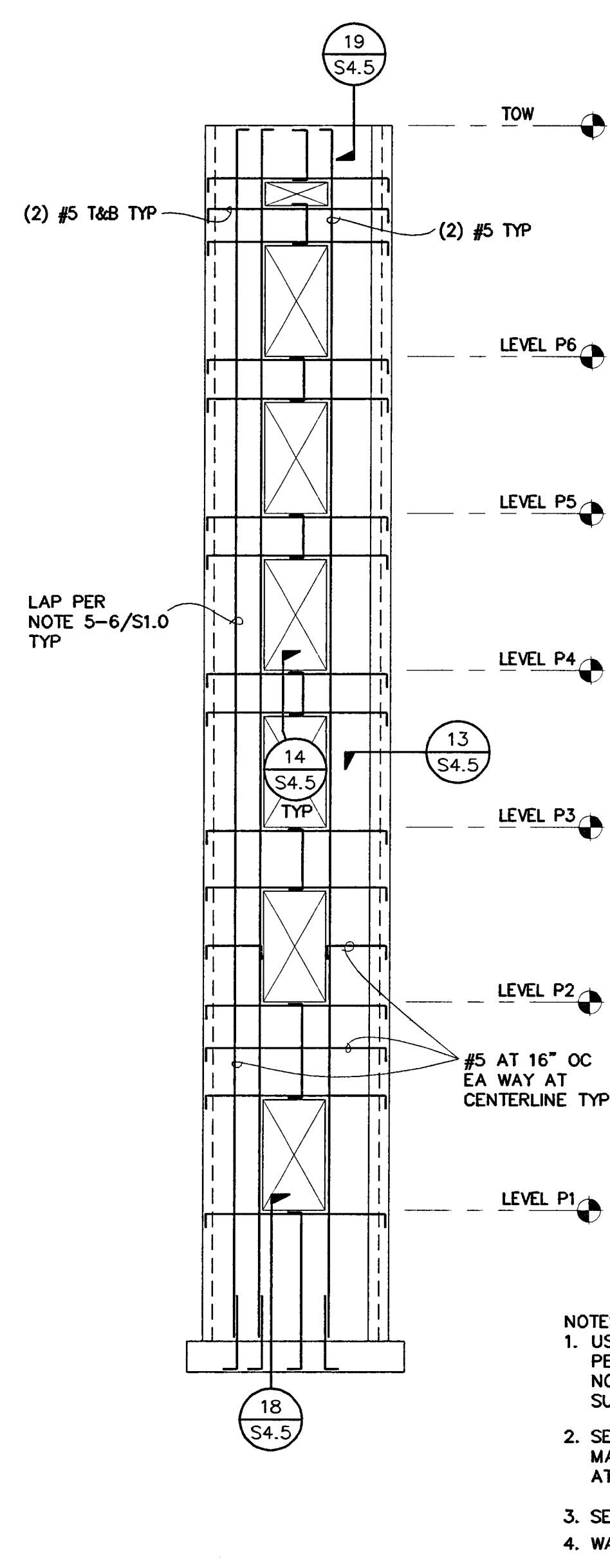
ELEVATOR ELEVATION **7**
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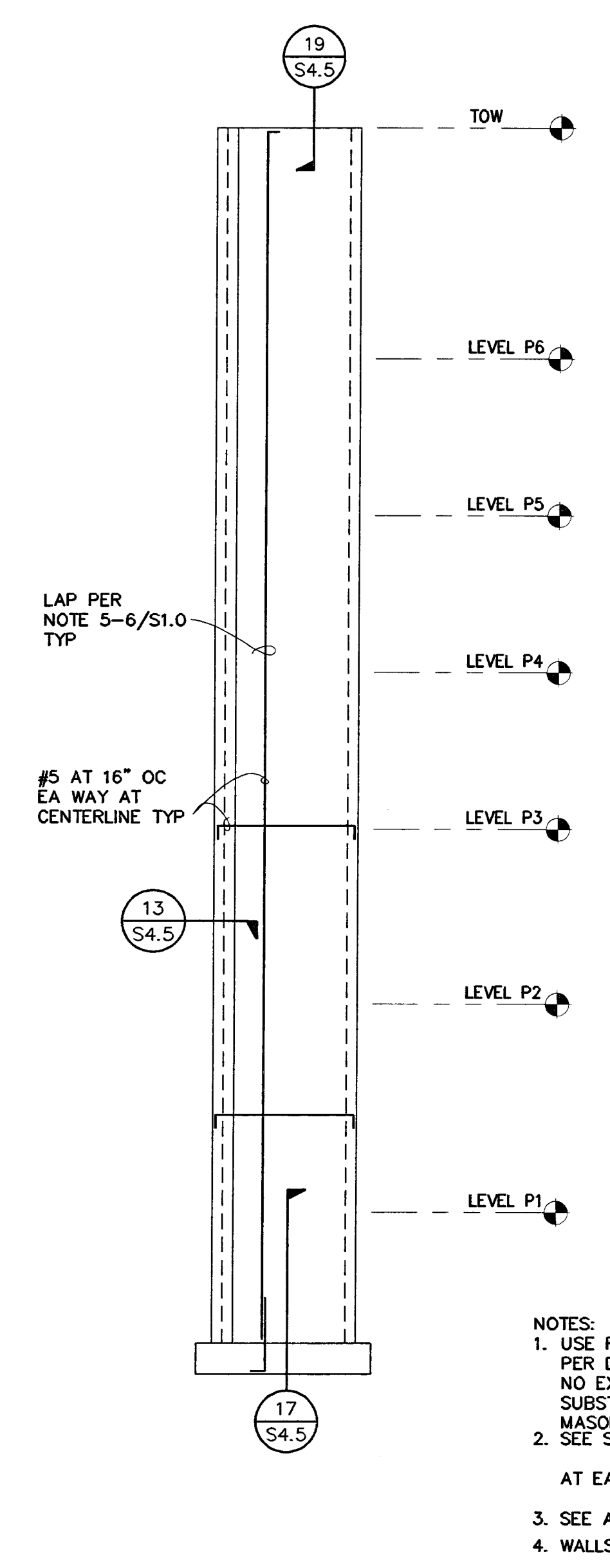
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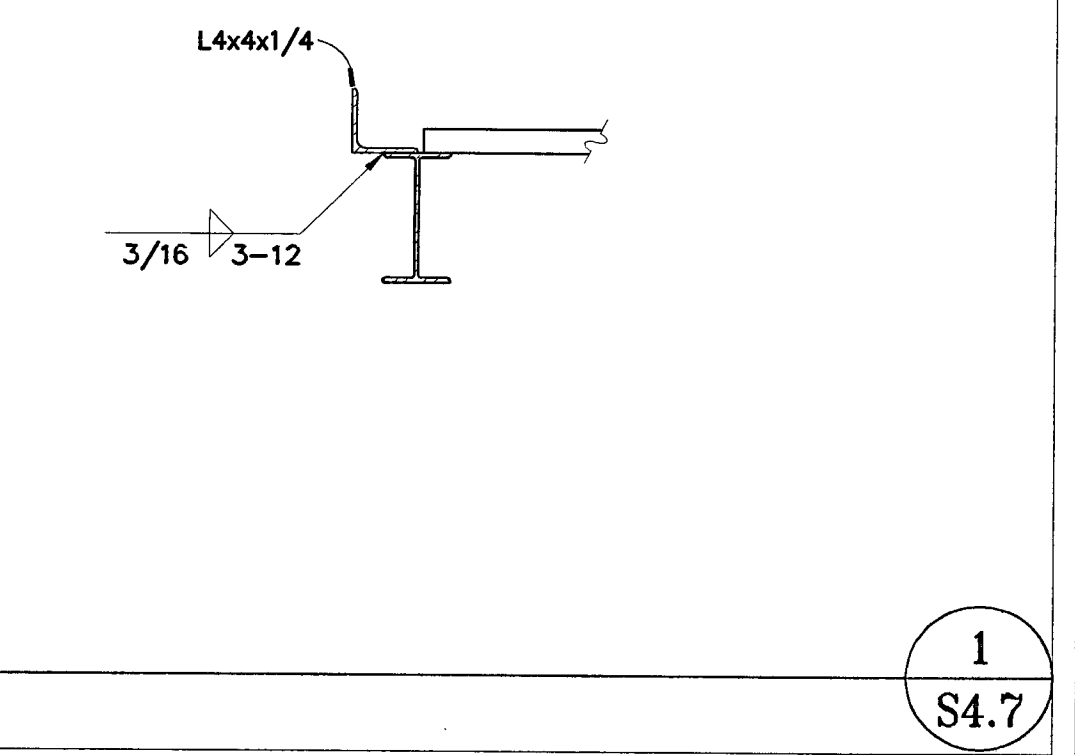
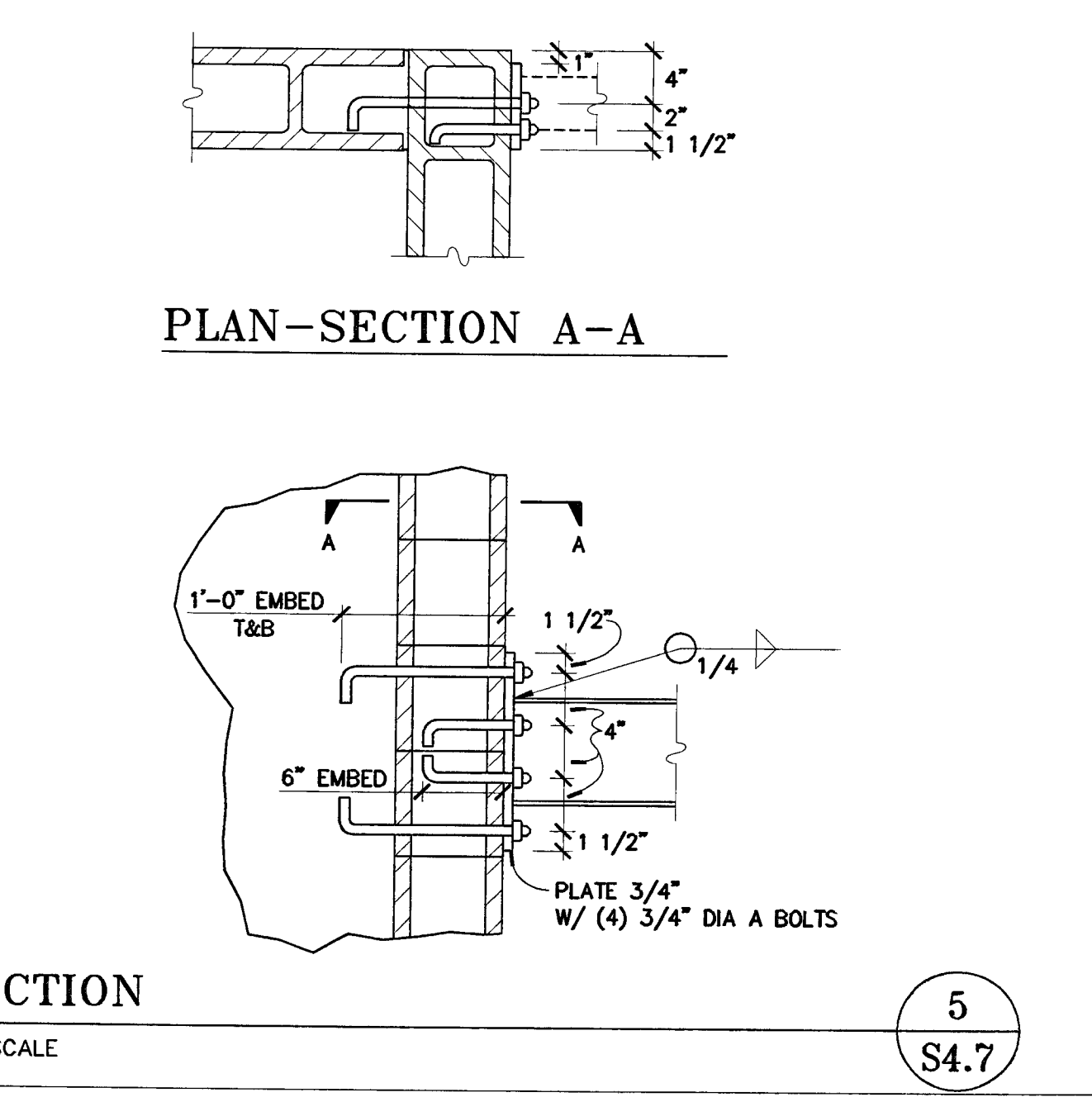
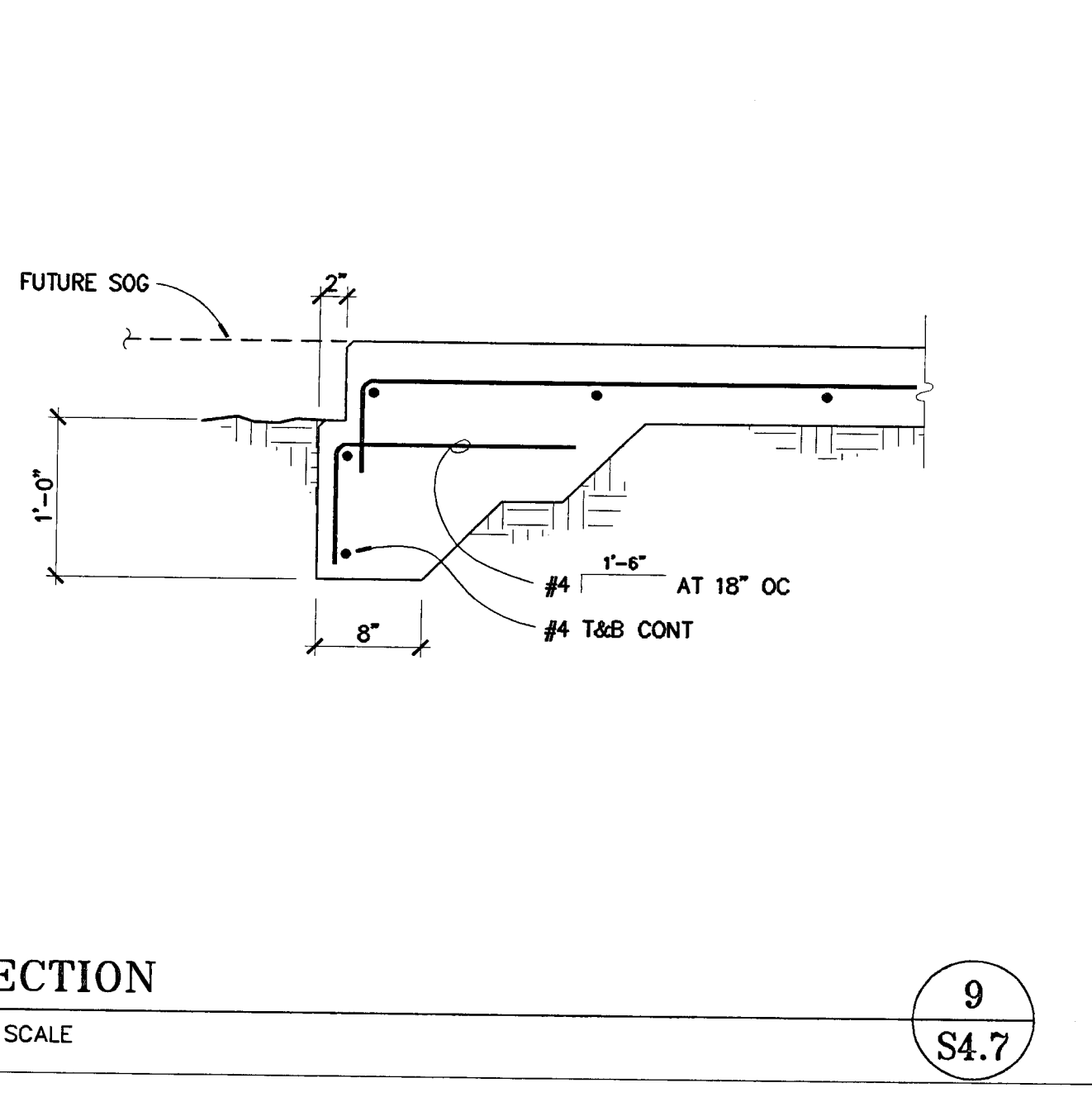
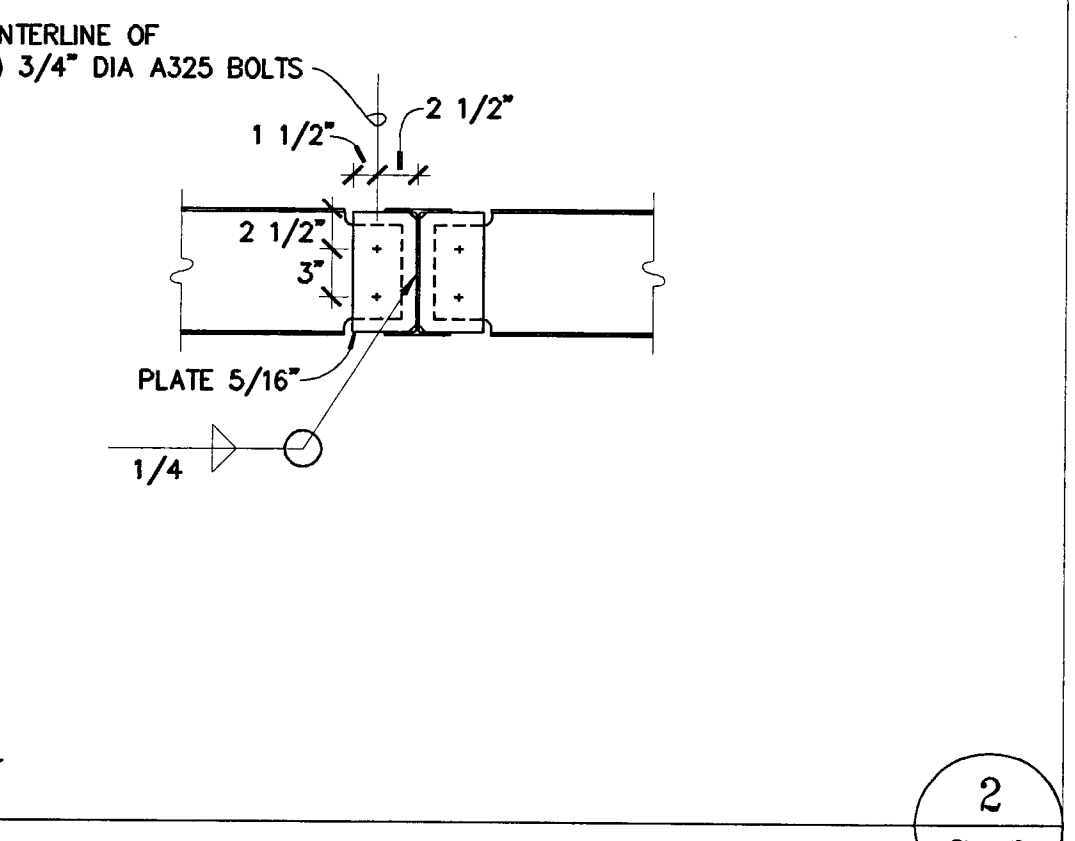
