

# FAIRBANKS READINESS CENTER

DMVA/FMO PROJECT No. 020022  
STATE OF ALASKA PROJECT No. 65892

Prime Consultant

**LOFTUS ENGINEERING ASSOCIATES, Inc.**  
1028 Aurora Dr. Fairbanks AK 99709 (907) 456-7680

Architect

**JANTZ ASSOCIATES**  
1648 Cushman St. Suite 200 Fairbanks AK 99701 (907) 451-9353

Civil Engineer

**FPE/ROEN**  
1028 Aurora Dr. Fairbanks AK 99709 (907) 452-1414

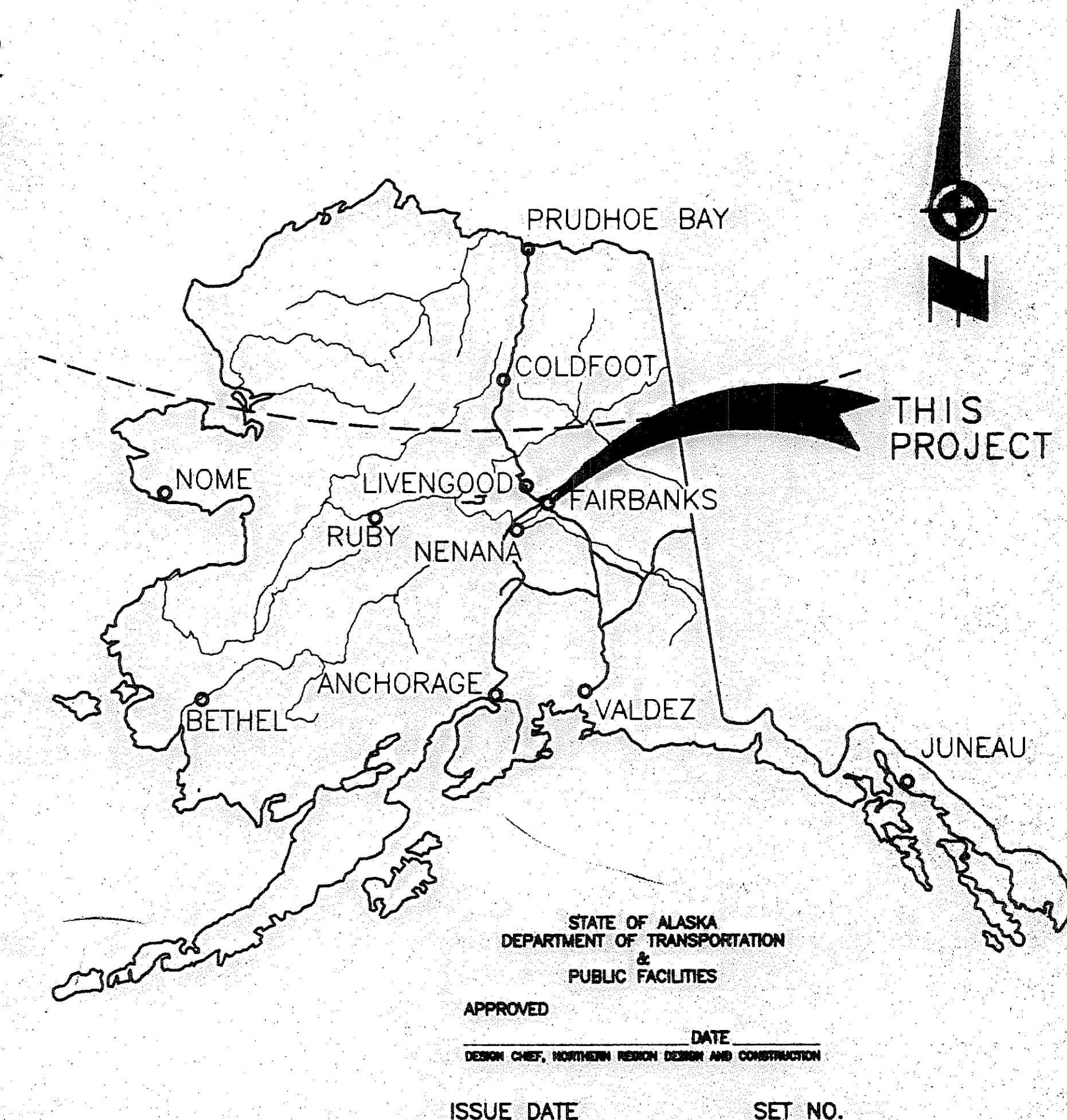
Electrical & Mechanical Engineer

**RSA ENGINEERING**  
2522 Arctic Blvd. Suite 200 Anchorage AK 99503 (907) 276-0521

Geotechnical Engineer

**R&M Engineering Consultants**  
510 Fourth St. Fairbanks AK 99701 (907) 452 1655

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
NORTHERN REGION, DESIGN AND CONSTRUCTION  
2301 PEGER ROAD  
FAIRBANKS, ALASKA 99709-5316



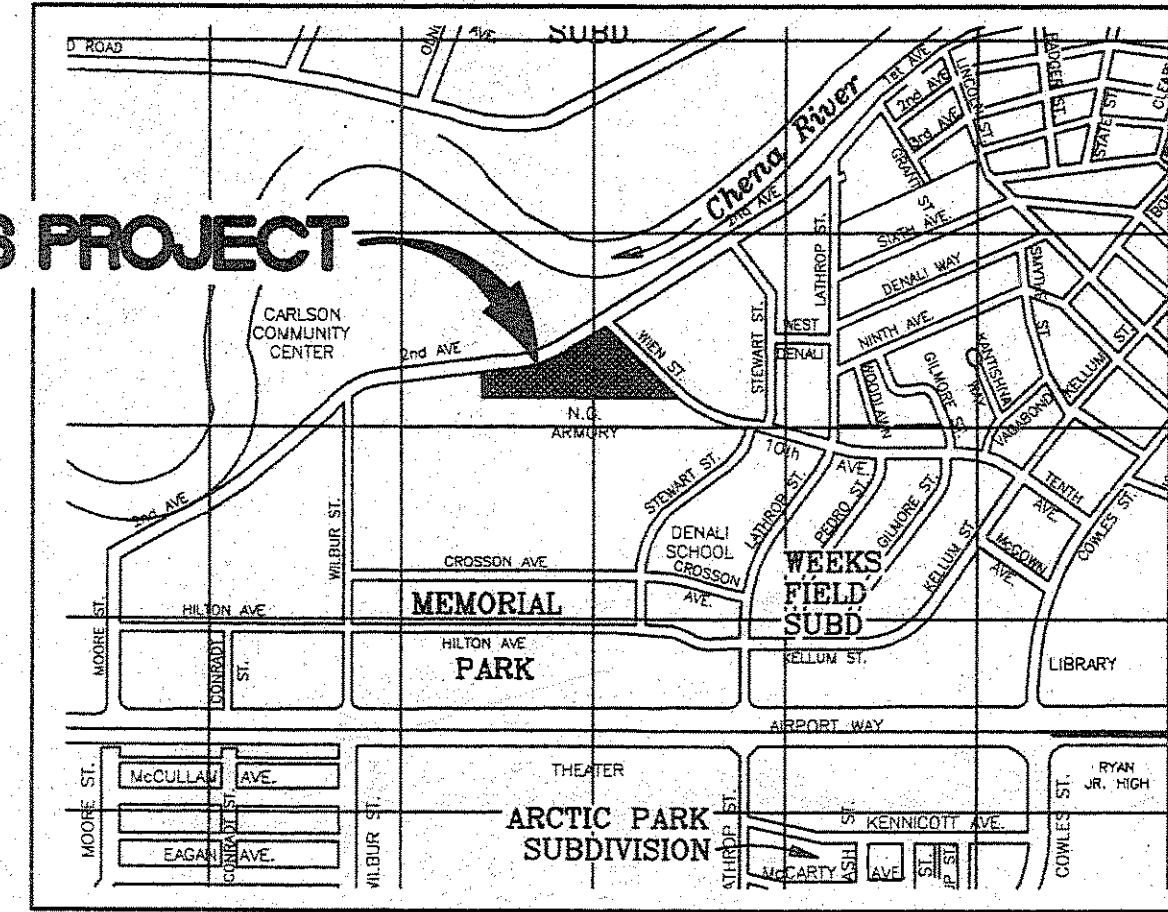
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# NOTES

1. THIS TOPOGRAPHIC SURVEY IS BASED ON FIELD SURVEYS PERFORMED BETWEEN DEC. 2 AND DEC. 8, 1992. MINOR EDITS TO THE PREVIOUS DRAWINGS HAVE BEEN MADE TO REFLECT EXISTING CONDITIONS FOLLOWING AN ADDITIONAL SURVEY IN AUGUST, 1995.
2. THE ALASKA NATIONAL GUARD PARCEL BOUNDARY AS SHOWN IS TAKEN FROM THE LEASE AGREEMENT RECORDED APRIL 24, 1961 IN BOOK 15, PAGE 168, FAIRBANKS RECORDING DISTRICT.
3. THE TEMPORARY BENCH MARK, MANHOLE, AND FINISHED FLOOR ELEVATIONS WERE ESTABLISHED BY DIFFERENTIAL LEVELS. SPOT ELEVATIONS AND ALL OTHER TOPOGRAPHIC FEATURES WERE ESTABLISHED BY TRIGONOMETRIC LEVELS.
4. THE BASIS OF BEARING IS THE RECOVERED SECOND AVENUE MONUMENTATION AS SHOWN.
5. THE BASIS OF VERTICAL CONTROL IS AN FPE/ROEN BENCH MARK ON A FIRE HYDRANT EAST OF STEWART STREET AND SOUTH OF SECOND AVENUE, RECORD ELEVATION 439.20.
6. LOCATION OF UNDERGROUND UTILITIES IS BASED UPON THE EVIDENCE OF VISIBLE ABOVE GROUND IMPROVEMENTS AND AS-BUILTS. UTILITY COMPANIES AND AGENCIES SHOULD BE CONTACTED TO VERIFY LOCATIONS BEFORE ANY EXCAVATION.
7. SPOT ELEVATIONS SHOWN ON CURB LINES WERE TAKEN AT TOP BACK OF CURB.
8. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITIONS. ENTIRE SITE WAS COVERED WITH 14" OF SNOW AT THE TIME OF THE DECEMBER, 1992 SURVEY. SOME IMPROVEMENTS MAY HAVE GONE UNDETECTED AND WERE NOT LOCATED.

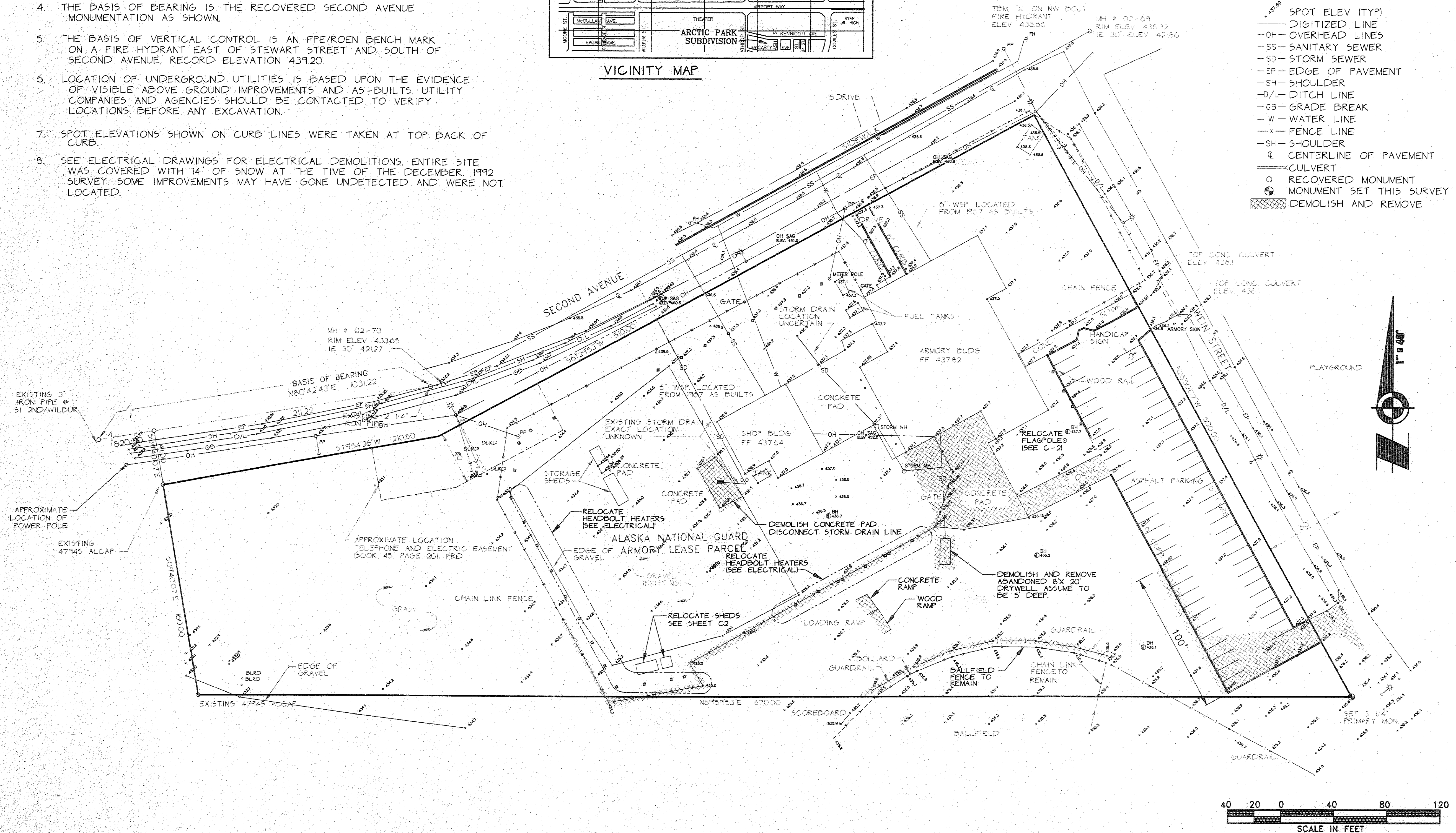
## THIS PROJECT



VICINITY MAP

## LEGEND

- CATCH BASIN
- CLEANOUT
- HYDRANT
- SOIL BORING
- MANHOLE
- GUY ANCHOR
- HEADBOLT HEATER
- STREET LIGHT
- PHONE PEDESTAL
- PIPE
- STREET SIGN
- POWER POLE
- SPOT ELEV (TYP)
- DIGITIZED LINE
- OH— OVERHEAD LINES
- SS— SANITARY SEWER
- SD— STORM SEWER
- EP— EDGE OF PAVEMENT
- SH— SHOULDER
- D/L— DITCH LINE
- GB— GRADE BREAK
- W— WATER LINE
- X— FENCE LINE
- SH— SHOULDER
- Q— CENTERLINE OF PAVEMENT
- CULVERT
- RECOVERED MONUMENT
- MONUMENT SET THIS SURVEY
- DEMOLISH AND REMOVE



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**FPE ROEN**  
ENGINEERS  
1000 Avenue D, Fairbanks, Alaska 99701-3337

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DESIGN DEVELOPMENT SUBMITAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: CP,RP,JB  
designed: TR,KR  
checked:  
revised:

EXISTING CONDITIONS  
AND  
DEMOLITION PLAN

sheet no.

C1

70% SUBMITTAL

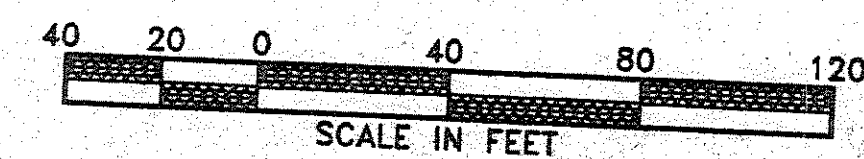
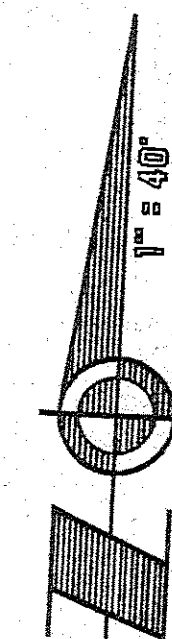
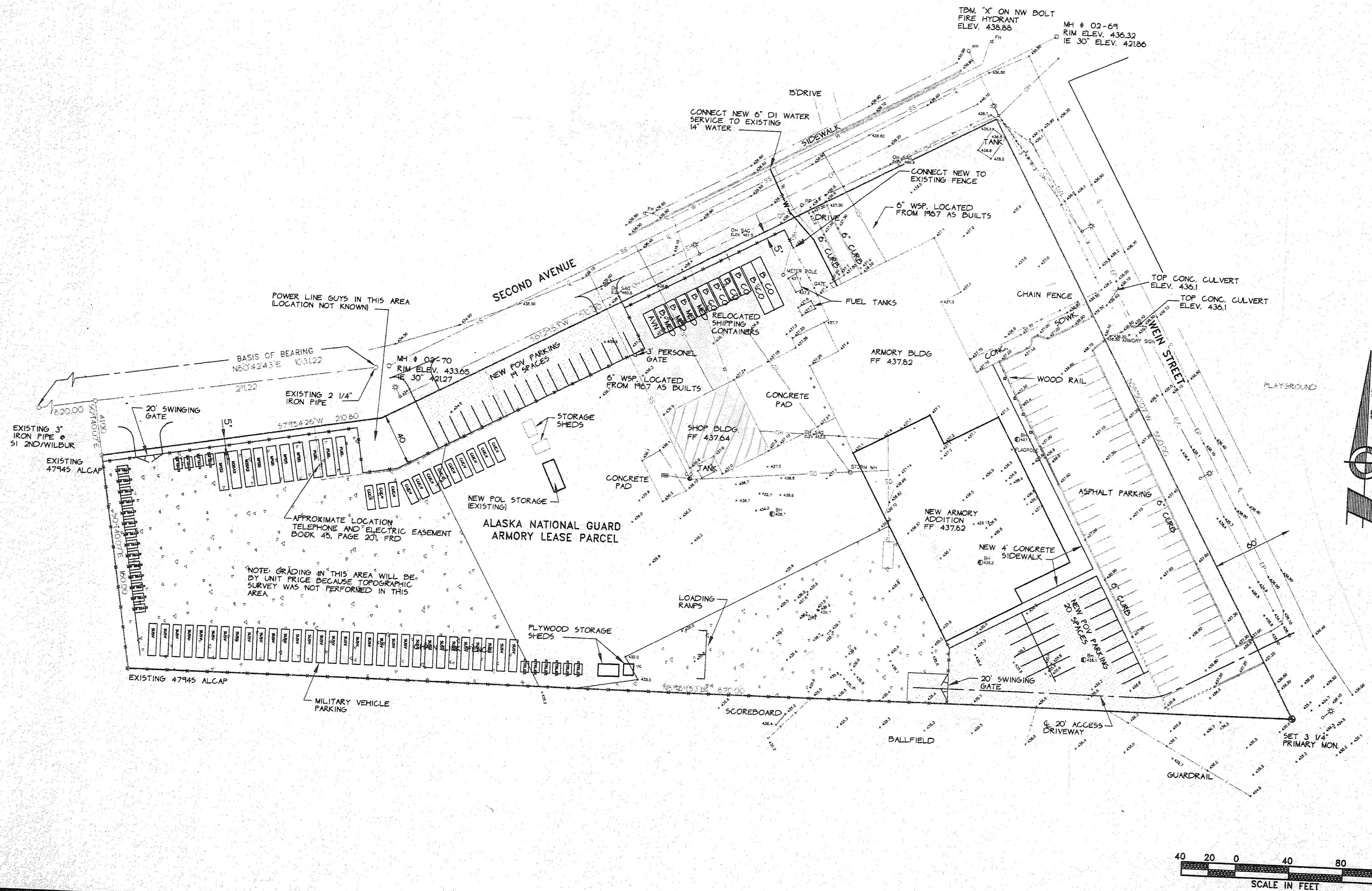
# NOTES

- SEE ELECTRICAL SITE PLAN FOR LOCATION OF NEW HEADBOLT HEATERS.

## LEGEND

SEE GENERAL LEGEND ON SHEET C-1

- NEW ASPHALT PAVEMENT
- NEW CRUSHED AGGREGATE SURFACING



35% SUBMITTAL

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SITE PLAN

sheet no.  
C-2

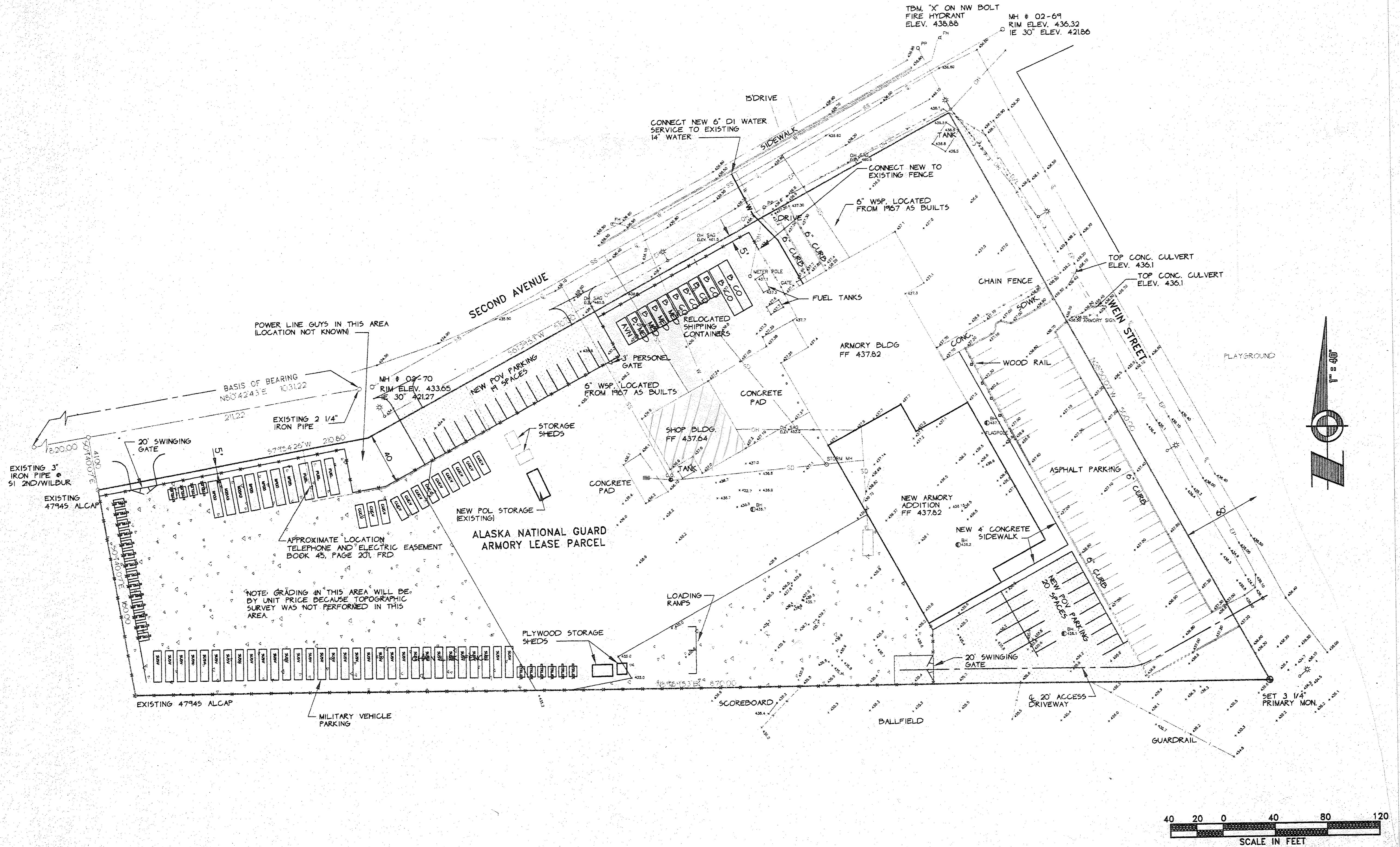
# NOTES

- SEE ELECTRICAL SITE PLAN FOR LOCATION OF NEW HEADBOLT HEATERS.

