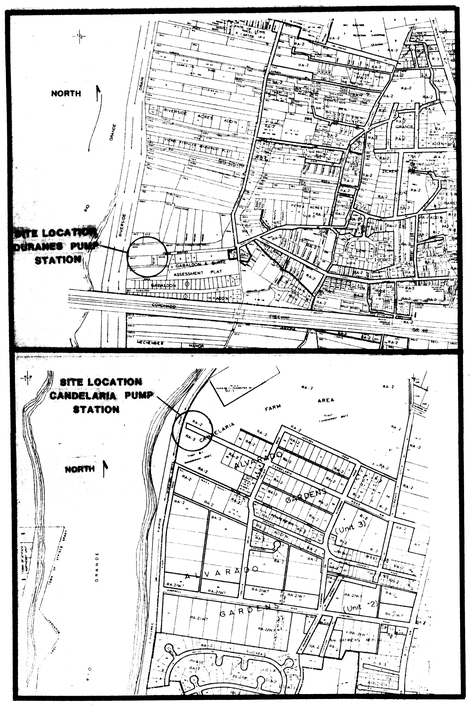
CITY OF ALBUQUERQUE, NEW MEXICO

CANDELARIA AND DURANES
PUMP STATIONS RENOVATIONS



AREA LOCATION MAP

SPECIFICATIONS

1. BUILDING DEMOLITION:

Schedule of Demolition Work: Demolition requires the removal of the metal structures now protecting the pumps and servicing electrical equipment. Demolition also includes removal of the existing cast-in-place, six inch high concrete curbs.

Building Demolition: Demolish buildings completely and remove from site. **Buildings will be disassembled in a manner which will facilitate reassembly at another site. This will include numbering parts and providing a key to the parts list to the city engineer.**

2. CONCRETE WORK:

Codes and Standards: Comply with provisions of following codes, specifications and standards, except where more stringent requirements are shown or specified:

ACI 301 "Specifications for Structural Concrete for Buildings".

ACI 318 "Building Code Requirements for Reinforced Concrete".

Concrete Reinforcing Steel Institute, "Manual of Standard Practice".

Reinforcing Bars: ANSI/ASTM A615, Grade 60, deformed.

Welded Wire Fabric: ANSI/ASTM A185, welded steel wire fabric.

Supports for Reinforcement: Provide supports for reinforcement.

Corrugated Steel Form Decking: Decking shall be of prefabricated, zinc-coated sheet steel conforming to ASTM A446, Grade A. Sheet steel shall be 24 gauge. Decking shall have 1-1/4" corrugations. Venting shall be provided in the deck. Zinc-coating shall conform to ASTM A525.

Non-Shrink Grout: CRD-C 588, factory pre-mixed grout.

Epoxy Adhesive: 100% solids, two component material suitable for use on dry or damp surfaces.

Design Mixes to provide normal weight concrete with the following properties:

All surfaces shall be 3000 psi 28-day compressive strength; maximum aggregate size should not exceed that recommended by the form liner producers.

Placing Reinforcement: Comply with Concrete Reinforcing Steel Institute's recommended practice for "Placing Reinforcing Bars".

Installation of Embedded Items: Set and build into work anchorage devices and other embedded items required for other work that is attached to, or supported by, cast-in-place concrete.

Placing Concrete in Forms: Deposit concrete in forms in horizontal layers not deeper than 24" and in a manner to avoid inclined construction joints. Where placement consists of several layers, place each layer while preceding layer is still plastic to avoid cold joints. Consolidate placed concrete by mechanical vibrating equipment supplemented by hand-spading, rodding or tamping. Use equipment and procedures for consolidation of concrete in accordance with ACI recommended practices.

Concrete Curing and Protection: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Provide curing of concrete by moist curing, by moisture-retaining cover curing, by curing compound or by combinations thereof.

Formwork not supporting weight of concrete, such as sides of walls and similar parts of the work, may be removed after cumulatively curing at not less than 50° F. for 24 hours after placing concrete, provided concrete is sufficiently hard to not be damaged by form removal operations, and provided curing and protection operations are maintained.

STEEL JOISTS:

Provide joists fabricated in compliance with the following, and as [illegible] specified: Steel Joist Institute (SJI) Standard Specifications and Load Tables for Steel Joists for Buildings.

Anchors: Provide anchors for supporting devices to be built into concrete construction.

4. METAL FABRICATIONS:

Metal fabrications include items made from steel shapes and plates of ASTM A36 quality. Provide items as: catch covers, loose bearing and leveling plates, and miscellaneous framing and supports. Shop fabricate to greatest extent possible and shop paint.

5. BUILT-UP ROOFING (BUR) SYSTEM:

Type of BUR required for project:

Vented base sheet and two plys of asphalt/organic felt roof membrane with mineral surface cap sheet.

Deck Asphalt/Organic/Aggregate Roofing: Provide built-up mineral-surfaced cap sheet roof system with concrete primer one ply vented base sheet and two plies organic felt for lay-up as indicated.

Concrete Primer: Thin asphaltic cutback, complying with ASTM D41-73.

Vented Base Felt: Complying with ASTM D2626, Type I.

Ply Felts: Two plies of No. 15 perforated asphalt-saturated organic felt, complying with ASTM D226, Type I.

Bitumen: Roof asphalt, complying with ASTM D312, Type III.

Mineral Surface Cap Sheet: Single-ply of heavy-weight glass fiber mat with asphalt coating and factory-applied surfacing of opaque mineral granules; comply with ASTM D3909. Provide white color granules.

Sheetmetal Accessory Materials:

Zinc-Coated Steel: ASTM A526, with 0.20% copper, G90 coating galvanized, mill phosphatized where indicated for painting; 0.0359" thick (20 gauge), except as otherwise indicated.

Cant Strips/Tapered Edge Strips: Except as otherwise shown, install preformed 45° insulation cant strips at junctures of BUR membrane with vertical surface.

6. STEEL DOORS AND FRAMES:

Doors shall be flush hollow metal formed with 16 gauge face sheets with 1/8 inch steel plates welded to each face sheet. See drawings. Comply with Steel Door Institute (SDI) for materials, quality, metal gauges and construction details.

Hardware: Equip each door as follows:

1 pair 5 x 5 full mortise concealed, reinforced, heavy-weight ball bearing hinges top and bottom, H. Sess, #4855ISO, or equal.
1/2 pair 5 x 5 full mortise concealed, heavy-weight ball bearing hinges, H. Sess, 4B50TBB, or equal.
1 ea. Mortise lockset, Sargent 7841, or equal.
1 set weatherstripping, Pemco 303AV, or equal.
1 threshold, Pemco 270A, or equal.

NOTE: Door locks will be keyed to matched existing locks.

Standard Steel Frames: Provide metal frames for doors of types and styles as shown on drawings. Fabricate frames with mitered corners and welded construction of hot-dip galvanized steel.

7. PAINTING:

Extent of painting work includes painting and finishing of interior and exterior exposed items and surfaces throughout project, except as otherwise indicated.

Surface preparation, priming and coats of paint specified are in addition to shop-priming and surface treatment specified under other sections of work.

Paint exposed surfaces whether or not colors are designated. Where items or surfaces are not specifically mentioned, paint same as adjacent similar materials or areas. If color or finish is not designated, City Engineer will select these from standard colors available for materials systems specified.

Provide following paint systems for various substrates, as indicated:

Concrete (Interior-Optional):
1st Coat - Wellborn Rub-R-Cote, or equal.
2nd Coat - Wellborn Rub-R-Cote, or equal.

Concrete (Exterior-Textured Finish):
1st Coat - Wellborn Silicone Clear Sealer, or equal.
2nd Coat - Wellborn Silicone Clear Sealer, or equal (as recommended).

Ferrous Metal:
1st Coat - Wellborn Ultite Red Oxide Primer, or equal.
2nd Coat - Wellborn #963 Metal Primer, or equal.
3rd Coat - Trimex Exterior Latex Enamel, or equal.
4th Coat - Trimex Exterior Latex Enamel, or equal.

First coat not required on items delivered shop primed.

Zinc-Coated Metal:
1st Coat - Wellborn Zinc Chromate Primer, or equal.
2nd Coat - Wellborn All-Purpose Enamel, or equal.
3rd Coat - Wellborn All-Purpose Enamel, or equal.

Surface Preparation: Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions for each particular substrate condition.