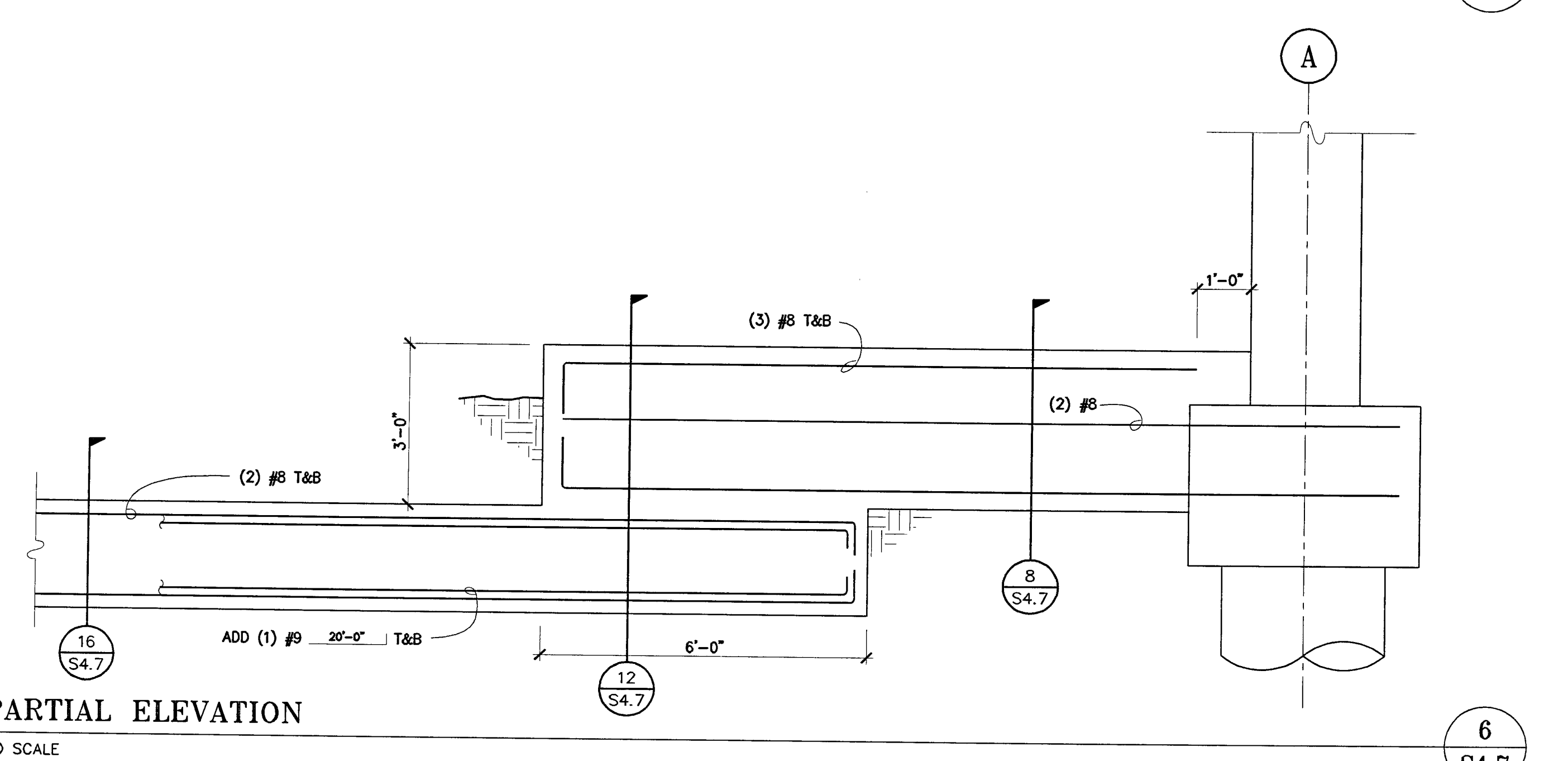
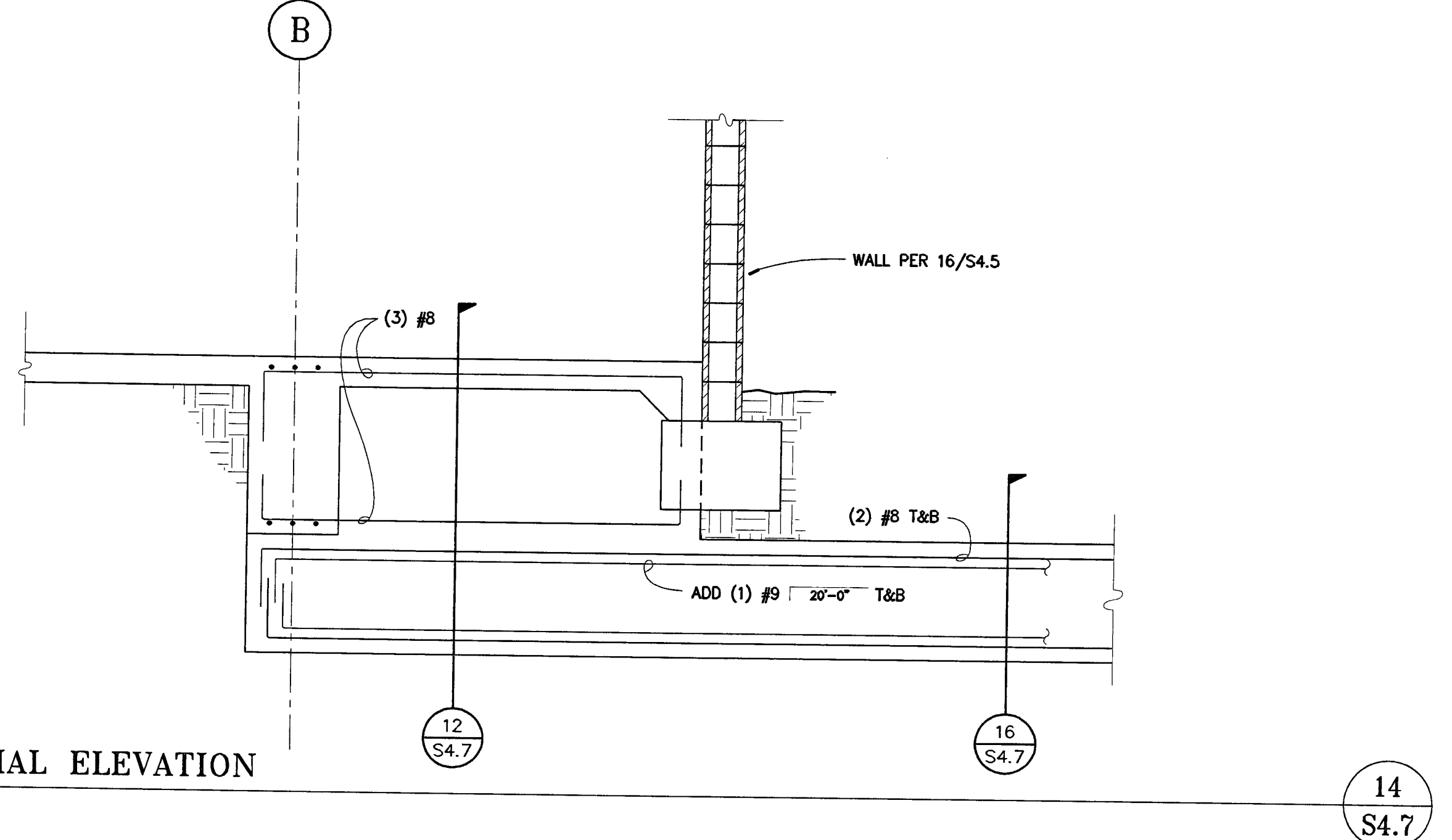
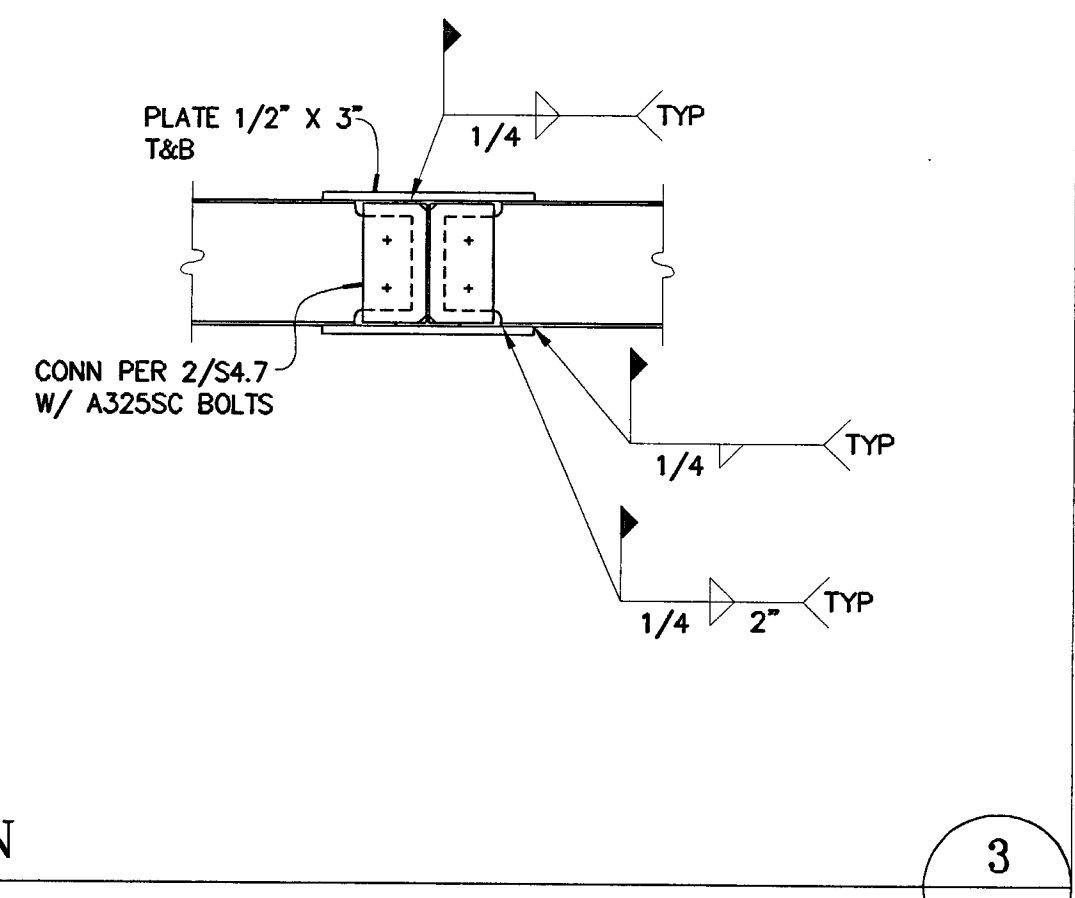
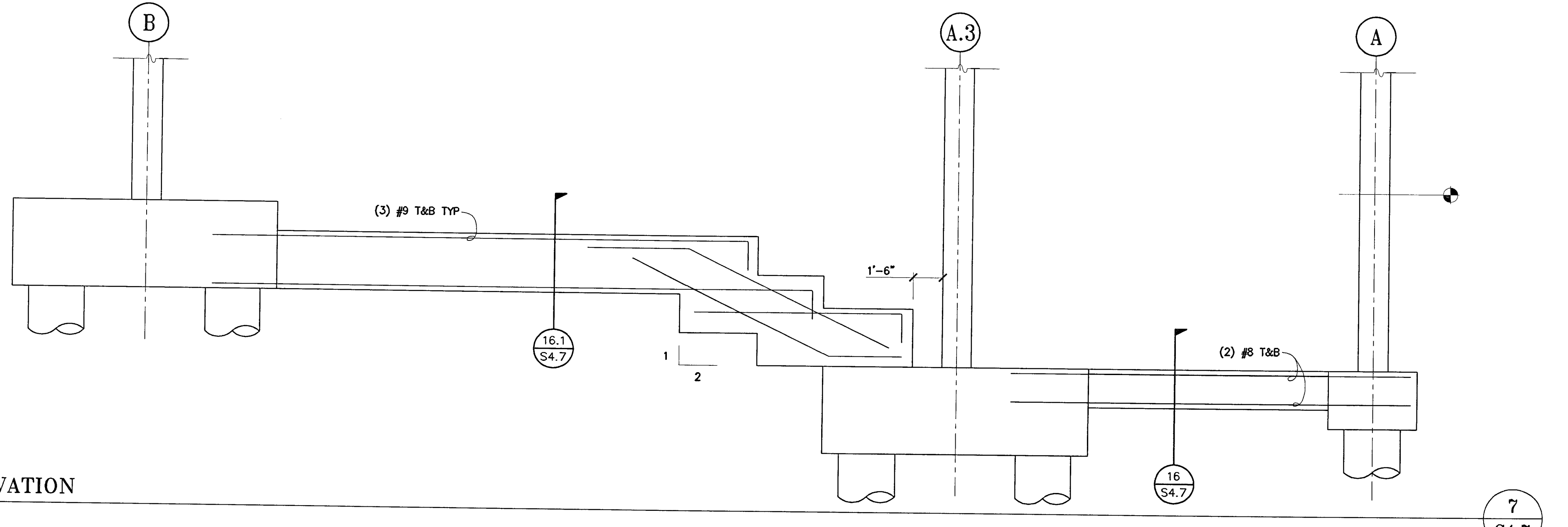
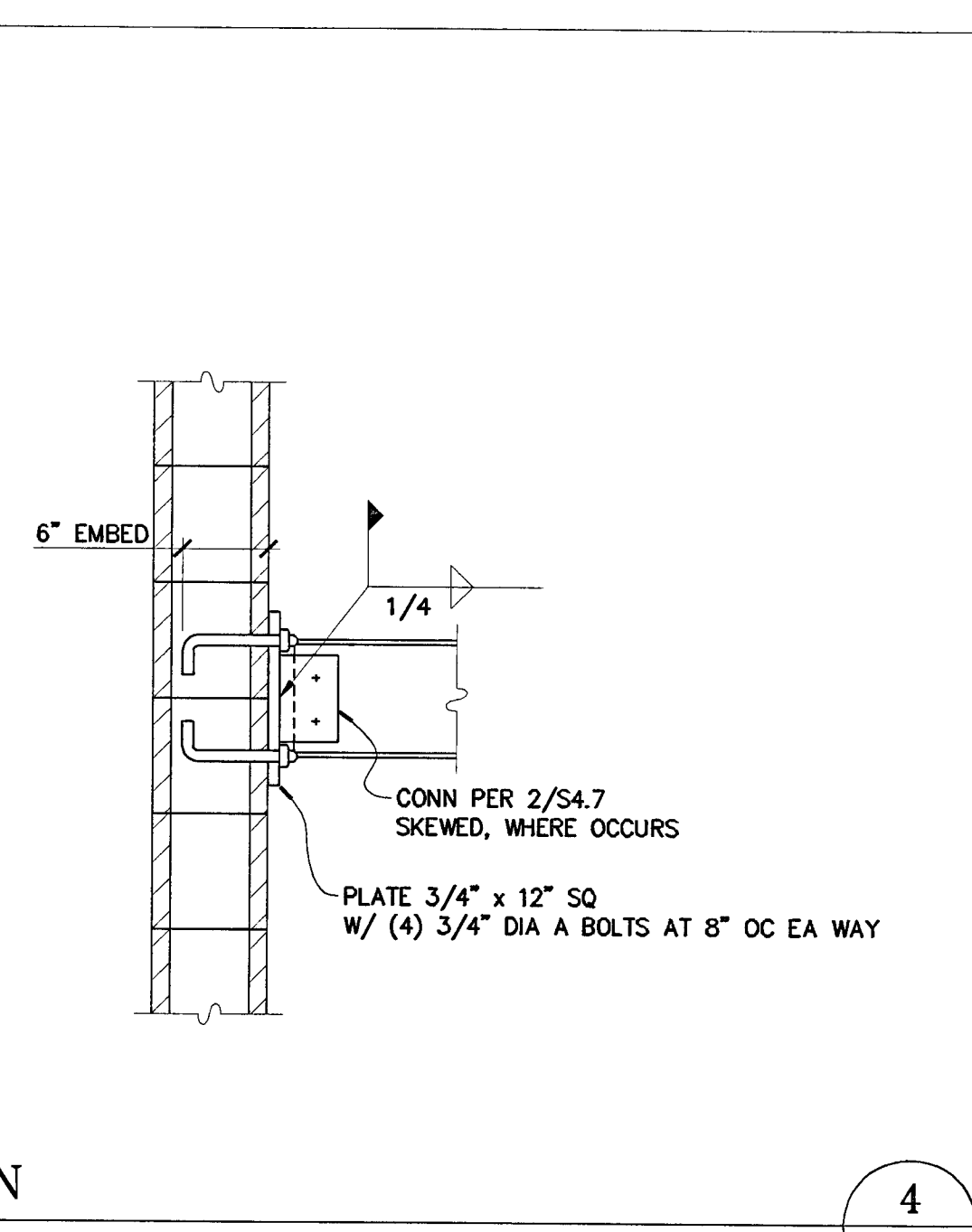
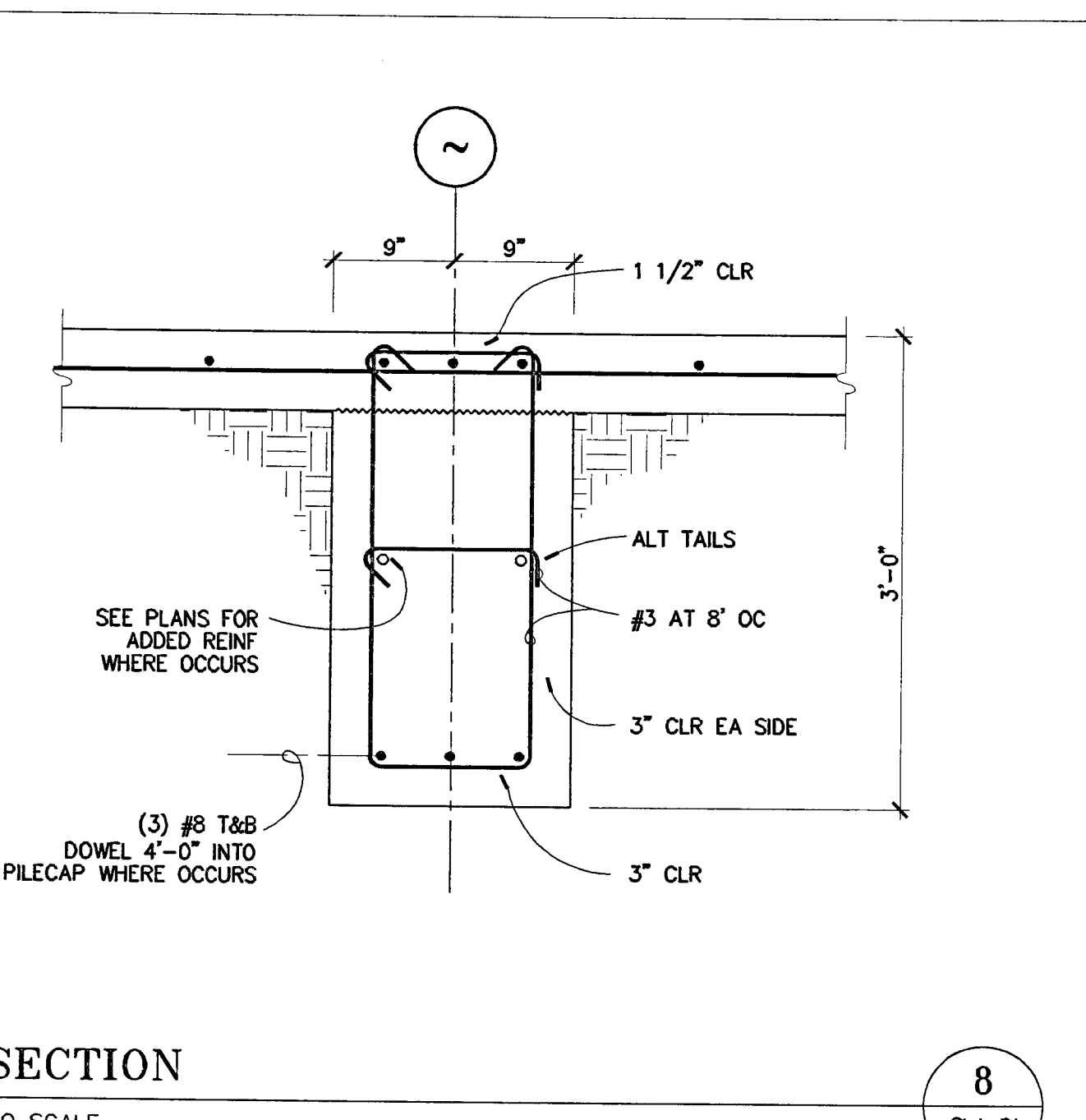
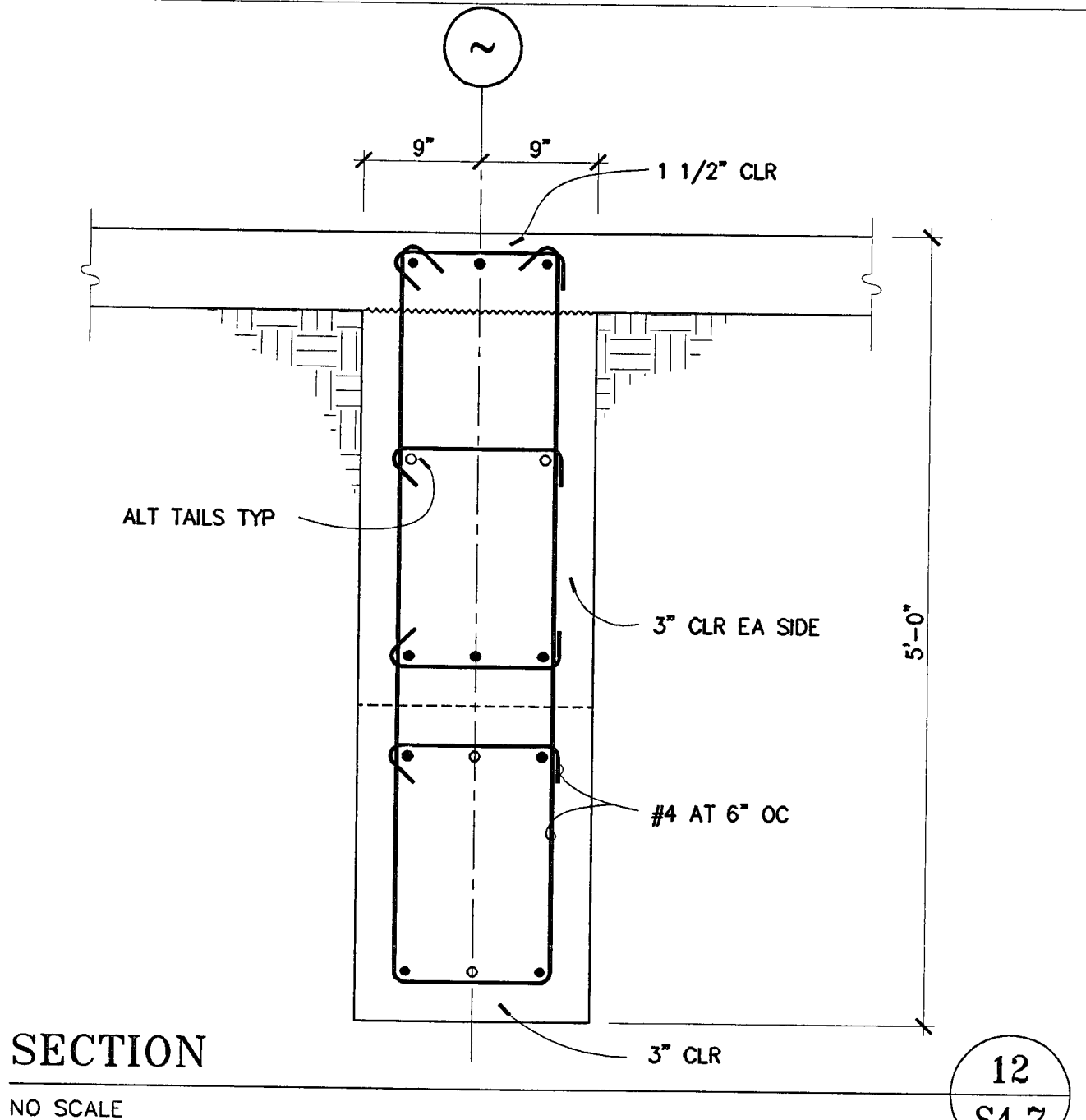
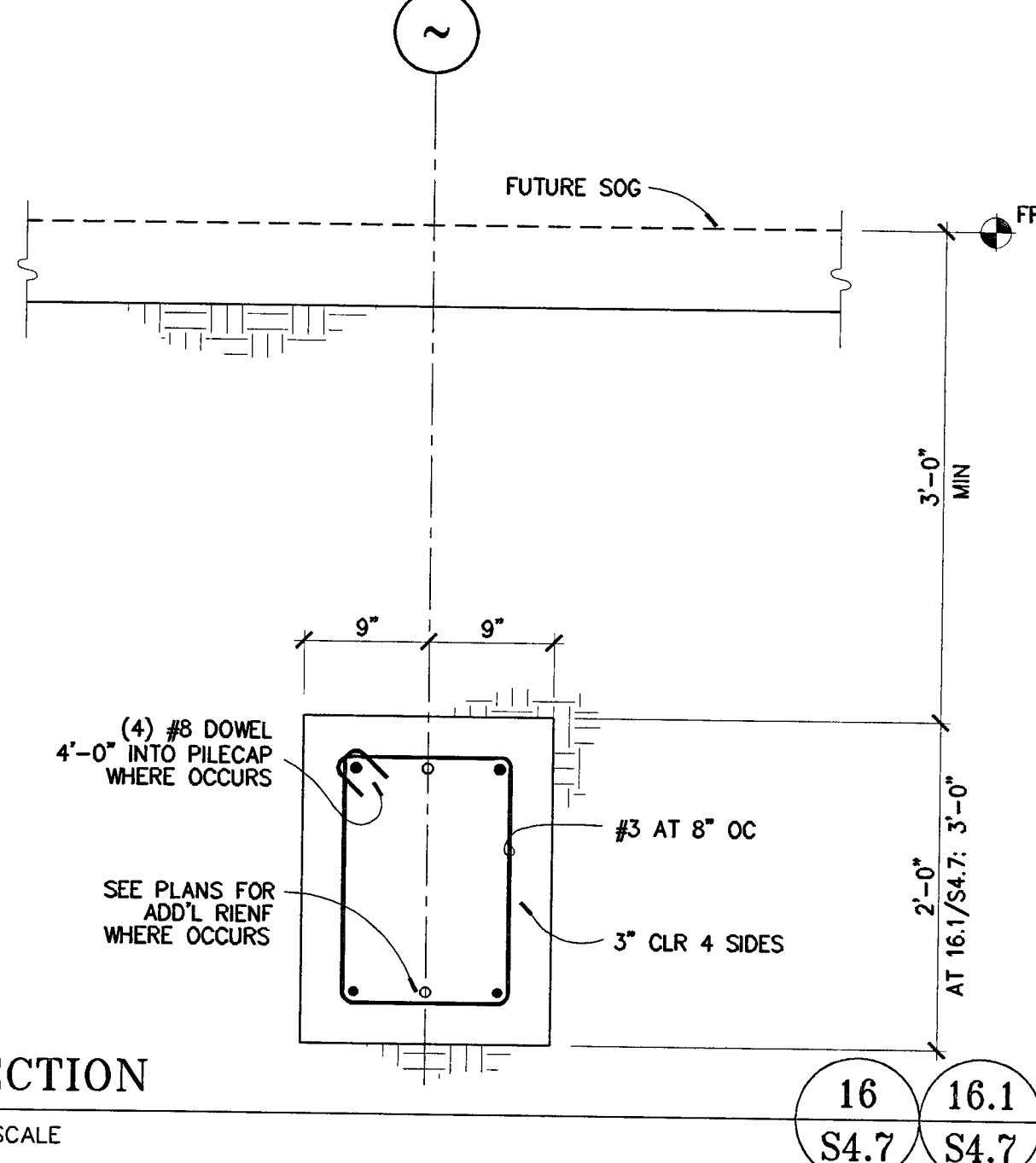
ELEVATOR ELEVATION **9**
 NO SCALE S4.6