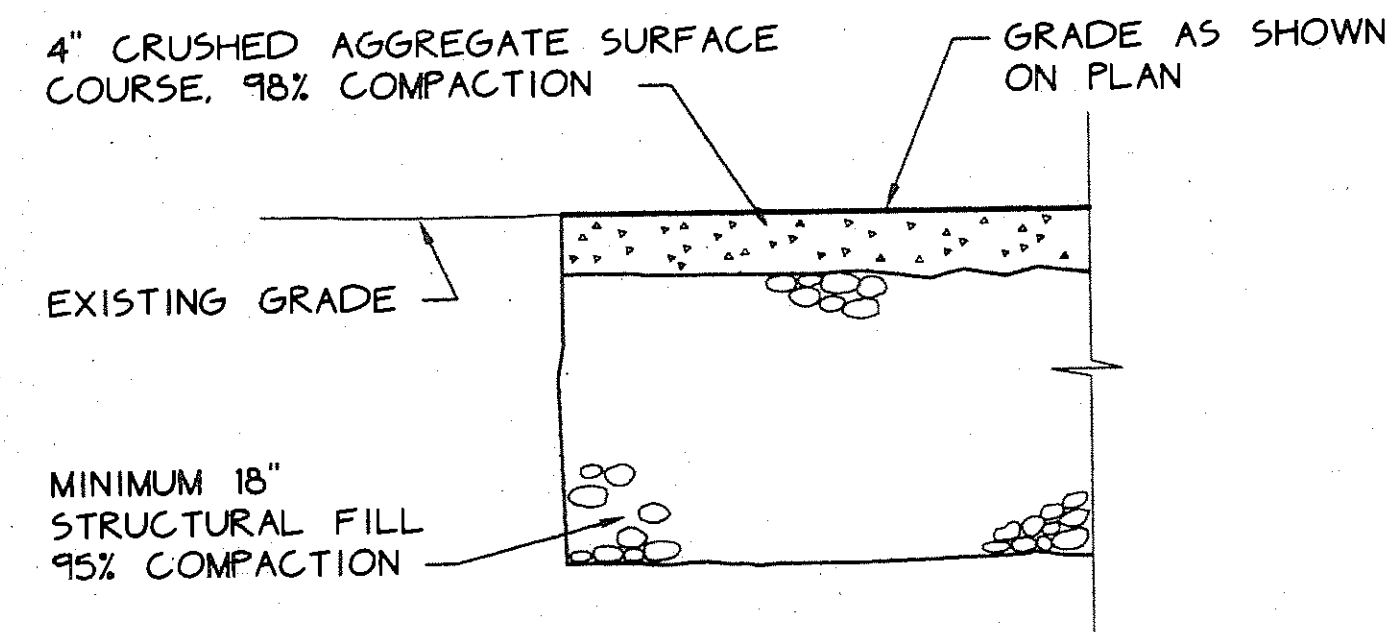
## LEGEND

SEE GENERAL LEGEND ON SHEET C-1

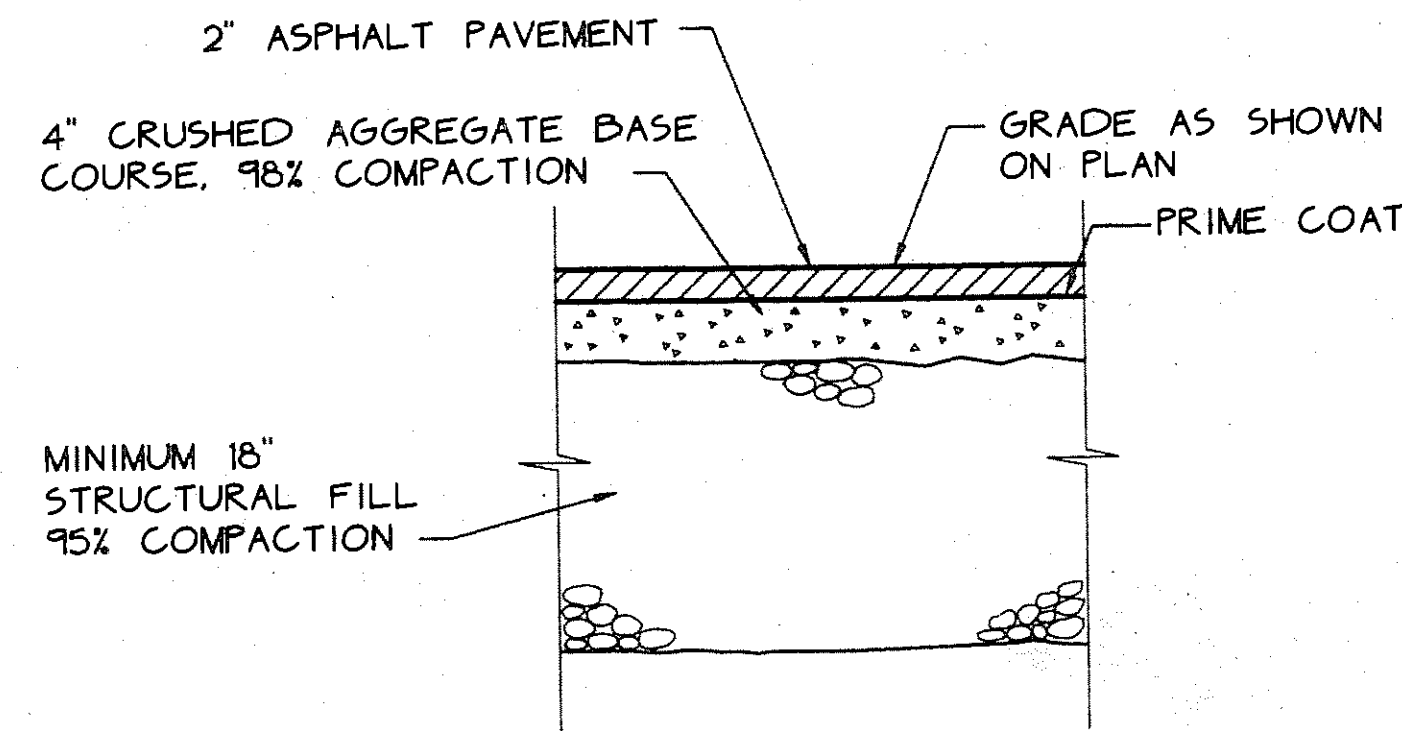
- NEW ASPHALT PAVEMENT
- NEW CRUSHED AGGREGATE SURFACING



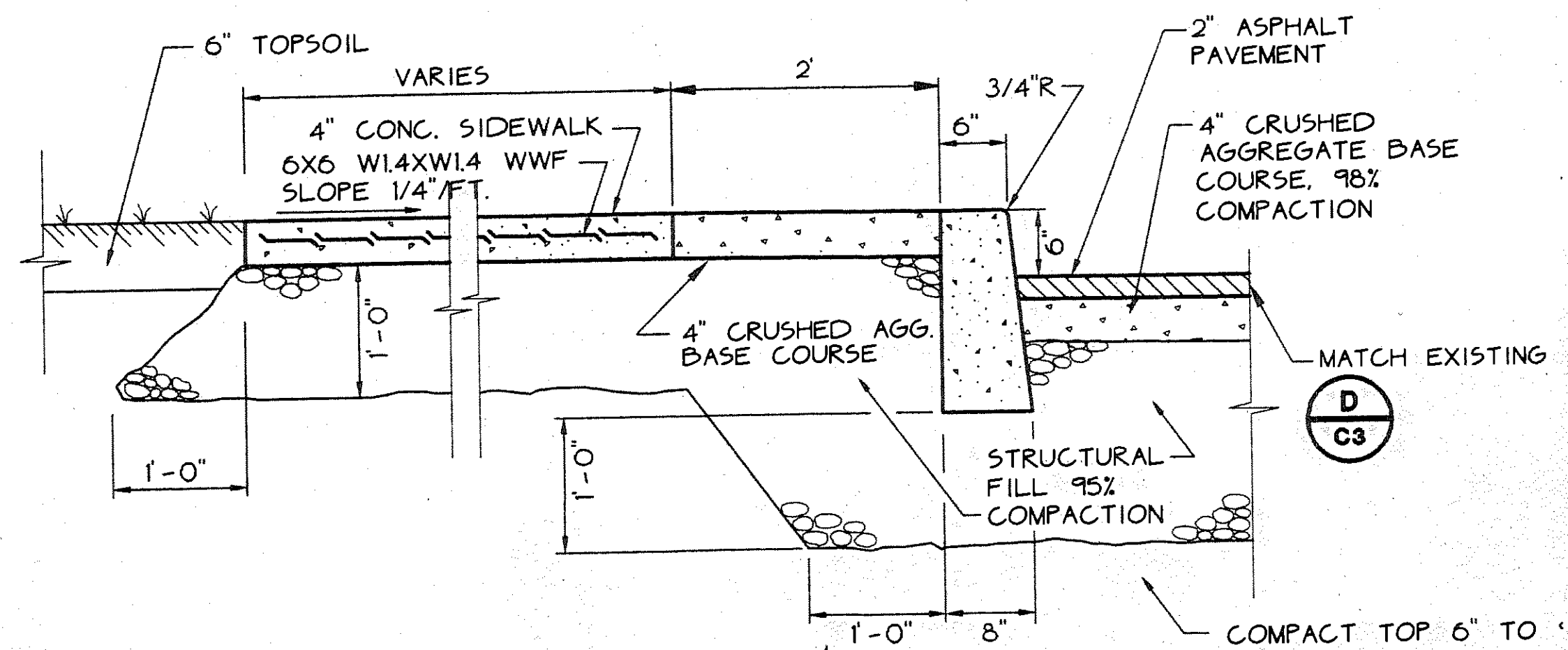
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**A TYPICAL GRADING SECTION**  
NTS

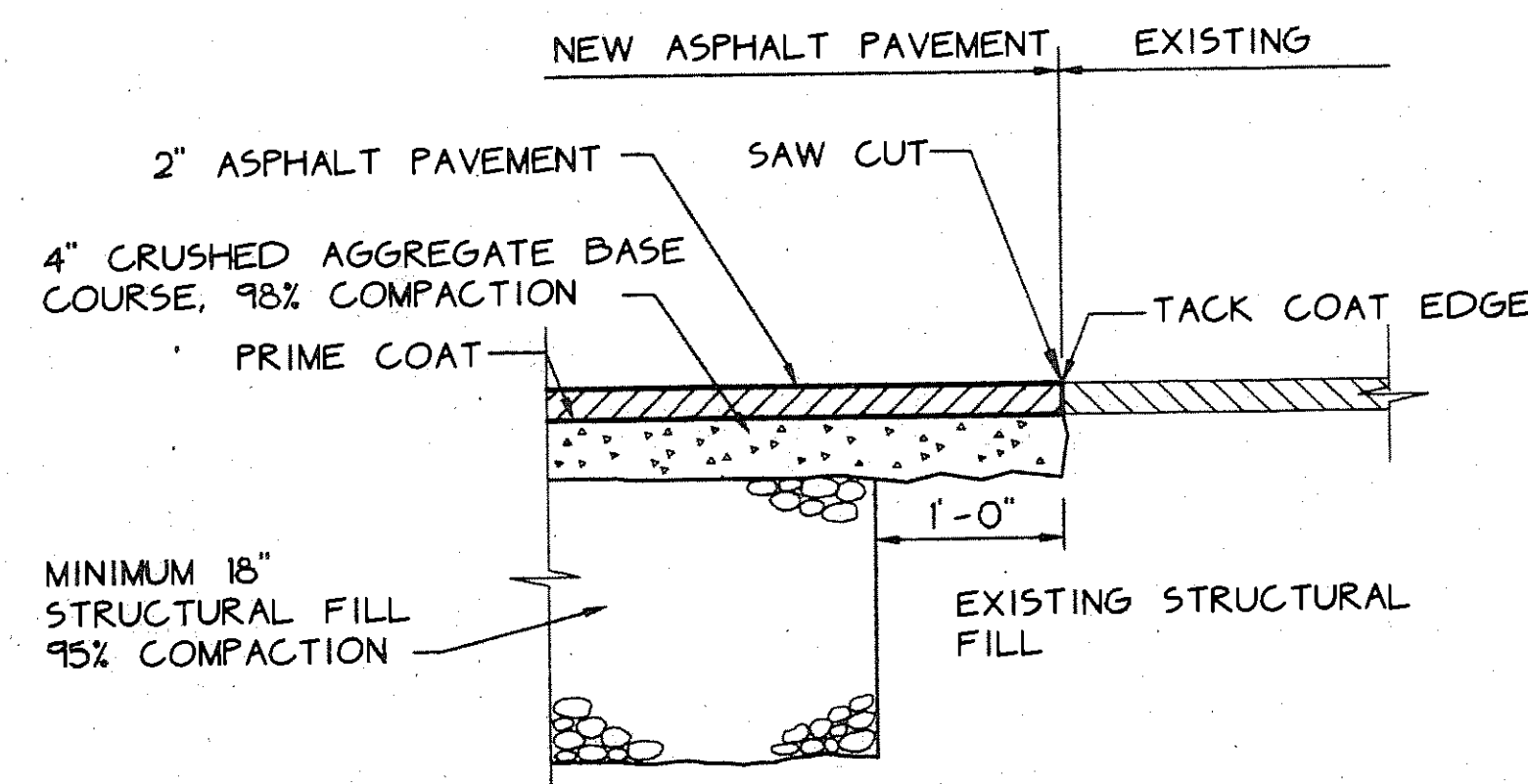


**B TYPICAL PAVING SECTION**  
NTS

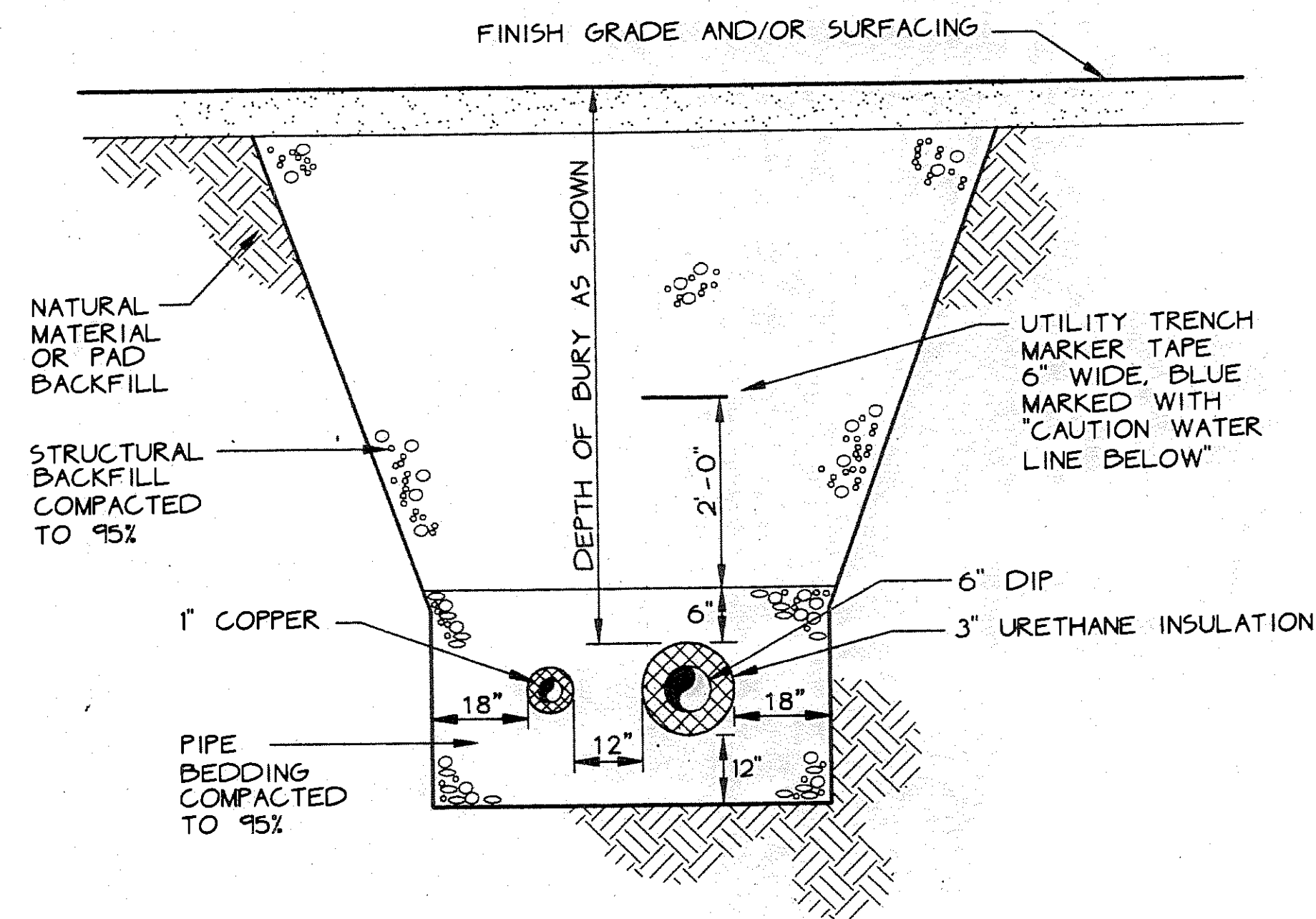


NOTE: PROVIDE 1/2" EXPANSION JOINTS EVERY 20' AND AT CORNERS.

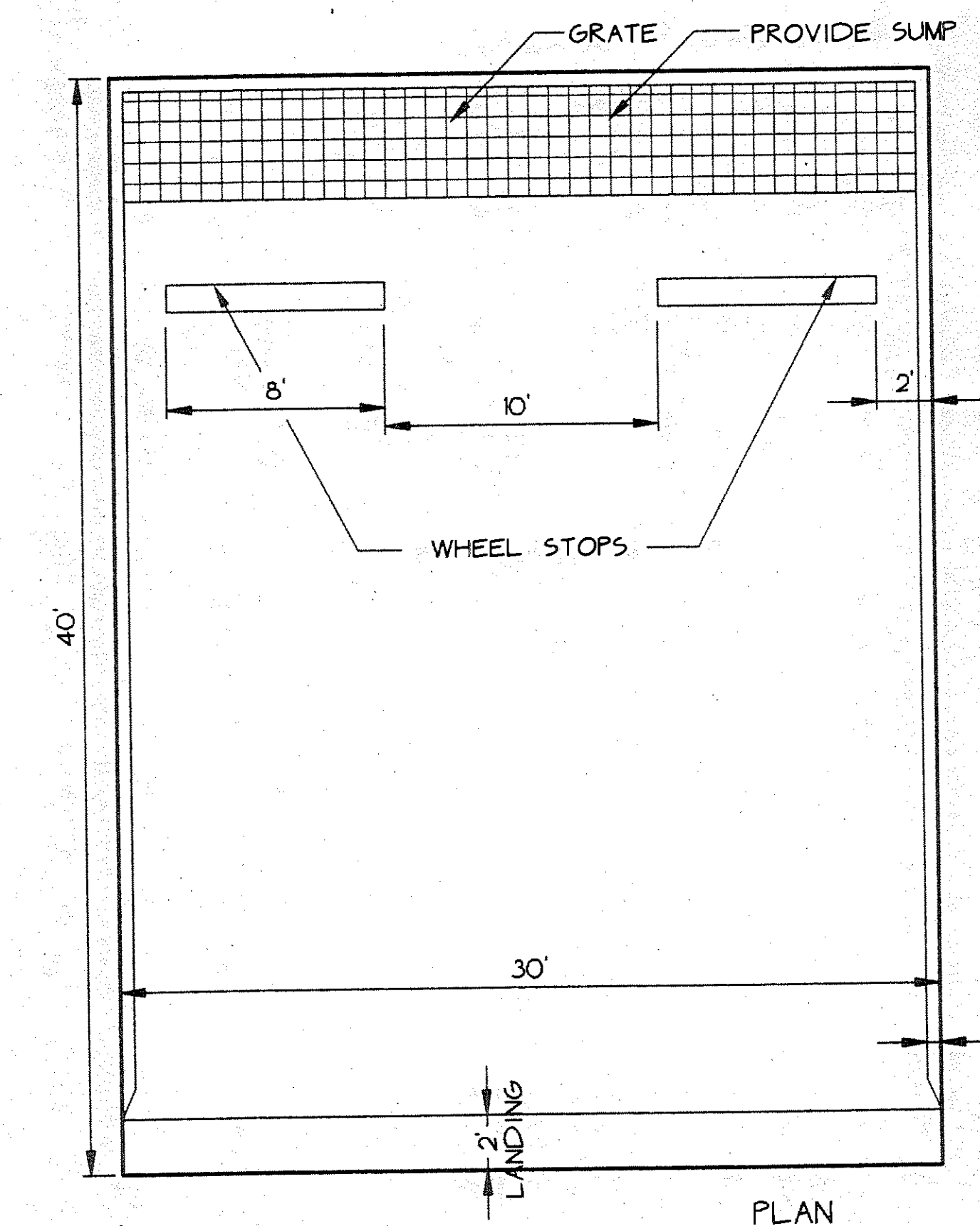
**C TYPICAL SECTION CONCRETE CURB AND SIDEWALK**  
NTS



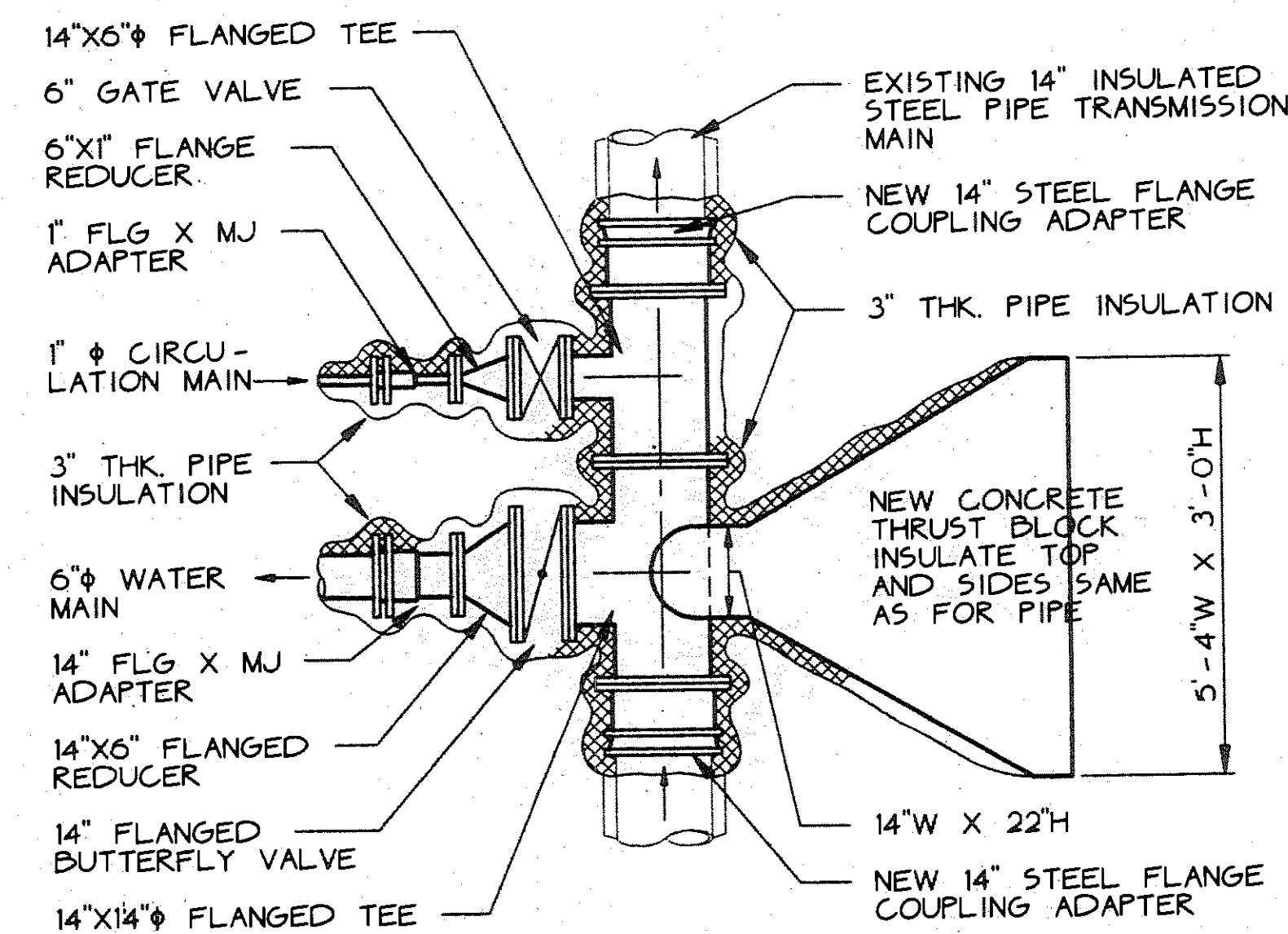
**D TYPICAL SECTION NEW TO EXISTING PAVEMENT**  
NTS



**F WATER LINE SECTION**  
NTS



**E FUEL TRUCK PARKING**  
NTS



**G MAIN CONNECTION**  
NTS

CONTRACTOR TO FURNISH ALL MATERIALS TO FMUS FOR INSTALLATION BY FMUS. COORDINATE REQUIRED MATERIALS, SCHEDULING AND DELIVERY WITH FMUS.

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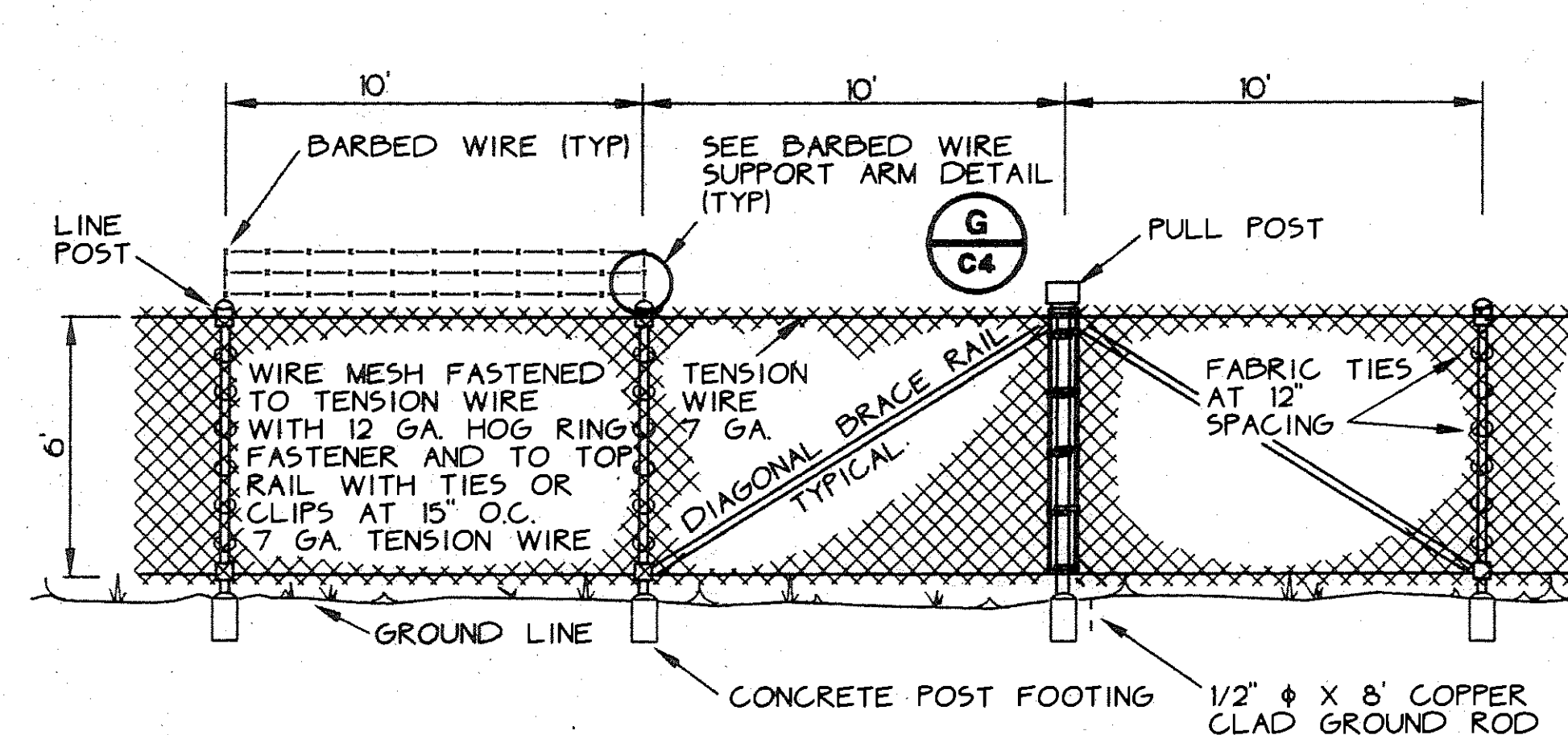
date: 01/15/97  
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designed: TR, KAR  
checked:  
revised:

CIVIL DETAILS

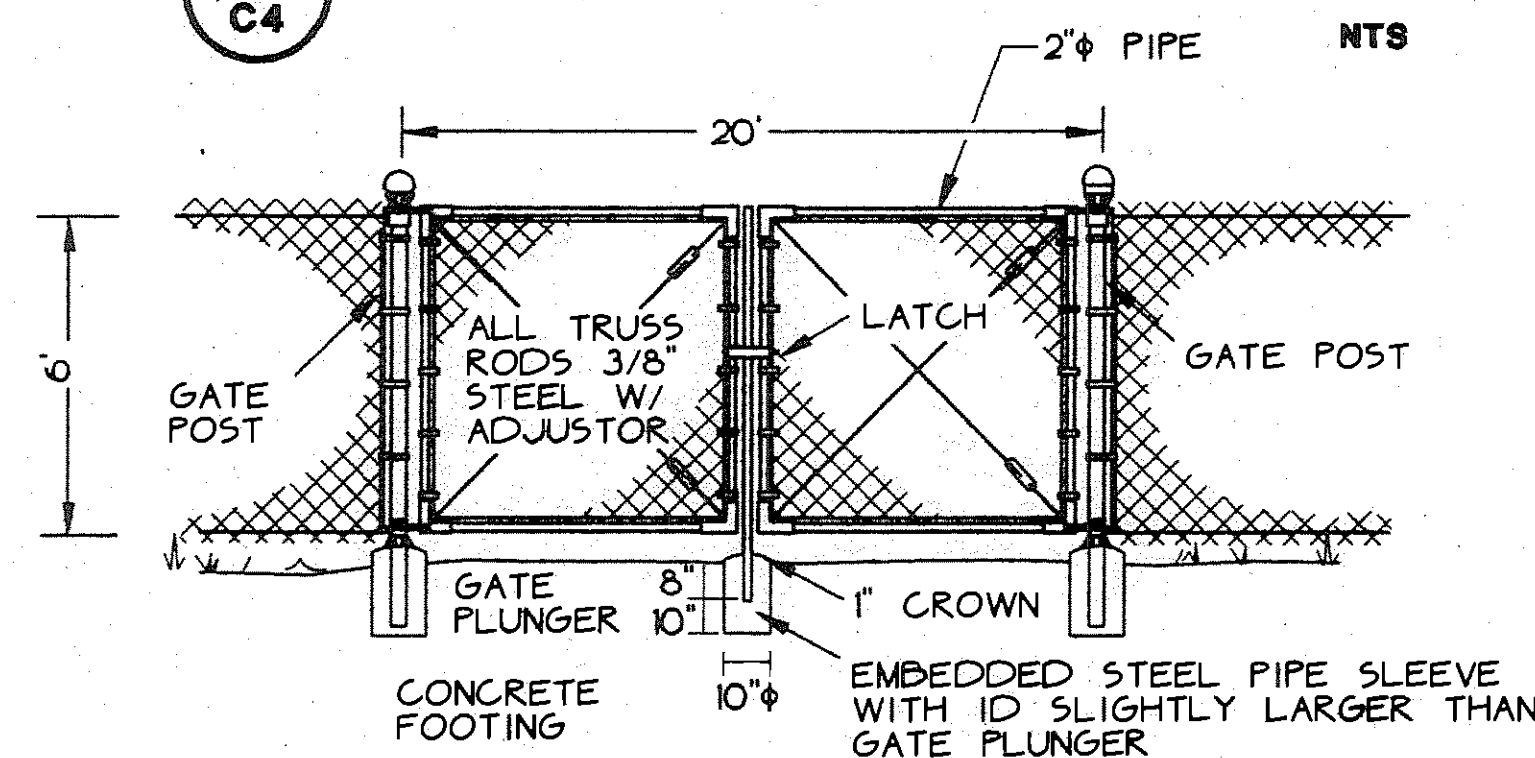
sheet no.