LIST OF DRAWINGS

1894

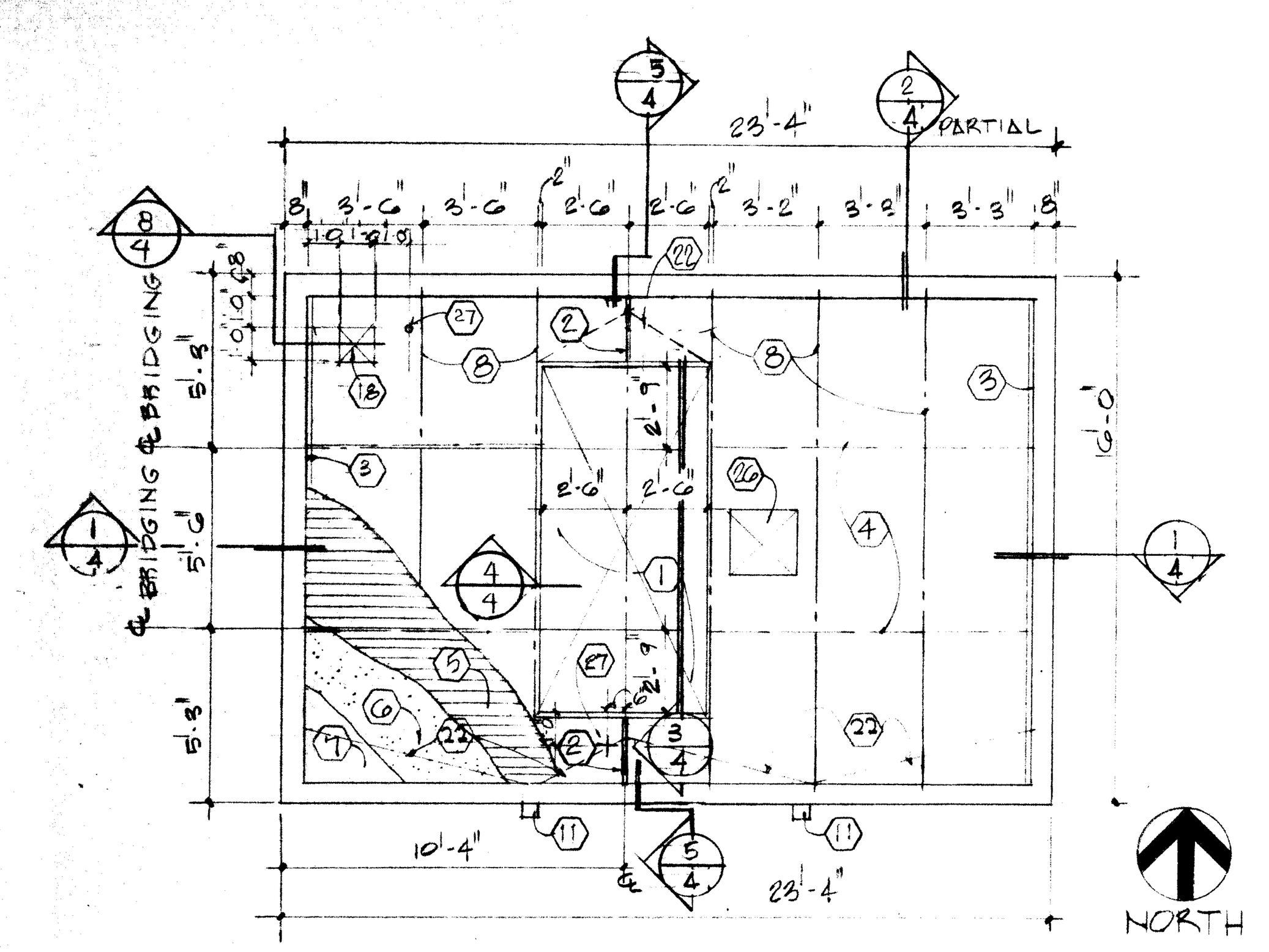
APPROVED : _____
ENGINEERING DIVISION

NOT AS-BUILT
VERIFY IN FIELD

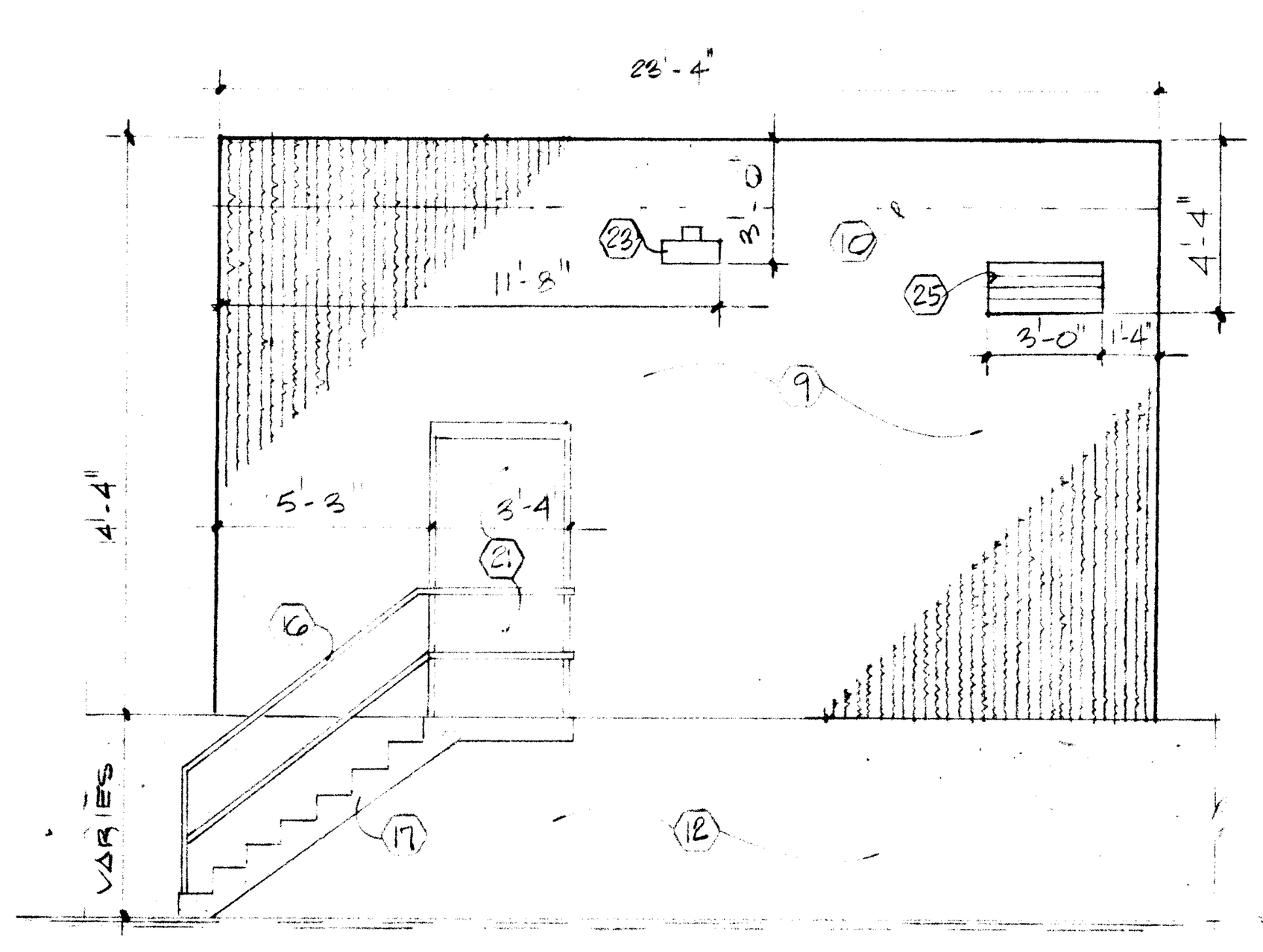
1 2 3 4 5 6 7 8 9 10 11 12
26 1 89 4 01 86

DESIGN PROFESSIONALS, INC
4801 CARLISLE BLVD. NE ALBUQUERQUE, NM
(505)881-6338

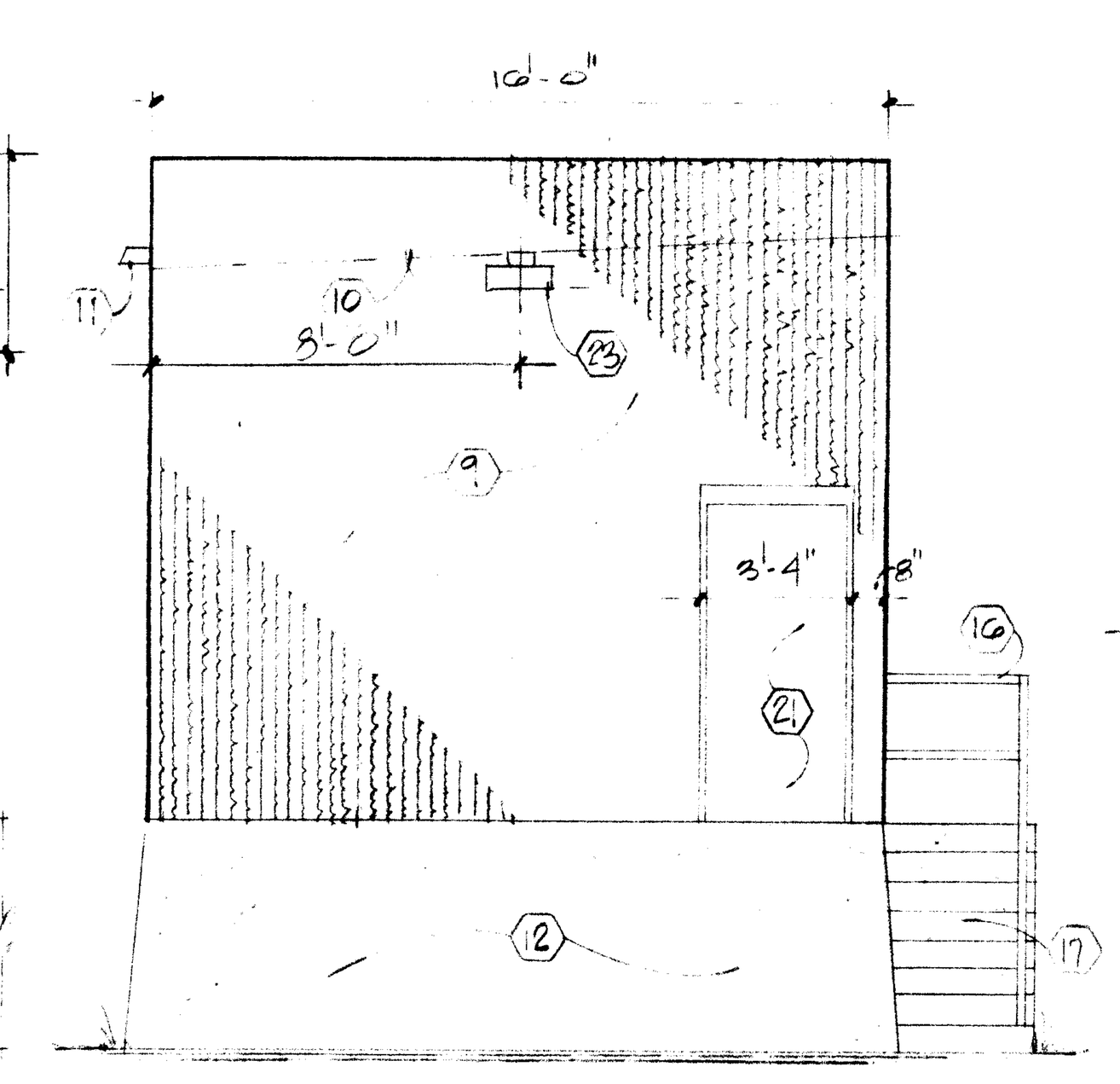
PROJECT TITLE:
CITY OF ALBUQUERQUE, N.M.
CANDELARIA AND DURANES
PUMP STATIONS RENOVATIONS
SHEET TITLE:
COVER
INDEX OF DRWGS.
SITE LOCATION MAP
ENGINEERING DIVISION
PROJECT NO. 1894
DRAWING 1
SHEET 1 OF 4
Drawn by: ____ Proj. No: ____
Checked by: ____ Date: ____
ARCHITECTS/ENGINEERS



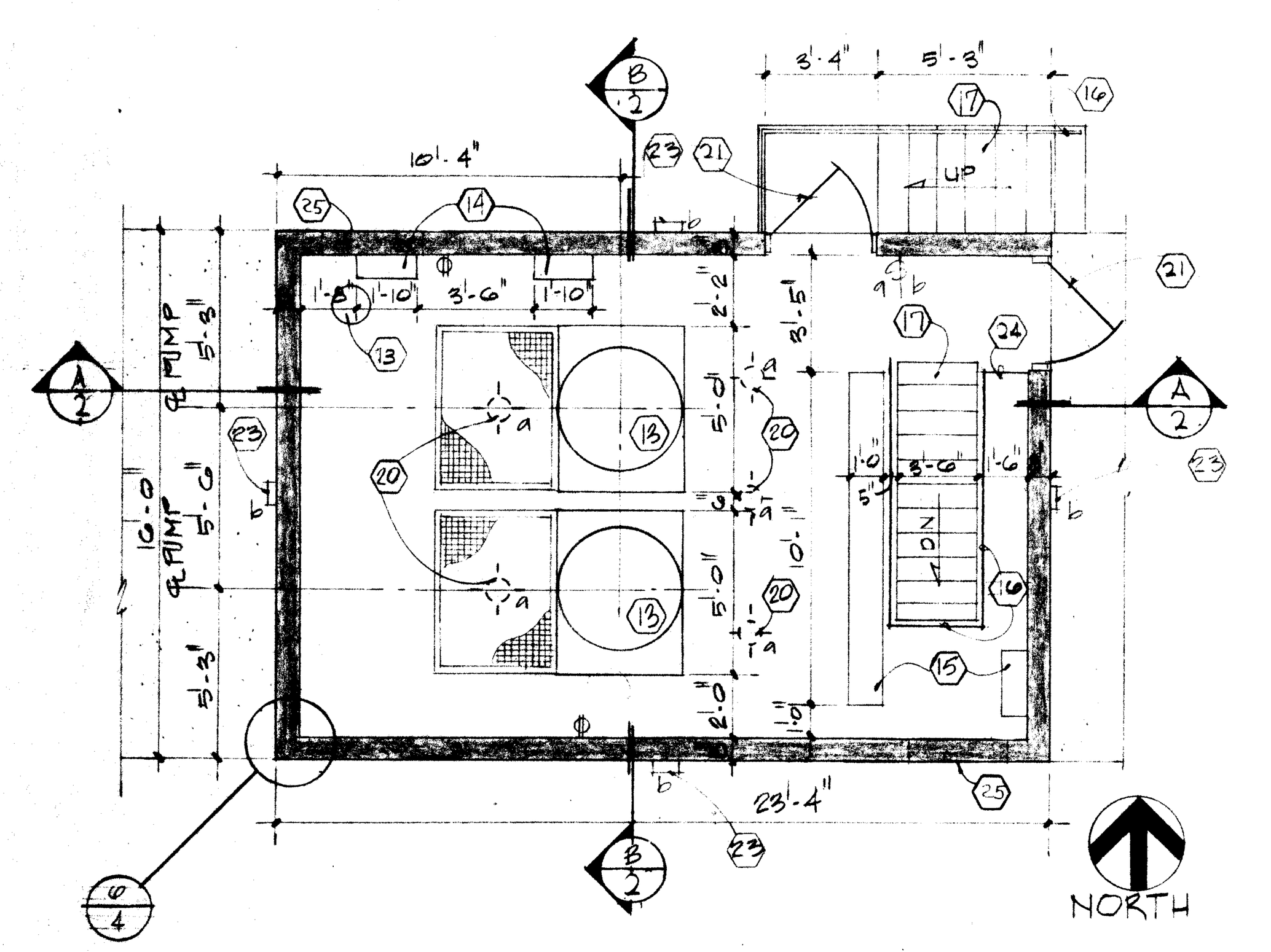
ROOF FRAMING
SCALE: 1/4" = 1'-0"