ELEVATOR ELEVATION **5**
 NO SCALE S4.6



ELEVATOR ELEVATION **1**
 NO SCALE S4.6



CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA
 OWNER:
 City of Stockton
 DESIGN BUILDER:
 F&H Construction
 4945 Waterloo Road
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 Civil Engineer
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 HRM Plumbing
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 Electrical Designer - Design/Build
 Collins Electrical
 611 W. Fremont Street
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 209.466.3691
 Mechanical Designer - Design/Build
 Comfort Air
 1607 Turnpike Road
 Stockton, California 95201
 209.466.4601

BERRYMAN & HENIGAR
 APPROVED
 REVISION BY DATE
 2-28-05 RESPONSE TO PLAN CHECK
 BERRYMAN & HENIGAR
 APPROVED
 MAR 03 2005



SHEET TITLE
DETAILS

DATE 07/28/04	SCALE 1" = 1'-0"
DRAWN BY MATT	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.
DRAWING NO. S4.7	
PROJECT NO. HNA 2319	

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
 City of Stockton

DESIGN BUILDER:
F&H Construction
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REVIEW
 JUN 28 2005
 CITY OF STOCKTON
 ENGINEERING DEPT.

CONST. DOCUMENTS

REVISIONS:

PERMIT SET

SHEET TITLE
PLUMBING SITE PLAN

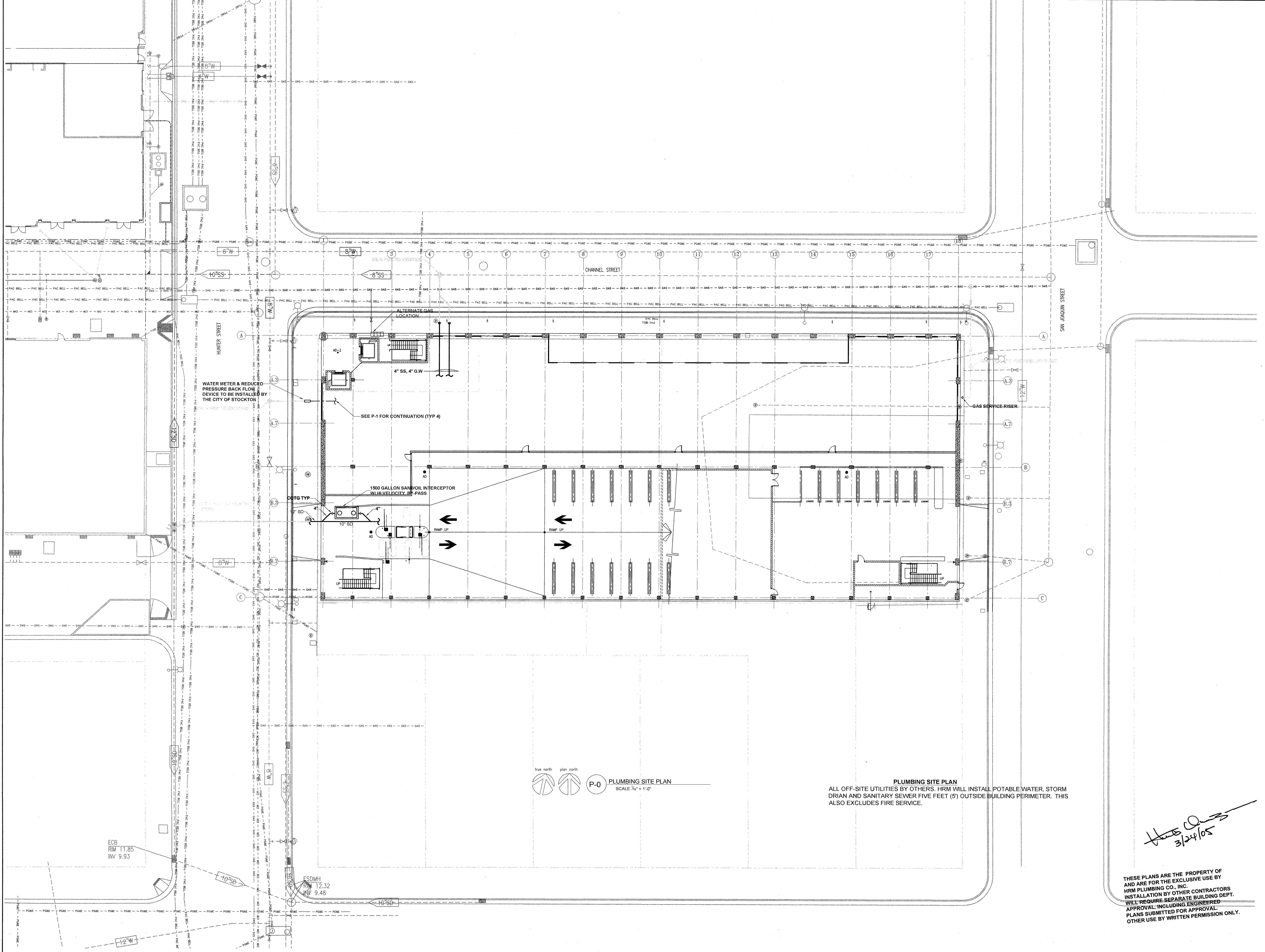
DATE	SCALE
24, MARCH 2005	1/4" = 1'-0"
DRAWN BY	CHECKED BY
HQDS	
DRAWING NO.	SHEET
PROGRAM NO.	R.N.O.

DRAWING NO.
P-0

PROJECT NO.
 HNA 2319

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 APPROVAL, INCLUDING ENGINEERED
 PLANS SUBMITTED FOR APPROVAL.
 OTHER USE BY WRITTEN PERMISSION ONLY.

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PLUMBING SITE PLAN
 SCALE: 1/4" = 1'-0"

ALL OFF-SITE UTILITIES BY OTHERS. HRM WILL INSTALL POTABLE WATER, STORM DRAIN AND SANITARY SEWER FIVE FEET (5) OUTSIDE BUILDING PERIMETER. THIS ALSO EXCLUDES FIRE SERVICE.

ECB
 RIM 11.85
 INV 9.93

FSDMH
 RIM 12.32
 INV 9.48

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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REVISIONS:

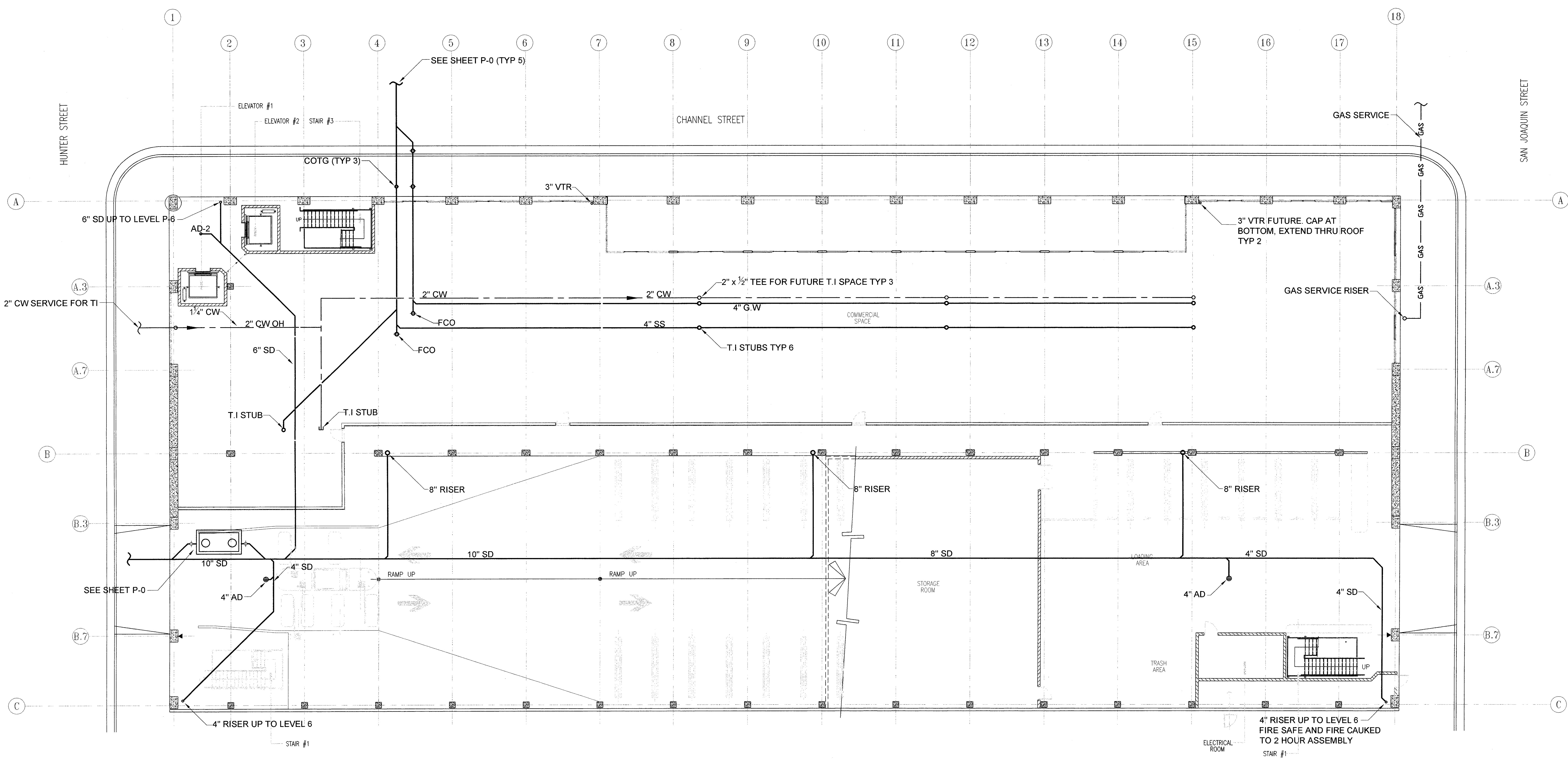
PERMIT SET	

SHEET TITLE
LEVEL P-1
PLUMBING PLAN

DATE	SCALE
24, MARCH 2005	3/8" = 1'-0"
DRAWN BY	CHECKED BY
HQDS	
DRAWING NO.	SHEET
PROGRAM NO.	R.NO.

DRAWING NO.
P-1

PROJECT NO.
 H N A 2319



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true north plan north
P-1 LEVEL P-1 PLUMBING PLAN
 SCALE: 3/8" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
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CONST. DOCUMENTS

REVISIONS:

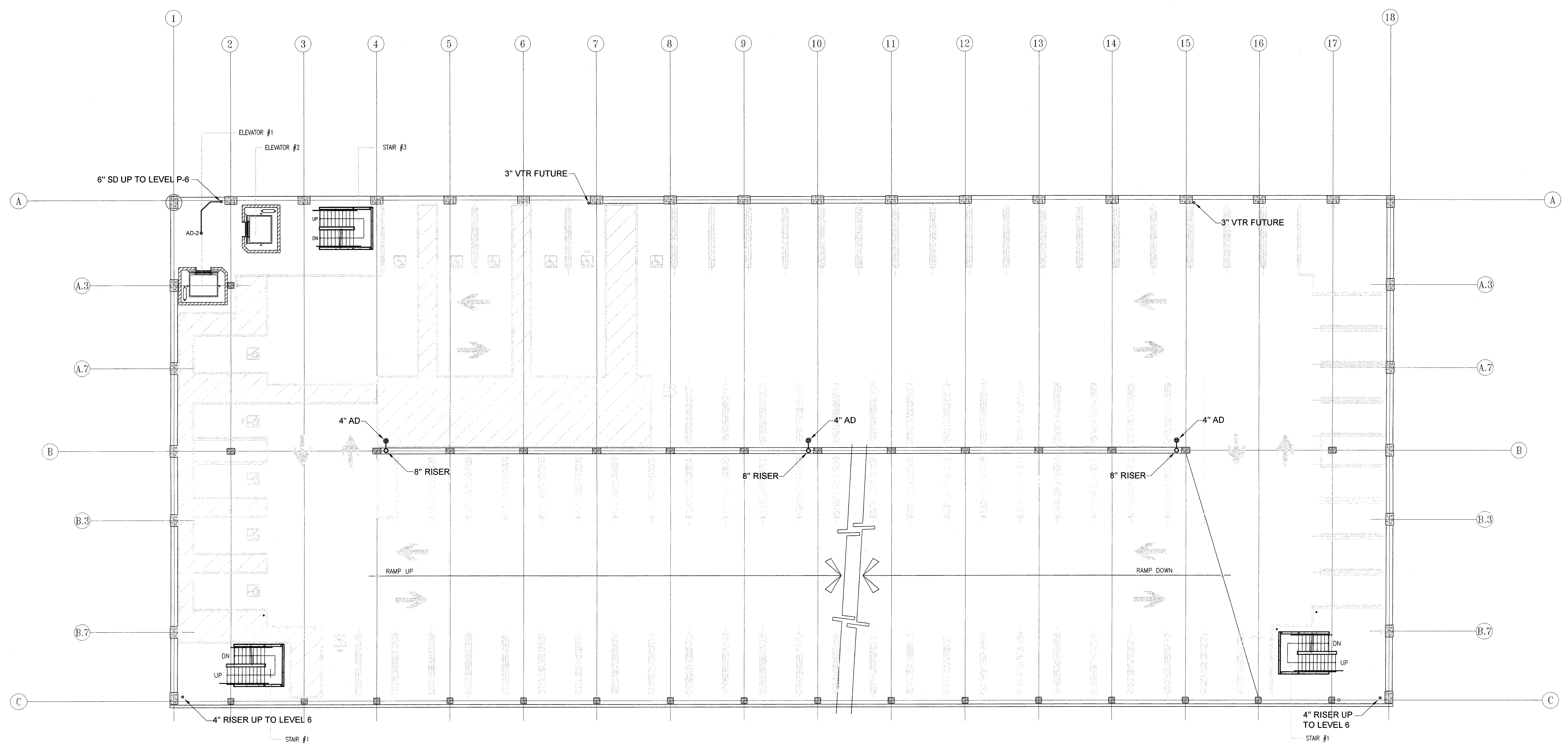
PERMIT SET	

SHEET TITLE
LEVEL P-2 PLUMBING PLAN

DATE 24, MARCH 2005	SCALE 3/32" = 1'-0"
DRAWN BY HODS	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	FIG.

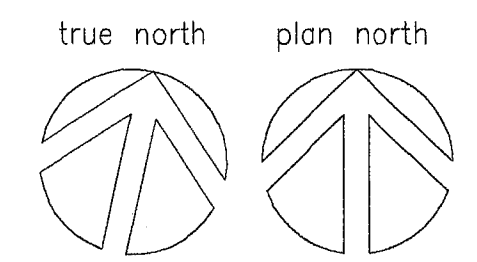
DRAWING NO.
P-2

PROJECT NO.
 H N A 2319



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 Herb O...
 3/24/05

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P-2 LEVEL P-2 PLUMBING PLAN
 SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
 STOCKTON, CALIFORNIA

OWNER:
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REVISIONS:

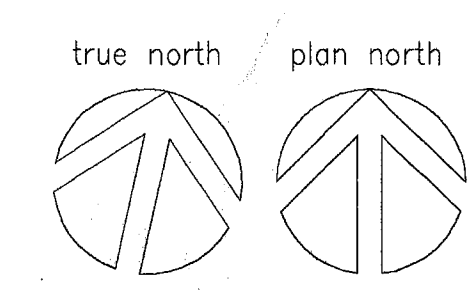
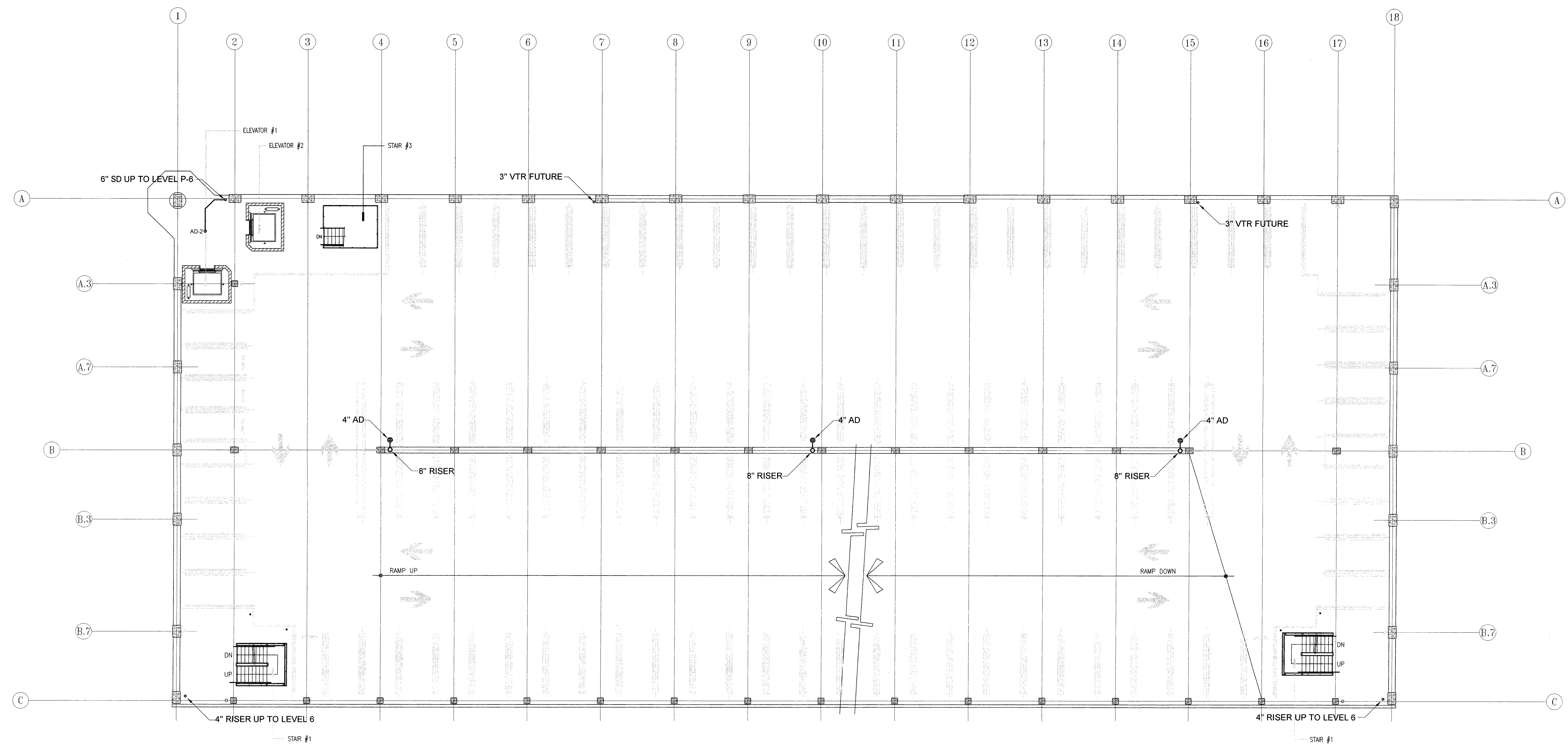
PERMIT SET	

SHEET TITLE
LEVEL P-3 - P-5
(LEVEL 3 THRU 5)
PLUMBING PLAN

DATE	SCALE
24 MARCH 2005	3/8" = 1'-0"
DRAWN BY	CHECKED BY
HQDS	
DRAWING NO.	SHEET
PROGRAM NO.	R.N.O.

DRAWING NO.
P-3

PROJECT NO.
 H N A 2319



P-3 LEVEL P-3 THRU P-5 PLUMBING PLAN
 SCALE: 3/8" = 1'-0"

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 Herb Quigg
 3/24/05

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EDMUND S. 'ED' COY
PARKING STRUCTURE
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 209. 466. 3691

Vertical Designer - Distributor
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CONST. DOCUMENTS

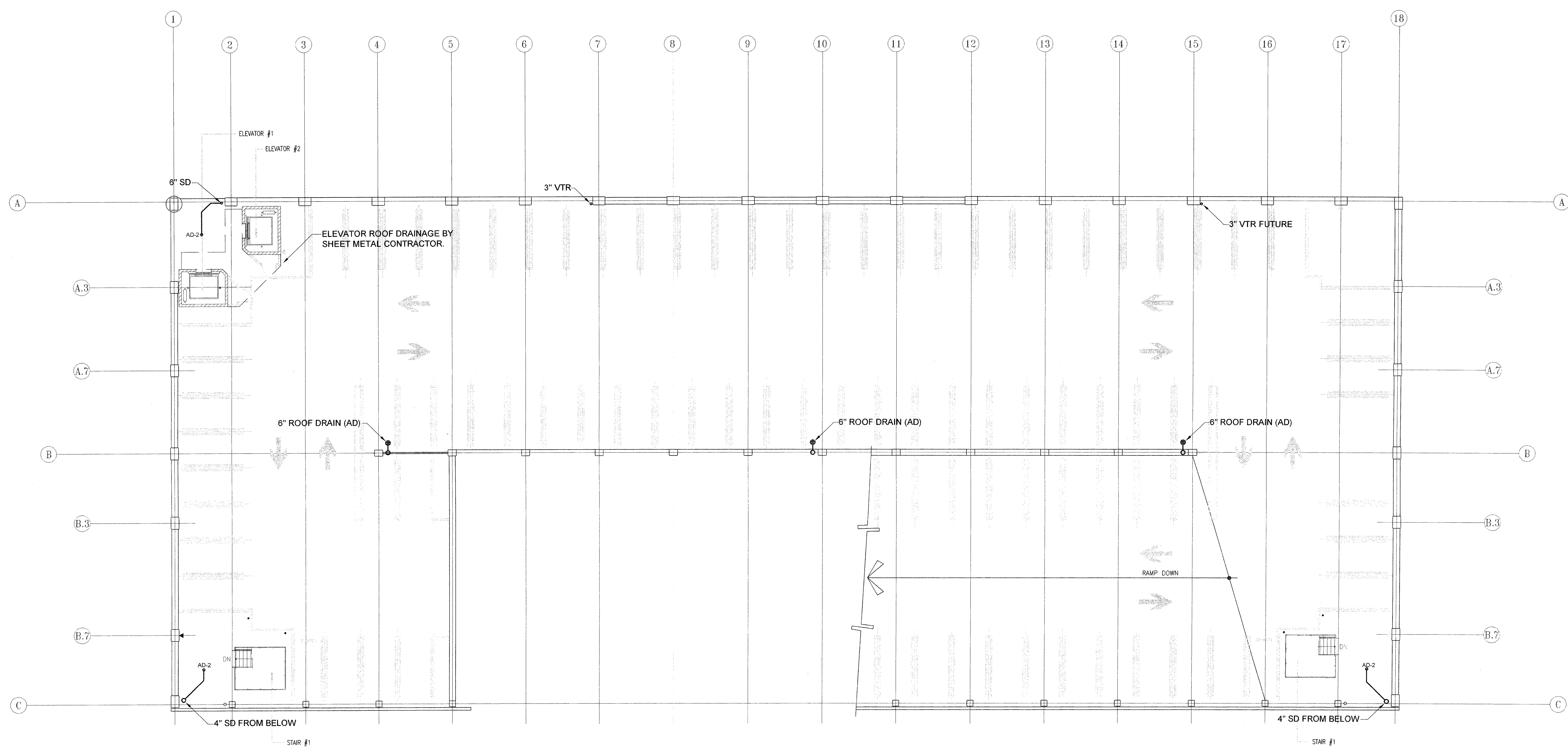
REVISIONS:
PERMIT SET

SHEET TITLE
LEVEL P-6 PLUMBING PLAN

DATE	SCALE
24, MARCH 2005	3/8" = 1'-0"
DRAWN BY	CHECKED BY
HQDS	
DRAWING NO.	SHEET
PROGRAM NO.	RAN.