C3

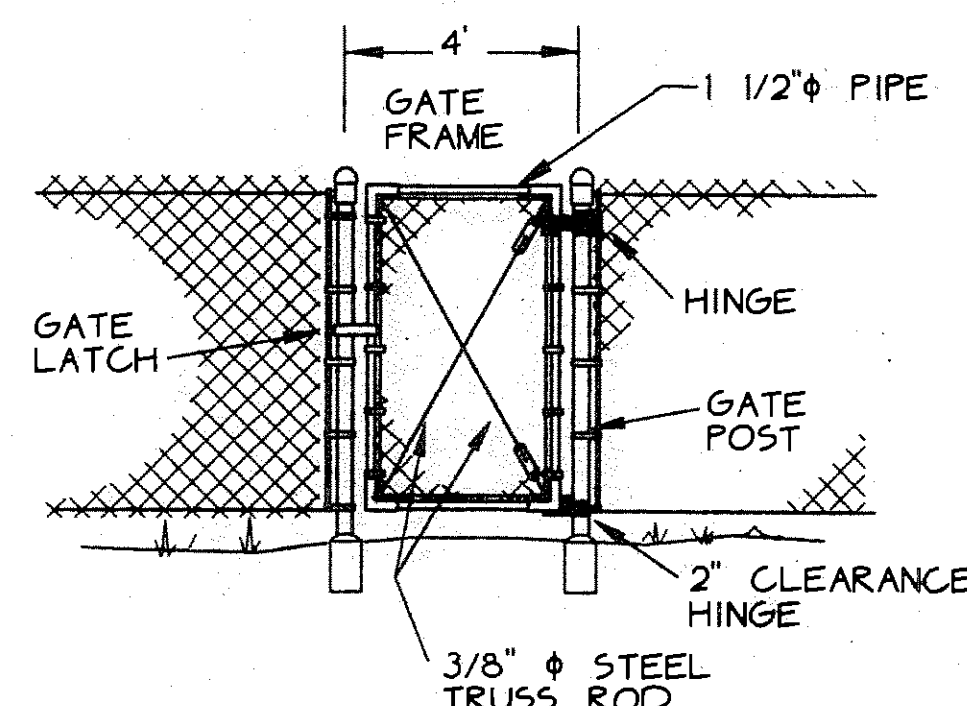
70% SUBMITTAL



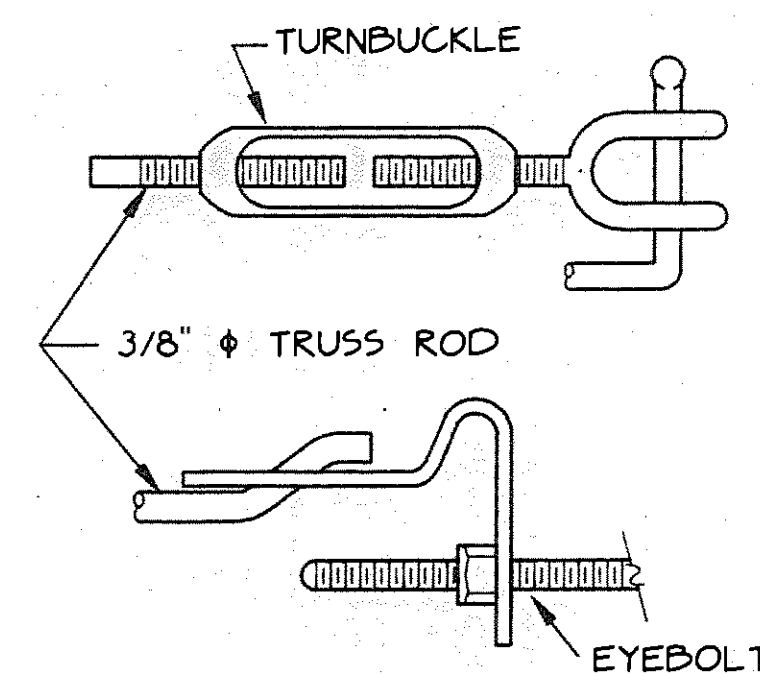
**A**  
**C4** TYPICAL CHAIN LINK FENCE



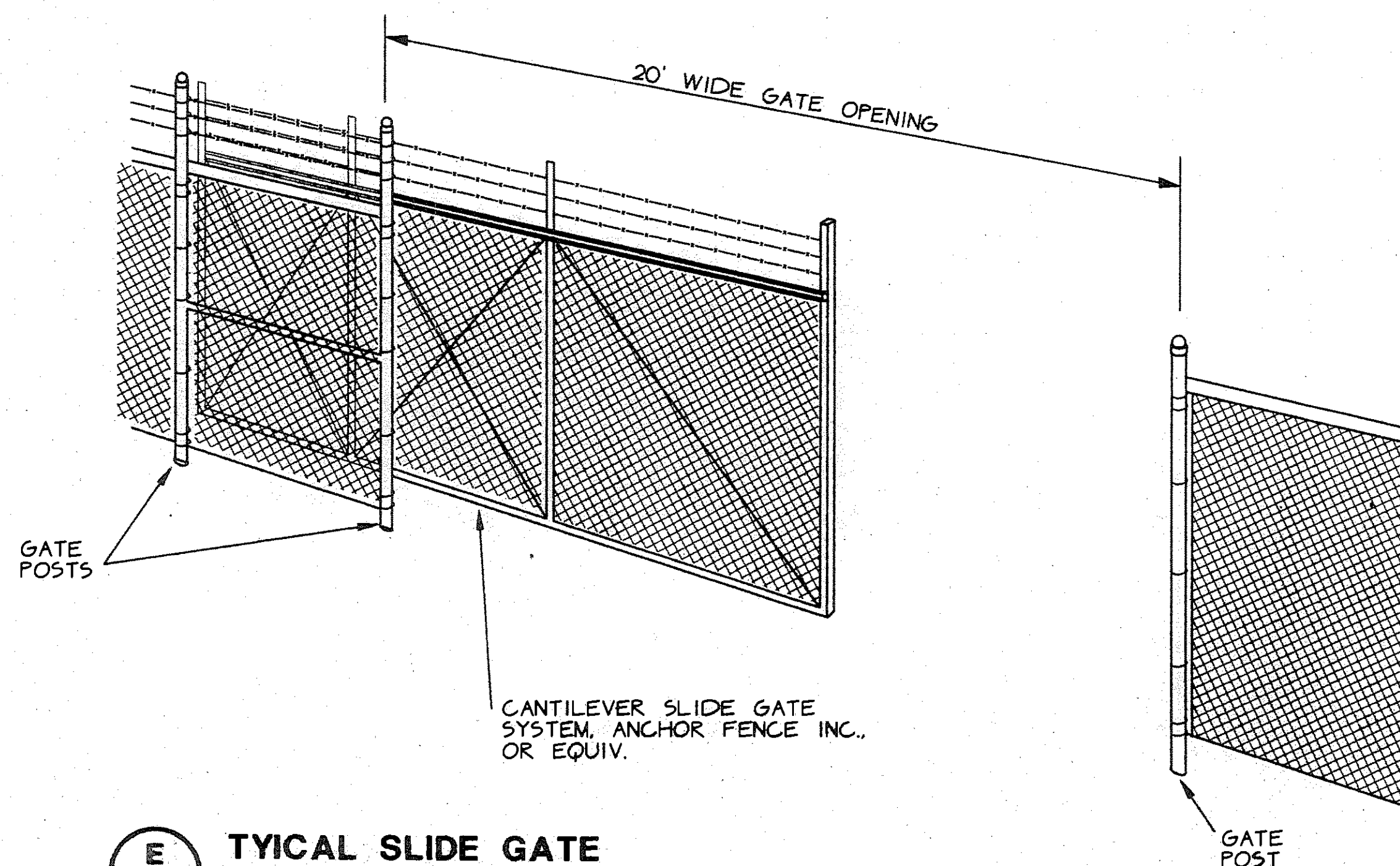
**B**  
**C4** DOUBLE SWING GATE



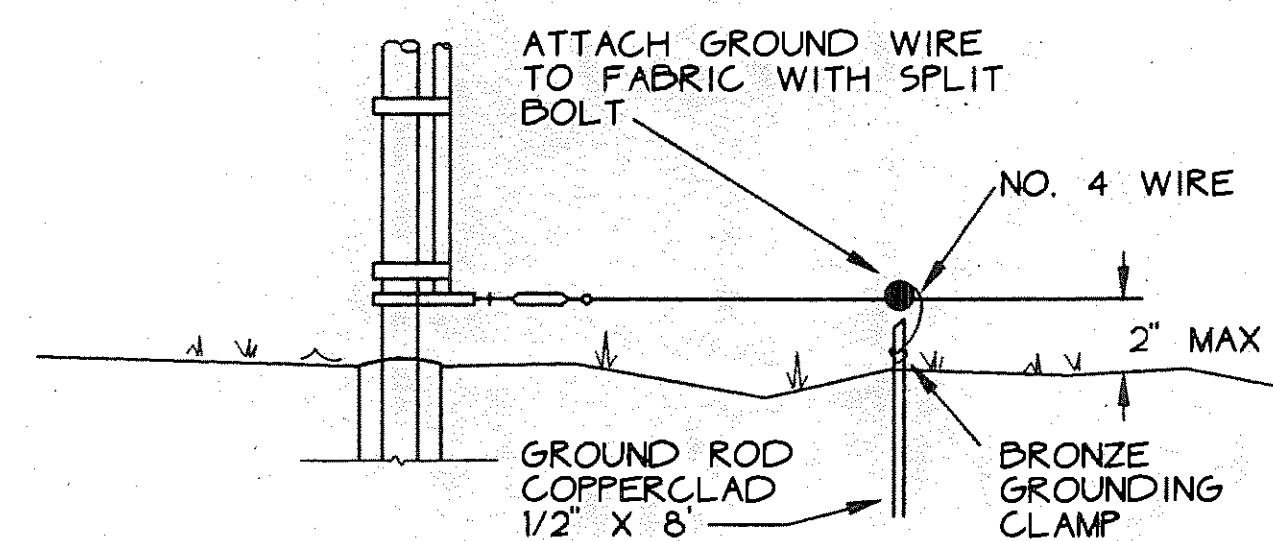
**C**  
**C4** TYPICAL PEDESTRIAN GATE



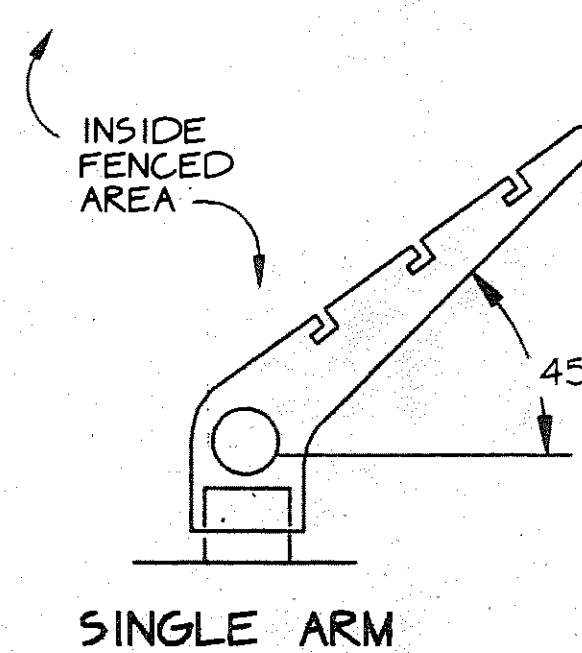
**D**  
**C4** TRUSS ROD ADJUSTORS



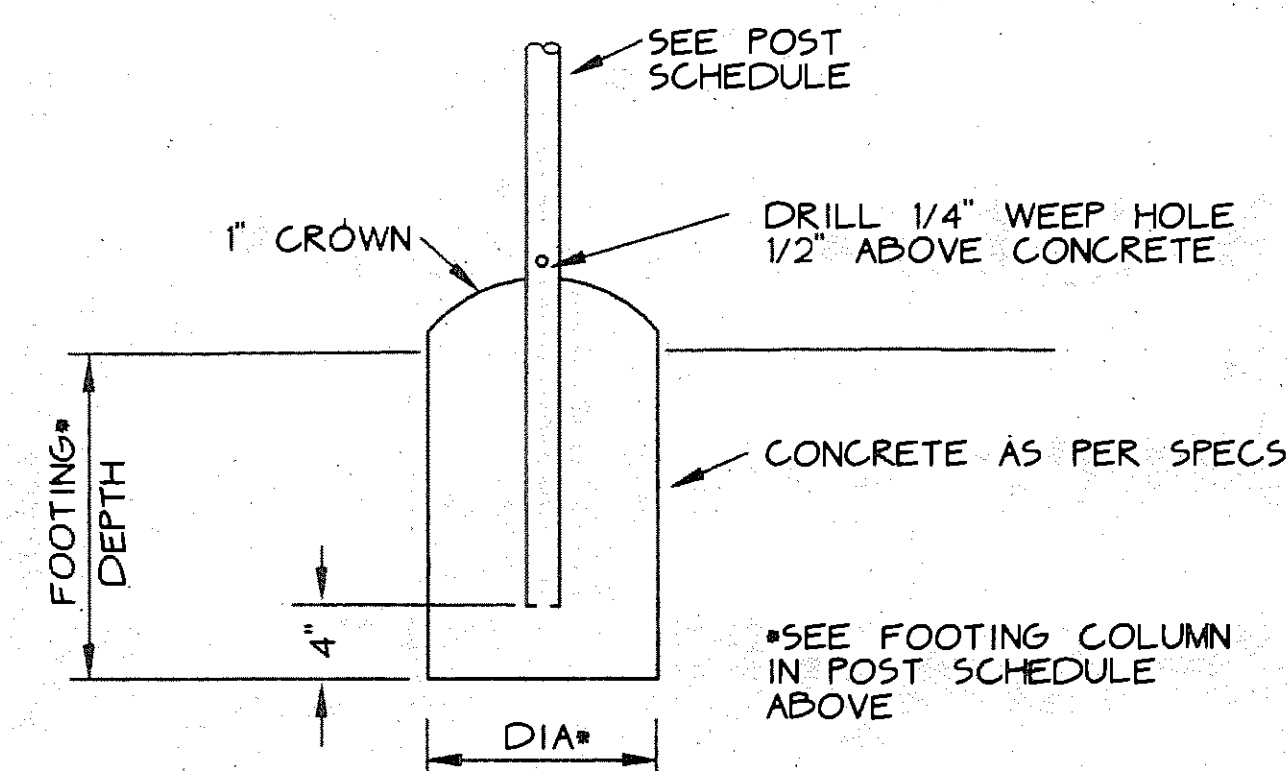
**E**  
**C4** TYPICAL SLIDE GATE



**F**  
**C4** GROUND ROD



**G**  
**C4** BARBED WIRE SUPPORT ARMS



**H**  
**C4** CONCRETE POST SETTING

## GENERAL NOTES

- SEE SPECIFICATIONS FOR SELVAGE TYPE, BARBED WIRE, AND HARDWARE DETAILS.
- DETAILS SHOWN INDICATE GENERAL DESIGN. DIMENSIONS MAY VARY SLIGHTLY AMONG MANUFACTURERS.
- ALL FENCING AND GATE MATERIALS, FABRICATION AND CONSTRUCTION SHALL CONFORM TO AASHTO M 181 EXCEPT AS NOTED ON THIS DRAWING.
- SECTIONS OF FENCE ADJACENT TO ANY GATE CORNER, END OR SUPPORT POST SHALL BE A BRACED SECTION WITH HORIZONTAL BRACE AND DIAGONAL TRUSS ROD. BRACE PULL POSTS ARE SHOWN.

## POST SCHEDULE

| POST TYPE   | NOMINAL DIAMETER | FOOTING DIAMETER | FOOTING DEPTH |
|-------------|------------------|------------------|---------------|
| LINE        | 2"               | 12"              | 40"           |
| CORNER/PULL | 2 1/2"           | 15"              | 48"           |
| SWING GATE  | 3 1/2"           | 18"              | 48"           |
| SLIDE GATE  | 6"               | 20"              | 48"           |

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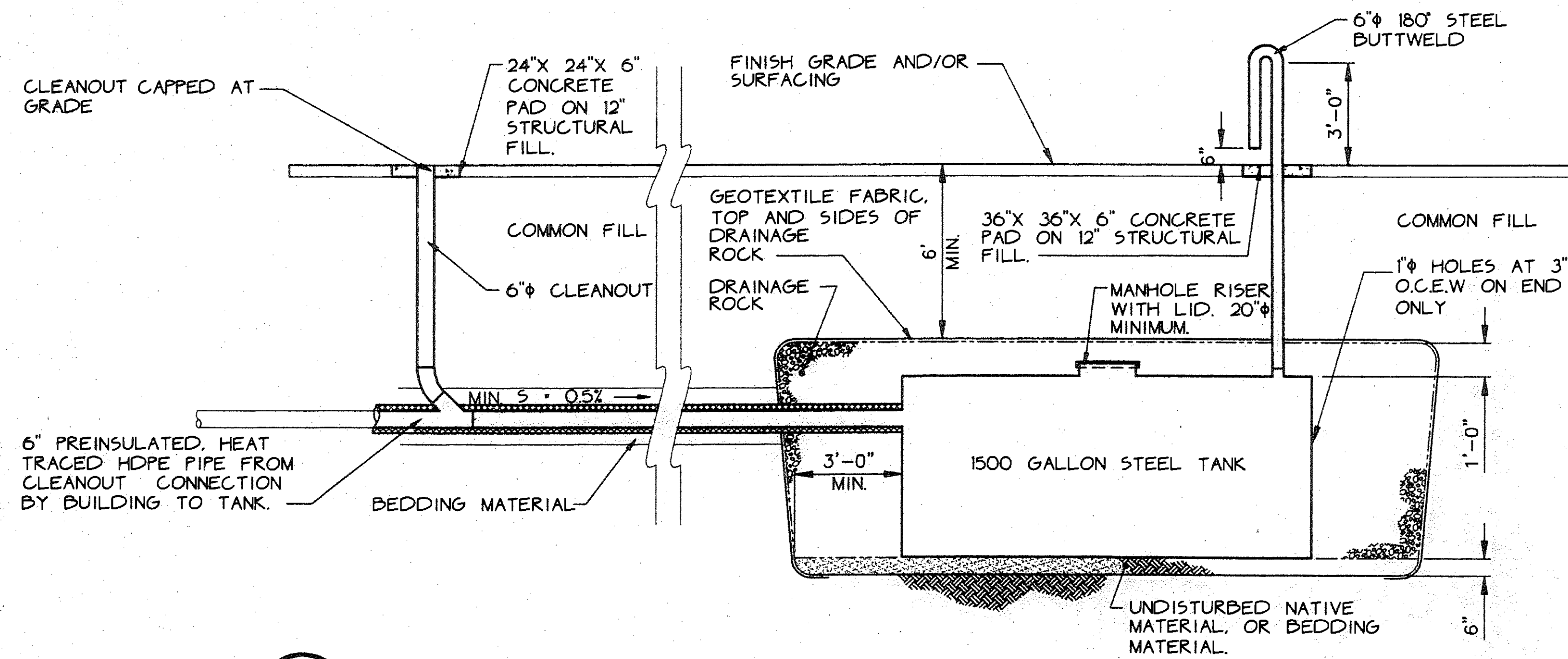
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ENGINEERS

FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
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date: 01/15/97  
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FENCE DETAILS

sheet no.  
**C4**



A  
C5

DRY WELL

N.T.S.

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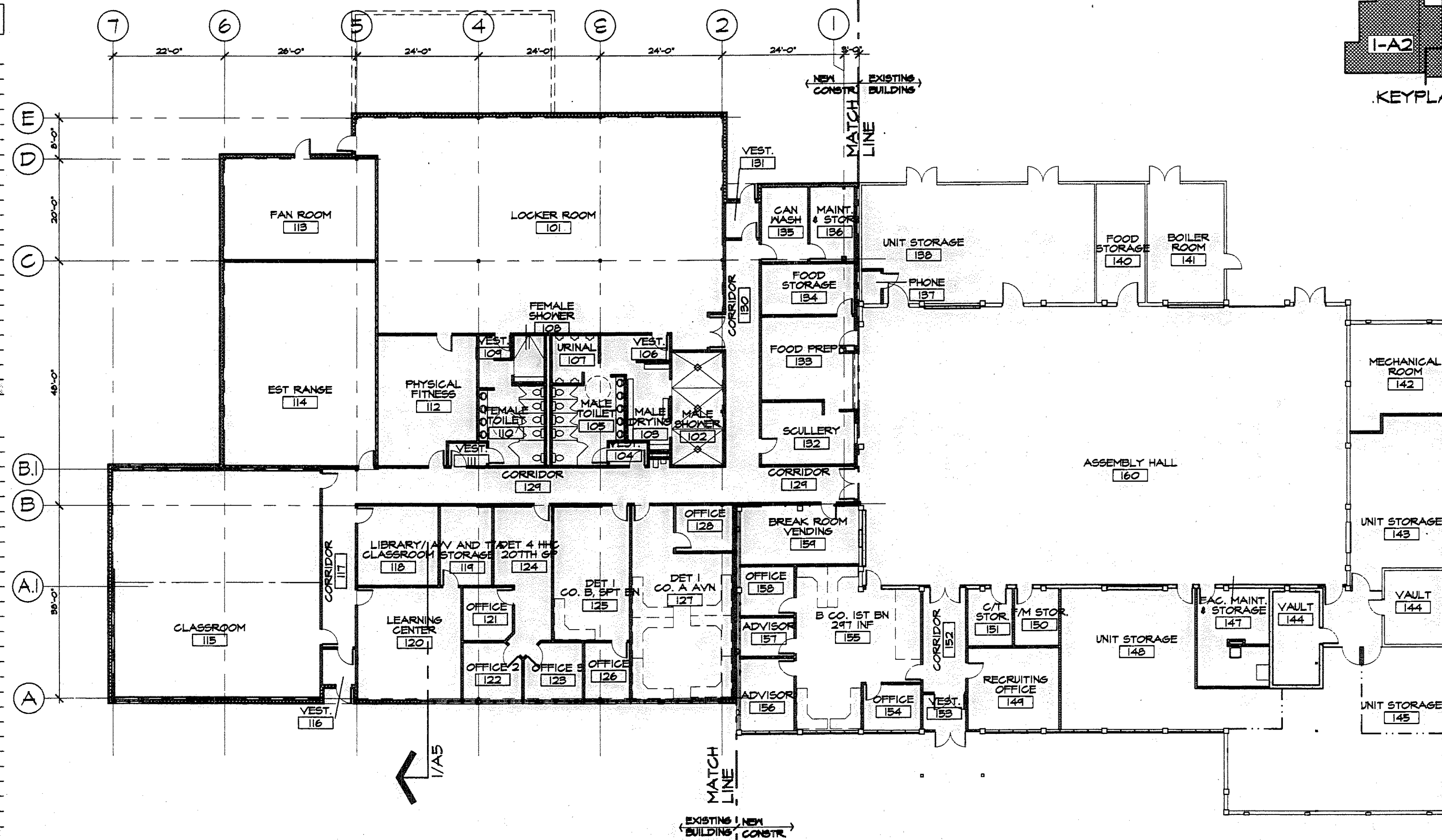
SEWER DETAILS