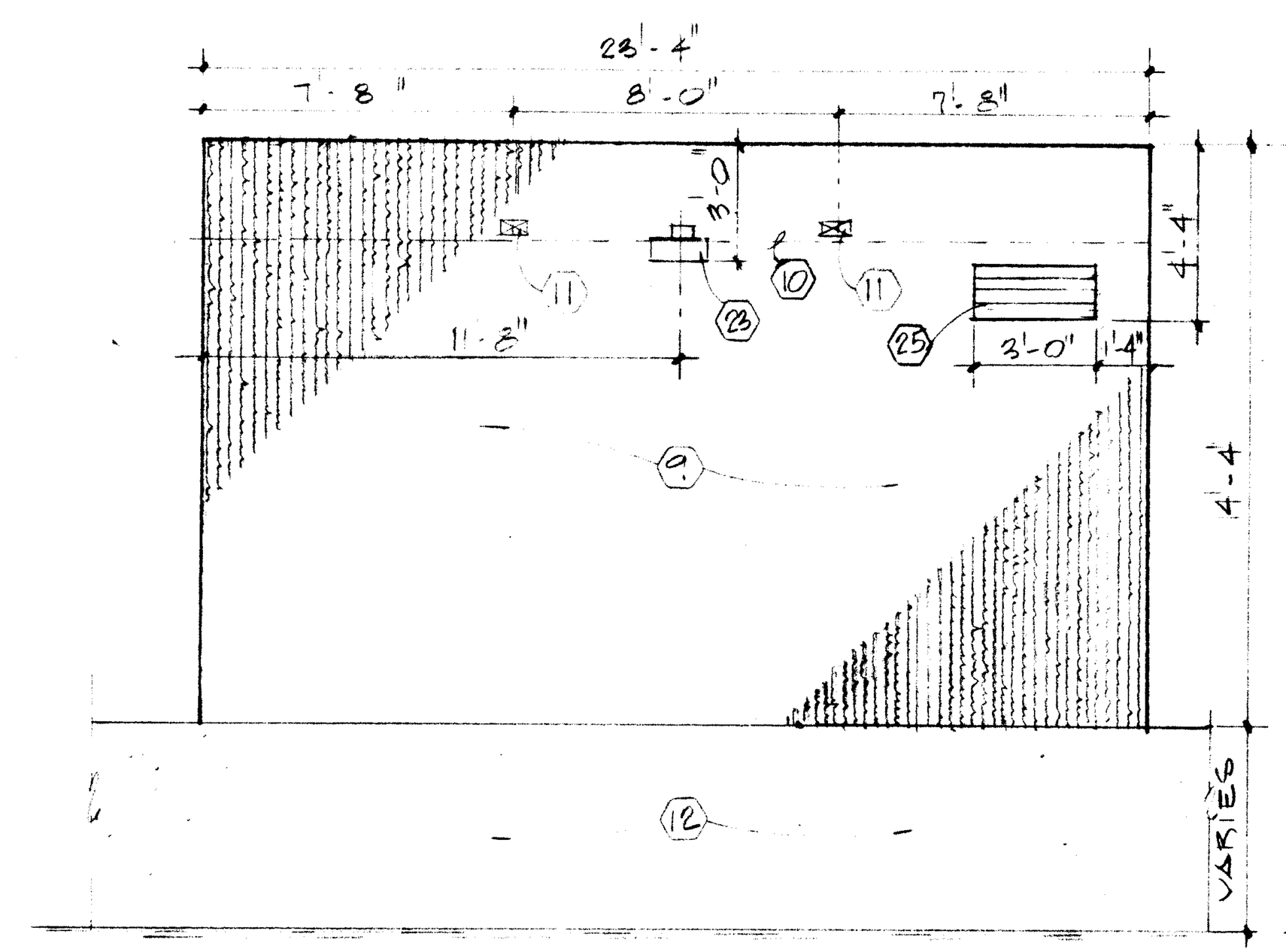
NORTH ELEVATION
SCALE: 1/4" = 1'-0"



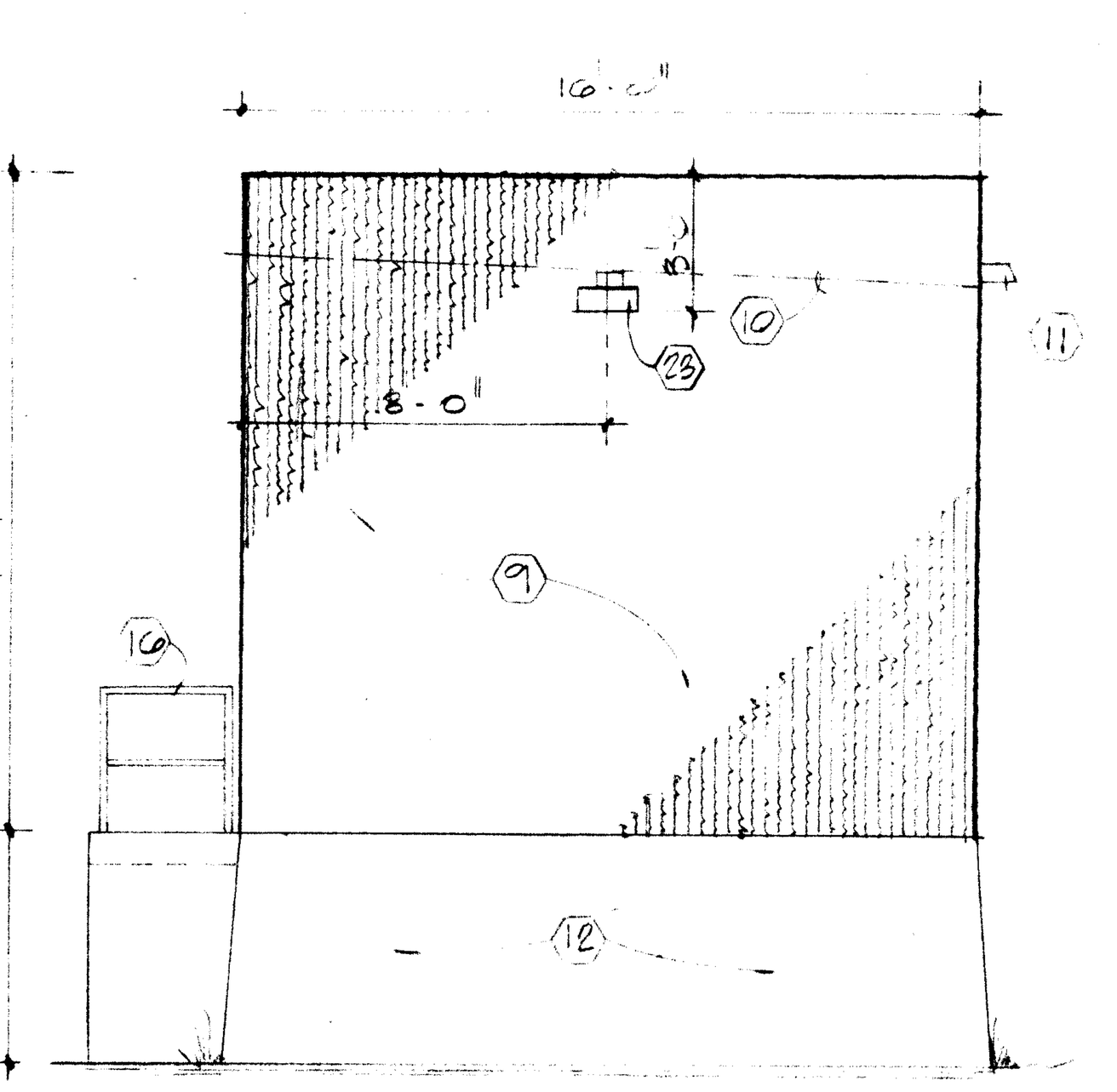
EAST ELEVATION
SCALE: 1/4" = 1'-0"



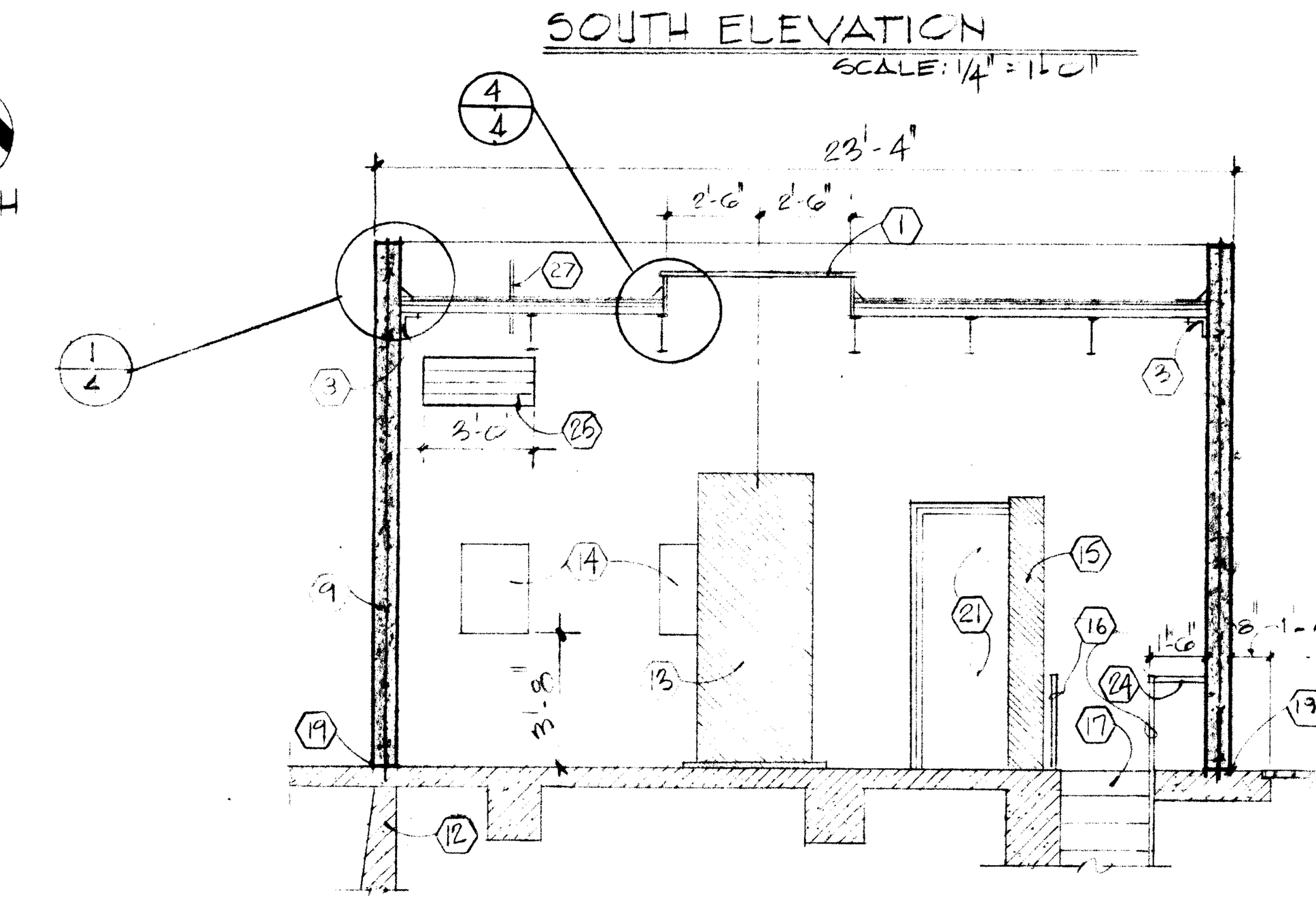
FLOOR PLAN
SCALE: 1/4" = 1'-0"