DRAWING NO:
P-4

PROJECT NO:
 H N A 2319



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true north plan north

P-4 LEVEL P-6 PLUMBING PLAN
 SCALE: 3/8" = 1'-0"

NOTES:
 GARAGE VENTILATION-CALIFORNIA BUILDING CODE SECTION 1202.2.7 ALTERNATE METHOD
 1. GARAGE EXHAUST AREA P-1 = 31 VEHICLES
 VENTILATION RATE = NO. OF CARS X 2.5% X 14,000 CFM (14,000 MIN.)
 31 CARS X 0.025 X 14,000 = 10,850 CFM
 USE AND EXHAUST SYSTEM W/CAPACITY OF 10,850 CFM
 2. GARAGE EXHAUST AREA II
 VENTILATION RATE = NO. OF CARS X 2.5% X 14,000 CFM (14,000 MIN.)
 9 CARS X 0.025 X 14,000 = 3,150 CFM
 USE AN EXHAUST SYSTEM W/CAPACITY OF 3,150

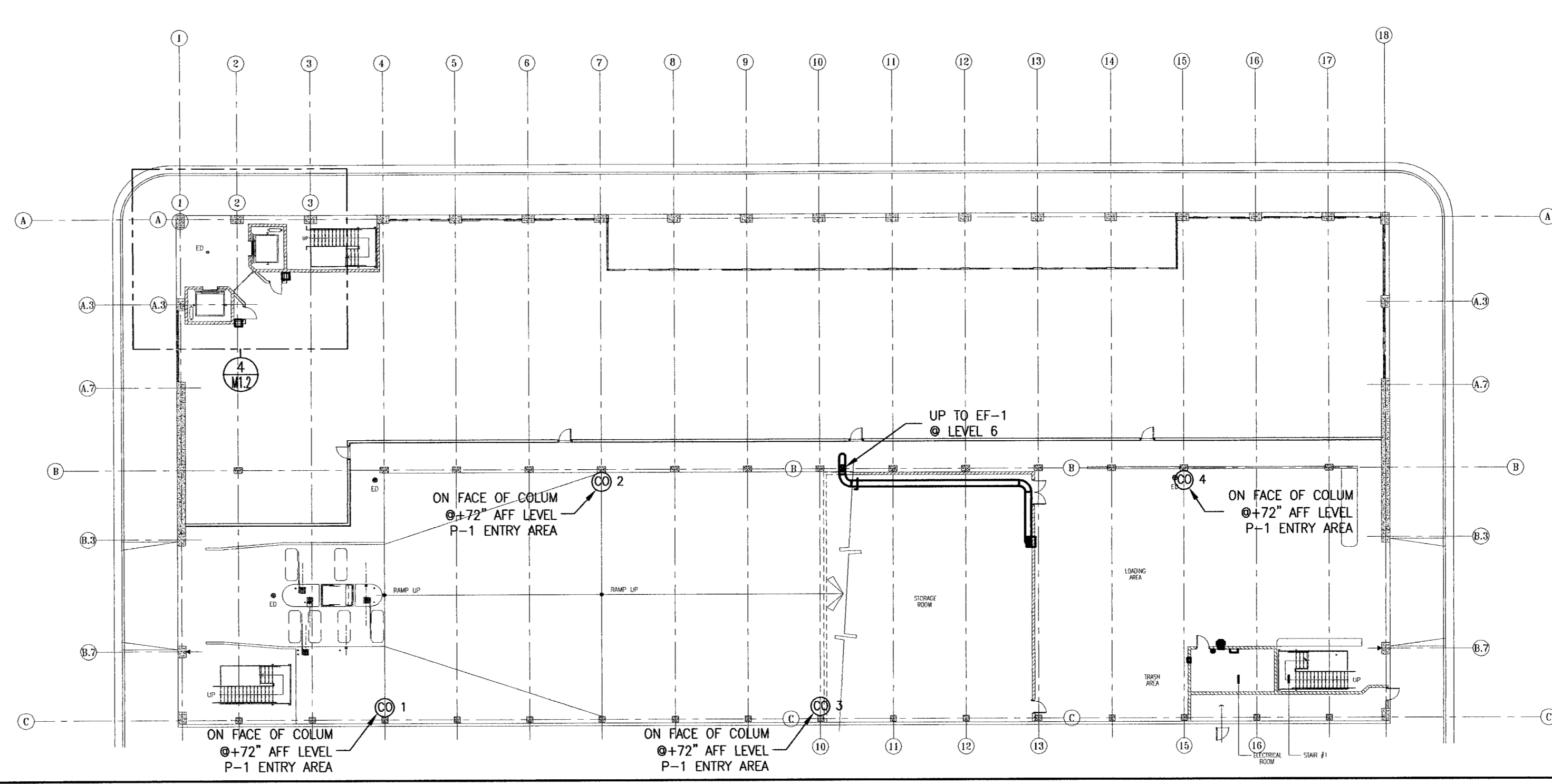
CARBON MONOXIDE MONITORING CONTROL SYSTEM-
 SINGLE FAN CONTROL ZONE / ONE SENSOR. A SYSTEM FOR PUBLIC PARKING AREA I AND A SYSTEM FOR PRIVATE PARKING AREA II WILL BE REQUIRED.
 BOTH SYSTEMS WILL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. TO COMPLY WITH 2001 UNIFORM BUILDING CODE 1202.2.7

EXHAUST FAN SCHEDULE							
MARK	MAKE MODEL	DESC.	CAPACITY CFM	ELECTRICAL CHARACTERISTICS	ACCESSORIES CONTROLS	DP W/	
EF-1	GREENHECK CUBE-420-50	ROOF EX. FAN	14000	125 1725/17.0	5HP 460/3/60	DISCONNECT @ (1)	578#
EF-2	PENN WFX10RL	WALL EX. FAN	150	0.5 1281/5.0	1/2HP 115/1/60	LINE VOLTAGE T-STAT WIRED BY G.C.	32#

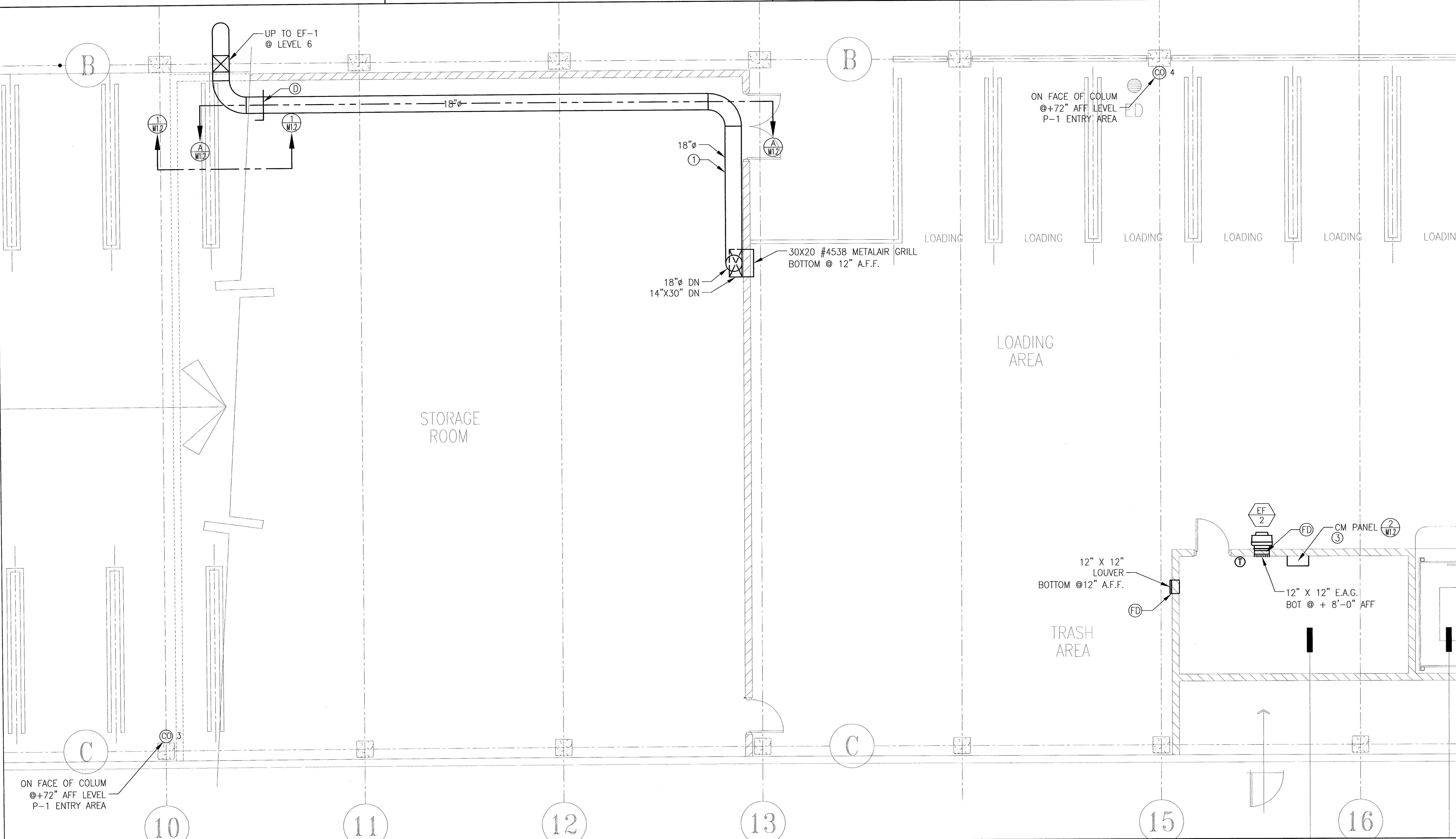
AC UNIT AND FAN SCHEDULE							
MARK	MAKE MODEL	DESC.	CAPACITY CFM	CIRCUIT BREAKER	ELECTRICAL CHARACTERISTICS	ACCESSORIES CONTROLS	DP W/
AC-1	FRIEDRICH XG10L10	SIDE WALL ROOM AC	180	10 115 9	125V - 15A	FRAMED OPENING 20"WIDE X 14 3/4"HIGH	76#
AC-2	FRIEDRICH XG10L10	SIDE WALL ROOM AC	180	10 115 9	125V - 15A	FRAMED OPENING 20"WIDE X 14 3/4"HIGH	76#

- (1) 24 GA. GI SPIRAL PIPE
- (2) STARTER TO BE FURNISHED BY ELECTRICAL CONTRACTOR
- (3) DVP-12, CO SENSOR PANEL, SEE DETAIL. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL REQUIRED CONDUIT-MECHANICAL CONTRACTOR TO FURNISH CONTROL WIRE
- (4) FAN MOTOR TO BE OUT OF THE AIR STREAM. THE FAN WHEEL & HOUSING SHALL BE OF ALL ALUMINUM AND BE (SPARK PROOF) CONSTRUCTION. PER UMC-503.1, 503.2.
- (CO) CARBON MONOXIDE SENSORS
- (1) LINE VOLTAGE THERMOSTAT 120 VAL (COOLING)
- (FD) 2 HR FIRE DAMPER
- (M) MVD MANUAL VOLUME DAMPER

CARBON MONOXIDE MONITORING AND FAN CONTROL SYSTEM SINGLE FAN CONTROL ZONE/MULTI-SENSOR:
 ENMET CANADA GAS-ALERT SERIES DETECTION SYSTEM, OR APPROVED EQUAL, SHALL BE CAPABLE OF SINGLE ZONE FAN CONTROL WITH AS MANY AS 20 SENSOR STATIONS, AND SUITABLE FOR ONE-MAN CALIBRATION. ALL SENSORS SHALL BE CONNECTED IN A PARALLEL "CHAIN" USING 16 GAUGE, 3 WIRE CABLE TO MINIMIZE CONTROL WIRING AND CONDUIT AND BE LOCATED AS SHOWN IN THE DRAWINGS.
 SENSORS SHALL BE PRE-CALIBRATED, LOW VOLTAGE, ELECTROCHEMICAL TYPE WITH A MINIMUM 3 YEAR SENSOR LIFE. EACH REMOTE SENSOR TO FEATURE LOCAL LED INDICATORS FOR HIGH AND LOW ALARM, POWER "ON", AND SENSOR FAULT.
 CENTRAL CONTROL PANEL SHALL CONTAIN ZONE LED INDICATORS FOR HIGH AND LOW ALARM, POWER "ON", SENSOR FAULT AND WIRE BREAK. SYSTEM SHALL "FAIL SAFE" AND ACTIVATE VENTILATION EQUIPMENT AND PANEL MOUNTED AUDIBLE ALARM. ZONE CARD SHALL CONTAIN 10 AMP DPDT ADJUSTABLE TIME DELAY RELAYS FOR BOTH HIGH AND LOW ALARM.
 SYSTEM SHALL HAVE SENSOR FAULT INDICATION AT EACH SENSOR AND THE MAIN CONTROL PANEL. A SEPARATE RELAY SHALL BE PROVIDED FOR INTERLOCKING AN OPTIONAL REMOTE SENSOR FAULT ALARM. POWER SUPPLY TO BE 115 VAC/60 HZ WITH OPTIONAL 24 VDC.
 ON SENSING A CO LEVEL ABOVE 35 (OR 50) PPM AT ANY OF THE REMOTE SENSORS IN A ZONE, THE CORRESPONDING CONTROL RELAY SHALL ACTIVATE THE APPROPRIATE LOW ALARM TIME DELAY RELAY. THE RELAY SHALL OPERATE FOR A FIELD-ADJUSTABLE, AUTO-RESETTING DELAY (TO PREVENT FAN CYCLING) THEN CLOSE TO AGIVATE VENTILATION EQUIPMENT. ON FURTHER RISE IN THE CO LEVEL ABOVE 100 (OR 150) PPM THE APPROPRIATE HIGH ALARM TIME DELAY RELAY WILL BE ACTIVATED, AND AN AUDIBLE ALARM SHALL SOUND AFTER A FIELD-ADJUSTABLE, AUTO-RESETTING, TIME DELAY (TO PREVENT NUISANCE ALARMS).
 SYSTEM SHALL OPERATE FROM SENSOR/CONTROLLER OUTPUT TO PROVIDE RELAY CLOSURES TO CONTROL EXHAUST FAN AS REQUIRED.
 A CALIBRATION KIT COMPRISED OF DISPOSABLE GAS CYLINDERS, REGULATOR, CALIBRATION ADAPTER, AND ACCESSORY CARRYING CASE SHALL BE PROVIDED WITH SUFFICIENT CALIBRATION GAS FOR STARTUP AND 1 YEAR OPERATION OF THE SYSTEM.



M-1.1 HVAC LEVEL P-1 OVERALL PLAN VIEW
 SCALE: NTS



M-1.1 HVAC LEVEL P-1 MECHANICAL FLOOR PLAN
 SCALE: 1/4" = 1'-0"

CITY OF STOCKTON
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CONST. DOCUMENTS

- REVISIONS:
- △ REVISED PER PLAN CHECK 3/10/05
 - △ REVISED PER PLAN CHECK 5/18/05

SHEET TITLE
 HVAC MECHANICAL FLOOR PLAN

DATE	SCALE
15, JUNE 2005	AS NOTED
DRAWN BY	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.
DRAWING NO.	

DRAWING NO. M-1.1
 PROJECT NO. HNA 2319

Comfort Air, Inc.
 MECHANICAL CONTRACTORS
 1607 TURNPIKE ROAD, P.O. BOX 1254 - STOCKTON, CALIFORNIA 95201
 (209) 466-4601 FAX (209) 466-4602
 LICENSE # 12542
 SIGNATURE: [Signature] DATE: 6/15/05
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CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

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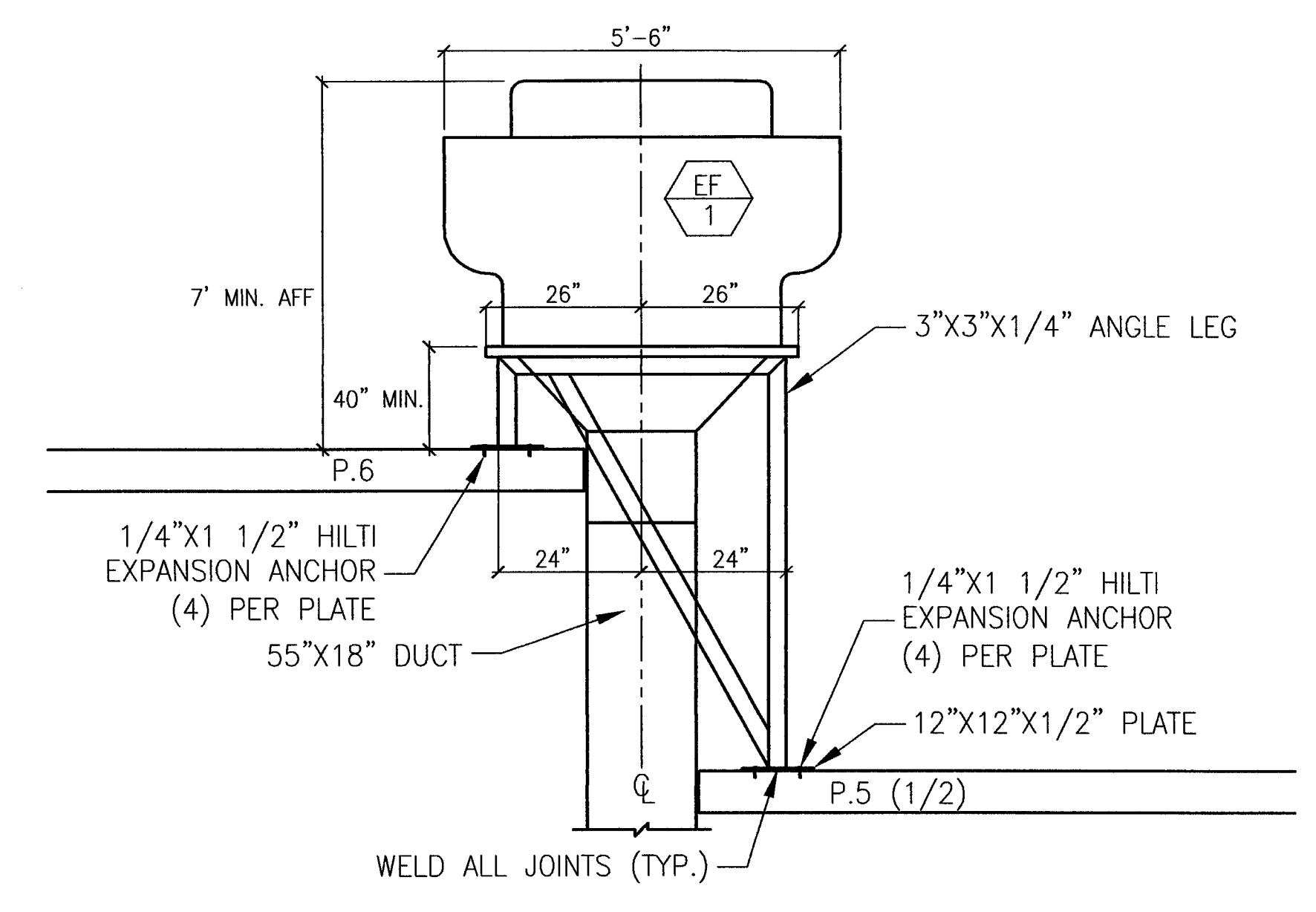
CONST. DOCUMENTS

REVISIONS:
△ REVISED PER PLAN CHECK 3/10/05
REVISED PER PLAN CHECK 5/18/05

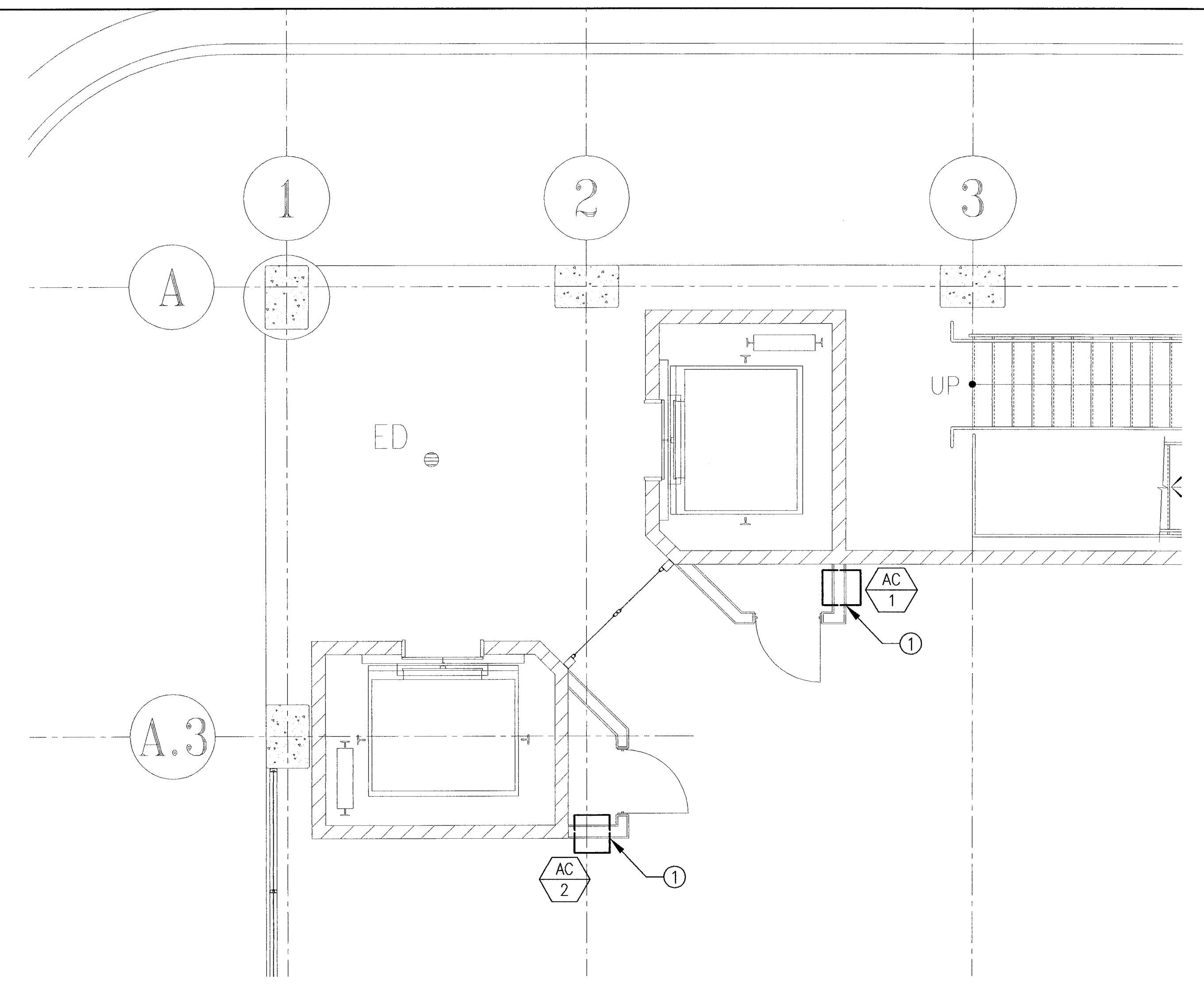
SHEET TITLE
HVAC DETAILS

DATE	SCALE
15, JUNE 2005	AS NOTED
DRAWN BY	CHECKED BY
DRAWING NO.	SHEET
PROGRAM NO.	R-NO.

