



# CITY OF ALBUQUERQUE NEW MEXICO

PUBLIC WORKS DEPARTMENT

LIQUID WASTE DIVISION

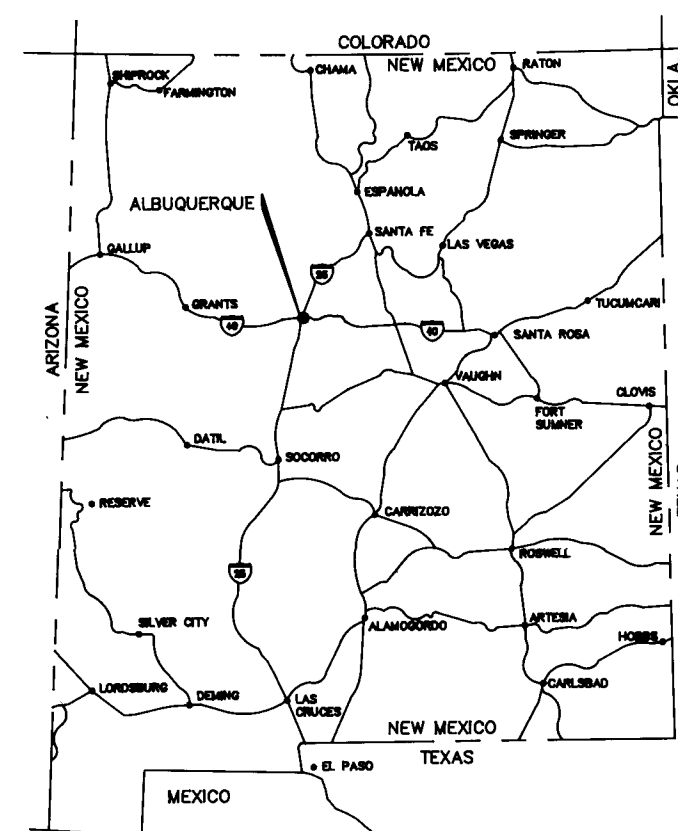
PLANS FOR CONSTRUCTION OF

## LAND APPLICATION FACILITIES AND ADMINISTRATION BUILDING

PHASE II B-3, CONTRACT 4

MARCH 1988

INDEX TO DRAWINGS



LOCATION MAP

APPROVED FOR CONSTRUCTION

*Gene Leyendecker*

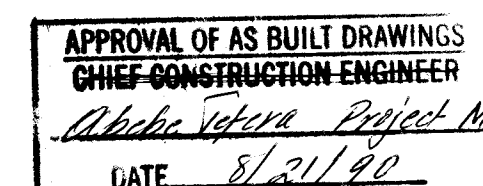
GENE LEYENDECKER, P.E.  
CHIEF UTILITY ENGINEER  
PUBLIC WORKS DEPT.

DATE 5/3/88

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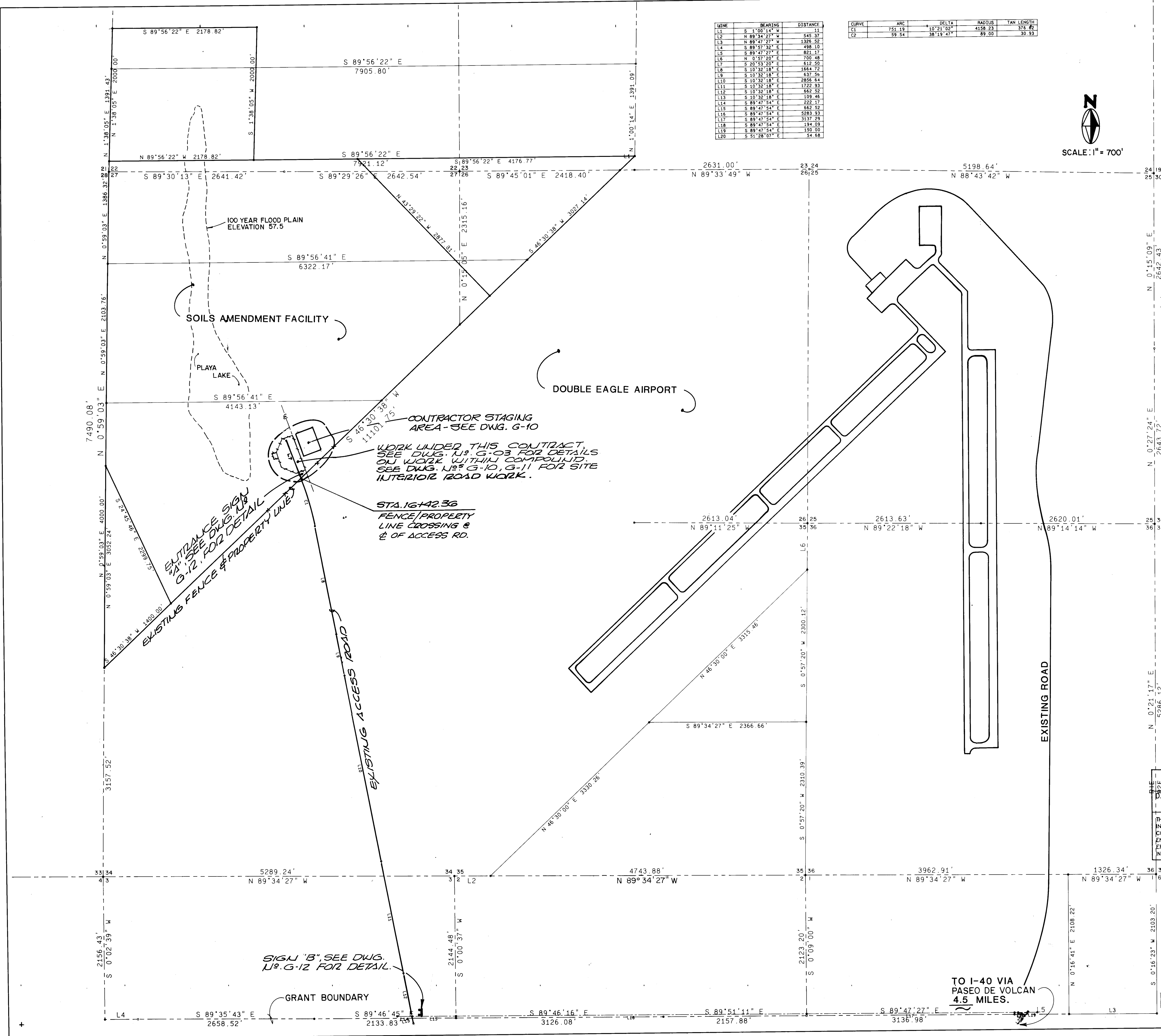
| NO. | SHEET                                                           |
|-----|-----------------------------------------------------------------|
| 27. | A-04 VEHICLE GARAGE ROOF PLAN & REFLECTED CEILING PLAN          |
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26 38 48 01 89



| RECORD DRAWING                                                                                                                                                                                                                                 |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| DATE: 4-17-89                                                                                                                                                                                                                                  | DRAFTED BY: MCA |
| THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. |                 |

|                                                                                                                                                                                 |      |         |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|----|
| NO.                                                                                                                                                                             | DATE | REMARKS | BY |
| REVISIONS                                                                                                                                                                       |      |         |    |
|  CITY OF ALBUQUERQUE, NEW MEXICO<br>SOILS AMENDMENT FACILITIES<br>PHASE II B-3, CONTRACT 4 |      |         |    |
|  MOLZEN-CORBIN<br>STANLEY CONSULTANTS<br>A JOINT VENTURE                                   |      |         |    |
|                                                                                            |      |         |    |
| SH. 1. G-01                                                                                                                                                                     |      |         |    |



| CURVE | ARC    | DELTA     | RADIUS  | TAN LENGTH |
|-------|--------|-----------|---------|------------|
| C1    | 751.19 | 10°21'02" | 4158.23 | 376.82     |
| C2    | 59.54  | 38°19'47" | 89.00   | 30.93      |

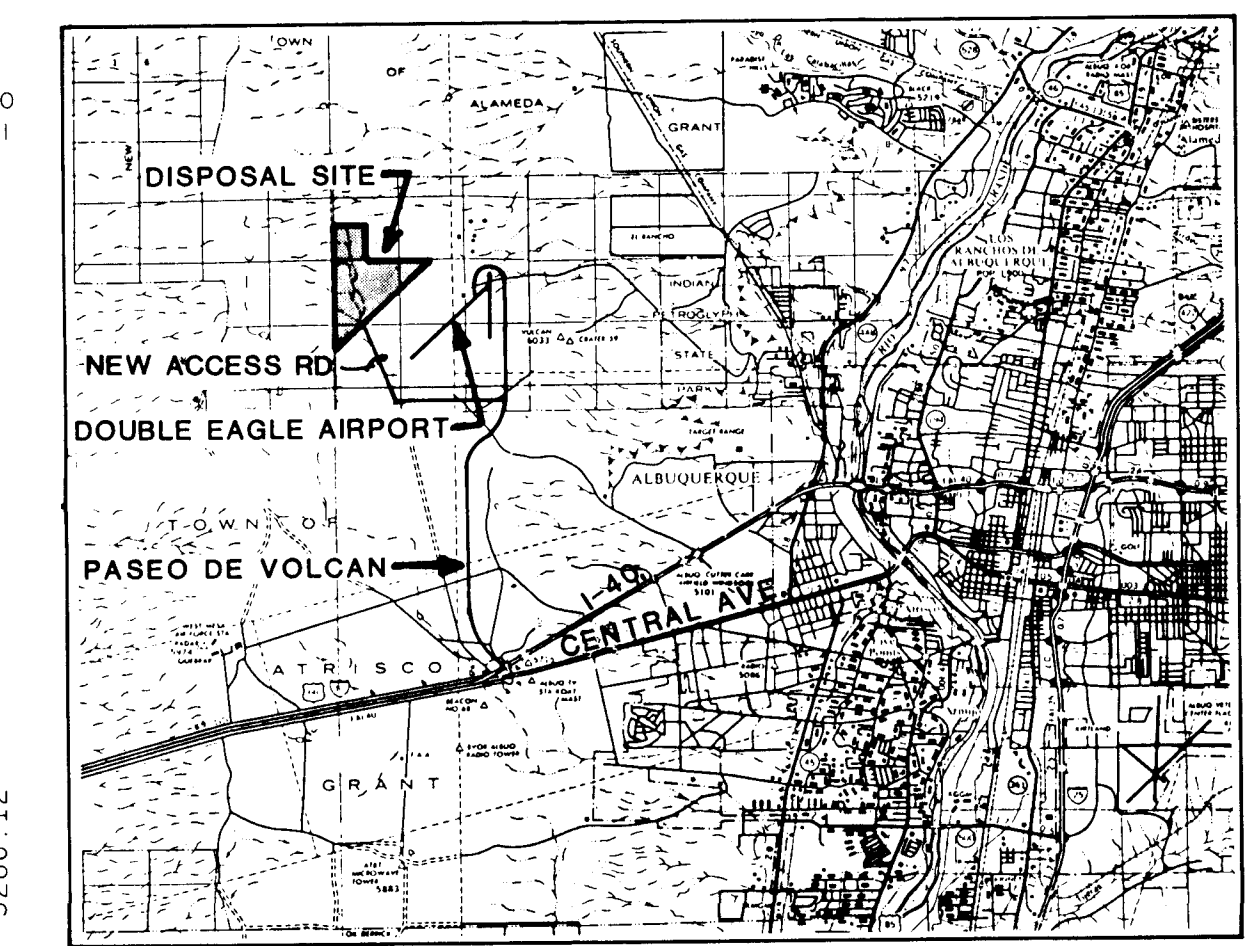
| LINE | BEARING       | DISTANCE |
|------|---------------|----------|
| L1   | S 1°00'14" W  | 11.11    |
| L2   | N 89°34'27" W | 545.37   |
| L3   | N 89°47'27" W | 1326.32  |
| L4   | S 89°57'39" E | 498.10   |
| L5   | S 89°47'27" E | 821.17   |
| L6   | N 0°57'20" E  | 700.48   |
| L7   | S 0°53'20" E  | 615.50   |
| L8   | S 10°32'18" E | 1644.72  |
| L9   | S 10°32'18" E | 637.54   |
| L10  | S 10°32'18" E | 2856.64  |
| L11  | S 10°32'18" E | 1722.93  |
| L12  | S 10°32'18" E | 462.52   |
| L13  | S 10°32'18" E | 109.46   |
| L14  | S 89°47'54" E | 222.17   |
| L15  | S 89°47'54" E | 462.52   |
| L16  | S 89°47'54" E | 5283.93  |
| L17  | S 89°47'54" E | 3137.29  |
| L18  | S 89°47'54" E | 134.09   |
| L19  | S 89°47'54" E | 150.00   |
| L20  | S 51°28'07" E | 54.58    |

BUILDING CRITERIA  
PROJECT: SOILS AMENDMENT FACILITY  
OWNER: CITY OF ALBUQUERQUE

BUILDING DATA: ADMINISTRATION BUILDING & VEHICLE GARAGE  
ADDRESS: Albuquerque's West Mesa between Shooting Range Park and the Double Eagle Airport  
LEGAL DESCRIPTION: Section 27 TWP 11N R1E  
ZONING ATLAS PAGES: E4-E6 & F4 to F6  
ZONING CLASSIFICATION: R0-1  
SEISMIC ZONE: 2  
PARKING SPACES REQUIRED: NA  
PARKING SPACES PROVIDED: 12 Typical  
TOTAL: 14 Spaces

BUILDING "A" - ADMINISTRATION BUILDING  
BUILDING TYPE: OFFICE  
CONSTRUCTION TYPE: VN  
OCCUPANT LOAD: 14  
OCCUPANCY GROUP(S): E2  
NUMBER OF FLOORS: 1  
GROSS AREA: 1,384 sf  
REQUIRED EXIT WIDTH: .288 ft. (14/50)  
PROVIDED EXIT WIDTH: 6 ft.  
REQUIRED NUMBER OF EXITS: 1  
PROVIDED NUMBER OF EXITS: 2  
BUILDING HEIGHT ABOVE GRADE: 12'-8"

BUILDING "B" - VEHICLE GARAGE  
BUILDING TYPE: REPAIR GARAGE  
CONSTRUCTION TYPE: VN  
OCCUPANT LOAD: 35  
OCCUPANCY GROUP(S): H4 (UBC 503 A 2.b eliminates the need for occupancy separation between shop & offices/lunchroom)  
NUMBER OF FLOORS: 1  
GROSS AREA: 3,440 sf  
REQUIRED EXIT WIDTH: .70 ft. (35/50)  
PROVIDED EXIT WIDTH: 15 ft.  
REQUIRED NUMBER OF EXITS: 2  
PROVIDED NUMBER OF EXITS: 4  
BUILDING HEIGHT ABOVE GRADE: 24'-8"



RECORD DRAWING  
DATE: 4-17-89  
DRAFTED BY: MCA

CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
LIQUID WASTE DIVISION

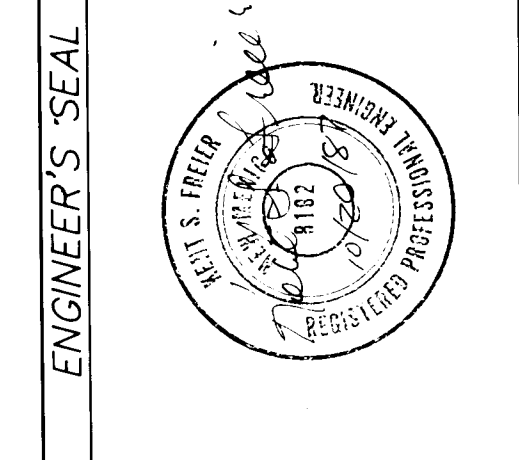
TITLE: VICINITY & LOCATION MAP

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.—Design    |          |      | Traffic      |          |      |
| A.C.E.—Hydrology |          |      | Water        |          |      |

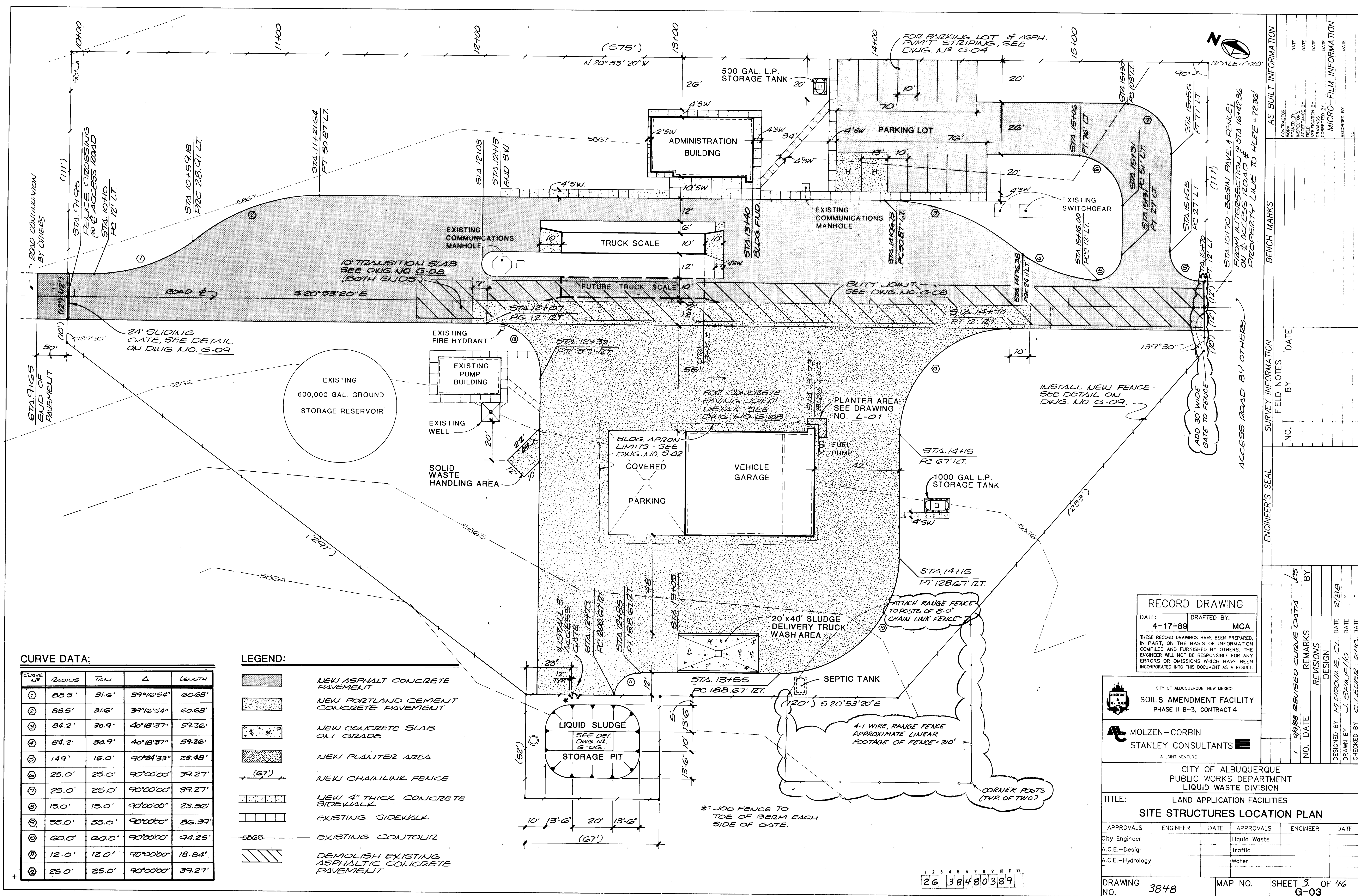
DRAWING NO. 3848 MAP NO. SHEET 2 OF 46  
G-02

| AS BUILT INFORMATION   |      |
|------------------------|------|
| CONTRACTOR             | DATE |
| WORK                   | DATE |
| STAKE BY               | DATE |
| ACCEPTANCE BY          | DATE |
| REVISION BY            | DATE |
| DRAWINGS               | DATE |
| CHECKED BY             | DATE |
| RECORDED BY            | DATE |
| MICRO-FILM INFORMATION |      |
| DATE                   | DATE |

| SURVEY INFORMATION |      |
|--------------------|------|
| FIELD NOTES        | DATE |
| BY                 | DATE |
| NO.                | DATE |



| ENGINEER'S SEAL      |           |
|----------------------|-----------|
| REMARKS              | BY        |
| REVISIONS            | DATE      |
| DESIGN               | DATE      |
| DESIGNED BY C. LEDEZ | DATE 2/88 |
| DRAWN BY J. SPINER   | DATE      |
| CHECKED BY C. LEDEZ  | DATE      |



CURVE DATA:

| CURVE NO. | RADIUS | TANG  | Δ         | LENGTH |
|-----------|--------|-------|-----------|--------|
| 1         | 88.5'  | 31.6' | 39°16'54" | 60.68' |
| 2         | 88.5'  | 31.6' | 39°16'54" | 60.68' |
| 3         | 84.2'  | 30.9' | 40°18'37" | 59.26' |
| 4         | 84.2'  | 30.9' | 40°18'37" | 59.26' |
| 5         | 149'   | 15.0' | 90°34'33" | 23.48' |
| 6         | 25.0'  | 25.0' | 90°00'00" | 39.27' |
| 7         | 25.0'  | 25.0' | 90°00'00" | 39.27' |
| 8         | 15.0'  | 15.0' | 90°00'00" | 23.56' |
| 9         | 55.0'  | 55.0' | 90°00'00" | 86.39' |
| 10        | 60.0'  | 60.0' | 90°00'00" | 94.25' |
| 11        | 12.0'  | 12.0' | 90°00'00" | 18.84' |
| 12        | 25.0'  | 25.0' | 90°00'00" | 39.27' |

LEGEND:

- NEW ASPHALT CONCRETE PAVEMENT
- NEW PORTLAND CEMENT CONCRETE PAVEMENT
- NEW CONCRETE SLAB ON GRADE
- NEW PLANTER AREA
- NEW CHAINLINK FENCE
- NEW 4" THICK CONCRETE SIDEWALK
- EXISTING SIDEWALK
- EXISTING CONTOUR
- DEMOLISH EXISTING ASPHALTIC CONCRETE PAVEMENT

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4  
MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

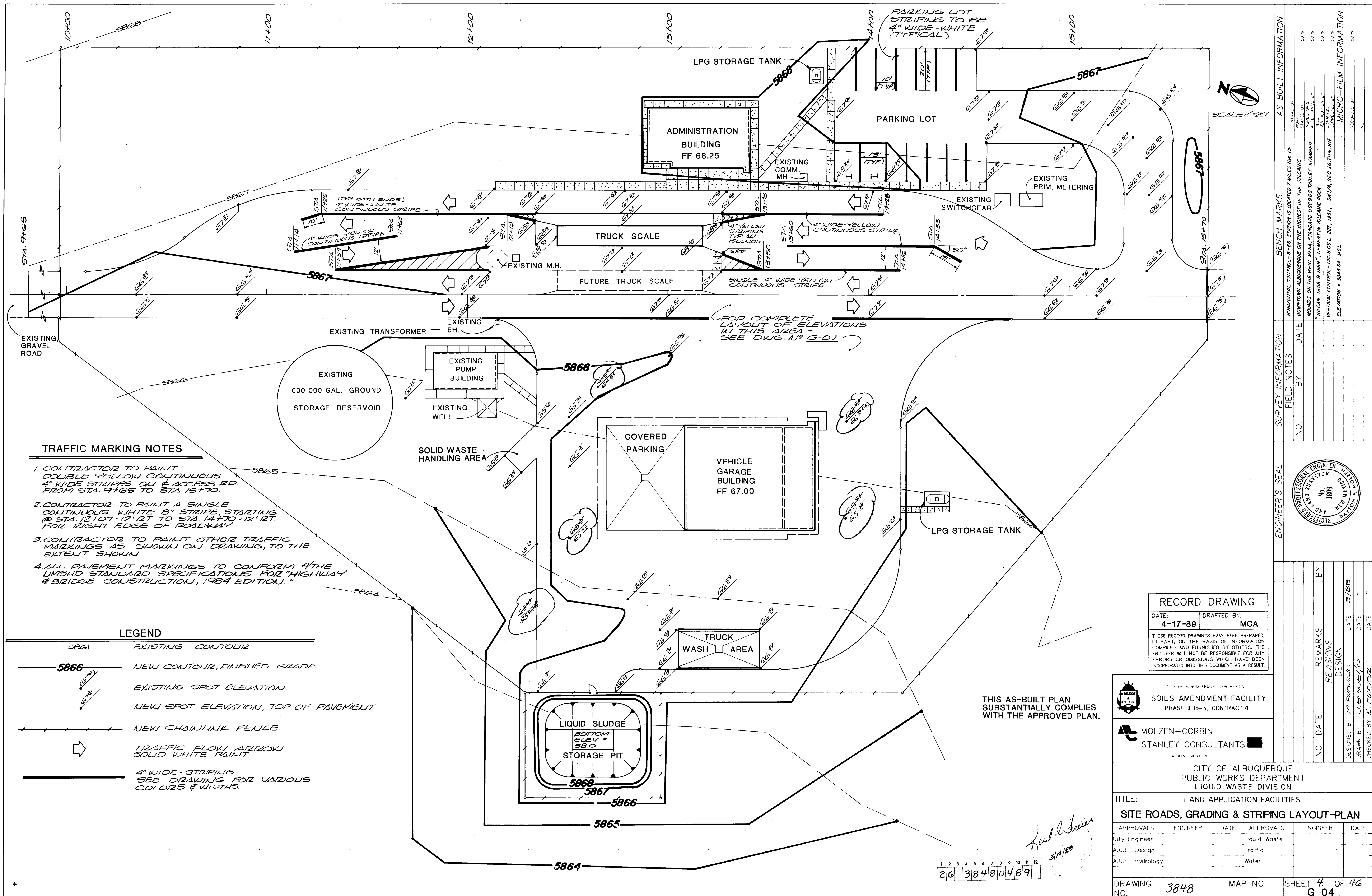
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
LIQUID WASTE DIVISION

TITLE: LAND APPLICATION FACILITIES  
SITE STRUCTURES LOCATION PLAN

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 3 OF 46  
G-03

|                      |      |             |          |                    |          |                 |          |           |          |        |          |
|----------------------|------|-------------|----------|--------------------|----------|-----------------|----------|-----------|----------|--------|----------|
| AS BUILT INFORMATION |      | BENCH MARKS |          | SURVEY INFORMATION |          | ENGINEER'S SEAL |          | REVISIONS |          | DESIGN |          |
| CONTRACTOR           | DATE | STATION     | DATE     | NO.                | DATE     | NO.             | DATE     | NO.       | DATE     | NO.    | DATE     |
| STANLEY CONSULTANTS  |      | 1           | 9/9/88   | 1                  | 9/9/88   | 1               | 9/9/88   | 1         | 9/9/88   | 1      | 9/9/88   |
| STANLEY CONSULTANTS  |      | 2           | 10/10/88 | 2                  | 10/10/88 | 2               | 10/10/88 | 2         | 10/10/88 | 2      | 10/10/88 |
| STANLEY CONSULTANTS  |      | 3           | 11/11/88 | 3                  | 11/11/88 | 3               | 11/11/88 | 3         | 11/11/88 | 3      | 11/11/88 |
| STANLEY CONSULTANTS  |      | 4           | 12/12/88 | 4                  | 12/12/88 | 4               | 12/12/88 | 4         | 12/12/88 | 4      | 12/12/88 |
| STANLEY CONSULTANTS  |      | 5           | 1/1/89   | 5                  | 1/1/89   | 5               | 1/1/89   | 5         | 1/1/89   | 5      | 1/1/89   |
| STANLEY CONSULTANTS  |      | 6           | 2/2/89   | 6                  | 2/2/89   | 6               | 2/2/89   | 6         | 2/2/89   | 6      | 2/2/89   |
| STANLEY CONSULTANTS  |      | 7           | 3/3/89   | 7                  | 3/3/89   | 7               | 3/3/89   | 7         | 3/3/89   | 7      | 3/3/89   |
| STANLEY CONSULTANTS  |      | 8           | 4/4/89   | 8                  | 4/4/89   | 8               | 4/4/89   | 8         | 4/4/89   | 8      | 4/4/89   |
| STANLEY CONSULTANTS  |      | 9           | 5/5/89   | 9                  | 5/5/89   | 9               | 5/5/89   | 9         | 5/5/89   | 9      | 5/5/89   |
| STANLEY CONSULTANTS  |      | 10          | 6/6/89   | 10                 | 6/6/89   | 10              | 6/6/89   | 10        | 6/6/89   | 10     | 6/6/89   |
| STANLEY CONSULTANTS  |      | 11          | 7/7/89   | 11                 | 7/7/89   | 11              | 7/7/89   | 11        | 7/7/89   | 11     | 7/7/89   |
| STANLEY CONSULTANTS  |      | 12          | 8/8/89   | 12                 | 8/8/89   | 12              | 8/8/89   | 12        | 8/8/89   | 12     | 8/8/89   |



TRAFFIC MARKING NOTES

1. CONTRACTOR TO PAINT DOUBLE YELLOW CONTINUOUS 4" WIDE STRIPES ON E ACCESS RD. FROM STA. 9+65 TO STA. 15+70.
2. CONTRACTOR TO PAINT A SINGLE CONTINUOUS WHITE 8" STRIPE, STARTING @ STA. 12+07-12' RT TO STA. 14+70-12' RT. FOR RIGHT EDGE OF ROADWAY.
3. CONTRACTOR TO PAINT OTHER TRAFFIC MARKINGS AS SHOWN ON DRAWING, TO THE EXTENT SHOWN.
4. ALL PAVEMENT MARKINGS TO CONFORM WITH THE UMASHD STANDARD SPECIFICATIONS FOR "HIGHWAY & BRIDGE CONSTRUCTION", 1984 EDITION.

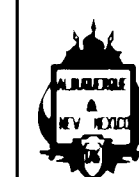
LEGEND

- 5861 EXISTING CONTOUR
- 5866 NEW CONTOUR, FINISHED GRADE
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION, TOP OF PAVEMENT
- NEW CHAINLINK FENCE
- TRAFFIC FLOW ARROW
- SOLID WHITE PAINT
- 4" WIDE STRIPING SEE DRAWING FOR VARIOUS COLORS & WIDTHS.

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4



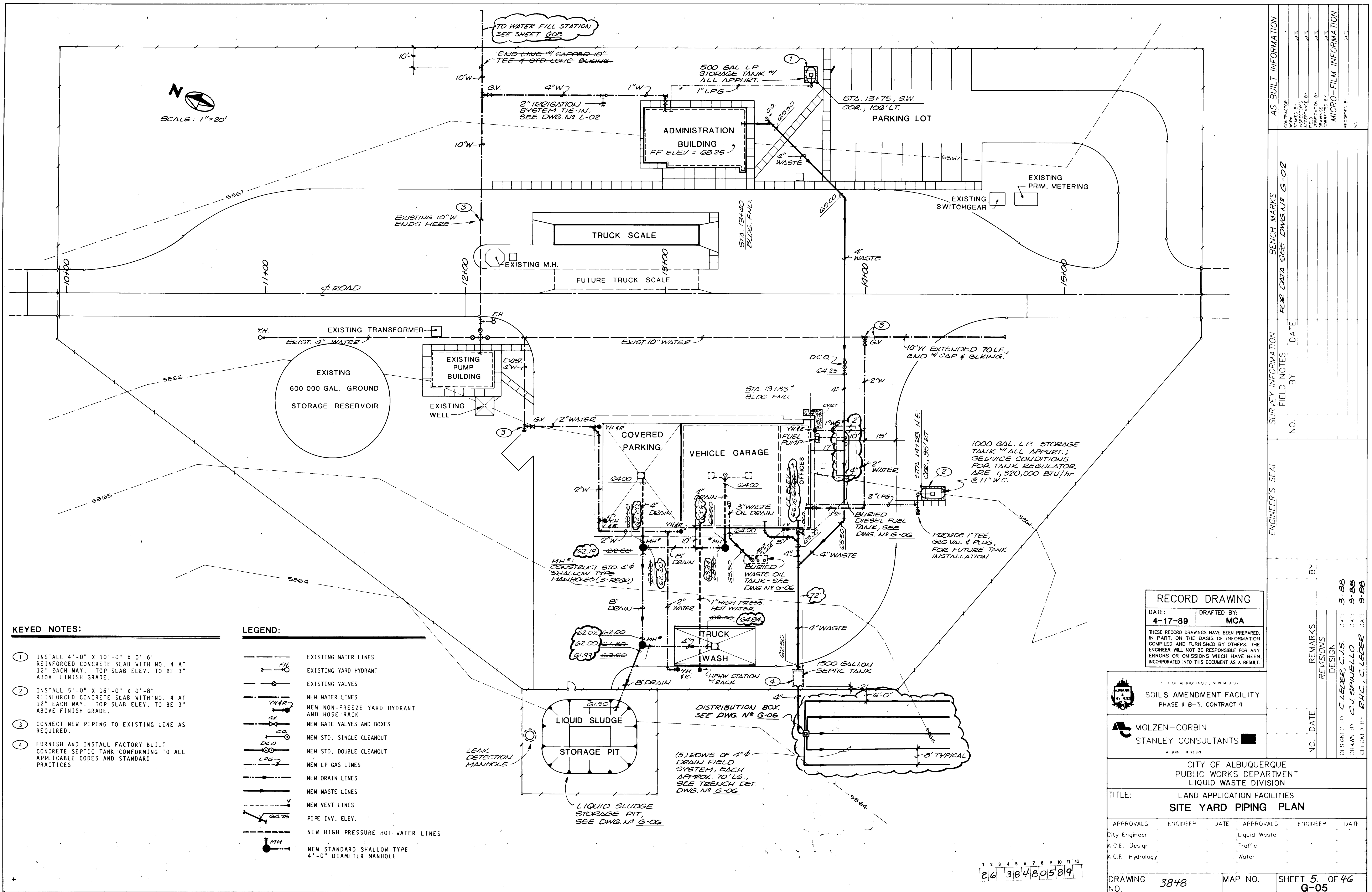
MOLZEN-CORBIN  
STANLEY CONSULTANTS

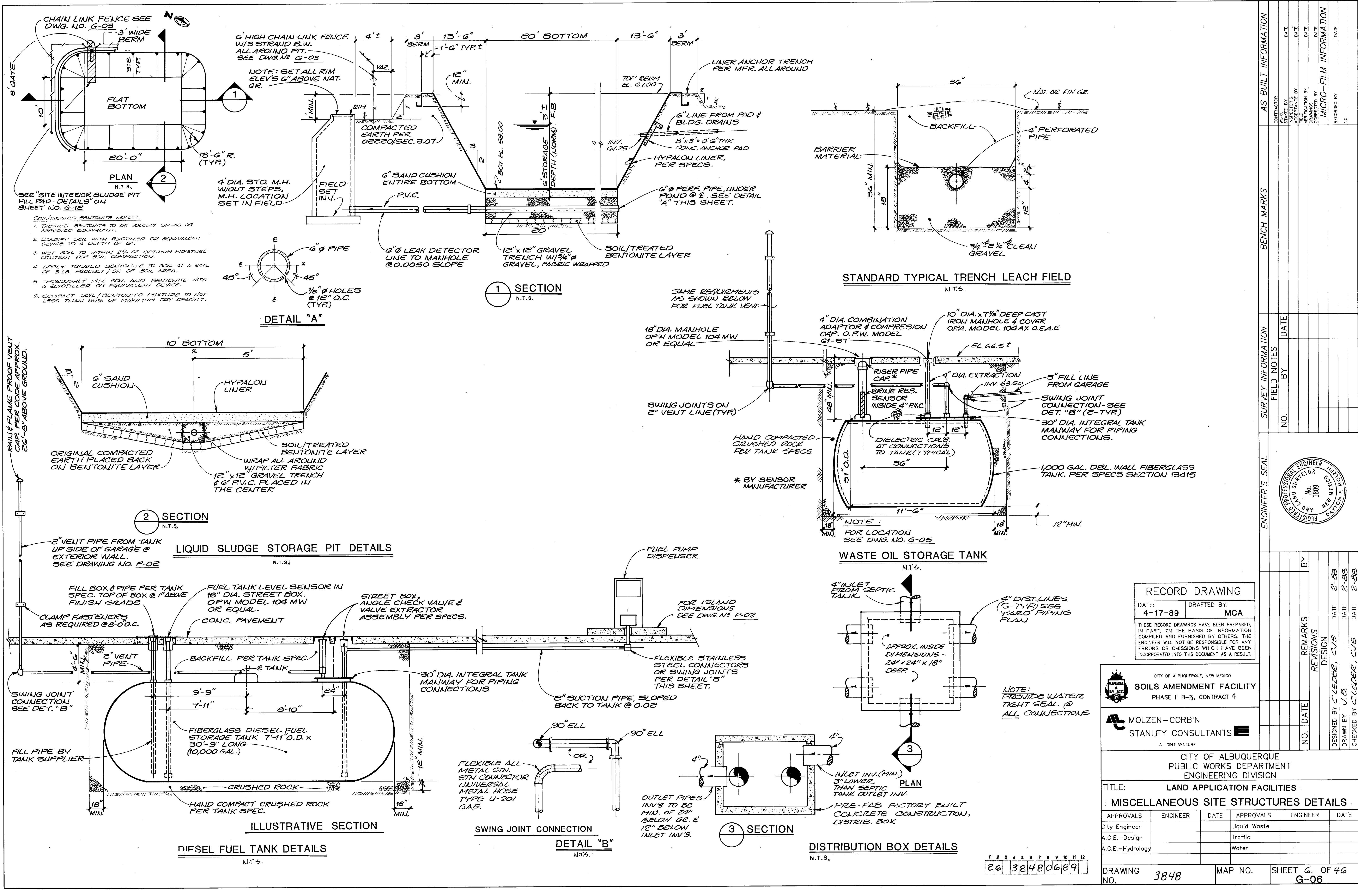
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
LIQUID WASTE DIVISION

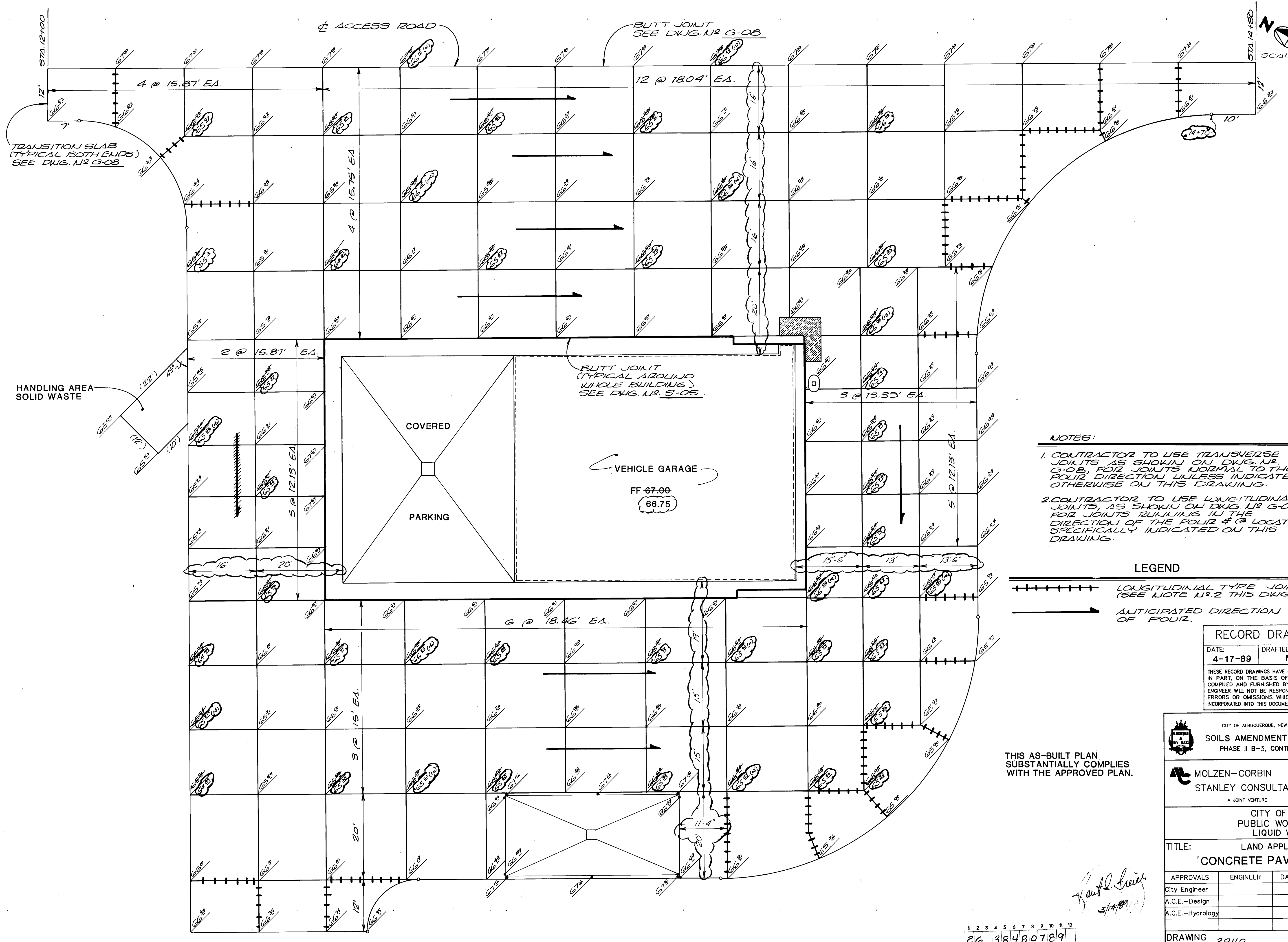
TITLE: LAND APPLICATION FACILITIES  
SITE ROADS, GRADING & STRIPING LAYOUT-PLAN

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 4 OF 46  
G-04







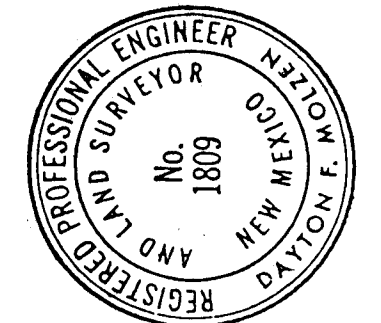
- NOTES:**
1. CONTRACTOR TO USE TRANSVERSE JOINTS AS SHOWN ON DWG. NO. G-08, FOR JOINTS NORMAL TO THE POUR DIRECTION UNLESS INDICATED OTHERWISE ON THIS DRAWING.
  2. CONTRACTOR TO USE LONGITUDINAL JOINTS, AS SHOWN ON DWG. NO. G-08, FOR JOINTS RUNNING IN THE DIRECTION OF THE POUR & @ LOCATIONS SPECIFICALLY INDICATED ON THIS DRAWING.

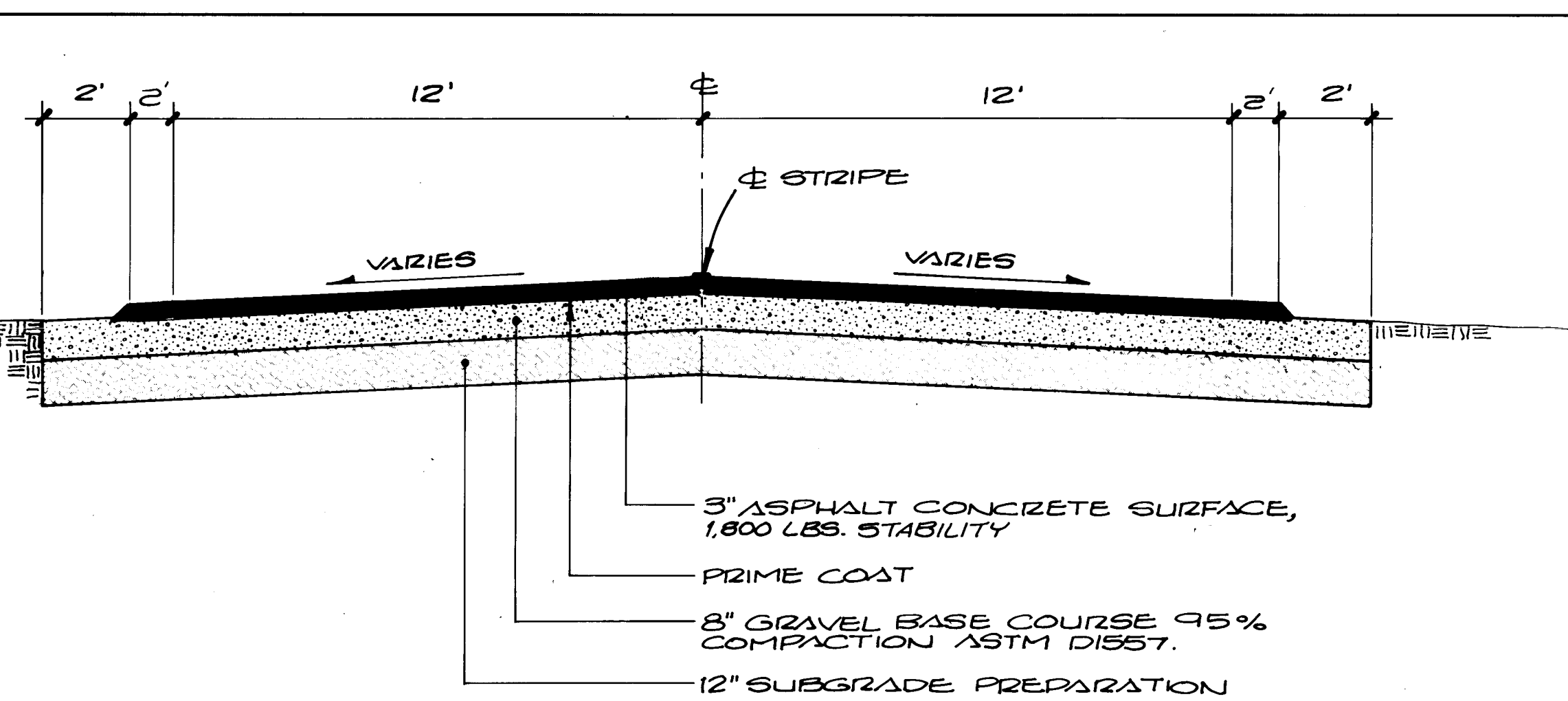
- LEGEND**
- LONGITUDINAL TYPE JOINT (SEE NOTE NO. 2 THIS DWG.)
  - ANTICIPATED DIRECTION OF POUR.

THIS AS-BUILT PLAN SUBSTANTIALLY COMPLIES WITH THE APPROVED PLAN.