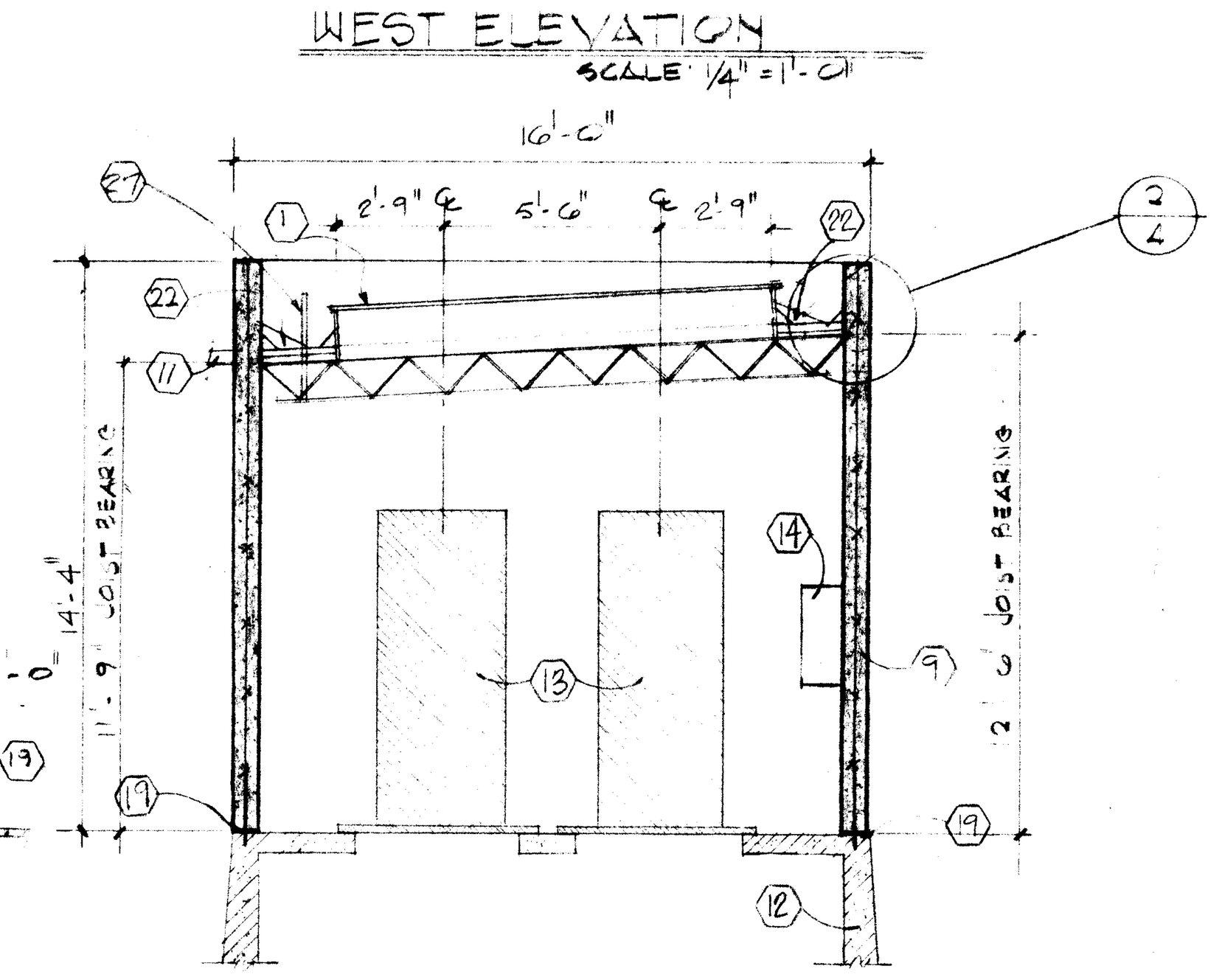
SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



BUILDING SECTION A/2
SCALE: 1/4" = 1'-0"



BUILDING SECTION B/2
SCALE: 1/4" = 1'-0"

APPROVED: ______________________
ENGINEERING DIVISION

ELECTRICAL SYMBOLS

- ceiling fixture outlet
- duplex convenience receptacle
- wall switch 1p, letter indicates unit operated.

For additional electrical details see original facility electrical plans. Provide 3/4" electrical conduit to match existing. Surface mount to cast-in-place concrete walls in accordance with accepted practice as published in the National Electrical Code and the National Electrical Safety Code.

KEYED NOTES

1. ROOF HATCH. SEE ENLARGED PLAN ON SHEET 4. MIN. CLEAR OPENING IS 3'-0" X 3'-0".
2. STEEL ANGLE 3-1/2 X 2-1/2 X 1/4.
3. STEEL ANGLE 2-1/2 X 2-1/2 X 1/4 W/ 1/2" DIA. EXPANSION ANCHORS @ 2'-0" O.C.
4. BRIDGING @ 1/3 POINTS STEEL ANGLE 1 X 1 X 1/8. ATTACHED AT ENDS TO WALL W/ CLIP ANGLES AND 1/2" DIA. EXPANSION ANCHORS. CUT BRIDGING BELOW HATCHES AFTER ROOF DECK IS IN PLACE AND HATCHES ARE COMPLETELY INSTALLED.
5. 24 GA. CORRUGATED METAL VENTED DECK. SECURE TO JOISTS WITH 1/2" DIA. PUDDLE WELDS @ 2'-0" O.C.
6. 2-1/2" CONC. SLAB W/ 6 X 6 X W2.9 X W2.9 WWF. POSITION AT CENTER OF SLAB ± 1/2".
7. 90# MINERAL SURFACE ROLL ROOFING OVER ONE PLY VENTED BASE SHEET AND TWO PLYS OF 15# FELT. SEE SPECIFICATIONS.
8. 10H3 OPEN WEB STEEL JOIST W/ HOT ROLLED CHORDS. (TOTAL OF FIVE).
9. 8" CAST-IN-PLACE CONC. WALLS W/ 6 X 3 X W5 X W5 WWF. CENTER IN WALL ± 1/2" (3" BETWEEN HORIZONTAL BARS AND 6" BETWEEN VERTICAL BARS). ALL REINFORCEMENT: #4 BARS VERTICAL @ 18" O.C. AND #4 BARS HORIZONTAL @ 12" O.C. TEXTURE EXTERIOR OF WALL BY USING A FORM LINER. BURKE, PATTERN NO. BG312, OR APPROVED EQUAL.
10. ROOF LINE BEYOND.
11. SCUPPER. STRUCTURAL STEEL TUBING 6 X 4 X 3/16", 1'-8" LONG.
12. EXISTING FOUNDATION WALLS.
13. EXISTING WATER PUMPS. PROVIDE WEATHER PROTECTION THROUGHOUT DEMOLITION AND CONSTRUCTION PHASES.
14. EXISTING ELECTRICAL BOXES TO BE REMOVED FROM OLD STRUCTURE AND REINSTALLED AT LOCATIONS SHOWN.
15. EXISTING ELECTRICAL SWITCHGEAR TO REMAIN OPERATIONAL THROUGHOUT DEMOLITION AND CONSTRUCTION. FURNISH AND INSTALL WEATHER PROTECTION DURING PROJECT DURATION.
16. EXISTING RAILING TO REMAIN.
17. EXISTING STAIRS TO REMAIN.
18. ROOF OPENING FOR SUMP PUMP EXTRACTION. SEE DTL. 8/4.
19. REMOVE EXISTING CAST-IN-PLACE 6" HIGH CONC. CURB AND PREPARE SURFACE TO RECEIVE CONCRETE WALL. FURNISH AND INSTALL #5 DOWELS X 24" WITH 6" EMBEDMENT. SET IN EPOXY @ 24" O.C.
20. REUSE EXISTING FIVE LIGHT FIXTURES AND INSTALL IN GENERAL LOCATIONS AS SHOWN.
21. NEW 3'-0" X 7'-0" DOOR. SEE DETAIL 7/4 W/ HARDWARE. SEE SPECIFICATIONS. CAST FRAME IN CONCRETE.
22. ROOF CRICKET CONSTRUCTED USING RIGID INSULATION BOARD.
23. HIGH PRESSURE SODIUM WALL MOUNT, 150 WATT, 120 VOLTS. BENJAMIN, CAT. NO. OWW-150-120HX W/ PHOTO CELL-AUTOMATIC, CAT. NO. OPC-120; LEXAN CLEAR DIFFUSER SHIELD, CAT. NO. OWS-1 AND WIRE GUARD HEAVY-DUTY CAT. NO. OWG-1, OR APPROVED EQUAL. EMBED MOUNT AND LEAD CONDUIT IN CONCRETE WALL. PROVIDE PULL BOX AT INSIDE OF WALL AND PROVIDE CONDUIT AND WIRE TO NEAREST 120 VOLT SUPPLY. SURFACE MOUNT CONDUIT.
24. EXTEND HANDRAIL TO THE WALL. MATCH EXISTING RAILING.
25. DRAINABLE BLADE LOUVER W/ BIRD SCREEN, NON-ADJUSTABLE 3'-0" X 1'-4". AIROLITE TYPE K6776, OR EQUAL.
26. EXISTING VENTILATING FAN TO BE MOUNTED ON NEW ROOF. PROVIDE OPENING IN ROOF DECK REINFORCED W/ 2" X 2" X 1/4" STEEL ANGLES ALL AROUND. PROVIDE NEW 24 GA. GALVANIZED SHEET METAL ROOF FLASHING FOR ROOF MOUNTED VENTILATING FAN.
27. 3/4" DIA. X 24" LONG SCHEDULE 40 PIPE TO PENETRATE ROOF AND ROOF SLAB. MIN. HEIGHT ABOVE FINISH ROOF WILL BE 12". WELD THREE 1/2" DIA. X 4" LONG ANCHORS TO PIPE FOR EMBEDMENT INTO SLAB. THREAD AND CAP TOP OF PIPE.

GENERAL NOTE:

PUMP STATION MUST REMAIN 100% OPERATIONAL THROUGHOUT DEMOLITION OF EXISTING STRUCTURES AND CONSTRUCTION OF THE NEW FACILITIES. ALL INTERIOR LIGHTING FIXTURES, ELECTRICAL OUTLETS, SWITCHES, AND ELECTRICAL CONDUIT WILL BE REMOVED FROM THE EXISTING BUILDING AND REINSTALLED IN THE SAME GENERAL LOCATIONS IN THE NEW FACILITY, OR AS SHOWN ON THE DRAWINGS. SEE SPECIFICATIONS FOR DEMOLITION OF EXISTING BUILDING.

AS-BUILT
VERIFY IN FIELD

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DESIGN PROFESSIONALS, INC.