DRAWING NO.
M-1.2
PROJECT NO.
H N A 2319

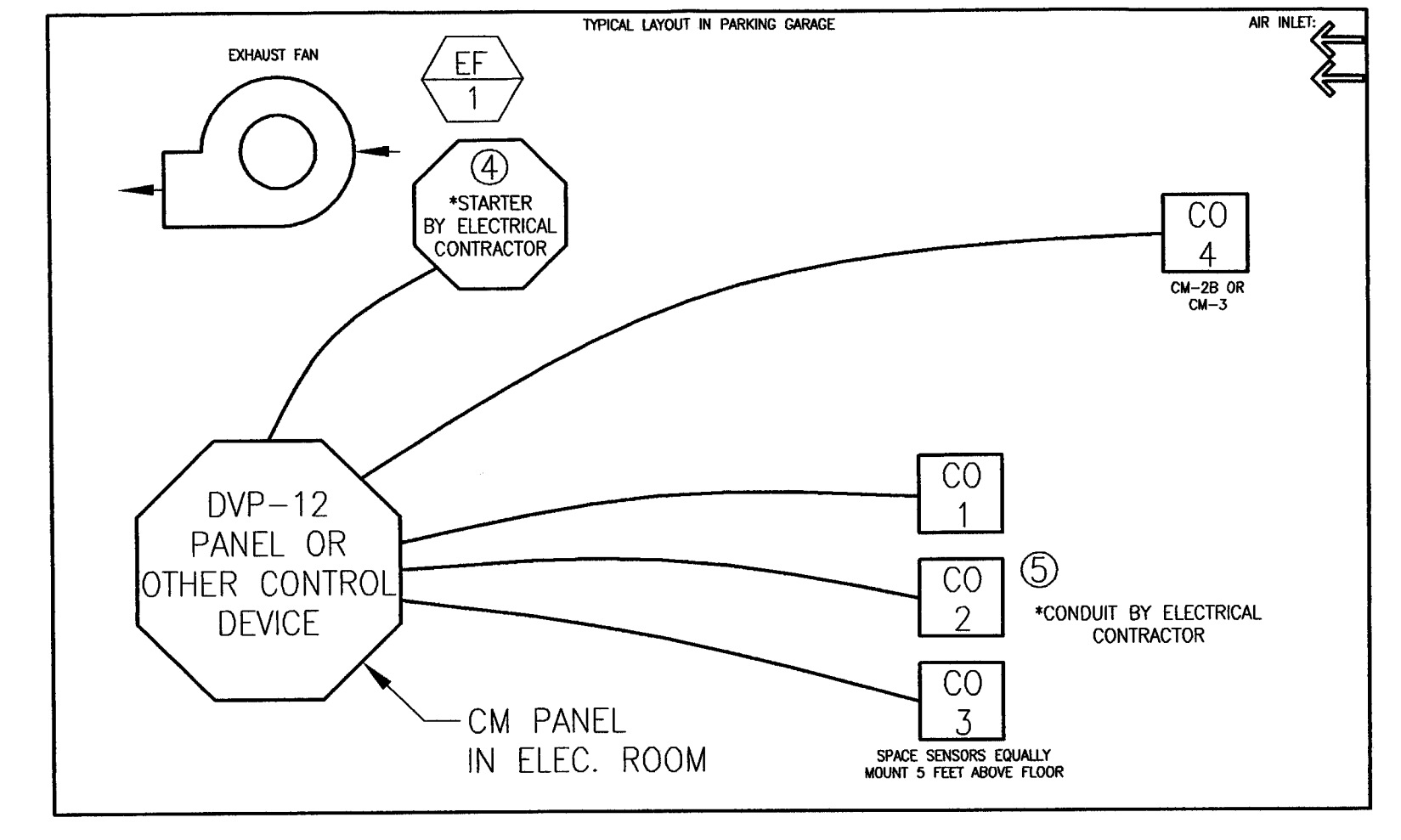


3 FAN SUPPORT LEVEL P-5&6
SCALE: 1/2" = 1'-0"

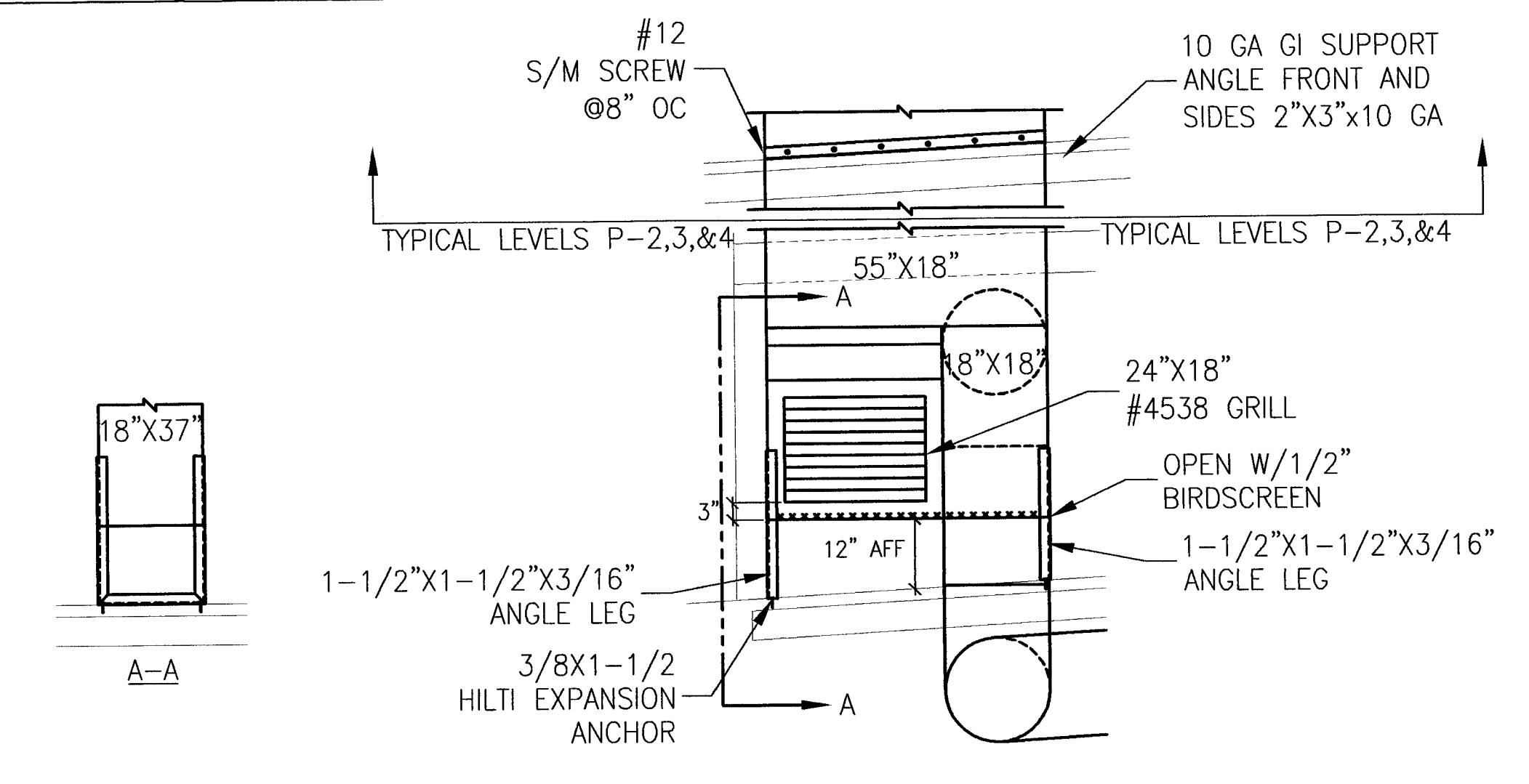


① FRAMED OPENING
20" WIDE X 14 3/4" HIGH

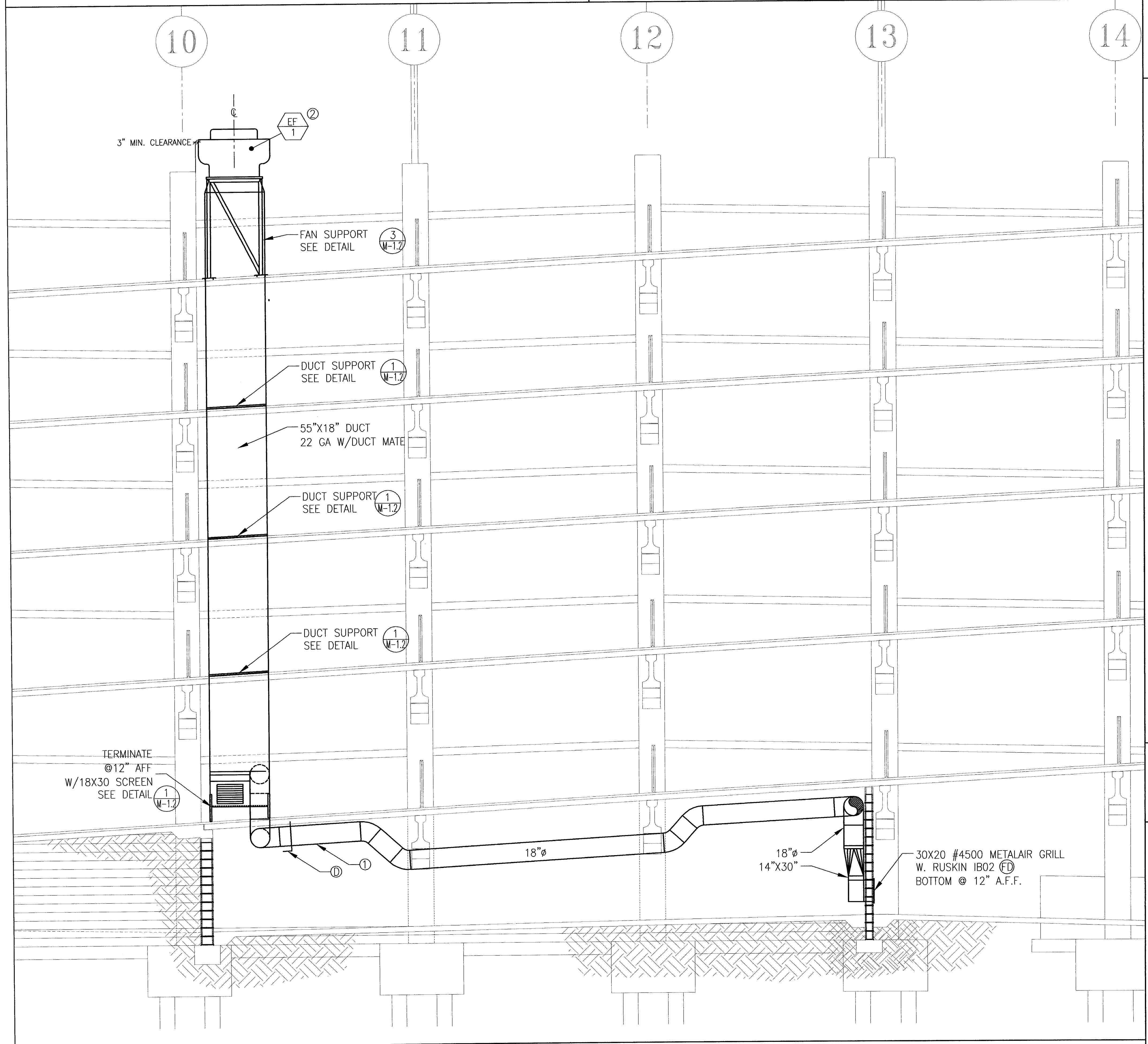
4 ELEVATOR CONTROL ROOM LEVEL P-6
SCALE: 1/4" = 1'-0"



2 CARBON MONOXIDE SENSOR SCHEMATIC
SCALE: NTS



1 EXHAUST INTAKE LEVEL P-1
SCALE: NTS



A HVAC ELEVATION PLAN
SCALE: 1/4" = 1'-0"

Comfort Air, Inc.
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PHONE (209) 466-4601 FAX (209) 466-2438
E-MAIL: info@comfortair.com
DATE: 6/15/05
SIGNATURE: [Signature] DATE: 6/15/05
CHECKED BY: [Signature] DATE: 6/15/05
SCALE: 1/4" = 1'-0"

ELECTRICAL SYMBOLS

Table of electrical symbols including surface or pendant mounted fixture and outlet, wall mounted fixture and outlet, ceiling recess mounted fixture and outlet, fluorescent fixture, and various switches and sensors.

Table of electrical symbols including circuit breaker, current transformer, watt/hour meter, neutral link, transformer, motor generator, copper weld ground rod, ground connection, bare copper ground cable, and various raceways and conduits.

ABBREVIATIONS

Table of abbreviations for electrical components such as amperes, air conditioner, alternate current, ampere frame, above finished floor, and various electrical equipment.

GENERAL NOTES

- List of general notes including: THESE DOCUMENTS ARE THE SOLE INTELLECTUAL PROPERTY OF COLLINS ELECTRICAL CO., INC. AND ARE PROTECTED AS TRADE SECRETS AND BY COPYRIGHT LAW.



DRAWING INDEX

Table with two columns: drawing number and description, listing items like COVER SHEET, PANEL/FIXTURE SCHEDULE, DETAIL SHEET, and various power & lighting levels.

CITY OF STOCKTON EDMUND S. 'ED' COY PARKING STRUCTURE

OWNER: City of Stockton

DESIGN BUILDER: F&H Construction

CONSULTANTS: Architect - Parking Consultant HNA / Pacific, Design Architect Wagoner Mathis Bowe, Structural Engineer Jessen-Wright Structural Engineers

Electrical Engineer Siegfried Engineering, Inc.

Plumbing Designer - Designer/Builder HRM Plumbing

Electrical Designer - Designer/Builder Collins Electrical Co. Inc.

Mechanical Designer - Designer/Builder Comfort Air

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CONST. DOCUMENTS

Table of revisions with columns for revision number, description, and date.

Professional Engineer seal for Deborah Schaefer, E17331, State of California.

COVER SHEET

Table with project information including date (16-06-05), scale (NTS), drawing number (E01), and program number (HNA 2319).

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209. 931. 3738

CONSULTANTS:
Architect - Parking Consultant
HNA / Pacific
6115 Serrano Avenue
Stockton, California 95207
310. 544. 8670
Design Architect
Wenell Mathies Bowe
246 E. Main Street
Stockton, California 95202
209. 944. 9110
Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Chicago, California 95226
530. 894. 5345

Civil Engineer
Siegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209. 943. 2021

Plumbing Designer - Designer/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

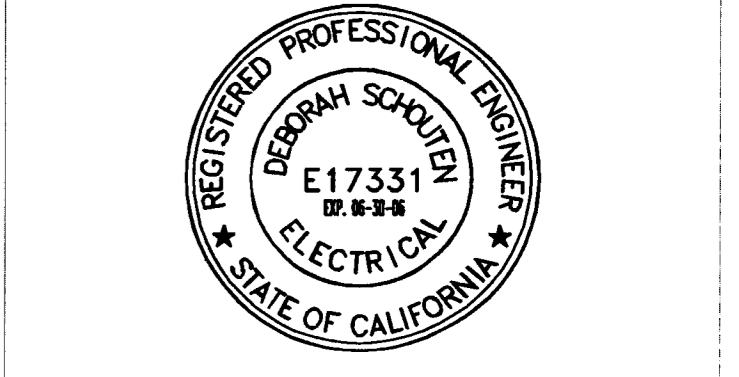
Electrical Designer - Designer/Builder
Collins Electrical Co. Inc.
611 W. Fremont Street
Stockton, California 95203
209. 466. 3691

Mechanical Designer - Designer/Builder
Comfort Air
2507 Turnpike Road
Stockton, California 95201
209. 466. 4601

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CONST. DOCUMENTS

REVISIONS:	DATE
PLAN CHECK	11-29-04
ENGR REVISIONS	01-12-05
SECURITY UPGRADE	01-28-05
PLAN CHECK RESUBMITTAL	3-11-05
PLAN CHECK RESUBMITTAL	5-16-05



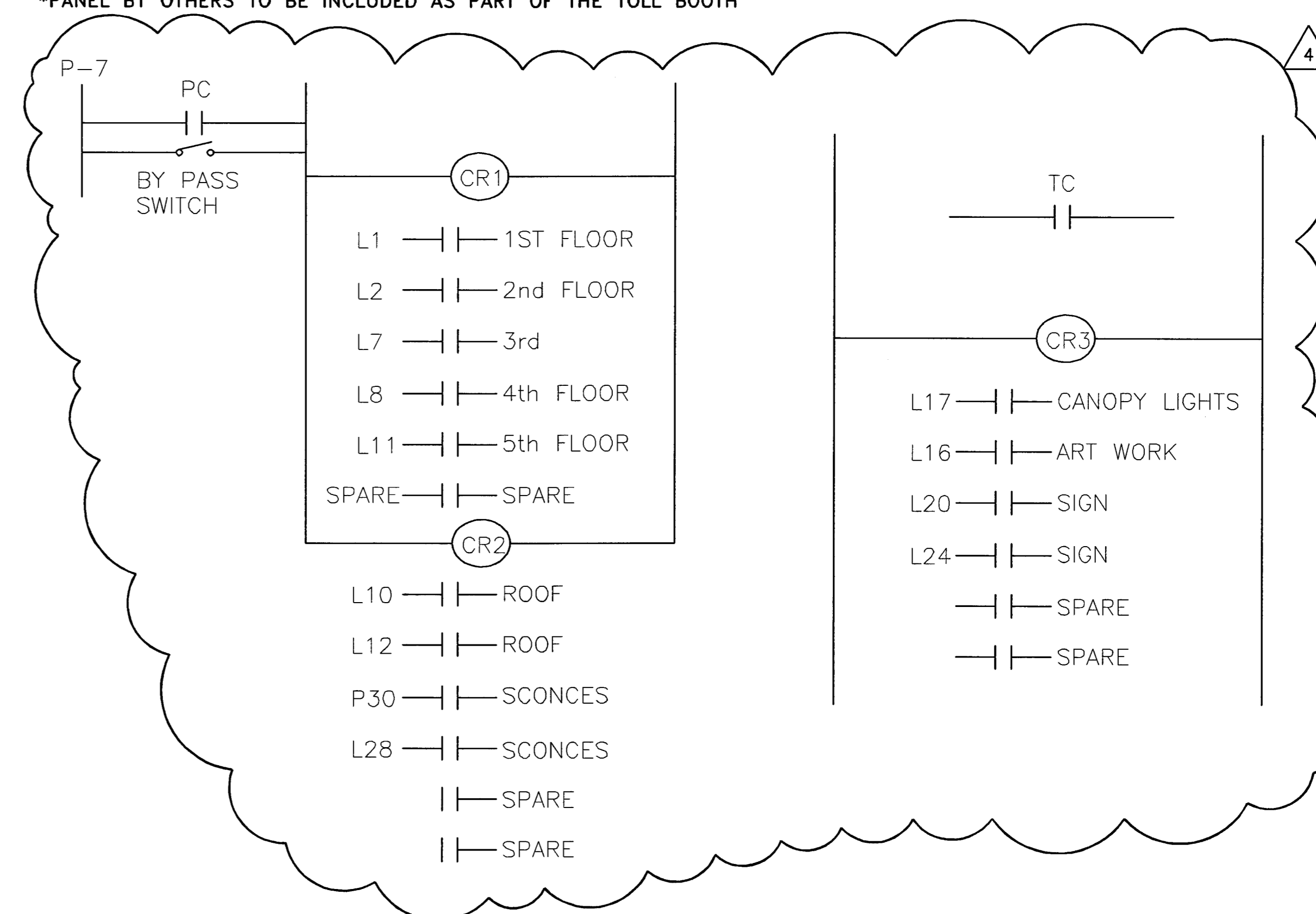
SHEET TITLE
1-LN/PNL&FIXT SCHEDULE

DATE	SCALE
16-6-05	NTS
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
	2 OF 10
PROGRAM NO.	R-NO.
DRAWING NO:	E0.2
PROJECT NO:	HNA 2319

TYPE	SKETCH	DESCRIPTION	FINISH	MFR.	LAMP
A	(X)	PG L4 SURFACE MOUNT 175W, 277V	GRAY	KIM LTG OR EQUIV.	1/25W HID VERTICAL MOUNT
A1	(X)	PG L4 SURFACE MOUNT 100W 277V	GRAY	KIM LTG OR EQUIV.	100W HID VERTICAL MOUNT
B	(X)	1X4 CORNER MOUNT W/EMERG BATTERY PACK 277V	WHT.		2LAMP-32W/TB
C	(X)	ENCLOSED, GASKETED AND PROTECTED FIXTURE, 120V	GRAY		A-100 INCAND.
D	(X)	1X4 VDS ROUGH SURF SURFACE MOUNT, 277V W/EMERG BATTERY PACK	WHT.		2LAMP-32W/TB
E	(X)	1X4 CB COMMERCIAL SURFACE MOUNT GENERAL PURPOSE WRAP AROUND, 277V	WHT.		2LAMP-32W/TB
F	(X)	OUTDOOR EXIT SIGN W/EMERG BATTERY PACK & EMERG LAMPS, 277V UNIVERSAL MOUNT	BLK.		LED W/2-6W HALOGEN LAMPS
G1	(X)	PARKING LOT SINGLE ON 10' W/ HID ROUND STEEL POLE, 277V	GRAY		400W MH
G2	(X)	PARKING LOT TWIN 400W HID ON 30' SQUARE STEEL POLE, 277V	GRAY		400W MH HID VERTICAL MOUNT
G3	(X)	PARKING LOT TRIPLE 400W HID ON 30' ROUND STEEL POLE, 277V	GRAY		400W MH HID VERTICAL MOUNT
H	(X)	1X8 INDUSTRIAL SURFACE MOUNT, 277V	WHT.		4-32W/TB
J	(X)	HUBBEL SURF MOUNT NR1-41348-P	SPEC. FIN.		1-100W MH
K	(X)	REBELLE WALL SCONCE CYL-003-7100-70H			1-70W MH
L	(X)	WHITNEY WALL SCONCE WH27B			1-27W
N	(X)	ELECTRIFIED ART WORK			FBO

BKR SIZE	LOAD NAME	KVA
1) 400	PNL L	157.4
2) 200(F)	(F)	0
3) 100(F)	(F)	0
4) 100(F)	(F)	0
5) 100(F)	(F)	0
6) 100(F)	(F)	0
7) -	-	-
8) -	-	-
9) -	-	-
TOTAL CONNECTED		157.4
*(F) FUTURE AVAILABLE B31 KVA		