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 07 89

*Paul L. Smith*  
3/14/89

| AS BUILT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                |            |      | BENCH MARKS |    |      | SURVEY INFORMATION |    |      | ENGINEER'S SEAL |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-------------|----|------|--------------------|----|------|-----------------|----|------|-----------------------|--|--|------|--|--|--|--|--|--|--|--|
| CONTRACTOR                                                                                                                                                                                                                                                                                                                                                                                                                                          | STAMPED BY | DATE | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |                       |  |  |      |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |      |             |    |      |                    |    |      |                 |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| <div><div></div><div><b>RECORD DRAWING</b><br/>DATE: 4-17-89<br/>DRAFTED BY: MCA<br/><small>THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.</small></div></div> |            |      |             |    |      |                    |    |      |                 |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| <div><div><b>CITY OF ALBUQUERQUE, NEW MEXICO</b><br/><b>SOILS AMENDMENT FACILITY</b><br/>PHASE II B-3, CONTRACT 4</div><div><b>MOLZEN-CORBIN</b><br/><b>STANLEY CONSULTANTS</b><br/><small>A JOINT VENTURE</small></div></div>                                            |            |      |             |    |      |                    |    |      |                 |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| <div><div><b>CITY OF ALBUQUERQUE</b><br/><b>PUBLIC WORKS DEPARTMENT</b><br/><b>LIQUID WASTE DIVISION</b></div><div><b>TITLE:</b><br/><b>LAND APPLICATION FACILITIES</b><br/><b>CONCRETE PAVEMENT JOINT DETAIL</b></div></div>                                                                                                                                                                                                                       |            |      |             |    |      |                    |    |      |                 |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| APPROVALS                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |      | ENGINEER    |    |      | DATE               |    |      | APPROVALS       |    |      | ENGINEER              |  |  | DATE |  |  |  |  |  |  |  |  |
| City Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |      |             |    |      |                    |    |      | Liquid Waste    |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| A.C.E.-Design                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |      |             |    |      |                    |    |      | Traffic         |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| A.C.E.-Hydrology                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |      |             |    |      |                    |    |      | Water           |    |      |                       |  |  |      |  |  |  |  |  |  |  |  |
| DESIGNED BY: M. PROVINE                                                                                                                                                                                                                                                                                                                                                                                                                             |            |      |             |    |      |                    |    |      |                 |    |      | DATE: 2/1/88          |  |  |      |  |  |  |  |  |  |  |  |
| DRAWN BY: J. SPAIN/10                                                                                                                                                                                                                                                                                                                                                                                                                               |            |      |             |    |      |                    |    |      |                 |    |      | DATE: " "             |  |  |      |  |  |  |  |  |  |  |  |
| CHECKED BY: K. FRIEDEL/12, 12/12/88                                                                                                                                                                                                                                                                                                                                                                                                                 |            |      |             |    |      |                    |    |      |                 |    |      | DATE: " "             |  |  |      |  |  |  |  |  |  |  |  |
| DRAWING NO. 3848                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |      |             |    |      | MAP NO.            |    |      |                 |    |      | SHEET 7 OF 46<br>G-07 |  |  |      |  |  |  |  |  |  |  |  |



SLOPE TO DRAIN PER GRADING  
PLAN SEE SHT. C-04

9" PORTLAND CEMENT CONCRETE PAVEMENT  
3500 PSI

12" SUBGRADE PREPARATION

**TYPICAL ROADWAY SECTION**  
N.T.S.

4" THICK CONCRETE SIDEWALK

8"

VARIES

6" GRAVEL BASE COURSE

12" SUBGRADE FILLER

EXISTING GROUND SURFACE

**TYPICAL SECTION THRU FILL STATION**

**NOTE:** SEE STANDARD DETAILS FOR VALVE

**CONCRETE BASE**

The diagram illustrates a cross-section of a fill station. Key features include:

- Cap PL**: 17'-0" wide at the top.
- EXIST FENCE LINE**: Indicated by a dashed line on the left.
- LR ELL TYP-2**: Located near the fence line.
- GATE VALVE**: A circular feature with a "GATE VALVE" label and a note: "10\"X10' L.G. STUB W/ B.V. BOX, POSITION IND. & BLIND FLG., FOR FUTURE SAF EXTENSION".
- 8\"STL PIPE**: Vertical pipe structure.
- CONC. BASE**: Concrete base for the pipe.
- ALL EDGES FIN. SLAB ELEV. 5868.00'**: Note indicating finished slab elevation.
- #4@12\"E.W. DOUB MAT**: Reinforcement mat.
- 8\" CONC SLAB**: Concrete slab above the mat.
- FILL W/BASE COURSE**: Fill material with base course.
- 12\" SUBGRADE PREP PER SEC. 02220 PAR. 3.07**: Subgrade preparation specification.
- WELDED STL (PER INDUST STD) WATER PIPE & BRACE ASSY**: Welded steel water pipe and brace assembly.
- GATE VALVE**: Another gate valve located lower down.
- 4\" & 8\" B.V. (BURIED SERVICE) W/BOXES**: Buried service pipes with boxes.
- 10\" FROM EXISTING 10\" LINE APPROX. 20' WEST**: Dimension from existing line.
- 10X8 RED**: Redwood dimension.
- 5 #4HOOPS HORIZ @ 12\" / #4@EA COR VERT (8 TOTAL)**: Horizontal reinforcement hoops.
- 2'-0\" SQ.**: Square area dimension.
- 4'-0\" x 4'-8\"**: Overall dimensions of the concrete base.
- #4@8\" EA WY**: Reinforcement bars per way.
- 3'-0\" ±**: Dimension from the centerline.
- 3'-0\"**: Additional dimension.
- 6'-0\"**, **8'-0\"**, **16'-9\"**: Various horizontal dimensions.
- 3'-0\"**, **4\"STL PIPE BRACE ASSY**: Dimensions and components for the upper structure.
- 8\" LR ELL DOWNSPOUT**: Downspout component.
- PAIN: SERVICE CONDITION A, COLOR SAFETY ORANGE**: Painting specification.
- VALVE OPER. W/ HANDWHEEL FOR BOTH VALVES**: Valve operation requirement.
- NEW TYP. CON SE**: Reference to new type construction section.

[illegible]

A cross-sectional diagram of a concrete slab and base course. The top layer is a concrete slab, 9" thick, labeled "9\" PCCP". It contains several small triangles representing aggregate. Below the slab is a base course, 8" thick, labeled "8\" BASE COURSE". The base course is shown in two sections: a top section with a dark, textured pattern and a bottom section with a lighter, stippled pattern. A vertical line separates these two sections. The bottom section of the base course is labeled "S.P.". A horizontal line is drawn below the base course, also labeled "S.P.". A vertical line on the left side of the diagram indicates the edge of the slab.

NOTE: ALL SUBGRADE PREPARATION SHALL BE AS SPECIFIED  
IN SECTION 0220 PART 3.07

|                                                                                                                                                                                                                                                       |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| RECORD DRAWING                                                                                                                                                                                                                                        |                    |
| DATE:<br>4-17-89                                                                                                                                                                                                                                      | DRAFTED BY:<br>MCA |
| <p>THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.</p> |                    |



CITY OF ALBUQUERQUE, NEW MEXICO

**SOILS AMENDMENT FACILITY**

**PHASE II B-3, CONTRACT 4**

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**MOLZEN-CORBIN**

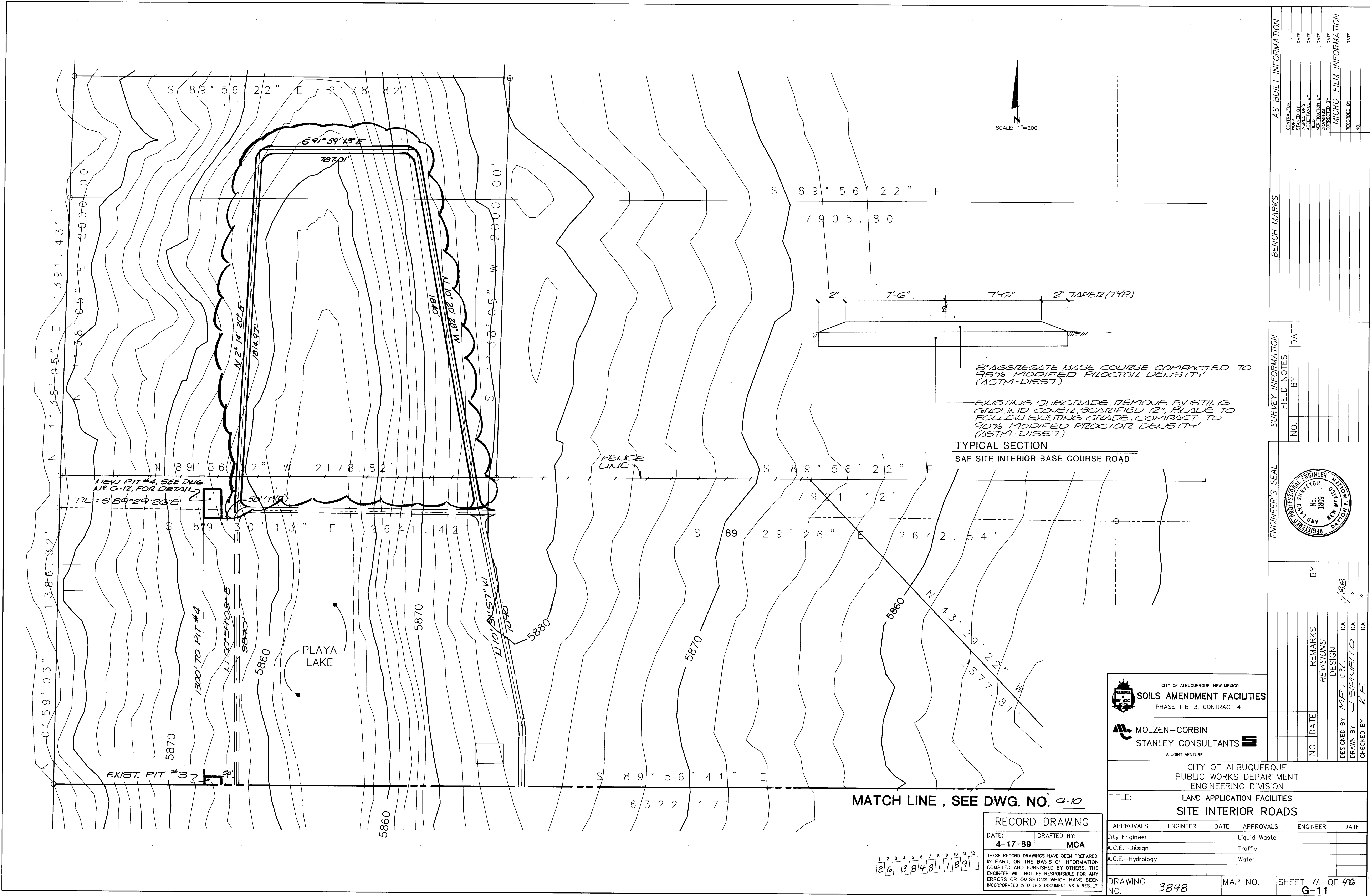
**STANLEY CONSULTANTS**

A JOINT VENTURE

|                                                                         |          |      |              |          |      |
|-------------------------------------------------------------------------|----------|------|--------------|----------|------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>LIQUID WASTE DIVISION |          |      |              |          |      |
| TITLE: LAND APPLICATION FACILITIES                                      |          |      |              |          |      |
| MISCELLANEOUS PAVEMENT CONCRETE DETAILS                                 |          |      |              |          |      |
| APPROVALS                                                               | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
| City Engineer                                                           |          |      | Liquid Waste |          |      |
| A.C.E.—Design                                                           |          |      | Traffic      |          |      |
| A.C.E.—Hydrology                                                        |          |      | Water        |          |      |
|                                                                         |          |      |              |          |      |







CITY OF ALBUQUERQUE, NEW MEXICO  
**SOILS AMENDMENT FACILITIES**  
PHASE II B-3, CONTRACT 4

**MOLZEN-CORBIN**  
**STANLEY CONSULTANTS**  
A JOINT VENTURE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITIES  
SITE INTERIOR ROADS

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 11 OF 46  
G-11

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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| SURVEY INFORMATION |             | BENCH MARKS |     | AS-BUILT INFORMATION |                        |
|--------------------|-------------|-------------|-----|----------------------|------------------------|
| NO.                | FIELD NOTES |             | NO. | DATE                 | CONTRACTOR             |
|                    | BY          | DATE        |     |                      |                        |
|                    |             |             |     |                      | WORK                   |
|                    |             |             |     |                      | INSPECTED BY           |
|                    |             |             |     |                      | ACCEPTANCE BY          |
|                    |             |             |     |                      | DATE                   |
|                    |             |             |     |                      | TESTED BY              |
|                    |             |             |     |                      | VERIFICATION BY        |
|                    |             |             |     |                      | DATE                   |
|                    |             |             |     |                      | DRAWINGS               |
|                    |             |             |     |                      | CORRECTED BY           |
|                    |             |             |     |                      | DATE                   |
|                    |             |             |     |                      | MICRO-FILM INFORMATION |
|                    |             |             |     |                      | RECORDED BY            |
|                    |             |             |     |                      | DATE                   |
|                    |             |             |     |                      | NO.                    |

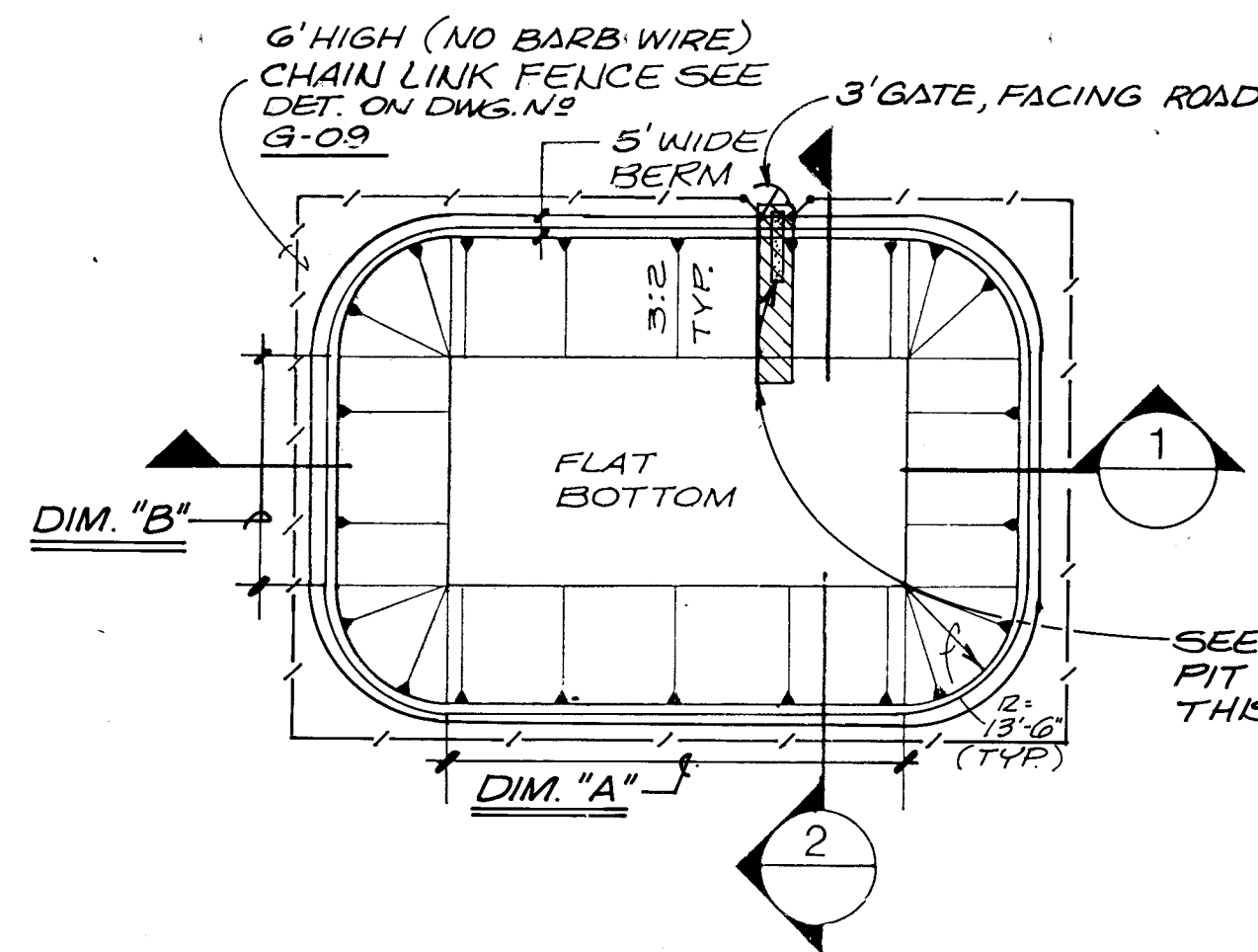
ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER  
AND LAND SURVEYOR  
No. 1889  
DAYTON, NEW MEXICO

REVISIONS

| NO. | DATE | REMARKS | BY |
|-----|------|---------|----|
| 1   |      | DESIGN  |    |

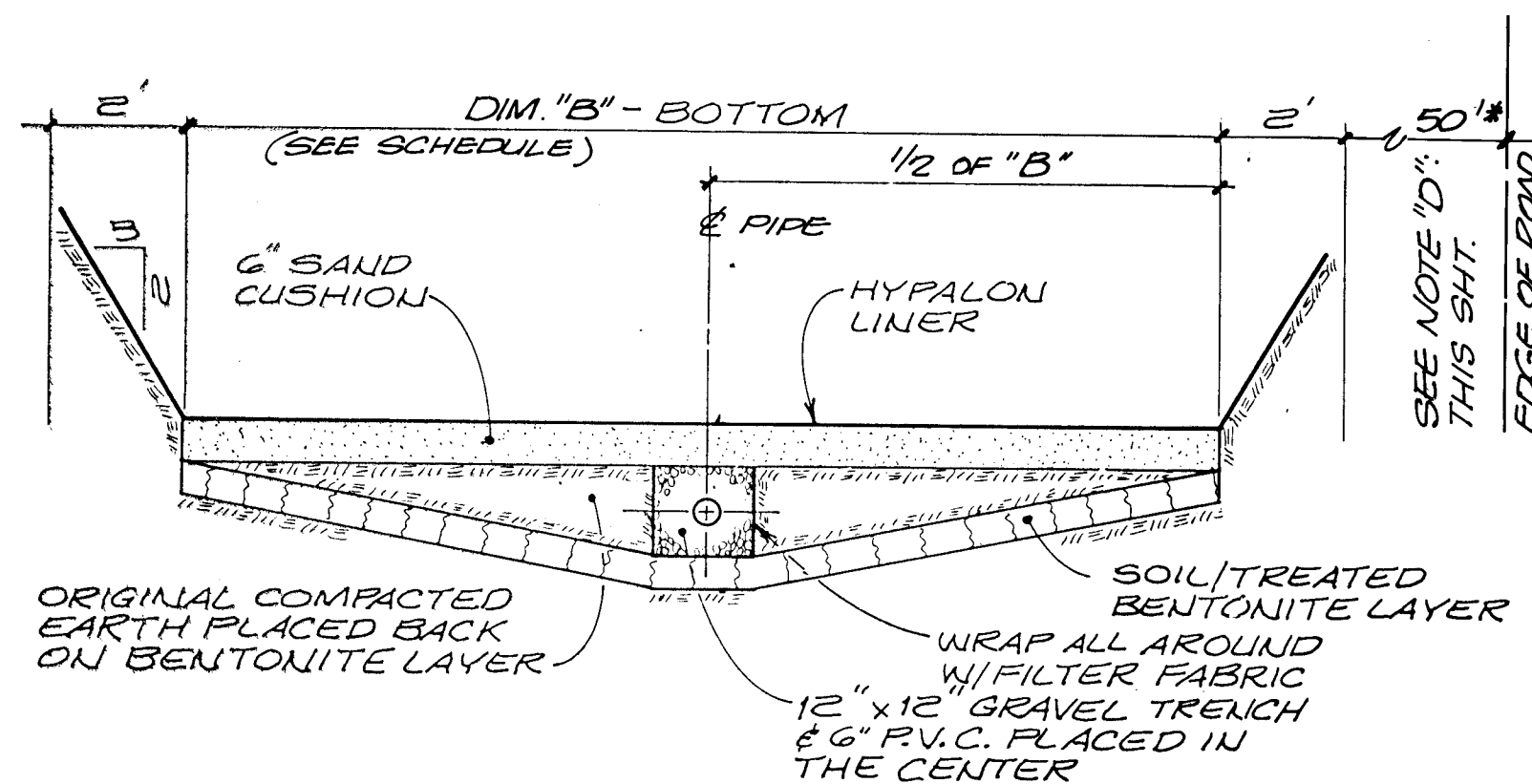
DESIGNED BY: M.P. CL DATE: 1/88  
DRAWN BY: J. SPINELLO DATE: "  
CHECKED BY: K.F. DATE: "



**TYPICAL SITE INTERIOR SLUDGE PIT - PLAN**  
N.T.S.

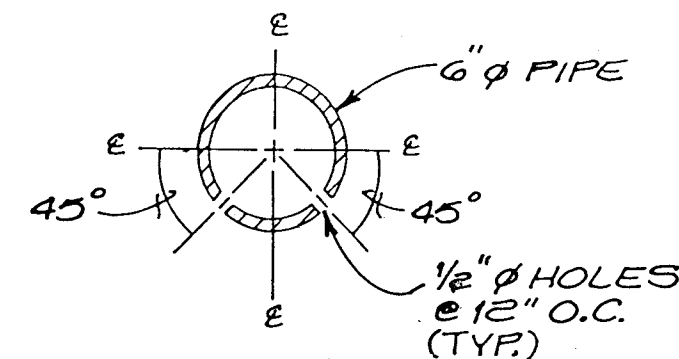
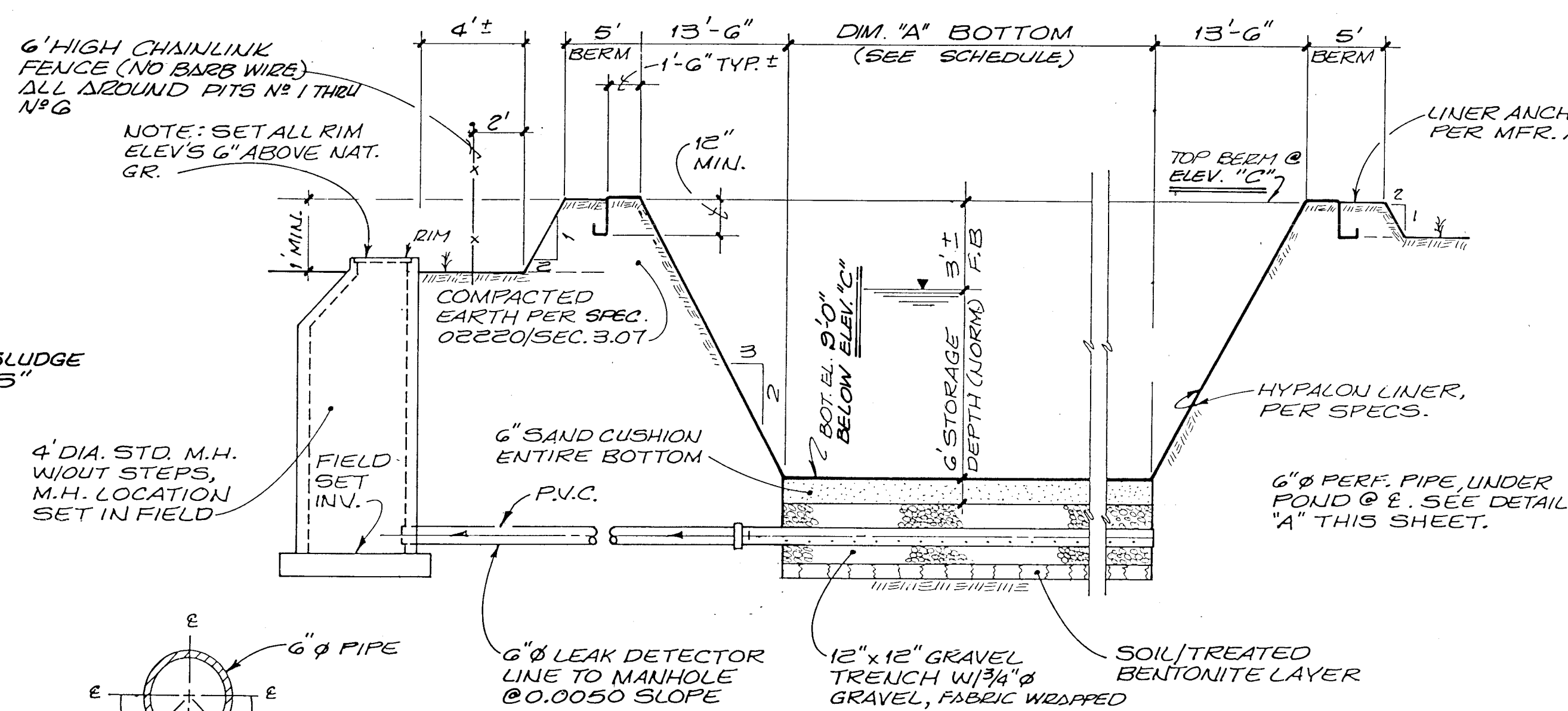
**SOIL/TREATED BENTONITE NOTES:**

1. TREATED BENTONITE TO BE VOLCLAY SP-40 OR APPROVED EQUIVALENT.
2. SCARIFY SOIL WITH ROTOTILLER OR EQUIVALENT DEVICE TO A DEPTH OF 6".
3. WET SOIL TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT FOR SOIL COMPACTION.
4. APPLY TREATED BENTONITE TO SOIL AT A RATE OF 3 LB. PRODUCT / SF. OF SOIL AREA.
5. THOROUGHLY MIX SOIL AND BENTONITE WITH A ROTOTILLER OR EQUIVALENT DEVICE.
6. COMPACT SOIL/BENTONITE MIXTURE TO NOT LESS THAN 85% OF MAXIMUM DRY DENSITY.



**SECTION 2**  
N.T.S.

**NOTE "D":**  
LOCATION DISTANCES TO SET EA. OF 6 POUNDS ARE SHOWN ON SITE RD. DWG'S. NO. G-10 & G-11.

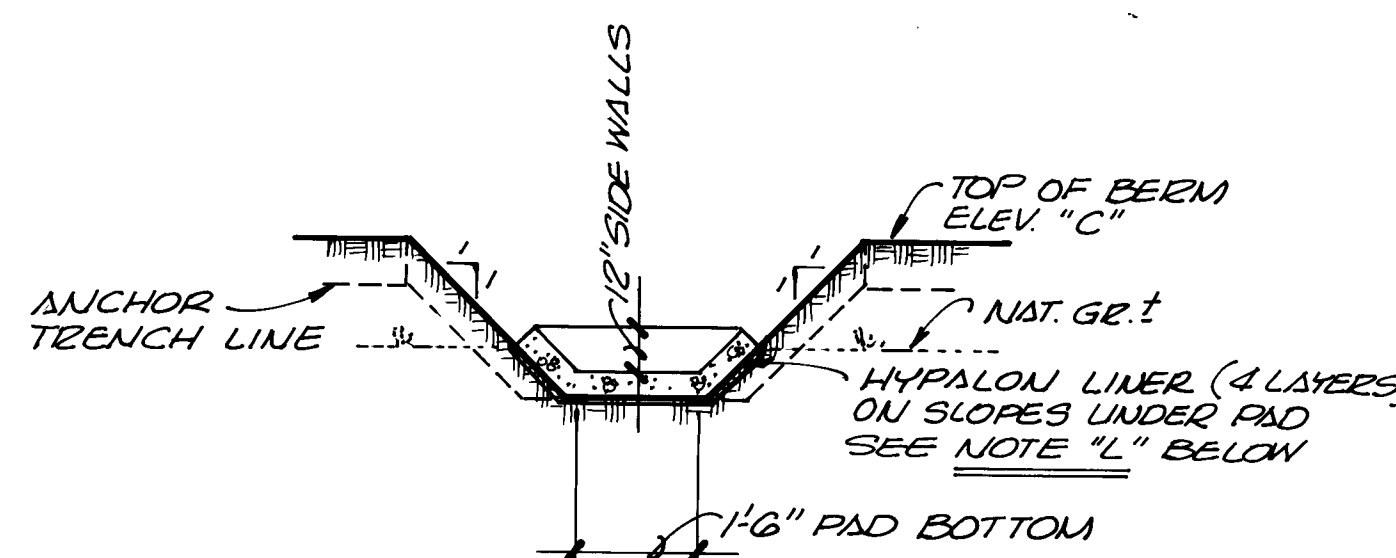


**DETAIL "A"**

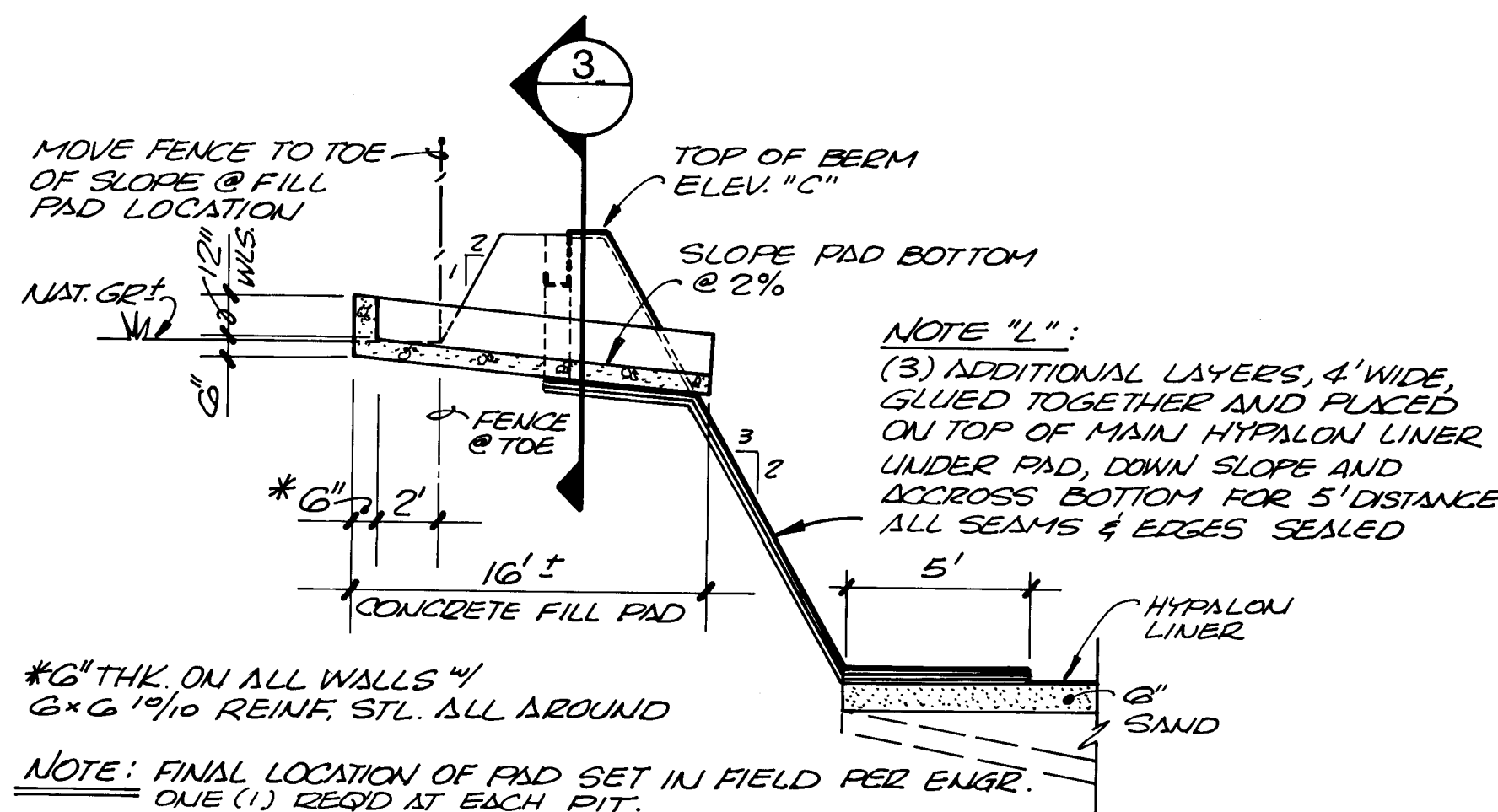
| PIT NO. | DIM. "A" | DIM. "B" | ELEV. "C" |
|---------|----------|----------|-----------|
| *1      | 100'     | 55'      | 5866.5    |
| *2      | "        | "        | 5871.5    |
| *3      | "        | "        | 5868.5    |
| 4       | "        | "        | 5866.5    |
| 5       | "        | "        | 5856.0    |
| *6      | "        | "        | 5861.0    |

FOR INTERIOR SLUDGE PIT LOCATION'S AND CONTOUR PLAN, SEE DWG. NO. G-10 & G-11

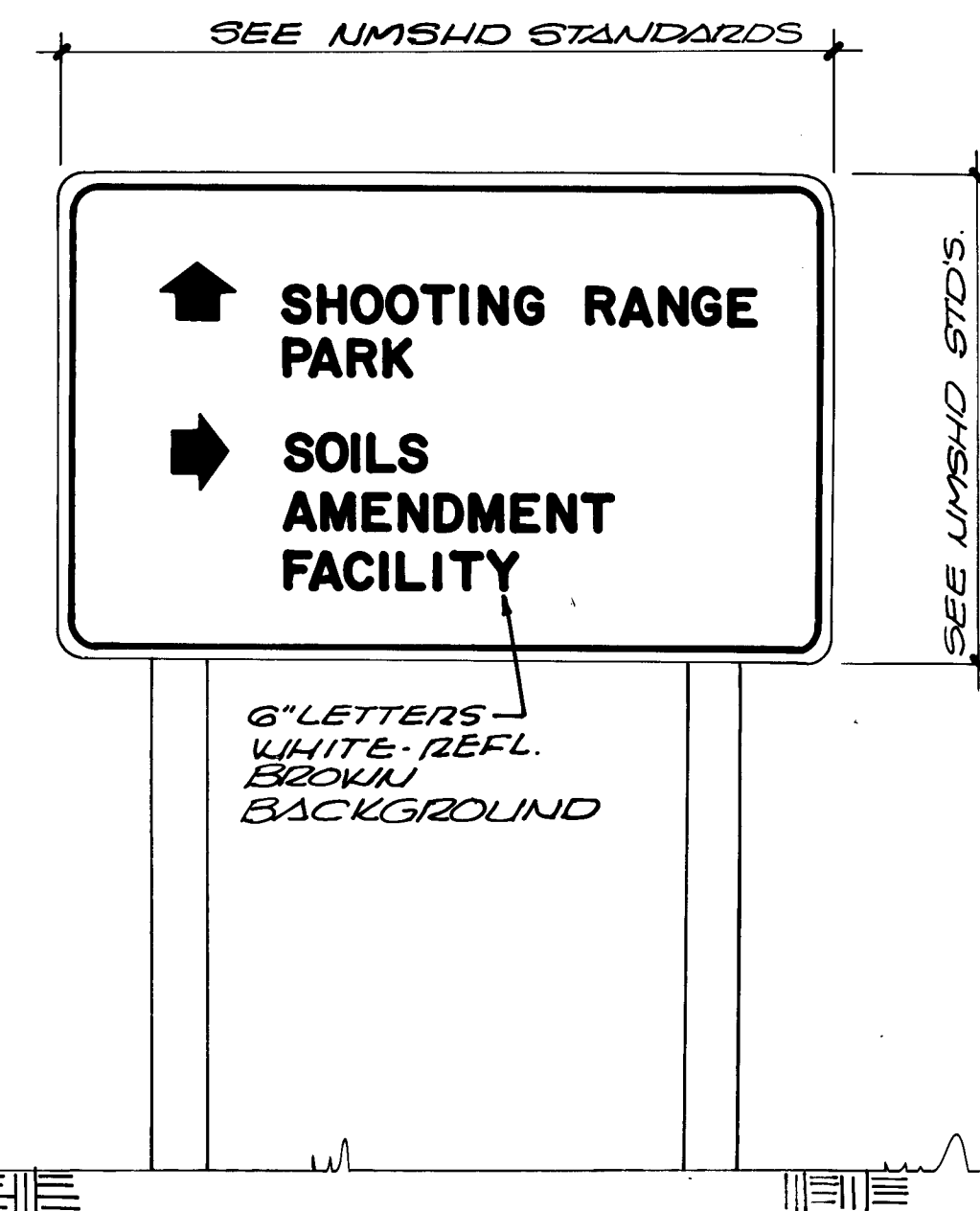
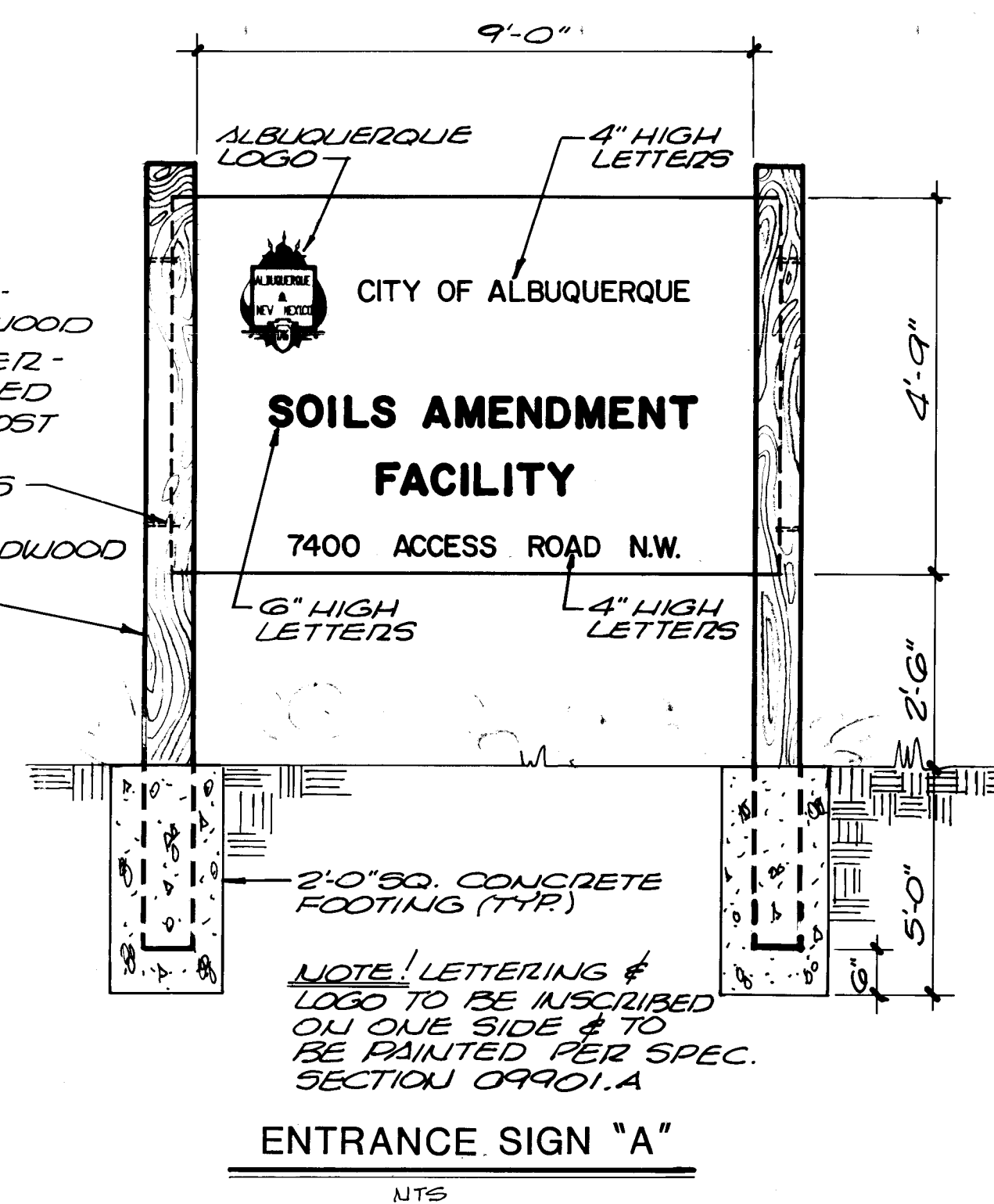
\* DELETED FROM THIS PROJECT.



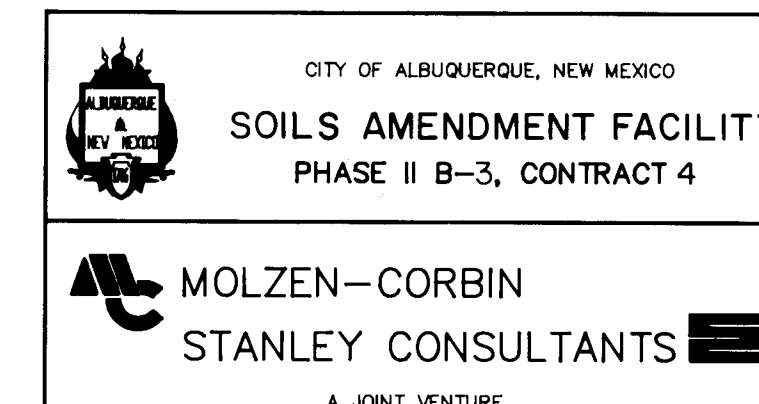
**SECTION 3**



**SITE INTERIOR SLUDGE PIT FILL PAD - DETAIL**  
N.T.S.



**SIGN "B"**  
N.T.S.



**RECORD DRAWING**

DATE: 4-17-89 DRAFTED BY: MCA

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|    |    |    |   |   |   |   |   |   |    |    |    |
|----|----|----|---|---|---|---|---|---|----|----|----|
| 1  | 2  | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 26 | 38 | 48 | 1 | 2 | 8 | 9 |   |   |    |    |    |

|                                                                                        |          |         |              |                        |
|----------------------------------------------------------------------------------------|----------|---------|--------------|------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>LIQUID WASTE DIVISION                |          |         |              |                        |
| TITLE: LAND APPLICATION FACILITIES<br>SITE INTERIOR SLUDGE PIT DETAILS<br>AND SECTIONS |          |         |              |                        |
| APPROVALS                                                                              | ENGINEER | DATE    | APPROVALS    | ENGINEER               |
| City Engineer                                                                          |          |         | Liquid Waste |                        |
| A.C.E.-Design                                                                          |          |         | Traffic      |                        |
| A.C.E.-Hydrology                                                                       |          |         | Water        |                        |
| DRAWING NO. 3848                                                                       |          | MAP NO. |              | SHEET 12 OF 46<br>G-12 |

| AS BUILT INFORMATION   |      |
|------------------------|------|
| CONTRACTOR             | DATE |
| STAINED BY             | DATE |
| INSPECTOR'S            | DATE |
| APPROVED BY            | DATE |
| FIELD                  | DATE |
| LOCATION BY            | DATE |
| CORRECTED BY           | DATE |
| MICRO-FILM INFORMATION |      |
| RECORDED BY            | DATE |
| NO.                    |      |

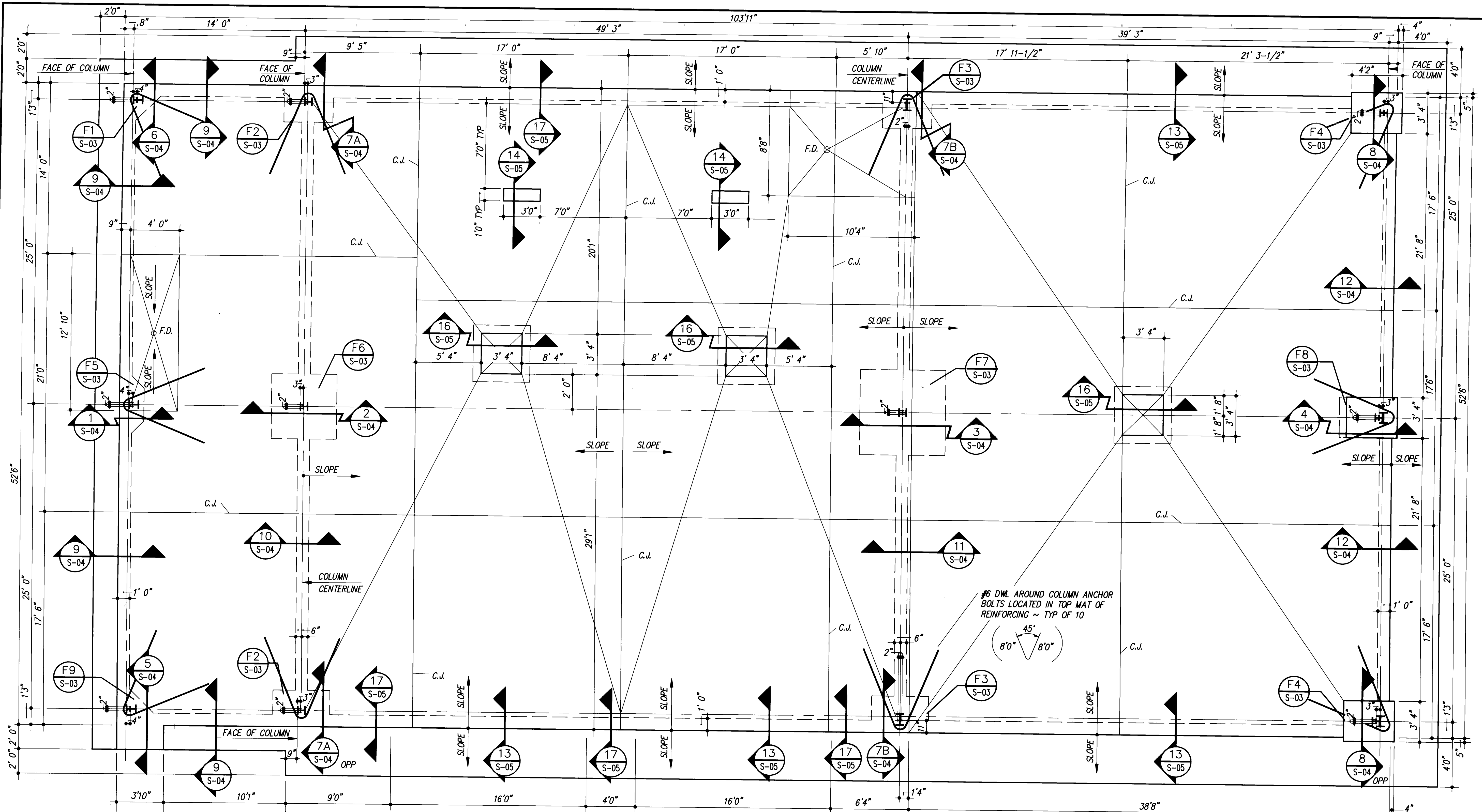
| BENCH MARKS                |  |
|----------------------------|--|
| FOR DATA SEE DWG. NO. G-02 |  |

| SURVEY INFORMATION |      |
|--------------------|------|
| FIELD NOTES        | DATE |
| NO.                | BY   |

| ENGINEER'S SEAL                  |            |
|----------------------------------|------------|
| REGISTERED PROFESSIONAL ENGINEER | NEW MEXICO |
| AND LAND SURVEYOR                | NO. 1809   |
| DALLAS, TEXAS                    |            |

| REVISIONS                |           |
|--------------------------|-----------|
| NO.                      | DATE      |
| REMARKS                  | BY        |
| DESIGN                   | DATE      |
| DRAWN BY CLEDER, CJS     | DATE 3-88 |
| CHECKED BY C. LEDER, BHC | DATE 3-88 |





FOUNDATION PLAN

**GENERAL NOTES - FOUNDATION PLAN**

- Datum for elevations is top of interior slab on grade, reference elevation 0'0". See SITE PLAN for true elevations.
- Dimensions shown are to outside edge of concrete. The exterior face of wall panels overhang concrete 1 inch.
- Dimensions of prefabricated metal building components, including anchor bolt locations, may vary from those shown. Contractor shall coordinate and verify all dimensions with metal building manufacturer before construction of foundation slab.
- See Drawing S-06.1 for typical construction details of prefabricated metal building.
- Slabs are to be placed on 4 inches minimum thickness granular fill on engineered fill on 4 inches minimum thickness granular fill on prepared subgrade or on prepared subgrade as required by site grading. See GENERAL NOTES - EARTHWORK, Sheet S-1, and SPECIFICATIONS for requirements for preparation of subgrade.
- Slabs are to be sloped to floor drains as indicated by the arrows on the plans. Except as otherwise indicated, slopes are to be 1/8 inch per foot of slab.