PROJECT TITLE:
CITY OF ALBUQUERQUE
CANDELARIA AND DURANES PUMP STATIONS RENOVATIONS

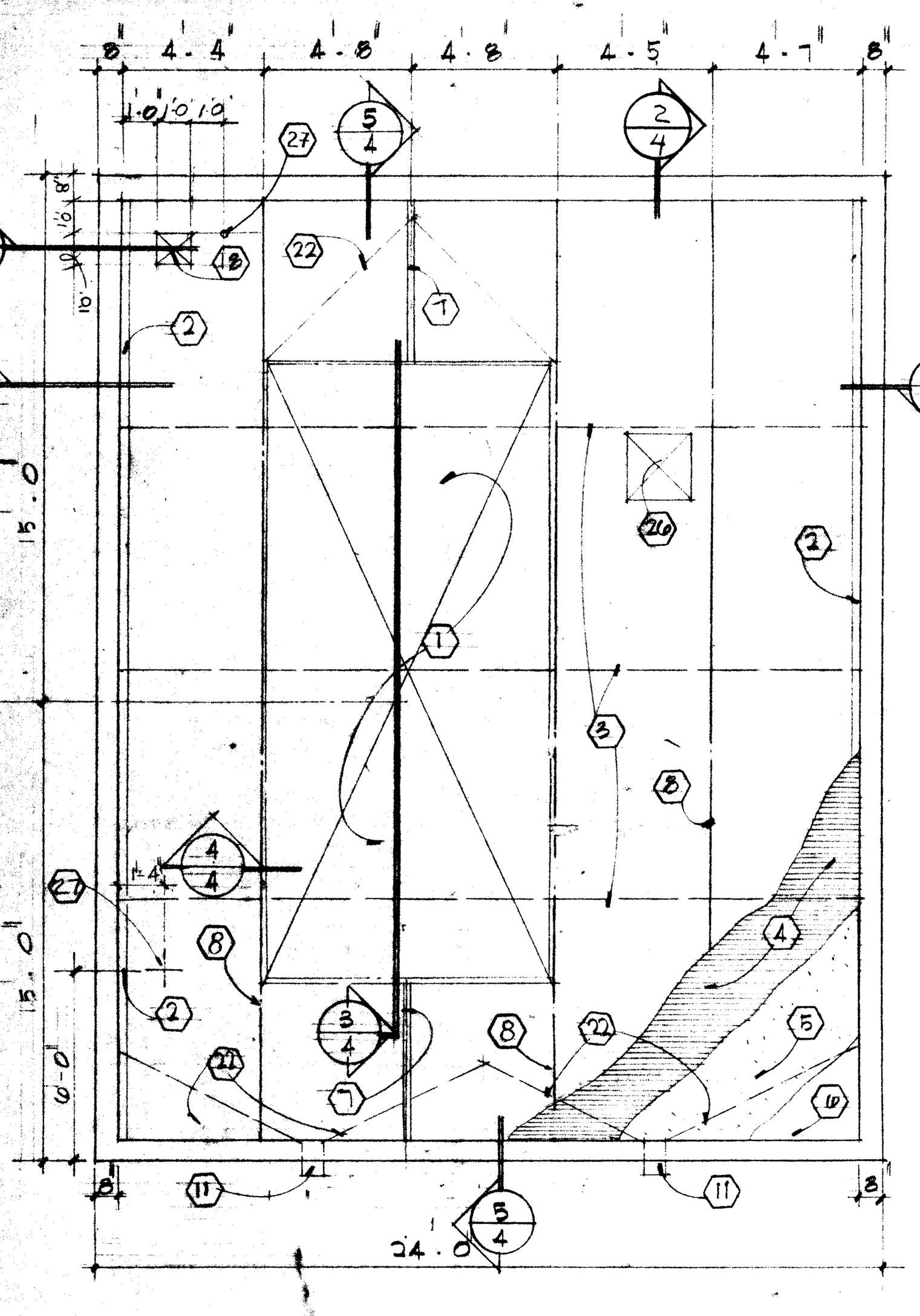
SHEET TITLE:
FLOOR PLAN
FRAMING PLAN
BLDG. ELEVS. & SECTS.
CANDELARIA STATION

ENGINEERING DIVISION PROJECT NO. 1894

Drawn by: J.S. Proj. No. 8836
Checked by: RHA Date: 11-16-88

DRAWING 2
SHEET 2 OF 4

dpi ARCHITECTS/ENGINEERS



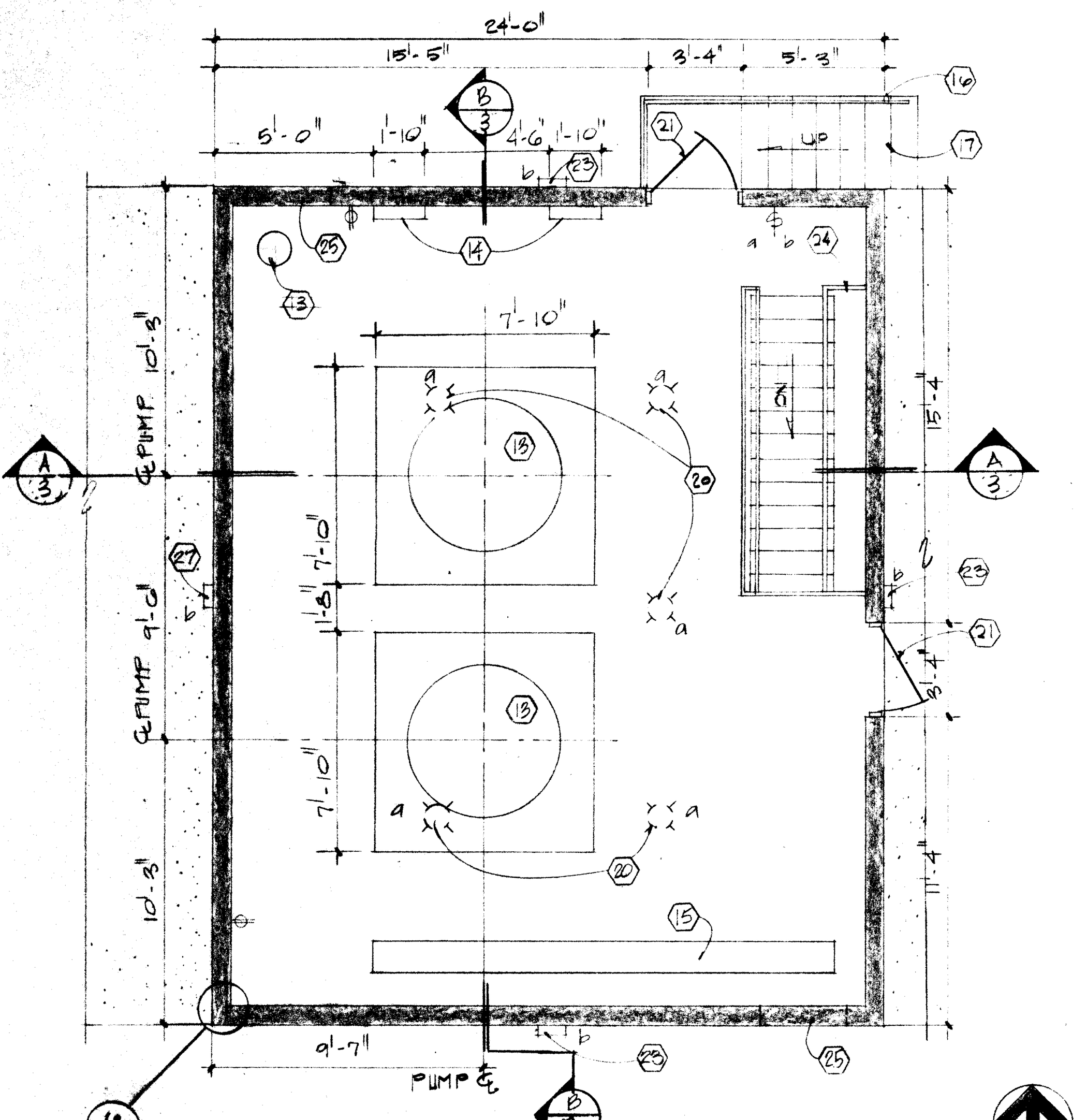
ROOF FRAMING PLAN
SC: 1/4" = 1'-0"

NORTH

ELECTRICAL SYMBOLS

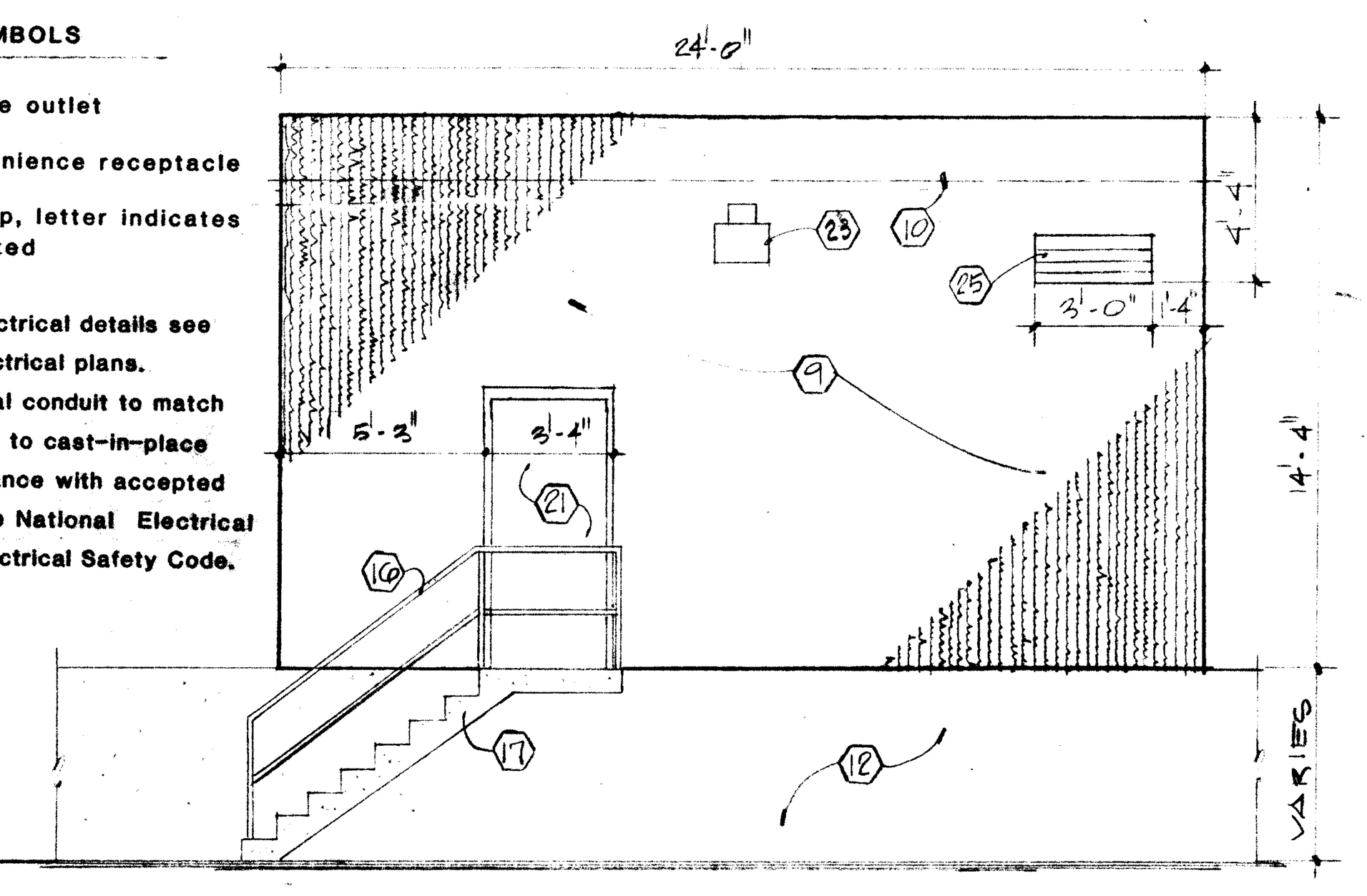
- ceiling fixture outlet
- duplex convenience receptacle
- wall switch 1p, letter indicates unit operated

For additional electrical details see original facility electrical plans. Provide 3/4" electrical conduit to match existing. Surface mount to cast-in-place concrete walls in accordance with accepted practice as published in the National Electrical Code and the National Electrical Safety Code.