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C5

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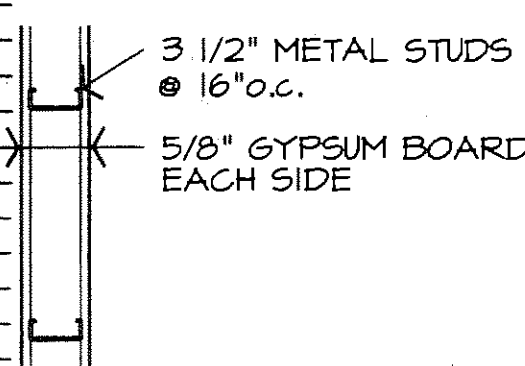
# SPACE ALLOWANCE ANALYSIS

| Space Allowance from 1390/91              | Room No. | Room Name             | Author/2nd 1390/91 | Existing Area | New Area Actual | Over  | Under | % Over | % Under |
|-------------------------------------------|----------|-----------------------|--------------------|---------------|-----------------|-------|-------|--------|---------|
| <b>SCHEDULE I</b>                         |          |                       |                    |               |                 |       |       |        |         |
| Assembly Hall                             | 160      | Assembly Hall         | 5,400              | 5,272         | 5,256           | 144   |       | 2.67   |         |
| Rifle Range                               | 114      | EST Range             | 1,200              |               | 1,199           | 1     |       | 0.08   |         |
| Classroom                                 | 115      | Classroom             | 1,870              | 652           | 1,837           | 33    |       | 1.76   |         |
| Library/Classroom                         | 118      | Library/Classroom     | 250                |               | 250             |       |       |        |         |
| Learning Center                           | 120      | Learning Center       | 450                |               | 453             | 3     |       | 0.67   |         |
| Training Aid Storage                      | 119      | A.V. & T.A. Storage   | 80                 | 41            | 80              |       |       |        |         |
| Kitchen                                   |          |                       | 1,300              | 386           | 931             | 369   |       | 28.38  |         |
|                                           | 132      | Scullery              |                    |               | 213             |       |       |        |         |
|                                           | 133      | Food Prep             |                    |               | 312             |       |       |        |         |
|                                           | 134      | Food Storage          |                    |               | 182             |       |       |        |         |
|                                           | 140      | Food Storage          |                    |               | 224             |       |       |        |         |
| Break Area                                | 159      | Break Room/Vending    | 200                |               | 200             |       |       |        |         |
| Vending Area                              | 159      | Break Room/Vending    | 75                 |               | 75              |       |       |        |         |
| Toilets & Showers                         |          |                       | 1,220              | 433           | 1,173           | 47    |       | 3.85   |         |
|                                           | 102-7    | Male Toilet/Shower    |                    |               | 816             |       |       |        |         |
|                                           | 108-11   | Female Toilet/Shower  |                    |               | 357             |       |       |        |         |
| Flammable Mat. Stor.                      | 150      | Flammable Mat. Stor.  | 100                |               | 100             |       |       |        |         |
| Recruiting Office                         | 149      | Recruiting Office     | 250                | 282           | 289             | 39    |       | 15.60  |         |
| Audio Visual Storage                      | 119      | A.V. & T. A. Storage  | 80                 |               | 80              |       |       |        |         |
| Table & Chair Storage                     | 151      | Table & Chair Stor    | 100                |               | 100             |       |       |        |         |
| Physical Fitness Area                     | 112      | Physical Fitness      | 400                |               | 469             | 69    |       | 17.25  |         |
| Controlled Waste                          |          | Exist. out bldg       | 150                | 162           | 0               |       |       |        |         |
| Subtotal Net Area - Schedule I            |          |                       | 13,125             | 7,227         | 12,492          | 111   | 594   | 4.53   |         |
| <b>SCHEDULE II</b>                        |          |                       |                    |               |                 |       |       |        |         |
| Det 1 Co A Avn                            |          |                       | 750                | 283           | 756             | 6     |       | 0.80   |         |
|                                           | 128      | Office                |                    |               | 103             |       |       |        |         |
|                                           | 127      | Det 1 Co A Avn        |                    |               | 653             |       |       |        |         |
| Det 1 Co B Spt BN                         |          |                       | 500                |               | 499             | 1     |       | 0.20   |         |
|                                           | 125      | Det 1 Co B Spt BN     |                    |               | 399             |       |       |        |         |
|                                           | 126      | Office                |                    |               | 100             |       |       |        |         |
| Det 4 HHC 207th GP                        |          |                       | 450                |               | 622             | 172   |       | 38.22  |         |
|                                           | 121      | Office 1              |                    |               | 101             |       |       |        |         |
|                                           | 122      | Office 2              |                    |               | 125             |       |       |        |         |
|                                           | 123      | Office 3              |                    |               | 125             |       |       |        |         |
|                                           | 124      | Det 4 HHC 207th GP    |                    |               | 271             |       |       |        |         |
| B Co 1st BN                               |          |                       | 700                | 945           | 763             | 63    |       | 9.00   |         |
|                                           | 154      | Office                |                    |               | 102             |       |       |        |         |
|                                           | 155      | B Co 1st BN 297 INF   |                    |               | 559             |       |       |        |         |
|                                           | 158      | Office                |                    |               | 102             |       |       |        |         |
| Army Advisor - Officer                    | 156      | Advisor               | 150                |               | 151             | 1     |       | 0.6    |         |
| Army Advisor - Enlisted                   | 157      | Advisor               | 80                 |               | 80              |       |       |        |         |
| Common Use ADP Printer                    | 155      | B Co 1st BN           | 70                 |               | 70              |       |       |        |         |
| Unit Storage                              |          |                       | 4,000              | 3,073         | 4,120           | 120   |       | 3.00   |         |
|                                           | 138      | Unit Storage          |                    |               | 1,042           |       |       |        |         |
|                                           | 143      | Unit Storage          |                    |               | 579             |       |       |        |         |
|                                           | 144      | Vault                 |                    |               | 171             |       |       |        |         |
|                                           | 145      | Unit Storage          |                    |               | 1,290           |       |       |        |         |
|                                           | 146      | Vault                 |                    |               | 170             |       |       |        |         |
|                                           | 148      | Unit Storage          |                    |               | 668             |       |       |        |         |
| Locker Room Space                         | 101      | Locker Room           | 2,658              |               | 2,942           | 285   |       | 10.71  |         |
| Unit Level Maint. Tng                     | 100      | Unit Level Maint. Tng | 800                |               | 753             | 47    |       | 5.88   |         |
| Subtotal Net Area - Schedule II           |          |                       | 10,158             | 4,301         | 10,756          | 647   | 48    | 5.69   |         |
| Total Net Area - Schedule I & II          |          |                       | 23,283             | 11,528        | 23,248          | 35    |       | 0.15   |         |
| <b>Facility Maint. &amp; Storage (2%)</b> |          |                       |                    |               |                 |       |       |        |         |
|                                           | 136      | Fac. Maint. & Stor    | 466                | 151           | 407             | 59    |       | 12.60  |         |
|                                           | 147      | Fac. Maint. & Stor    |                    |               | 268             |       |       |        |         |
| <b>Mech/Elec/Tele Equip Room (5%)</b>     |          |                       |                    |               |                 |       |       |        |         |
|                                           | 113      | Fan Room              | 1,164              | 718           | 1,352           | 188   |       | 16.14  |         |
|                                           | 137      | Phone                 |                    |               | 25              |       |       |        |         |
|                                           | 141      | Boiler Room           |                    |               | 354             |       |       |        |         |
|                                           | 142      | Mechanical Room       |                    |               | 371             |       |       |        |         |
| Subtotal                                  |          |                       | 24,912             | 12,397        | 25,007          | 95    |       | 0.38   |         |
| <b>Circulation (15%)</b>                  |          |                       |                    |               |                 |       |       |        |         |
|                                           | 116      | Vestibule             | 3,737              | 337           | 1,694           | 2,043 |       | 54.67  |         |
|                                           | 117      | Corridor              |                    |               | 46              |       |       |        |         |
|                                           | 129      | Corridor              |                    |               | 207             |       |       |        |         |
|                                           | 130      | Corridor              |                    |               | 738             |       |       |        |         |
|                                           | 131      | Vestibule             |                    |               | 319             |       |       |        |         |
|                                           | 152      | Corridor              |                    |               | 47              |       |       |        |         |
|                                           | 153      | Vestibule             |                    |               | 178             |       |       |        |         |
| Subtotal                                  |          |                       | 28,649             | 12,734        | 26,701          | 1,948 |       | 6.80   |         |
| Walls (10%)                               |          |                       | 2,865              |               | 1,521           | 1,344 |       | 46.91  |         |
| Grand Total (Gross Area)                  |          |                       | 31,514             |               | 28,222          | 3,292 |       | 10.45  |         |

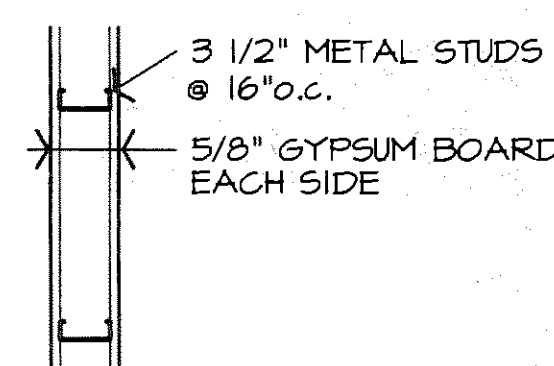


**OVERALL FLOOR PLAN**  
1/16" = 1'-0"

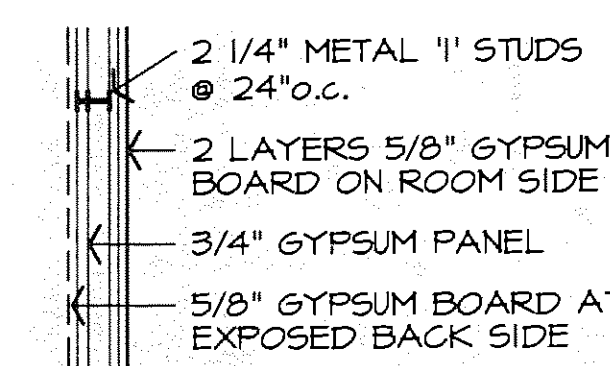
**PLAN NORTH**



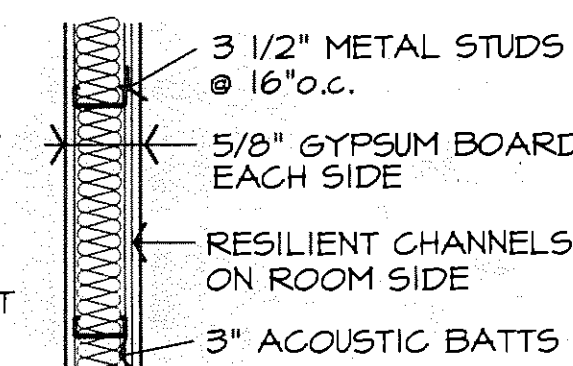
**A NON-RATED WALL**



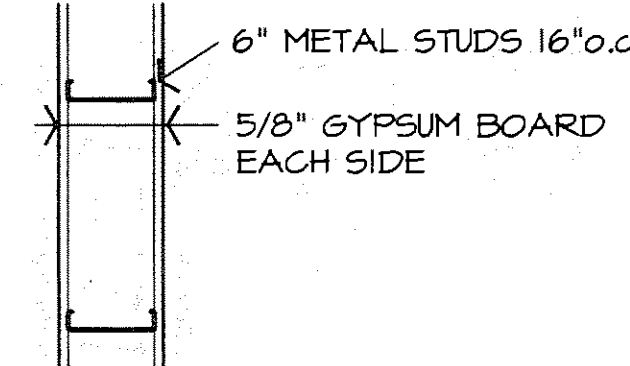
**B 1 HOUR RATED WALL**



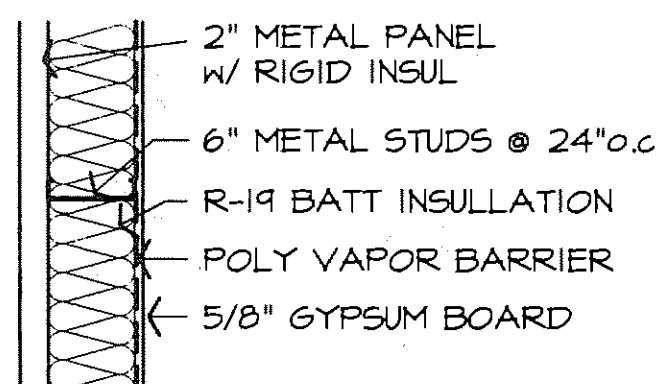
**B2 2 HOUR RATED WALL**  
GYPSUM ASSOCIATION FILE NO. WP 7055 OR EQUIVALENT



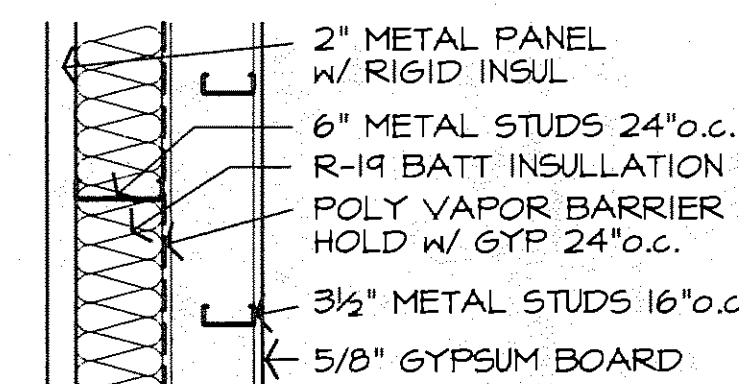
**C SOUND WALL**  
1 HOUR @ CORRIDOR



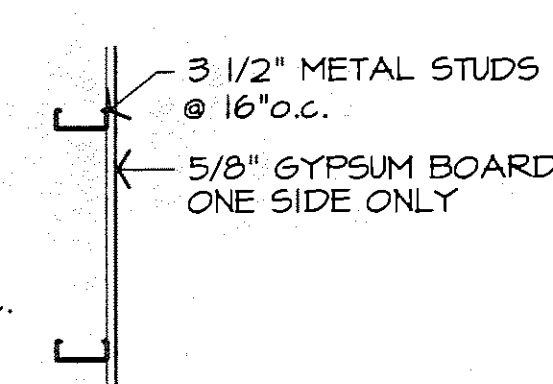
**D 1 HOUR 6" WALL**



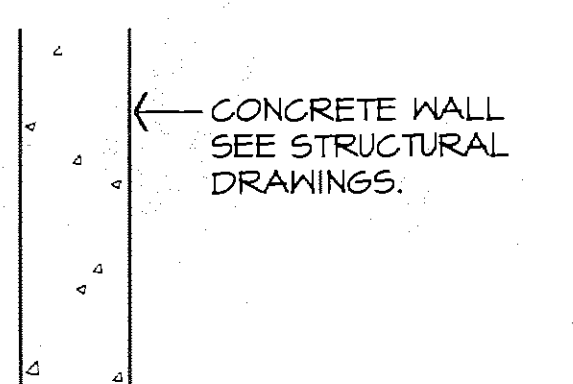
**E EXTERIOR WALL**



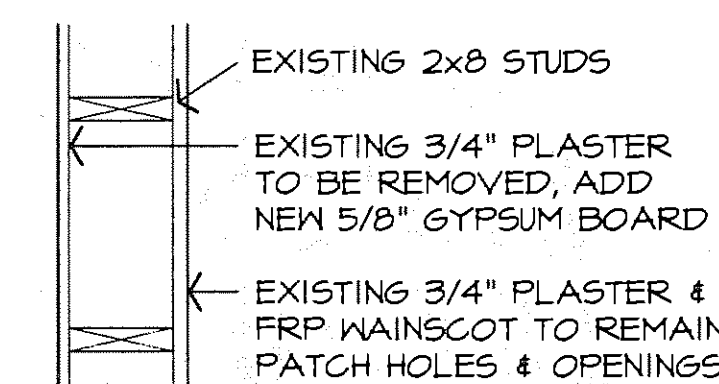
**F EXTERIOR WALL @ BRACE FRAME**



**G NON-RATED WALL**



**H CONCRETE WALL**



**J 1 HOUR 8" WALL**

SEE ROOM FINISH SCHEDULE FOR WALL FINISHES & ADDITIONAL MATERIALS

## SYMBOLS

- (A) WINDOW TYPE
- (B) WALL TYPE
- (C) SECTION-CUT LINE
- (D) ELEVATION VIEW

- DOOR TYPE (A) DOOR WIDTH (B) DOOR SYMBOL
- FRAME TYPE (C) HARDWARE GROUP

## WALLS

- WALLS TO BE DEMOLISHED
- ===== EXISTING WALLS
- ===== NEW EXTERIOR WALLS
- ===== NEW INTERIOR WALLS
- ===== NEW 1-HOUR RATED WALLS
- ===== NEW 2-HOUR RATED AREA SEPARATION WALLS
- ===== NEW SOUND WALLS
- ===== NEW CONCRETE WALLS

**3 WALL TYPES**  
NO SCALE

**2 LEGEND**  
NO SCALE

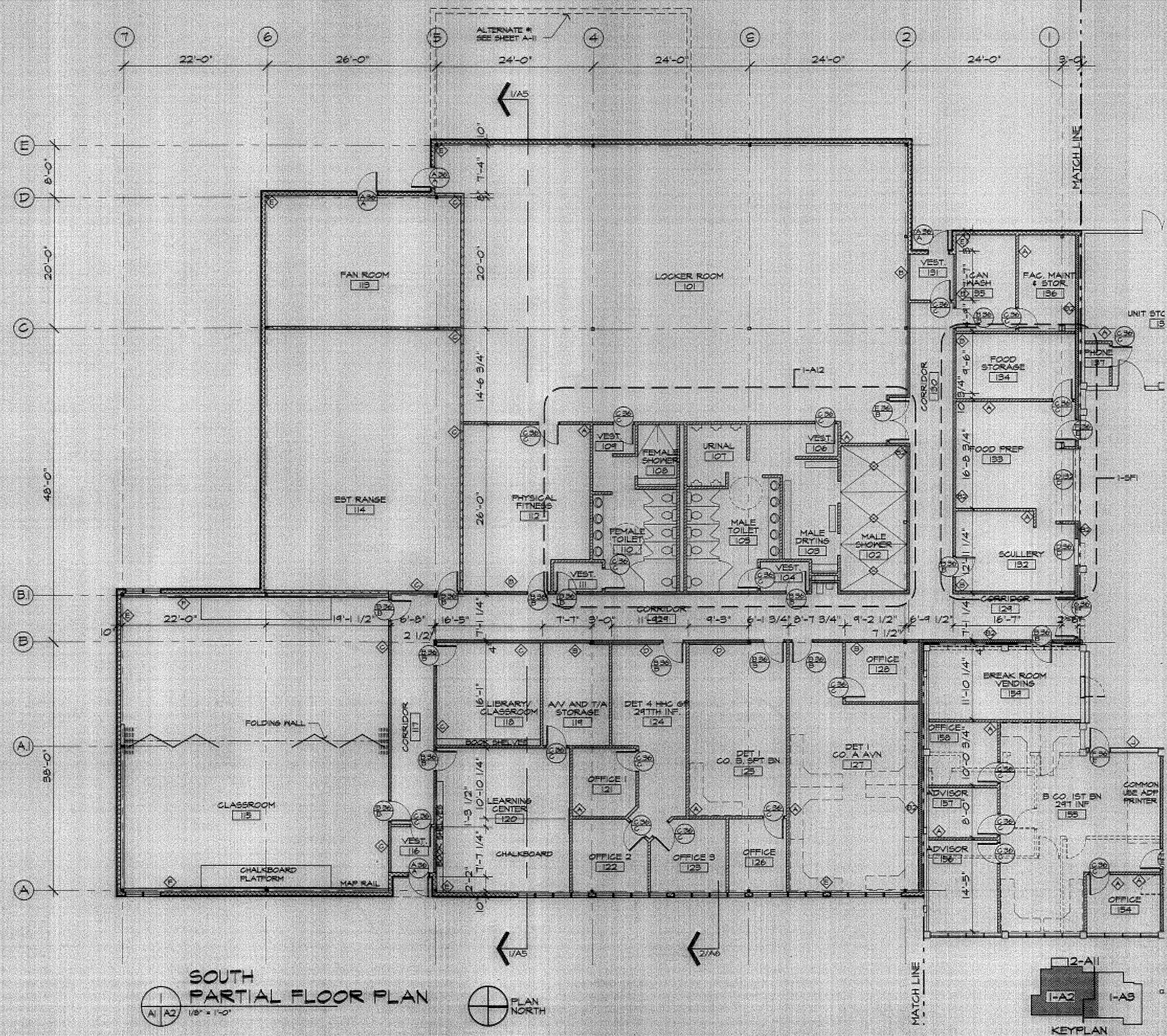
Lofus Engineering Associates, Inc.  
project management • structural engineering  
SUBCONSULTANTS:  
JANTZ ASSOCIATES, INC.  
FAX (907) 486-2303  
1000 W. 10TH AVENUE, SUITE 200  
FAIRBANKS, ALASKA 99701  
PROJECT MANAGEMENT

FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

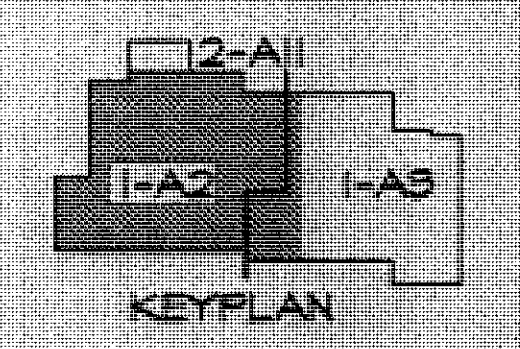
date: 01/15/97  
drawn: TEM  
designed: MDJ  
checked: MDJ  
revised:

OVERALL FLOOR PLAN  
WALL TYPES, LEGEND

sheet no.  
A1



**SOUTH  
PARTIAL FLOOR PLAN**  
1/8" = 1'-0"  
PLAN NORTH



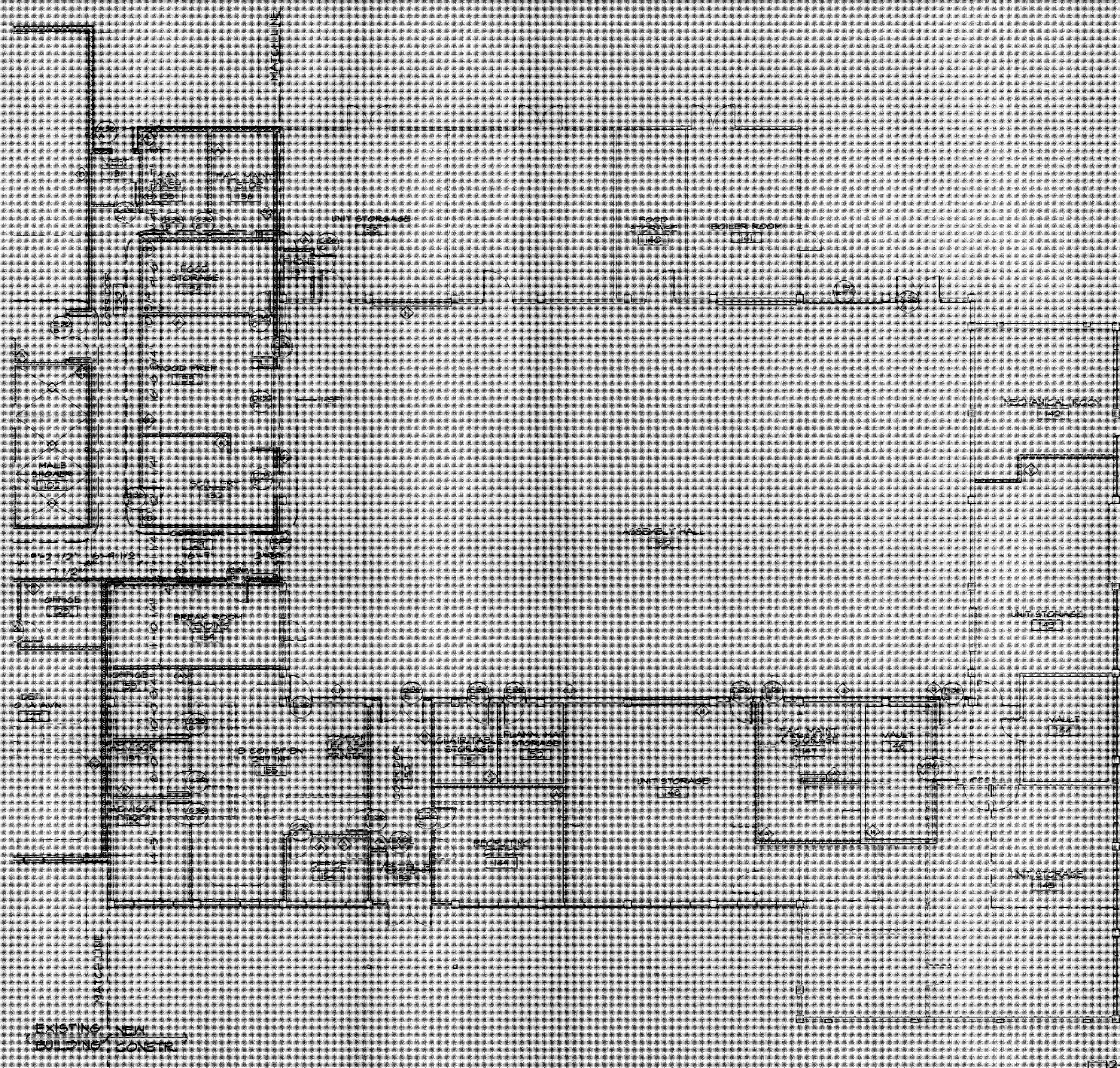
Loftus Engineering Associates, Inc.  
project management • structural engineering  
JANTZ ASSOCIATES  
ARCHITECTS  
1000 UNIVERSITY AVENUE, SUITE 200  
FAIRBANKS, ALASKA 99701  
PHONE: (907) 452-1234  
FAX: (907) 452-1235

**FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892**

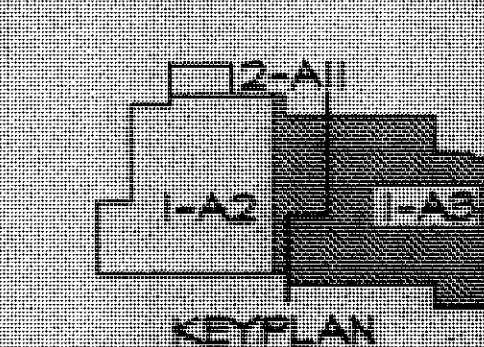
date: 01/15/97  
drawn: TEM  
designed: MDJ  
checked: MDJ  
revised:

**PARTIAL FLOOR PLAN - SOUTH**

sheet no.  
**A2**



NORTH  
PARTIAL FLOOR PLAN  
1/8" = 1'-0"



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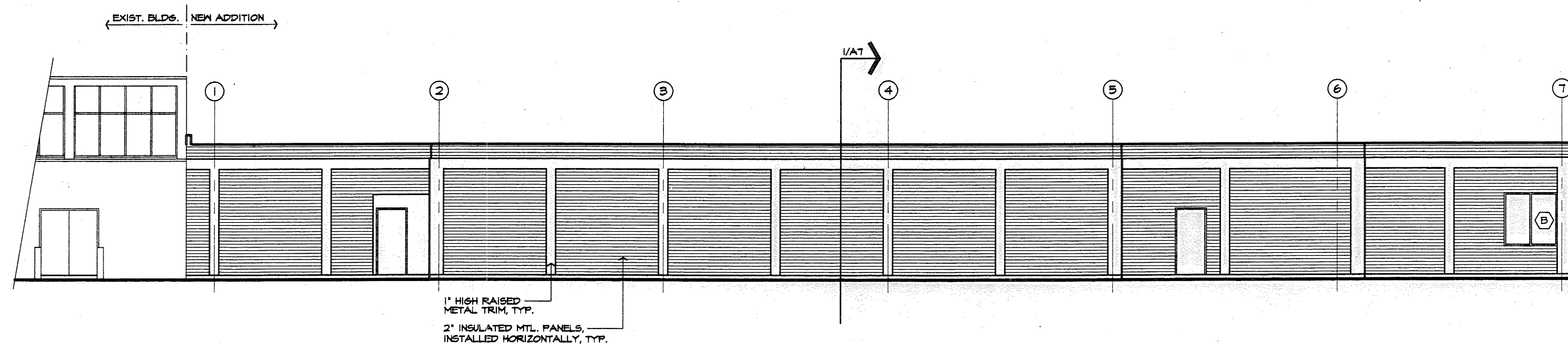
**JANTZ ASSOCIATES**  
ARCHITECTS • INTERIORS • LANDSCAPE ARCHITECTS

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DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892**