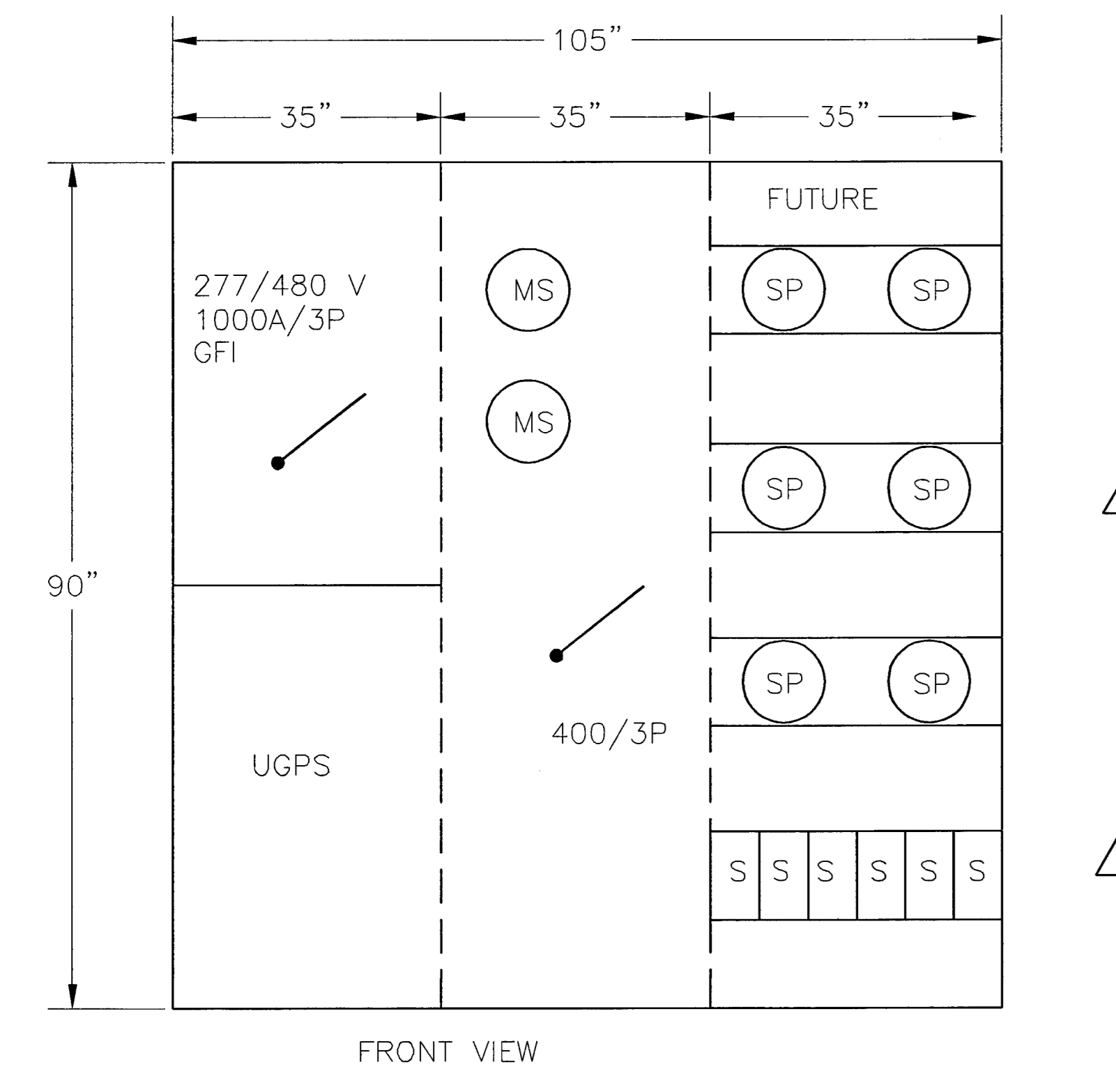
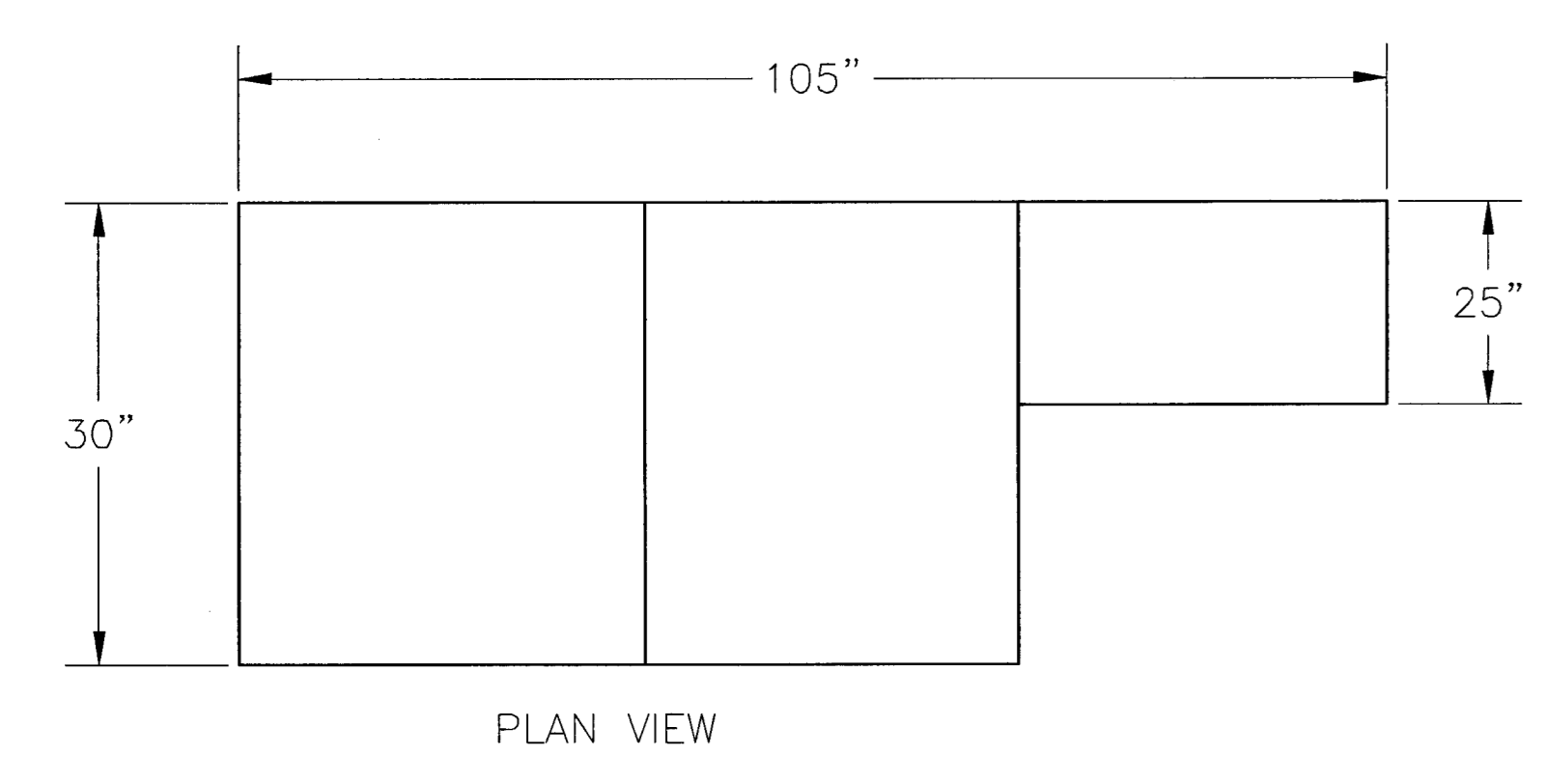
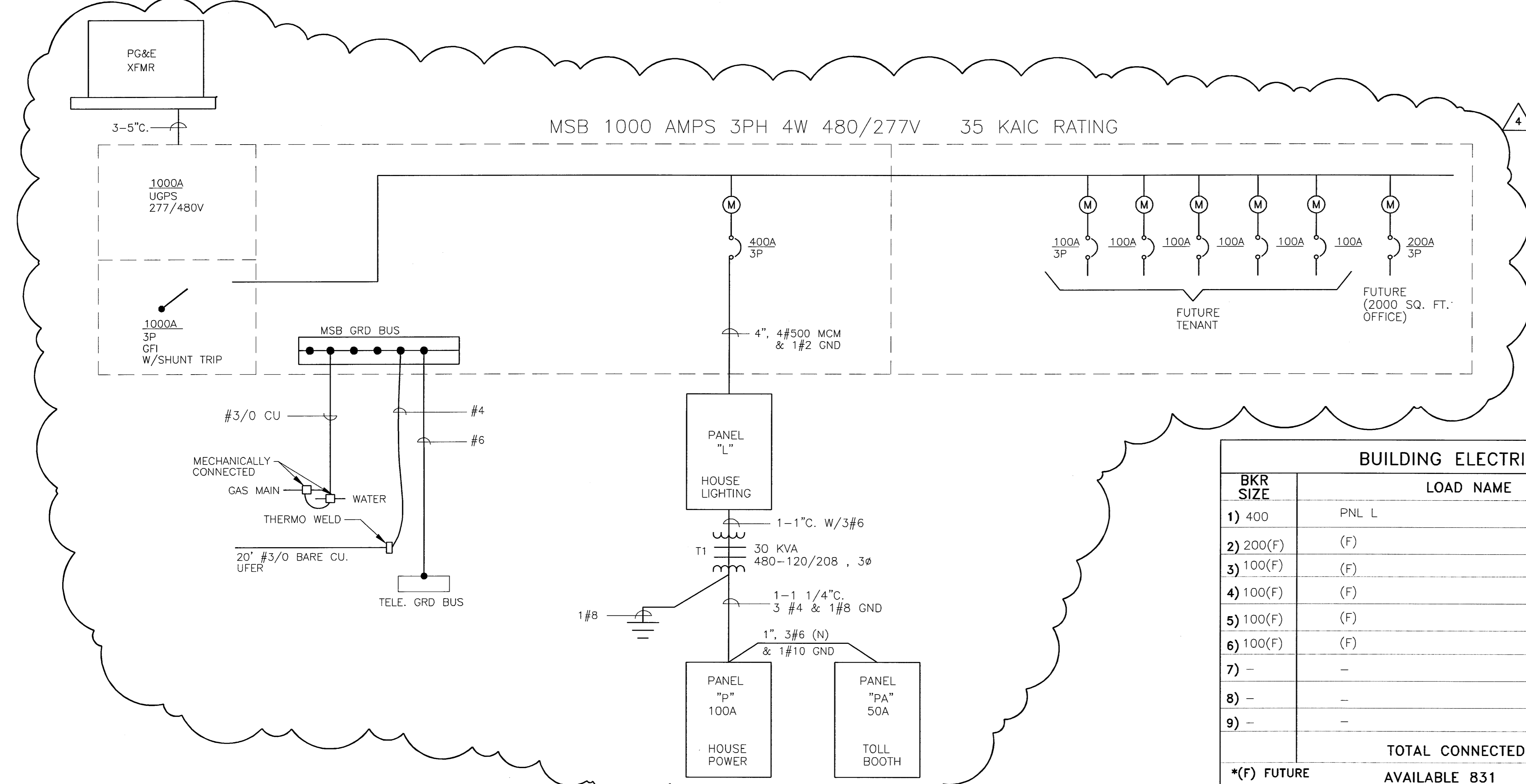
TYPE		A.I.C. RATING		480/277 VOLT,		3 PHASE,		4 WIRE			
MOUNTING SURFACE		PANEL # L		400 A. MAIN BREAKER,		400 A. BUS					
LITG	REC	DESCRIPTION	LOAD-VOLT X AMPS	BKR POLE	PKT. NO.	PHASE	PKT. NO.	LOAD-VOLT X AMPS	DESCRIPTION	LITG	REC
X	X	FIRST FLR 1STFLR/RSTRM/PAYBTH	1.15K	20/1	1	A	2	20/1	2.8K	SECOND FLR	X
X	X	THIRD FLR	3.0K	20/1	7	A	8	20/1	2.8K	FOURTH FLR	X
X	X	FIFTH FLR	2.8K	20/1	9	A	10	20/1	2.8K	SIXTH FLR	X
X	X	FIFTH FLR	2.8K	20/1	11	A	12	20/1	2.8K	SIXTH FLR	X
X	X	SPARE	0	20/1	13	A	14	20/1	.75K	STAIRWELL/EXIT SOUTH	X
X	X	SPARE	0	20/1	15	A	16	20/1	2.0K	ART WORK	X
X	X	CANOPY DOWNLIGHTS	.25K	20/1	17	A	18	20/1	2.0K	STAIRWELL/EXIT SOUTH	X
X	X	SPACE	0	20/1	19	A	20	20/1	2.0K	SIGNAGE (FUTURE)	X
X	X	SPACE	0	20/1	21	A	22	20/1	.90K	STAIRWELL/EXIT NW	X
X	X	SPACE	0	20/1	23	A	24	20/1	2.0K	SIGNAGE (FUTURE)	X
X	X	ELEVATOR #1 SHUNT TRIP	14.4K	90/	25	A	26	20/1	2K	ELECTRICAL ROOM	X
X	X	ELEVATOR #2 SHUNT TRIP	14.4K	90/	31	A	32	50/	10K	T1/P1	X
X	X	SPACE	0	20/1	33	A	34	7/3	10K	30 KVA	X
X	X	SPACE	0	20/1	35	A	36	7/3	10K	480-120/208	X
X	X	SPACE	0	20/1	37	A	38	0	0	SPACE	X
X	X	SPACE	0	20/1	39	A	40	0	0	SPACE	X
X	X	SPACE	0	20/1	41	A	42	0	0	SPACE	X
TOTAL		160.3 KVA	33K 33.8K 34.9K					18.6	20.4	19.8	TOTAL 194 A



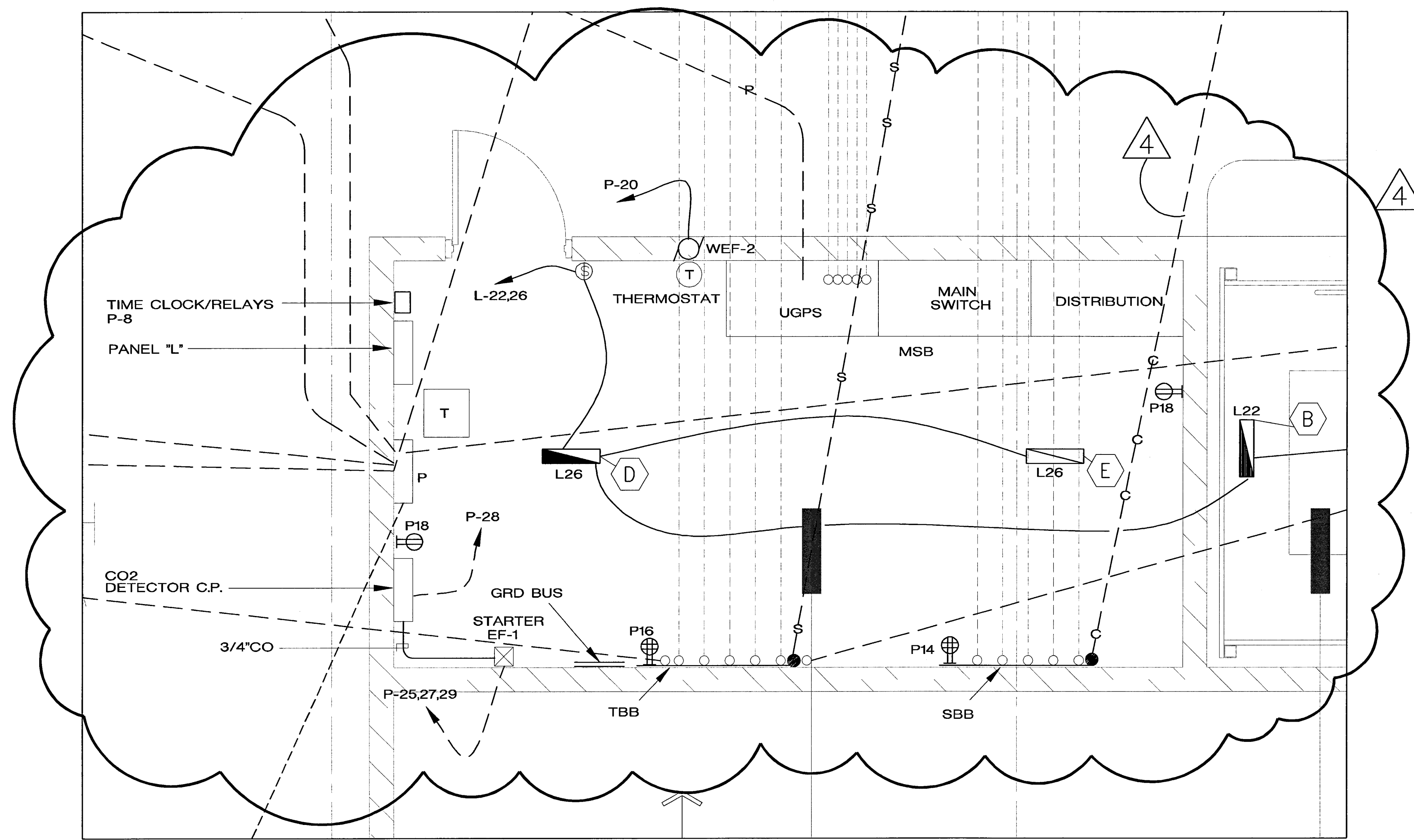
TYPE		A.I.C. RATING		208/120 VOLT,		3 PHASE,		4 WIRE			
MOUNTING SURFACE		PANEL # P		100 A. MAIN BREAKER,		100 A. BUS					
LITG	REC	DESCRIPTION	LOAD-VOLT X AMPS	BKR POLE	PKT. NO.	PHASE	PKT. NO.	LOAD-VOLT X AMPS	DESCRIPTION	LITG	REC
X	X	WEST STAIRWELL FLRS 1-6	1260	20/1	1	A	2	20/1	1260	LOC C-16 FLRS 1-6	X
X	X	M1-ROLL UP DOOR	1000	20/1	3	A	4	20/1	1000	M2-ROLL UP DOOR	X
X	X	LOC B-8-1 FLRS 1-6	1260	20/1	5	A	6	20/1	1260	EAST STAIRWELL FLRS 1-6	X
X	X	PHOTO CELL	0	20/1	7	A	8	20/1	180	TIME CLOCK	X
X	X	ELEVATOR CAR #1 AC	500	20/1	9	A	10	20/1	1200	ELEVMECH RM #1 AC	X
X	X	ELEVATOR CAR #1	360	128	20/1	11	12	20/1	1200	ELEVMECH RM #2 AC	X
X	X	ELEVATOR CAR #2 AC	560	20/1	13	A	14	20/1	360	SBB BACKBOARD	X
X	X	ELEVATOR CAR #2	560	128	20/1	15	16	20/1	360	TBB BACKBOARD	X
X	X	ELEVATOR CAR #2	360	128	20/1	17	18	20/1	720	ELFC/UTILITY RM	X
X	X	ELEVATOR PIT#1	500	20/1	19	A	20	20/1	480	EXHAUST FAN WEF-2	X
X	X	ELEVATOR PIT#1	500	20/1	21	A	22	50/	1850	PANEL PA	X
X	X	ELEVATOR PIT#2	500	20/1	23	A	24	7/2	2110	TOLL BOOTH	X
X	X	EXHAUST FAN WEF-1	1664	20	25	A	26	20/1	900	LOC B-17 FLRS 2-6	X
X	X	SPARE	1664	3	29	A	30	20/1	360	C.O.2 MONITOR	X
X	X	SPARE	1664	3	31	A	32	20/1	700	TYPE "L" SCONCES	X
X	X	SPACE	0	20/1	33	A	34	0	0	SPACE	X
X	X	SPACE	0	20/1	35	A	36	0	0	SPACE	X
X	X	SPACE	0	20/1	37	A	38	0	0	SPACE	X
X	X	SPACE	0	20/1	39	A	40	0	0	SPACE	X
X	X	SPACE	0	20/1	41	A	42	0	0	SPACE	X
TOTAL		25.5 KVA	3644 4224 3680					3180	4770	6010	TOTAL 71 A

TYPE		A.I.C. RATING		10,000 120/208 VOLT,		1 PHASE,		3 WIRE			
MOUNTING SURFACE		PANEL # PA		50 A. MAIN BREAKER,		50 A. BUS					
LITG	REC	DESCRIPTION	LOAD-VOLT X AMPS	BKR POLE	PKT. NO.	PHASE	PKT. NO.	LOAD-VOLT X AMPS	DESCRIPTION	LITG	REC
X	X	TOLL BOOTH MACHINE	750	20/1	1	A	2	20/1	100	TOLL BOOTH LIGHTING	X
X	X	TOLL BOOTH MACHINERY	750	20/1	3	A	4	20/1	360	TOLL BOOTH RECEIPT	X
X	X	SPARE	0	20/1	5	A	6	30/	1000	TOLL BOOTH	X
X	X	LOC B-2 FLRS 2-6	900	20/1	7	A	8	7/2	1000	AC	X
TOTAL		4.9 KVA	750 1650					1100	1360	TOTAL 23.3 A	