SCALE: 1/4" = 1'0"

**RECORD DRAWING**

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITIES  
VEHICLE GARAGE - FOUNDATION PLAN

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 74 OF 46  
S-02

| AS BUILT INFORMATION   |      |              |      |
|------------------------|------|--------------|------|
| CONTRACTOR             | DATE | INSPECTOR    | DATE |
| STANDARD               | DATE | FIELD        | DATE |
| VERIFICATION BY        | DATE | CORRECTED BY | DATE |
| MICRO-FILM INFORMATION |      |              |      |
| RECORDED BY            | DATE | NO.          |      |

**BENCH MARKS**

**SURVEY INFORMATION**

**FIELD NOTES**

**ENGINEER'S SEAL**

**REVISIONS**

**DESIGN**

**DATE**

**BY**

**REMARKS**

**NO.**

**DATE**

**BY**

**DESIGNED BY**

**DATE**

**BY**

**DATE**

**BY**

**DATE**

**BY**

**DATE**

**BY**

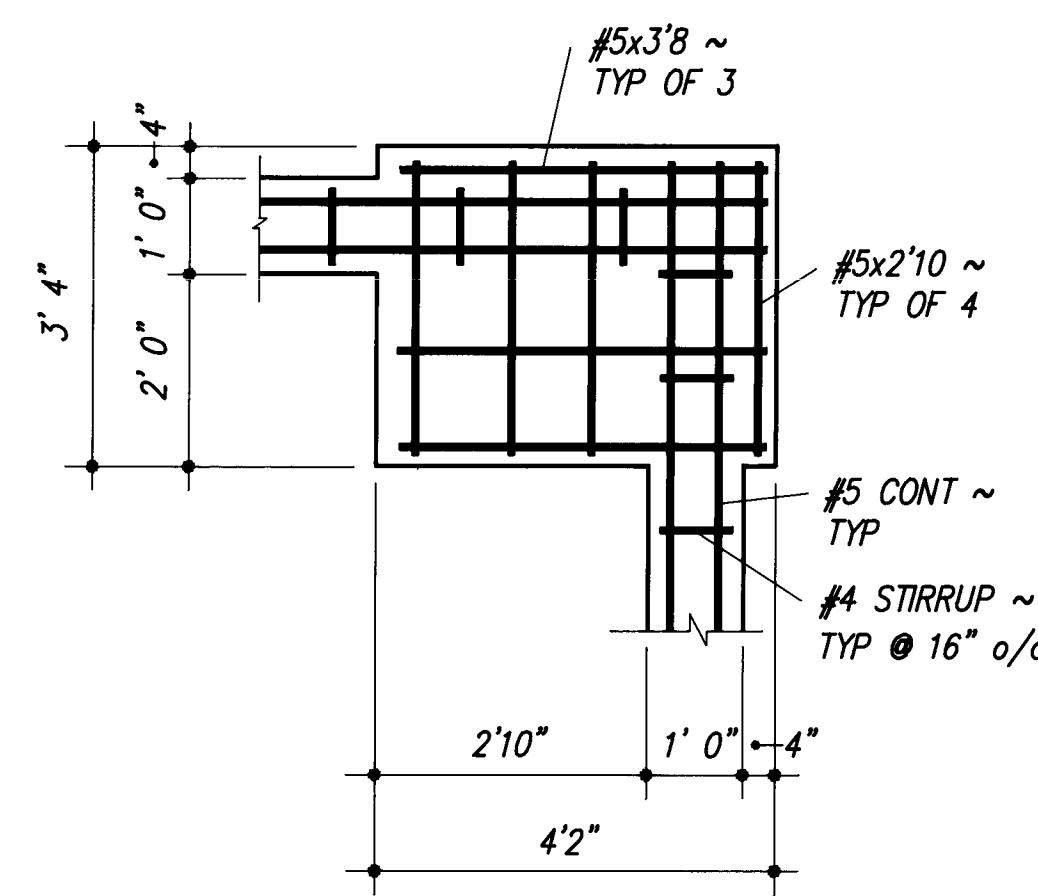
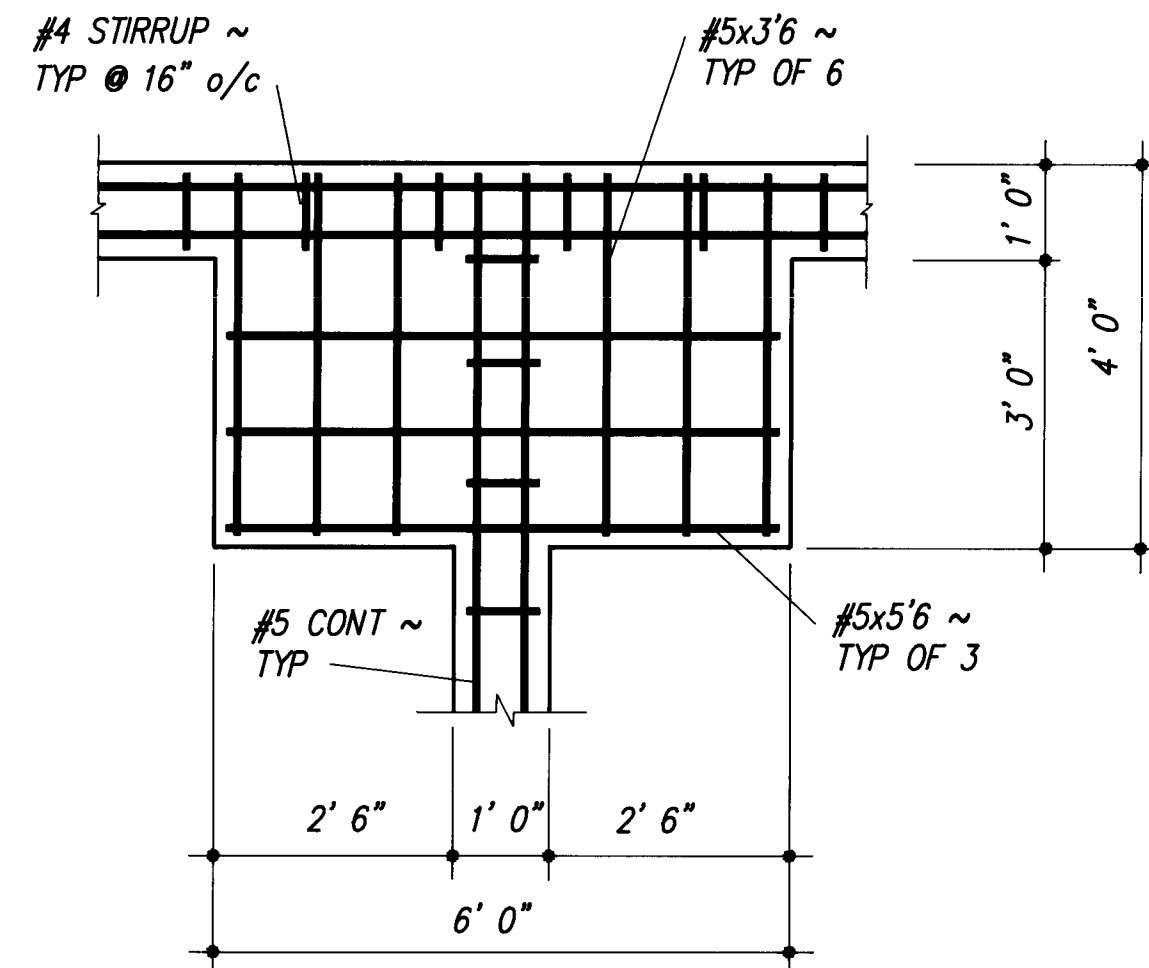
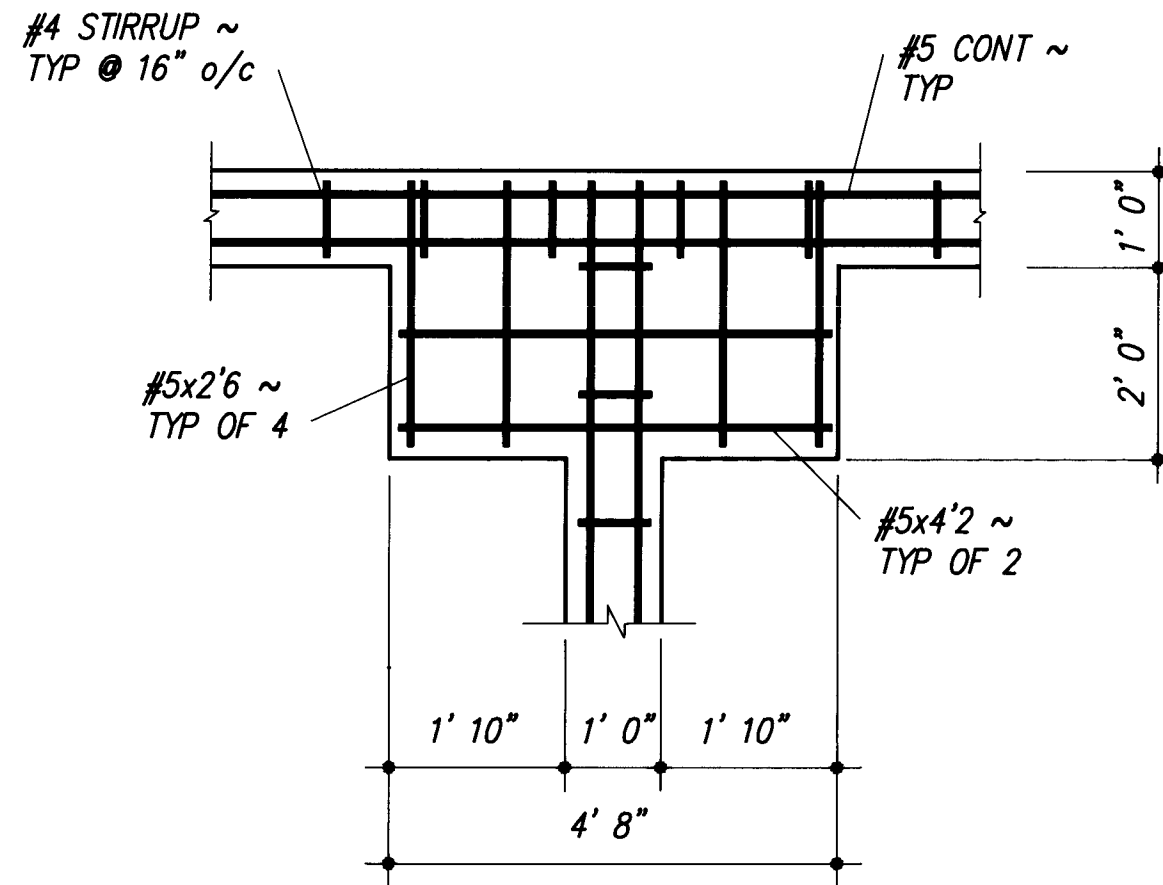
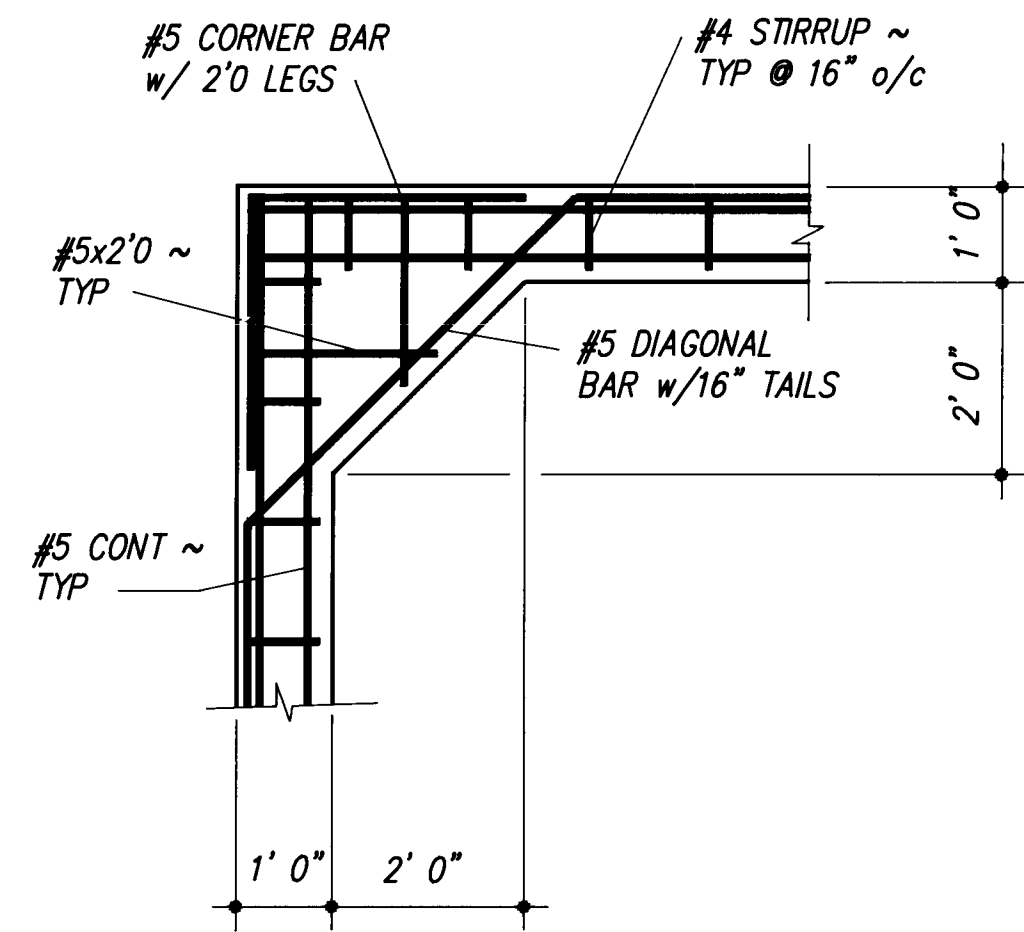
**DATE**

**BY**

**DATE**

**BY**

**DATE**

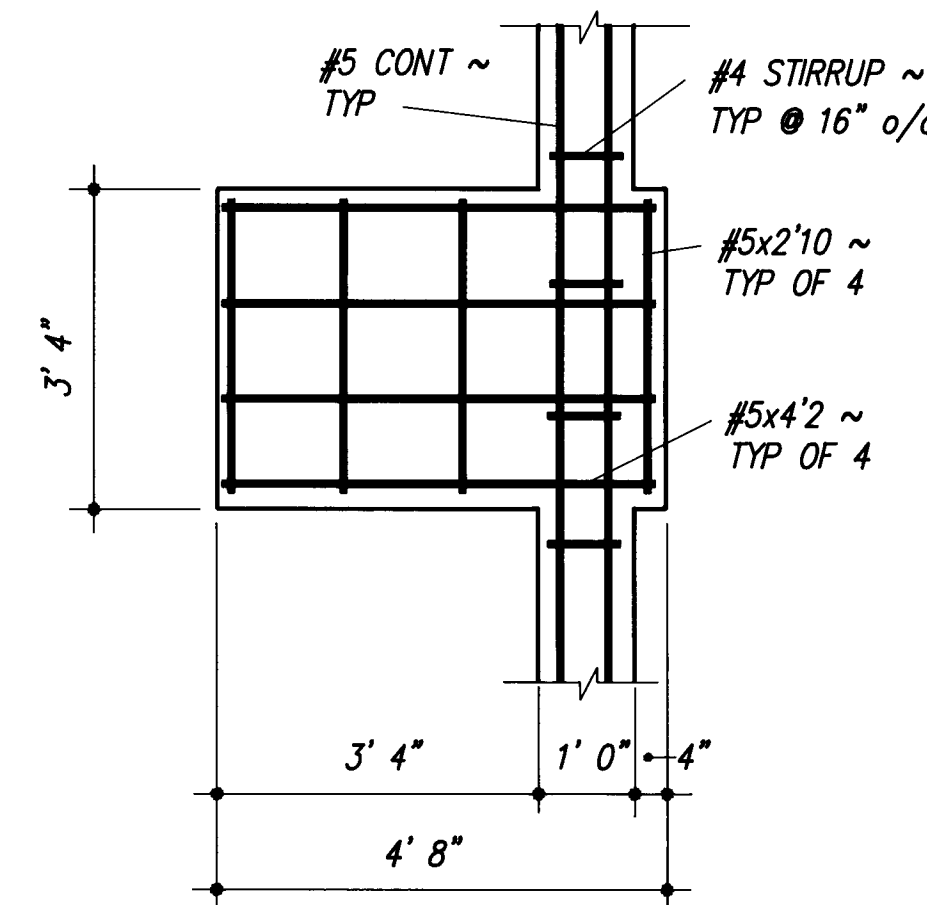
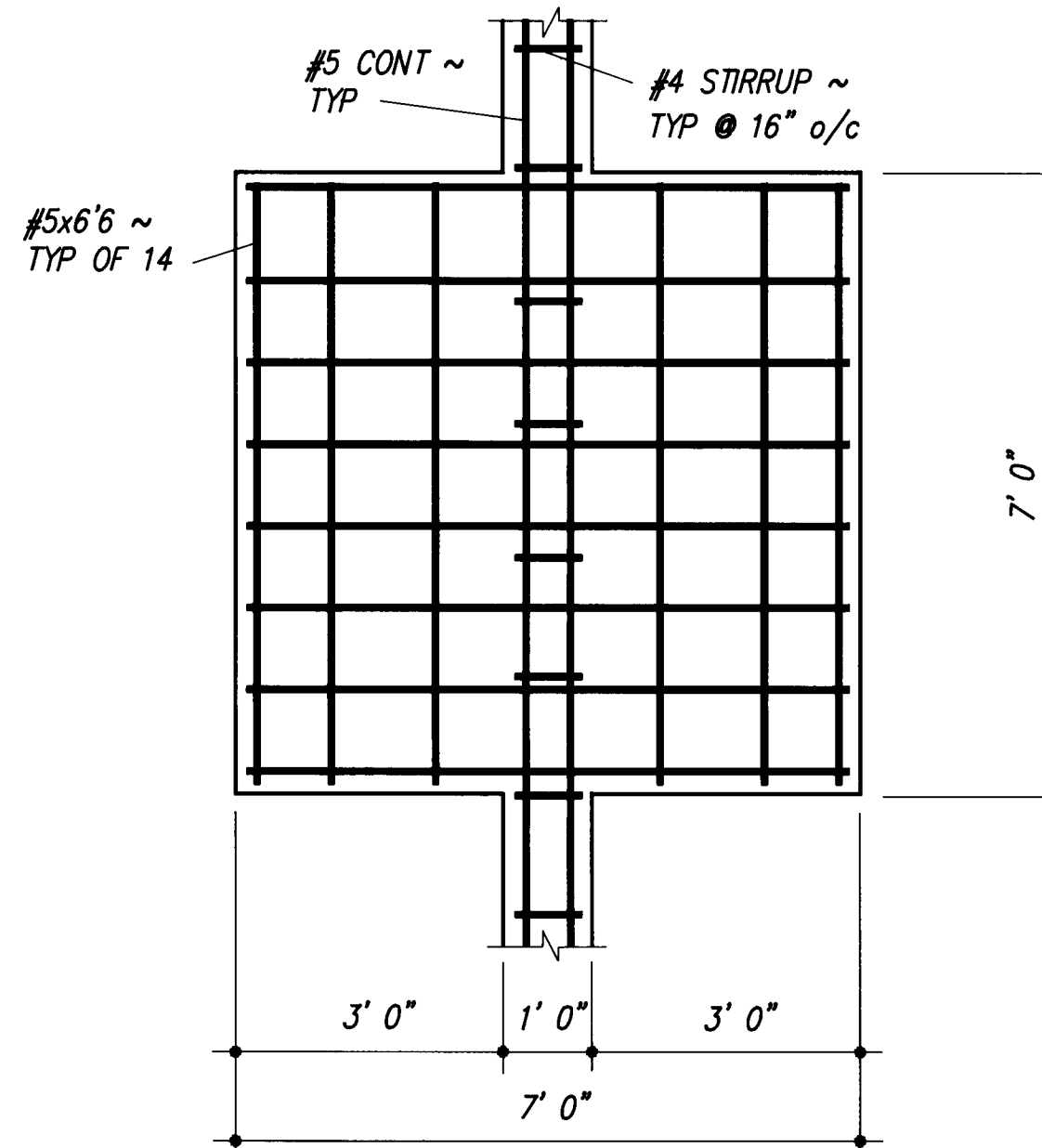
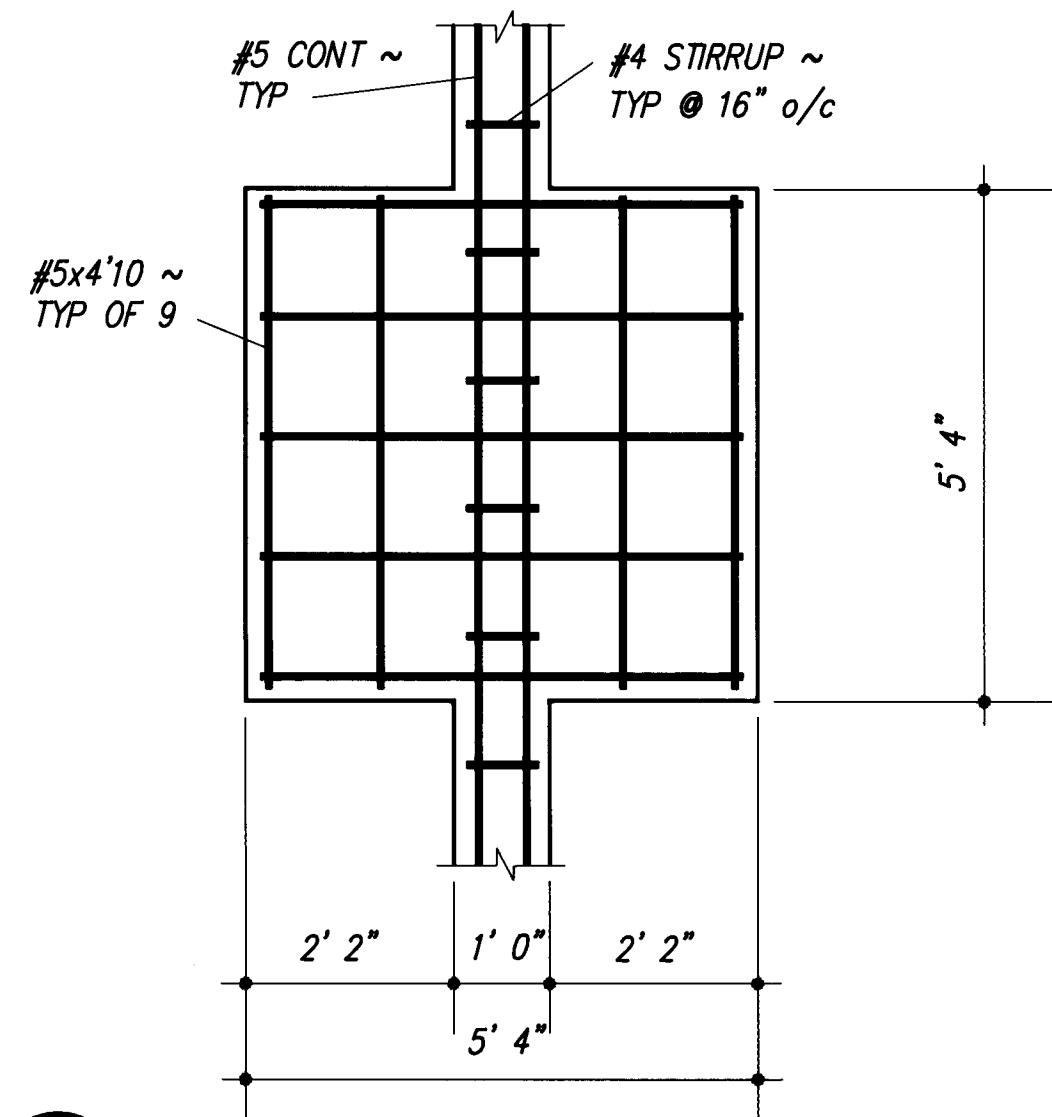
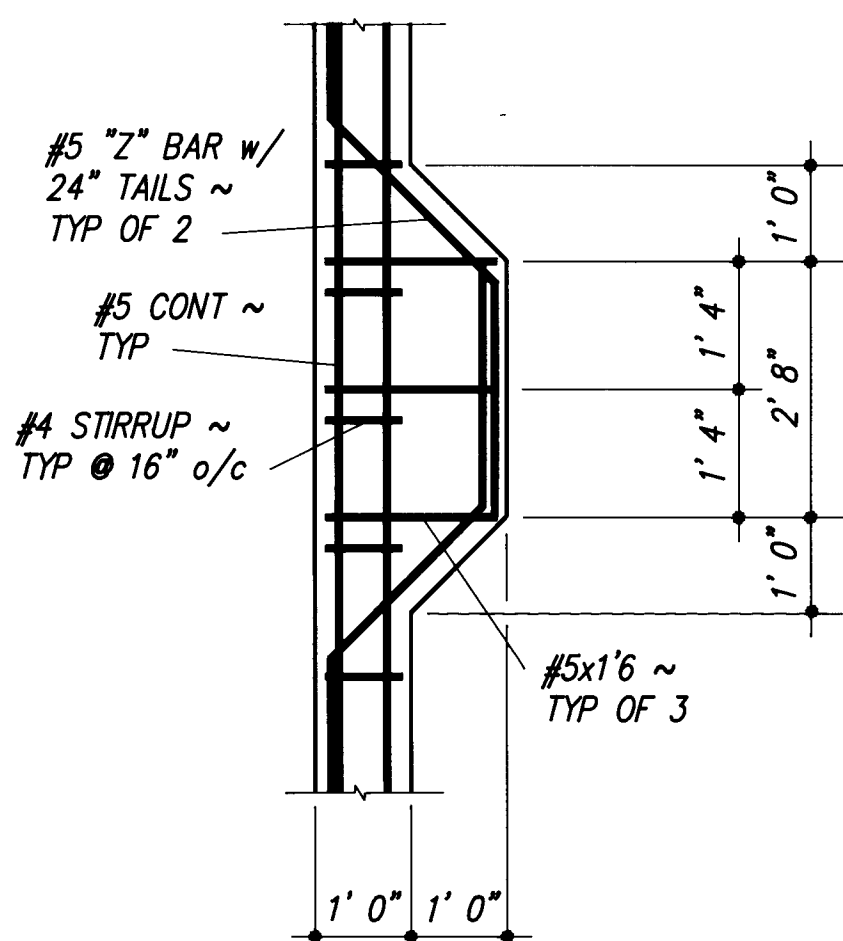


F1  
S-02 SCALE: 1/2" = 1'0"

F2  
S-02 SCALE: 1/2" = 1'0"

F3  
S-02 SCALE: 1/2" = 1'0"

F4  
S-02 SCALE: 1/2" = 1'0"

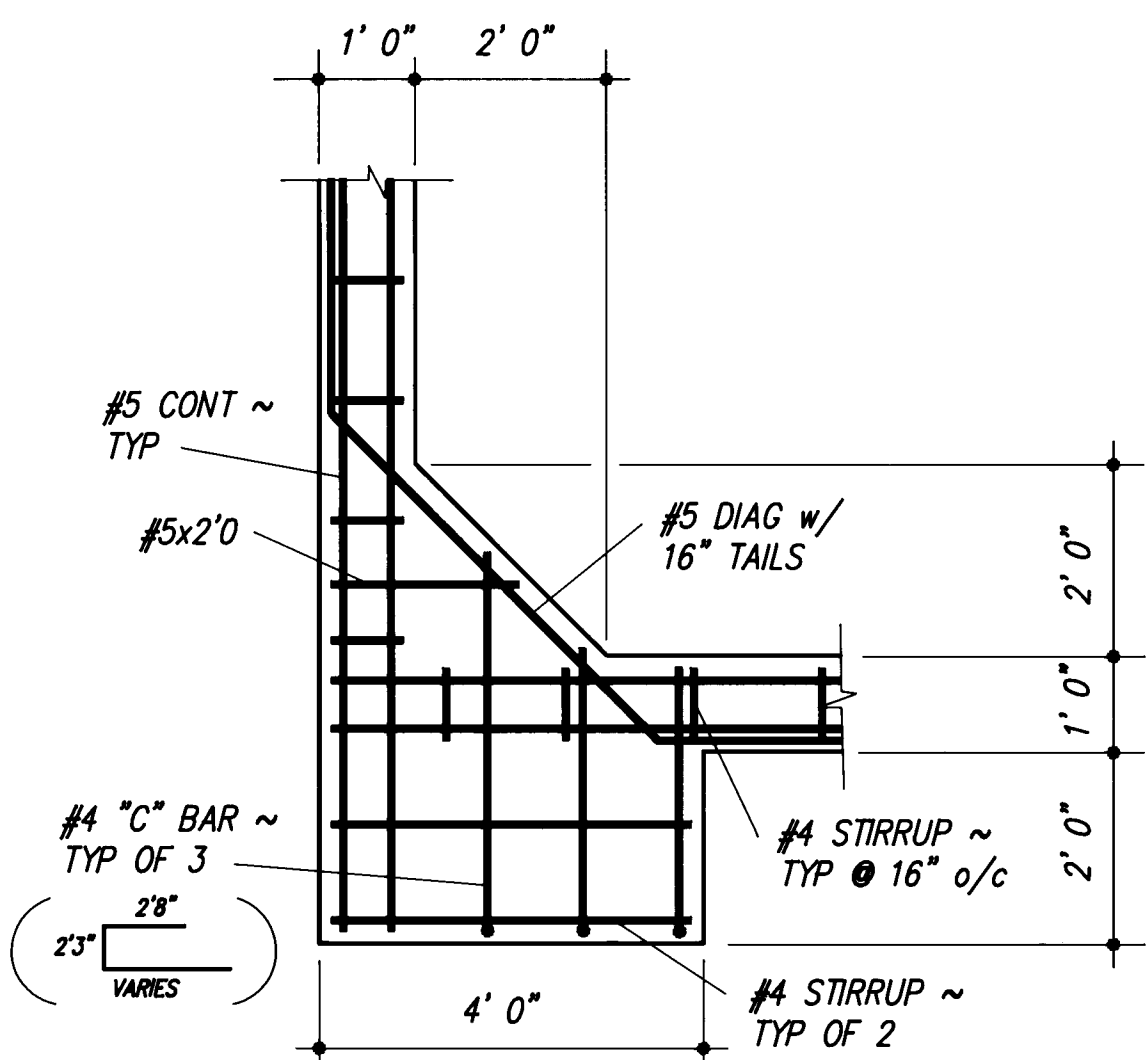


F5  
S-02 SCALE: 1/2" = 1'0"

F6  
S-02 SCALE: 1/2" = 1'0"

F7  
S-02 SCALE: 1/2" = 1'0"

F8  
S-02 SCALE: 1/2" = 1'0"



F9  
S-02 SCALE: 1/2" = 1'0"

### GENERAL NOTES - FOOTING DETAILS

1. GENERAL. See GENERAL NOTES - CONCRETE CONSTRUCTION, Sheet S-1, and SPECIFICATIONS for additional requirements.
2. STIFFENING BEAM/FOOTING REINFORCING. Reinforcing shown is to be placed at bottom of beam/footing. See GENERAL NOTES - CONCRETE CONSTRUCTION for minimum concrete cover.
3. INTERSECTION OF STIFFENING BEAMS AND COLUMN FOOTINGS. Where stiffening beams and column footings intersect, they are to be placed monolithically. Longitudinal reinforcing in wall footings shall be continuous through column or pilaster footings.

| AS BUILT INFORMATION                                                                                                         |      |     | BENCH MARKS |      |     | SURVEY INFORMATION |      |     | ENGINEER'S SEAL                                |      |     | REVISIONS |      |     | DESIGN |     |  |
|------------------------------------------------------------------------------------------------------------------------------|------|-----|-------------|------|-----|--------------------|------|-----|------------------------------------------------|------|-----|-----------|------|-----|--------|-----|--|
| CONTRACTOR                                                                                                                   | DATE | NO. | INSPECTOR   | DATE | NO. | FIELD              | DATE | NO. | NO.                                            | DATE | NO. | NO.       | DATE | NO. | DATE   | NO. |  |
|                                                                                                                              |      |     |             |      |     |                    |      |     |                                                |      |     |           |      |     |        |     |  |
| <p>DESIGNED BY: B.C.E. DATE: FEB. 1988</p> <p>DRAWN BY: B.C.E. DATE: FEB. 1988</p> <p>CHECKED BY: L.K.G. DATE: FEB. 1988</p> |      |     |             |      |     |                    |      |     | <p>NO. DATE</p> <p>REVISIONS</p> <p>DESIGN</p> |      |     |           |      |     |        |     |  |

CITY OF ALBUQUERQUE, NEW MEXICO

SOILS AMENDMENT FACILITY

PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN

STANLEY CONSULTANTS

A JOINT VENTURE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITIES

VEHICLE GARAGE - FOUNDATION DETAILS

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

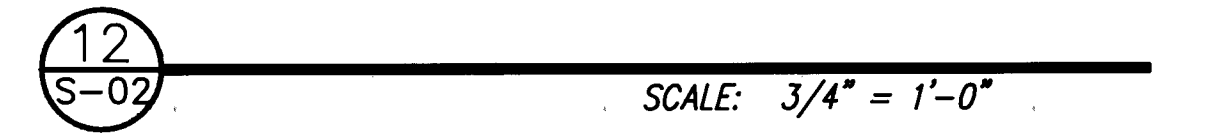
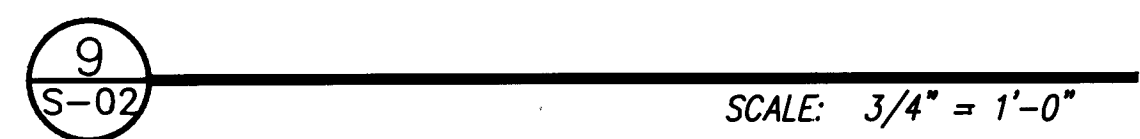
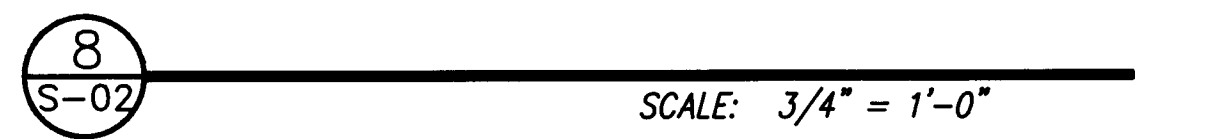
DRAWING NO. 3848 MAP NO. SHEET 15 OF 46 S-03

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

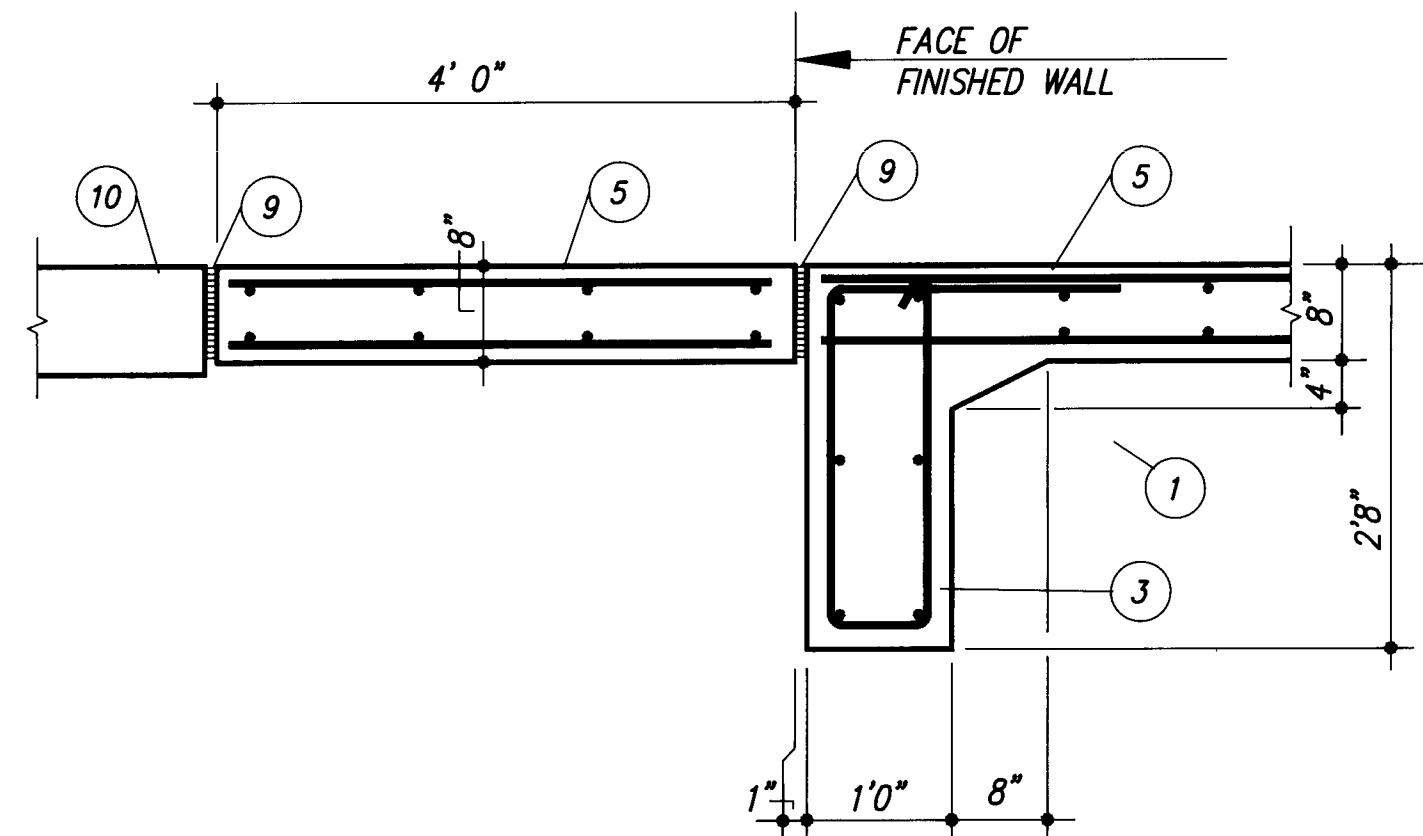
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26 38 48 15 89

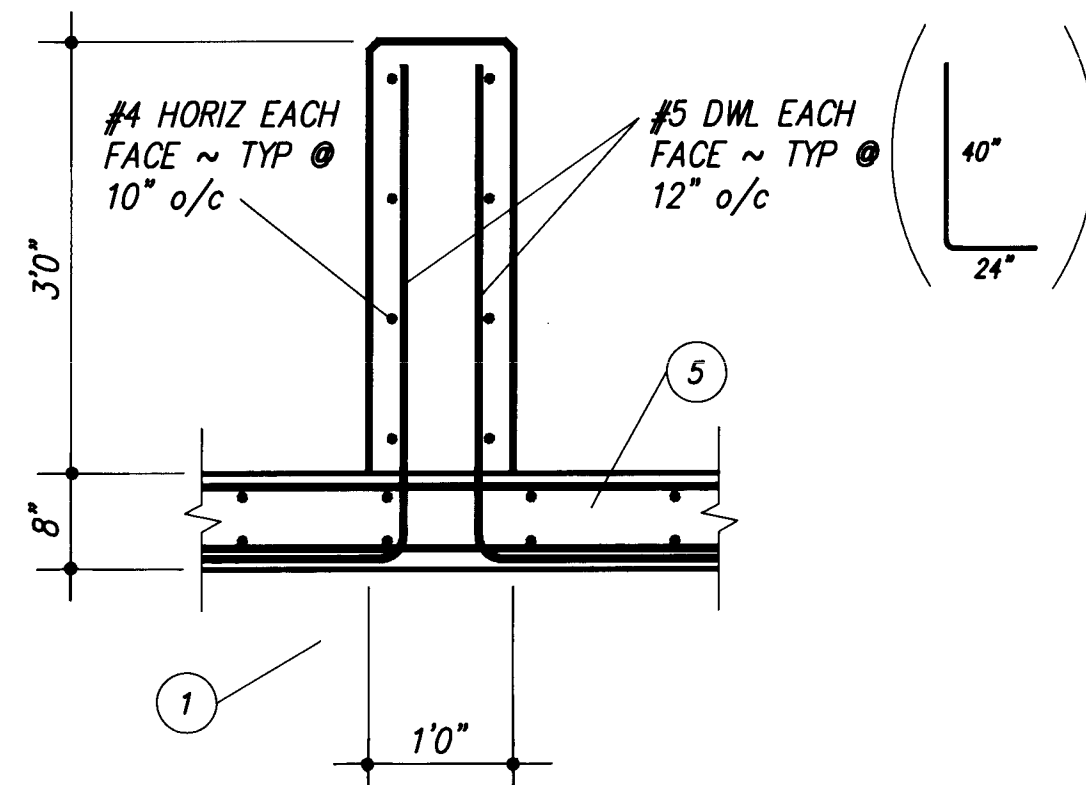


|             |      |         |                         |
|-------------|------|---------|-------------------------|
| DRAWING NO. | 3848 | MAP NO. | SHEET 16. OF 46<br>S-04 |
|-------------|------|---------|-------------------------|

[illegible]



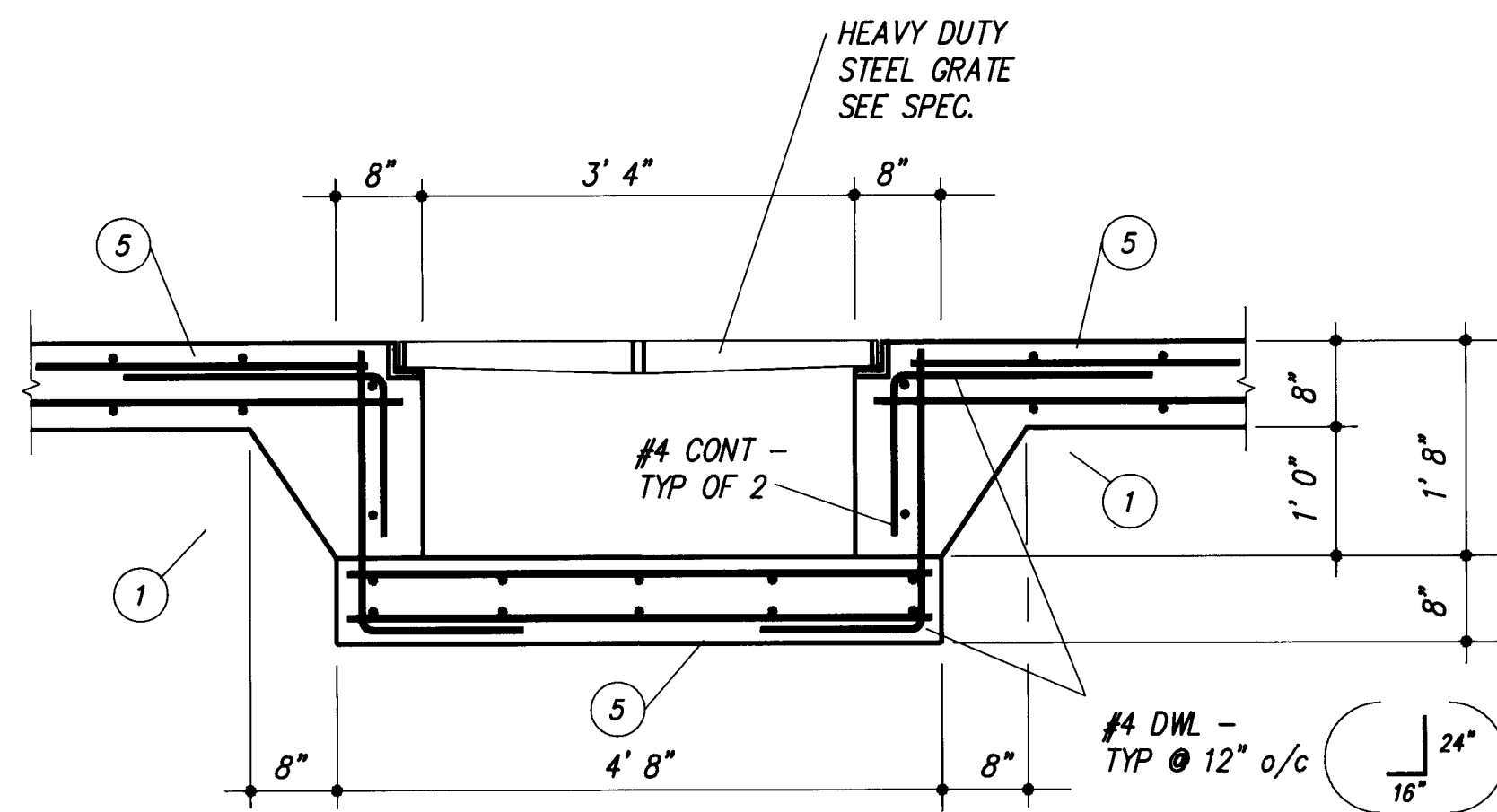
13  
S-02 SCALE: 3/4" = 1'-0"



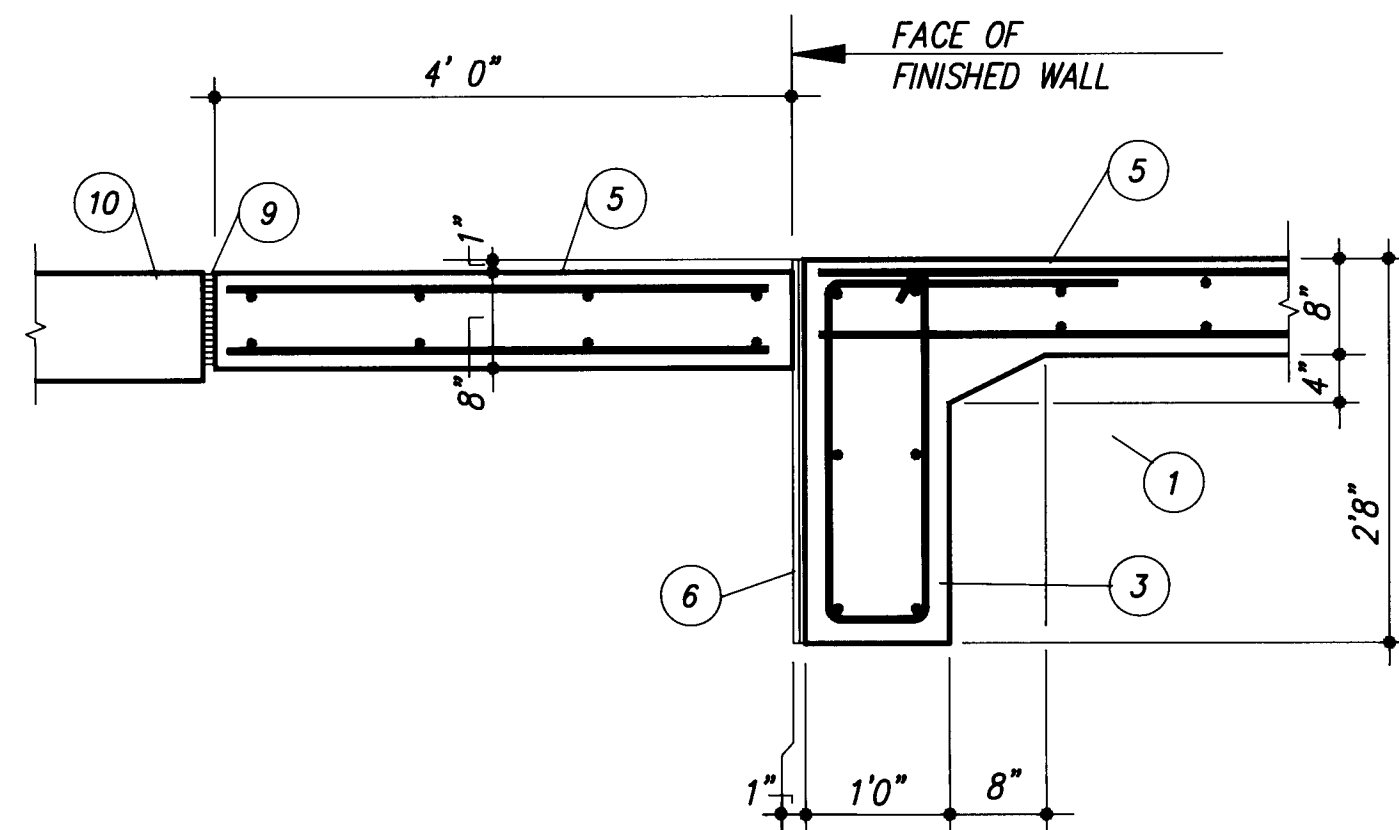
14  
S-02 SCALE: 3/4" = 1'-0"

NOT USED

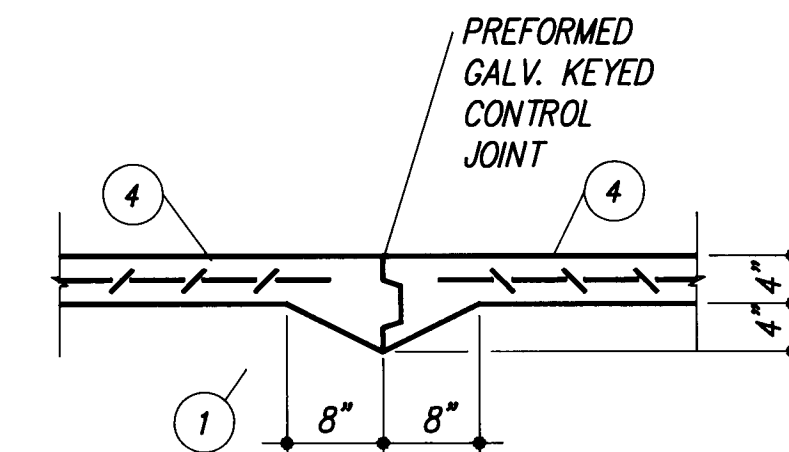
15  
S-02 SCALE: 3/4" = 1'-0"



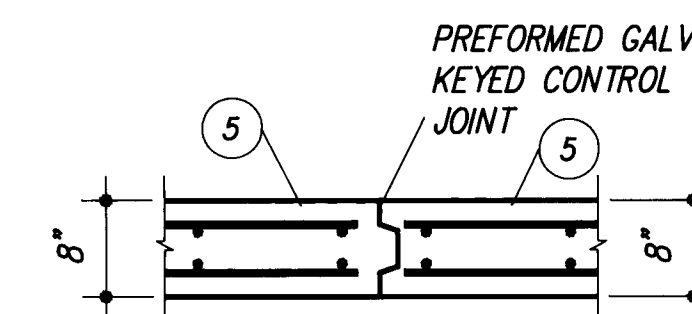
16  
S-02 SCALE: 3/4" = 1'-0"



17  
S-02 SCALE: 3/4" = 1'-0"



4" SLAB

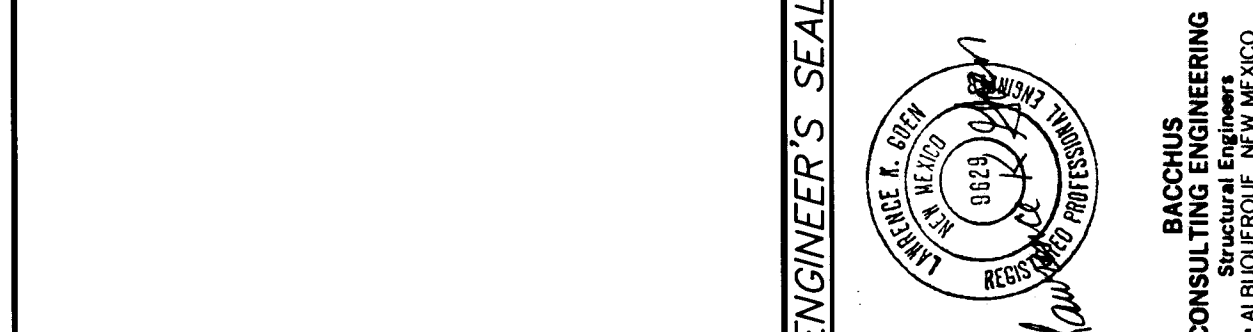


8" SLAB

18  
S-02 TYPICAL SLAB CONTROL JOINTS SCALE: 3/4" = 1'-0"

# KEYED NOTES - FOUNDATION SECTIONS

- 1 Compacted fill/backfill. See notes on Sheet S-1 and Specifications for requirements.
- 2 Turned down slab edge or stiffening beam. Reinforce with 2-#5 continuous top and bottom with 2-#4 continuous between at beams greater than 2'0" in depth. Provide #4 stirrups spaced at 16" o/c. At slab edges extend top leg of stirrup 24" into slab.
- 3 Column footing poured monolithically with slab. See details on Sheet S-3 for reinforcing not noted.
- 4 4" thick concrete slab-on-grade reinforced with WWF6x6-W2.1xW2.1.
- 5 8" concrete slab-on-grade reinforced with 2 mats of #4 each way spaced at 12" o/c.
- 6 Rigid insulation. See Architectural Drawings and Specifications for requirements.
- 7 Steel column, base plate and anchor bolts by prefabricated metal building manufacturer. Verify and coordinate all dimensions with prefabricated metal building manufacturer prior to construction.
- 8 Concrete collar around steel column. Reinforce with #4 vertical bars at each corner and at 16" o/c between and #4 ties spaced at 12" o/c.
- 9 1/2" asphalt impregnated expansion joint.
- 10 Concrete paving. See Civil Drawings for requirements.



CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITY  
VEHICLE GARAGE - SECTIONS

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 17 OF 46  
S-05

RECORD DRAWING  
DATE: 4-17-89 DRAFTED BY: MCA  
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26 38481789

| AS BUILT INFORMATION |      | BENCH MARKS |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |    |
|----------------------|------|-------------|------|--------------------|------|-----------------|----|
| CONTRACTOR           | DATE | INSPECTOR'S | DATE | FIELD              | DATE | NO.             | BY |
|                      |      |             |      |                    |      |                 |    |
|                      |      |             |      |                    |      |                 |    |
|                      |      |             |      |                    |      |                 |    |
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| REVISIONS |      | DESIGN  |    |
|-----------|------|---------|----|
| NO.       | DATE | REMARKS | BY |
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|-------------|--------|------|-----------|
| DESIGNED BY | B.C.E. | DATE | FEB, 1988 |
| DRAWN BY    | B.C.E. | DATE | FEB, 1988 |
| CHECKED BY  |        | DATE | FEB, 1988 |

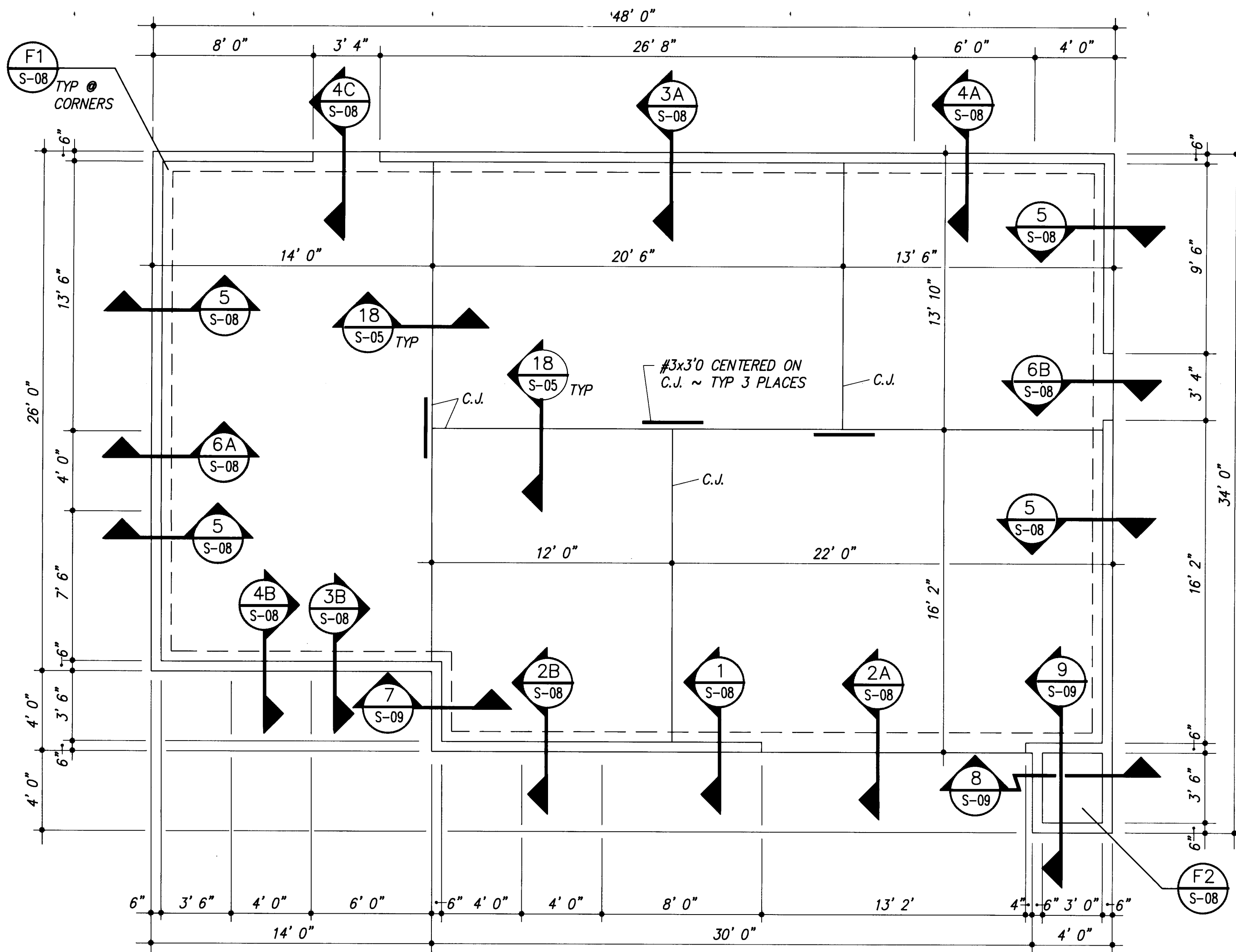
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NOTE: CONFIGURATION OF MEMBERS SHOWN IS FOR A PARTICULAR METAL BUILDING MANUFACTURER AND MAY VARY.



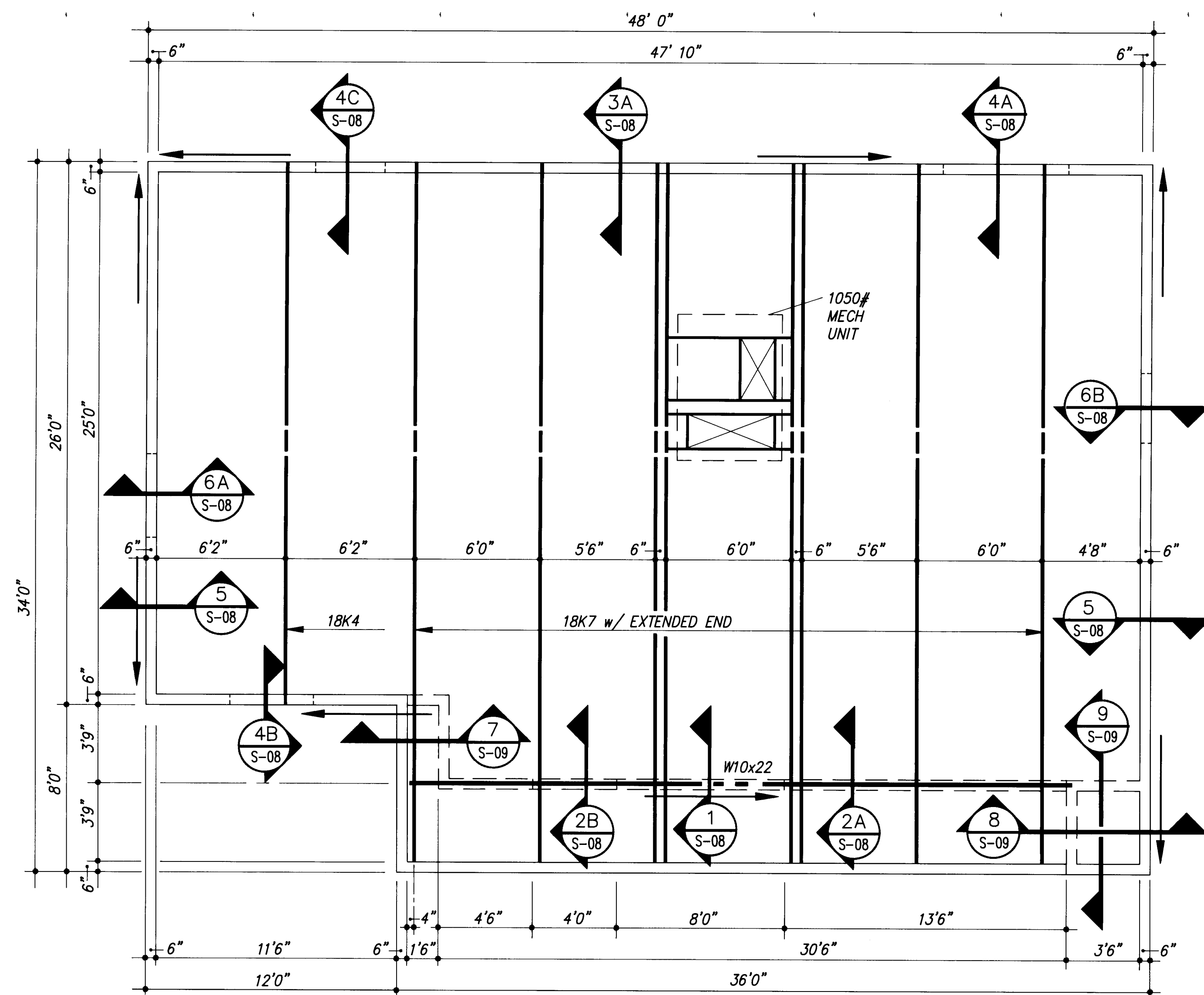
7 16"x24"x24 gage steel roof panel. See notes this sheet for minimum section properties. Attach adjacent panels together with continuous crimping as required by metal building manufacturer. Attach panels to purlins with 1/4"x1x1" long self drilling, self tapping screws. Provide five screws equally spaced at each panel at end lap and space screws at 16" o/c elsewhere.

|                                                                        |          |      |              |          |                          |
|------------------------------------------------------------------------|----------|------|--------------|----------|--------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION |          |      |              |          |                          |
| TITLE: LAND APPLICATION FACILITIES                                     |          |      |              |          |                          |
| VEHICLE GARAGE – METAL BUILDING DETAILS                                |          |      |              |          |                          |
| APPROVALS                                                              | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE                     |
| City Engineer                                                          |          |      | Liquid Waste |          |                          |
| A.C.E.—Design                                                          |          |      | Traffic      |          |                          |
| A.C.E.—Hydrology                                                       |          |      | Water        |          |                          |
|                                                                        |          |      |              |          |                          |
| DRAWING NO. 3848                                                       |          |      | MAP NO.      |          | SHEET 19 of 46<br>S-06.1 |



FOUNDATION PLAN

SCALE: 1/4" = 1'0"



ROOF FRAMING PLAN

SCALE: 1/4" = 1'0"



GENERAL NOTES - FOUNDATION AND ROOF FRAMING PLANS

- Datum for elevations is top of interior slab on grade, reference elevation 0'0". See SITE PLAN for true elevations.
- Slabs are to be placed on 4 inches minimum thickness granular fill on prepared subgrade or on prepared subgrade as required by site grading. See GENERAL NOTES - EARTHWORK, Sheet S-1, and SPECIFICATIONS for requirements for preparation of subgrade.
- JOIST BEARING: Joist bearing elevations shall be as shown in Sections on Sheets S-8 and S-9.
- ROOF OPENINGS: Locations shown for roof openings are approximate. See MECHANICAL DRAWINGS for location of openings which are 12" square or smaller. Coordinate location of mechanical openings with MECHANICAL DRAWINGS. See Sheet S-9 for framing around roof openings.
- JOIST BRIDGING: Provide bridging required by the Steel Joist Institute. Bridging shall be continuous horizontal angles at the top and bottom chords with welded connections. Size of bridging members shall be as required by the Joist Manufacturer. Bridging lines shall be connected to walls and beams at each end as shown on the drawings or if not shown in accordance with the requirements of the Steel Joist Institute and the Joist Manufacturer.  
Joist Manufacturer shall analyze joists to determine if additional bridging is required to brace the bottom chords of the joists under net uplift loading and if such bridging is required shall provide it for installation by the Contractor. In computing the effects of uplift loading, 75% of the design roof dead load given in the STRUCTURAL DESIGN CRITERIA on Sheet S-1 shall be used together with the uplift wind pressures.
- MECHANICAL UNITS: Locations, sizes and weights shown for mechanical units are approximate and shall be verified before construction. Do not install units whose operating weights exceed the design weights shown without prior approval of the Engineer.
- ROOF DECK ATTACHMENT: Roof deck shall be attached to the supporting framework using 5/8" diameter (minimum) puddle welds, spaced as noted below. Welding washers are not required. Deck units shall be attached to each other by #12 T&S screws at spacing noted below.
  - Deck units to supporting members. Weld at side valleys between units and at alternate valleys between; weld all valleys at end laps between units; weld at 24" o/c maximum along perimeter angles parallel to span of units.
  - Deck units to each other. Space screws at 24" o/c maximum between supports.
- WALL BRACING: Arrows on ROOF FRAMING PLAN designate locations of diagonal wall bracing with the arrow pointing to top of bracing. See TYPICAL STUD WALL ELEVATION on Sheet S-9 for bracing size and construction.

| RECORD DRAWING                                                                                                                                                                                                                                |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| DATE:                                                                                                                                                                                                                                         | DRAFTED BY: |
| 4-17-89                                                                                                                                                                                                                                       | MCA         |
| THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. |             |

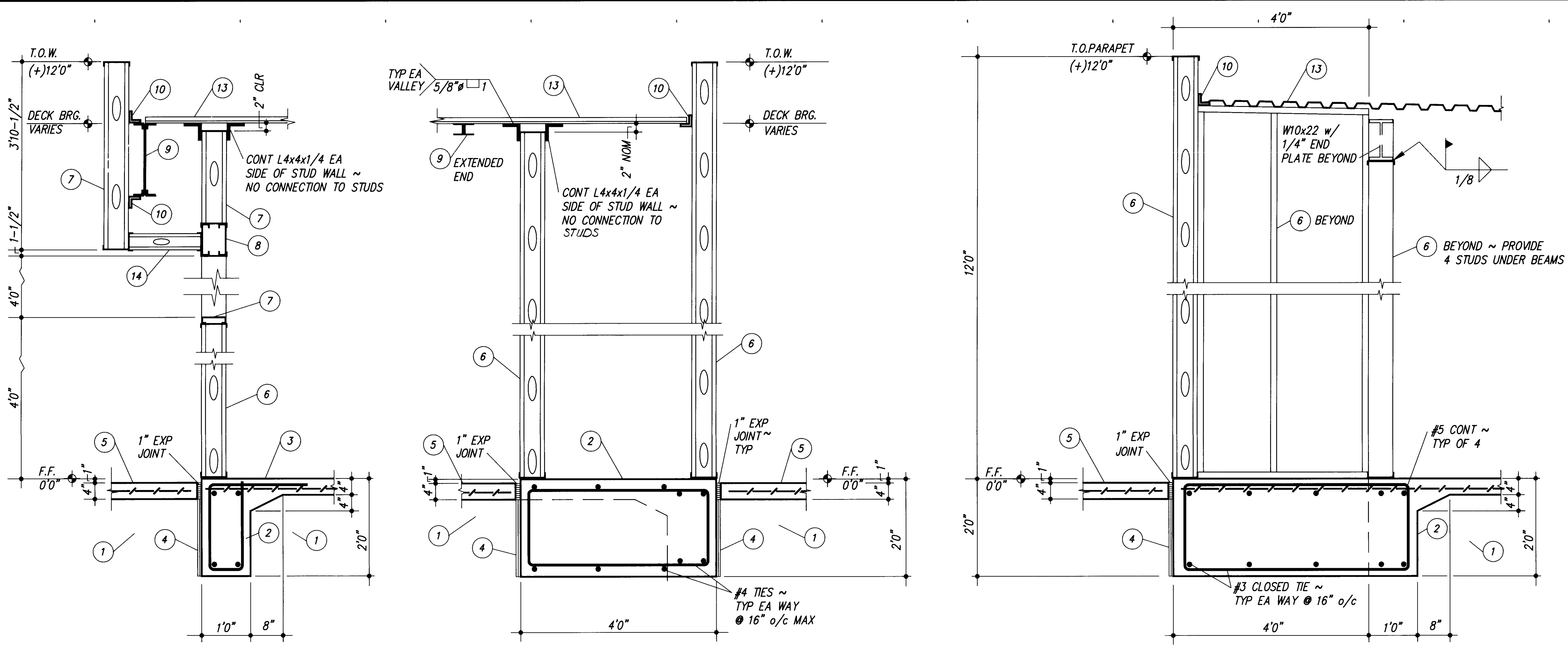
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|---------------------------------|--|
| CITY OF ALBUQUERQUE, NEW MEXICO |  |
| SOILS AMENDMENT FACILITY        |  |
| PHASE II B-3, CONTRACT 4        |  |
| MOLZEN-CORBIN                   |  |
| STANLEY CONSULTANTS             |  |
| A JOINT VENTURE                 |  |

|                                                                          |          |      |              |          |                        |
|--------------------------------------------------------------------------|----------|------|--------------|----------|------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION   |          |      |              |          |                        |
| TITLE:<br>LAND APPLICATION FACILITIES<br>ADMINISTRATION BUILDING - PLANS |          |      |              |          |                        |
| APPROVALS                                                                | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE                   |
| City Engineer                                                            |          |      | Liquid Waste |          |                        |
| A.C.E.-Design                                                            |          |      | Traffic      |          |                        |
| A.C.E.-Hydrology                                                         |          |      | Water        |          |                        |
| DRAWING NO. 3848                                                         |          |      | MAP NO.      |          | SHEET 20 OF 46<br>S-07 |

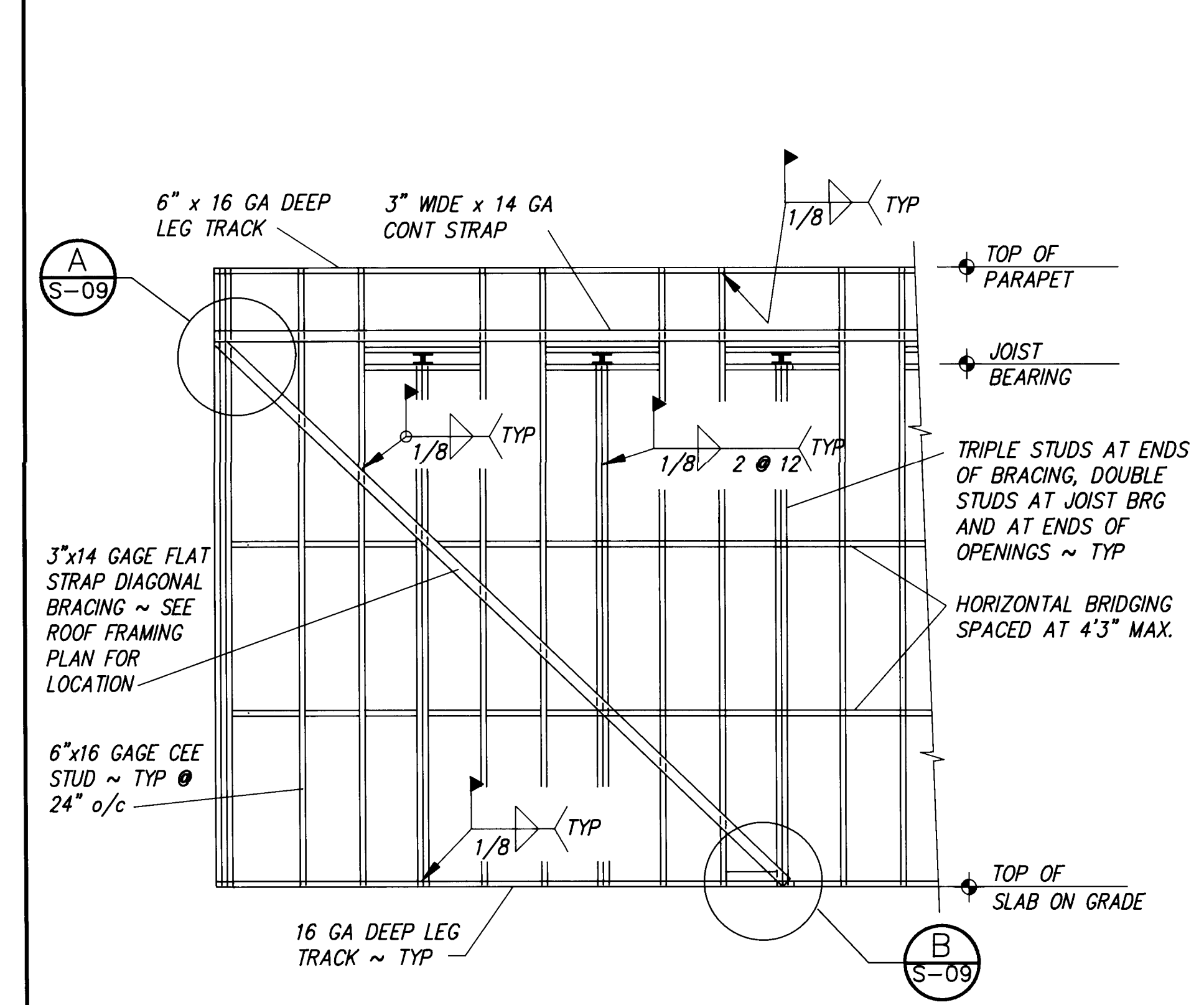
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| 26 | 38 | 48 | 20 | 89 |   |   |   |   |    |    |    |

| AS BUILT INFORMATION |      | BENCH MARKS |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |      |
|----------------------|------|-------------|------|--------------------|------|-----------------|------|
| CONTRACTOR           | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| WORK BY              | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| REVISIONS            | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| ACCEPTANCE BY        | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| VERIFICATION BY      | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| DRAWINGS             | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| CHECKED BY           | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| RECORDED BY          | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
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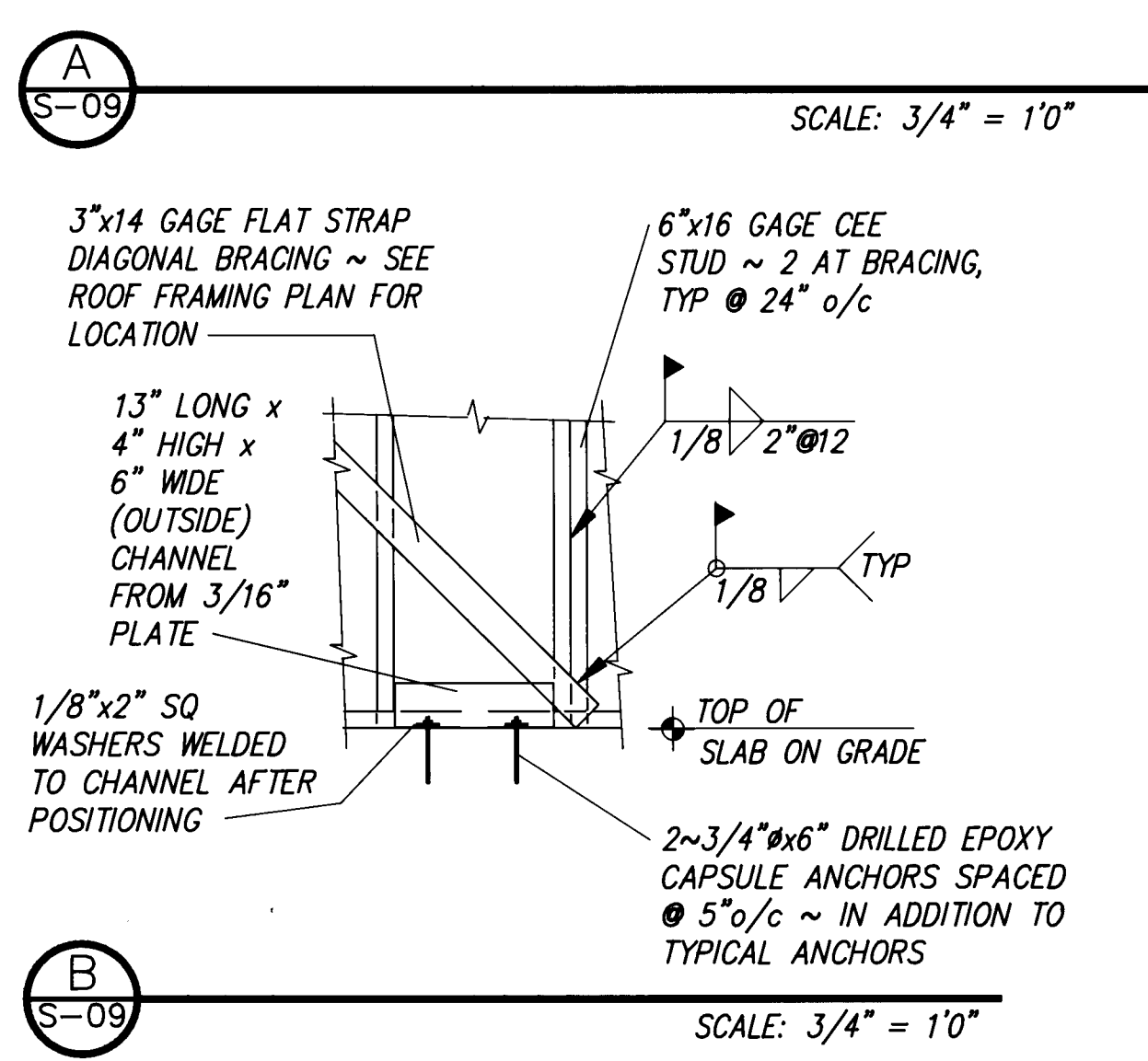
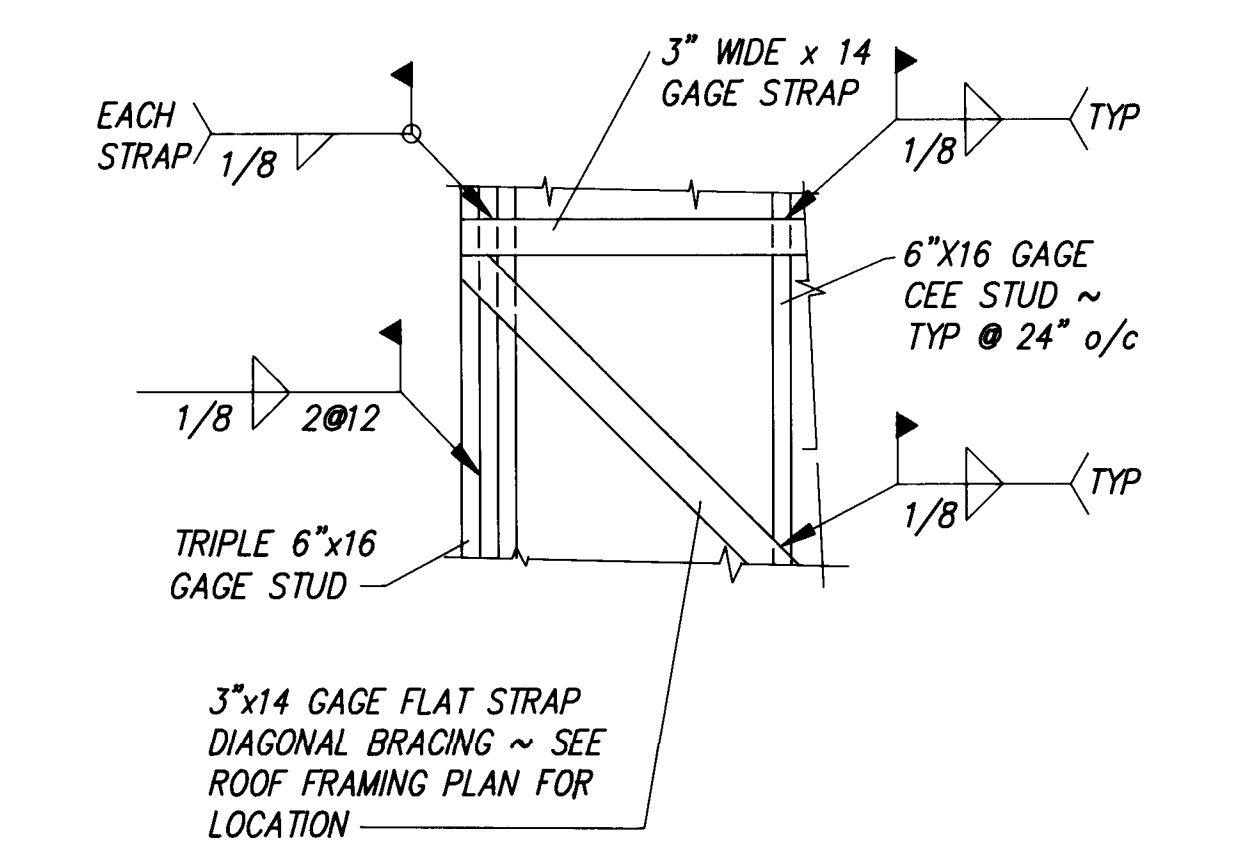
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| DRAWING NO. | 3848 | MAP NO. | SHEET 21 OF 46 |
|             |      |         | S-08           |



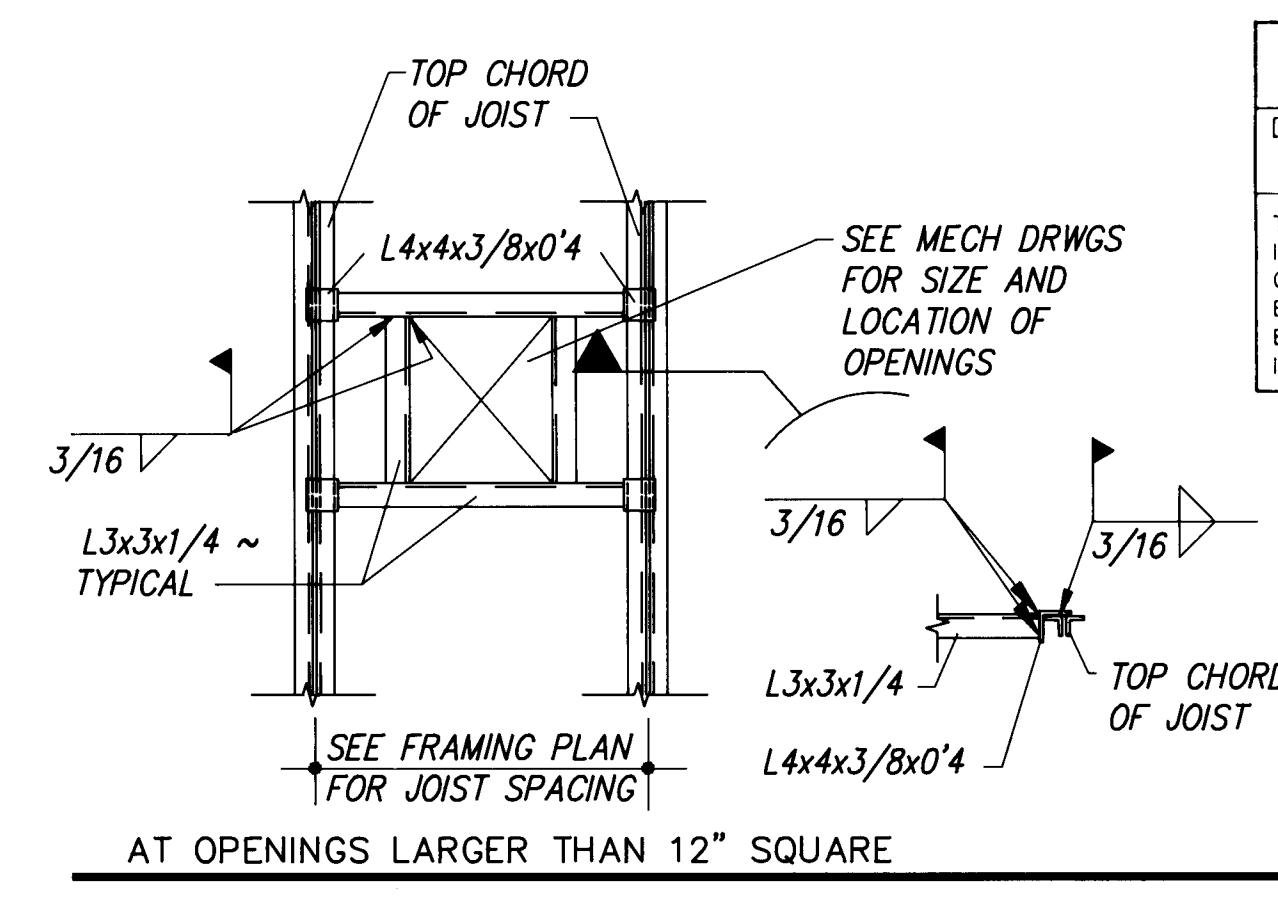
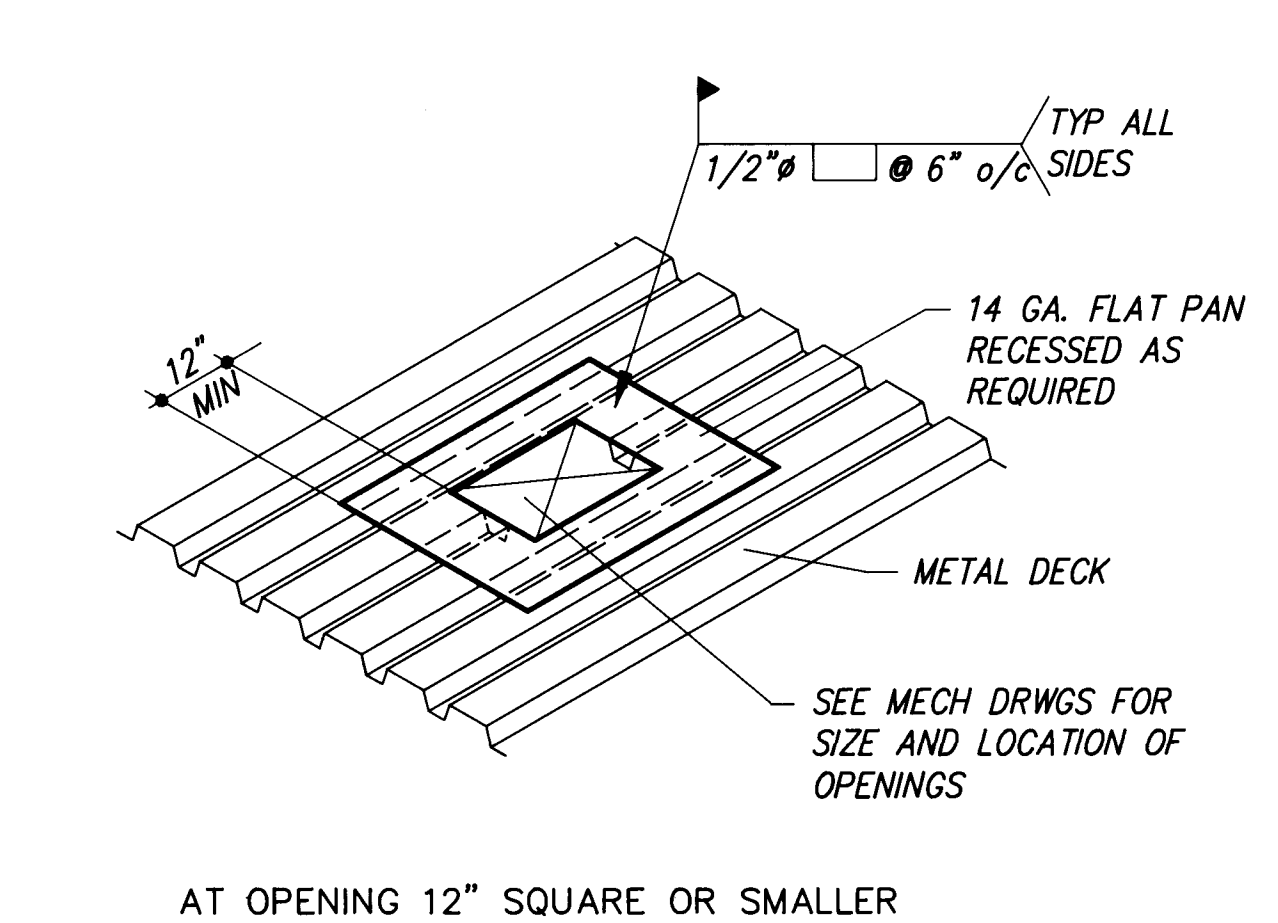
7 S-07 SCALE: 3/4" = 1'0"  
 8 S-07 SCALE: 3/4" = 1'0"  
 9 S-07 SCALE: 3/4" = 1'0"



TYPICAL STUD WALL ELEVATION  
 NO SCALE



A S-09 SCALE: 3/4" = 1'0"  
 B S-09 SCALE: 3/4" = 1'0"



AT OPENING 12" SQUARE OR SMALLER  
 AT OPENINGS LARGER THAN 12" SQUARE  
 NO SCALE

RECORD DRAWING  
 DATE: 4-17-89  
 DRAFTED BY: MCA  
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KEYED NOTES - SECTIONS

- 1 Compacted fill/backfill. See Specifications and notes on Sheet S-1 for requirements.
- 2 Concrete stiffening beam reinforced with 4 - #5 continuous and #4 stirrups with 24" horizontal leg at the top spaced at 24" o/c except as shown otherwise.
- 3 Concrete slab on grade reinforced with WWF6x6-W2.1xW2.1.
- 4 Rigid insulation. See Architectural Drawings and Specifications for requirements.
- 5 4" thick concrete apron reinforced with WWF6x6-W2.1xW2.1. See Architectural Drawings for extent of apron.
- 6 Steel stud wall with 6"x16 gage punched cee studs spaced at 24" o/c and 6"x16 gage deep leg tracks top and bottom. See Sheet S-9 for construction.
- 7 Continuous 6"x16 gage punched cee stud at window sill.
- 8 Light gage steel beam from 2-8"x16 gage unpunched steel joist and 2-6"x16 gage deep leg tracks top and bottom.
- 9 Open web joist welded to supporting member with 1/8"x2" fillet welds each side. See ROOF FRAMING PLAN, Sheet S-7 for size, length and spacing.
- 10 Continuous 3x3x1/4 steel angle. Attach to joist with 3/16" fillet weld. Attach to steel studs with 1/8" fillet welds each side each joist.
- 11 3"x3"x1/4"x2'4" steel angle attached to joists with 1/8" fillet welds each side each stud.
- 12 Continuous joist bridging as required by joist manufacturer and Steel Joist Institute. Attach to joists and members in accordance with Steel Joist Institute requirements.
- 13 1-1/2"x20 gage, type B, painted steel roof deck. See notes on Sheet S-7 for attachment to supporting members.
- 14 Steel stud soffit with 4"x16 gage punched cee studs spaced at 24" o/c and 4"x16 gage deep leg tracks each end.
- 15 Steel stud bracing with 4"x16 gage punched cee studs spaced at 24" o/c.

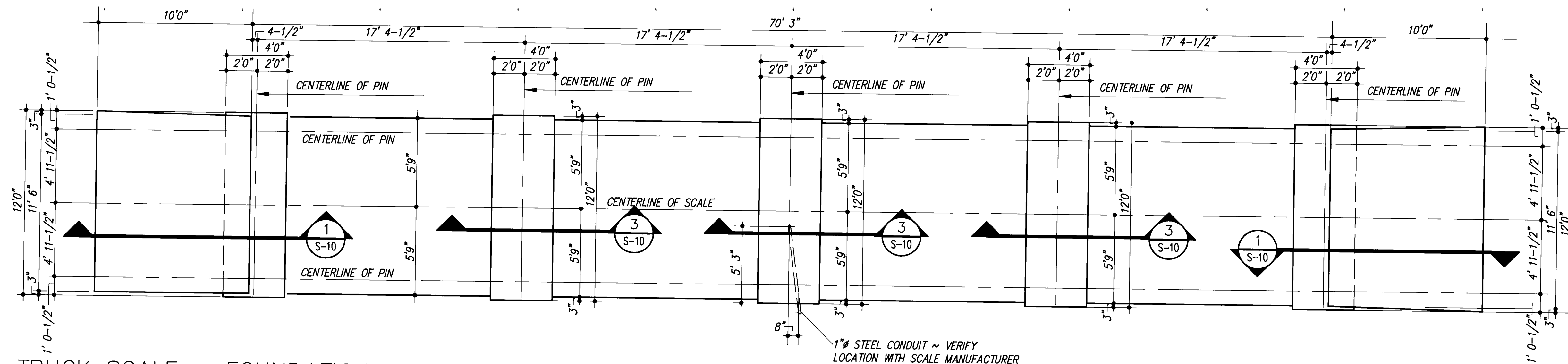
ENGINEER'S SEAL  
 LICENSE NO. 8823  
 REGISTERED PROFESSIONAL ENGINEER  
 ALBUQUERQUE, NEW MEXICO  
 BACCHUS CONSULTING ENGINEERING  
 ALBUQUERQUE, NEW MEXICO

REVISIONS  
 NO. DATE BY  
 DESIGN  
 DATE FEB. 1988  
 DRAWN BY B.C.E.  
 CHECKED BY L.K.G.  
 DATE FEB. 1988

CITY OF ALBUQUERQUE, NEW MEXICO  
 SOILS AMENDMENT FACILITY  
 PHASE II B-3, CONTRACT 4  
 MOLZEN-CORBIN  
 STANLEY CONSULTANTS  
 A JOINT VENTURE

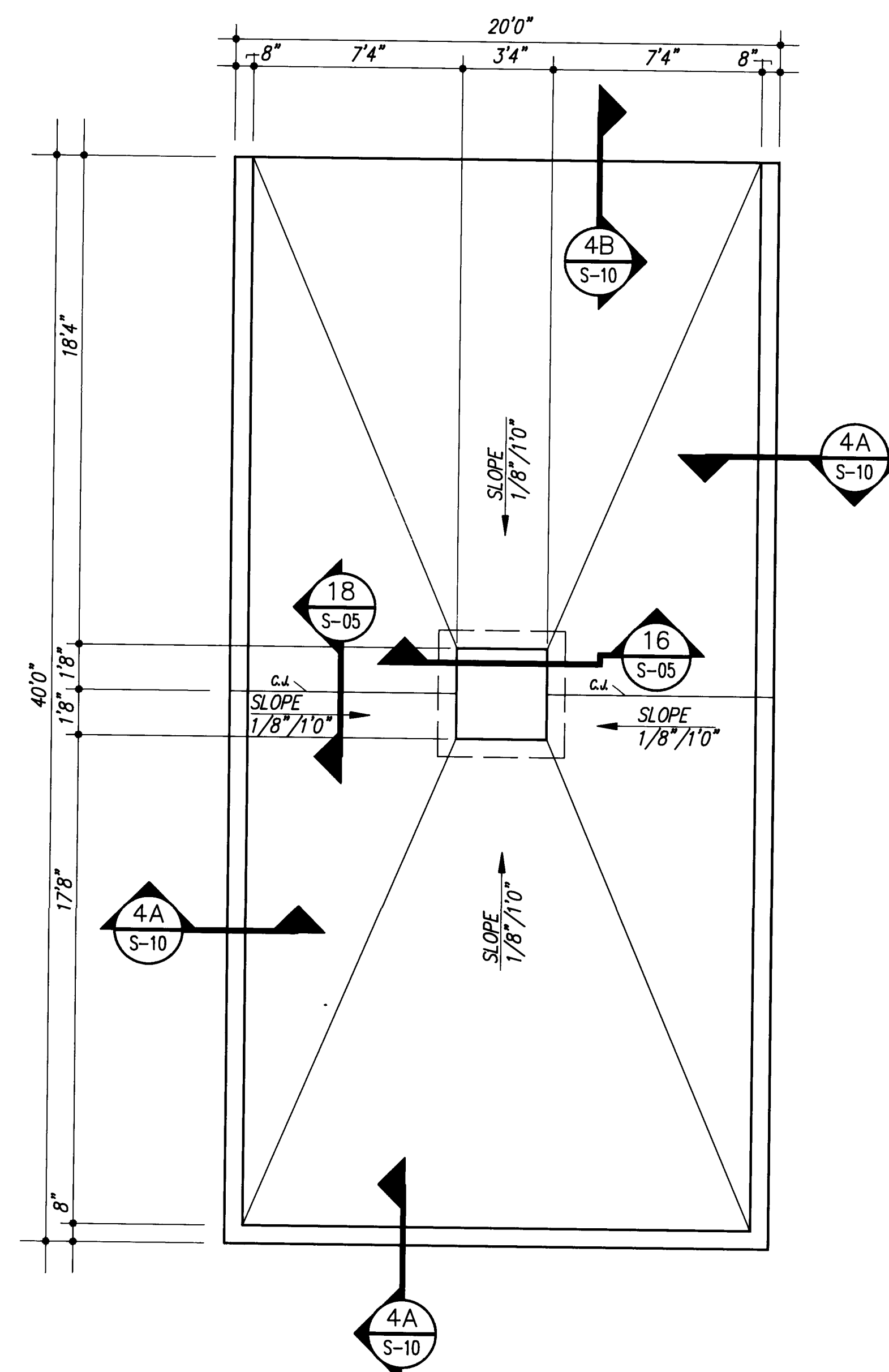
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION |          |      |                        |          |      |
|------------------------------------------------------------------------|----------|------|------------------------|----------|------|
| TITLE: LAND APPLICATION FACILITIES                                     |          |      |                        |          |      |
| ADMINISTRATION BUILDING - SECTIONS                                     |          |      |                        |          |      |
| APPROVALS                                                              | ENGINEER | DATE | APPROVALS              | ENGINEER | DATE |
| City Engineer                                                          |          |      | Liquid Waste           |          |      |
| A.C.E.-Design                                                          |          |      | Traffic                |          |      |
| A.C.E.-Hydrology                                                       |          |      | Water                  |          |      |
| DRAWING NO. 3848                                                       | MAP NO.  |      | SHEET 22 OF 46<br>S-09 |          |      |

|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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| ENGINEER'S SEAL                                                                                                                                      |  |  |  |  |  |  |  |  |  | SURVEY INFORMATION |  |  |  |  |    |  |  |  |  | BENCH MARKS |  |  |  |  |  |  |  |  |  | AS BUILT INFORMATION |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| <br>BACHUS<br>CONSULTING ENGINEERING<br>ALBUQUERQUE, NEW MEXICO |  |  |  |  |  |  |  |  |  | FIELD NOTES        |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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| NO. DATE                                                                                                                                             |  |  |  |  |  |  |  |  |  | REMARKS            |  |  |  |  |    |  |  |  |  | BY          |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                    |  |  |  |  |    |  |  |  |  |             |  |  |  |  |  |  |  |  |  |                      |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
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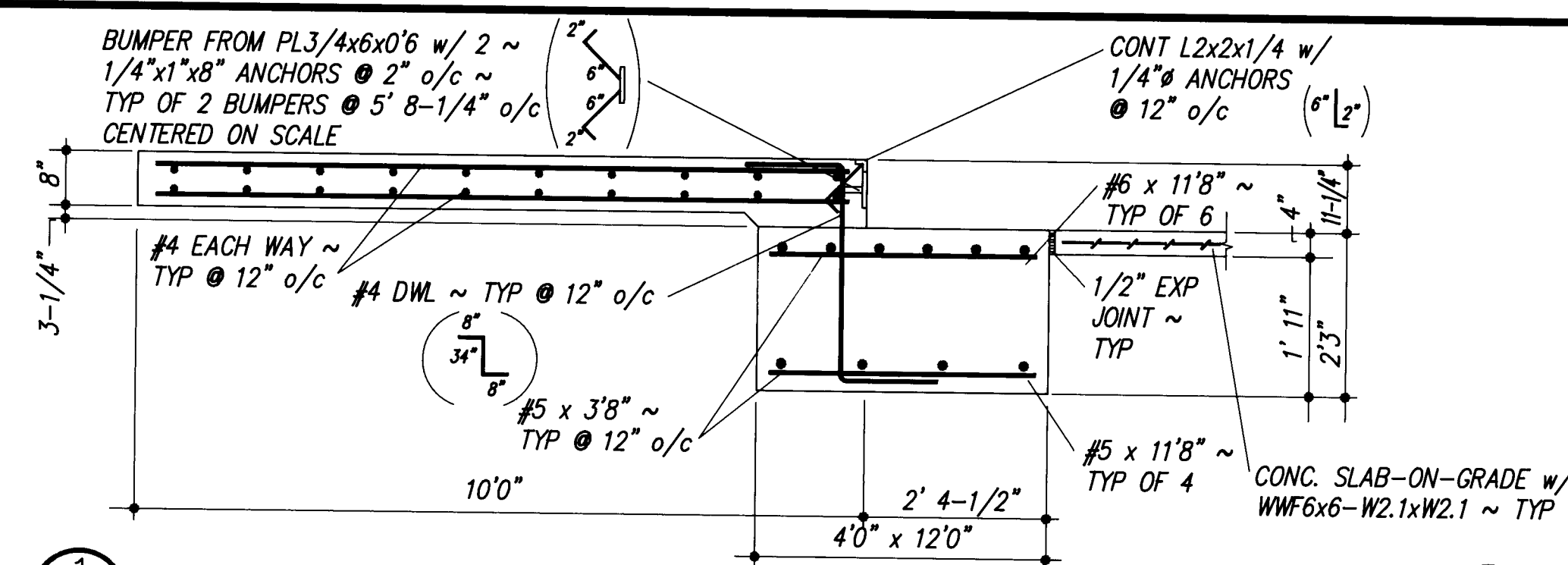
- NOTES:
1. FOOTINGS HAVE BEEN DESIGNED FOR A CONCENTRATED LOAD OF 40,000 POUNDS ACTING AT EACH PIN.
  2. VERIFY ALL DIMENSIONS WITH SCALE MANUFACTURER BEFORE BEGINNING CONSTRUCTION.
  3. ANCHOR BOLTS AND GROUT POCKETS NOT SHOWN. COORDINATE SIZES AND LOCATIONS WITH SCALE MANUFACTURER BEFORE BEGINNING CONSTRUCTION.