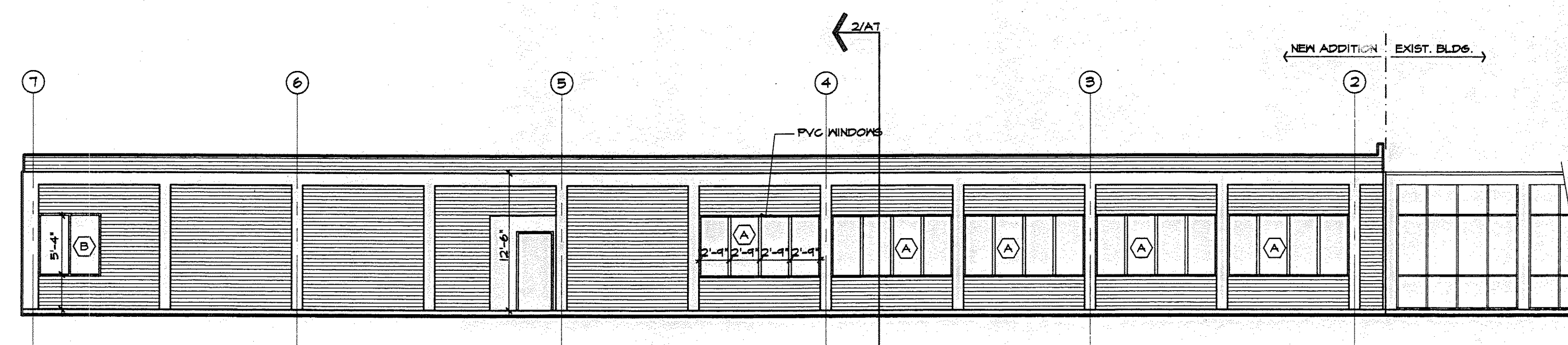
date: 01/15/97  
drawn: TEM  
designed: MDJ  
checked: MDJ  
revised:

**PARTIAL FLOOR PLAN - NORTH**

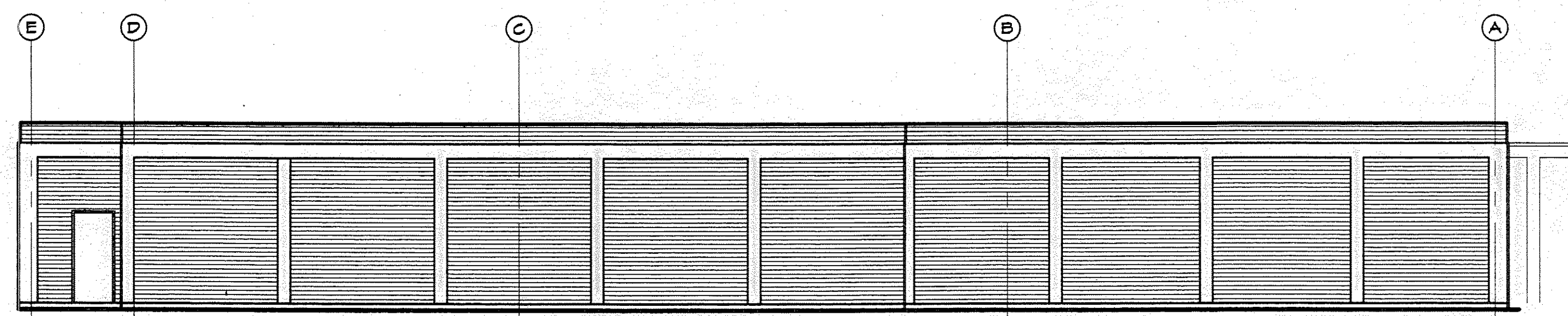
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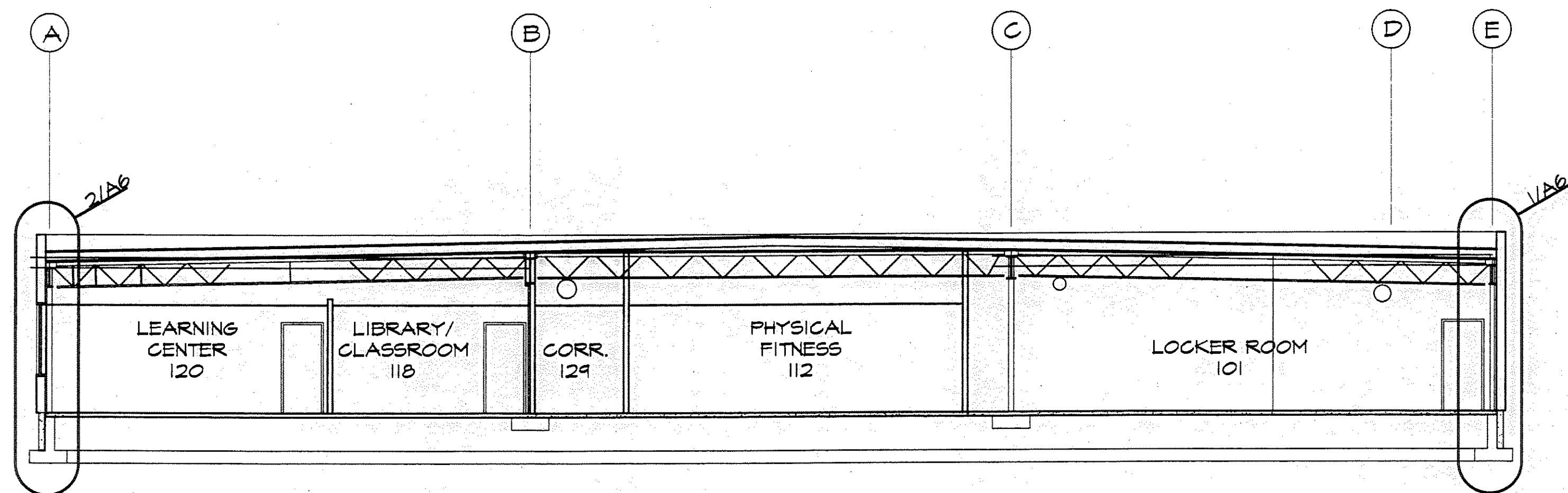
WEST ELEVATION  
A2/A4 1/8" = 1'-0"



2 EAST ELEVATION  
A2/A4 1/8" = 1'-0"



3 SOUTH ELEVATION  
A2/A4 1/8" = 1'-0"




**BUILDING SECTION**  
 1/8" = 1'-0"


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SUBCONSULTANTS:  
**JANTZ ASSOCIATES** P.A.  
1000 UNIVERSITY DRIVE, SUITE 200  
 FAIRBANKS, ALASKA 99701  
 ARCHITECT  
 PROJECT MANAGEMENT

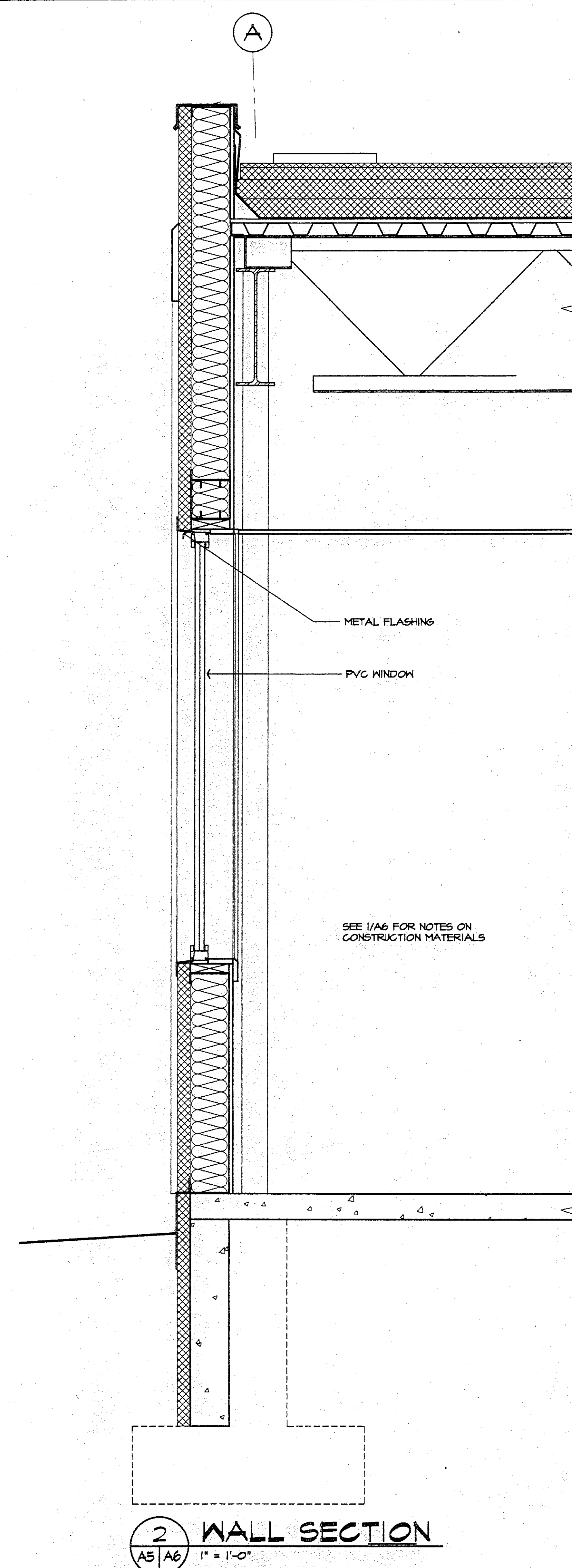
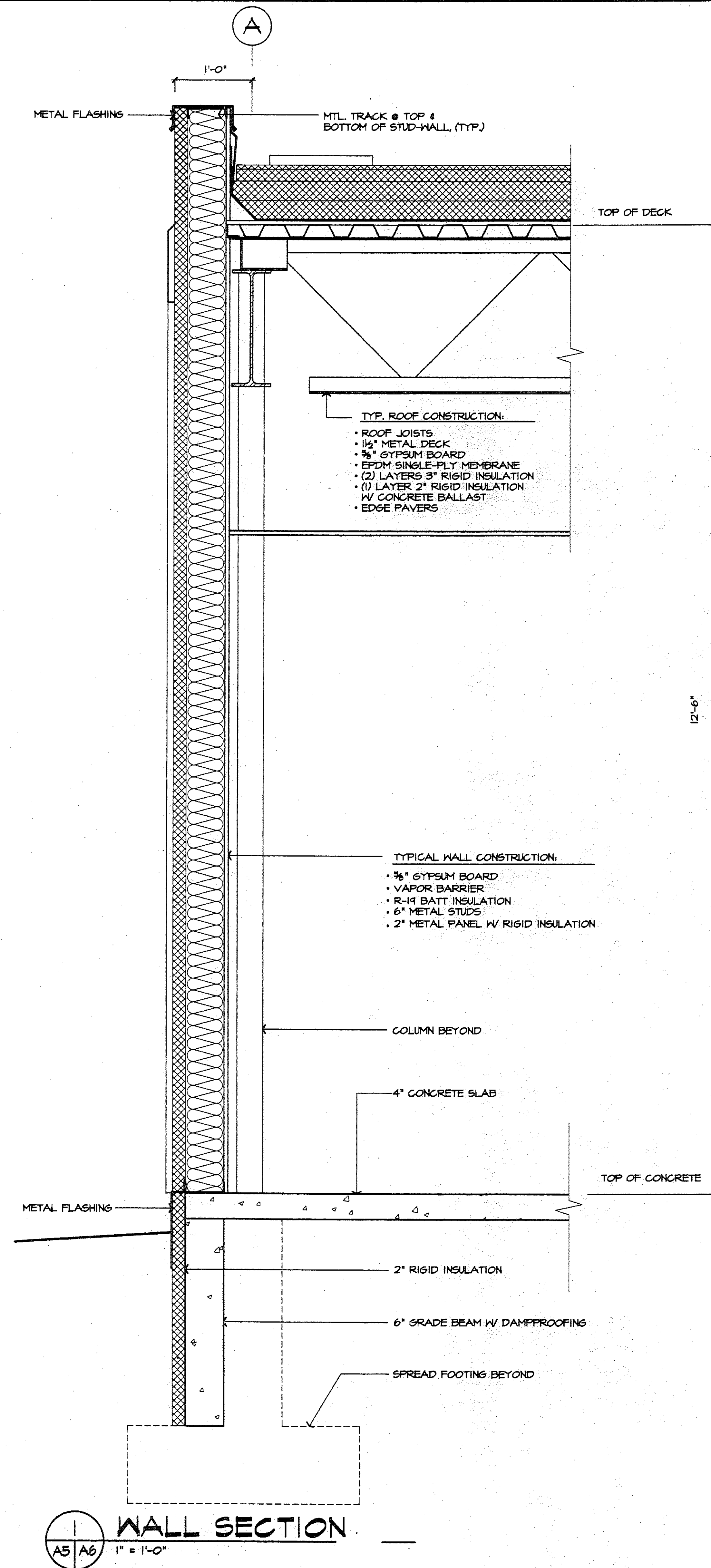
FAIRBANKS READINESS CENTER  
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 drawn: TEM  
 designed: MDJ  
 checked: MDJ  
 revised:

**BUILDING SECTION**

sheet no.

A5



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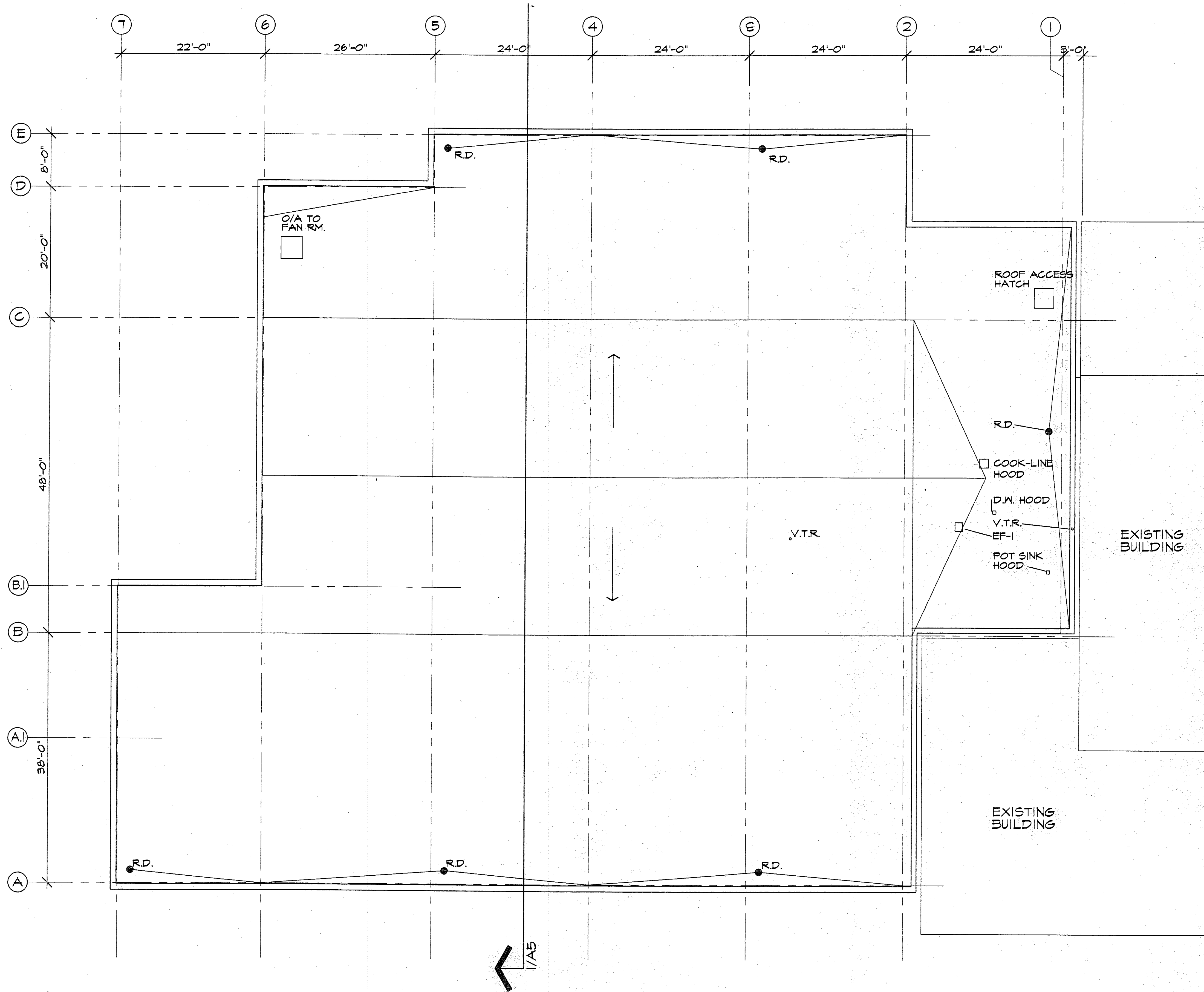
SUBCONSULTANTS:  
JANTZ ASSOCIATES, INC.  
1000 NORTH ALABAMA STREET  
BIRMINGHAM, ALABAMA 35202  
PROJECT MANAGEMENT

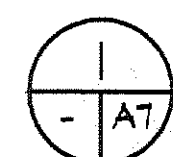
FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: TEM RCF  
designed:  
checked:  
revised:

WALL SECTIONS

sheet no.  
A6




**ROOF PLAN**  
 1/8" = 1'-0"

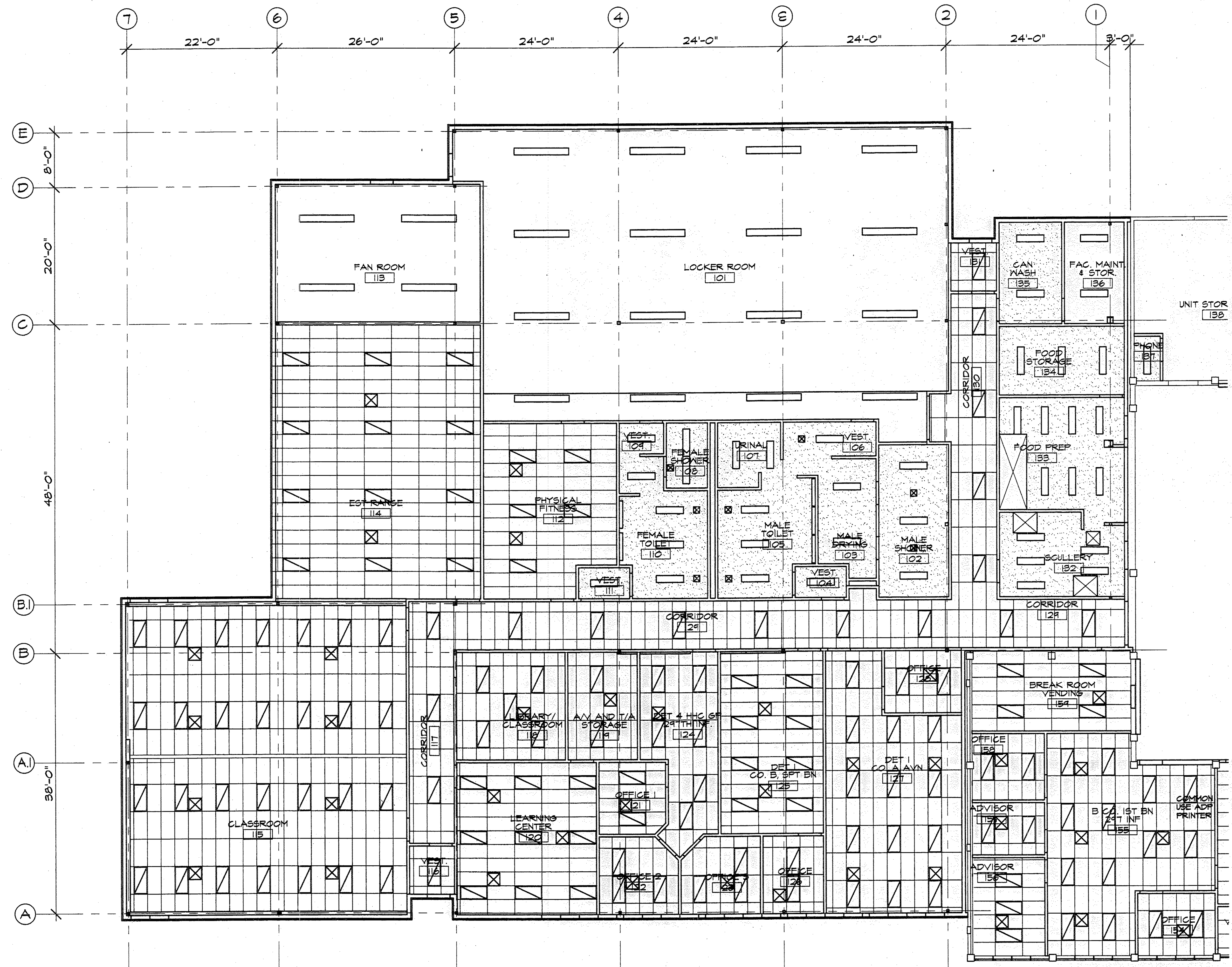
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 SUBCONSULTANTS:  
**JANTZ ASSOCIATES**  
 1000 COMMERCIAL STREET, SUITE 100  
 FAIRBANKS, ALASKA 99701  
 PROJECT MANAGEMENT

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 DMVA/FMO PROJECT No. 020022  
 DOT/PF PROJECT No. 65892

date: 01/15/97  
 drawn: TEM  
 designed:  
 checked:  
 revised:

**ROOF PLAN**

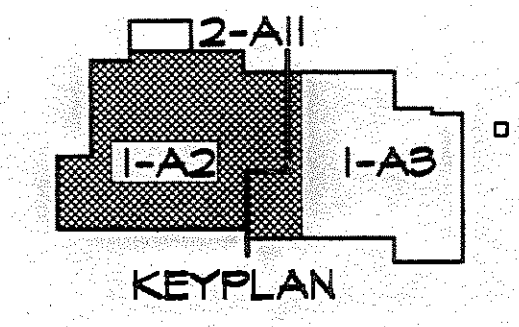
sheet no.  
**A7**



**SOUTH PARTIAL  
REFLECTED CEILING PLAN**

1/8" = 1'-0"

PLAN NORTH



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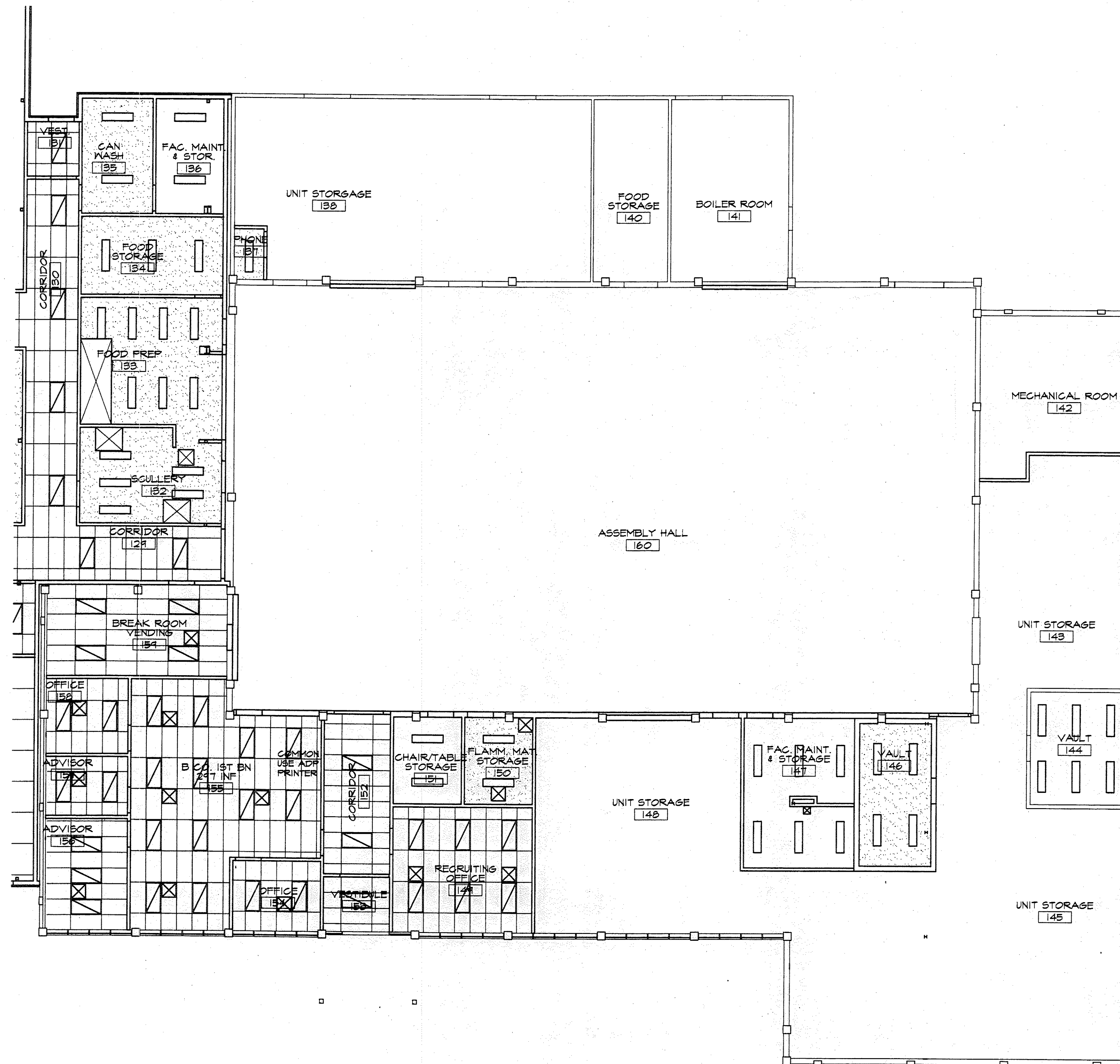
**JANTZ ASSOCIATES, P.A.**  
SUBCONSULTANTS:  
1935 COLUMBIA STREET, SUITE 200  
FAIRBANKS, ALASKA 99701  
PROJECT ARCHITECT

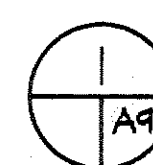
**FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892**

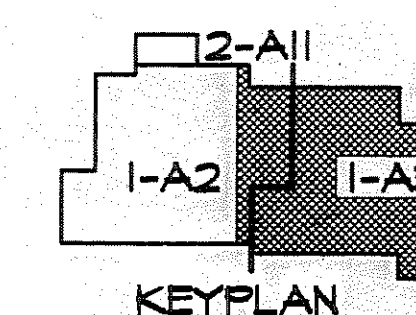
date: 01/15/97  
drawn: TEM  
designed: MDJ  
checked: MDJ  
revised:

**SOUTH PARTIAL  
REFLECTED CEILING PLAN**

sheet no.  
**A8**




**NORTH PARTIAL  
REFLECTED CEILING PLAN**  
 1/8" = 1'-0"



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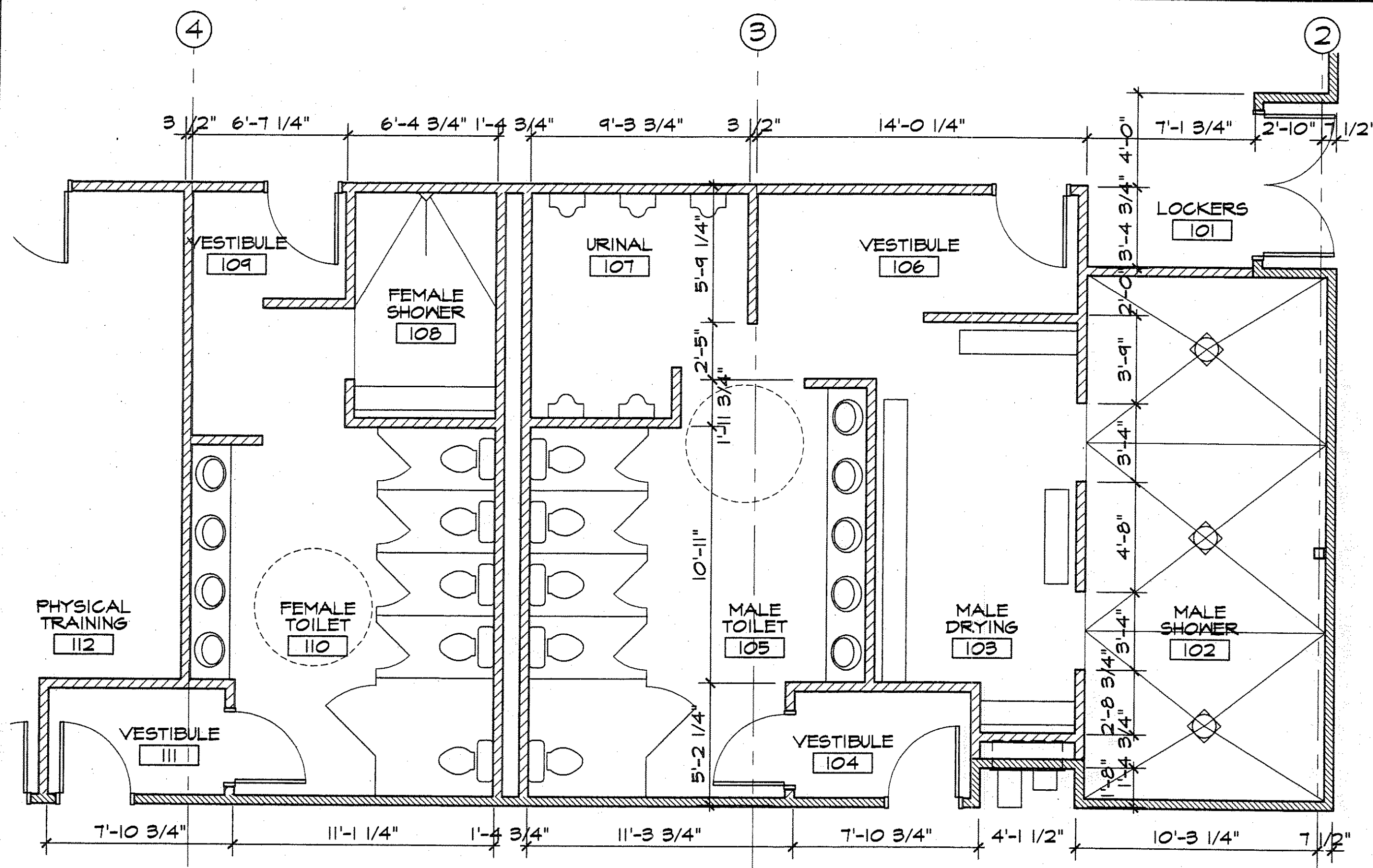
SUBCONSULTANTS:  
**JANTZ ASSOCIATES**  
 1000 W. 10TH AVE. SUITE 200  
 ANCHORAGE, ALASKA 99501  
 PHONE: (907) 588-2553  
 FAX: (907) 588-2553  
 PROJECT MANAGER: JANTZ

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 DMVA/FMO PROJECT No. 020022  
 DOT/PF PROJECT No. 65892**

date: 01/15/97  
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 designed: MDJ  
 checked: MDJ  
 revised:

**NORTH PARTIAL  
REFLECTED CEILING PLAN**

sheet no.  
**A9**



PLAN DETAIL  
A3/A12 1/4" = 1'-0"

WINDOW SCHEDULE  
A5/A12 1/4" = 1'-0"

DOOR & FRAME SCHEDULE  
A12 1/4" = 1'-0"

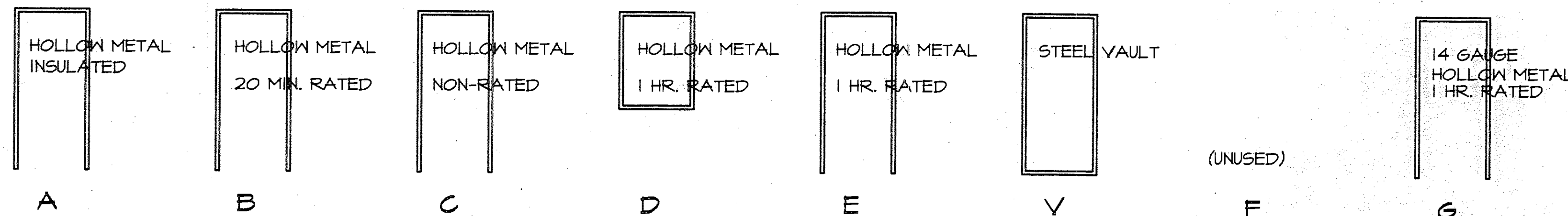
#### NOTES:

ALL DOORS 7'-0" HIGH, EXCEPT WHERE NOTED OTHERWISE.  
DOOR WIDTHS ARE INDICATED IN DOOR SYMBOL.

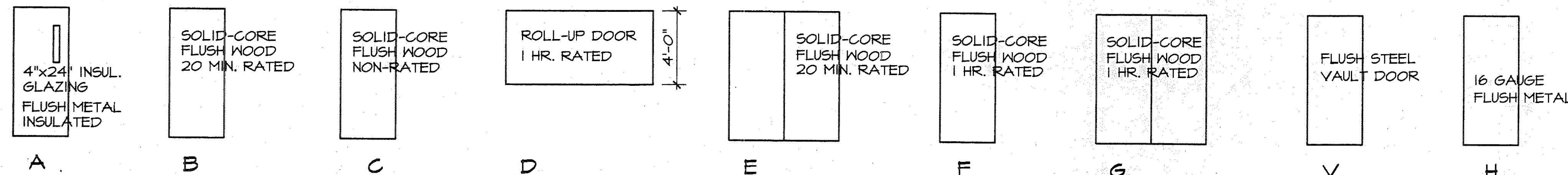
#### DOOR SYMBOL KEY

DOOR TYPE  
SEE BELOW  
FRAME TYPE  
SEE BELOW  
DOOR WIDTH, IN INCHES  
HARDWARE GROUP  
SEE SPECS

#### FRAME TYPES



#### DOOR TYPES



## ROOM FINISH SCHEDULE

| ROOM NO. | ROOM NAME                 | WALLS                                | FLOOR        | BASE         | CEILING             | CEILING HEIGHT | REMARKS                             |
|----------|---------------------------|--------------------------------------|--------------|--------------|---------------------|----------------|-------------------------------------|
| 100      | Unit Level Maint.         | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 11'-6"         |                                     |
| 101      | Locker Room               | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 11'-6"         |                                     |
| 102      | Male Showers              | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 103      | Male Drying               | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 104      | Vestibule                 | Painted Gyp. Bd.                     | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 105      | Male Toilet               | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 106      | Vestibule                 | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 107      | Urinal                    | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 108      | Female Shower             | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 109      | Vestibule                 | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 110      | Female Toilet             | Ceramic Tile                         | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 111      | Vestibule                 | Painted Gyp. Bd.                     | Ceramic Tile | Ceramic Tile | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 112      | Physical Fitness          | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 113      | Fan Room                  | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 11'-6"         |                                     |
| 114      | EST Range                 | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Lay-in Tile         | 8'-0"          | Walls & ceiling to be flat black    |
| 115      | Classroom                 | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 116      | Vestibule                 | Painted Gyp. Bd.                     | Brush Mat    | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 117      | Corridor                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 118      | Library/Classroom         | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 119      | AV & T/A Storage          | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 120      | Learning Center           | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 121      | Office 1                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 122      | Office 2                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 123      | Office 3                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 124      | Det 4 HHC GP 297th        | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 125      | Det 1 Co B SFT BN         | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 126      | Office                    | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 127      | Det 1 Co A AVN            | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 128      | Office                    | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 129      | Corridor                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 130      | Corridor                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 131      | Vestibule                 | Painted Gyp. Bd.                     | Brush Mat    | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 132      | Sculptory                 | Painted Gyp. Bd.                     | Quarry Tile  | 6" QT        | Painted Gyp. Bd.    | 8'-0"          | Use epoxy paint                     |
| 133      | Food Prep                 | Painted Gyp. Bd.                     | Quarry Tile  | 6" QT        | Painted Gyp. Bd.    | 8'-0"          | Use epoxy paint                     |
| 134      | Food Storage              | Painted Gyp. Bd.                     | Quarry Tile  | 6" QT        | Painted Gyp. Bd.    | 8'-0"          | Use epoxy paint                     |
| 135      | Can Wash                  | Painted Gyp. Bd.                     | Quarry Tile  | 6" QT        | Painted Gyp. Bd.    | 8'-0"          | Use epoxy paint                     |
| 136      | Facility Maint. & Storage | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 11'-6"         |                                     |
| 137      | Phone                     | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Painted Gyp. Bd.    | 8'-0"          |                                     |
| 138      | Unit Storage              | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 8'-0"          |                                     |
| 139      | Not Used                  |                                      |              |              |                     |                |                                     |
| 140      | Food Storage              | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint |                |                                     |
| 141      | Boiler Room               | Existing surfaces - no work expected |              |              |                     |                |                                     |
| 142      | Mechanical Room           | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint |                |                                     |
| 143      | Unit Storage              | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 10'-6"         |                                     |
| 144      | Vault                     | Concrete                             | Concrete     | Concrete     | Concrete            | 8'-0"          |                                     |
| 145      | Unit Storage              | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 10'-6"         |                                     |
| 146      | Vault                     | Concrete                             | Concrete     | Concrete     | Concrete            | 8'-0"          |                                     |
| 147      | Facility Maint. & Storage | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 10'-6"         |                                     |
| 148      | Unit Storage              | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 10'-6"         |                                     |
| 149      | Recruiting Office         | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 150      | Flammable Material Stor   | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Painted Gyp. Bd.    | 8'-0"          | One-hour walls & ceiling            |
| 151      | Chair/Table Storage       | Painted Gyp. Bd.                     | Concrete     | 4" Rubber    | Expt'd Struct/Paint | 10'-6"         |                                     |
| 152      | Corridor                  | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 153      | Vestibule                 | Painted Gyp. Bd.                     | Brush Mat    | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 154      | Office                    | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 155      | B Co 1st BN 297 INF       | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 156      | Advisor                   | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 157      | Advisor                   | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 158      | Office                    | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 159      | Break Room/Vending        | Painted Gyp. Bd.                     | Carpet       | 4" Rubber    | Lay-in Tile         | 8'-0"          |                                     |
| 160      | Assembly Hall             | Existing                             | Exist. Conc. | --           | Existing            | --             | See Det 01/A5 for work @ south wall |

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SUBCONSULTANTS:  
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ARCHITECTURAL  
PROJECT NO. 020022

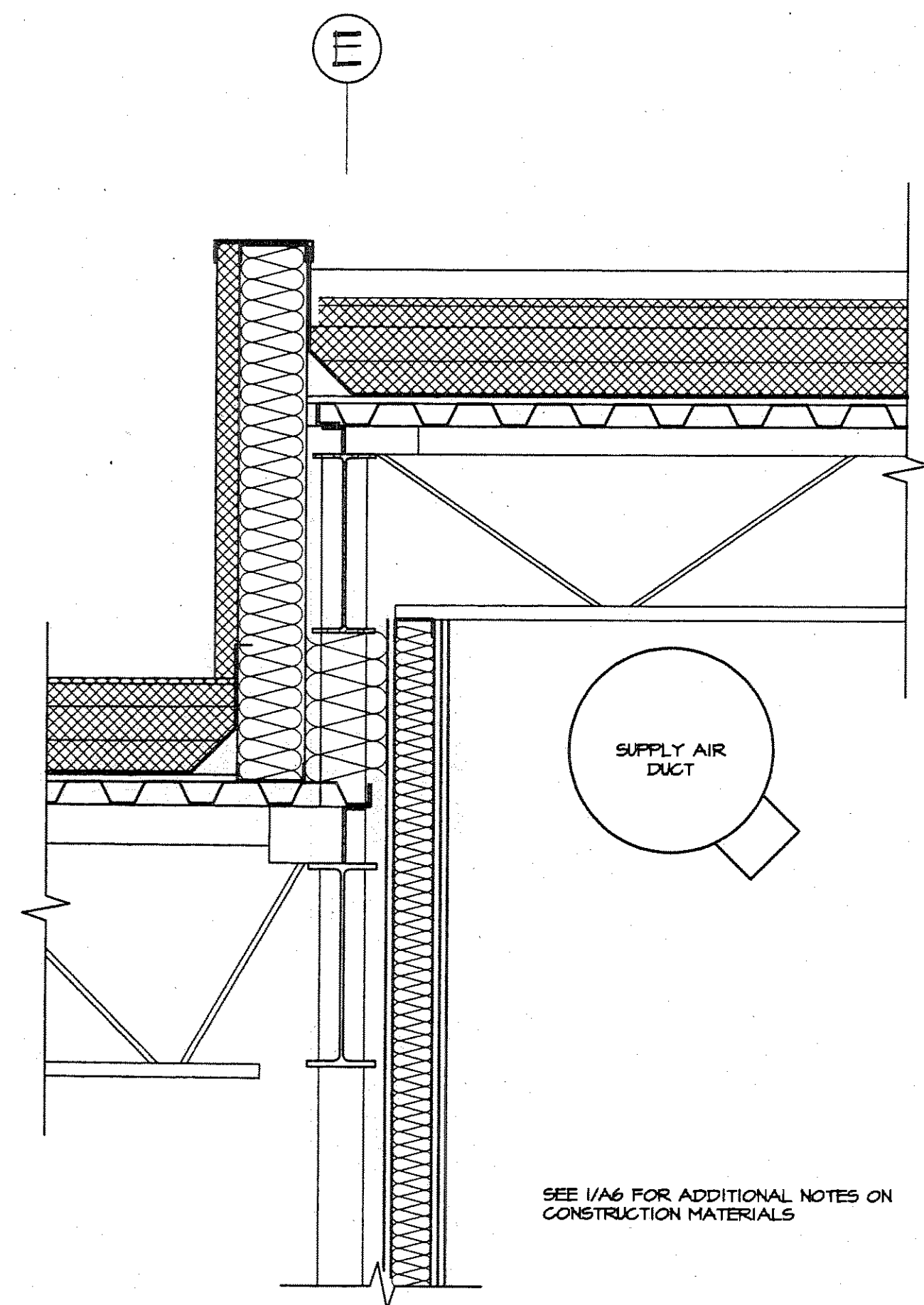
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DOT/PF PROJECT No. 65892

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designed: MDJ  
checked: MDJ  
revised:

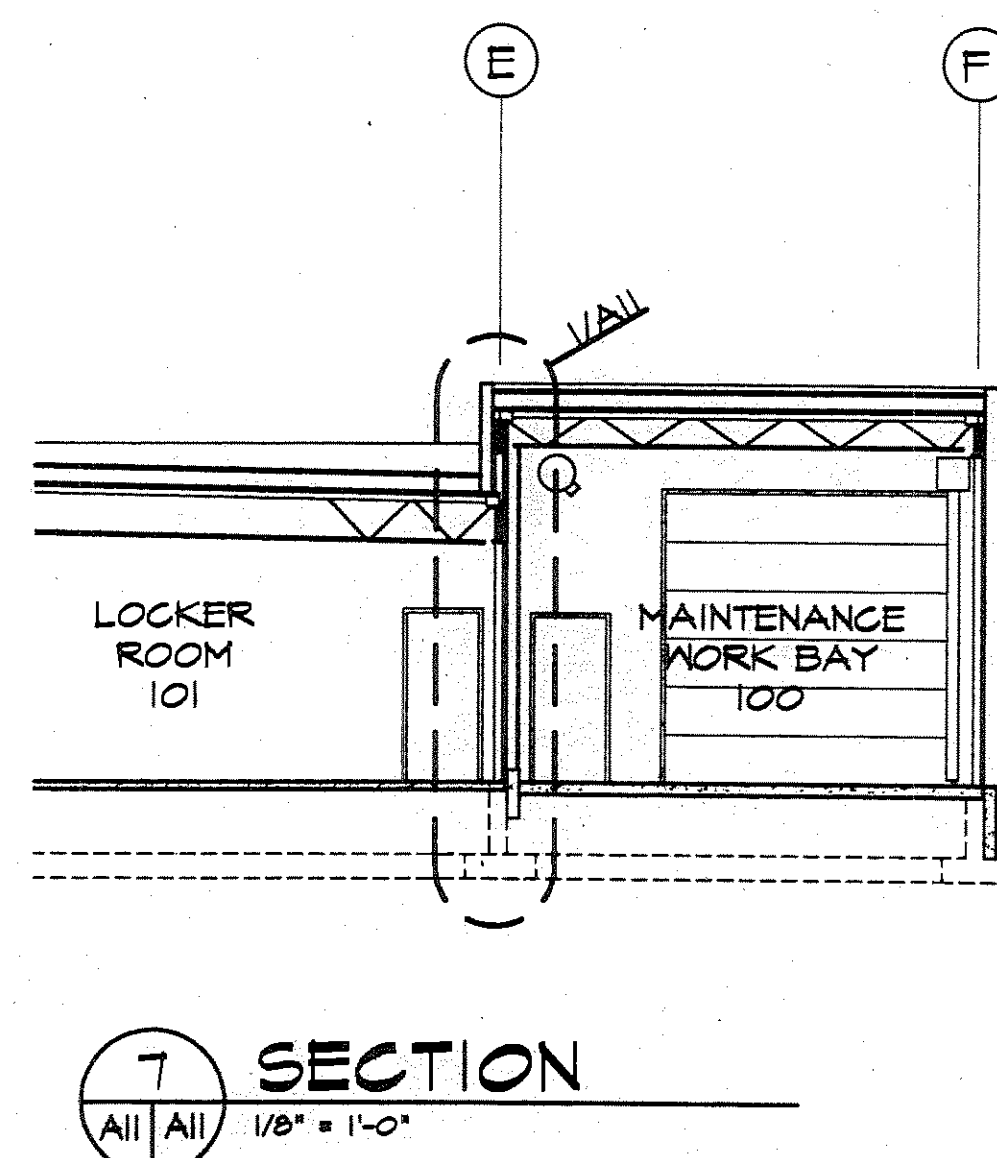
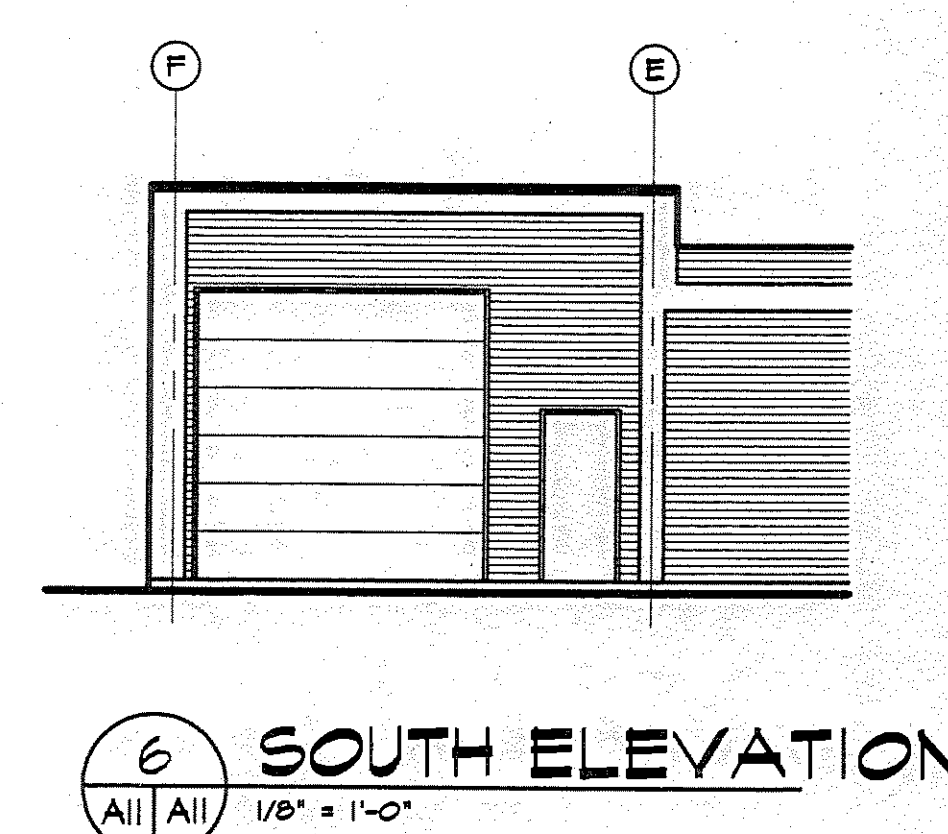
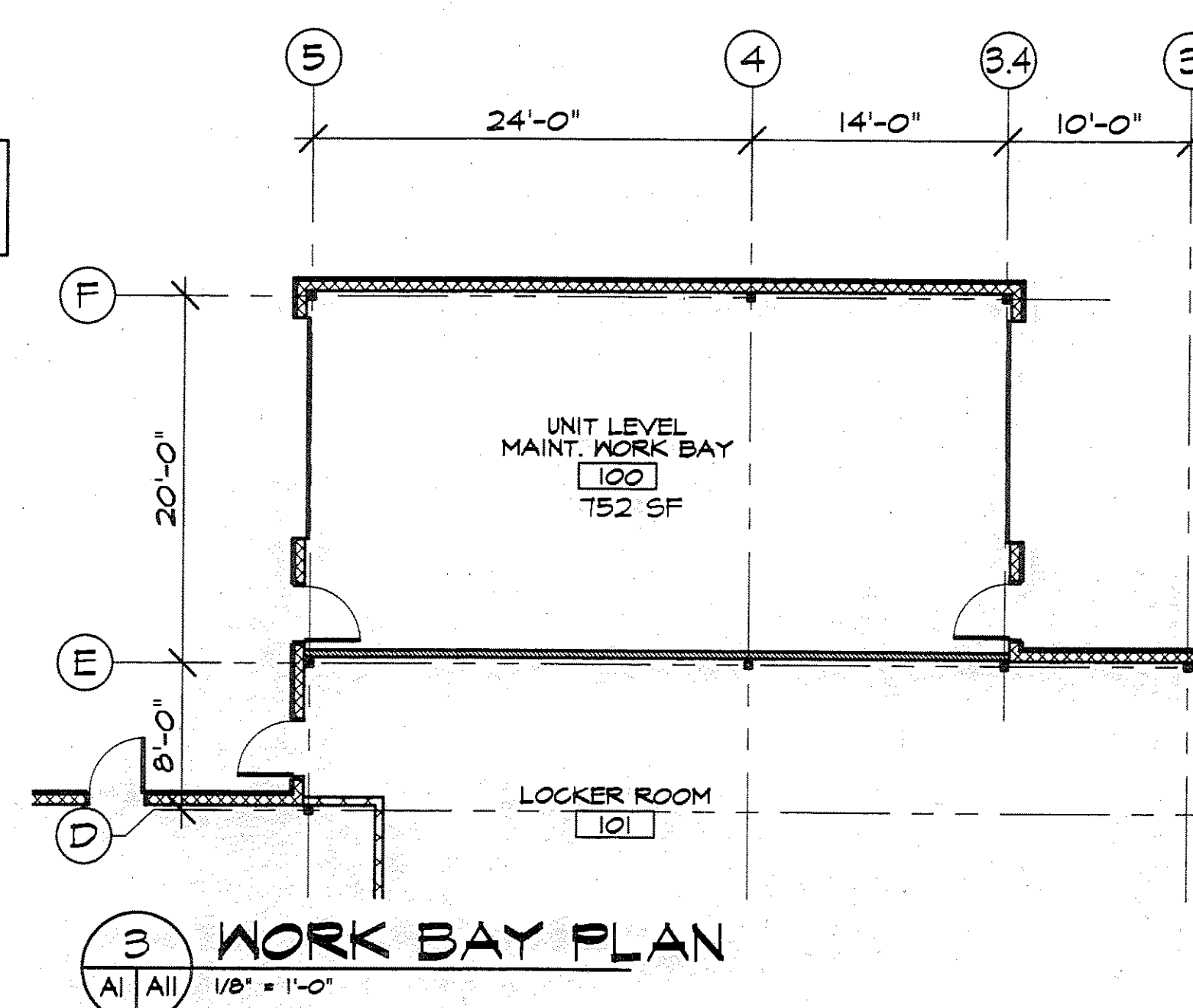
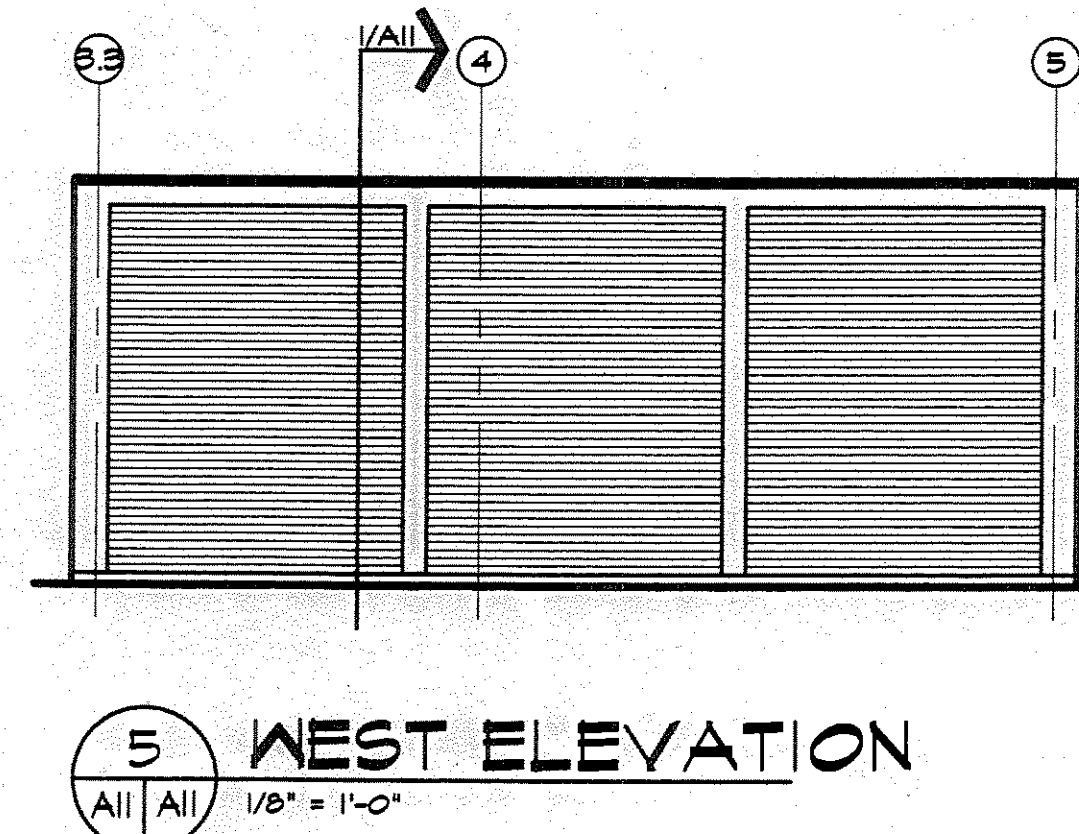
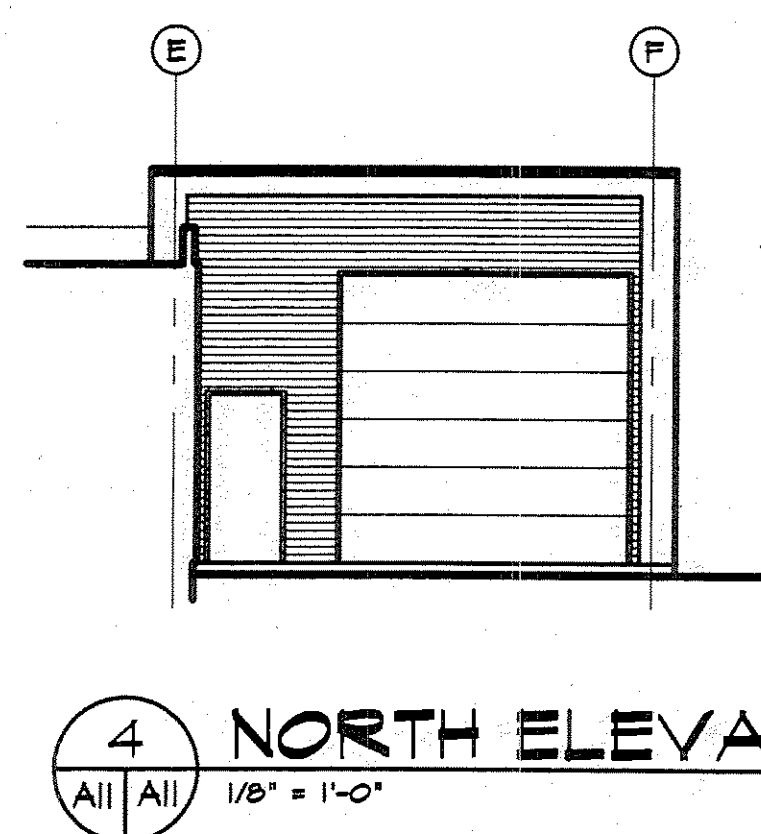
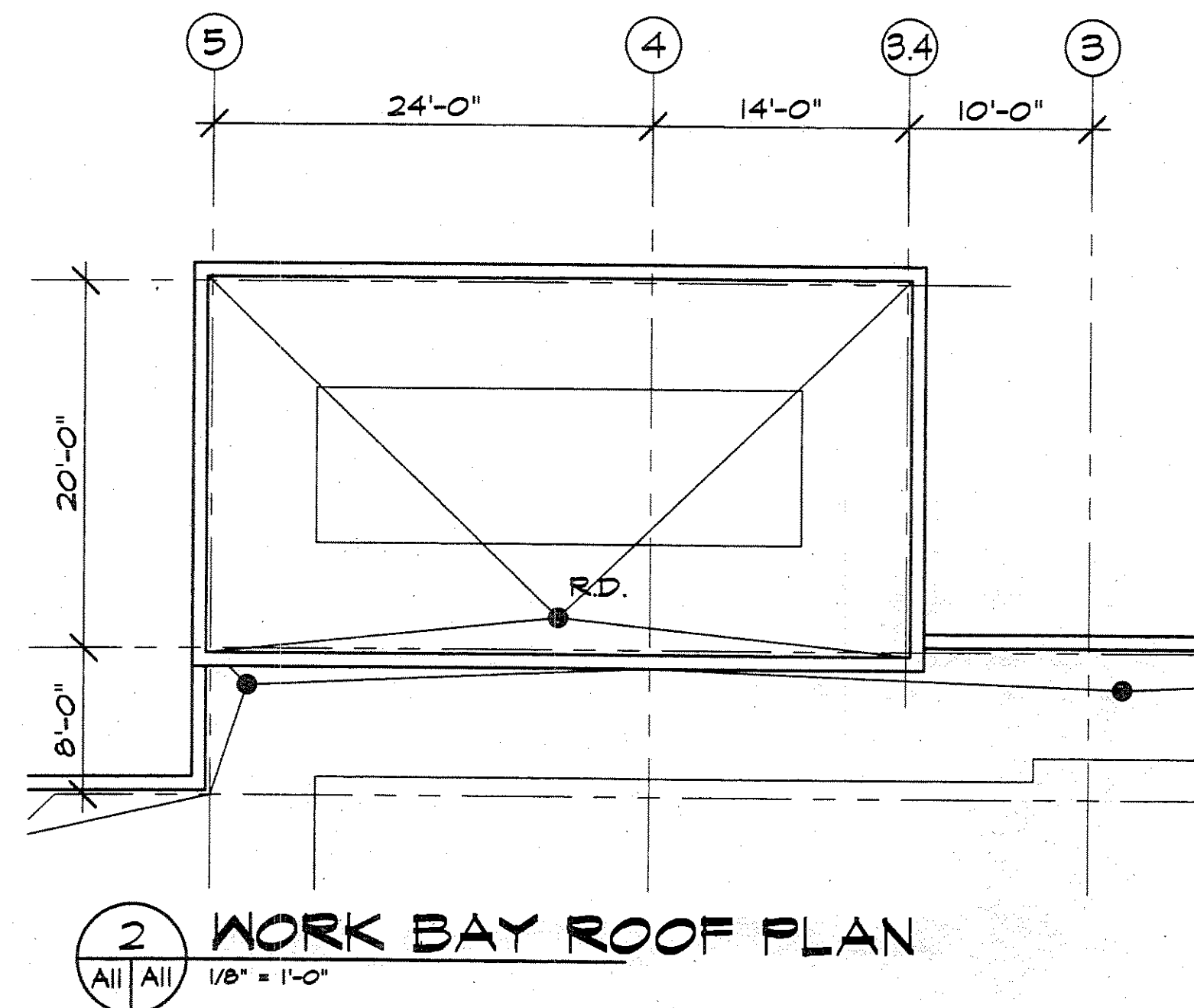
TOILET ROOM PLAN: FINISH,  
WINDOW & DOOR SCHEDULES