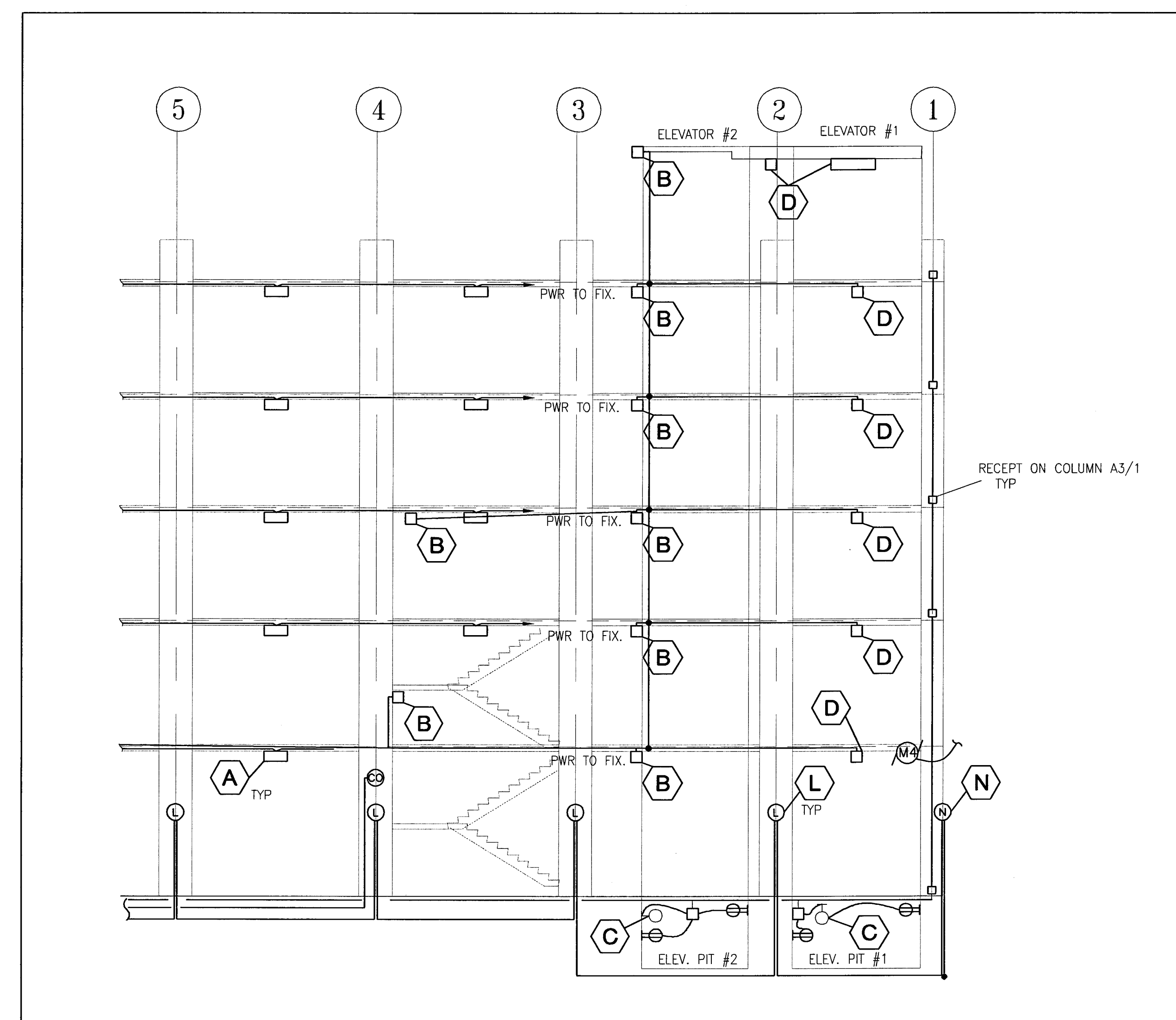
*PANEL BY OTHERS TO BE INCLUDED AS PART OF THE TOLL BOOTH



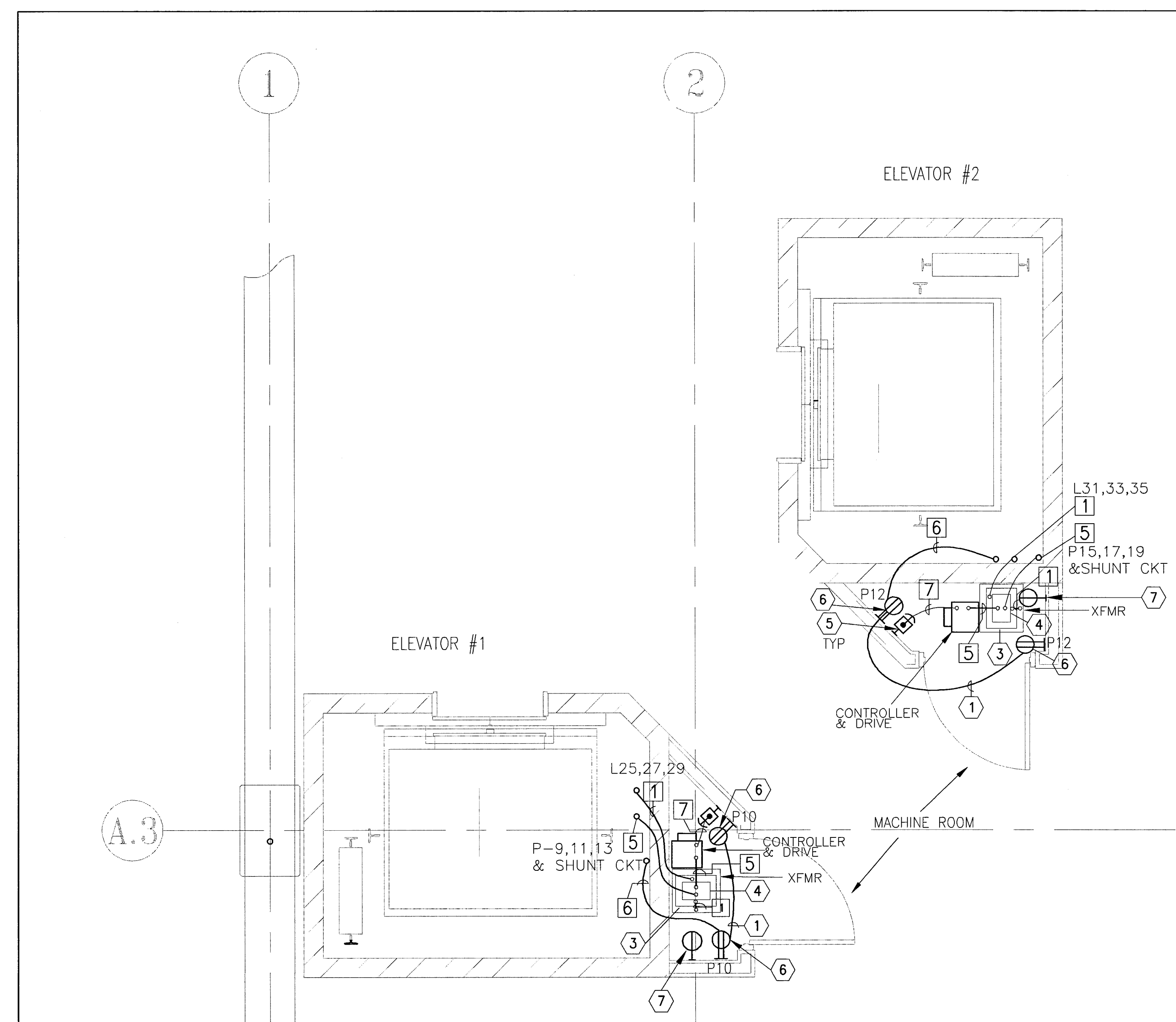
MSB
277/480V 3φ,4W N-1



1 EXPANDED PLAN OF ELECTRICAL ROOM
E1.1 EDMUND S. "ED" COY PARKING STRUCTURE 1/2"=1'0"

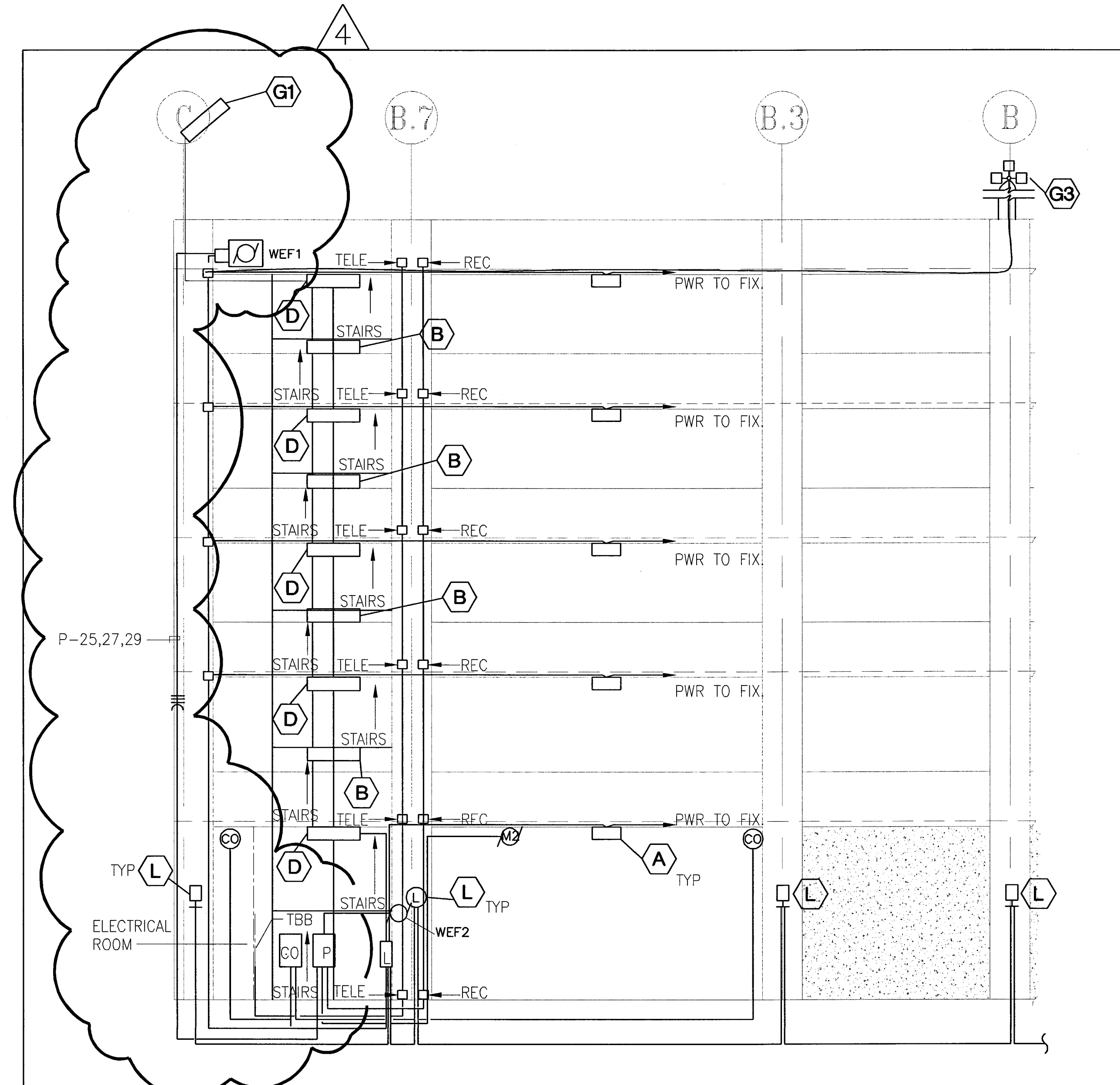


3 NORTH ELEVATION
E-1.1-6 EDMUND S. "ED" COY PARKING STRUCTURE 1/8"=1'-0"



- ELECTRICAL NOTES:**
- 1 PVC COATED 3 CONDUCTOR MC CABEL (H,N,G) #12 IN CONCRETE
 - 2 NOT USED
 - 3 100 AMP 600V 3PH NEMAL HEAVY DUTY FUSED DISCONNECT SWITCH FUSED AT 100 AMPS
 - 4 30 AMP, 250V 3PH NEMAL HEAVY DUTY FUSED DISCONNECT SWITCH, FUSED AT 20 AMPS. CONTROLS 3 CIRCUITS ELEVATOR LIGHTING, RECEPTACLE, AND A/C
 - 5 NOT USED
 - 6 120V RECEPTACLE WP/GFI
 - 7 AC RECEPTACLE
- WIRING NOTES:**
- 1 1/2" C 3#2, 1#8 GRD
 - 2 5 CONDUIT #12 (H,H,H,N,G) MC CABLE
 - 3 3 CONDUIT #12 (H,N,G) MC CABLE
 - 4 4 CONDUIT #12(H,H,N,G) MC CABLE
 - 5 1/2" C 3#12, 1#12(N), 1#12 GND, 2#14(SHUNT CKT)
 - 6 1/2" C 1#12(H), 1#12(N), 1#12 GND
 - 7 NOT USED

2 ELEVATORS 1&2 MACHINE ROOM DETAILS
E1.6 EDMUND S. "ED" COY PARKING STRUCTURE 3/8"=1'-0"



4 EAST ELEVATION
E-1.1-6 EDMUND S. "ED" COY PARKING STRUCTURE 1/8"=1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE
STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
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4945 Waterloo Road
Stockton, California 95215
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Structural Engineer
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530. 894. 5345

CEI Engineer
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Stockton, California 95204
209. 943. 2021

Plumbing Designer - Design/Builder
FRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9660

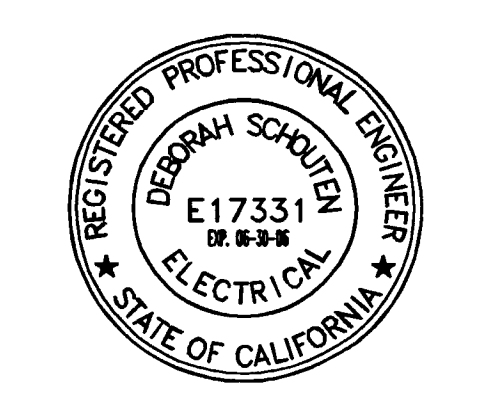
Electrical Designer - Design/Builder
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611 W. Fremont Street
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Mechanical Designer - Design/Builder
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REVISIONS:		
▲ PLAN CHECK	11-29-04	
▲ ENGRS REVISION	02-04-05	
▲ ENGRS REVISION	03-11-04	
▲ ENGRS REVISION	03-05-05	
▲ PLAN CHECK RESUBMITTAL	5-8-05	



SHEET TITLE

ELECTRICAL DETAILS

DATE	16-06-05	SCALE	NTS
DRAWN BY	RMFA	CHECKED BY	DS
DRAWING NO.		SHEET	3 OF 10
PROGRAM NO.		R.NO.	

DRAWING NO. E03
PROJECT NO. H N A 2319

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209.931.3738

CONSULTANTS:
Architect / Parking Consultant
HNA / Pacific
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Rancho Palms Verdes, California 90275
310.544.8670
Design Architect
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246 E. Main Street
Stockton, California 95202
209.944.9110
Structural Engineer
Jessen-Wright Structural Engineers
113 West 8th Avenue, Suite A
Chico, California 95926
530.894.5345

Civil Engineer
Siegfried Engineering, Inc.
4045 Coronado Avenue
Stockton, California 95204
209.943.2021

Plumbing Designer - Design/Builder
HRM Plumbing
3650 Winlock Road
Stockton, California 95215
209.931.9650

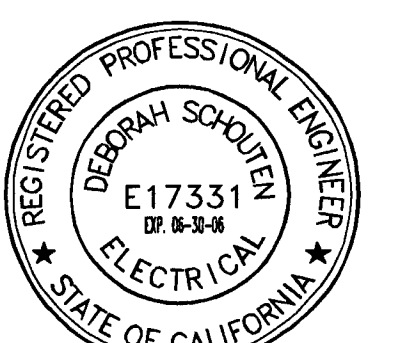
Electrical Designer - Design/Builder
Collins Electrical Co., Inc.
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Stockton, California 95203
209.466.3691

Mechanical Designer - Design/Builder
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CONST. DOCUMENTS

REVISIONS:		
△	PLAN CHECK	11/29/04
△	ENGRS REVISION	01-25-05
△	SECURITY UPGRADE	01-24-05
△	PLAN CHECK RESUBMITTAL	3/1/05
△	PLAN CHECK RESUBMITTAL	5-8-05



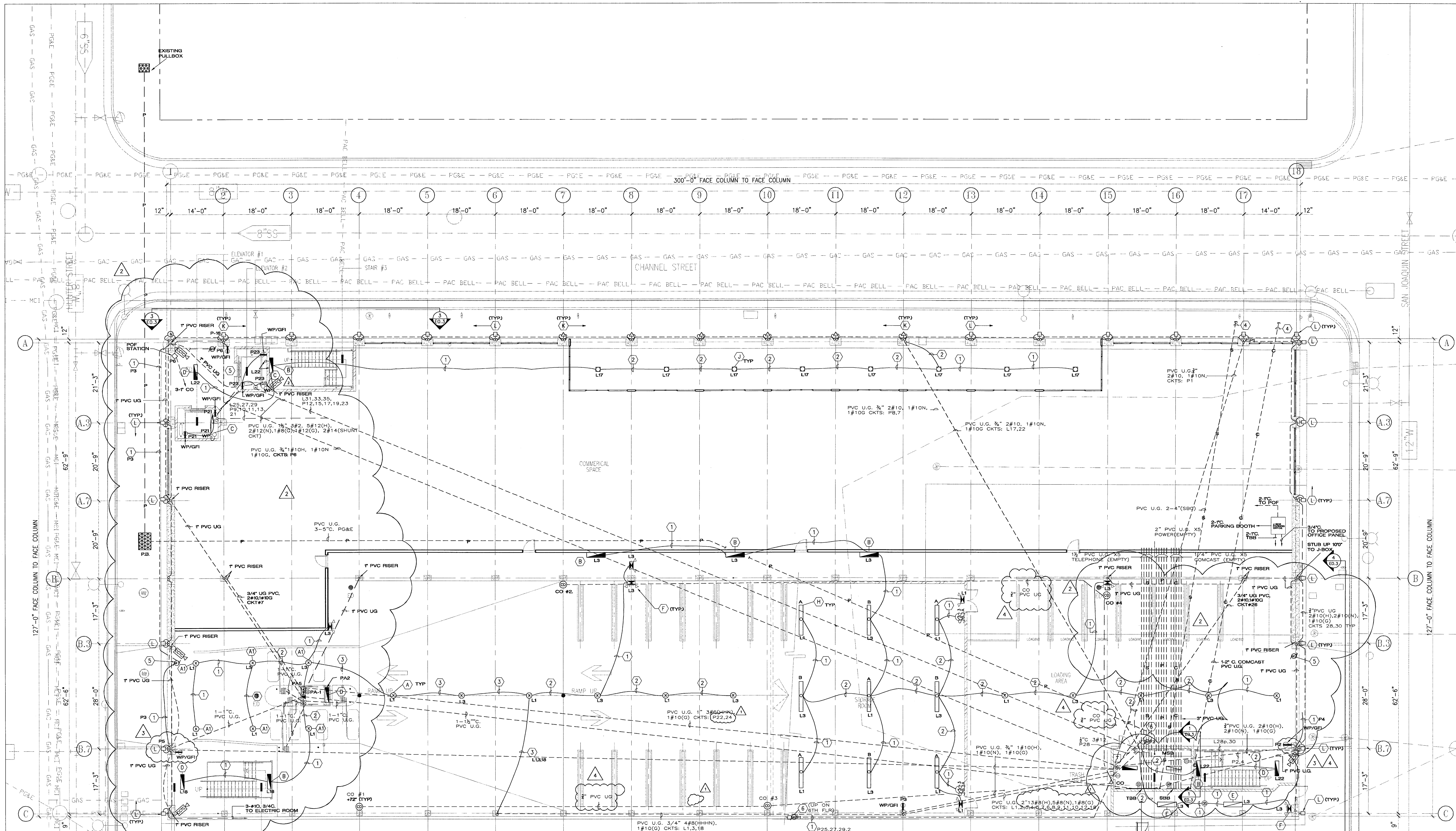
SHEET TITLE

LEVEL P-1
PWR&LIGHTING

DATE	SCALE
29 NOVEMBER 2004	3/32" = 1'-0"
DRAWN BY RMFA	CHECKED BY DS
DRAWING NO. 2319A-2-1	SHEET 5 OF 10
PROGRAM NO.	R.NO.

DRAWING NO:
E11

PROJECT NO:
HNA 2319



- ELECTRICAL NOTES:
- 1 PVC COATED 3 COND. #12 (H) MC CABLE IN CONCRETE SLAB
 - 2 PVC COATED 4 COND. #12 (H) MC CABLE IN CONCRETE SLAB
 - 3 PVC COATED 5 COND. #12 (H) MC CABLE IN CONCRETE SLAB
 - 4 STUB 5' OUTSIDE OF BUILDING
 - 5 MOTOR IN SOFFIT/DECK LEVEL
 - 6 250V 30AMP HEAVY DUTY NEMA 3R 3PH DISCONNECT SWITCH AT ROOF

true north plan north

LEVEL P-1 POWER AND LIGHTING
SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
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CONSULTANTS:
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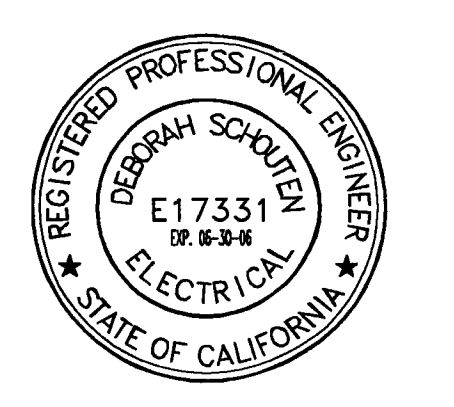
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CONST. DOCUMENTS

REVISIONS:	DATE
△ PLAN CHECK	11-29-04
△ SECURITY UPGRADE	01-26-05
△ SECURITY REVISION	02-10-05



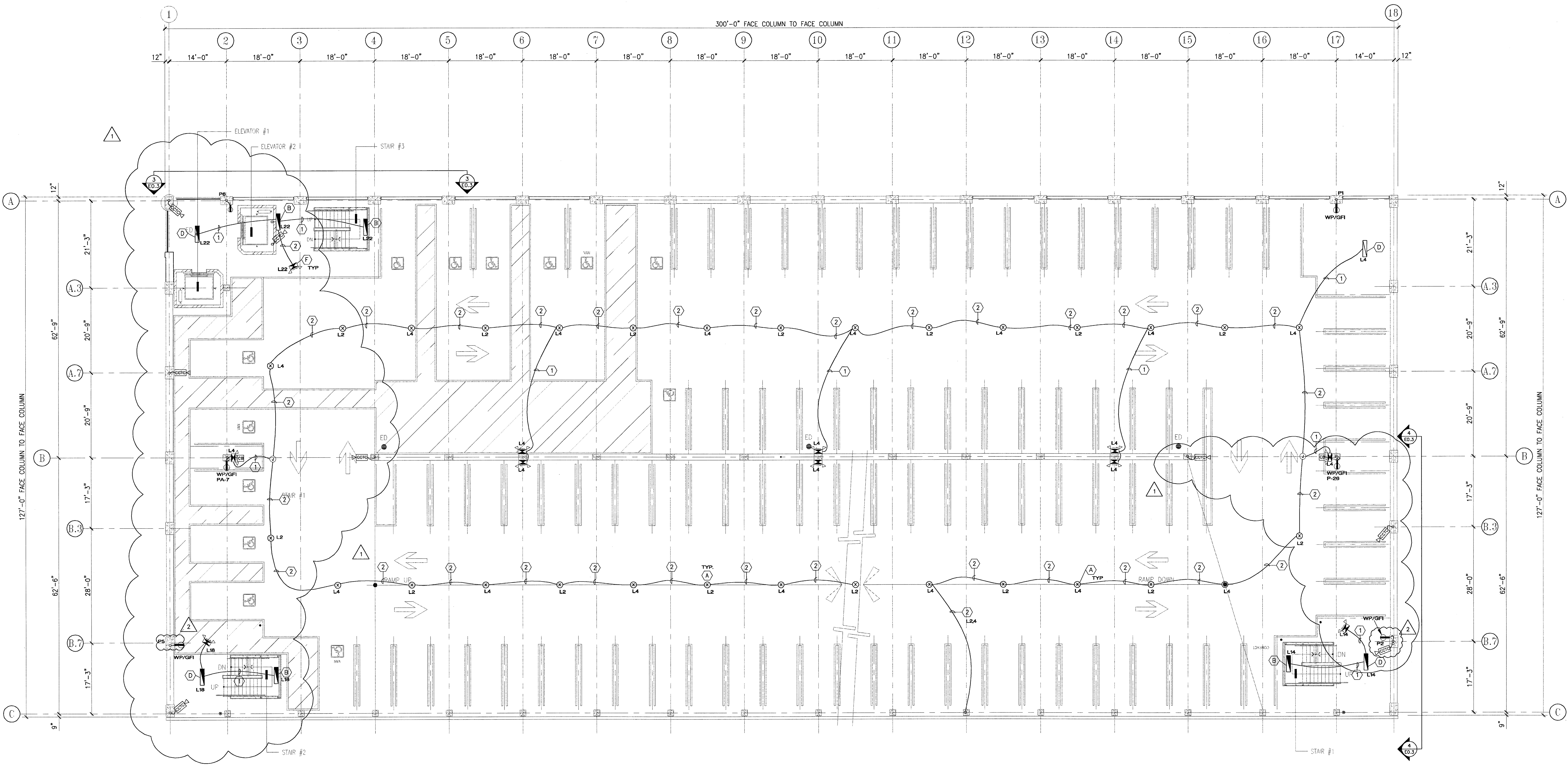
SHEET TITLE

LEVEL P-2
PWR&LIGHTING

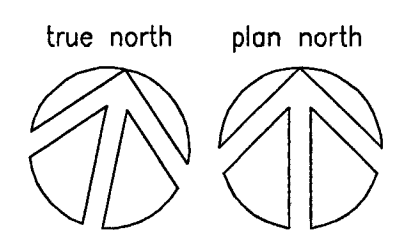
DATE	SCALE
29, NOVEMBER 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
2319A-2-2	6 OF 10
PROGRAM NO.	R-NO.