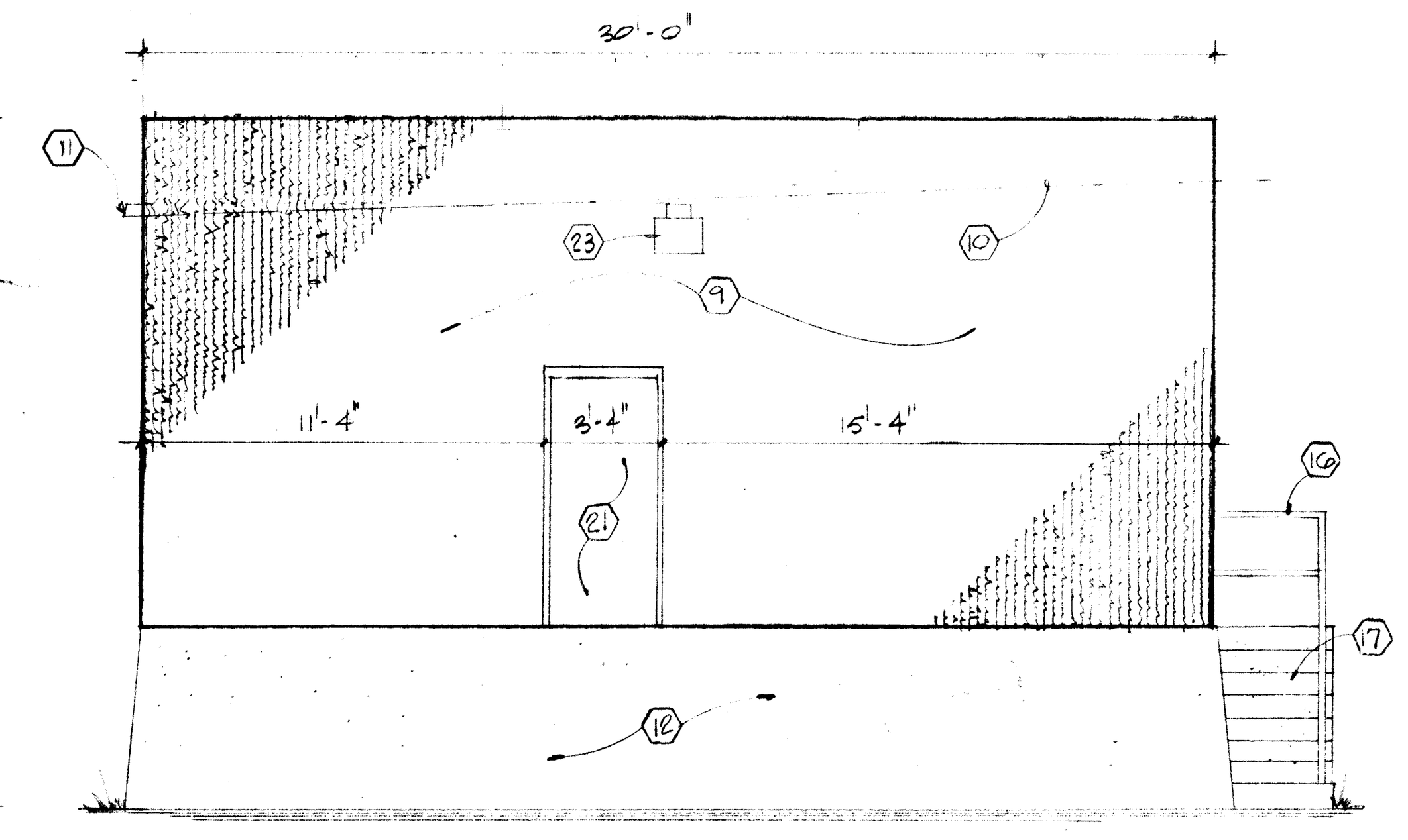


FLOOR PLAN
SCALE 1/4" = 1'-0"

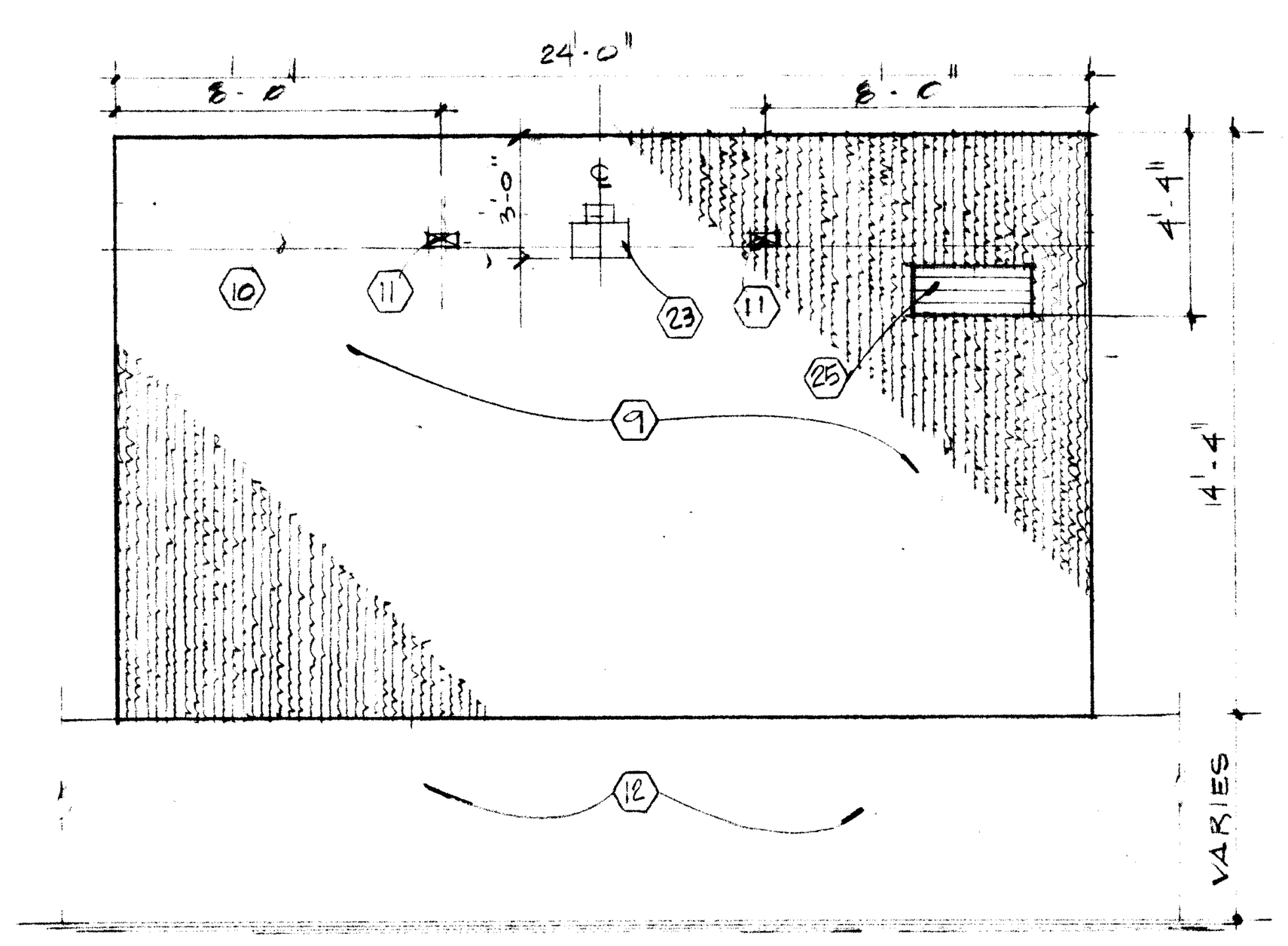
NORTH



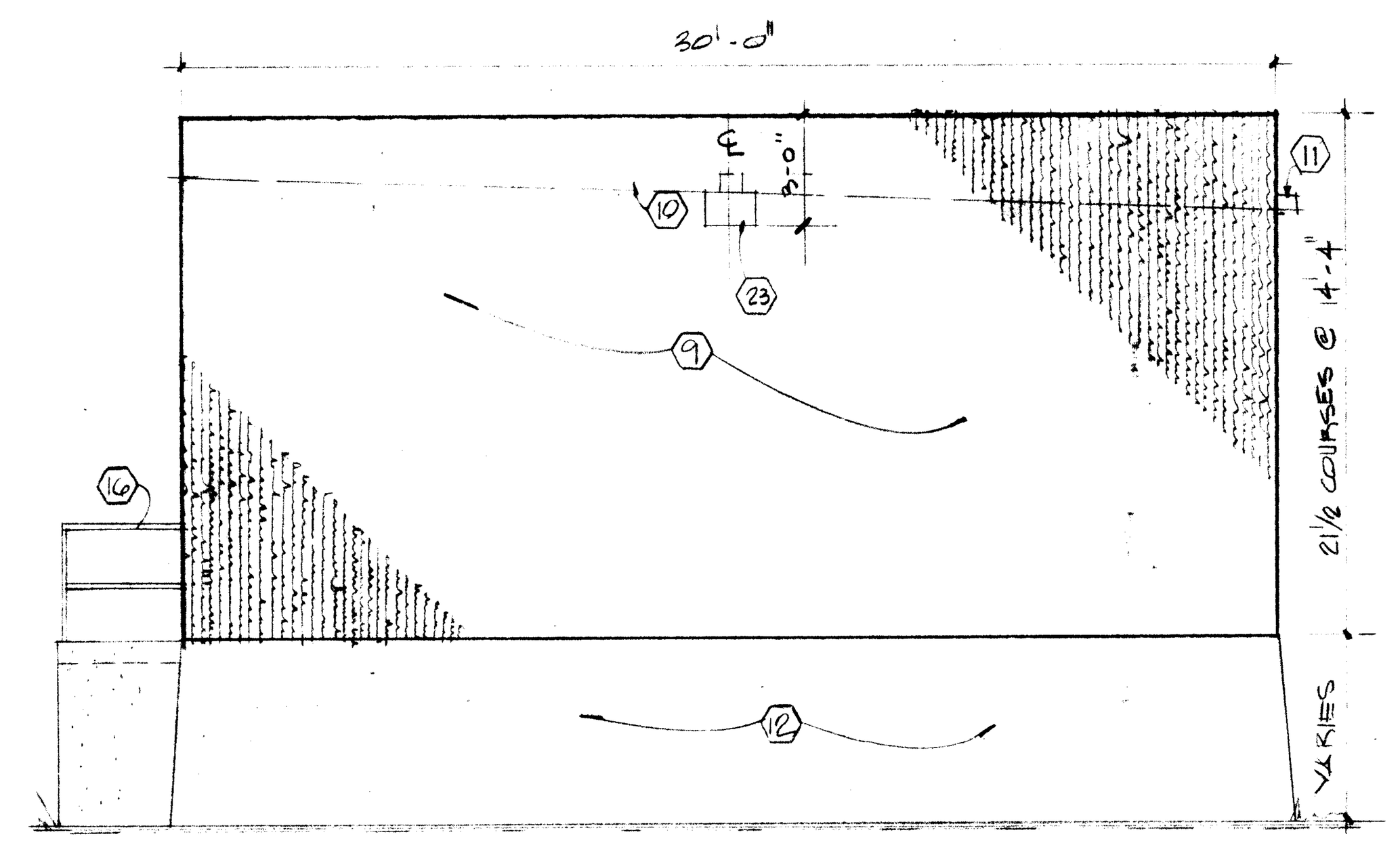
NORTH ELEVATION
SCALE: 1/4" = 1'-0"