sheet no.

A10



1 WALL SECTION  
1" = 1'-0"



WALL CONSTRUCTION:  
3/4" GYP. BD.  
3/4" MTL. STUDS  
BATT INSULATION  
2 LAYERS 3/4" GYP. BD.  
3/4" M.D.O. BOARD, UP TO 8'-0" A.F.F.

MTL. FLASHING  
6"  
6"  
12"  
GRADE BEAM

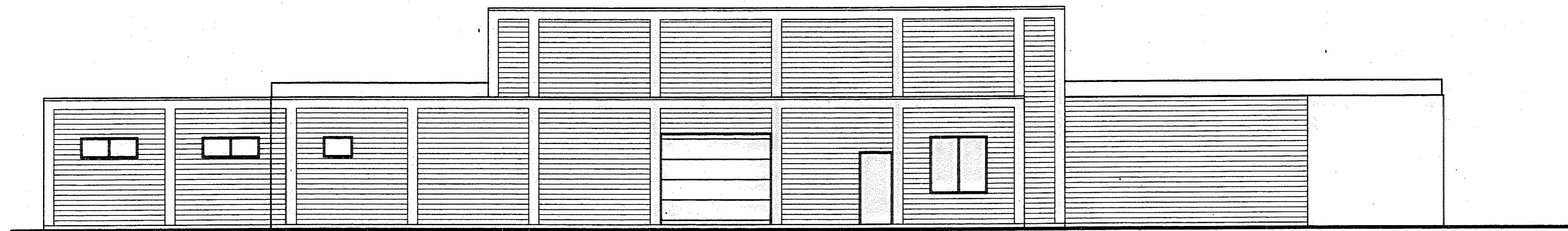
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SUBCONSULTANTS:  
JANTZ ASSOCIATES, INC.  
14400 144TH AVE. SUITE 200  
FAIRBANKS, ALASKA 99705  
PROJECT NO. 65892

FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

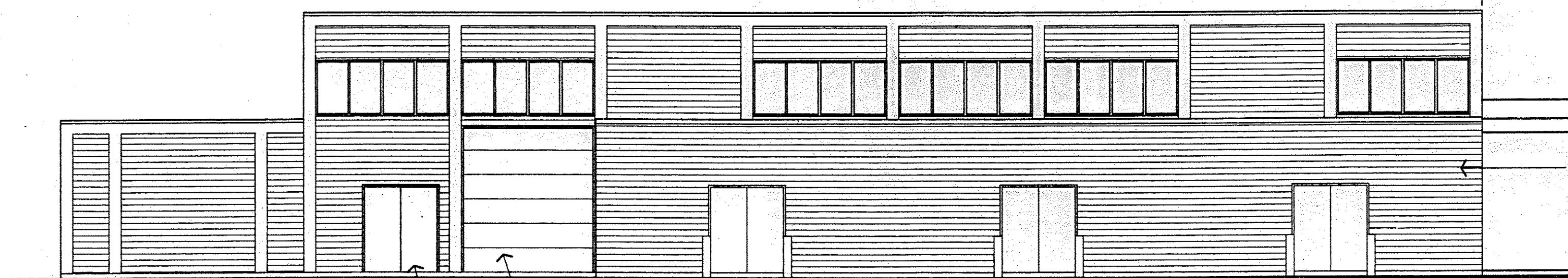
date: 01/15/97  
drawn: TEM  
designed: MDJ  
checked: MDJ  
revised:

WORK BAY PLAN, ELEVATIONS,  
SECTIONS - ALTERNATE #1

sheet no.  
A11



1  
- A12 1/8" = 1'-0"  
EXISTING BUILDING  
NORTH ELEVATION



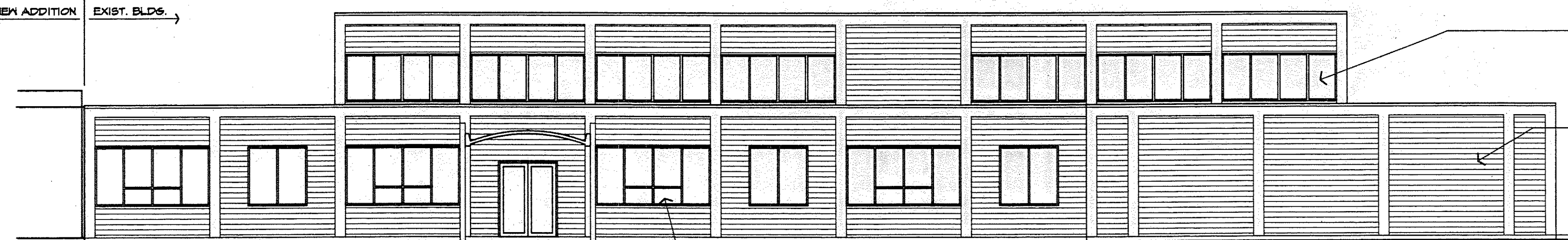
2  
- A12 1/8" = 1'-0"  
EXISTING BUILDING  
WEST ELEVATION

RELOCATE EXISTING O.H. DOOR  
FROM SOUTH WALL IN NEW  
11'W x 12'H OPENING  
NEW PAIR DOORS

EXIST. BLDG. NEW ADDITION

REMOVE EXISTING METAL SIDING  
INSTALL NEW METAL SIDING  
PANELS - ALT. #2

NEW ADDITION EXIST. BLDG.

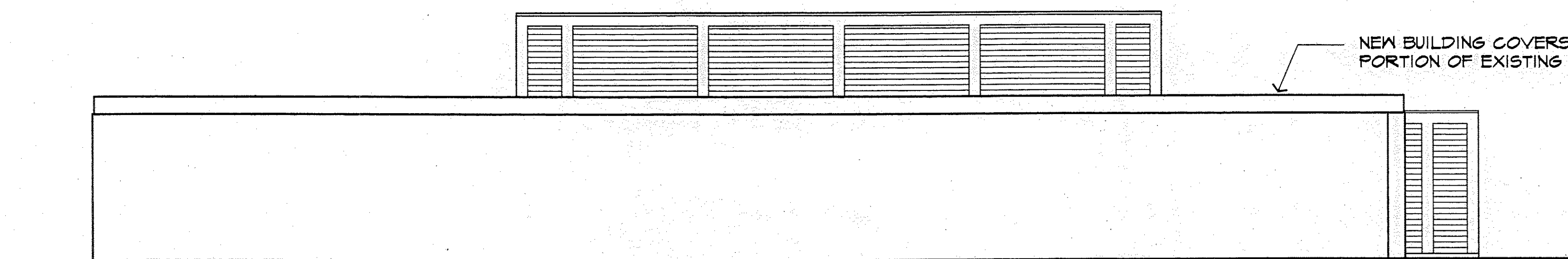


3  
- A12 1/8" = 1'-0"  
EXISTING BUILDING  
EAST ELEVATION

REPLACE EXISTING CLERES  
WINDOWS W/ NEW WINDOWS -  
ALT. #3

NEW METAL SIDING PANELS  
OVER EXISTING - ALT. #2

EXISTING WINDOWS TO REMAIN



NEW BUILDING COVERS  
PORTION OF EXISTING

4  
- A12 1/8" = 1'-0"  
EXISTING BUILDING  
SOUTH ELEVATION

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JANTZ ASSOCIATES, INC.  
ARCHITECT  
1000 W. 10TH AVE., SUITE 200  
FAIRBANKS, ALASKA 99701  
PROJECT NO. 020022

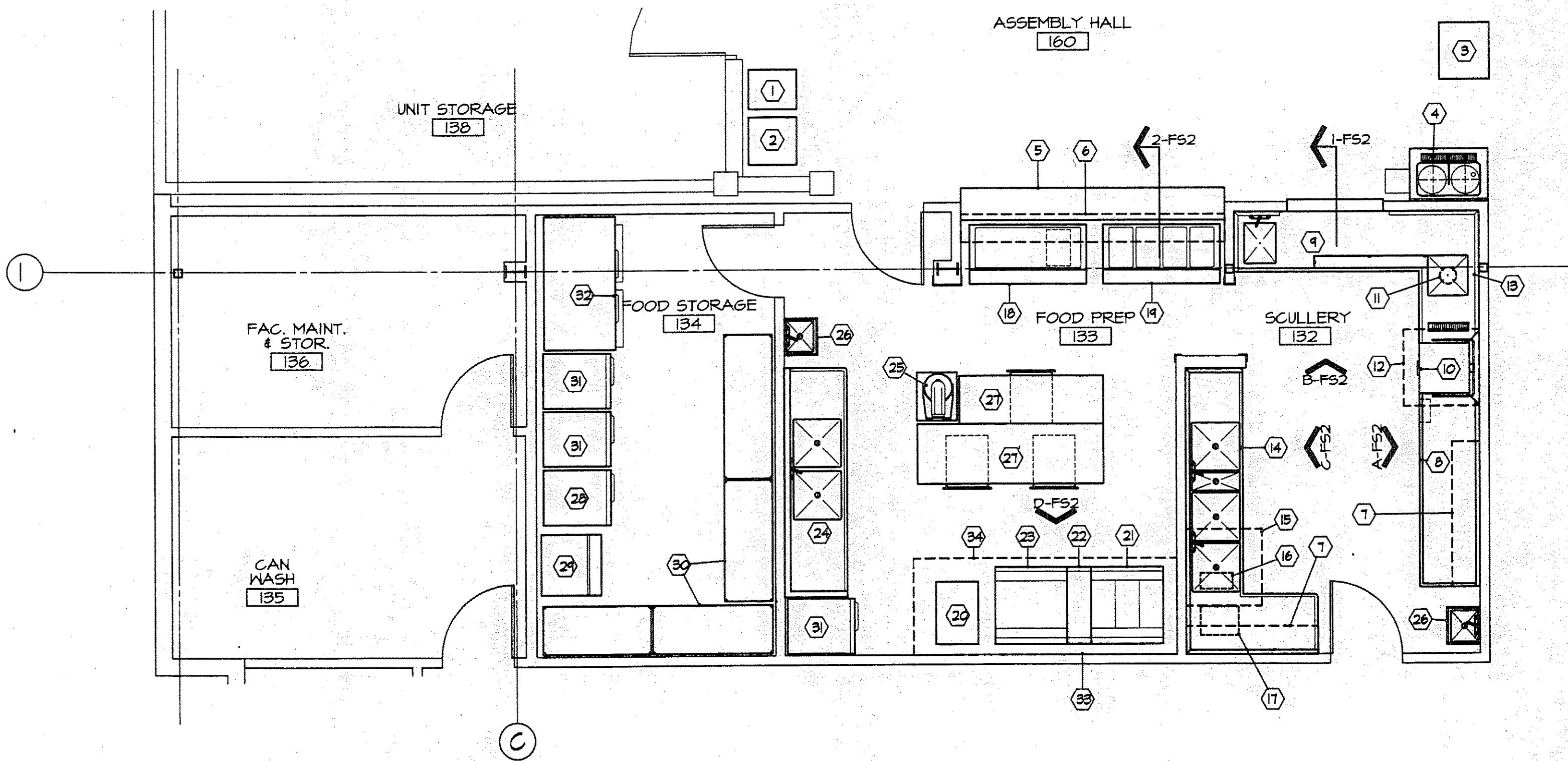
FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
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DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: DT, TEM  
designed:  
checked:  
revised:

EXTERIOR ELEVATIONS - EXIST.  
ALTERNATES #2, #3

sheet no.  
A12

| EQUIPMENT SCHEDULE |     |                                   |
|--------------------|-----|-----------------------------------|
| ITEM               | QTY | DESCRIPTION                       |
| 1                  | 1   | SILVER TRAY CART                  |
| 2                  | 1   | CUP CART                          |
| 3                  | 1   | GLASS CART                        |
| 4                  | 1   | COFFEE URN/STAND                  |
| 5                  | 1   | TRAY SLIDE                        |
| 6                  | 1   | SNEEZEGUARD                       |
| 7                  | 2   | WALL SHELF                        |
| 8                  | 1   | CLEAN DISH TABLE                  |
| 9                  | 1   | DIRTY DISH TABLE                  |
| 10                 | 1   | DISHWASHER, DOOR-TYPE             |
| 11                 | 1   | GARBAGE DISPOSER                  |
| 12                 | 1   | DISHWASHER HOOD                   |
| 13                 | 1   | PRE-RINSE SPRAY                   |
| 14                 | 1   | POT & PAN SINK                    |
| 15                 | 1   | POT SINK HOOD                     |
| 16                 | 1   | SINK HEATER                       |
| 17                 | 1   | HOT WATER BOOSTER                 |
| 18                 | 1   | REFRIGERATED FOOD COUNTER, MOBILE |
| 19                 | 1   | HOT FOOD COUNTER, MOBILE          |
| 20                 | 1   | STORAGE RACK                      |
| 21                 | 1   | HOT TOP RANGE                     |
| 22                 | 1   | SPREADER                          |
| 23                 | 1   | GRIDDLE TOP RANGE                 |
| 24                 | 1   | PREPARATION SINK COUNTER          |
| 25                 | 1   | MIXER/CART                        |
| 26                 | 2   | HAND SINK                         |
| 27                 | 2   | PREPARATION TABLES                |
| 28                 | 1   | REACH-IN FREEZER                  |
| 29                 | 1   | ICE MACHINE/BIN                   |
| 30                 | 4   | SHELVING                          |
| 31                 | 3   | REFRIGERATOR, 1 SECTION           |
| 32                 | 1   | REFRIGERATOR, 1 SECTION           |
| 33                 | 1   | STAINLESS STEEL WALL FLASHING     |
| 34                 | 1   | COOK LINE HOOD                    |



**KITCHEN PLAN**  
A3 FSI 1/4" = 1'-0"

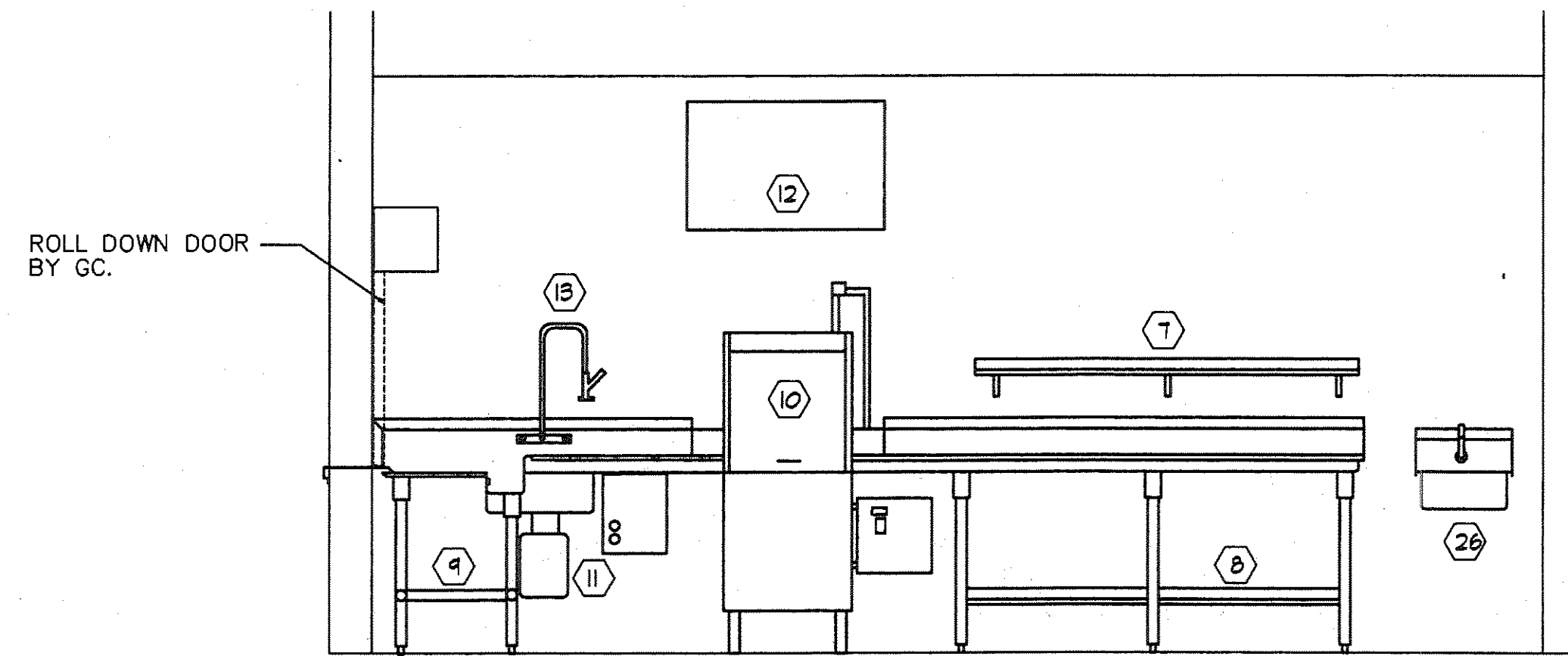
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DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

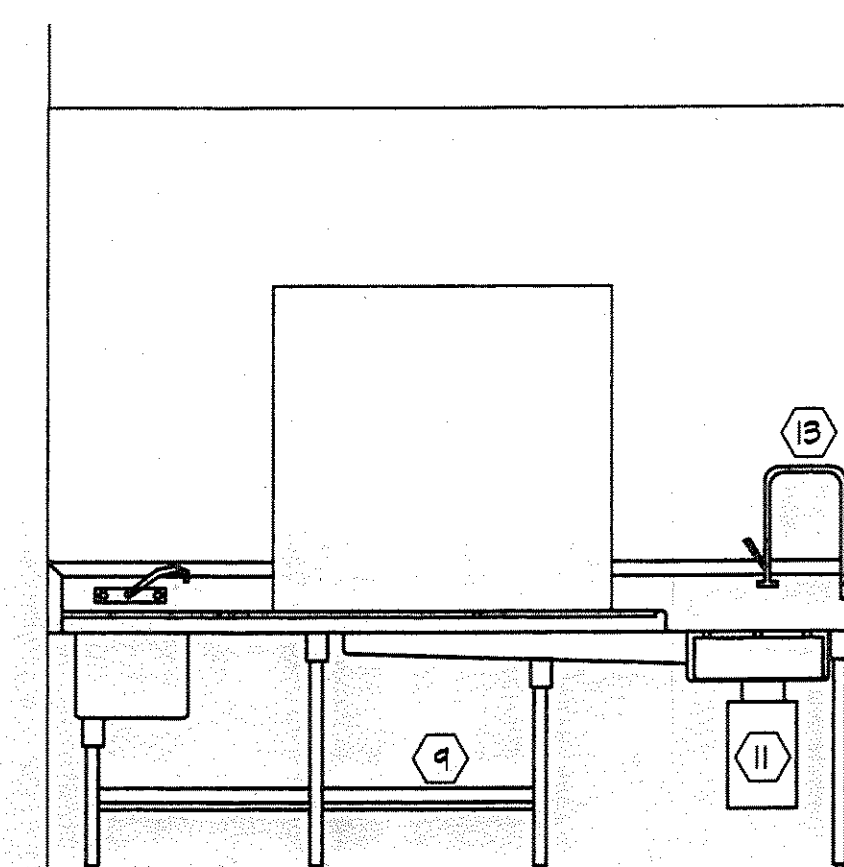
date: 01/15/97  
drawn: ---  
designed: ---  
checked: ---  
revised: ---

ENLARGED KITCHEN PLAN  
EQUIPMENT LIST

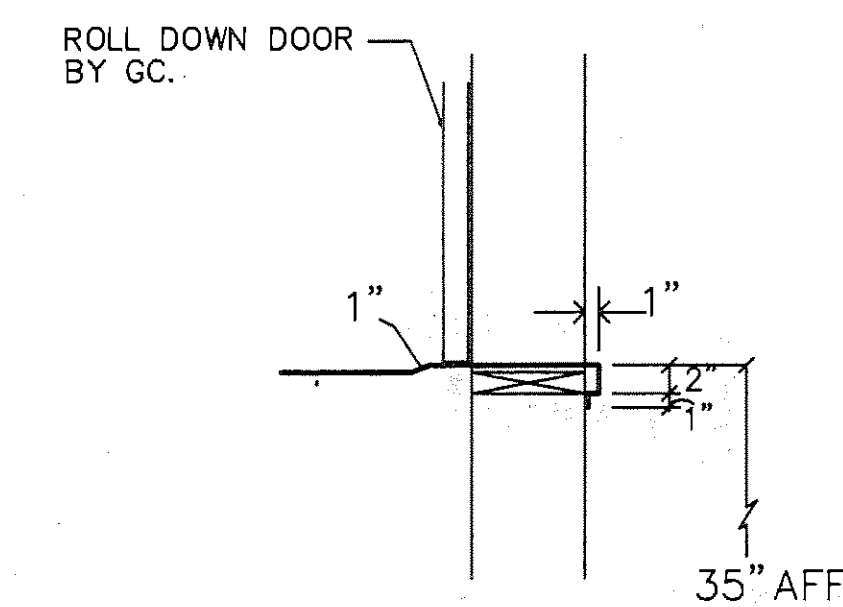
sheet no.  
FS1



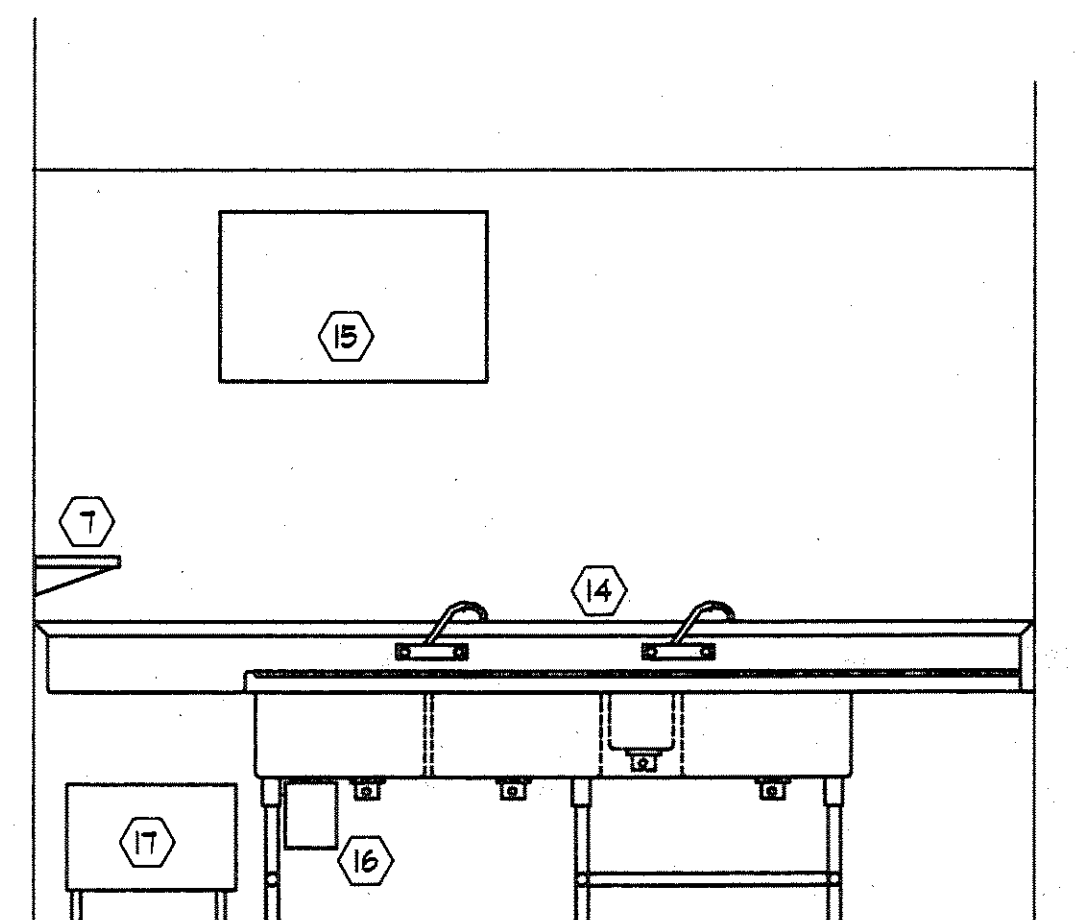
**A SCULLERY - DISHWASHER**  
FS1 FS2 1/2" = 1'-0"