TRUCK SCALE - FOUNDATION PLAN

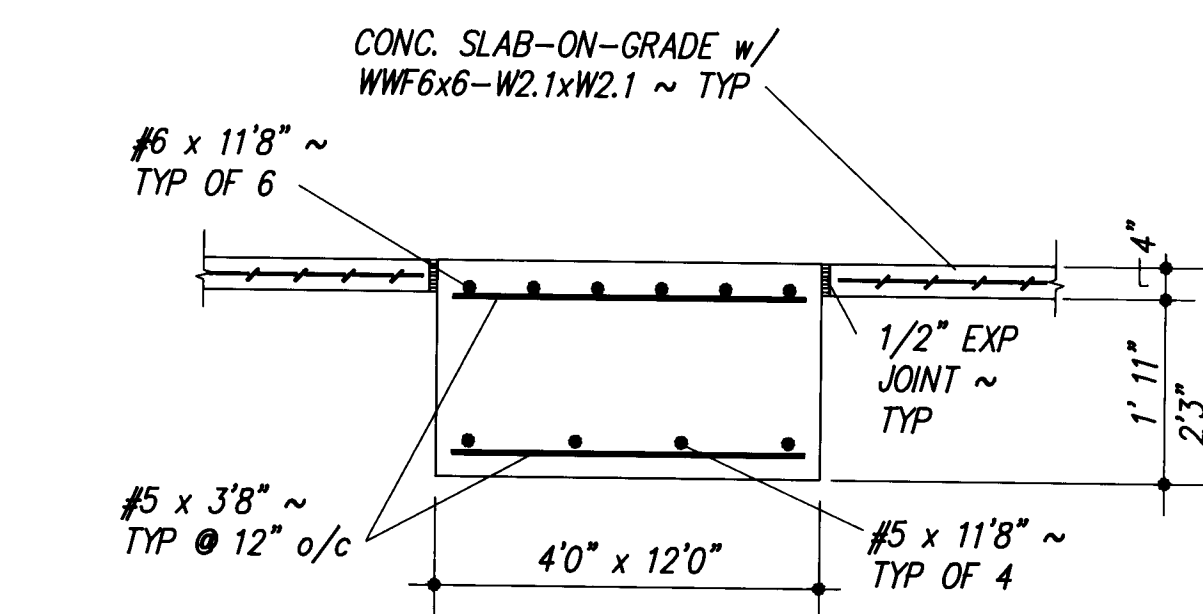


WASH AREA - SLAB PLAN

SCALE: 1/4" = 1'0"

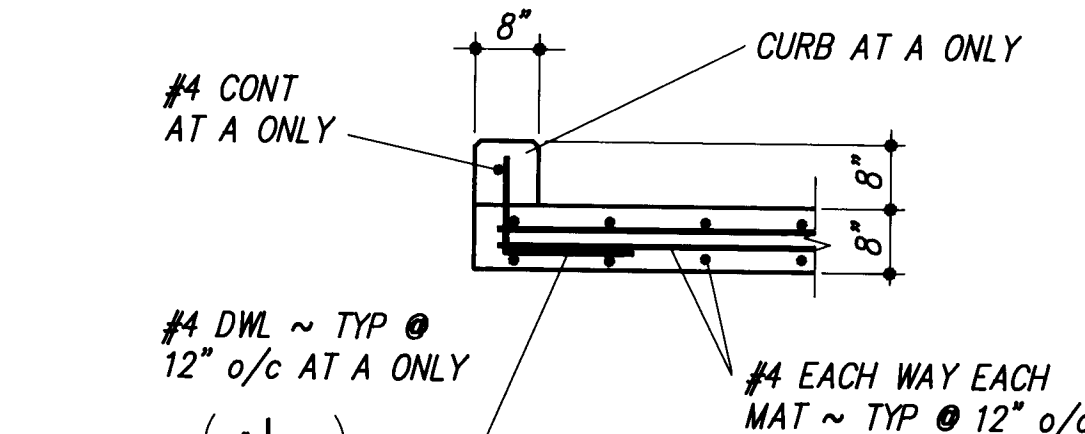


SCALE: 1/2" = 1'0"



SCALE: 1/2" = 1'0"

NOT USED



SCALE: 1/2" = 1'0"

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4

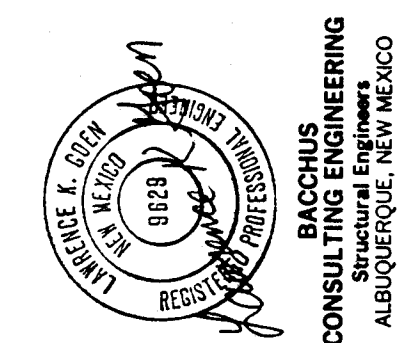


MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION          |          |         |              |                        |      |
|---------------------------------------------------------------------------------|----------|---------|--------------|------------------------|------|
| TITLE: LAND APPLICATION FACILITIES<br>TRUCK SCALE & WASH AREA - PLANS & DETAILS |          |         |              |                        |      |
| APPROVALS                                                                       | ENGINEER | DATE    | APPROVALS    | ENGINEER               | DATE |
| City Engineer                                                                   |          |         | Liquid Waste |                        |      |
| A.C.E.-Design                                                                   |          |         | Traffic      |                        |      |
| A.C.E.-Hydrology                                                                |          |         | Water        |                        |      |
| DRAWING NO. 3848                                                                |          | MAP NO. |              | SHEET 23 OF 46<br>S-10 |      |

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 23 89

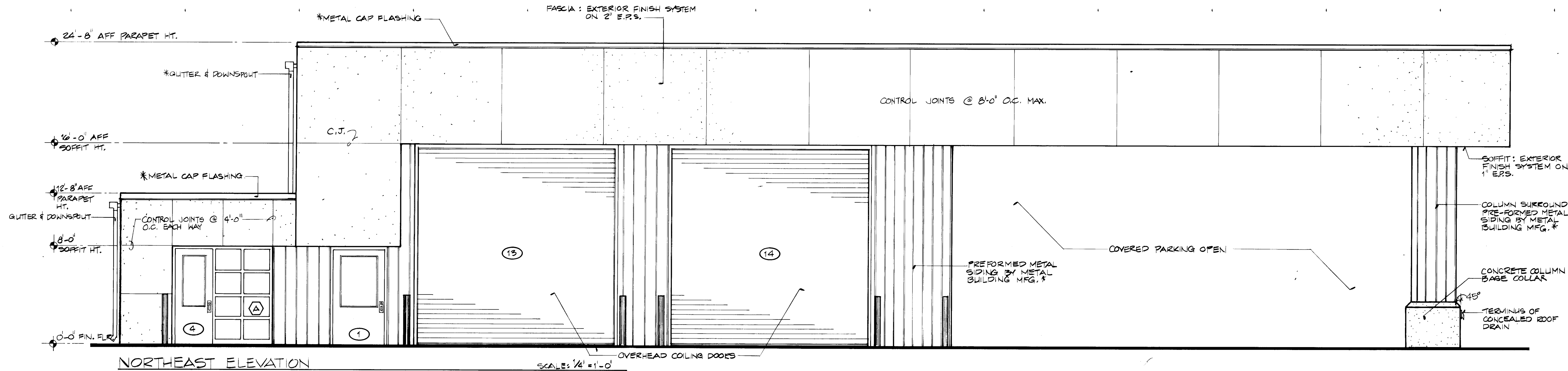
| AS BUILT INFORMATION   |      | BENCH MARKS |      | SURVEY INFORMATION |      | ENGINEER'S SEAL |      |
|------------------------|------|-------------|------|--------------------|------|-----------------|------|
| CONTRACTOR             | DATE | NO.         | DATE | NO.                | DATE | NO.             | DATE |
| WORK                   |      |             |      |                    |      |                 |      |
| STAMPED BY             |      |             |      |                    |      |                 |      |
| ACCEPTANCE BY          |      |             |      |                    |      |                 |      |
| FIELD                  |      |             |      |                    |      |                 |      |
| ADJUSTMENT BY          |      |             |      |                    |      |                 |      |
| DRAWINGS               |      |             |      |                    |      |                 |      |
| CORRECTIONS BY         |      |             |      |                    |      |                 |      |
| MICRO-FILM INFORMATION |      |             |      |                    |      |                 |      |
| RECORDED BY            |      |             |      |                    |      |                 |      |
| NO.                    |      |             |      |                    |      |                 |      |



RACIUS  
Consulting Engineers  
Albuquerque, New Mexico

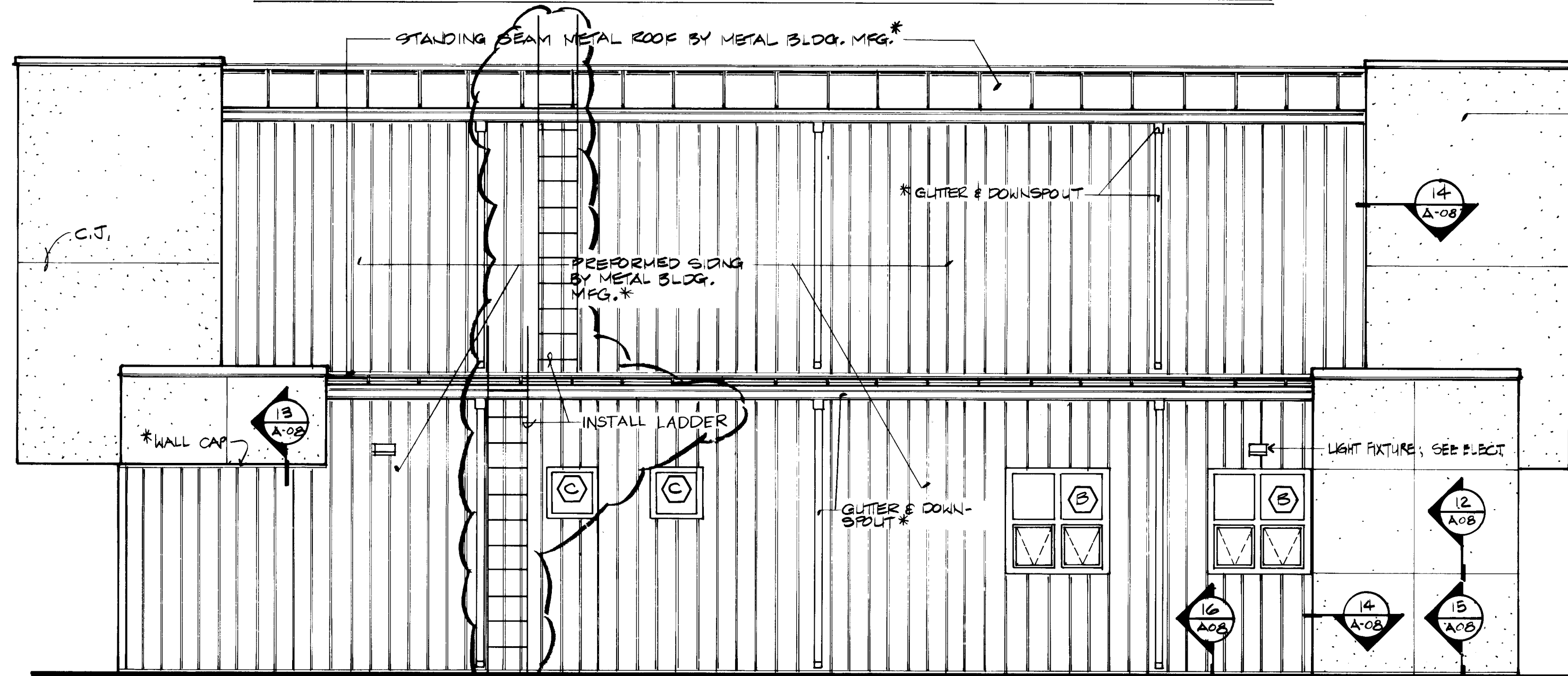
| DESIGN      |        |                |
|-------------|--------|----------------|
| DESIGNED BY | B.C.E. | DATE FEB. 1988 |
| DRAWN BY    | B.C.E. | DATE FEB. 1988 |
| CHECKED BY  | L.K.G. | DATE FEB. 1988 |





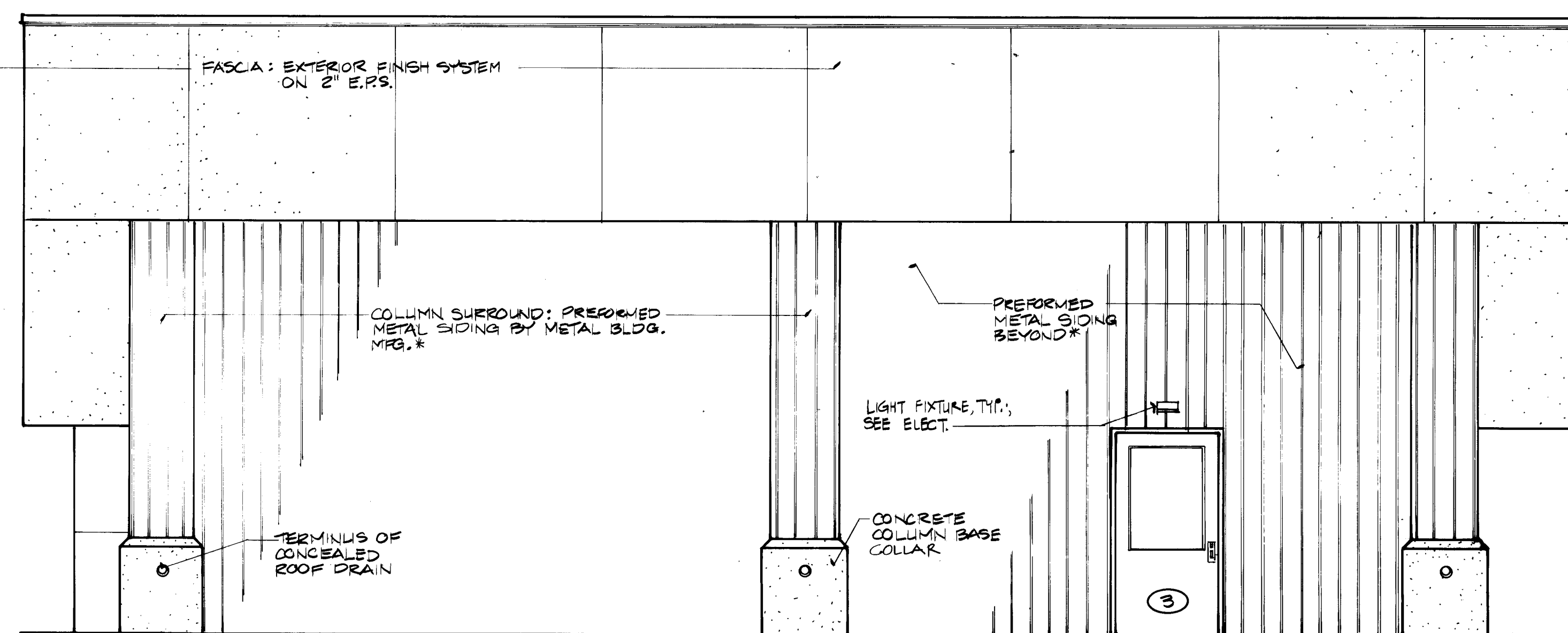
NORTHEAST ELEVATION

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



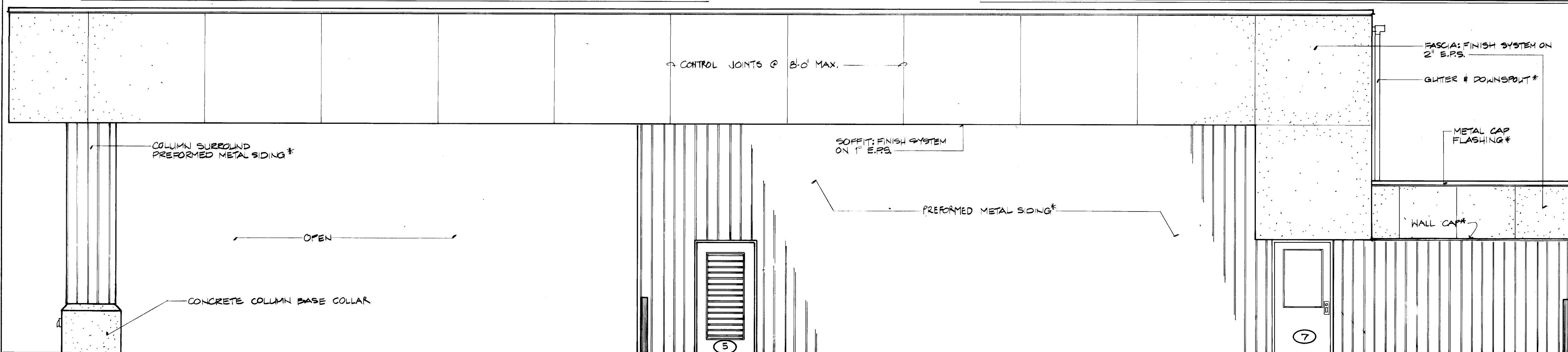
SOUTHEAST ELEVATION

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



NORTHWEST ELEVATION

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



SOUTHWEST ELEVATION

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

NOTE:

\*INDICATES COMPONENTS OF METAL BUILDING MFG.; SEE SPEC. SECTION 12100

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 25 89

| AS BUILT INFORMATION |      | BENCH MARKS                                                              |      | SURVEY INFORMATION                            |      | ENGINEER'S SEAL   |      |
|----------------------|------|--------------------------------------------------------------------------|------|-----------------------------------------------|------|-------------------|------|
| CONTRACTOR           | DATE | NO.                                                                      | DATE | NO.                                           | DATE | NO.               | DATE |
| WORKED BY            | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> <td>NO. <td>DATE</td> </td></td> | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> </td> | DATE | NO. <td>DATE</td> | DATE |
| INSPECTED BY         | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> <td>NO. <td>DATE</td> </td></td> | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> </td> | DATE | NO. <td>DATE</td> | DATE |
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| VERIFICATION BY      | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> <td>NO. <td>DATE</td> </td></td> | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> </td> | DATE | NO. <td>DATE</td> | DATE |
| DRAWINGS             | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> <td>NO. <td>DATE</td> </td></td> | DATE | NO. <td>DATE</td> <td>NO. <td>DATE</td> </td> | DATE | NO. <td>DATE</td> | DATE |
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| NO.                  |      | NO.                                                                      |      | NO.                                           |      | NO.               |      |

**RECORD DRAWING**

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO

**SOILS AMENDMENT FACILITY**

PHASE II B-3, CONTRACT 4

**MOLZEN-CORBIN**

STANLEY CONSULTANTS

A JOINT VENTURE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: **LAND APPLICATION FACILITIES**

**VEHICLE GARAGE ELEVATIONS**

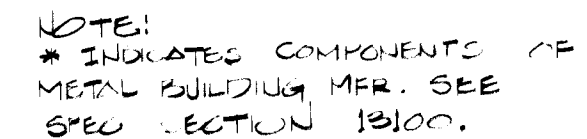
| APPROVALS    | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|--------------|----------|------|-----------|----------|------|
| D.R.C. Chair |          |      |           |          |      |
| Trans. Dev.  |          |      |           |          |      |
| Utility Dev. |          |      |           |          |      |

DRAWING NO. 3848

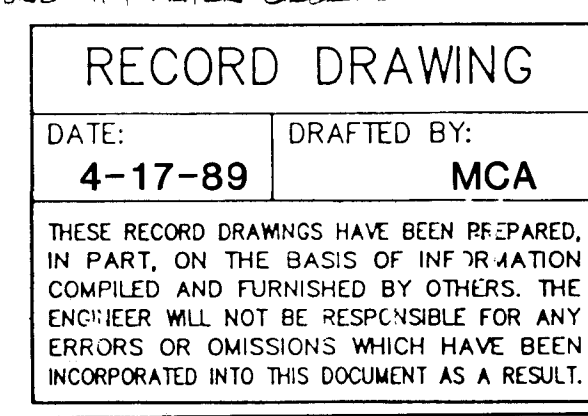
MAP NO.

SHEET 25 OF 46

A-02

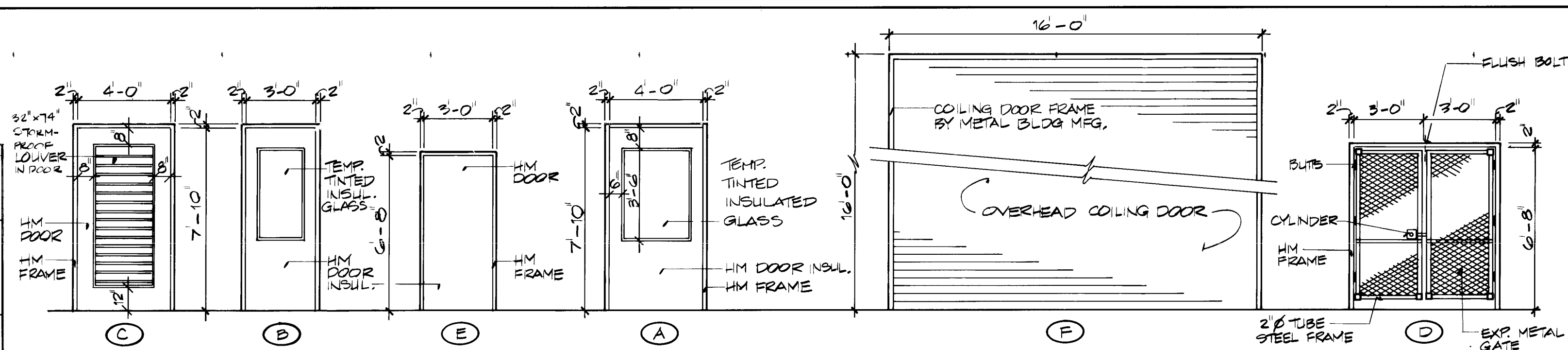
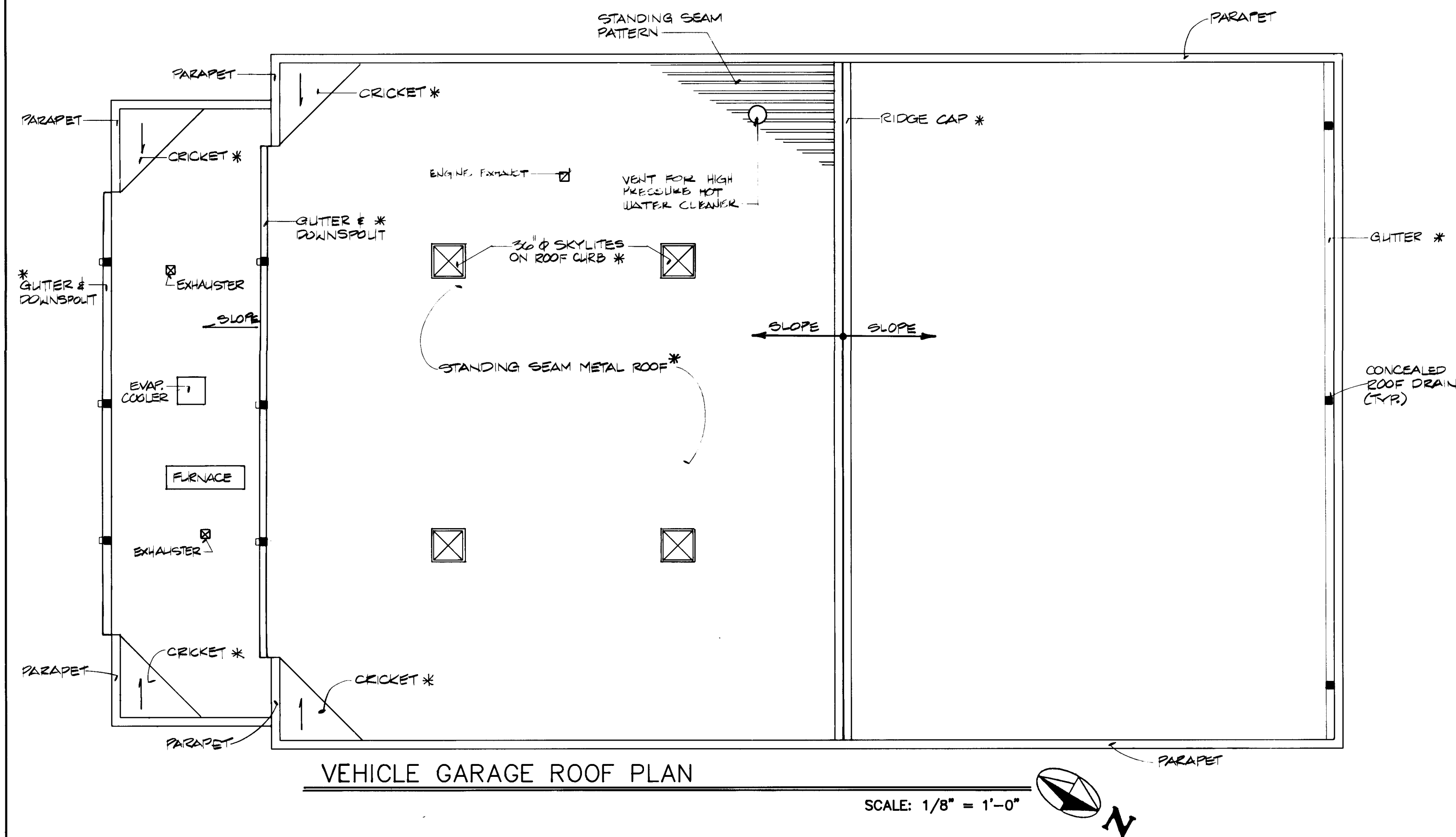
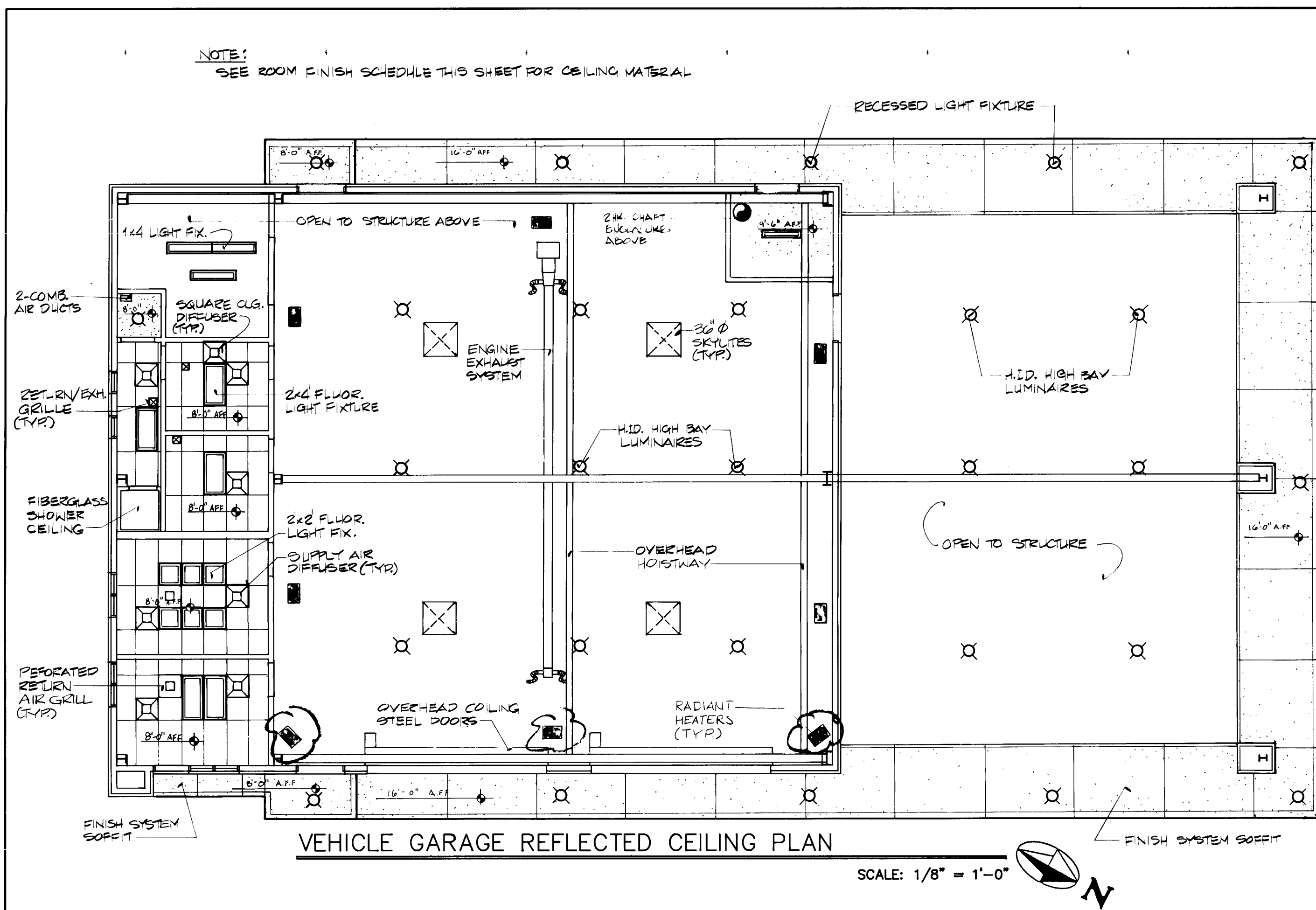

$$1/4'' = 1' - 0''$$


3 SECTION - 2 HR ENVELOURE  
A-03 FOR HIGH PRESSURE HOT WATER CLEANING @  $1.0''$



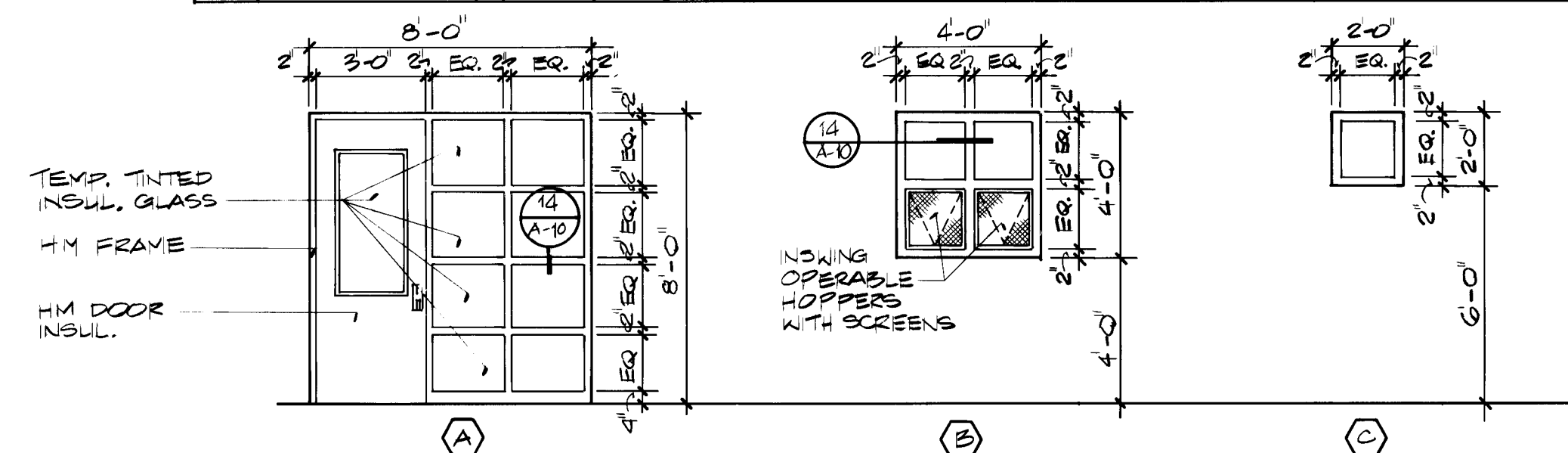
5 2 HR. PARTITION U.L.# U301  
A-03 C COLUMN 1-C

|             |      |         |                 |
|-------------|------|---------|-----------------|
| DRAWING NO. | 3848 | MAP NO. | SHEET 26. OF 46 |
|             |      |         | A-03            |



DOOR SCHEDULE - VEHICLE GARAGE BUILDING

| NO. | SIZE              | TYPE | MAT'L | HOW. NO. | DOOR                                   | NAME | TINTED GLASS | REMARKS             |
|-----|-------------------|------|-------|----------|----------------------------------------|------|--------------|---------------------|
| 1   | 4'-0" x 7'-10"    | A    | HM    | 1        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            | TEMPERED GLASS      |
| 2   | 4'-0" x 7'-10"    | A    | HM    | 1        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            | TEMPERED GLASS      |
| 3   | 4'-0" x 7'-10"    | A    | HM    | 1        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            | TEMPERED GLASS      |
| 4   | 3'-0" x 7'-10"    | B    | HM    | 1        | HEAD 8/A-10 JAMB 8/A-10 SILL 12/A-10   |      | ●            | TEMPERED GLASS      |
| 5   | 4'-0" x 7'-10"    | C    | HM    | 2        | HEAD 9/A-10 JAMB 9/A-10 SILL 12/A-10   |      | ●            | LOUVER              |
| 6   | PR. 3'-0" x 6'-8" | D    | STL   | 3        | HEAD 7/A-10 JAMB 7/A-10 SILL 12/A-10   |      | ●            | EXPANDED METAL GATE |
| 7   | 3'-0" x 6'-8"     | E    | HM    | 4        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            |                     |
| 8   | 3'-0" x 6'-8"     | E    | HM    | 4        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            |                     |
| 9   | 3'-0" x 6'-8"     | E    | HM    | 5        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            | 20 MIN. LABEL       |
| 10  | 3'-0" x 6'-8"     | E    | HM    | 4        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            |                     |
| 11  | 3'-0" x 6'-8"     | E    | HM    | 6        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            |                     |
| 12  | 3'-0" x 6'-8"     | E    | HM    | 6        | HEAD 12/A-10 JAMB 12/A-10 SILL 12/A-10 |      | ●            |                     |
| 13  | 16'-0" x 16'-0"   | F    | STL   | 7        |                                        |      |              | OVERHEAD COILING    |
| 14  | 16'-0" x 16'-0"   | F    | STL   | 7        |                                        |      |              | OVERHEAD COILING    |



WINDOW SCHEDULE - VEHICLE GARAGE BUILDING

| QTY. | TYPE | GLASS         | MATERIAL | DETAILS                             | REMARKS       |
|------|------|---------------|----------|-------------------------------------|---------------|
| 1    | A    | INSUL. TINTED | HM       | HEAD 7/A-10 JAMB 7/A-10 SILL 7/A-10 | TEMPERED      |
| 2    | B    | ●             | HM       | HEAD 7/A-10 JAMB 7/A-10 SILL 7/A-10 | HOPPER INSERT |
| 2    | C    | ●             | HM       | HEAD 7/A-10 JAMB 7/A-10 SILL 7/A-10 | HOPPER INSERT |

ROOM FINISH SCHEDULE - VEHICLE GARAGE BUILDING

| ROOM NUMBER | ROOM NAME          | FLOOR | BASE | WALLS | CEILINGS | REMARKS                         |
|-------------|--------------------|-------|------|-------|----------|---------------------------------|
| 01          | SHOP               | ●     | ●    | ●     | ●        |                                 |
| 02          | OFFICE             | ●     | ●    | ●     | ●        |                                 |
| 03          | LUNCHROOM          | ●     | ●    | ●     | ●        |                                 |
| 04          | RESTROOM           | ●     | ●    | ●     | ●        |                                 |
| 05          | DRESSING           | ●     | ●    | ●     | ●        |                                 |
| 06          | LOCKER ROOM        | ●     | ●    | ●     | ●        |                                 |
| 07          | TOOL CRIB          | ●     | ●    | ●     | ●        | ● GYP. BD. EXTENDS TO ROOF DECK |
| 08          | CLEANING EQUIPMENT | ●     | ●    | ●     | ●        |                                 |
|             | HWH                | ●     | ●    | ●     | ●        | 1 HR. RATING                    |

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 27 89

AS BUILT INFORMATION

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

ACCEPTANCE BY: \_\_\_\_\_ DATE: \_\_\_\_\_

VERIFICATION BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DRAWINGS: \_\_\_\_\_ DATE: \_\_\_\_\_

CORRECTIONS: \_\_\_\_\_ DATE: \_\_\_\_\_

RECORDS BY: \_\_\_\_\_ DATE: \_\_\_\_\_

NO. \_\_\_\_\_

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO. \_\_\_\_\_ BY \_\_\_\_\_ DATE: \_\_\_\_\_

ENGINEER'S SEAL

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO

SOILS AMENDMENT FACILITY

PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN

STANLEY CONSULTANTS

A JOINT VENTURE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITIES VEHICLE GARAGE ROOF PLAN & REFLECTED CEILING PLAN

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 27 OF 46 A-04

- GENERAL NOTES:**
1. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL DESIGN CRITERIA
  2. SEE STRUCTURAL DRAWINGS FOR CONCRETE FOOTING, SLAB, & APRON DESIGNS.
  3. \* INDICATES COMPONENTS OF METAL BUILDING MFR. SEE SPECIFICATION SECTION 1300

12'-8" A.F.F. TOP OF PARAPET  
EXTERIOR FINISH SYSTEM ON PARAPET & RETURN BEYOND  
GUTTER HANGER \*  
11'-0" A.F.F. NOM. LEAN-TO HEIGHT \*  
NOM. 8"X10" GUTTER \*  
EAVE FLASHING \*  
WALL CAP \*  
PURLIN \*  
EAVE GIRTS \*  
6"X16 GA. PUNCHED STEEL STUDS 24" O.C.  
3"X6 DOWNSPUT \* PAINTED  
3"X6 DEEP PRE-FORMED METAL SIDING \*  
WINDUW HEAD CLOSURE \* & SEALANT  
8'-0" A.F.F. FINISH CEILING  
LIGHT GAGE STEEL LINTEL FROM 2"X16 GA. UNPUNCHED STEEL JOISTS & 2"X16 GA. DEEP LEG TRACKS TOP & BOTTOM CONTINUOUS 6"X16 GA. PUNCHED CEE STUD & WINDOW SILL WALL CAP \* & SEALANT \*

STEEL STUD WALL 4"X16 GA. PUNCHED CEE STUDS SPACED @ 24" O.C. & 6"X16 GA. DEEP LEG TRACKS TOP & BOTTOM INTERMEDIATE PANEL BRACING \*  
1" PRE-FORMED METAL SIDING \*  
8"X6" EXT. INSUL. & FINISH SYSTEM  
3" DEEP PRE-FORMED METAL SIDING \*  
(EXTERIOR FINISH & ON 2" EPS ON WATER RESIST. GYP. BD. WHERE SHOWN ON BLDG. ELEVATIONS)  
2-BASE \* & SEALANT  
0'-0" FINISH FLOOR  
CONCRETE APRON - CEE STRUCT. SEALANT  
1" RIGID INSUL.

PAINTED CAP FLASHING \*  
PARAPET RETURN BEYOND  
EXTERIOR FINISH SYSTEM ON PARAPET & RETURN  
2" DEEP STANDING SEAM METAL ROOF PANELS \*  
GUTTER HANGER \*  
EAVE FLASHING \*  
WALL CAP \*  
NOM. 8"X10" GUTTER \*  
PURLIN \*  
EAVE GIRTS \*

3" DOWNSPUT \* PAINTED  
3" DEEP PRE-FORMED METAL SIDING \*  
(EXTERIOR FINISH SYSTEM ON 2" EPS ON WATER-RESIST. GYP. BD. WHERE SHOWN ON BLDG. ELEVATIONS)  
9" PRE-FORMED METAL SIDING \*  
8"X6" EXT. INSUL. & FINISH SYSTEM  
INTERMEDIATE GIRTS \*

INTERMEDIATE GIRTS \*

CAP FLASHING \* PAINTED  
PARAPET BEYOND  
2" DEEP STANDING SEAM METAL ROOF PANELS \*

LEAN-TO COLUMN BEYOND  
SOUND ATTENUATION @ ALL CURB JOINTS IN GARAGE BUILDING  
2"X4 SUSPENDED VINYL TILE CEILING  
FIBER GLA. REINFORCED POLYESTER PANELS WHERE INDICATED  
TINTED INSUL. GLASS  
H.M. WINDOW SECTION  
LINE OF LEAN-TO COLUMN BEYOND

1" PRE-FORMED METAL SIDING \*  
8"X6" EXT. INSUL. & FINISH SYSTEM  
3" DEEP PRE-FORMED METAL SIDING \*  
(EXTERIOR FINISH & ON 2" EPS ON WATER RESIST. GYP. BD. WHERE SHOWN ON BLDG. ELEVATIONS)  
2-BASE \* & SEALANT  
0'-0" FINISH FLOOR  
CONCRETE APRON - CEE STRUCT. SEALANT  
1" RIGID INSUL.

4" GRANULAR FILL ON VAPOR BARRIER  
COMPACTED SUBGRADE

EAVE GIRTS \*  
3" DEEP PRE-FORMED METAL SIDING \*  
AS CLOSURE FOR BACK OF SOFFIT  
16 GA. PUNCHED STEEL STUDS  
2-BASE \* & SEALANT

R-19 VINYL FACED ROOF INSULATION & EXPOSED LOCATIONS  
R-11 VINYL FACED WALL INSULATION & EXPOSED LOCATIONS  
TAPERED STRUCTURAL STEEL COLUMN  
PRE-FORMED CONCRETE WALL UP TO LEAN-TO RAFTER \*  
INTERMEDIATE HIGH WALL SUPPORT \*  
Z-FLASHING \*  
OPEN WALL GIRTS \*  
GIRTS CUP \*

ANGLE \*  
CHANNEL \*  
WALL TO ROOF FLASHING \*  
ROOF CHANNEL \*  
MAIN BUILDING WALL LINE  
LEAN-TO ROOF PANEL EXTENSION \*  
LEAN-TO RAFTER \*  
LEAN-TO RAFTER SUPPORT \*  
LEAN-TO ROOF PANEL \*  
R-19 BATT ROOF INSULATION  
CONTINUOUS GYP. BD. ATTIC CLOSURE  
6" LIGHT GAGE MET. FRAMING

1" RIGID INSUL. WATER-RESIST. GYP. BD. TO 8'-0" & 3/8"X1/2" GA. MET. STUDS TO 6'-0" (CEILING & COLUMN JOINTS)  
6" LIGHT GAGE METAL FRAMING WITH WATER-RESIST. GYP. BD. WITH SOUND ATTENUATION @ PART BETWEEN LEAN-TO TOP

R.R.P. CAP  
FIBERGLASS REINFORCED POLYESTER PANELS TO 4'-0" A.F.F. (TYP. OF 3)  
R.R.P. BASE

NOTE: SEE STRUCTURAL DRAWINGS FOR CLARIFYING & APRON DESIGNS.

PARAPET BEYOND

SOFFIT VENT  
EAVE FLASHING \*  
WALL CAP \*  
PURLIN \*

BACKFLASHING \*  
CAP FLASHING - PAINTED \*  
24'-8" A.F.F. TOP OF PARAPET  
TOP FASCIA GIRTS \*  
VERT. GIRTS \*  
INTERMEDIATE BRACING \*  
SOFFIT VENTS  
2" DEEP STANDING SEAM MET. ROOF \*  
PANEL EXTENSION \*  
CONTINUOUS ANGLE \*

22'-0" A.F.F. NOM. BUILDING HEIGHT \*  
FACADE GUTTER \*  
PURLIN \*  
VERT. FACADE BEAM \*  
LIGHT GAGE METAL FRAMING FOR FINISH SYSTEM  
INTERMEDIATE GIRTS \*  
HORIZONTAL FACADE BEAM \*  
CONCEALED ROOF DRAIN-4" C.I. (TYPICAL OF 3)  
CROSS BRACING \*  
6"X16 GA. PUNCHED STEEL STUDS 24" O.C.  
EXT. GRADE GYP. SHEATH. 1/2" THICK  
2" EPS  
EXTERIOR FINISH SYSTEM ON FACIA

PORTAL FRAME @ END BAY \*  
(ALTERNATE WIND & SEISMIC BRACING) \*  
1" CHAMFER  
16' A.F.F. SOFFIT HEIGHT  
ROUTED DRIP EDGE  
6"X16 GA. PUNCHED STEEL STUDS  
EXT. GRADE GYP. SHEATHING  
1/2" EPS  
EXTERIOR FINISH SYSTEM ON SOFFIT

WALL CAP & SEALANT  
3" DEEP PRE-FORMED METAL SIDING \*  
PORTAL FRAME @ END BAY (ALTERNATE WIND & SEISMIC BRACING) \*  
TAPERED STRUCTURAL STEEL COLUMN \*  
METAL SIDING COLUMN UPR. END \*  
6"X16 GA. PUNCHED STEEL STUDS @ 16" O.C.

4'-0" OVERHANG

FACE OF PRE-FORMED METAL SIDING

4" C.I. CONCEALED ROOF DRAIN (TYP. OF 3)

2-BASE \* & SEALANT

4'-0" A.F.F. TOP OF CONCRETE C. WALL

ROOF DRAIN TERMINUS;  
4" CAST BRONZE SET IN CONCRETE COLLAR (TYP. OF 3)

1/2" EXP. JT. MATERIAL

CONCRETE COLLAR APRON COLUMN BASE - SEE STRUCTURAL

CONCRETE APRON 1" EXP. JT.