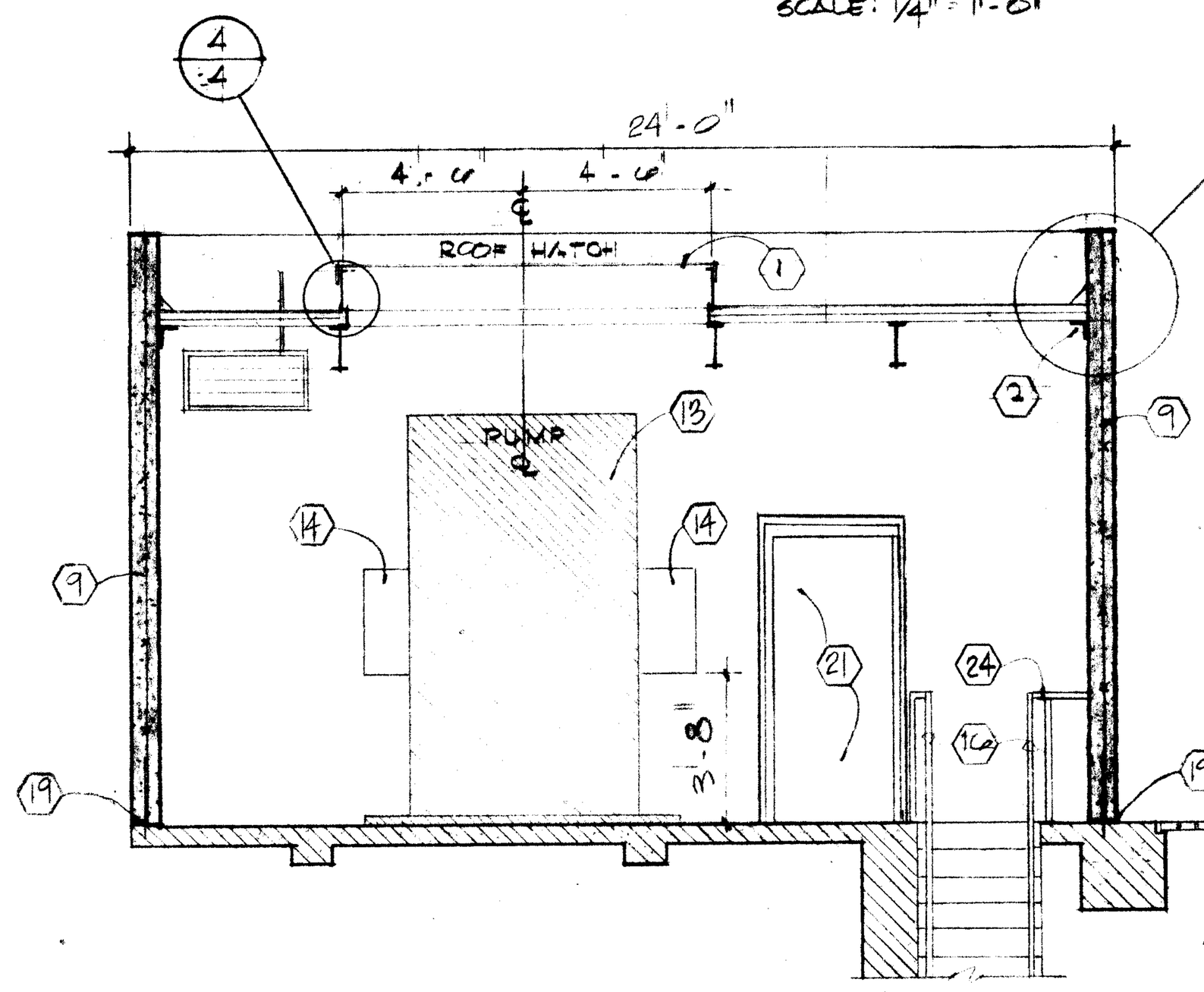
EAST ELEVATION
SCALE: 1/4" = 1'-0"



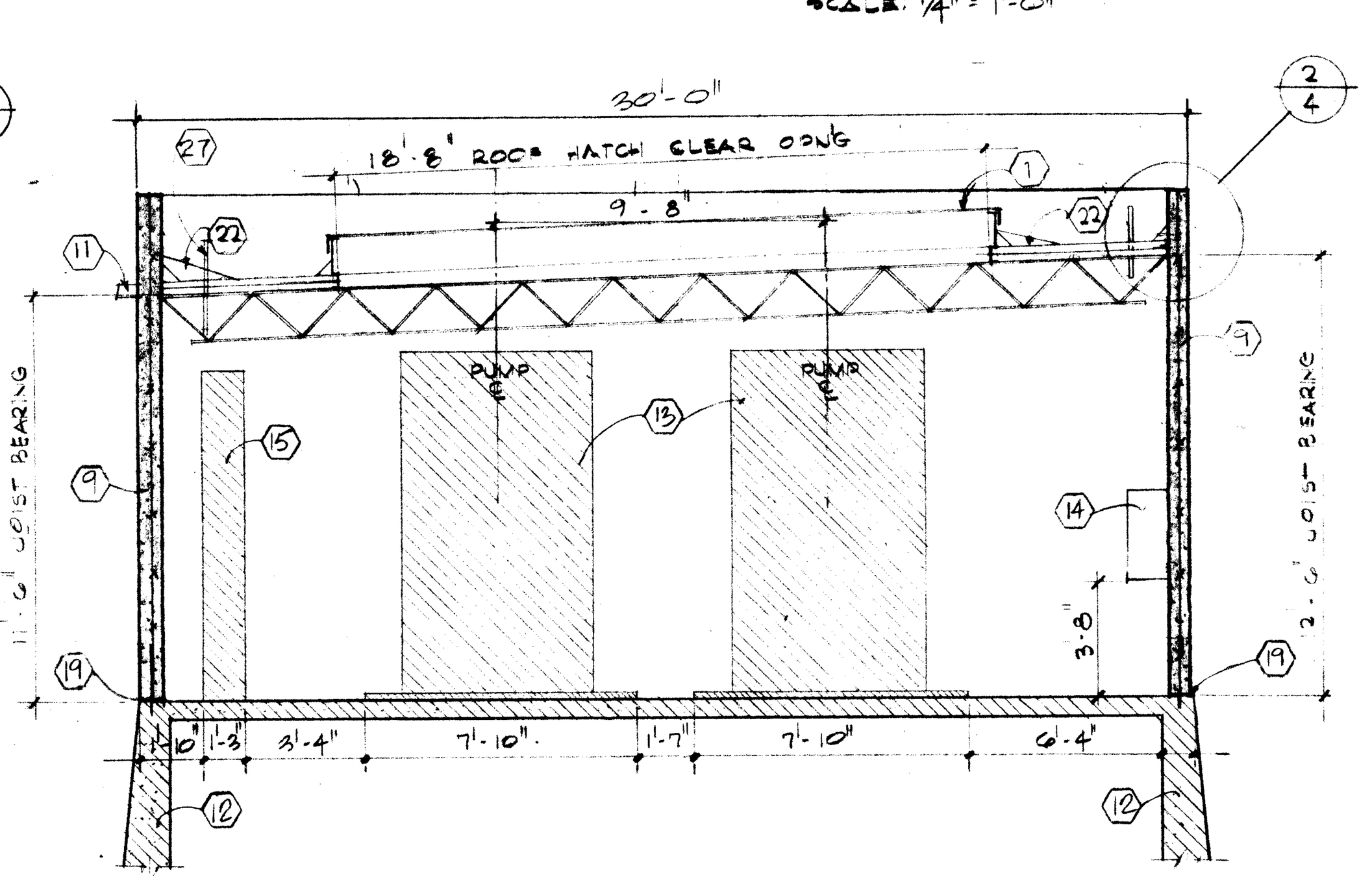
SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



BUILDING SECTION (A/3)
SCALE: 1/4" = 1'-0"



BUILDING SECTION (B/3)
SCALE: 1/4" = 1'-0"

KEYED NOTES

1. ROOF HATCH MIN. CLEAR OPENING 6'-0" X 18'-8". SEE ENLARGED PLAN ON SHEET 4.
2. STEEL ANGLE 2-1/2" X 2-1/2" X 1/4", CONT. W/ 1/2" DIA. EXPANSION ANCHORS @ 2'-0" O.C.
3. BRIDGING @ 1/4 POINTS STEEL ANGLE 1 X 1 X 1/8. ATTACH AT ENDS TO WALL W/ CLIP ANGLES AND 1/2" DIA. EXPANSION ANCHORS. CUT BRIDGING BELOW HATCHES AFTER METAL DECKING AND HATCHES ARE COMPLETELY INSTALLED.
4. 24 GA. CORRUGATED METAL VENTED DECK. ATTACH TO JOISTS W/ 1/2" DIA. PUDDLE WELDS @ 2'-0" O.C.
5. 2-1/2" CONC. SLAB W/ 6 X 6 X W2.9 X W2.9 WWF. POSITION AT CENTER OF SLAB ± 1/2".
6. 90# MINERAL SURFACE ROLL ROOFING OVER ONE PLY VENTED BASE SHEET AND TWO PLYS OF 15# FELT. SEE SPECIFICATIONS.
7. STEEL ANGLE 3-1/2" X 2-1/2" X 1/4".
8. 16H8 OPEN WEB STEEL JOISTS W/ HOT ROLLED CHORDS.
9. 8" CAST-IN-PLACE CONC. WALLS W/ 6 X 3 X W5 X W5 WWF, CENTER IN WALL ± 1/2" (3" BETWEEN HORIZ. BARS AND 6" BETWEEN VERTICAL BARS). ALT. REINFORCEMENT: #4 BARS VERTICAL @ 18" O.C. AND #4 BARS HORIZONTAL @ 12" O.C. TEXTURE EXTERIOR OF WALL BY USING A FORM LINER. BURKE, PATTERN NO. BG312 OR APPROVED EQUAL.
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16. EXISTING RAILING TO REMAIN.
17. EXISTING STAIRS TO REMAIN.
18. ROOF OPENING FOR SUMP PUMP EXTRACTION. SEE DTL. 8/4.
19. REMOVE EXISTING CAST-IN-PLACE 6" HIGH CONCRETE CURB. PREPARE SURFACE TO RECEIVE CONCRETE WALL. FURNISH AND INSTALL #5 DOWELS X 24" LONG @ 2'-0" O.C. W/ 6" EMBEDMENT. SET IN EPOXY.
20. REUSE EXISTING FIVE LIGHT FIXTURES AND INSTALL IN GENERAL LOCATIONS AS SHOWN.
21. 3'-0" X 7'-0" DOOR. SEE DETAIL 7/4 W/ HARDWARE. SEE SPECIFICATIONS. CAST FRAMES IN CONCRETE.
22. ROOF CRICKET CONSTRUCTED USING RIGID INSULATION BOARD.
23. HIGH PRESSURE SODIUM WALL MOUNTED, 150 WATT, 120 VOLTS, BENJAMIN, CATALOG NO. OWW-150-120HX W/ PHOTO CELL-AUTOMATIC, CATALOG NO. OPC-120. LEXAN CLEAR DIFFUSER SHIELD, CATALOG NO. OWS-1 AND WIRE GUARD HEAVY-DUTY, CATALOG NO. OWG-1 OR APPROVED EQUAL. EMBED MOUNT AND LEAD CONDUIT IN CONCRETE WALL. PROVIDE PULL BOX AT INSIDE OF WALL AND PROVIDE CONDUIT AND WIRE TO NEAREST 120 VOLT SUPPLY. SURFACE MOUNT CONDUIT.
24. EXTEND HANDRAIL TO THE WALL. MATCH EXISTING RAILING.
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27. 3/4" DIA. X 24" LONG SCHEDULE 40 PIPE TO PENETRATE ROOF AND ROOF SLAB. MIN. HEIGHT ABOVE FINISH ROOF WILL BE 12". WELD THREE 1/2" DIA. X 4" LONG ANCHORS TO PIPE FOR EMBEDMENT INTO SLAB. THREAD AND CAP TOP OF PIPE.