DRAWING NO:
E12

PROJECT NO:
HNA 2319



- ELECTRICAL NOTES:
- 1 PVC COATED 3 COND. #12 (HNG) MC CABLE IN CONCRETE SLAB
 - 2 PVC COATED 4 COND. #12 (HNG) MC CABLE IN CONCRETE SLAB
 - 3 PVC COATED 5 COND. #12 (H-HNG) MC CABLE IN CONCRETE SLAB



1
E1.2

POWER & LIGHTING
SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
4945 Waterloo Road
Stockton, California 95215
209. 931. 3738

CONSULTANTS:
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61 See Breeze Avenue
Sancho Plaza, Verdes, California 90275
310. 544. 8670

Design Architect
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209. 944. 9110

Structural Engineer
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Chicago, California 95226
530. 894. 5345

Civil Engineer
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4045 Coronado Avenue
Stockton, California 95204
209. 943. 2021

Plumbing Designer - Design/Builder
HRM Plumbing
3650 Wilcox Road
Stockton, California 95215
209. 931. 9650

Electrical Designer - Design/Builder
Collins Electrical Co. Inc.
611 W. Fremont Street
Stockton, California 95203
209. 466. 3691

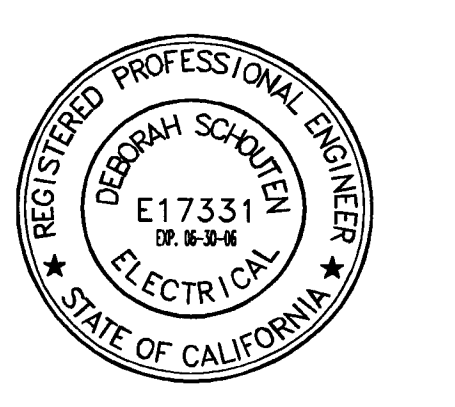
Mechanical Designer - Design/Builder
Comfort Air
1507 Turnpike Road
Stockton, California 95201
209. 466. 4601

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REVISIONS:	
△ PLAN CHECK	11-29-04
△ SECURITY UPGRADE	01-26-05
△ SECURITY REVISION	02-10-05



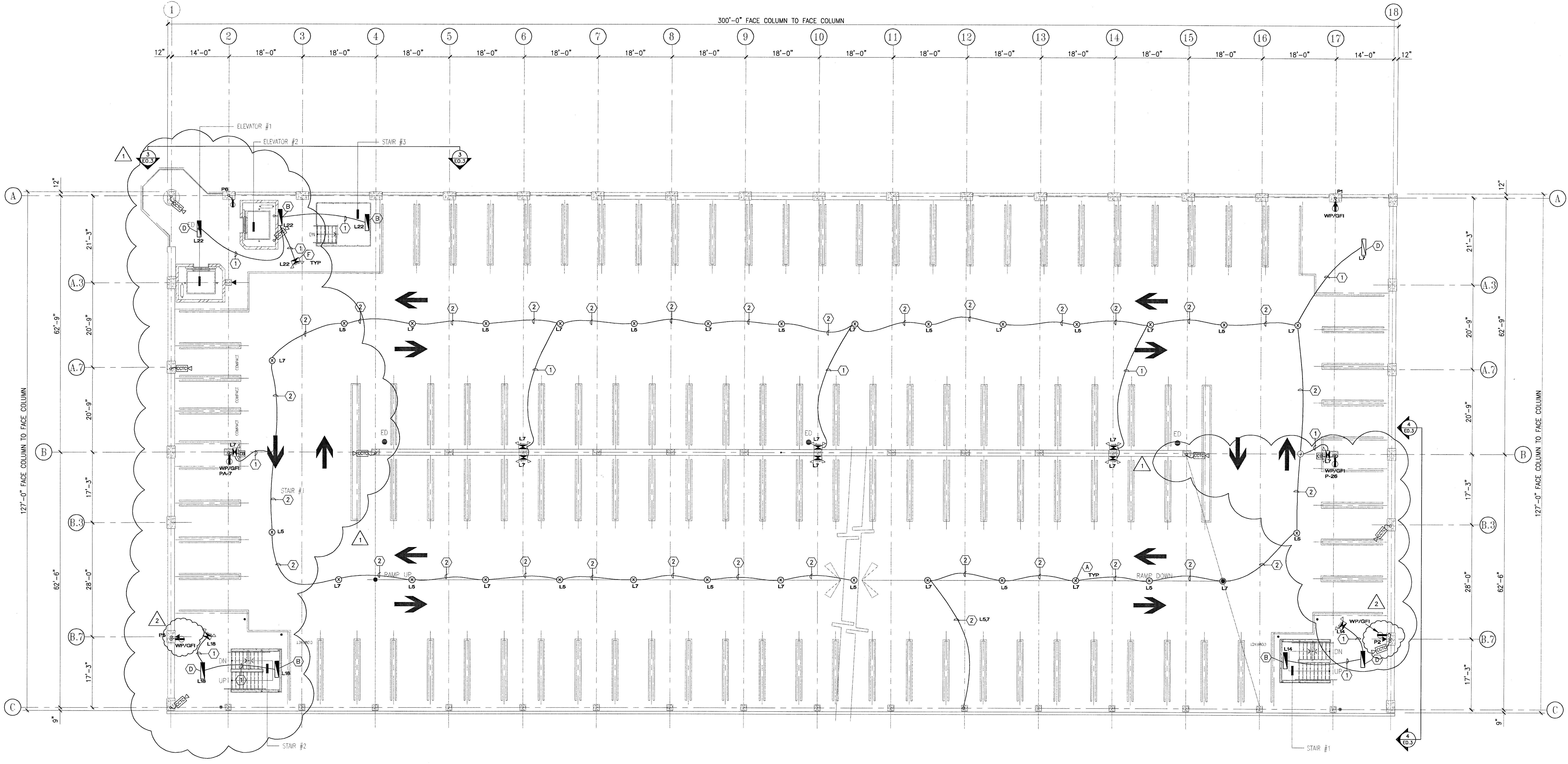
SHEET TITLE

LEVEL P-3
PWR&LIGHTING

DATE	SCALE
29, NOVEMBER 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
2319A-2-3	7 OF 10
PROGRAM NO.	R.N.O.

DRAWING NO:
E13

PROJECT NO:
HNA 2319



- ELECTRICAL NOTES:
- ① PVC COATED 3 COND. #12 (H)(G) MC CABLE IN CONCRETE SLAB
 - ② PVC COATED 4 COND. #12 (H)(G) MC CABLE IN CONCRETE SLAB
 - ③ PVC COATED 5 COND. #12 (H)(H)(G) MC CABLE IN CONCRETE SLAB

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
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209.931.3738

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209.944.9110

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209.943.2021

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Stockton, California 95215
209.931.9650

Electrical Designer - Design/Builder
Collins Electrical Co. Inc.
611 W. Fremont Street
Stockton, California 95203
209.466.3691

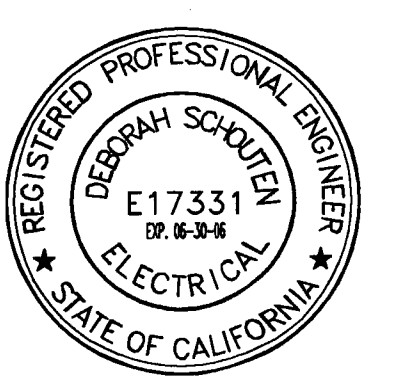
Mechanical Designer - Design/Builder
Comfort Air
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209.466.4601

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△ SECURITY UPGRADE	01-26-05
△ SECURITY REVISION	02-05-05

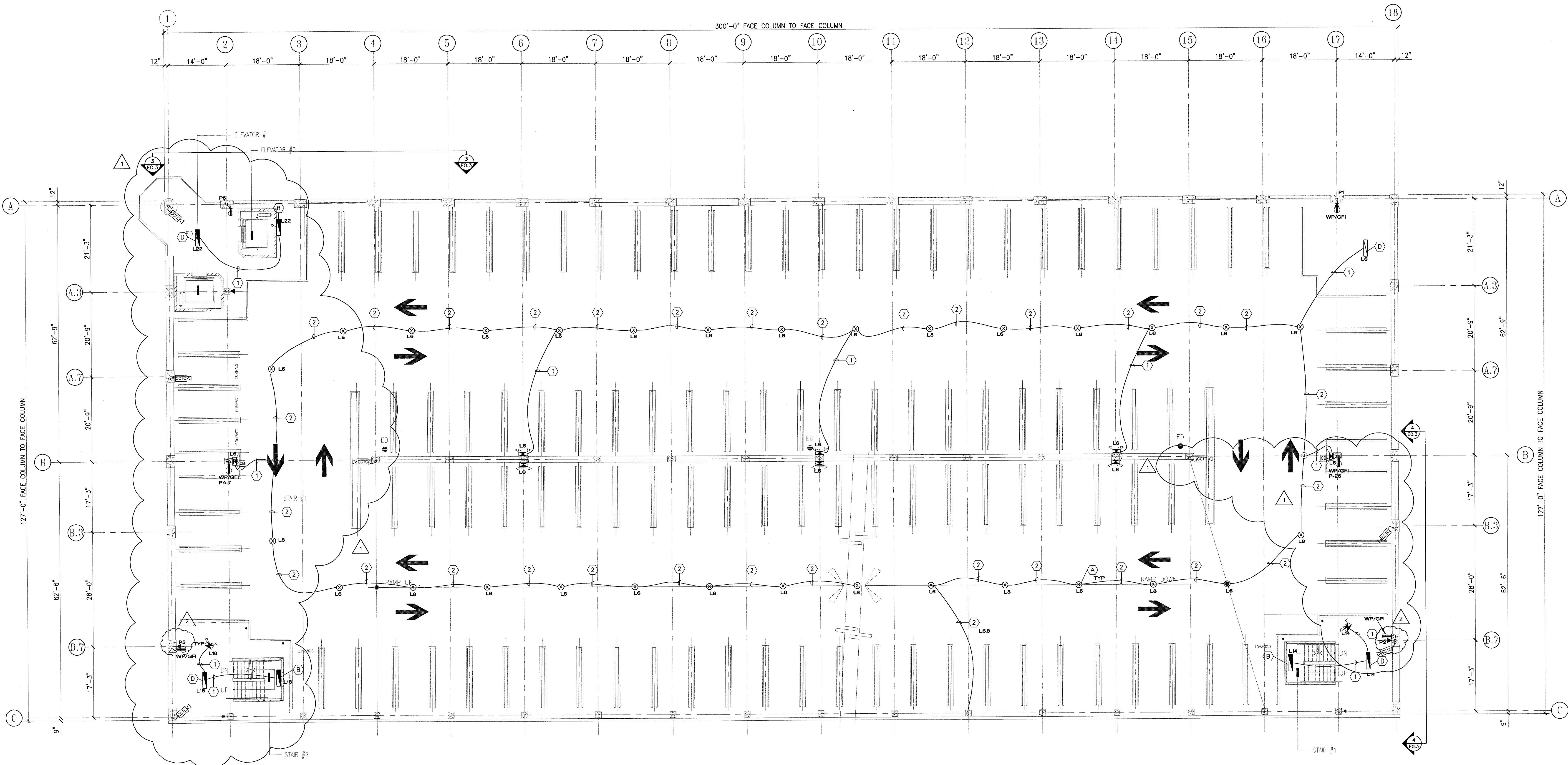


SHEET TITLE

LEVEL P-4
PWR&LIGHTING

DATE	SCALE
29, NOVEMBER 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
2319A-2-4	8 OF 10
PROGRAM NO.	R-N.O.

DRAWING NO:
E1.4
PROJECT NO:
H N A 2319



- ELECTRICAL NOTES:
- ① PVC COATED 3 COND. #12 (H.N.G) MC CABLE IN CONCRETE SLAB
 - ② PVC COATED 4 COND. #12 (H.H.G) MC CABLE IN CONCRETE SLAB
 - ③ PVC COATED 5 COND. #12 (H.H.H.N.G) MC CABLE IN CONCRETE SLAB

1
A-2.4
LEVEL P-4 STRIPING PLAN
SCALE: 3/32" = 1'-0"

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
F&H Construction
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Stockton, California 95215
209.931.3738

CONSULTANTS:
Architect - Parking Consultant
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Rancho Palos Verdes, California 90275
310.544.8670

Design Architect:
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209.944.9110

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Chicago, California 95225
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Stockton, California 95215
209.931.9650

Electrical Designer - Design/Builder
Collins Electrical Co. Inc.
611 W. Fremont Street
Stockton, California 95203
209.466.3691

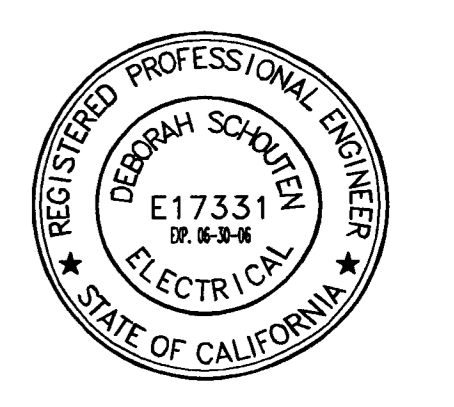
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1607 Turnpike Road
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209.466.4601

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REVISIONS:		
△ PLAN CHECK		11-29-04
△ SECURITY UPDATE		01-26-05
△ SECURITY REVISION		02-10-05



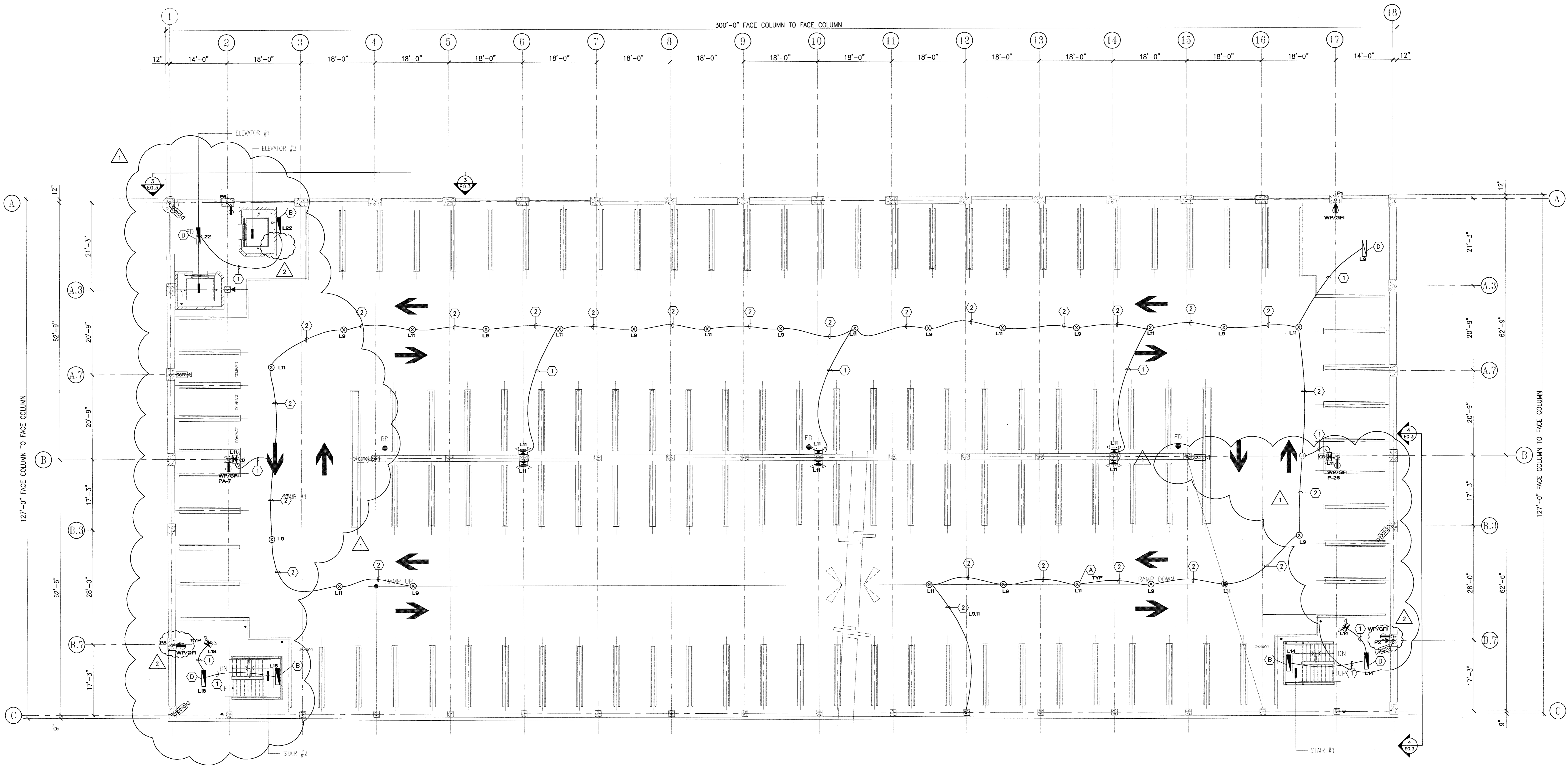
SHEET TITLE

LEVEL P-5
PWR&LIGHTING

DATE	SCALE
29, NOVEMBER 2004	3/32" = 1'-0"
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
2319A-2-5	9 OF 10
PROGRAM NO.	R.NO.

DRAWING NO.:
E15

PROJECT NO.:
HNA 2319



- ELECTRICAL NOTES:
- ① PVC COATED 3 COND. #12 (HNG) MC CABLE IN CONCRETE SLAB
 - ② PVC COATED 4 COND. #12 (HNG) MC CABLE IN CONCRETE SLAB
 - ③ PVC COATED 5 COND. #12 (HHNG) MC CABLE IN CONCRETE SLAB

CITY OF STOCKTON
EDMUND S. 'ED' COY
PARKING STRUCTURE

STOCKTON, CALIFORNIA

OWNER:
City of Stockton

DESIGN BUILDER:
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4945 Waterloo Road
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3650 Wilcox Road
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209. 931. 9650

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Collins Electrical Co. Inc.
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Stockton, California 95203
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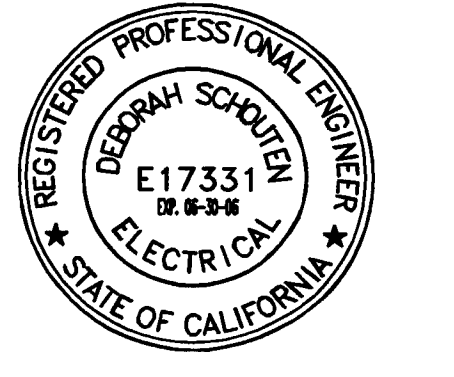
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▲ SECURITY UPGRADE	01-26-05	
▲ SECURITY REVISION	02-10-05	
▲ PLAN CHECK RESUBMITTAL	6-16-05	



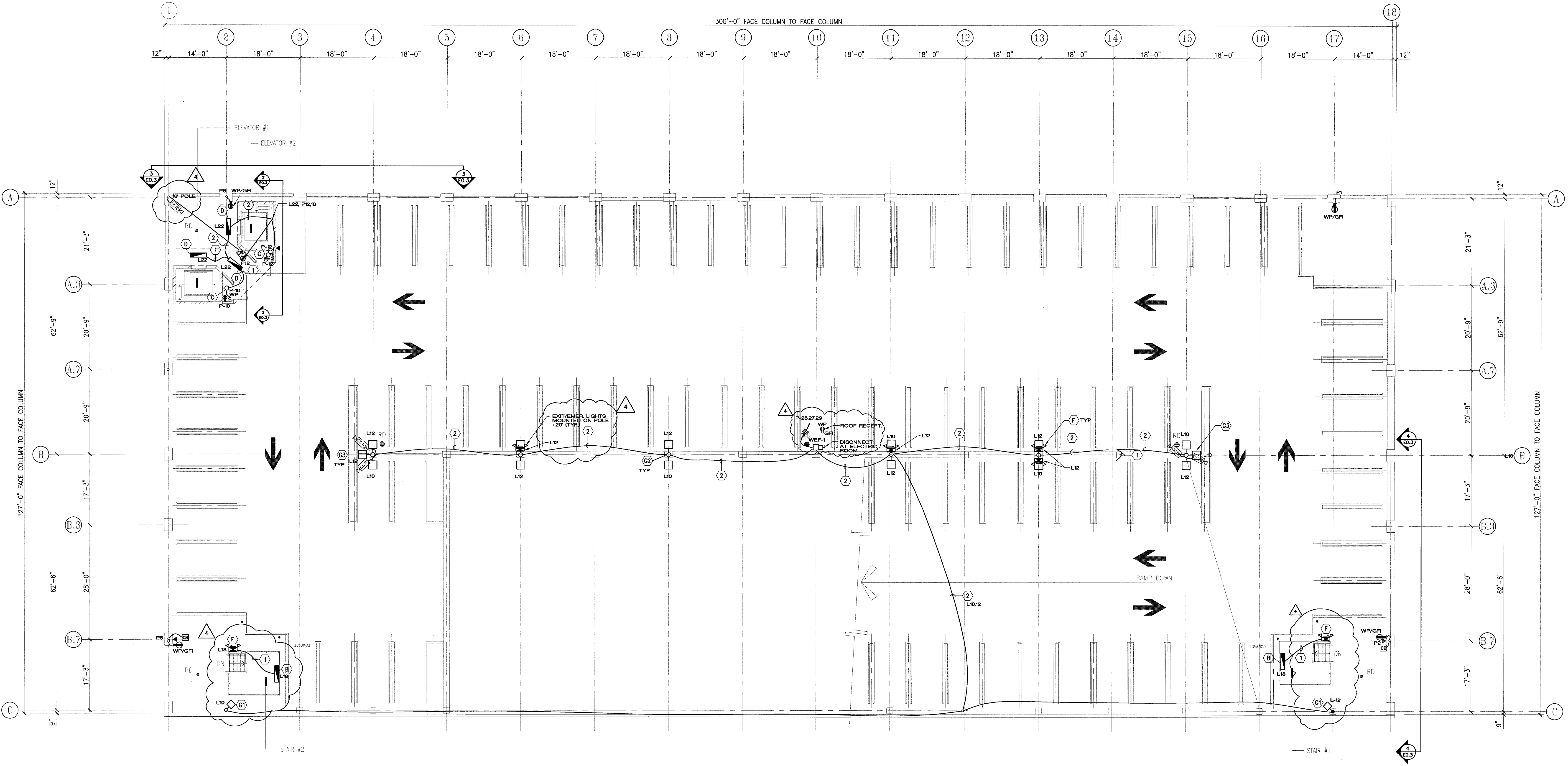
SHEET TITLE

LEVEL P-6
PWR&LIGHTING

DATE	SCALE
16-6-05	3/32" = 1'-0"
DRAWN BY	CHECKED BY
RMFA	DS
DRAWING NO.	SHEET
2319A-2-6	10 OF 10
PROGRAM NO.	R-N.O.

DRAWING NO:
E16

PROJECT NO:
H N A 2319



- ELECTRICAL NOTES:
- ① PVC COATED 3 COND. #12 (H,N,G) MC CABLE IN CONCRETE SLAB
 - ② PVC COATED 4 COND. #12 (H,H,G) MC CABLE IN CONCRETE SLAB
 - ③ PVC COATED 5 COND. #12 (H,H,H,G) MC CABLE IN CONCRETE SLAB

true north plan north

1 LEVEL P-6 POWER & LIGHTING
E1.6 SCALE: 3/32" = 1'-0"