# RECORD DRAWING

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4



MOLZEN-CORBIN  
STANLEY CONSULTANTS  
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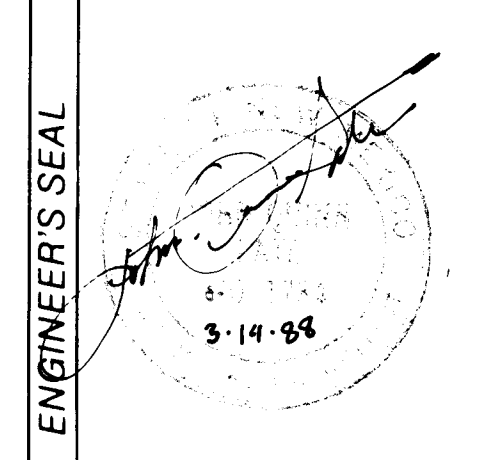
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: LAND APPLICATION FACILITIES  
VEHICLE GARAGE WALL SECTIONS

| APPROVALS    | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|--------------|----------|------|-----------|----------|------|
| D.R.C. Chair |          |      |           |          |      |
| Trans. Dev   |          |      |           |          |      |
| Utility Dev  |          |      |           |          |      |

DRAWING NO. 3848 MAP NO. SHEET 28 OF 46 A-05

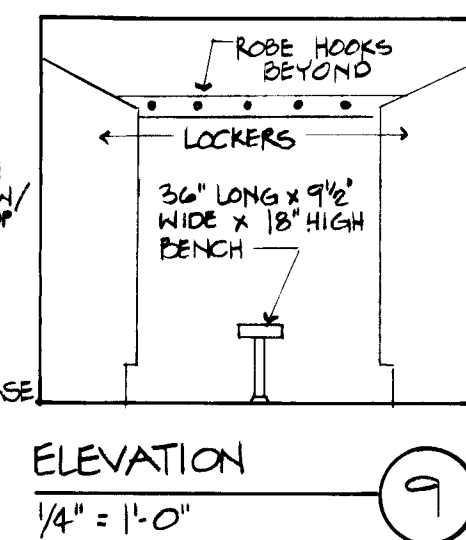
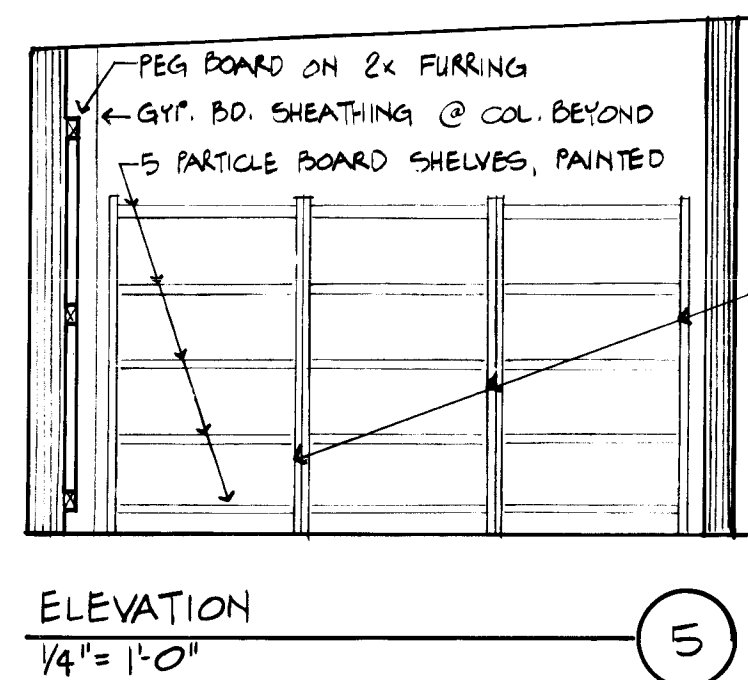
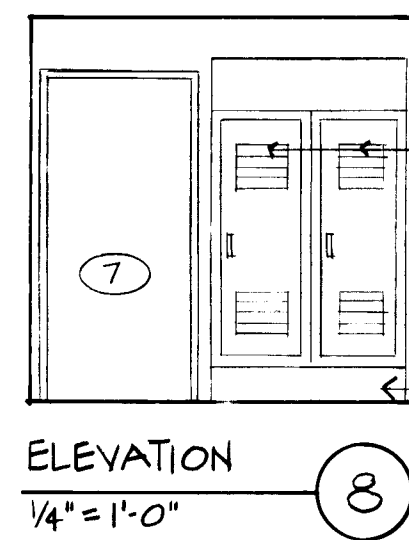
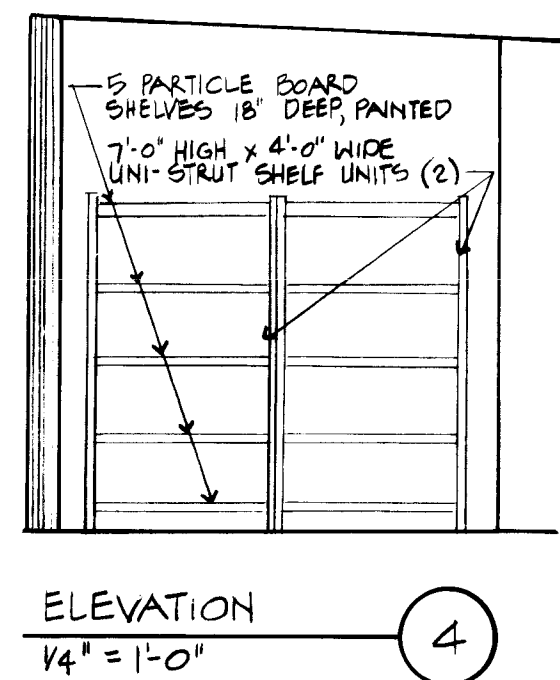
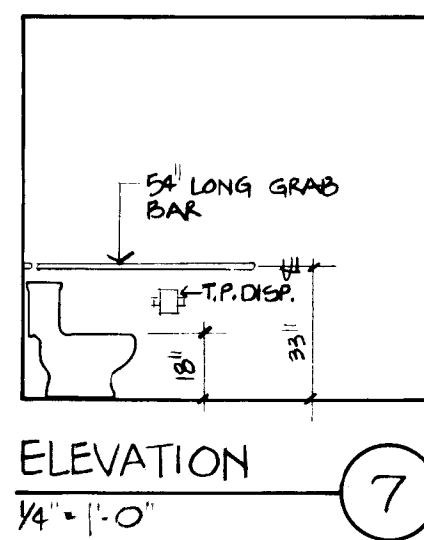
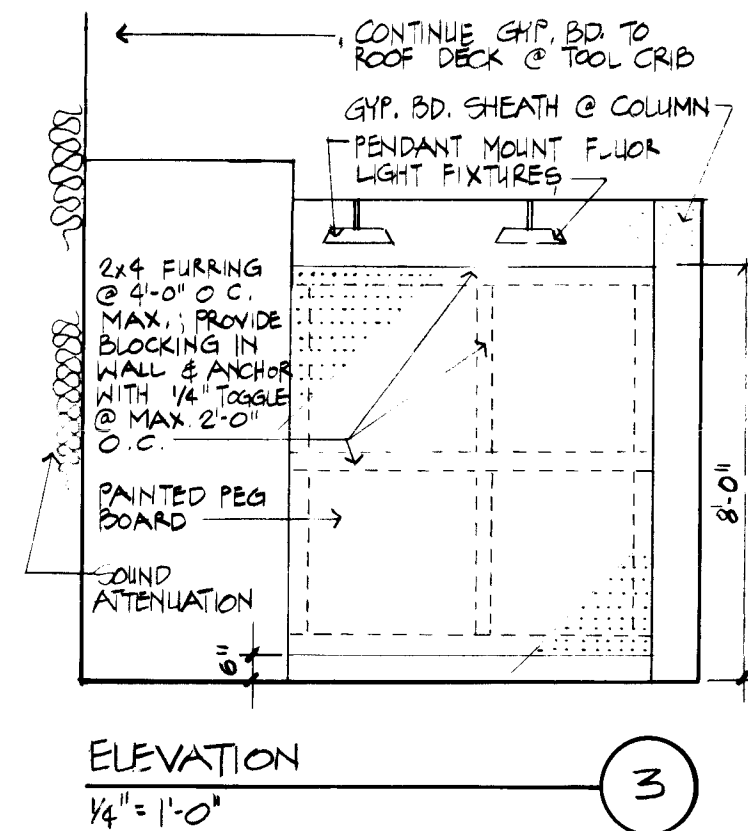
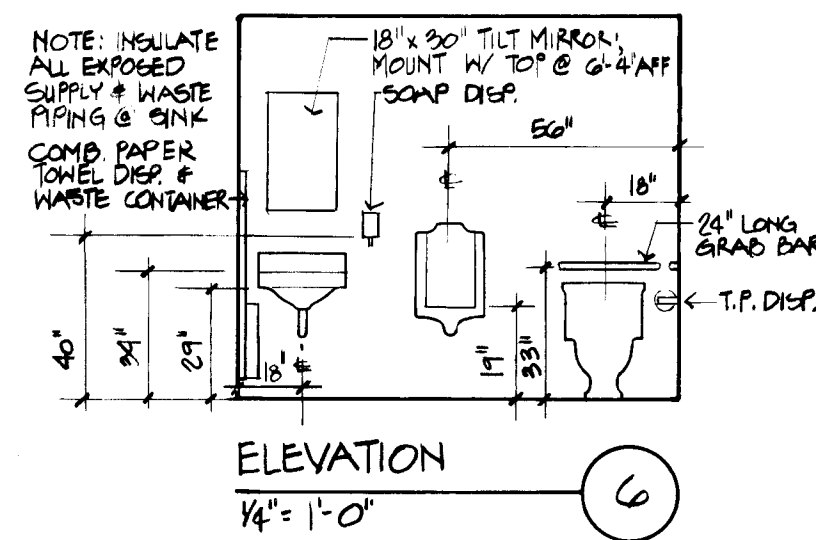
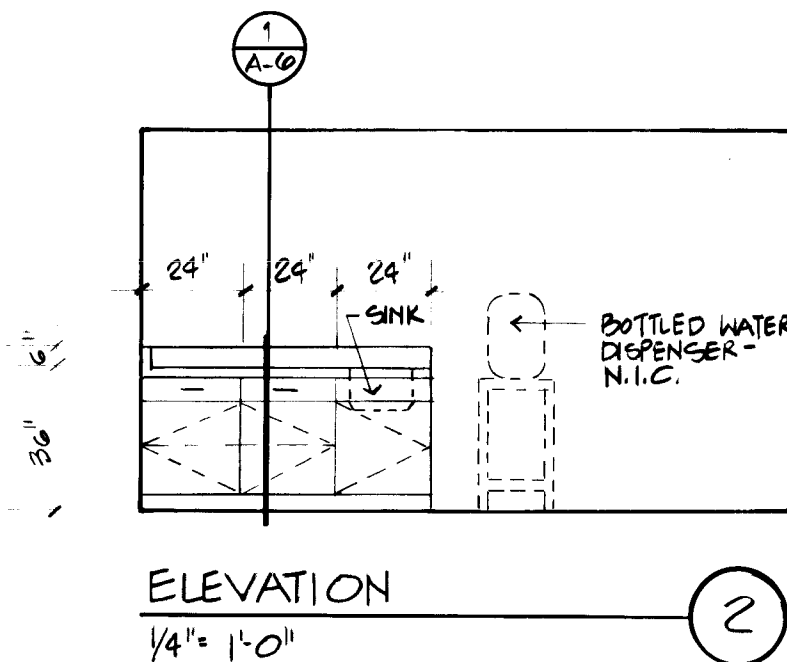
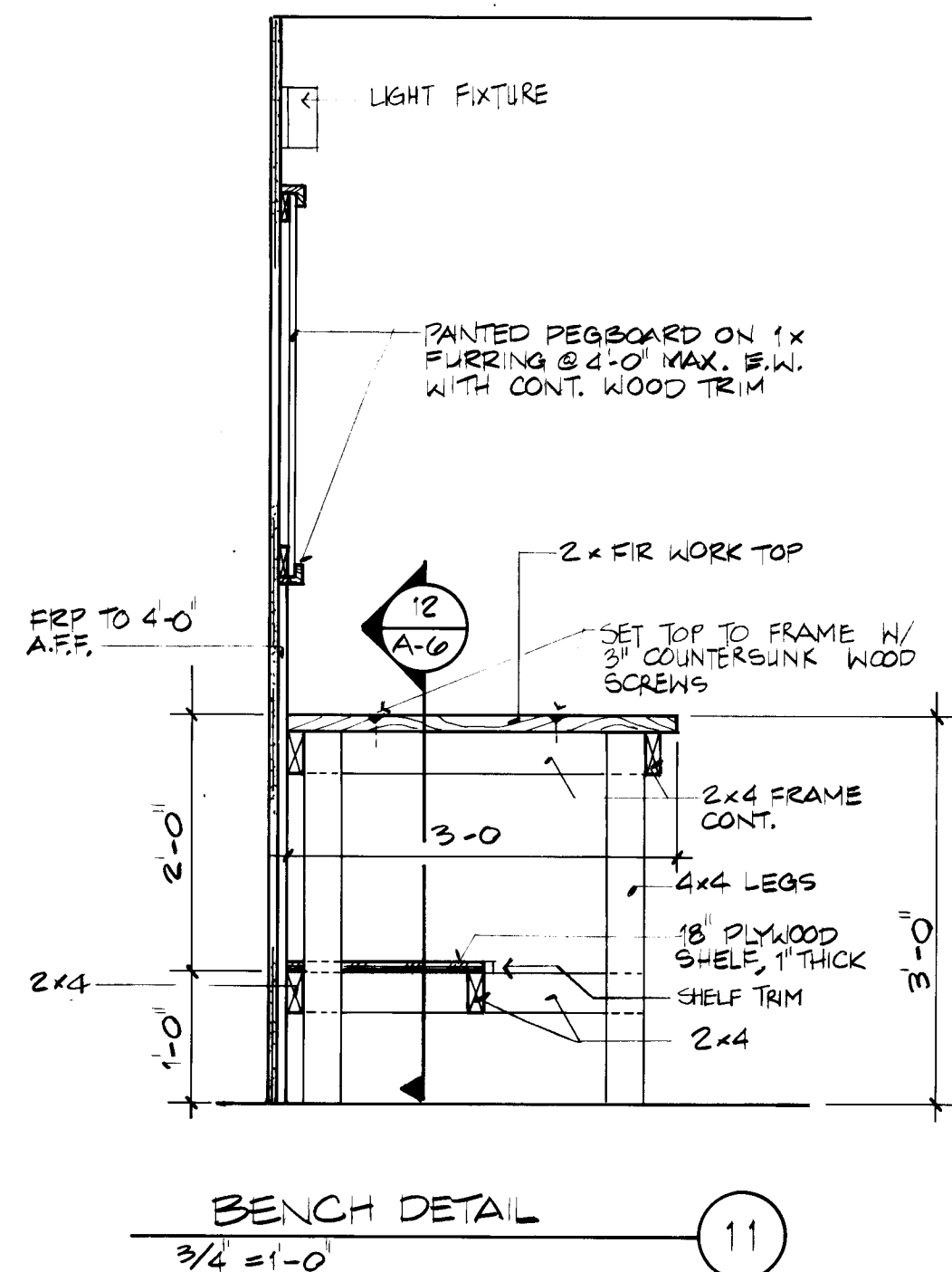
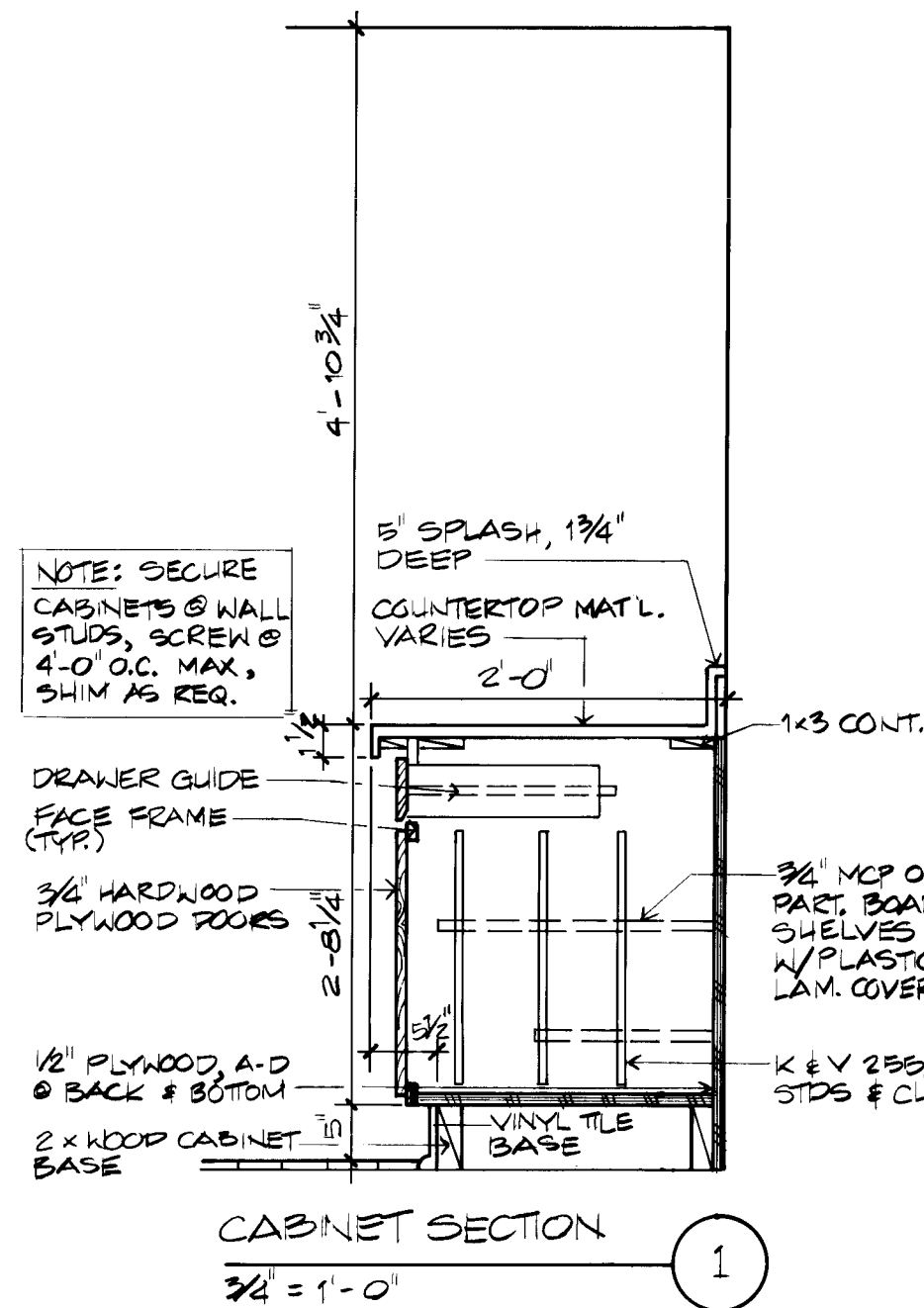
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| CONTRACTOR           | DATE | NO. | STATION     | DATE | NO. | FIELD NOTES        | DATE | NO. | NO.             | DATE | NO. |
|                      |      |     |             |      |     |                    |      |     |                 |      |     |



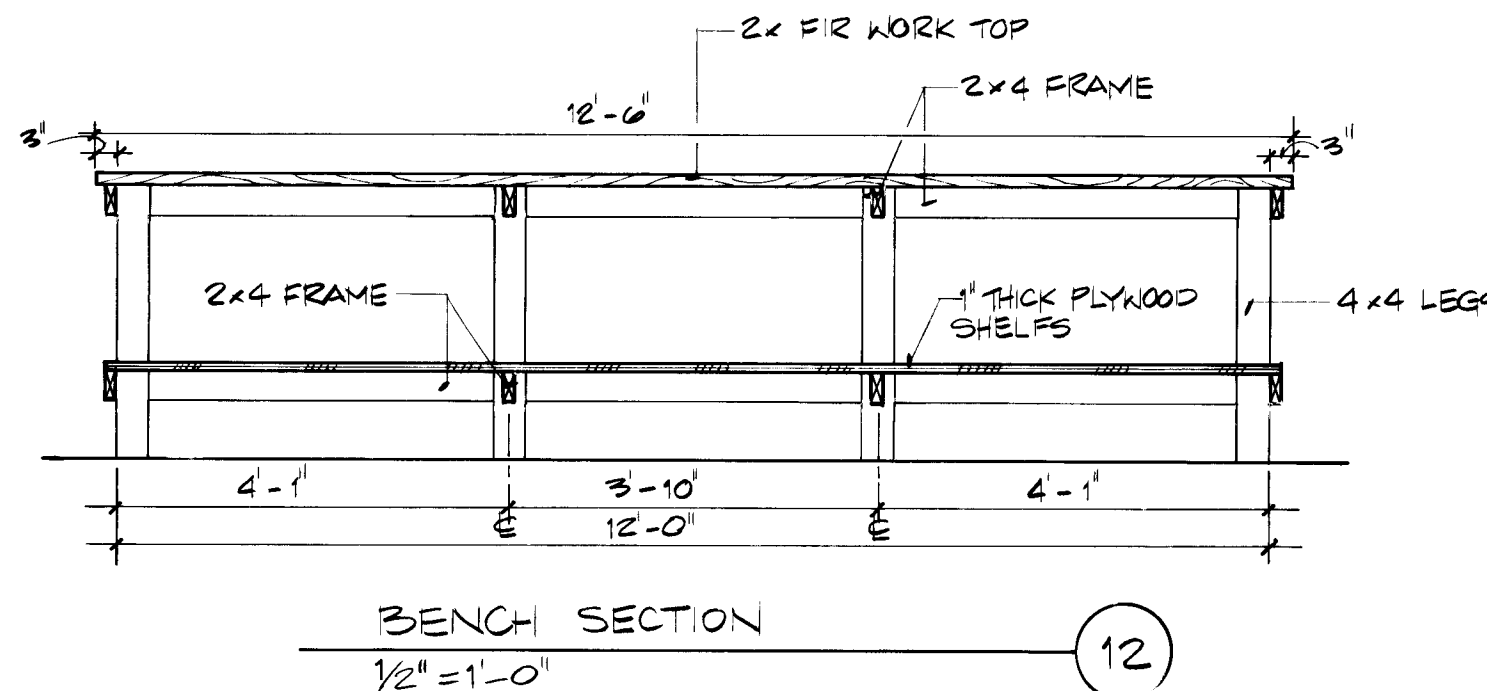
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|-----------|------|----|--------|------|----|
| NO.       | DATE | BY | NO.    | DATE | BY |
|           |      |    |        |      |    |

| DESIGNED BY | DATE | CHECKED BY | DATE |
|-------------|------|------------|------|
| JUN P       |      | JUN P      |      |

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 28 89



THREE 7'-0\"/>



| AS BUILT INFORMATION |      |     | BENCH MARKS |    |      | SURVEY INFORMATION |    |      | ENGINEER'S SEAL |    |      |
|----------------------|------|-----|-------------|----|------|--------------------|----|------|-----------------|----|------|
| CONTRACTOR           | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| WORK                 | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| STANDARD             | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| ACCEPTANCE           | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| FIELD                | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| CORRECTION           | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |
| RECORDED             | DATE | NO. | NO.         | BY | DATE | NO.                | BY | DATE | NO.             | BY | DATE |

3-14-89

| REVISIONS | DATE | BY |
|-----------|------|----|
| NO.       | DATE | BY |

DESIGNED BY J.C.P.

DRAWN BY J.C.P.

CHECKED BY J.C.P.

RECORD DRAWING

DATE: 4-17-89

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CITY OF ALBUQUERQUE, NEW MEXICO

SOILS AMENDMENT FACILITY

PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN

STANLEY CONSULTANTS

A JOINT VENTURE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE: LAND APPLICATION FACILITIES

VEHICLE GARAGE DETAILS

| APPROVALS    | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|--------------|----------|------|-----------|----------|------|
| D.R.C. Chair |          |      |           |          |      |
| Trans. Dev   |          |      |           |          |      |
| Utility Dev  |          |      |           |          |      |

DRAWING NO. 3848

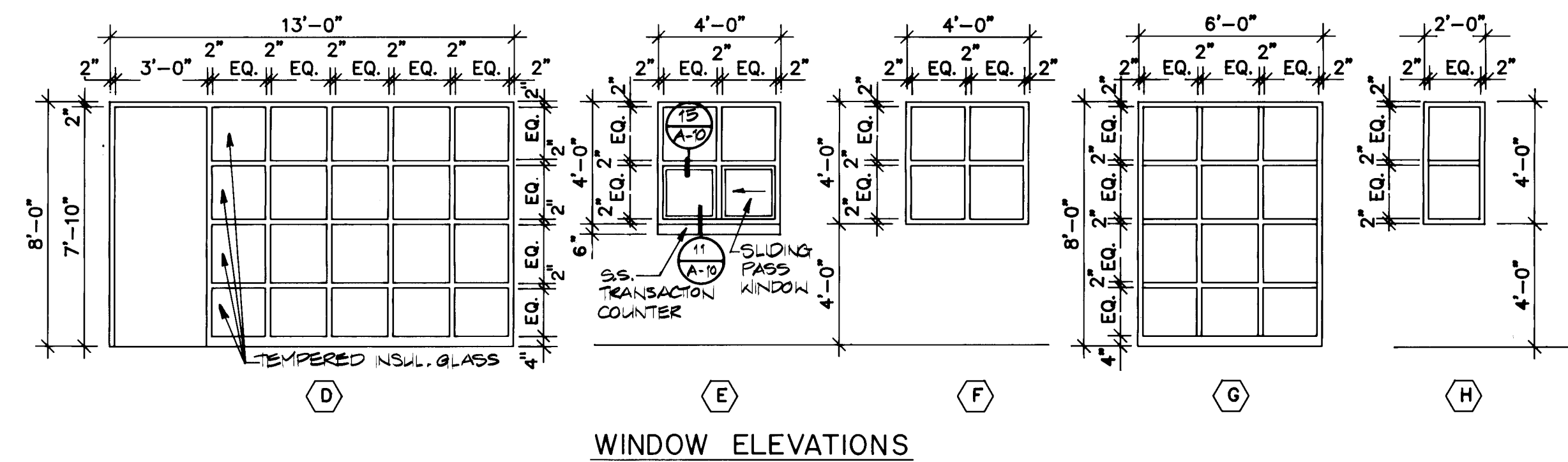
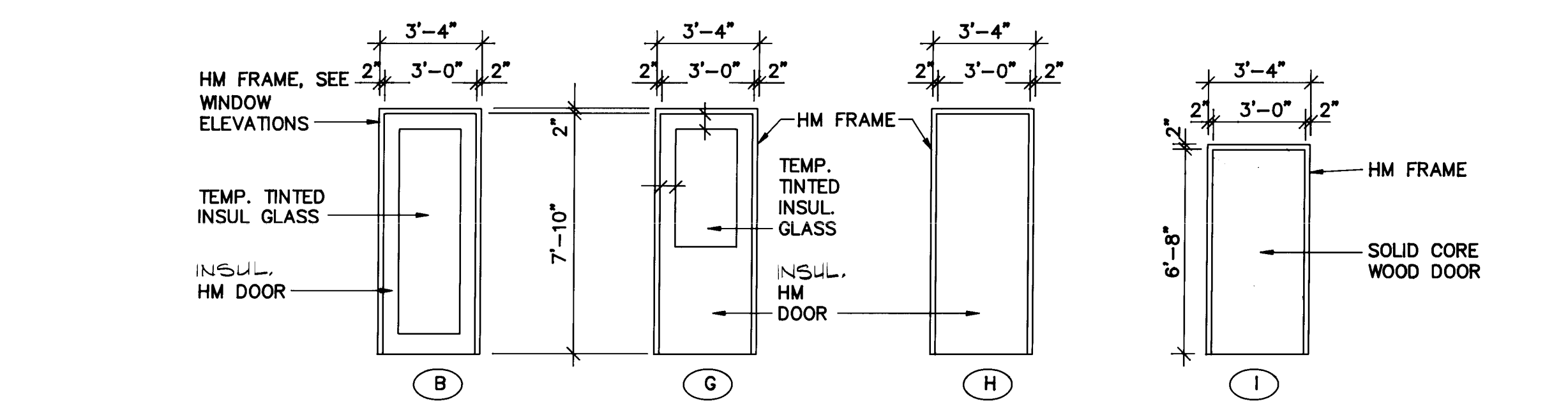
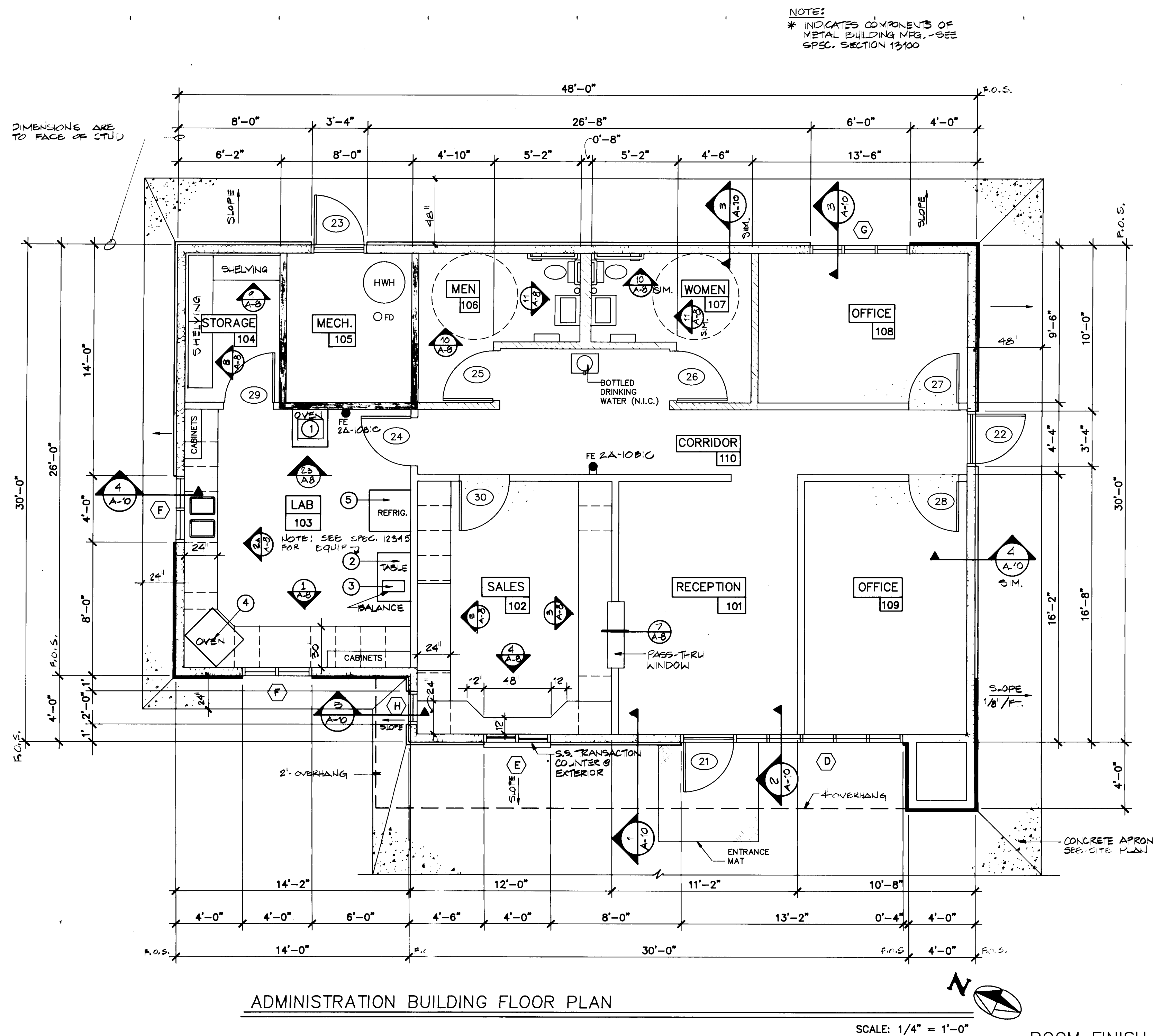
MAP NO.

SHEET 29 OF 46

A-06

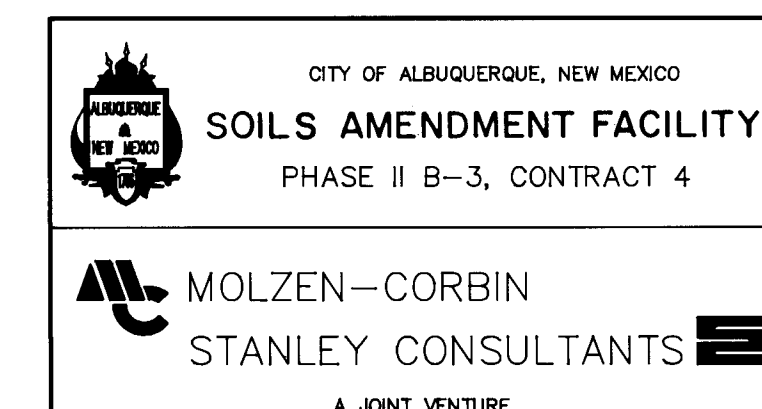
1 2 3 4 5 6 7 8 9 10 11 12

26 38 48 29 89



ROOM FINISH SCHEDULE - ADMINISTRATION BUILDING

| ROOM NAME      | FLOOR      |        | BASE | WALLS                               |                                         | CEILINGS                     |                                   | REMARKS                                            |
|----------------|------------|--------|------|-------------------------------------|-----------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------|
|                | VINYL TILE | CARPET |      | 5/8" GYP. BD. (PAINT-FLAT) TYPE "X" | 5/8" GYP. BD. (PAINT-SEMGLOSS) TYPE "X" | 2x4 SUSP. ACUSTIC TILE 1-HR. | 5/8" TYPE "X" GYP. BD. CLG. 1-HR. |                                                    |
| 101 RECEPTION  |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 102 SALES      |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 103 LAB        |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 104 STORAGE    |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 105 MECHANICAL |            |        |      |                                     |                                         |                              |                                   | WALLS • MECH. RM. EXTEND TO UNDERSIDE OF ROOF DECK |
| 106 MEN        |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 107 WOMEN      |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 108 OFFICE     |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 109 OFFICE     |            |        |      |                                     |                                         |                              |                                   |                                                    |
| 110 CORRIDOR   |            |        |      |                                     |                                         |                              |                                   |                                                    |



CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

TITLE: LAND APPLICATION FACILITIES

ADMINISTRATION BUILDING FLOOR PLAN

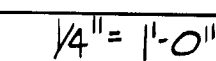
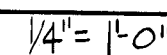
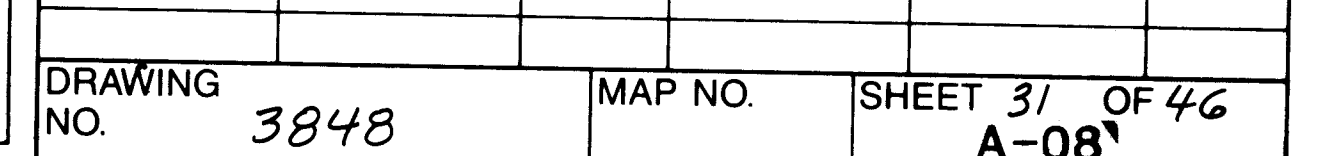
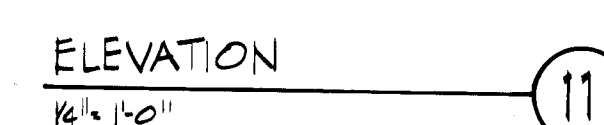
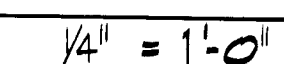
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| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.-Design    |          |      | Traffic      |          |      |
| A.C.E.-Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848

MAP NO.

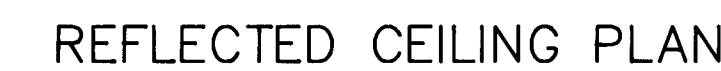
SHEET 30 OF 46

A-07


$$\frac{1}{4} = 0.25$$


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|   |   |   |   |   |   |   |   |   |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|
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| 2 | 6 |   | 3 | 8 | 4 | 8 | 3 | 1 | 8  | 9  |    |