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1	2	3	4	5	6	7	8	9	10	11	12
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APPROVED: ______________________
ENGINEERING DIVISION

DESIGN PROFESSIONALS, INC.
4301 CARLISLE BLVD. NE, ALBUQUERQUE, NM 87107
(505) 881-6336

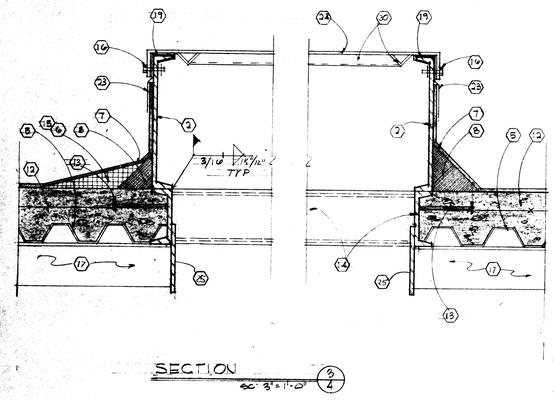
PROJECT TITLE:
CITY OF ALBUQUERQUE, N.M.
CANDELARIA AND DURANES
PUMP STATIONS RENOVATIONS

SHEET TITLE:
FLOOR PLAN
FRAMING PLAN
BLDG. ELEVS. & SECTS.
DURANES STATION

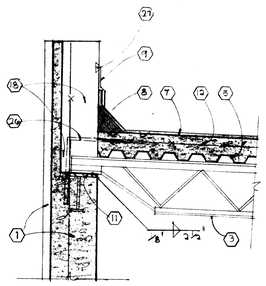
ENGINEERING DIVISION PROJECT NO. 1894

dpi
Drawn by: L.S. Proj. No: 8336
Checked by: R.H.A Date:
ARCHITECTS/ENGINEERS

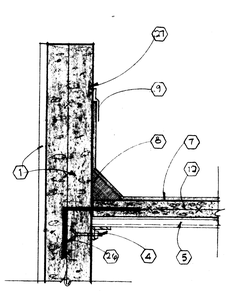
DRAWING 3
SHEET 3 OF 4



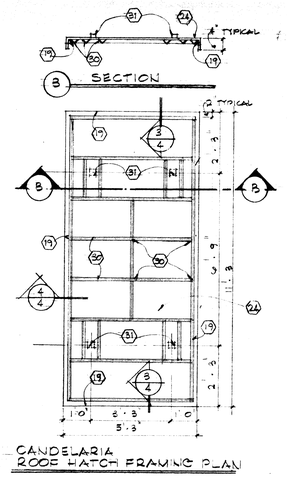
SECTION 3/4 — SC: 3"=1'-0"



PARTIAL SECTION 2/4 — SC: 1½"=1'-0"



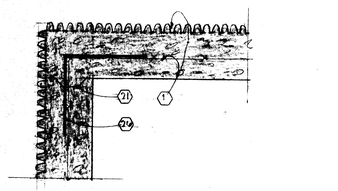
PARTIAL SECTION 1/4 — SC: 1½"=1'-0"



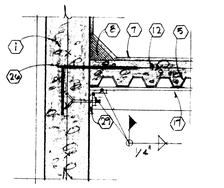
CANDELARIA ROOF HATCH FRAMING PLAN — SC ½"=1'-0"

KEYED NOTES:

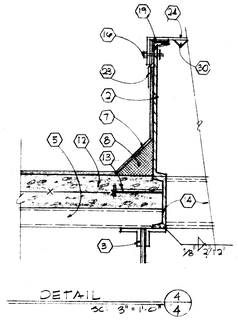
1. 8" CAST-IN-PLACE CONC. WALLS W/ 6 X 3 X W5 X W5 WWF, CENTER IN WALL ± 1/2". (8" BETWEEN HORIZ. BARS AND 6" BETWEEN VERTICAL BARS). ALT. REINFORCEMENT: #4 BARS VERTICAL @ 18" O.C. AND #4 BARS HORIZONTAL @ 12" O.C. FOR EXTERIOR FINISH USE TEXTURE FORM LINER. BURKE: BG312 OR APPROVED EQUAL.
2. MC10 X 8.4.
3. OPEN WEB STEEL JOISTS W/ HOT ROLLED CHORDS. SEE FRAMING PLAN FOR SIZE.
4. STEEL ANGLE 2-1/2" X 2-1/2" X 1/4" CONT. W/ 1/2" DIA. EXPANSION ANCHORS @ 2'-0" O.C.
5. 24 GA. CORRUGATED METAL FORM DECKING (VENTED). SECURE TO JOISTS W/ 1/2" DIA. PUDDLE WELDS @ 2'-0" O.C.
6. RIGID INSULATION.
7. 90# MINERAL SURFACE ROLL ROOFING OVER ONE PLY VENTED BASE SHEET AND TWO PLYS OF 15# FELT. SEE SPECIFICATIONS.
8. 3-1/2" X 3-1/2" CONT. FIBER CANT.
9. GALVANIZED SHEET METAL FLASHING.
10. SEALANT.
11. BEARING PLATE 4 X 6 X 3/8" W/ 2-5/8" DIA. X 6" LONG WELDED ANCHOR STUDS. TYP. EACH JOIST BEARING.
12. 2-1/2" CONC. SLAB W/ 6 X 6 X W2.9 X W2.9 WWF. POSITION AT CENTER OF SLAB ± 1/2".
13. 1/2" DIA. X 4" WELDED ANCHORS @ 2'-0" O.C.
14. C4 X 7.25.
15. CRICKET. SEE ROOF FRAMING PLANS FOR EXACT LOCATION
16. 1/2" DIA. BOLTS @ CORNERS AND @ 3'-0" O.C. MAX. PROVIDE HAIR PIN RETAINING CLIPS (9 GA. WIRE) **AND CASTLE NUTS INSIDE**
17. STEEL ANGLE 3-1/2" X 2-1/2" X 1/4".
18. JOIST BEARING POCKET. (EXTEND TO TOP OF PARAPET. FORM AND POUR WITH ROOF DECK AT HIGH SIDE ONLY).
19. 1" X 1/8" CONTINUOUS MOISTURE-PROOF GASKET BONDED TO HATCH COVER.
20. 1/8" STEEL PLATE, FILLET WELD EDGES 1" WELD PER 1'-0". PLUG WELD AT 1'-0" O.C. USING A 3/8" HOLE IN PLATE, THEN GRIND AND PAINT.
21. KEYED CONSTRUCTION JOINT AT WALL CORNERS.
22. HOLLOW METAL FRAME, CAST-IN-PLACE.
23. GALVANIZED METAL FLASHING. ATTACH TO INSIDE FLANGE ON CHANNEL AND SCREW TO OUTSIDE OF CHANNEL WEB.
24. REMOVABLE HATCH COVER, SHOP FABRICATE FROM 1/8" THICK STEEL PLATE. PROVIDE 4" FLANGE ALL AROUND AND WELD AT CORNERS. REINFORCE W/ 1 X 1 X 1/8" STEEL ANGLE AS INDICATED ON **HATCH FRAMING PLANS THIS SHEET**
25. 2-1/2" X 5" X 1/4" PLATE. ATTACH TO ITEM #17 W/ 1/4" FILLET WELD ALL AROUND THEN FIELD WELD TO ITEM #14 W/ 1/4" FILLET WELD ALL AROUND.
26. #4 DOWELS @ 12" O.C. MIN. EMBEDMENT LENGTH IS 12".
27. CAST-IN-PLACE REGLET, CONT.
28. PROVIDE 2-#5 TYP. AT ALL OPENINGS (HORIZ., VERT., AND DIAGONAL CORNERS). EXTEND AT LEAST 2'-0" BEYOND OPENING.
29. STEEL ANGLE 2-1/2" X 2-1/2" X 1/4" SIX INCHES LONG. ATTACH TO CONC. WALL W/ TWO 1/2" DIA. EXPANSION ANCHORS.
30. STEEL ANGLE 1" X 1" X 1/8". MITER DISCONTINUOUS ANGLE AND WELD TO CONTINUOUS ANGLE. WELD ALL ANGLES TO PLATE W/ 1/8" FILLET WELD 1-1/2" PER FOOT (TYP.)
31. SINGLE SWIVEL LIFTING EYE. MIN. CAPACITY 1000 LB. ATTACH TO HATCH COVER TO ENSURE A WATERTIGHT SEAL.
32. 1/2" DIA. X 4" WELDED ANCHORS, TWO EACH SIDE.
33. STRUCTURAL STEEL TUBING 12 X 12 X 1/4", 1'-8" LONG OR FABRICATE FROM 1/4" STEEL PLATE. WELD AND GRIND SEAM.
34. HATCH. FABRICATE FROM 1/8" THICK STEEL PLATE. PROVIDE 2" LIP ALL AROUND. BEND OR WELD AT CORNERS AND EDGES. PROVIDE TWO HANDLES FABRICATED FROM 3/8" DIA. STEEL ROD. THE HANDLES WILL BE 2" ABOVE THE HATCH COVER AND 6" LONG.
35. SIMILAR TO ITEM #16. PROVIDE TOTAL OF FOUR, TWO EACH ON OPPOSITE SIDES.
36. DRIP CAP. FABRICATE FROM 18 GA. GALVANIZED SHEET METAL. SPAN ENTIRE WIDTH OF CAST-IN-PLACE FRAME.



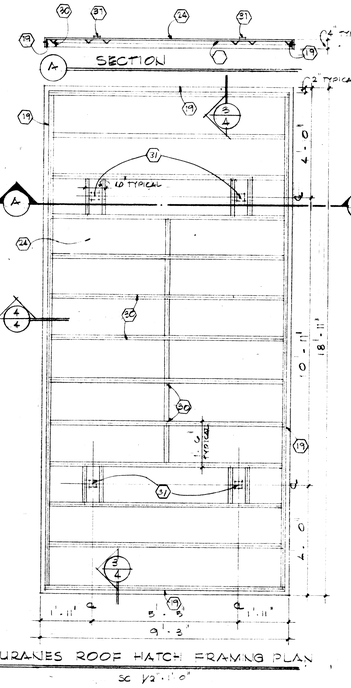
TYPICAL CORNER DETAIL 6/4 — SC: 1½"=1'-0"



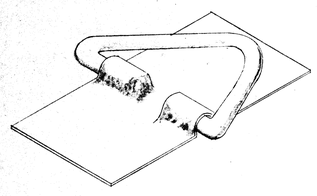
PARTIAL SECTION 5/4 — SC 1½"=1'-0"



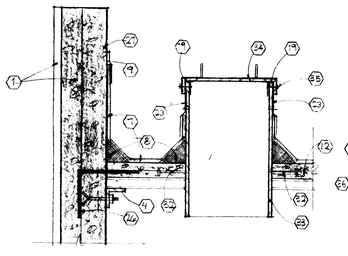
DETAIL 4/4 — SC: 3"=1'-0"



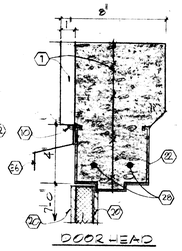
DURANES ROOF HATCH FRAMING PLAN — SC ½"=1'-0"



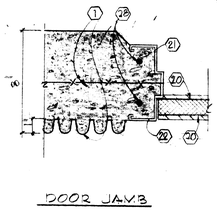
SINGLE SWIVEL LIFTING EYE (1000 LBS. CAPACITY) — NO SCALE 9/4



TYPICAL SUMP PUMP HATCH 8/4 — SC: 1½"=1'-0"



DOOR HEAD



DOOR JAMB

DETAIL 7/4 — SCALE: 3"=1'-0"

APPROVED :

ENGINEERING DIVISION

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DESIGN PROFESSIONALS, INC.
4001 CARLISLE BLVD. NE, ALBUQUERQUE, NM 87107

PROJECT TITLE:
CITY OF ALBUQUERQUE, N.M.
CANDELARIA AND DURANES PUMP STATIONS RENOVATIONS

SHEET TITLE:
SECTIONS & DETAILS

ENGINEERING DIVISION PROJECT NO. 1894

Drawn by: D.A. Proj. No. 8856
Checked by: R.L.A. Date: 11-16-85

DRAWING 4
SHEET 4 OF 4

ARCHITECTS/ENGINEERS