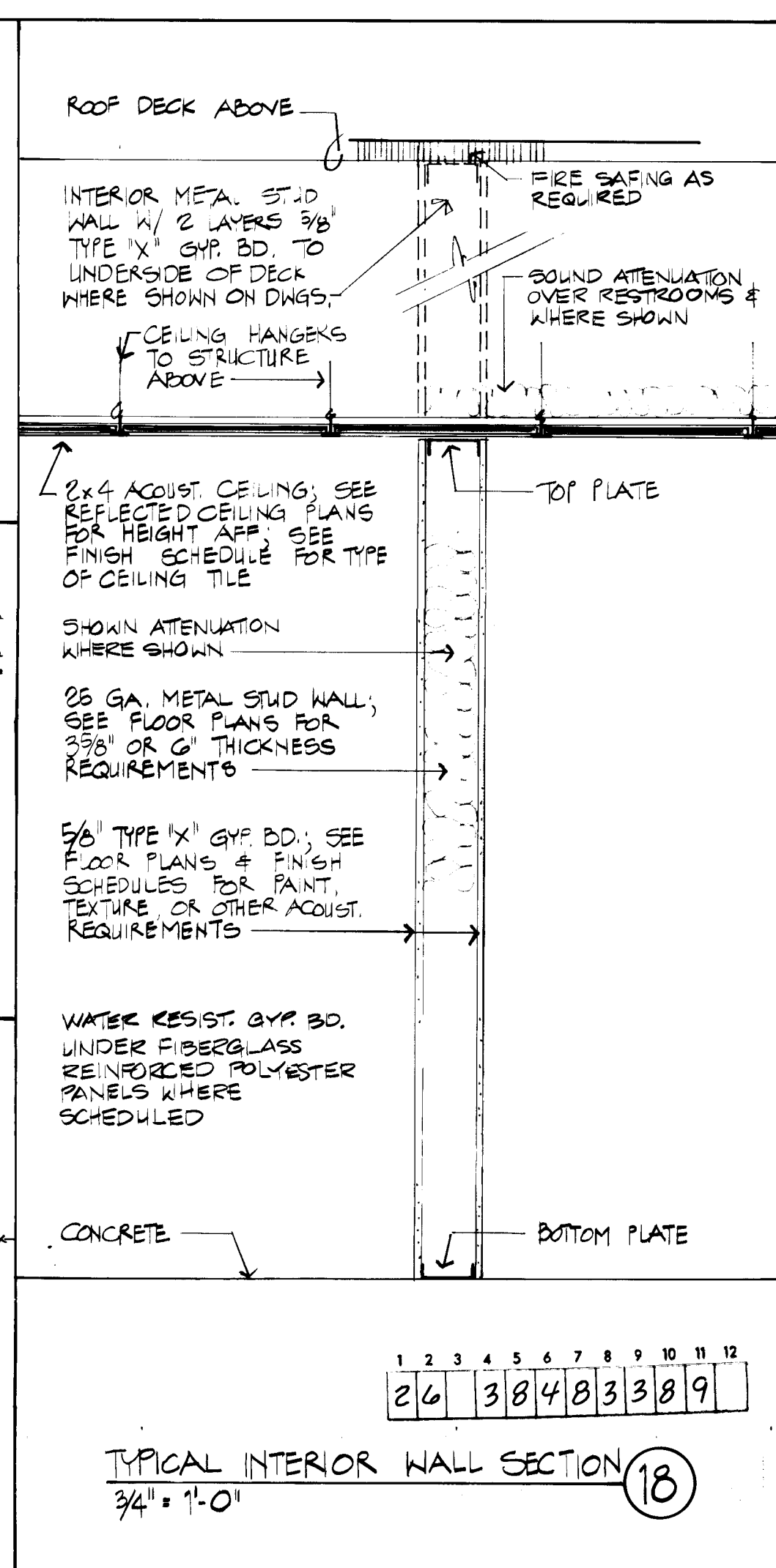
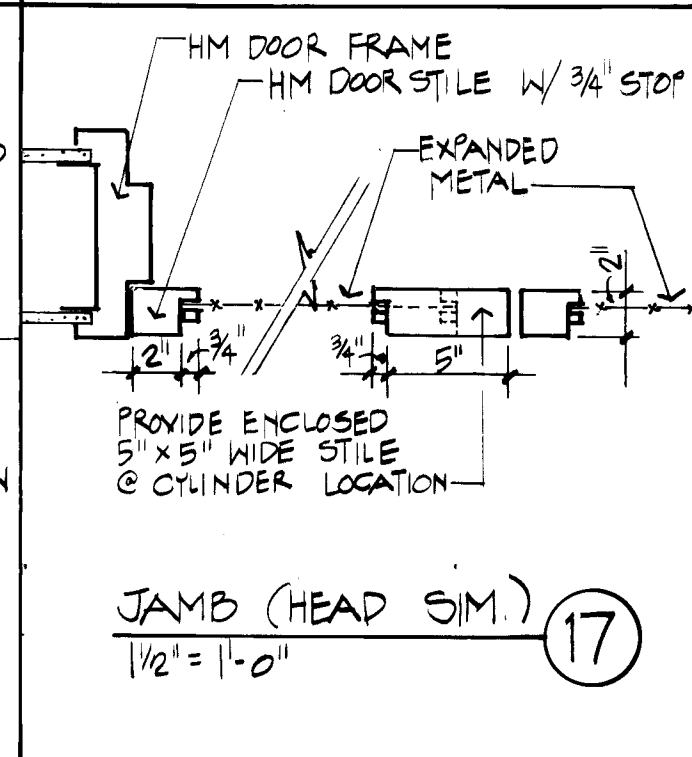
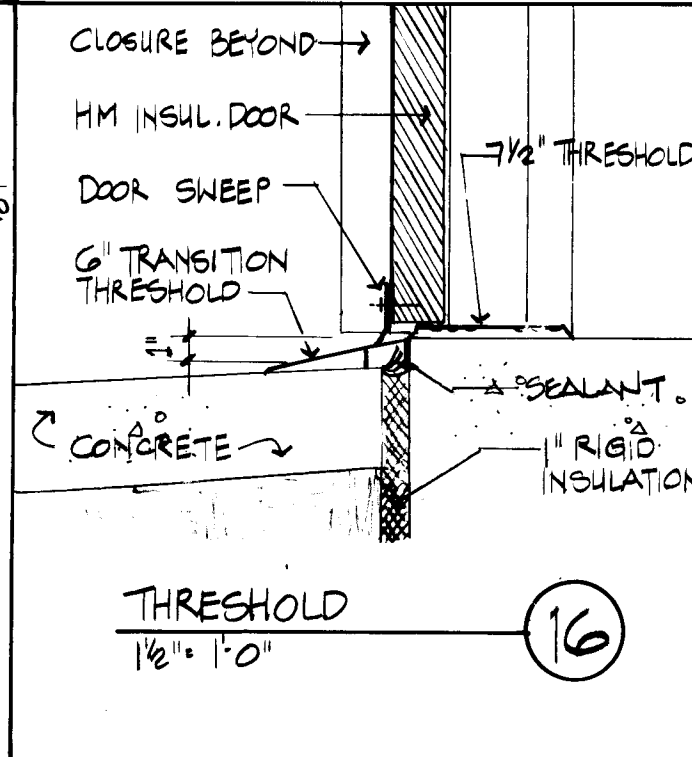
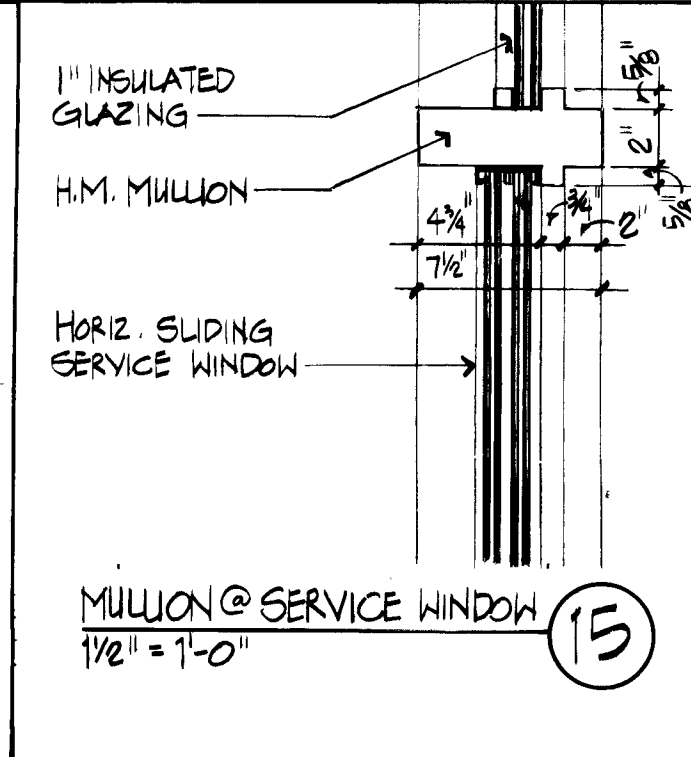
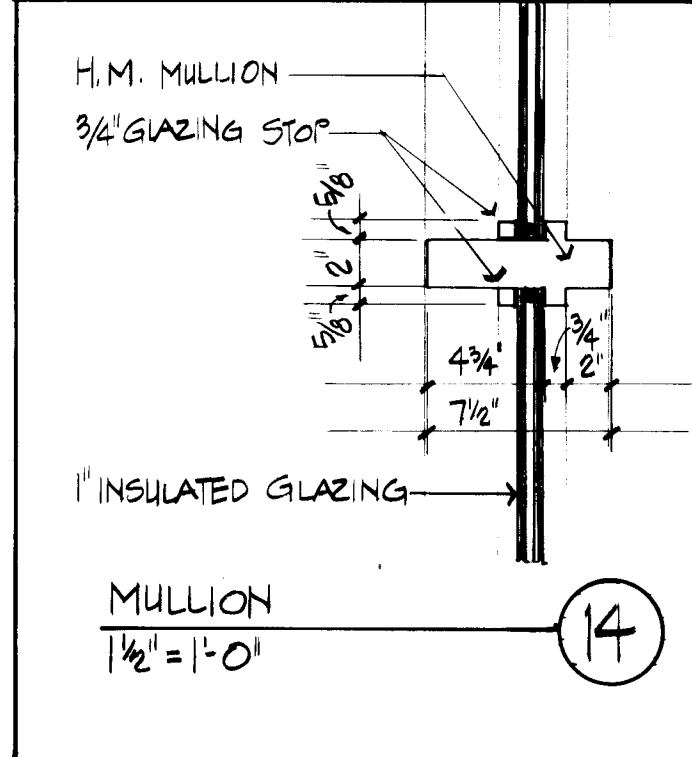
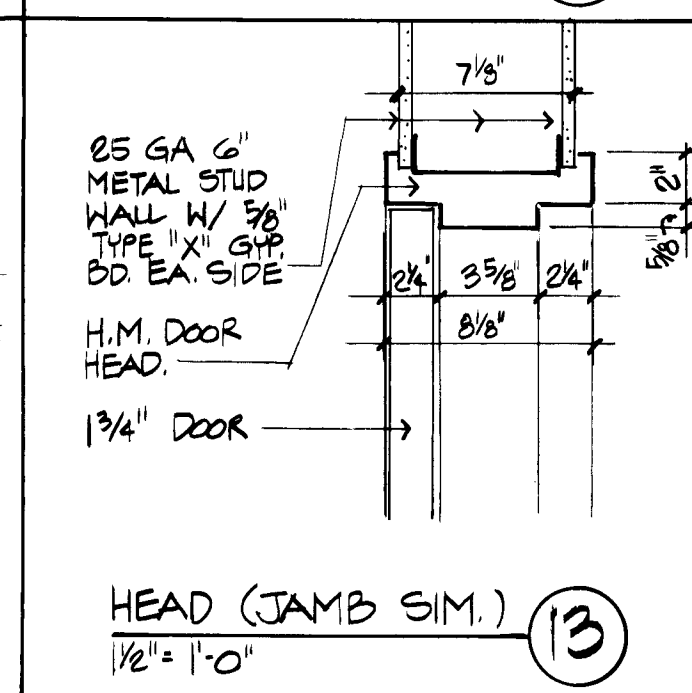
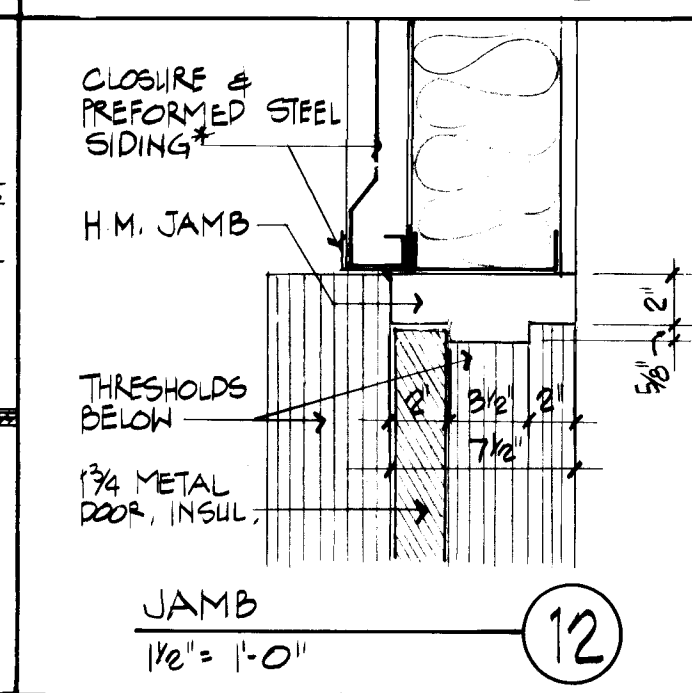
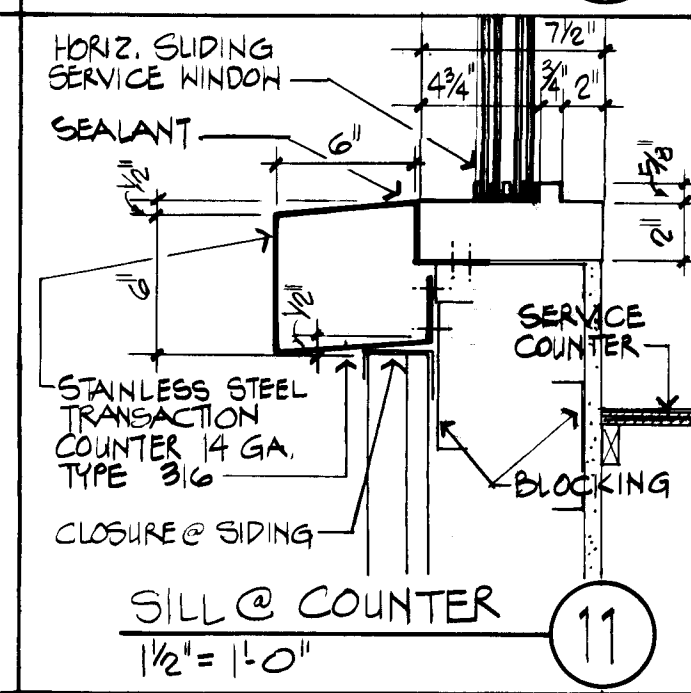
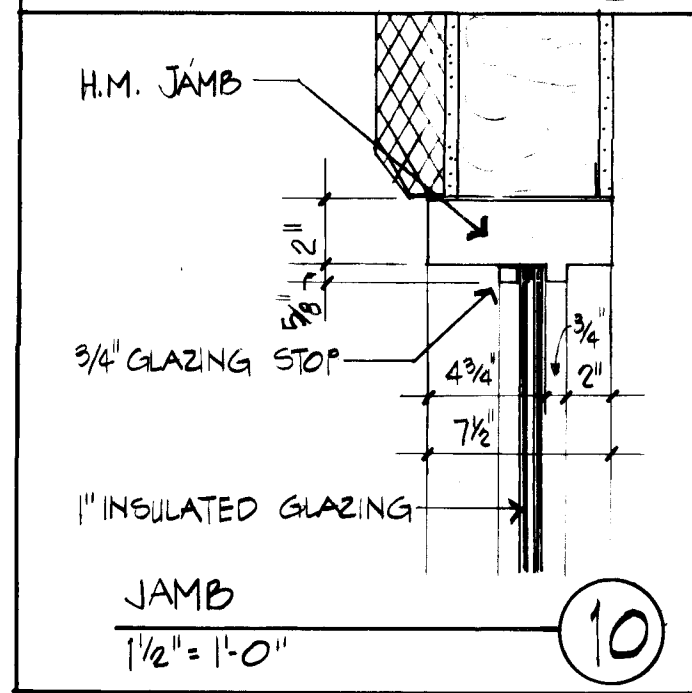
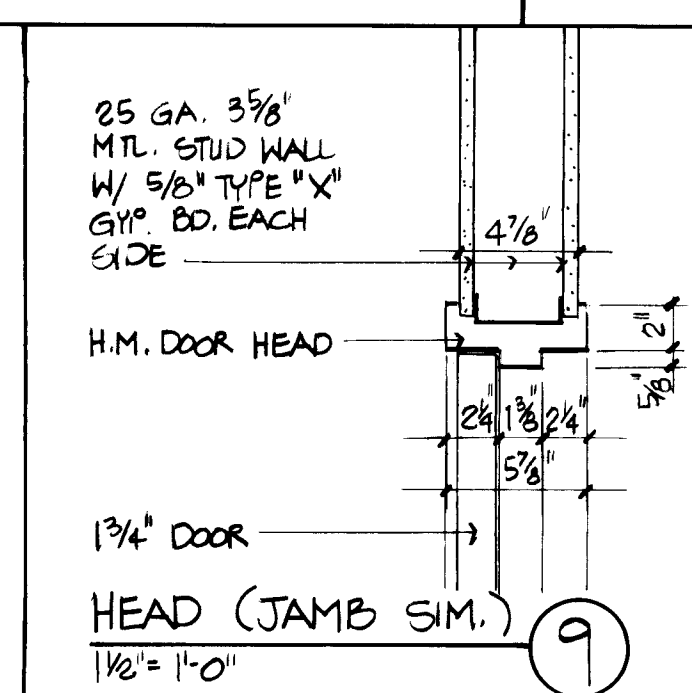
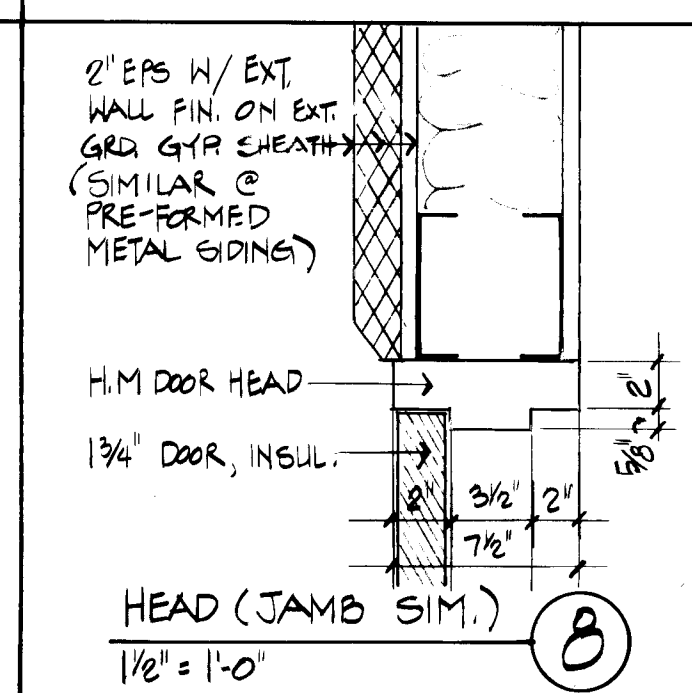
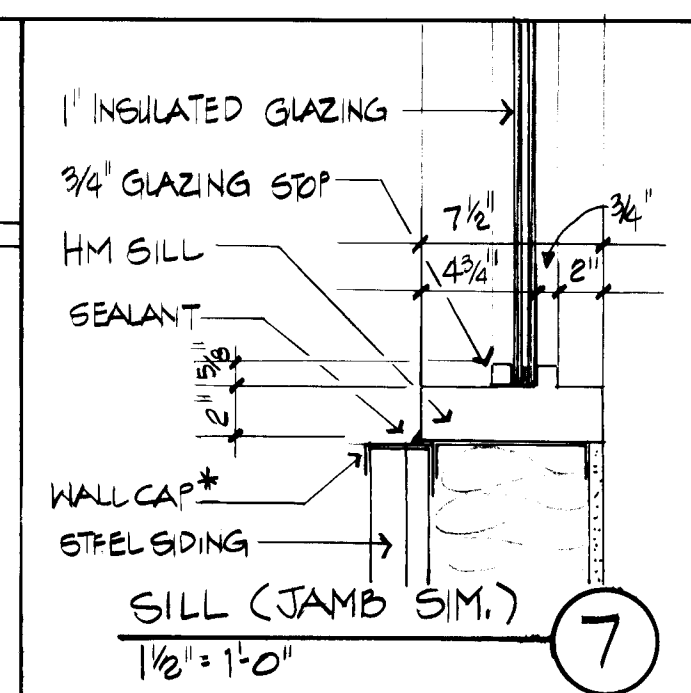
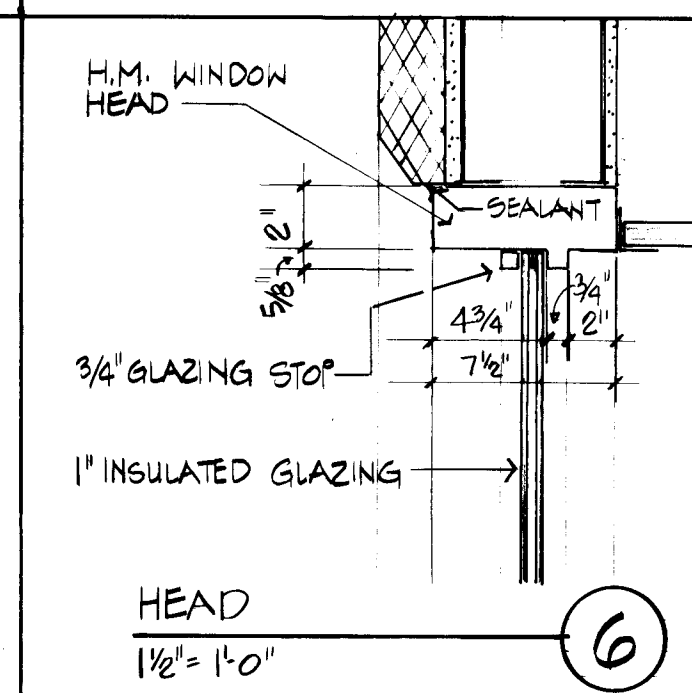
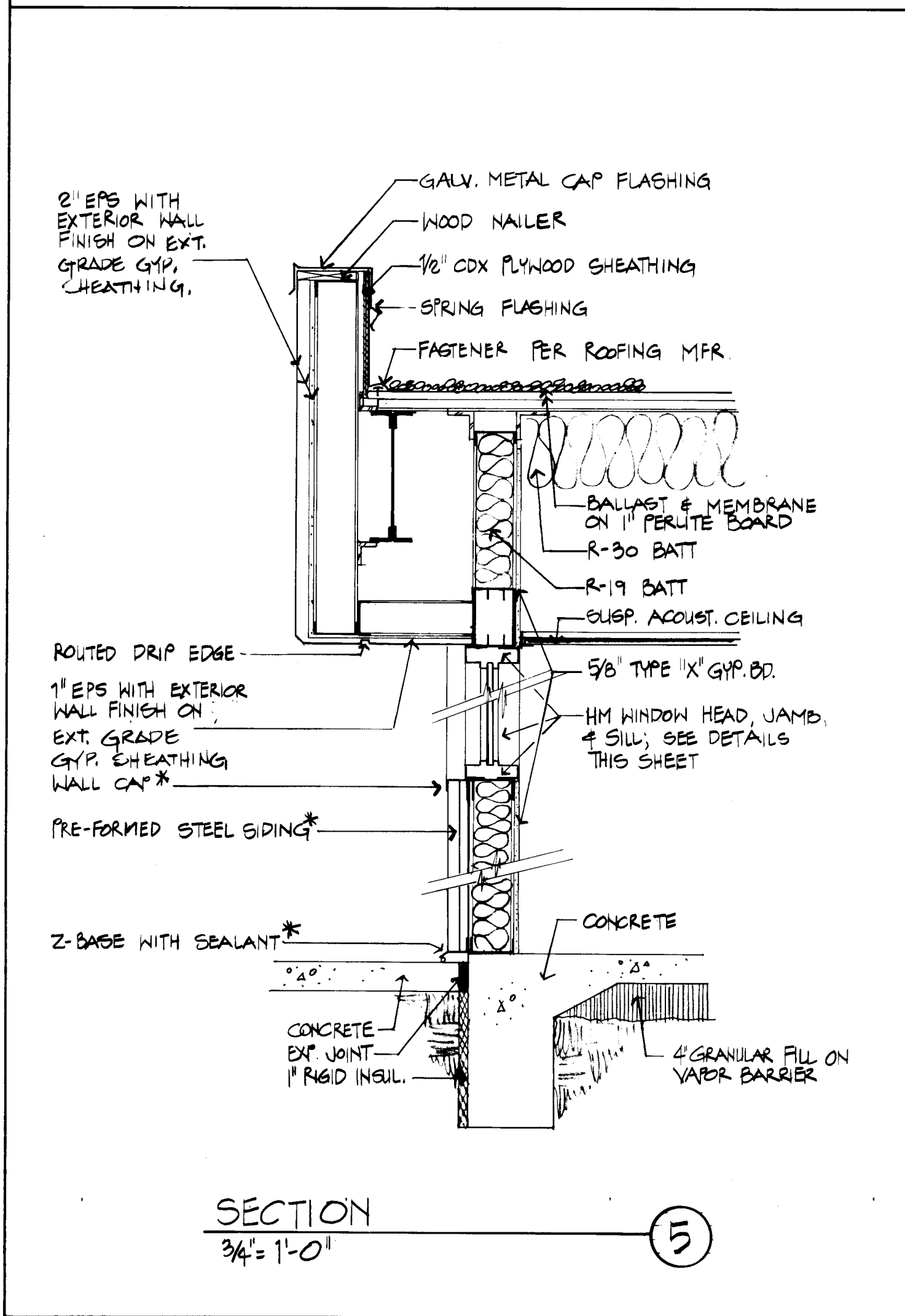
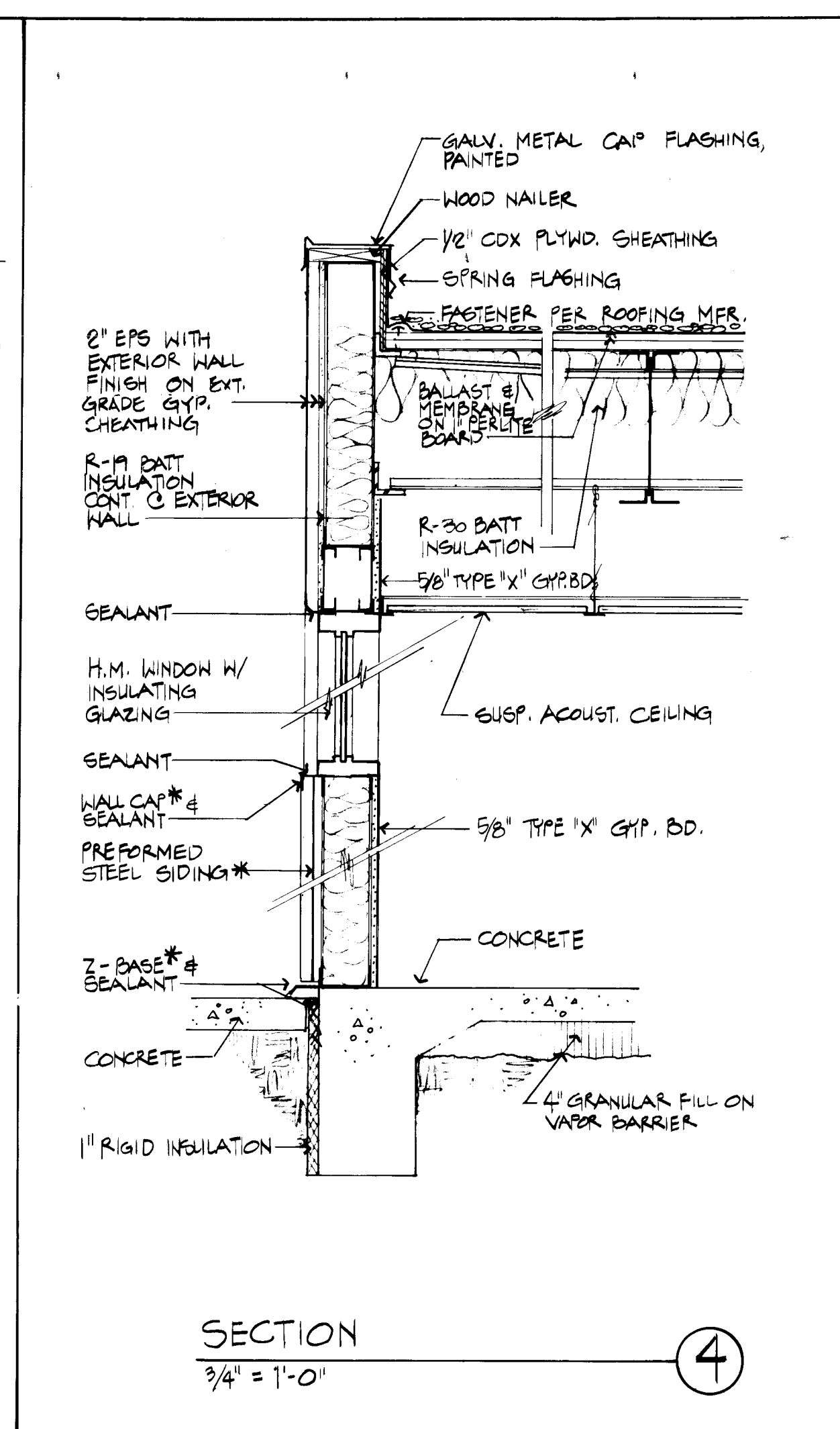
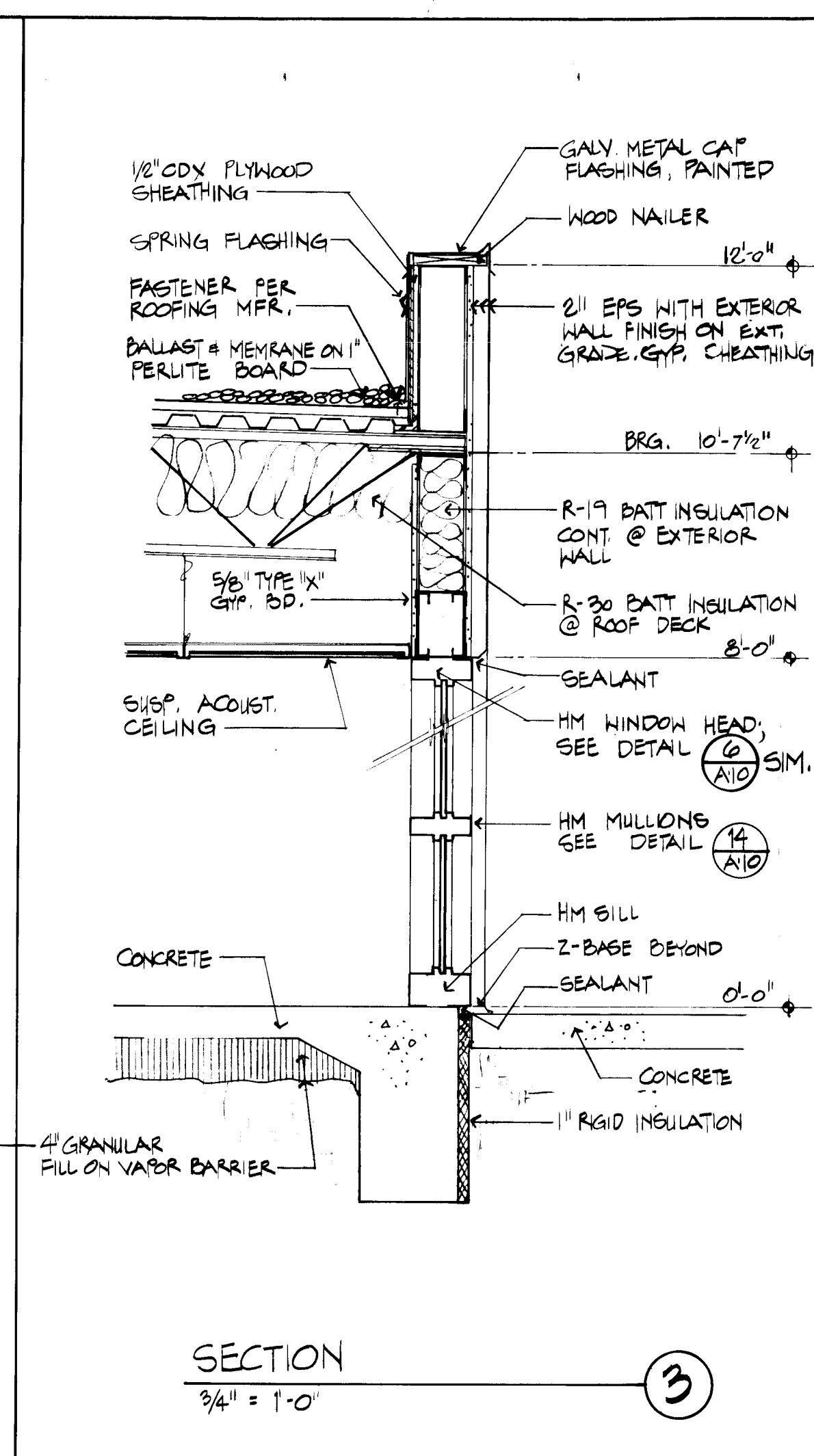
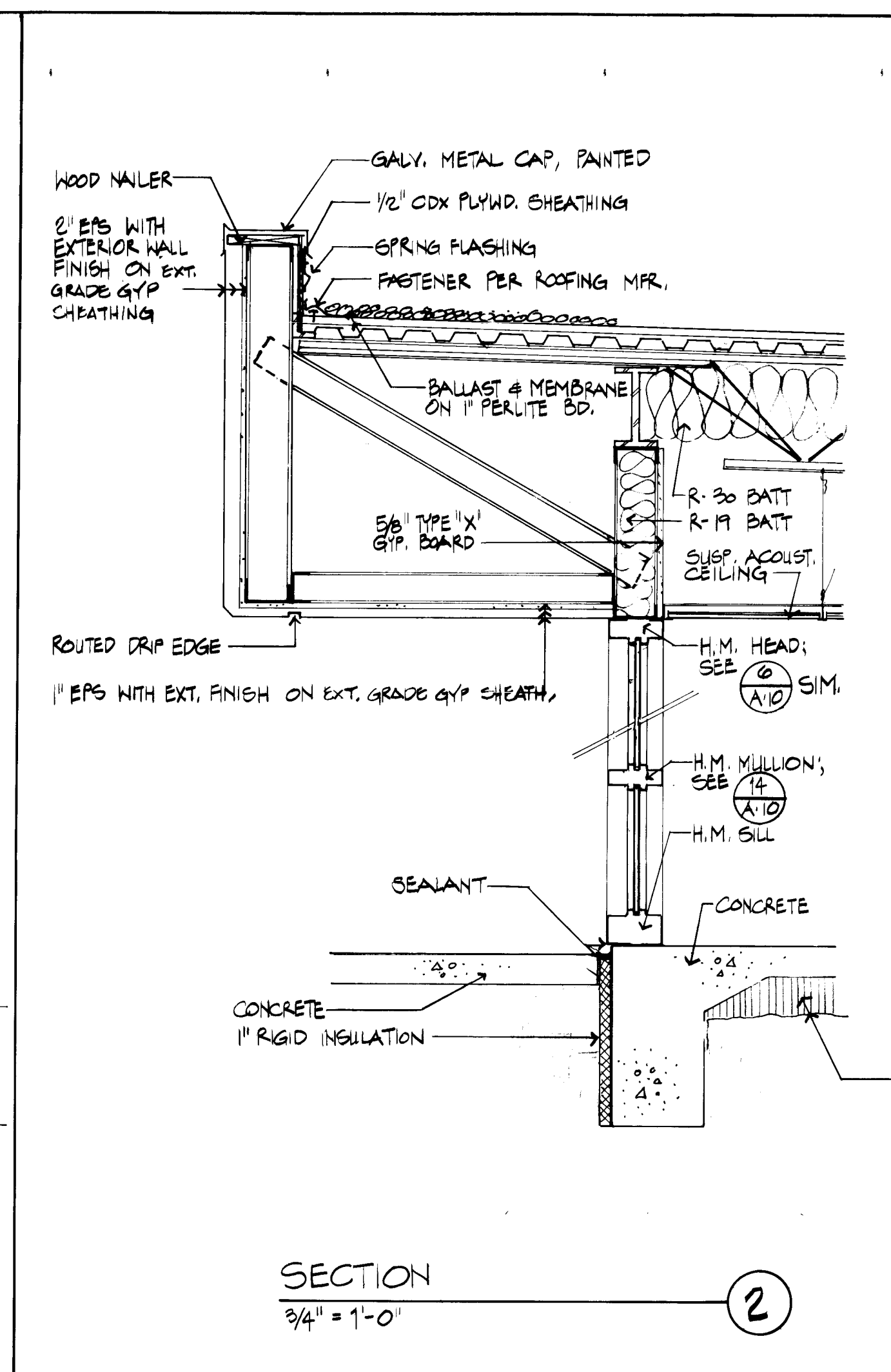
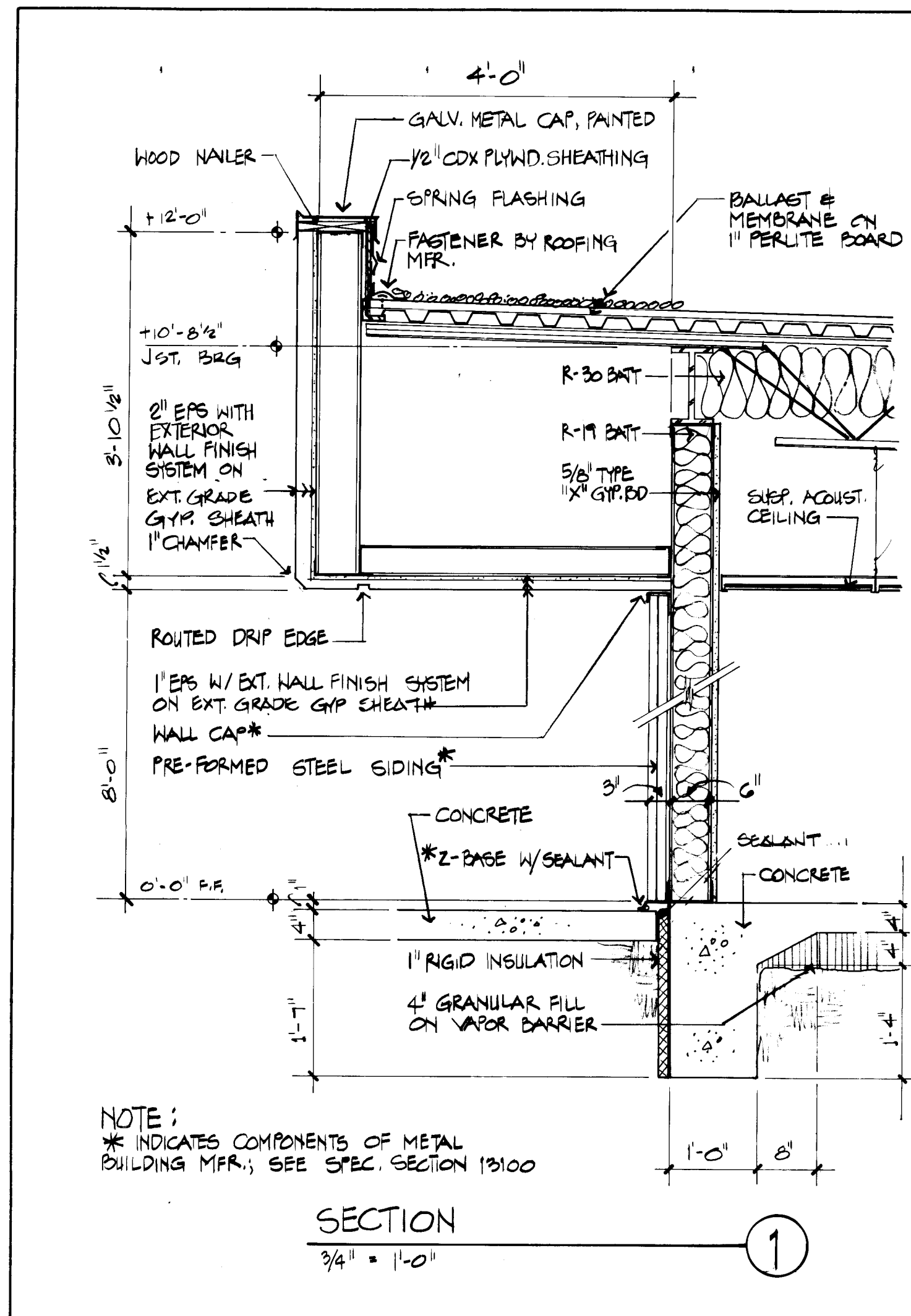
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|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 6 |   | 3 | 8 | 4 | 8 | 3 | 2 | 8  | 9  |    |

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

|                                                                                                     |          |         |              |                        |      |
|-----------------------------------------------------------------------------------------------------|----------|---------|--------------|------------------------|------|
| TITLE: LAND APPLICATION FACILITIES<br>ADMINISTRATION BUILDING<br>ROOF PLAN & REFLECTED CEILING PLAN |          |         |              |                        |      |
| APPROVALS                                                                                           | ENGINEER | DATE    | APPROVALS    | ENGINEER               | DATE |
| City Engineer                                                                                       |          |         | Liquid Waste |                        |      |
| A.C.E.—Design                                                                                       |          |         | Traffic      |                        |      |
| A.C.E.—Hydrology                                                                                    |          |         | Water        |                        |      |
| DRAWING NO. 3848                                                                                    |          | MAP NO. |              | SHEET 32 OF 46<br>A-09 |      |

| ENGINEER'S SEAL |  | SURVEY INFORMATION |      | BENCH MARKS            |  | AS BUILT INFORMATION |      |
|-----------------|--|--------------------|------|------------------------|--|----------------------|------|
|                 |  | FIELD NOTES        |      |                        |  |                      |      |
|                 |  | NO.                | BY   | DATE                   |  |                      |      |
|                 |  |                    |      |                        |  | CONTRACTOR           |      |
|                 |  |                    |      |                        |  | WORK                 |      |
|                 |  |                    |      |                        |  | STAGED BY            | DATE |
|                 |  |                    |      |                        |  | ACCEPTANCE BY        | DATE |
|                 |  | NO.                | DATE |                        |  | FIELD OBSERVATION BY | DATE |
|                 |  |                    |      |                        |  | DRAWINGS             | DATE |
|                 |  |                    |      |                        |  | CORRECTED BY         | DATE |
|                 |  |                    |      | MICRO-FILM INFORMATION |  |                      |      |
|                 |  |                    |      |                        |  | RECORDED BY          | DATE |
|                 |  |                    |      |                        |  | NO.                  |      |

|                    |              |
|--------------------|--------------|
| REVISIONS          |              |
| NO. DATE           | REMARKS BY   |
|                    |              |
| DESIGN             |              |
| DESIGNED BY J.C.P. | DATE         |
| DRAWN BY E.T.H.    | DATE         |
| CHECKED BY J.S.M.  | DATE 2/23/88 |



| AS BUILT INFORMATION |      |            |      | BENCH MARKS |    |      |     | SURVEY INFORMATION |      |     |    | ENGINEER'S SEAL |     |    |      |
|----------------------|------|------------|------|-------------|----|------|-----|--------------------|------|-----|----|-----------------|-----|----|------|
| CONTRACTOR           | DATE | STAMPED BY | DATE | NO.         | BY | DATE | NO. | BY                 | DATE | NO. | BY | DATE            | NO. | BY | DATE |
|                      |      |            |      |             |    |      |     |                    |      |     |    |                 |     |    |      |

| RECORD DRAWING |             |           |        |
|----------------|-------------|-----------|--------|
| DATE:          | DRAFTED BY: | REVISIONS | DESIGN |
| 4-17-89        | MCA         |           |        |

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4

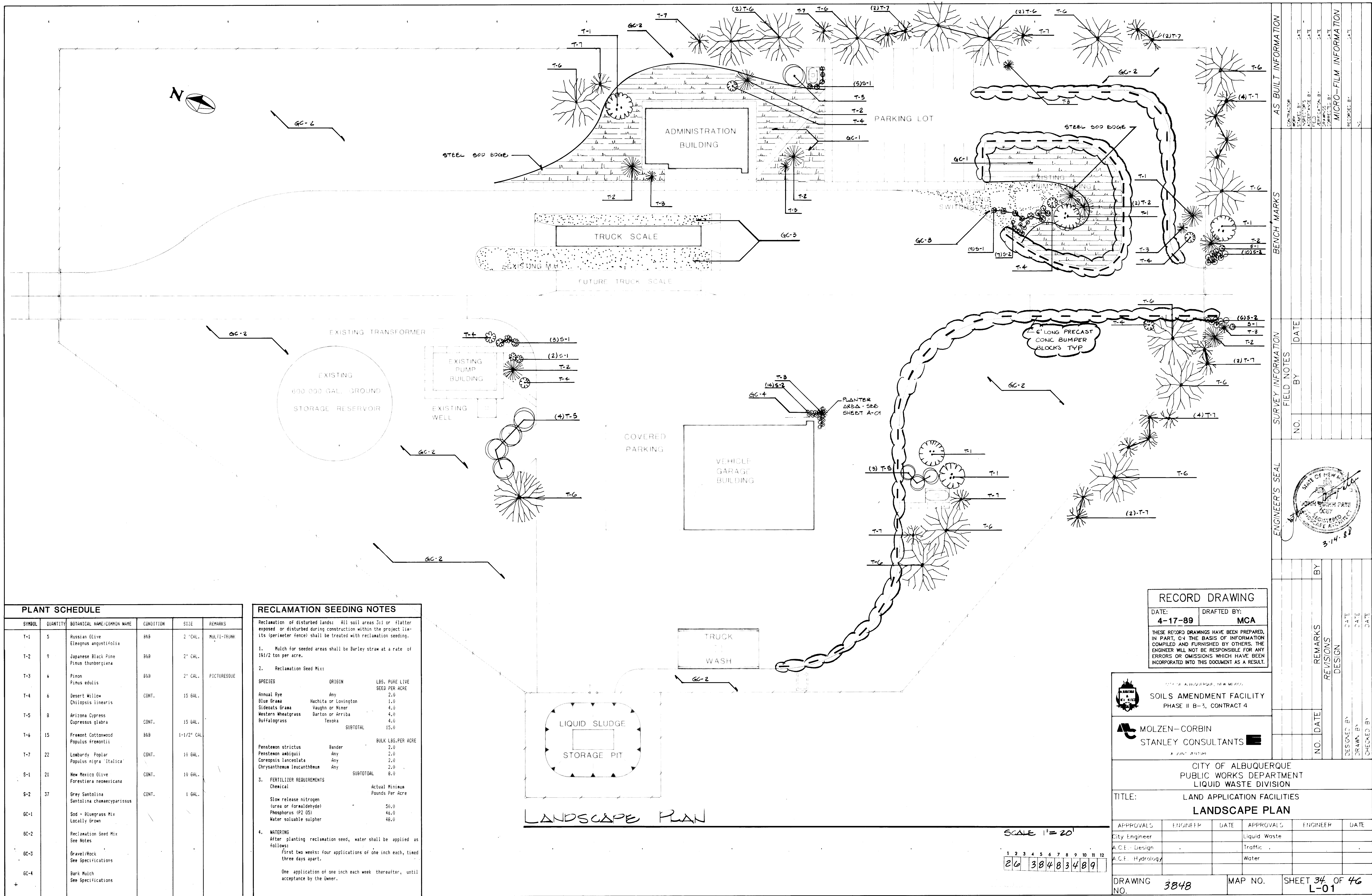
MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JOINT VENTURE

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

TITLE: LAND APPLICATION FACILITIES  
ADMINISTRATION BUILDING  
WALL SECTIONS & DETAILS

| APPROVALS    | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|--------------|----------|------|-----------|----------|------|
| D.R.C. Chair |          |      |           |          |      |
| Trans. Dev   |          |      |           |          |      |
| Utility Dev  |          |      |           |          |      |

DRAWING NO. 3848 MAP NO. SHEET 33 OF 46  
A-10



PLANT SCHEDULE

| SYMBOL | QUANTITY | BOTANICAL NAME/COMMON NAME                          | CONDITION | SIZE        | REMARKS     |
|--------|----------|-----------------------------------------------------|-----------|-------------|-------------|
| T-1    | 5        | Russian Olive<br><i>Eleagnus angustifolia</i>       | B&B       | 2" CAL.     | MULTI-TRUNK |
| T-2    | 9        | Japanese Black Pine<br><i>Pinus thunbergiana</i>    | B&B       | 2" CAL.     |             |
| T-3    | 6        | Pinon<br><i>Pinus edulis</i>                        | B&B       | 2" CAL.     | PICTURESQUE |
| T-4    | 6        | Desert Willow<br><i>Chiropsis linearis</i>          | CONT.     | 15 GAL.     |             |
| T-5    | 8        | Arizona Cypress<br><i>Cupressus glabra</i>          | CONT.     | 15 GAL.     |             |
| T-6    | 15       | Fremont Cottonwood<br><i>Populus fremontii</i>      | B&B       | 1-1/2" CAL. |             |
| T-7    | 22       | Lowbush Poplar<br><i>Populus nigra 'Italica'</i>    | CONT.     | 10 GAL.     |             |
| S-1    | 21       | New Mexico Olive<br><i>Forestiera neomexicana</i>   | CONT.     | 10 GAL.     |             |
| S-2    | 37       | Grey Santolina<br><i>Santolina chamaecyparissus</i> | CONT.     | 1 GAL.      |             |
| GC-1   |          | Sod - Bluegrass Mix<br>Locally Grown                |           |             |             |
| GC-2   |          | Reclamation Seed Mix<br>See Notes                   |           |             |             |
| GC-3   |          | Gravel/Rock<br>See Specifications                   |           |             |             |
| GC-4   |          | Bark Mulch<br>See Specifications                    |           |             |             |

RECLAMATION SEEDING NOTES

- Reclamation of disturbed lands: All soil areas 3:1 or flatter exposed or disturbed during construction within the project limits (perimeter fence) shall be treated with reclamation seeding.
- Mulch for seeded areas shall be Barley straw at a rate of 151/2 ton per acre.
  - Reclamation Seed Mix:

| SPECIES            | ORIGIN               | LBS. PURE LIVE SEED PER ACRE |
|--------------------|----------------------|------------------------------|
| Annual Ryegrass    | Any                  | 2.0                          |
| Blue Grama         | Hachita or Lovington | 1.0                          |
| Sideoats Grama     | Vaughn or Miner      | 4.0                          |
| Western Wheatgrass | Barton or Arrisba    | 4.0                          |
| Buffalograss       | Texoka               | 4.0                          |
| SUBTOTAL           |                      | 15.0                         |

|                                   | BULK LBS. PER ACRE |
|-----------------------------------|--------------------|
| <i>Penstemon strictus</i>         | 2.0                |
| <i>Penstemon ambigua</i>          | 2.0                |
| <i>Coreopsis lanceolata</i>       | 2.0                |
| <i>Chrysanthemum leucanthemum</i> | 2.0                |
| SUBTOTAL                          | 8.0                |
  - FERTILIZER REQUIREMENTS  
Chemical  
Slow release nitrogen (urea or formaldehyde) 50.0  
Phosphorus (P2 O5) 40.0  
Water soluble sulphur 40.0
  - WATERING  
After planting reclamation seed, water shall be applied as follows:  
First two weeks: four applications of one inch each, timed three days apart.  
One application of one inch each week thereafter, until acceptance by the Owner.

RECORD DRAWING

DATE: 4-17-89 DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO  
SOILS AMENDMENT FACILITY  
PHASE II B-3, CONTRACT 4



MOLZEN-CORBIN  
STANLEY CONSULTANTS  
A JURY FIRM

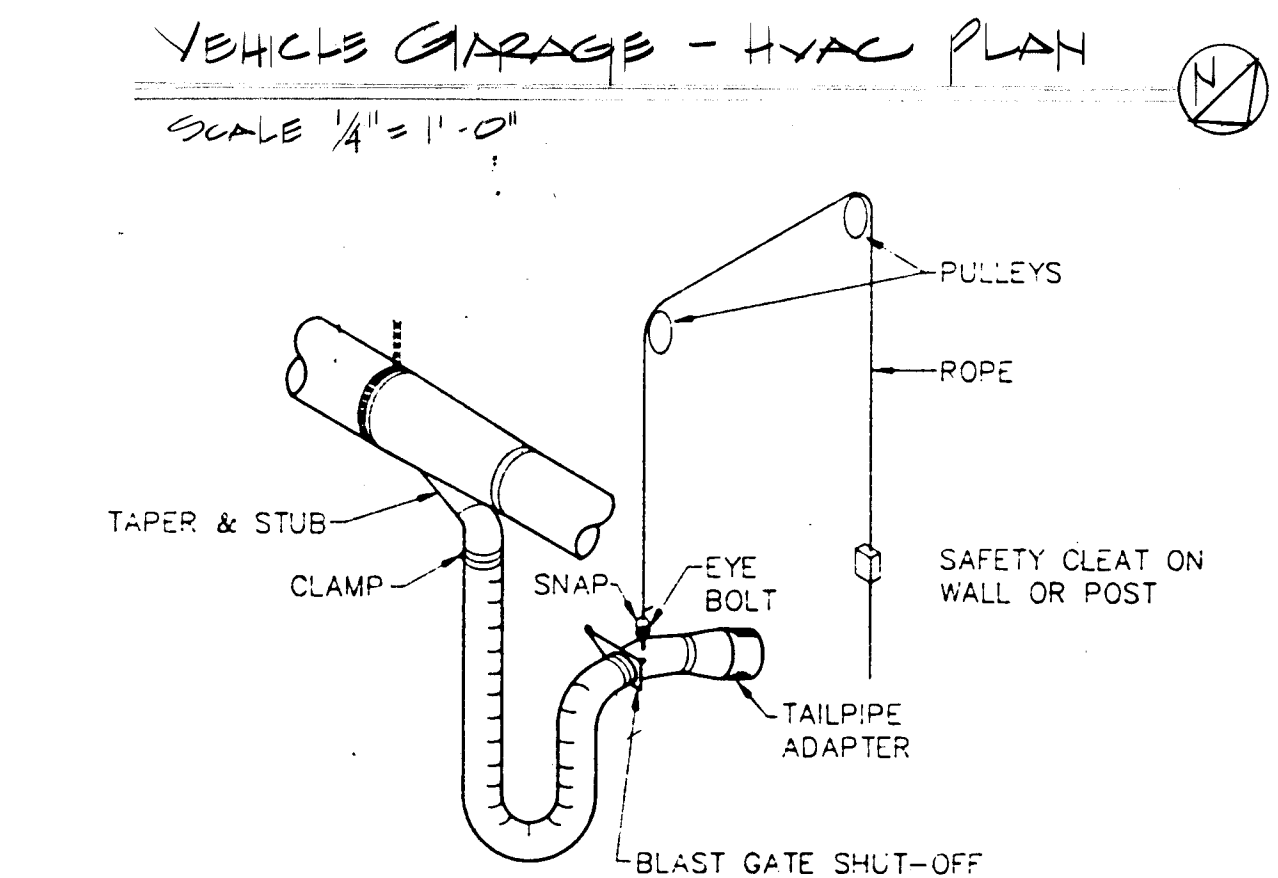
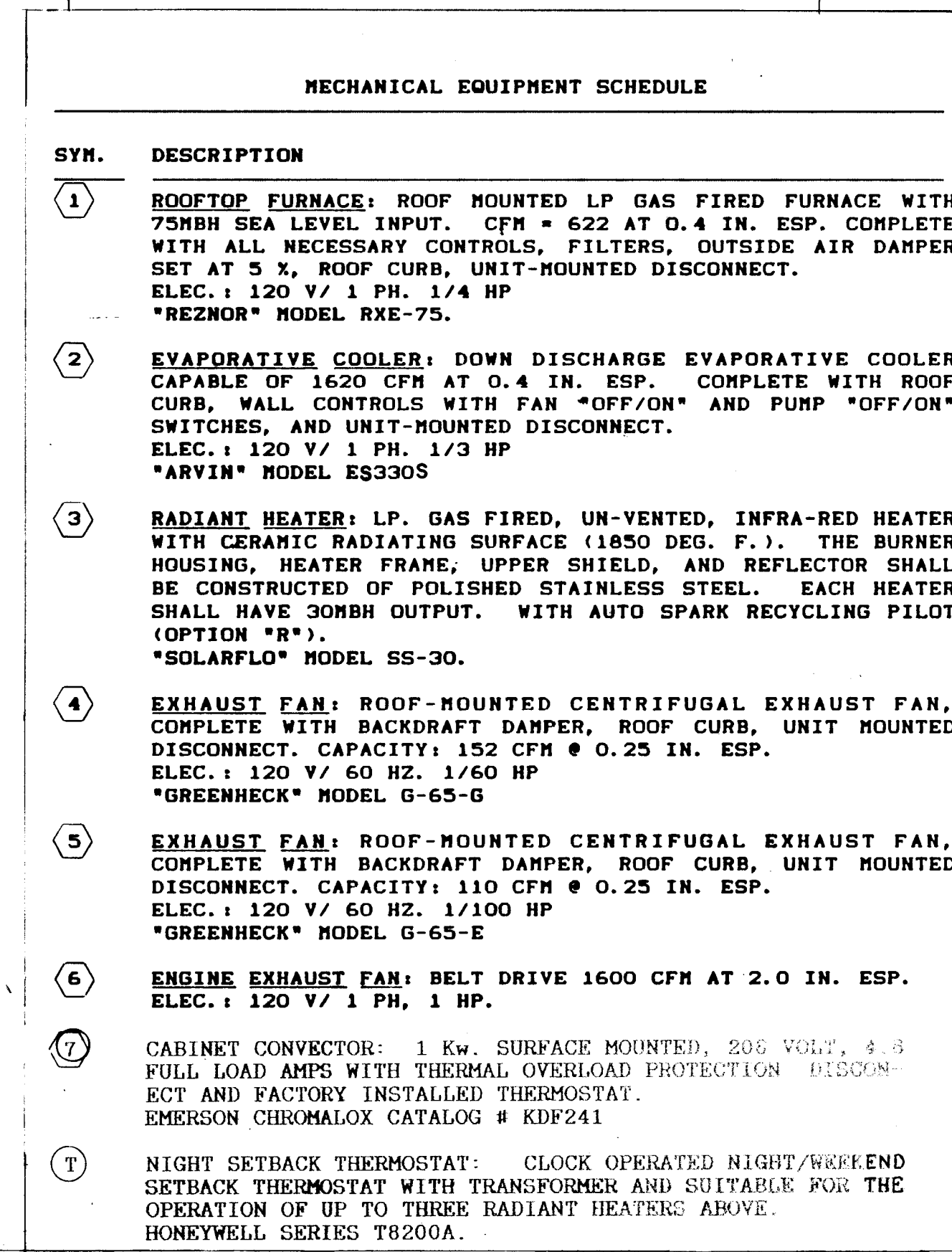
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
LIQUID WASTE DIVISION

TITLE: LAND APPLICATION FACILITIES  
LANDSCAPE PLAN

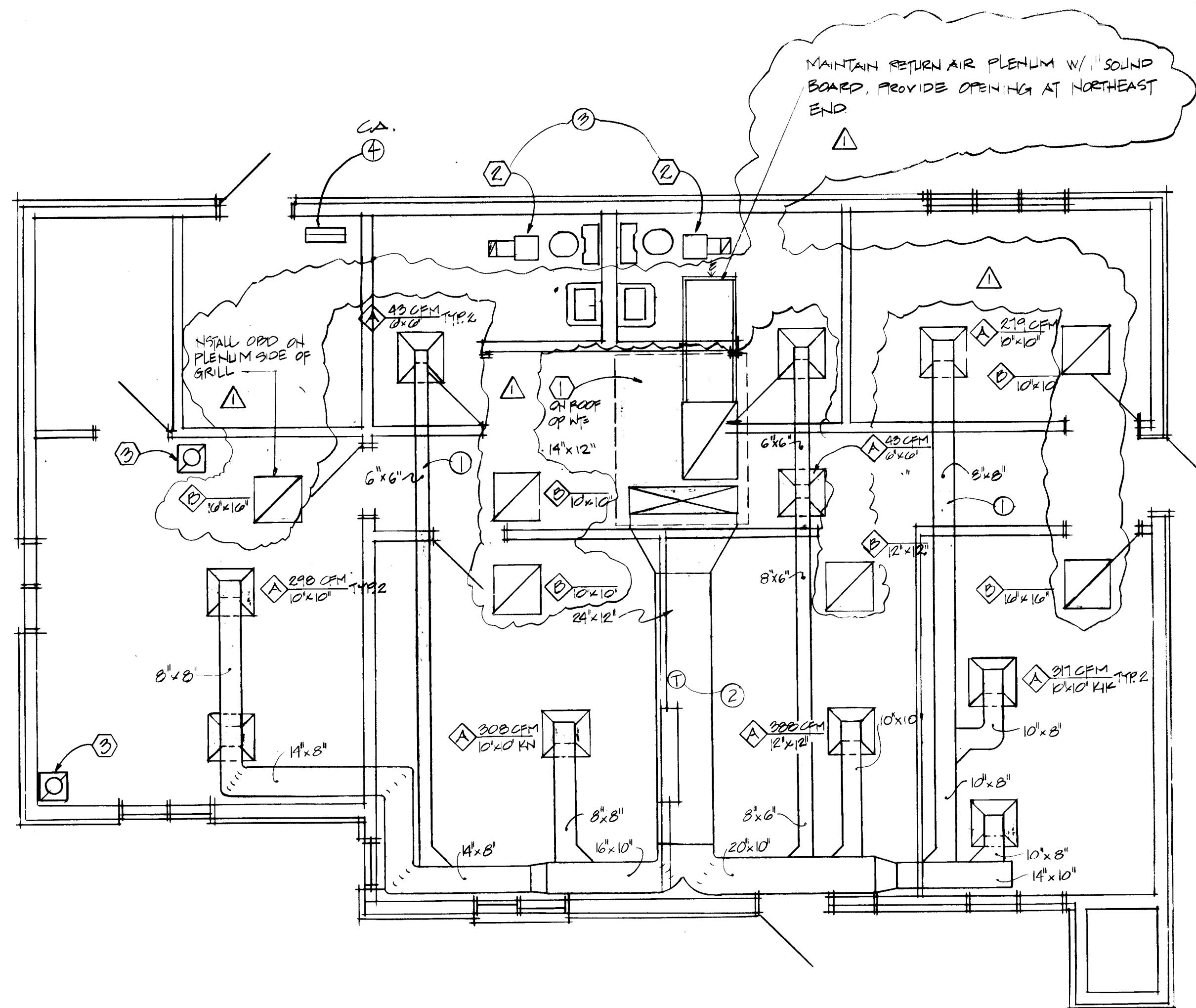
| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E. Design    |          |      | Traffic      |          |      |
| A.C.E. Hydrology |          |      | Water        |          |      |

DRAWING NO. 3848 MAP NO. SHEET 34 OF 46 L-01





|                                                                         |          |                             |              |          |                        |
|-------------------------------------------------------------------------|----------|-----------------------------|--------------|----------|------------------------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>LIQUID WASTE DIVISION |          |                             |              |          |                        |
| TITLE:                                                                  |          | LAND APPLICATION FACILITIES |              |          |                        |
| VEHICLE GARAGE - HVAC PLAN                                              |          |                             |              |          |                        |
| APPROVALS                                                               | ENGINEER | DATE                        | APPROVALS    | ENGINEER | DATE                   |
| City Engineer                                                           |          |                             | Liquid Waste |          |                        |
| A.C.E.—Design                                                           |          |                             | Traffic      |          |                        |
| A.C.E.—Hydrology                                                        |          |                             | Water        |          |                        |
| DRAWING NO. 3848                                                        |          |                             | MAP NO.      |          | SHEET 36 OF 46<br>M-01 |



ADMINISTRATION BUILDING-HVAC PLAN  
SCALE 1/4" = 1'-0"

10. INSTALL SMOKE DETECTOR IN RETURN AIR SYSTEM TO TURN FAN "OFF" IF SMOKE IS DETECTED.
11. TEST & BALANCE CONTRACTOR SHALL CHANGE THE SHEAVES TO ALLOW FOR DECREASE IN STATIC PRESSURE AND PROVIDE CFMS AS SHOWN ON DRAWINGS.
12. THE CONTRACTOR SHALL PROVIDE RETURN AIR PENETRATIONS THROUGH PARTITIONS THAT RISE TO THE ROOF DECK. INSTALL FIRE DAMPERS IF PARTITIONS ARE FIRE RATED

| MECHANICAL SCHEDULE          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYN.                         | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ①                            | <p><b>HVAC UNIT:</b> ROOF MOUNTED, DOWN DISCHARGE, PACKAGED ELECTRIC COOLING, LP GAS HEATING UNIT. UNIT TO BE COMPLETELY ASSEMBLED AND CHARGED WITH REFRIGERANT. CAPACITIES AS SCHEDULED BELOW. COMPRESSOR-FULLY HERMETIC; COILS-ALUMINUM FINS BONDED TO COPPER TUBING; CABINET-GALVANIZED AND INSULATED WITH BAKED ENAMEL FINISH; CONTROLS-LOW PRESSURE SWITCH, LOW CHARGE PROTECTION, COIL FREEZE-STATS, CURRENT AND TEMPERATURE OVERLOAD DEVICES, COMPRESSOR SHORT CYCLE PROTECTION. REMOTE HEATING/COOLING THERMOSTAT PROVIDING STAGED HEATING AND COOLING, MANUAL AND AUTOMATIC CHANGEOVER, AND FAN CONTROL, ELECTRIC RESISTANCE HEATERS, MANUAL OUTSIDE AIR DAMPER SET AT 5X. UNIT TO OPERATE DOWN TO 25 DEG. F. AMBIENT. ALL PERFORMANCE AT SITE CONDITIONS, O.A. TEMP. = 95DB, EVAP. AIR = 80DB/62WB, ELEVATION 5211 FT. UNIT TO OPERATE WITH 480V/3 PH. POWER. FAN: 1 HP, 2333 CFM AT 0.50 IN. E.S.P. 935 RPH, .90 BHP. COOLING: TC = 57.5MBH, SEHS = 56.7MBH. HEATING: 90MBH S.L. OUTPUT.</p> <p><b>ELECTRICAL:</b><br/>COMP.-RLA= 8.8, LRA=35, OFM-FLA=1.5; IFM-FLA=2.4;<br/>*CARRIER* MODEL 48 HVO06-6</p> |
| ②                            | <p><b>EXHAUST FAN:</b> CEILING EXHAUST FAN, COMPLETE WITH ACOUSTICAL LINING, HORIZONTAL DUCT OUTLET, BACKDRAFT DAMPER, ROOF JACK, DISCONNECT. CAPACITY: 45 CFM @ 0.25 IN. ESP.<br/>*GREENHECK* MODEL SP-8</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ③                            | <p><b>EXHAUST FAN:</b> ROOF-MOUNTED CENTRIFUGAL EXHAUST FAN, COMPLETE WITH BACKDRAFT DAMPER, ROOF CURB, UNIT MOUNTED DISCONNECT. CAPACITY: 152 CFM @ 0.25 IN. ESP.<br/>ELEC.: 120 V/ 60 HZ. 1/60 HP<br/>*GREENHECK* MODEL G-65-G</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GRILLE AND REGISTER SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SYN.                         | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A                            | <p><b>SUPPLY AIR DIFFUSER:</b> 24 IN. X 24 IN. STEEL PERFORATED SUPPLY AIR DIFFUSER WITH HINGED ACCESS PANELS FOR INSTALLATION 24 IN. X 48 IN LAY-IN CEILING. FOUR WAY DEFLECTION AND COMPLETE WITH OBD. SEE PLAN FOR NECK SIZES AND CFM'S.<br/>*KRUEGER* MODEL 1104.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| B                            | <p><b>PERFORATED RETURN AIR GRILLE:</b> 24 IN. X 24 IN. STEEL MATCHING RETURN AIR GRILLE FOR INSTALLATION IN 24 IN. X 48 IN. LAY-IN CEILING. SEE PLAN FOR NECK SIZES.<br/>*KRUEGER* MODEL 1190</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| KEYED NOTES                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ①                            | DUCTWORK TO BE LOCATED ABOVE THE CEILING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ②                            | INSTALL THERMOSTAT AT 5'-6" A.F.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ③                            | SWITCH WITH LIGHTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ④                            | PROVIDE TWO COMBUSTION AIR DUCTS UP THROUGH ROOF TO GOOSENECK, EACH 5 IN. X 10 IN. ONE SHALL TERMINATE AT 12 IN. BELOW THE CEILING AND THE OTHER 12 IN. A.F.F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| RECORD DRAWING                                                                                                                                                                                                                    |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| DATE:<br>4-17-89                                                                                                                                                                                                                  | DRAFTED BY:<br>MCA |
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*John Baumgartel*

CITY OF ALBUQUERQUE, NEW MEXICO

**SOILS AMENDMENT FACILITY**  
PHASE II B-3, CONTRACT 4

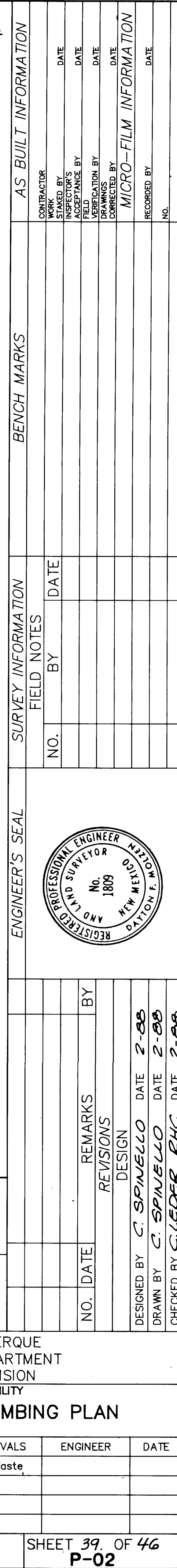
**MOLZEN-CORBIN**  
**STANLEY CONSULTANTS**  
A JOINT VENTURE

| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>LIQUID WASTE DIVISION   |          |         |              |                        |      |
|---------------------------------------------------------------------------|----------|---------|--------------|------------------------|------|
| TITLE: LAND APPLICATION FACILITIES<br>ADMINISTRATION BUILDING - HVAC PLAN |          |         |              |                        |      |
| APPROVALS                                                                 | ENGINEER | DATE    | APPROVALS    | ENGINEER               | DATE |
| City Engineer                                                             |          |         | Liquid Waste |                        |      |
| A.C.E.-Design                                                             |          |         | Traffic      |                        |      |
| A.C.E.-Hydrology                                                          |          |         | Water        |                        |      |
| DRAWING NO. 3848                                                          |          | MAP NO. |              | SHEET 37 OF 46<br>M-02 |      |

- GENERAL MECHANICAL NOTES**
- ALL WORK TO BE COMPLETED IN FULL COMPLIANCE WITH THE U.B.C., U.M.C., U.P.C., AND ALL LOCAL CODES AND ORDINANCES, LATEST EDITIONS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT AND INSTALLATION OF THE MECHANICAL SYSTEMS SHOWN ON THE MECHANICAL SHEET.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING, PATCHING, AND REPAIRING ASSOCIATED WITH INSTALLATION OF THESE SYSTEMS. PENETRATIONS AT ROOF OR WALL ARE TO BE SEALED AS REQUIRED TO PREVENT LEAKS. THIS CONTRACTOR IS TO COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE A FINISHED APPEARANCE MATCHING EXISTING APPEARANCE OF ROOF OR WALL AT SUCH PENETRATIONS.
  - ALL MECHANICAL EQUIPMENT, INCLUDING CONTROLS, CONTROL ELEMENTS, TRANSFORMERS, RELAYS, AND OTHER ELEMENTS NECESSARY FOR A COMPLETE OPERATING SYSTEM (WHETHER INDICATED ON THE PLANS OR NOT) SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
  - SEE SPECIFICATIONS FOR DUCT SUPPORT REQUIREMENTS.
  - ALL DUCT SIZES ARE NET FREE AREA.
  - GRILLE AND REGISTER LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE FINAL LOCATIONS WITH THE REFLECTED CEILING PLANS, A04 AND A10. MINIMUM SEPARATION BETWEEN SUPPLY DIFFUSER AND RETURN AIR GRILLE TO BE 4' - 0".
  - ALL SUPPLY AND RETURN DUCTWORK TO BE INSULATED WITH 1 INCH THICK FIBERGLASS DUCT INSULATION. LINE THE RETURN AIR DUCTWORK FOR A MINIMUM OF 15 LINEAR FEET UPSTREAM OF THE UNIT RETURN AIR CONNECTION. ALL SUPPLY AND RETURN TRUNK DUCT ELBOWS SHALL BE SMOOTH RADIUS ELBOWS.
  - BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL PROVIDE A COMPLETE TEST AND BALANCE OF THE MECHANICAL SYSTEMS, AIRSIDE AND WATERSIDE. THE TEST AND BALANCE SHALL BE PERFORMED BY A FIRM NOT AFFILIATED WITH THE MECHANICAL CONTRACTOR, AND SHALL BE COMPLETED IN CONFORMANCE WITH THE SPECIFICATIONS.

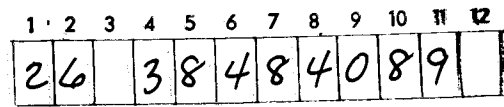
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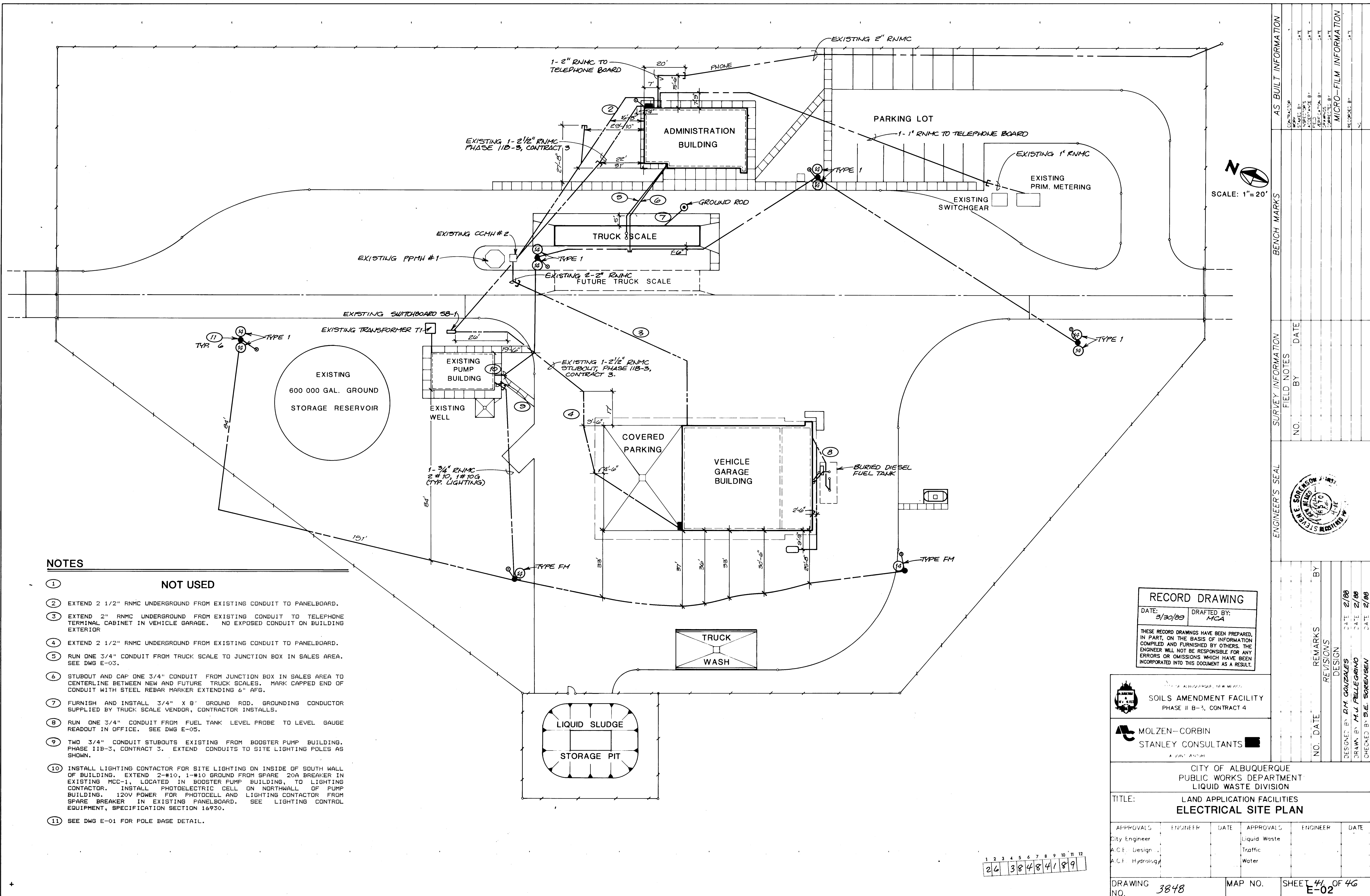


| PLAN LEGEND                                                                         |                                                                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|    | CONDUIT — EXPOSED                                                                                                  |
|    | CONDUIT — CONCEALED IN WALL, CEILING, OR CONCRETE                                                                  |
|    | CONDUIT — UNDERGROUND                                                                                              |
|    | CONDUCTORS — NEUTRAL, HOT, SWITCH, GROUND, CONTROL<br>(NO. DENOTES QUANTITY), MANUFACTURER SUPPLIED, SHIELDED PAIR |
|    | CEILING MOUNT LUMINAIRE<br>(NO. DENOTES FIXTURE TYPE, SPEC SECTION 16500, TYPICAL)                                 |
|    | WALL MOUNT LUMINAIRE<br>(NO. DENOTES FIXTURE TYPE, SPEC SECTION 16500, TYPICAL)                                    |
|    | 1 x 4 LUMINAIRE<br>(NO. DENOTES FIXTURE TYPE, SPEC SECTION 16500, TYPICAL)                                         |
|    | 2 x 4 LUMINAIRE<br>(NO. DENOTES FIXTURE TYPE, SPEC SECTION 16500, TYPICAL)                                         |
|    | 2 x 2 LUMINAIRE<br>(NO. DENOTES FIXTURE TYPE, SPEC SECTION 16500, TYPICAL)                                         |
|    | EMERGENCY LIGHT                                                                                                    |
|    | POLE MOUNT, SINGLE FIXTURE, LUMINAIRE                                                                              |
|    | POLE MOUNT, DOUBLE FIXTURE, LUMINAIRE                                                                              |
|    | PHOTOELECTRIC CELL                                                                                                 |
|    | EXIT LIGHT                                                                                                         |
|    | SWITCH                                                                                                             |
|    | 3 WAY SWITCH                                                                                                       |
|    | DUPLEX RECEPTACLE                                                                                                  |
|   | 220V RECEPTACLE                                                                                                    |
|  | TELEPHONE OUTLET                                                                                                   |
|  | COMPUTER RECEPTACLE                                                                                                |
|  | PLUGMOLD                                                                                                           |
|  | JUNCTION BOX                                                                                                       |
|  | TRANSFORMER                                                                                                        |
|  | THERMOSTAT                                                                                                         |
|  | DISCONNECT SWITCH                                                                                                  |
|  | EXHAUST FAN                                                                                                        |
|  | 3 PHASE MOTOR                                                                                                      |
|  | PANELBOARD WITH TRANSFORMER ABOVE                                                                                  |
|  | PANELBOARD                                                                                                         |
|  | TELEPHONE CABINET                                                                                                  |
|  | MANUAL STARTER                                                                                                     |
|  | GROUND ROD                                                                                                         |
|  | ELECTRICAL NOTE                                                                                                    |
|  | PUSHBUTTON                                                                                                         |
|  | RADIANT HEATER                                                                                                     |

| ONE—LINE LEGEND                                                                   |                                       |
|-----------------------------------------------------------------------------------|---------------------------------------|
|  | SWITCH                                |
|  | FUSE                                  |
|  | CIRCUIT BREAKER                       |
|  | TRANSFORMER                           |
|  | DISCONNECT SWITCH                     |
|  | MOTOR                                 |
|  | SURGE ARRESTOR                        |
| ABBREVIATIONS                                                                     |                                       |
| PPMH                                                                              | PRIMARY POWER MANHOLE                 |
| CCMH                                                                              | CONTROL & COMMUNICATIONS MANHOLE      |
| RNMC                                                                              | RIGID NON—METALIC CONDUIT             |
| GND                                                                               | GROUND                                |
| HDEWP                                                                             | HEAVY DUTY EXOTHERMIC WELDING PROCESS |
| AFF                                                                               | ABOVE FINISHED FLOOR                  |
| AFG                                                                               | ABOVE FINISHED GRADE                  |
| GFI                                                                               | GROUND FAULT INTERRUPT                |
| WP                                                                                | WEATHERPROOF                          |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|---------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|-------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div style="text-align: center;"><b>CITY OF ALBUQUERQUE, NEW MEXICO</b></div> <div style="text-align: center;"><b>SOILS ADMENDMENT FACILITY</b><br/>PHASE II B-3, CONTRACT 4</div> <div style="text-align: center;"> <b>MOLZEN-CORBIN</b><br/><b>STANLEY CONSULTANTS</b> </div> <div style="text-align: center;">A JOINT VENTURE</div>                                    |  |          |  |         |  | ENGINEER'S SEAL<br><div style="text-align: center;"></div> |  | SURVEY INFORMATION<br>FIELD NOTES<br>NO. BY DATE |  | BENCH MARKS |  | AS-BUILT INFORMATION<br>CONTRACTOR WORK<br>STARTED BY DATE<br>DESIGNED BY DATE<br>ACCEPTANCE BY DATE<br>FIELD LOCATION BY DATE<br>DRAWINGS<br>CORRECTED BY DATE<br>MICRO-FILM INFORMATION<br>RECORDED BY DATE<br>NO. |  |
| <div style="border: 1px solid black; padding: 5px;"><div style="text-align: center;"><b>RECORD DRAWING</b></div><div style="display: flex; justify-content: space-between;"><div>DATE:<br/><b>4-17-89</b></div><div>DRAFTED BY:<br/><b>MCA</b></div></div><div style="font-size: small; margin-top: 5px;">THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.</div></div>                                                                     |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| <div style="display: flex; justify-content: space-between;"><div>NO. DATE</div><div>REMARKS</div><div>BY</div></div> <div style="text-align: center; font-weight: bold;">REVISIONS</div> <div style="text-align: center; font-weight: bold;">DESIGN</div> <div style="display: flex; justify-content: space-between;"><div>DESIGNED BY D.M. GONZALES</div><div>DATE 2/88</div></div> <div style="display: flex; justify-content: space-between;"><div>DRAWN BY M.J. PELLEGRINO</div><div>DATE 2/88</div></div> <div style="display: flex; justify-content: space-between;"><div>CHECKED BY S.E. SORENSON</div><div>DATE 2/88</div></div> |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| <b>CITY OF ALBUQUERQUE<br/>PUBLIC WORKS DEPARTMENT<br/>ENGINEERING DIVISION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| <b>TITLE: SOILS AMENDMENT FACILITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| <b>ELECTRICAL LEGEND AND DETAILS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |          |  |         |  |                                                                                                                                                 |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| APPROVALS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | ENGINEER |  | DATE    |  | APPROVALS                                                                                                                                       |  | ENGINEER                                         |  | DATE        |  |                                                                                                                                                                                                                      |  |
| City Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |  |         |  | Liquid Waste                                                                                                                                    |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| A.C.E.—Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |  |         |  | Traffic                                                                                                                                         |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| A.C.E.—Hydrology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |          |  |         |  | Water                                                                                                                                           |  |                                                  |  |             |  |                                                                                                                                                                                                                      |  |
| DRAWING NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 3848     |  | MAP NO. |  | SHEET 40. OF 46                                                                                                                                 |  | E-01                                             |  |             |  |                                                                                                                                                                                                                      |  |



NOTES

- ① NOT USED
- ② EXTEND 2 1/2" RNMC UNDERGROUND FROM EXISTING CONDUIT TO PANELBOARD.
- ③ EXTEND 2" RNMC UNDERGROUND FROM EXISTING CONDUIT TO TELEPHONE TERMINAL CABINET IN VEHICLE GARAGE. NO EXPOSED CONDUIT ON BUILDING EXTERIOR
- ④ EXTEND 2 1/2" RNMC UNDERGROUND FROM EXISTING CONDUIT TO PANELBOARD.
- ⑤ RUN ONE 3/4" CONDUIT FROM TRUCK SCALE TO JUNCTION BOX IN SALES AREA. SEE DWG E-03.
- ⑥ STUBOUT AND CAP ONE 3/4" CONDUIT FROM JUNCTION BOX IN SALES AREA TO CENTERLINE BETWEEN NEW AND FUTURE TRUCK SCALES. MARK CAPPED END OF CONDUIT WITH STEEL REBAR MARKER EXTENDING 6" AFG.
- ⑦ FURNISH AND INSTALL 3/4" X 8' GROUND ROD. GROUNDING CONDUCTOR SUPPLIED BY TRUCK SCALE VENDOR, CONTRACTOR INSTALLS.
- ⑧ RUN ONE 3/4" CONDUIT FROM FUEL TANK LEVEL PROBE TO LEVEL GAUGE READOUT IN OFFICE. SEE DWG E-05.
- ⑨ TWO 3/4" CONDUIT STUBOUTS EXISTING FROM BOOSTER PUMP BUILDING, PHASE IIB-3, CONTRACT 3. EXTEND CONDUITS TO SITE LIGHTING POLES AS SHOWN.
- ⑩ INSTALL LIGHTING CONTACTOR FOR SITE LIGHTING ON INSIDE OF SOUTH WALL OF BUILDING. EXTEND 2-#10, 1-#10 GROUND FROM SPARE 20A BREAKER IN EXISTING MCC-1, LOCATED IN BOOSTER PUMP BUILDING, TO LIGHTING CONTACTOR. INSTALL PHOTOELECTRIC CELL ON NORTHWALL OF PUMP BUILDING. 120V POWER FOR PHOTOCELL AND LIGHTING CONTACTOR FROM SPARE BREAKER IN EXISTING PANELBOARD. SEE LIGHTING CONTROL EQUIPMENT, SPECIFICATION SECTION 16930.
- ⑪ SEE DWG E-01 FOR POLE BASE DETAIL.

| RECORD DRAWING                                                                                                                                                                                                                                 |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| DATE: 3/30/89                                                                                                                                                                                                                                  | DRAFTED BY: MCA |
| THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. |                 |

|                                                                                       |                                                                             |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|  | CITY OF ALBUQUERQUE<br>SOILS AMENDMENT FACILITY<br>PHASE II B-3, CONTRACT 4 |
|  | MOLZEN-CORBIN<br>STANLEY CONSULTANTS                                        |

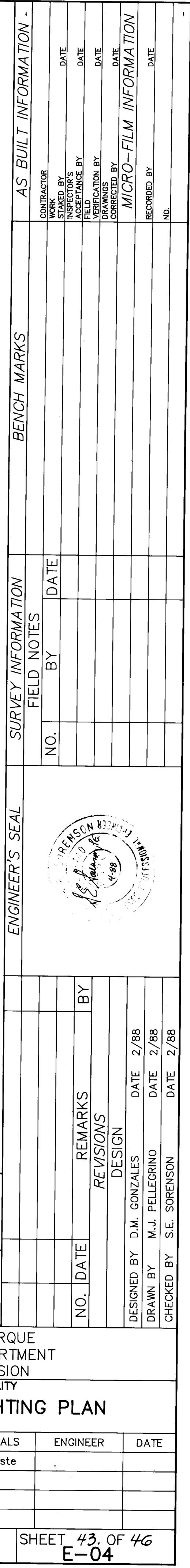
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>LIQUID WASTE DIVISION |          |         |              |                        |      |
|-------------------------------------------------------------------------|----------|---------|--------------|------------------------|------|
| TITLE: LAND APPLICATION FACILITIES<br>ELECTRICAL SITE PLAN              |          |         |              |                        |      |
| APPROVALS                                                               | ENGINEER | DATE    | APPROVALS    | ENGINEER               | DATE |
| City Engineer                                                           |          |         | Liquid Waste |                        |      |
| A.C.E. Design                                                           |          |         | Traffic      |                        |      |
| A.C.E. Hydrology                                                        |          |         | Water        |                        |      |
| DRAWING NO. 3848                                                        |          | MAP NO. |              | SHEET 41 OF 46<br>E-02 |      |



- 1 GROUND FAULT INTERRUPTING RECEPTACLE. CONNECT AT THE END OF THE CIRCUIT.
- 2 4 SQUARE BOX AND SINGLE GANG PLASTER RING WITH 1" CONDUIT STUBBED ABOVE CEILING FOR FUTURE CONDUIT CIRCUITS.
- 3 TELEPHONE BACKBOARD: 4' X 4' X 3/4" A-C GRADE PLYWOOD WITH TWO COATS OF URETHANE VARNISH ON FINISHED SIDE.
- 4 RUN 1/2" CONDUIT THROUGH SLAB TO TELEPHONE BACKBOARD. STUB UP A MINIMUM OF 2" AFF DIRECTLY BELOW TELEPHONE BACKBOARD IN MECHANICAL ROOM.
- 5 6" X 6" X 4" HINGED COVER NEMA 1 BOX WITH "T" HANDLE LATCH. MOUNT ON WALL, UNDER COUNTER. TAP HOLE IN TOP OF BOX AND PROVIDE CORDGRIP FITTING FOR CABLE TO SCALE INSTRUMENT. RUN CABLE UP THROUGH COUNTER. LEAVE AN EXTRA 6' OF CABLE COILED IN BOX.
- 6 3/4" CONDUIT TO TRUCK SCALE. INSTALL CONDUIT AND CABLE AS RECOMMENDED BY TRUCK SCALE SUPPLIER.
- 7 MOUNT ALL RECEPTACLES, WIREMOLD, AND SPECIAL RECEPTACLES ABOVE COUNTER BACKSPLASH EXCEPT AS NOTED.
- 8 DEDICATED CIRCUIT FOR TRUCK SCALE INSTRUMENT. LOCATION AS DIRECTED BY OWNER'S REPRESENTATIVE IN THE FIELD.
- 9 3/4" CONDUIT FOR FUTURE TRUCK SCALE. SEE SITE PLAN, DWG E-02.
- 10 MOUNT RECEPTACLES IN KNEE SPACE UNDER COUNTER AT 14" AFF.
- 11 WEATHERPROOF SWITCH MOUNTED ON ROOF ADJACENT TO FAN.
- 12 CONDUIT TO EXISTING SWITCHBOARD SB-1. SEE SITE PLAN, DWG E-02 FOR LOCATION OF SWITCHBOARD AND SEE ONE LINE DIAGRAM, DWG E-07 FOR CONDUIT AND CONDUCTOR SIZE.
- 13 LUMINAIRE TO BE FLUSH MOUNTED IN SOFFIT.
- 14 #6 BARE COPPER CONDUCTOR TO GROUND ROD AND #6 BARE COPPER TO REBAR IN SLAB. FASTEN CONDUCTORS TO REBAR AND GROUND ROD BY HDWEP.
- 15 THERMOSTAT FURNISHED UNDER DIVISION 15, INSTALLED AND WIRED UNDER DIVISION 16. 1/2" CONDUIT WITH CONTROL CONDUCTORS AS REQUIRED BY AC UNIT MANUFACTURER.
- 16 600V, 30A, 3 POLE, NON-FUSED DISCONNECT. NEMA 3R ENCLOSURE. MOUNT ON ROOF ADJACENT TO MECHANICAL EQUIPMENT.
- 17 MOUNT RECEPTACLES AT 44" AFF.
- 18 SHOWN THUS FOR DRAFTING CONVENIENCE. MOUNT ON AIR CONDITIONER FOUNDATION.
- 19 BOND ALL PIPING AS REQUIRED BY NEC-250.

[illegible]

| APPROVALS        | ENGINEER | DATE    | APPROVALS    | ENGINEER               | DATE |
|------------------|----------|---------|--------------|------------------------|------|
| City Engineer    |          |         | Liquid Waste |                        |      |
| A.C.E.—Design    |          |         | Traffic      |                        |      |
| A.C.E.—Hydrology |          |         | Water        |                        |      |
|                  |          |         |              |                        |      |
| DRAWING NO. 3848 |          | MAP NO. |              | SHEET 42 OF 46<br>E-03 |      |



- 1 MOUNT LUMINAIRE AS NEAR CENTERLINE OF GARAGE AREA AS PRACTICAL. AVOID INTERFERENCE WITH BRIDGE CRANE AND OTHER MECHANICAL EQUIPMENT IN THIS AREA.
- 2 WALL MOUNT LUMINAIRE AT 7 FEET AFF. DIRECTED OUTWARD. AVOID INTERFERENCE WITH PIPING IN THIS AREA.
- 3 WALL MOUNT LUMINAIRE ABOVE WORKBENCH PEGBOARD. AVOID INTERFERENCE WITH PIPING IN THIS AREA.
- 4 PENDANT MOUNT FROM CEILING TO 8 FEET AFF.
- 5 FLUSH MOUNT LUMINAIRE IN BOTTOM OF SOFFITT.
- 6 MOUNT LUMINAIRE AT 8 FEET AFG ON EXTERIOR METAL SURFACE.
- 7 CABLE REEL AND MAINTENANCE LAMP: SECTION 16500, ITEM 13. MOUNT TO BUILDING STRUCTURAL STEEL.
- 8 MOUNT EMERGENCY LIGHTS AT 10 FEET AFF.
- 9 PENDANT MOUNT LUMINAIRES FROM ROOF STRUCTURAL SUPPORTS. BOTTOM OF LUMINAIRE AT 20 FEET AFF.
- 10 MOUNT LUMINAIRE ABOVE DOOR, DIRECTED OUTWARD.

1. CERTAIN SPACES WITHIN THE VEHICLE GARAGE FACILITY AND AREAS ADJACENT ARE CLASSIFIED AS CLASS 1, DIVISION 1 OR DIVISION 2. ALL EQUIPMENT, WIRING AND WIRING METHODS SHALL COMPLY WITH NEC 501, 511, AND 514 AS REQUIRED.

|                                                                                                                                                                                                                                                       |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| DATE:<br><b>4-17-89</b>                                                                                                                                                                                                                               | DRAFTED BY:<br><b>MCA</b> |
| <p>THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.</p> |                           |

| APPROVALS        | ENGINEER | DATE | APPROVALS    | ENGINEER | DATE |
|------------------|----------|------|--------------|----------|------|
| City Engineer    |          |      | Liquid Waste |          |      |
| A.C.E.—Design    |          |      | Traffic      |          |      |
| A.C.E.—Hydrology |          |      | Water        |          |      |

|             |      |         |                         |
|-------------|------|---------|-------------------------|
| DRAWING NO. | 3848 | MAP NO. | SHEET 43. OF 46<br>E-04 |
|-------------|------|---------|-------------------------|

|   |   |   |   |   |   |   |   |   |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2 | 6 |   | 3 | 8 | 4 | 8 | 4 | 3 | 8  | 9  |    |



| PANELBOARD "LP01"                                                       |    |    |   |    |    |                                |  |  |  |
|-------------------------------------------------------------------------|----|----|---|----|----|--------------------------------|--|--|--|
| DESCRIPTION                                                             | CB | NO | Ø | NO | CB | DESCRIPTION                    |  |  |  |
| LTG—RESTRM/MECH RM/S.E. OFC                                             | 20 | 1  | A | 2  | 20 | LTG — LAB / STORE ROOM         |  |  |  |
| LTG — RECEPTION / S.W. OFFICE                                           | 20 | 3  | B | 4  | 20 | LTG — EXTERIOR                 |  |  |  |
| LTG — SALES OFFICE / HALLWAY                                            | 20 | 5  | A | 6  | 20 | RCPT — REST/MECH RM'S ①        |  |  |  |
| RECEPTACLES — S.E. OFFICE                                               | 20 | 7  | B | 8  | 20 | RECEPT. — RECEPTION / S.W. OFC |  |  |  |
| RECEPTACLES — SALES/HALL                                                | 20 | 9  | A | 10 | 20 | RECEPTACLES — SALES OFFICE     |  |  |  |
| LAB — PLUGMOLD                                                          | 20 | 11 | B | 12 | 20 | LAB — PLUGMOLD                 |  |  |  |
| WATER COOLER                                                            | 20 | 13 | A | 14 | 20 | LAB — REFRIGERATOR             |  |  |  |
| LAB — BALANCE SCALE                                                     | 20 | 15 | B | 16 | 20 | LAB — OVEN                     |  |  |  |
| LAB — FURNACE                                                           | 25 | 17 | A | 18 | 20 | SCALE MONITOR                  |  |  |  |
|                                                                         | 2P | 19 | B | 20 | 20 | SPARE                          |  |  |  |
| SPARE                                                                   | 20 | 21 | A | 22 | 20 | SPARE                          |  |  |  |
| SPACE                                                                   |    | 23 | B | 24 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 25 | A | 26 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 27 | B | 28 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 29 | A | 30 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 31 | B | 32 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 33 | A | 34 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 35 | B | 36 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 37 | A | 38 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 39 | B | 40 |    | SPACE                          |  |  |  |
| SPACE                                                                   |    | 41 | A | 42 |    | SPACE                          |  |  |  |
| 120 / 240V<br>1 PHASE, 3 WIRE, 42 CIRCUIT<br>MCB 125 AMP<br>FLUSH MOUNT | N  |    | G |    |    |                                |  |  |  |

| PANELBOARD "PP01"                                                                             |    |    |   |    |    |                          |
|-----------------------------------------------------------------------------------------------|----|----|---|----|----|--------------------------|
| DESCRIPTION                                                                                   | CB | NO | Ø | NO | CB | DESCRIPTION              |
| HVAC UNIT                                                                                     | 25 | 1  | A | 2  | 70 | PANELBOARD "LP01" FEEDER |
|                                                                                               | 3P | 3  | B | 4  | 2P |                          |
|                                                                                               |    | —  | 5 | C  | 6  |                          |
| SPACE                                                                                         |    | 7  | A | 8  |    | SPACE                    |
| SPACE                                                                                         |    | 9  | B | 10 |    | SPACE                    |
| SPACE                                                                                         |    | 11 | C | 12 |    | SPACE                    |
| SPACE                                                                                         |    | 13 | A | 14 |    | SPACE                    |
| SPACE                                                                                         |    | 15 | B | 16 |    | SPACE                    |
| SPACE                                                                                         |    | 17 | C | 18 |    | SPACE                    |
| 277 / 480V<br>3 PHASE, 4 WIRE, 18 CIRCUIT<br>MAIN LUG ONLY, 225 AMP<br>SURFACE MOUNT, NEMA 3R | N  |    | G |    |    |                          |

| PANELBOARD "LP02"                                                       |    |    |   |    |    |                              |  |  |  |
|-------------------------------------------------------------------------|----|----|---|----|----|------------------------------|--|--|--|
| DESCRIPTION                                                             | CB | NO | Ø | NO | CB | DESCRIPTION                  |  |  |  |
| LTG – OFFICE / LUNCH ROOM                                               | 20 | 1  | A | 2  | 20 | LTG – RESTRM/LCKR RM/TOOL RM |  |  |  |
| GARGAGE STRIP LIGHTS                                                    | 20 | 3  | B | 4  | 20 | GARAGE STRIP LIGHTS          |  |  |  |
| GARGAGE STRIP LIGHTS                                                    | 20 | 5  | A | 6  | 15 | CABLE REEL MAINT. LAMPS      |  |  |  |
| RECEPTACLES – OFFICE                                                    | 20 | 7  | B | 8  | 20 | RECEPTACLES – LUNCH ROOM     |  |  |  |
| RCPT – REST/DRESS/TOOL ①                                                | 20 | 9  | A | 10 | 15 | ROOFTOP FURNACE              |  |  |  |
| EVAPORATIVE COOLER                                                      | 20 | 11 | B | 12 | 15 | HOT WATER HEATER             |  |  |  |
| FUEL PUMP                                                               | 20 | 13 | A | 14 | 20 | FUEL TK LEVEL/LEAK DETECTOR  |  |  |  |
| CLEANING RM HEATER                                                      | 15 | 15 | B | 16 | 20 | SPARE                        |  |  |  |
|                                                                         | 3P | 17 | A | 18 | 20 | SPARE                        |  |  |  |
|                                                                         | –  | 19 | B | 20 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 21 | A | 22 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 23 | B | 24 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 25 | A | 26 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 27 | B | 28 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 29 | A | 30 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 31 | B | 32 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 33 | A | 34 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 35 | B | 36 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 37 | A | 38 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 39 | B | 40 |    | SPACE                        |  |  |  |
| SPACE                                                                   |    | 41 | A | 42 |    | SPACE                        |  |  |  |
| 120 /208V<br>3 PHASE, 4 WIRE, 42 CIRCUIT<br>MCB 55 AMP<br>SURFACE MOUNT | N  |    | G |    |    |                              |  |  |  |

| PANELBOARD "PP02"                                                                             |    |    |    |    |    |                          |
|-----------------------------------------------------------------------------------------------|----|----|----|----|----|--------------------------|
| DESCRIPTION                                                                                   | CB | NO | Ø  | NO | CB | DESCRIPTION              |
| PANELBOARD "LP02" FEEDER                                                                      | 25 | 1  | A  | 2  | 70 | PANELBOARD "LP03" FEEDER |
|                                                                                               | 3P | 3  | B  | 4  | 2P |                          |
|                                                                                               |    | —  | 5  | C  | 6  |                          |
| GARAGE DOOR — SOUTH                                                                           | 15 | 7  | A  | 8  | 15 | GARAGE DOOR — NORTH      |
|                                                                                               | 3P | 9  | B  | 10 | 3P |                          |
|                                                                                               |    | —  | 11 | C  | 12 |                          |
| AIR COMPRESSOR                                                                                | 15 | 13 | A  | 14 | 30 | HOT WATER WASH UNIT      |
|                                                                                               | 3P | 15 | B  | 16 | 3P |                          |
|                                                                                               |    | —  | 17 | C  | 18 |                          |
| BRIDGE CRANE                                                                                  | 15 | 19 | A  | 20 | 20 | SPARE                    |
|                                                                                               | 3P | 21 | B  | 22 | 3P |                          |
|                                                                                               |    | —  | 23 | C  | 24 |                          |
| SPACE                                                                                         |    | 25 | A  | 26 |    | SPACE                    |
| SPACE                                                                                         |    | 27 | B  | 28 |    | SPACE                    |
| SPACE                                                                                         |    | 29 | C  | 30 |    | SPACE                    |
| 277 / 480V<br>3 PHASE, 4 WIRE, 30 CIRCUIT<br>MAIN LUG ONLY, 225 AMP<br>SURFACE MOUNT, NEMA 3R | N  |    | G  |    |    |                          |

| PANELBOARD "LP03"                                                         |    |    |   |    |    |                           |  |  |  |
|---------------------------------------------------------------------------|----|----|---|----|----|---------------------------|--|--|--|
| DESCRIPTION                                                               | CB | NO | Ø | NO | CB | DESCRIPTION               |  |  |  |
| LTG – GARAGE BAY                                                          | 20 | 1  | A | 2  | 20 | LTG – GARAGE BAY          |  |  |  |
| LTG – GARAGE BAY                                                          | 20 | 3  | B | 4  | 20 | LTG – COVERED PARKING BAY |  |  |  |
| LTG – COVERED PARKING BAY                                                 | 20 | 5  | A | 6  | 20 | LTG – EXTERIOR            |  |  |  |
| LTG – EXTERIOR                                                            | 20 | 7  | B | 8  | 20 | RECEPTACLES – GARAGE ①    |  |  |  |
| RECEPT – WORK BENCH ①                                                     | 20 | 9  | A | 10 | 20 | RECEPTACLES – GARAGE ①    |  |  |  |
| RADIANT HEATERS                                                           | 20 | 11 | B | 12 | 20 | GARAGE EXHAUST FAN        |  |  |  |
| RECEPT – 240V WORK BENCH                                                  | 20 | 13 | A | 14 | 20 | SPARE                     |  |  |  |
|                                                                           | 2P | 15 | B | 16 | 20 | SPARE                     |  |  |  |
| SPARE                                                                     | 20 | 17 | A | 18 | 20 | SPARE                     |  |  |  |
| SPACE                                                                     |    | 19 | B | 20 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 21 | A | 22 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 23 | B | 24 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 25 | A | 26 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 27 | B | 28 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 29 | A | 30 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 31 | B | 32 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 33 | A | 34 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 35 | B | 36 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 37 | A | 38 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 39 | B | 40 |    | SPACE                     |  |  |  |
| SPACE                                                                     |    | 41 | A | 42 |    | SPACE                     |  |  |  |
| 120 / 240V<br>1 PHASE, 3 WIRE, 42 CIRCUIT<br>MCB 125 AMP<br>SURFACE MOUNT | N  |    | G |    |    |                           |  |  |  |

NOTES

1 FURNISH GFI BREAKER

1 2 3 4 5 6 7 8 9 10 11 12  
24 38 48 45 8 9

AS BUILT INFORMATION

CONTRACTOR  
STANDARD  
DATE

INSPECTOR'S  
FIELD  
DATE

VERIFICATION BY  
DATE

REVISIONS  
DATE

RECORDED BY  
DATE

BENCH MARKS

NO.

DATE

BY

SURVEY INFORMATION

FIELD NOTES

NO.

DATE

BY

ENGINEER'S SEAL

REVISIONS

DESIGN

DATE

BY

RECORD DRAWING

DATE: 4-17-89

DRAFTED BY: MCA

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CITY OF ALBUQUERQUE, NEW MEXICO

SOILS ADMMENDMENT FACILITY

PHASE II B-3, CONTRACT 4

MOLZEN-CORBIN

STANLEY CONSULTANTS

A JOINT VENTURE

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DIVISION

SOILS ADMMENDMENT FACILITY

TITLE: PANELBOARD SCHEDULES

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

City Engineer

A.C.E.-Design

A.C.E.-Hydrology

Liquid Waste

Traffic

Water

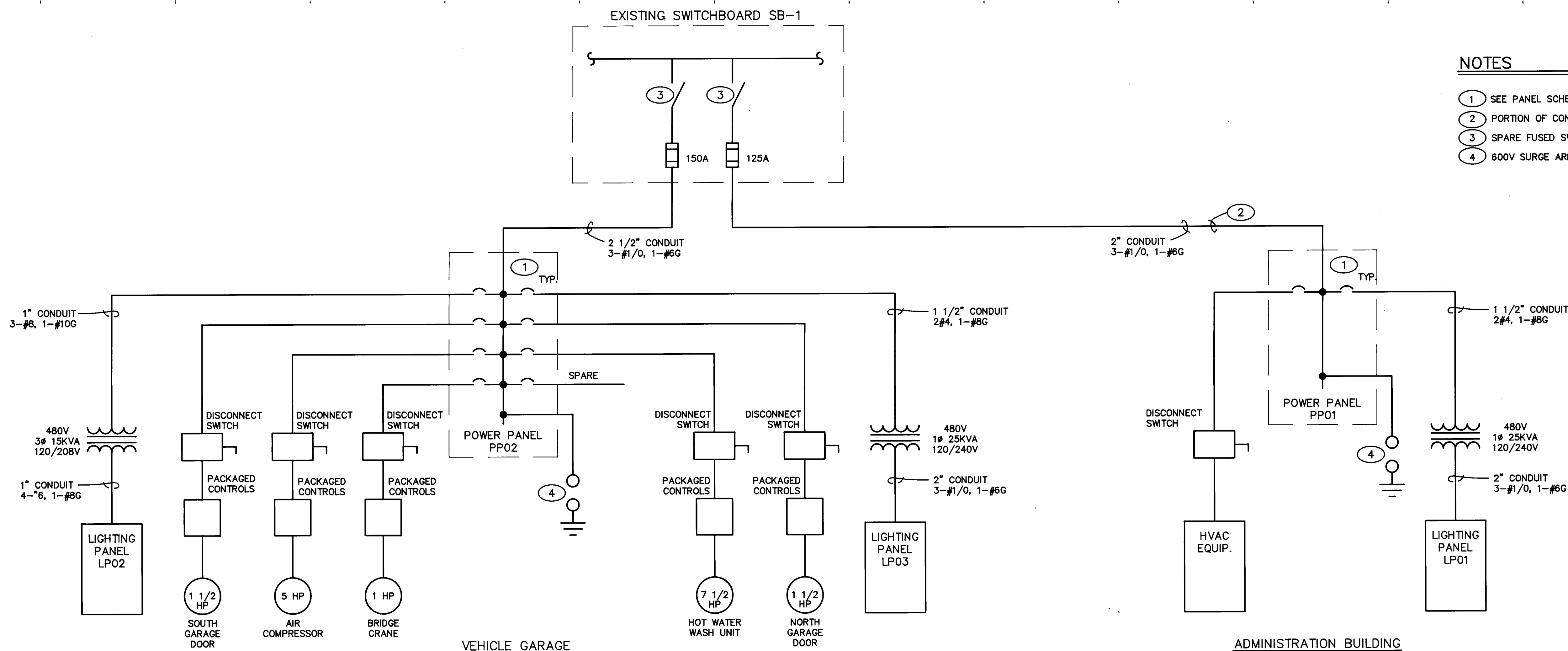
DRAWING NO.

3848

MAP NO.

SHEET 45 OF 46

E-06



ONE-LINE DIAGRAM

**NOTES**

- ① SEE PANEL SCHEDULES FOR CIRCUIT BREAKER RATINGS.
- ② PORTION OF CONDUIT RUN EXISTING. SEE SITE PLAN, DWG E-02.
- ③ SPARE FUSED SWITCH IN SB-1. FURNISH FUSES AS SHOWN.
- ④ 600V SURGE ARRESTOR. SPECIFICATION SECTION 16421, 2.01.

|                        |      |  |             |  |  |                    |     |    |                 |  |  |  |
|------------------------|------|--|-------------|--|--|--------------------|-----|----|-----------------|--|--|--|
| AS BUILT INFORMATION   |      |  | BENCH MARKS |  |  | SURVEY INFORMATION |     |    | ENGINEER'S SEAL |  |  |  |
| CONTRACTOR             | DATE |  |             |  |  | FIELD NOTES        | NO. | BY | DATE            |  |  |  |
| WORKED BY              | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| INSPECTED BY           | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| ACCEPTANCE BY          | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| VERIFICATION BY        | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| DRAWN BY               | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| CHECKED BY             | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| MICRO-FILM INFORMATION |      |  |             |  |  |                    |     |    |                 |  |  |  |
| RECORDED BY            | DATE |  |             |  |  |                    |     |    |                 |  |  |  |
| NO.                    |      |  |             |  |  |                    |     |    |                 |  |  |  |

| RECORD DRAWING                                                                                                                                                                                                                                                |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| DATE:<br>4-17-89                                                                                                                                                                                                                                              | DRAFTED BY:<br>MCA |
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|                                 |  |
|---------------------------------|--|
|                                 |  |
| CITY OF ALBUQUERQUE, NEW MEXICO |  |
| SOILS ADMMENDMENT FACILITY      |  |
| PHASE II B-3, CONTRACT 4        |  |
|                                 |  |
| MOLZEN-CORBIN                   |  |
| STANLEY CONSULTANTS             |  |
| A JOINT VENTURE                 |  |

|                                                                                                      |          |           |                          |          |           |
|------------------------------------------------------------------------------------------------------|----------|-----------|--------------------------|----------|-----------|
| CITY OF ALBUQUERQUE<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION<br>SOILS ADMMENDMENT FACILITY |          |           |                          |          |           |
| TITLE:<br>ONE-LINE DIAGRAM & DETAILS                                                                 |          |           |                          |          |           |
| APPROVALS                                                                                            | ENGINEER | DATE      | APPROVALS                | ENGINEER | DATE      |
| City Engineer                                                                                        |          |           | Liquid Waste             |          |           |
| A.C.E.-Design                                                                                        |          |           | Traffic                  |          |           |
| A.C.E.-Hydrology                                                                                     |          |           | Water                    |          |           |
| DESIGNED BY D.M. GONZALES                                                                            |          | DATE 2/88 | DRAWN BY M.J. PELLEGRINO |          | DATE 2/88 |
| CHECKED BY S.E. SORENSON                                                                             |          | DATE 2/88 |                          |          |           |
| DRAWING NO. 3848                                                                                     |          | MAP NO.   | SHEET 46 OF 46<br>E-07   |          |           |

1 2 3 4 5 6 7 8 9 10 11 12  
26 38 48 46 89