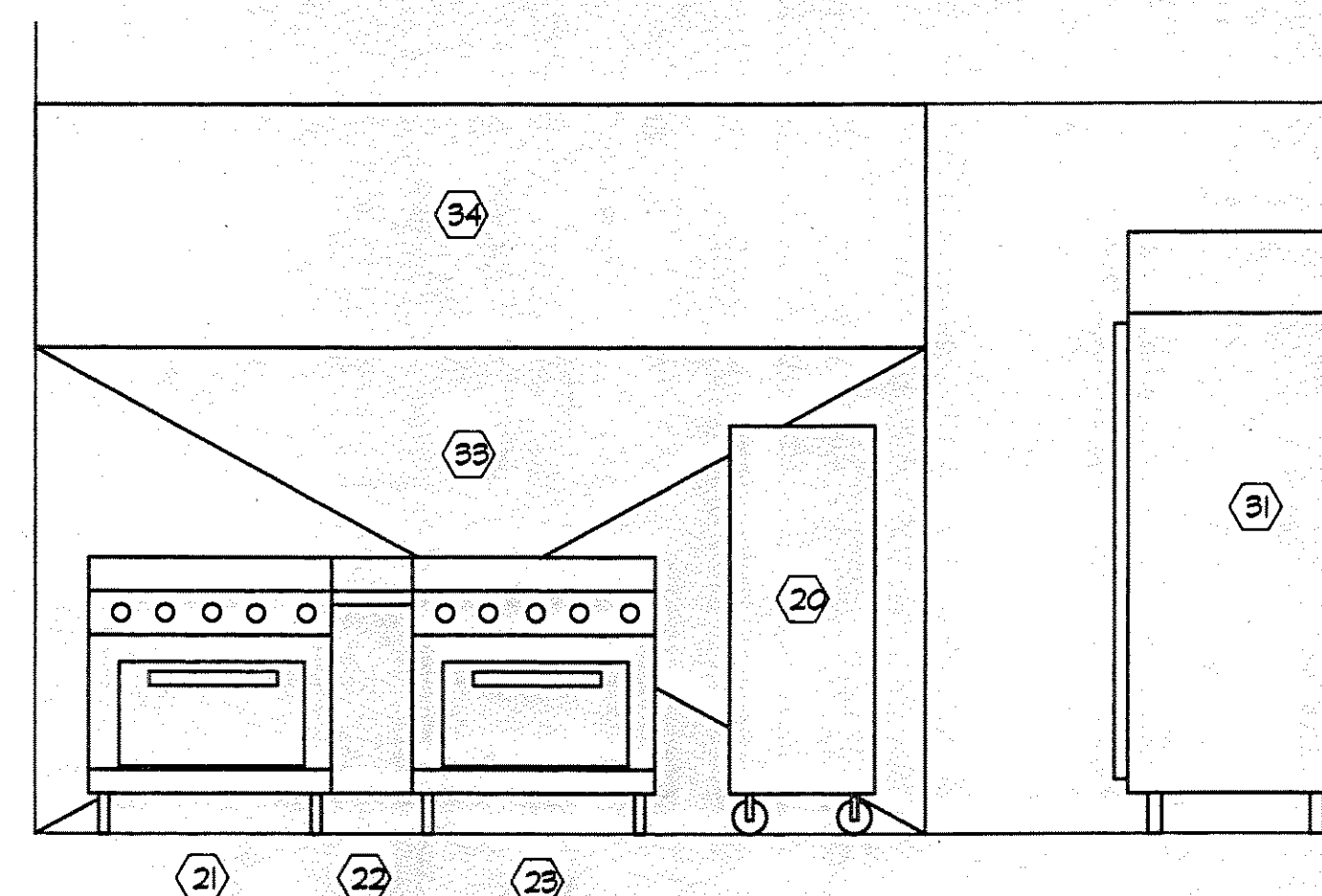
**B SCULLERY - DISHTABLE**  
FS1 FS2 1/2" = 1'-0"



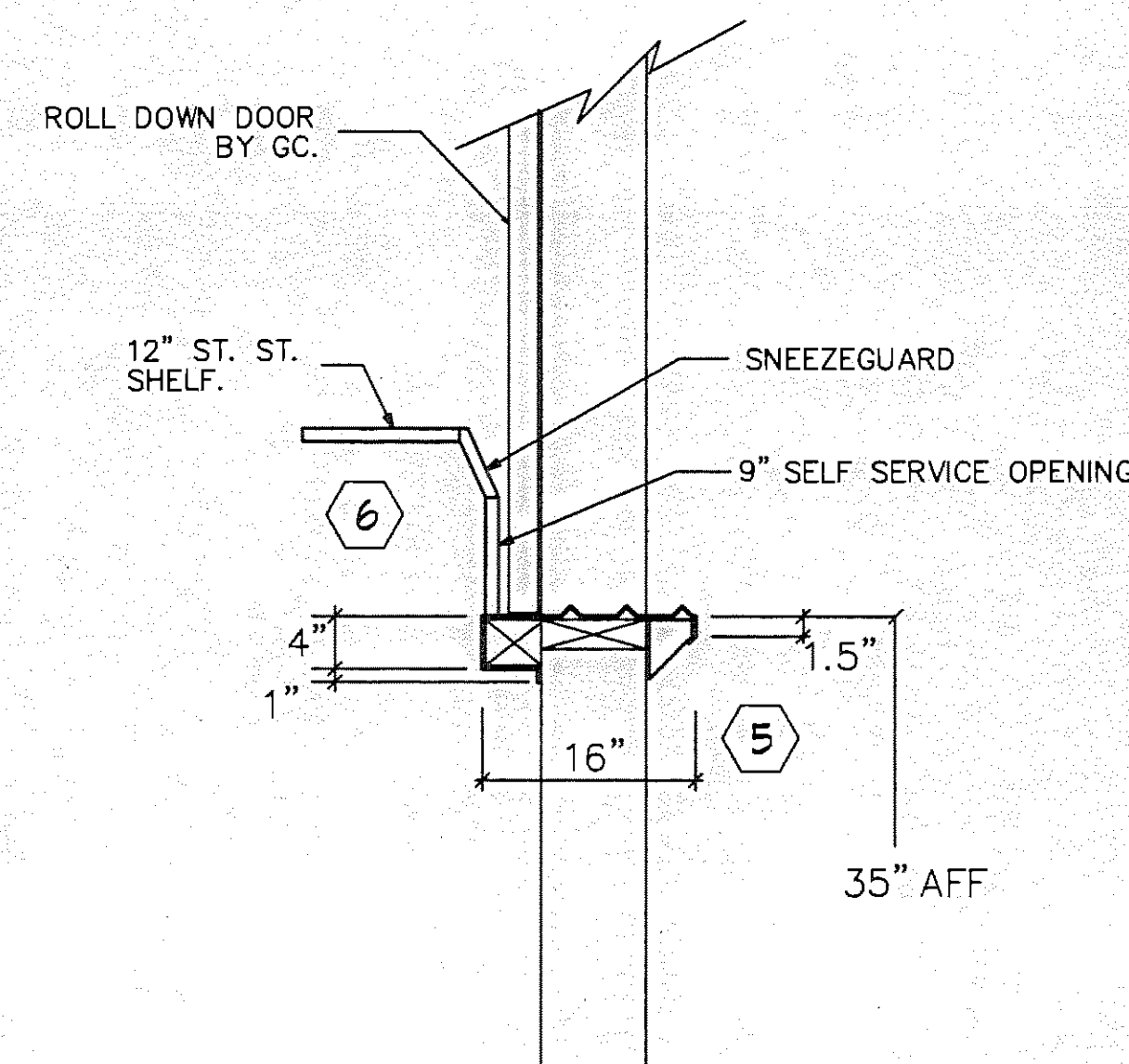
**1 PASS THRU**  
FS1 FS2 1" = 1'-0"



**C SCULLERY - POT SINK**  
FS2 FS1 1/2" = 1'-0"



**D FOOD PREP - COOK LINE**  
FS1 FS2 1/2" = 1'-0"



**2 SERVICE WINDOW**  
FS1 FS2 1" = 1'-0"

# GENERAL STRUCTURAL NOTES

## STRUCTURAL DESIGN DATA

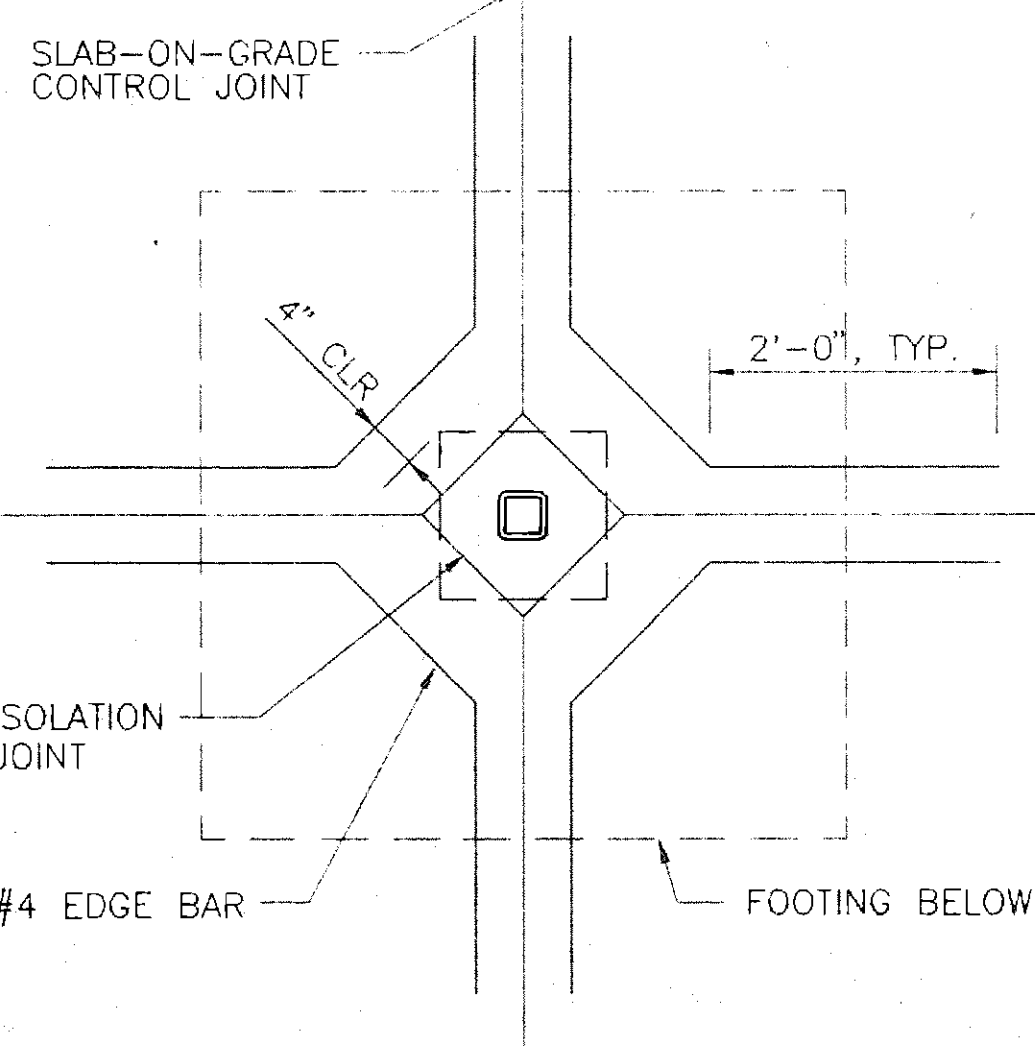
- LIVE LOADS:  
ROOF SNOW LOAD 50 PSF
- DRIFT LOADS:  
IN ACCORDANCE WITH THE  
UNIFORM BUILDING CODE (UBC) 1994  
EDITION, APPENDIX CHAPTER 23, DIVISION 1
- WIND LOADS:  
IN ACCORDANCE WITH THE  
UNIFORM BUILDING CODE (UBC) 1994  
EDITION
  - BASIC WIND SPEED 70 MPH
  - I=1.15 WITH EXPOSURE FACTOR C
  - MINIMUM HORIZONTAL FORCE 25 PSF
- SEISMIC:  
IN ACCORDANCE WITH THE  
UNIFORM BUILDING CODE (UBC) 1994  
EDITION
  - SEISMIC ZONE III, Z=0.3
  - I = 1.25
  - Rw = 8.0
  - 1/4 OF ROOF SNOW LOAD INCLUDED IN SEISMIC DEAD LOAD

## FOUNDATION

- ALL FOOTINGS SHALL BE FOUNDED UPON COMPACTED STRUCTURAL FILL, WITH AN ALLOWABLE BEARING CAPACITY OF 3,500 PSF.
- ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUBGRADE AND BACKFILL AREAS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.
- THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE CONTINUOUS PLACEMENT.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL SEASONAL FROST HAS THAWED OR BEEN REMOVED.

## STRUCTURAL CONCRETE NOTES

- ALL CAST-IN-PLACE CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60
- ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" - ACI 318 AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" - ACI 315.
- DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, UNLESS NOTED OTHERWISE.
- MINIMUM CONCRETE COVER SHALL BE:
  - 3" FOR CONCRETE CAST AGAINST THE EARTH
  - 1 1/2" FOR BARS EXPOSED TO EARTH OR WEATHER.



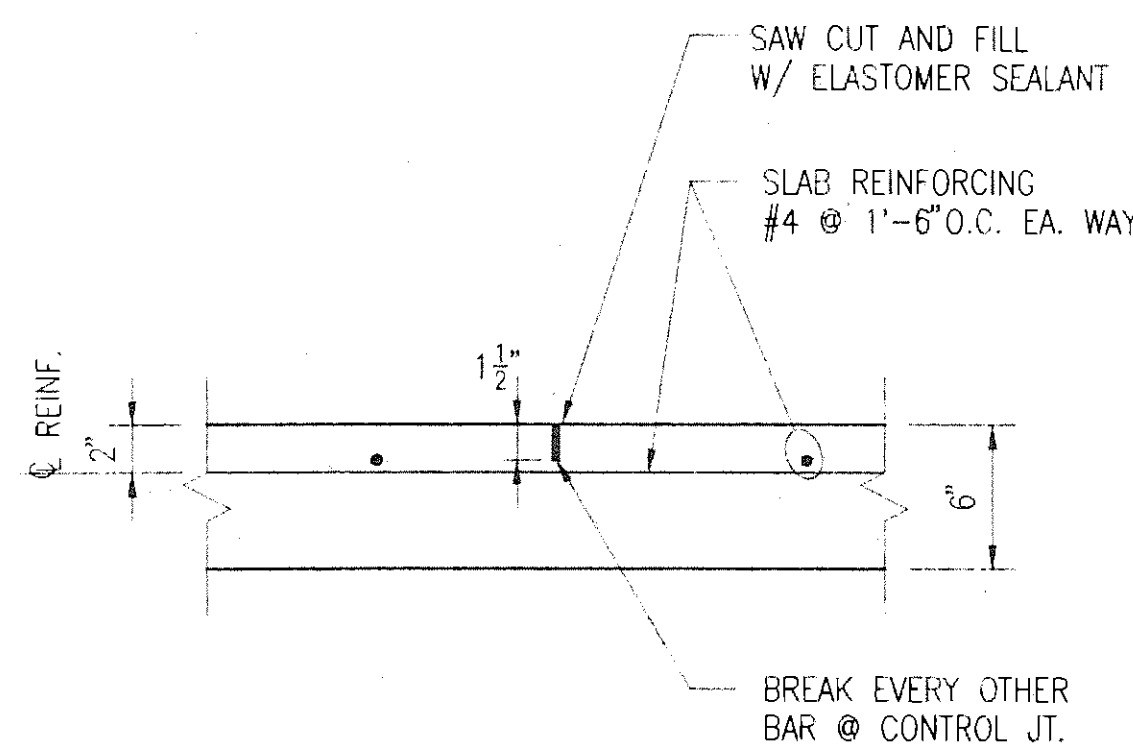
6 TYPICAL COLUMN ISOLATION JOINT  
S1 NTS 1400E102

## STRUCTURAL STEEL NOTES

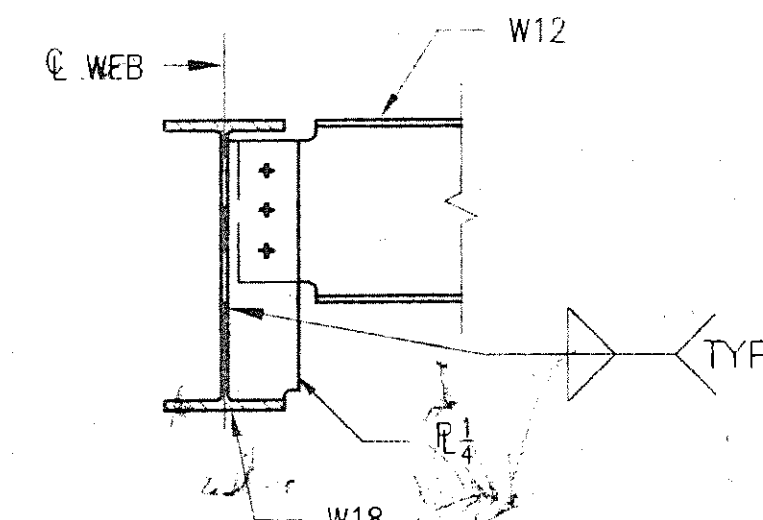
- STRUCTURAL STEEL SHALL BE ASTM A36, ASTM A500 GRADE B, OR ASTM A53 GRADE B, UNLESS OTHERWISE NOTED. ALL W-SHAPES TO BE ASTM A572 GRADE 50.
- ALL BOLTS, NUTS AND WASHERS USED FOR CONNECTIONS OF BEAM TO BEAM OR BEAM TO COLUMN CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325. MINIMUM BOLT SIZE USED FOR BEAM TO BEAM OR BEAM TO COLUMN CONNECTIONS SHALL BE 3/4 INCH DIAMETER.
- ALL WELDING ELECTRODES SHALL BE E70XX.
- ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC SPECIFICATION AND CODES, 9TH EDITION.
- ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND SHALL CONFORM TO THE AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION."
- THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2).
- ALL BEAMS SHALL BE FABRICATED AND ERECTED WITH THE NATURAL CAMBER UP. PROVIDE CAMBERS AS INDICATED ON THE DRAWINGS.
- THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S PROJECT REPRESENTATIVE.

## STRUCTURAL STEEL ROOF AND FORM DECK NOTES

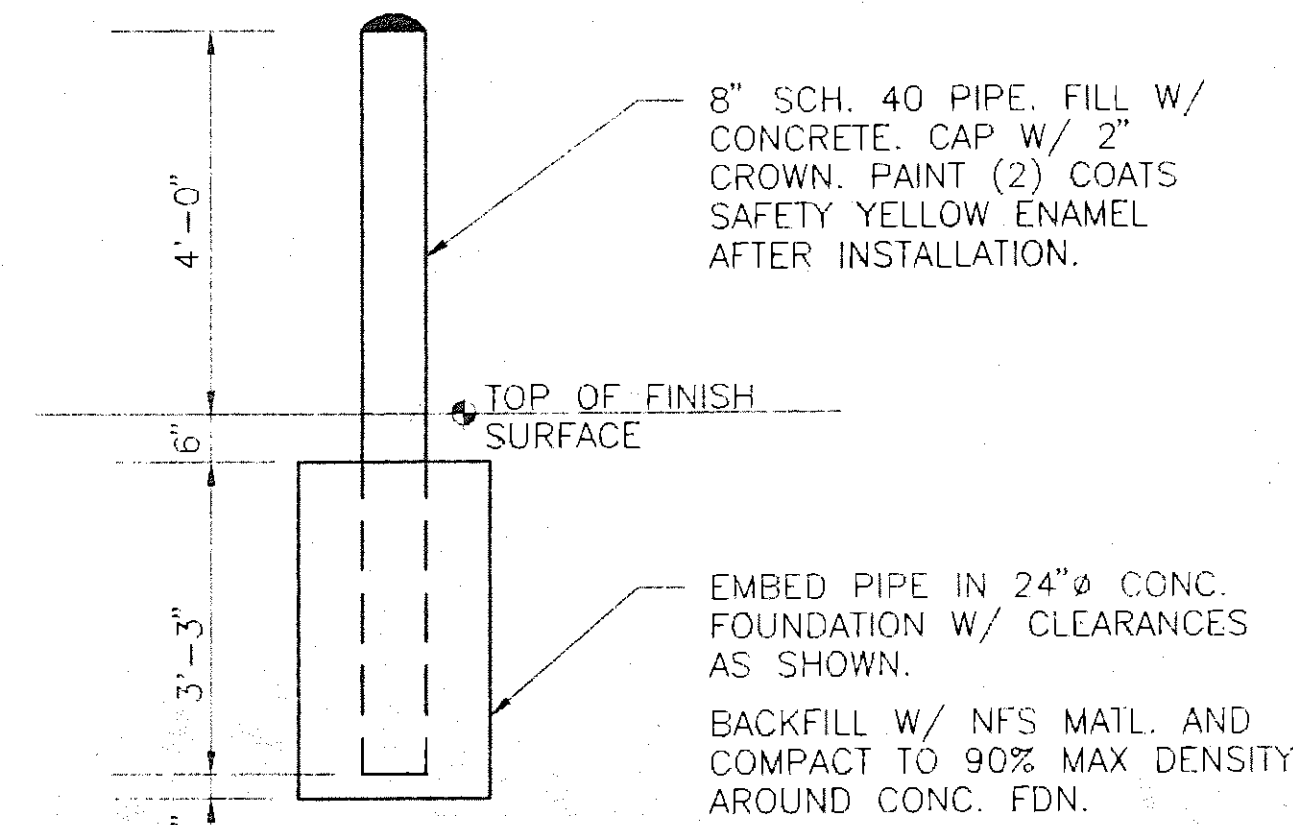
- ALL METAL DECK SHALL BE DESIGNED FOR THE CONDITIONS SHOWN ON THE DRAWINGS.
- METAL DECK SECTION PROPERTIES SHALL BE COMPUTED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS."
- ALL METAL DECKING SHALL BE FABRICATED FROM STEEL TYPE ASTM A446, GRADE B, HAVING A MINIMUM YIELD STRENGTH OF 38,000 PSI. ALL DECKING SHALL BE HOT-DIPPED GALVANIZED.
- ROOF DECK SHALL BE 1 1/2" DEPTH, 20 GAUGE, WITH THE FOLLOWING MINIMUM SECTION PROPERTIES: I<sub>x</sub>=0.216 IN<sup>4</sup>, S<sub>x</sub>=0.235 IN<sup>3</sup>, S<sub>y</sub>=0.248 IN<sup>3</sup>. FORM DECK SHALL BE 2" DEPTH, 20 GAUGE, WITH THE FOLLOWING MINIMUM SECTION PROPERTIES: I<sub>x</sub>=0.423 IN<sup>4</sup>, S<sub>x</sub>=0.361 IN<sup>3</sup>, S<sub>y</sub>=0.370 IN<sup>3</sup>.
- THE METAL DECK SHALL BE DESIGNED TO SATISFY LOAD AND DEFLECTION REQUIREMENTS FOR COLD FORMED STEEL STRUCTURAL MEMBERS.
- PROVIDE CONTINUOUS SHEET METAL CLOSURES AT ALL SLAB OPENINGS AND SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS.
- ALL METAL ROOF DECKING SHALL BE FASTEN TO EACH STRUCTURAL STEEL FRAMING MEMBER WITH (5) 1/2 INCH EFFECTIVE DIAMETER FUSION WELDS PER 36 INCH WIDE SHEET.
- SHEET SIDE LAPS SHALL BE TOP SEAM WELDED WITH 1-1/2" LONG WELDS AT 24" ON CENTER, TYPICAL FOR ROOF DECKING.



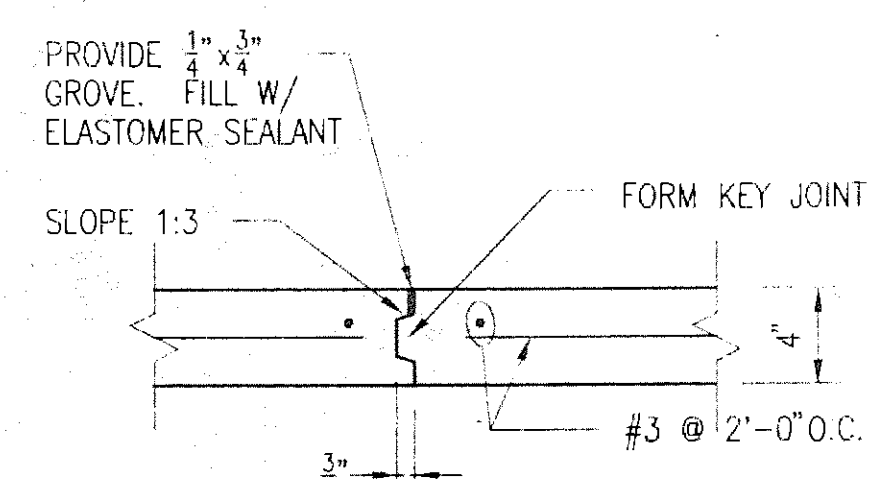
3 CONTROL JOINT @ WORK BAY SLAB  
S2 S1 1 1/2" = 1'-0" 1400E103



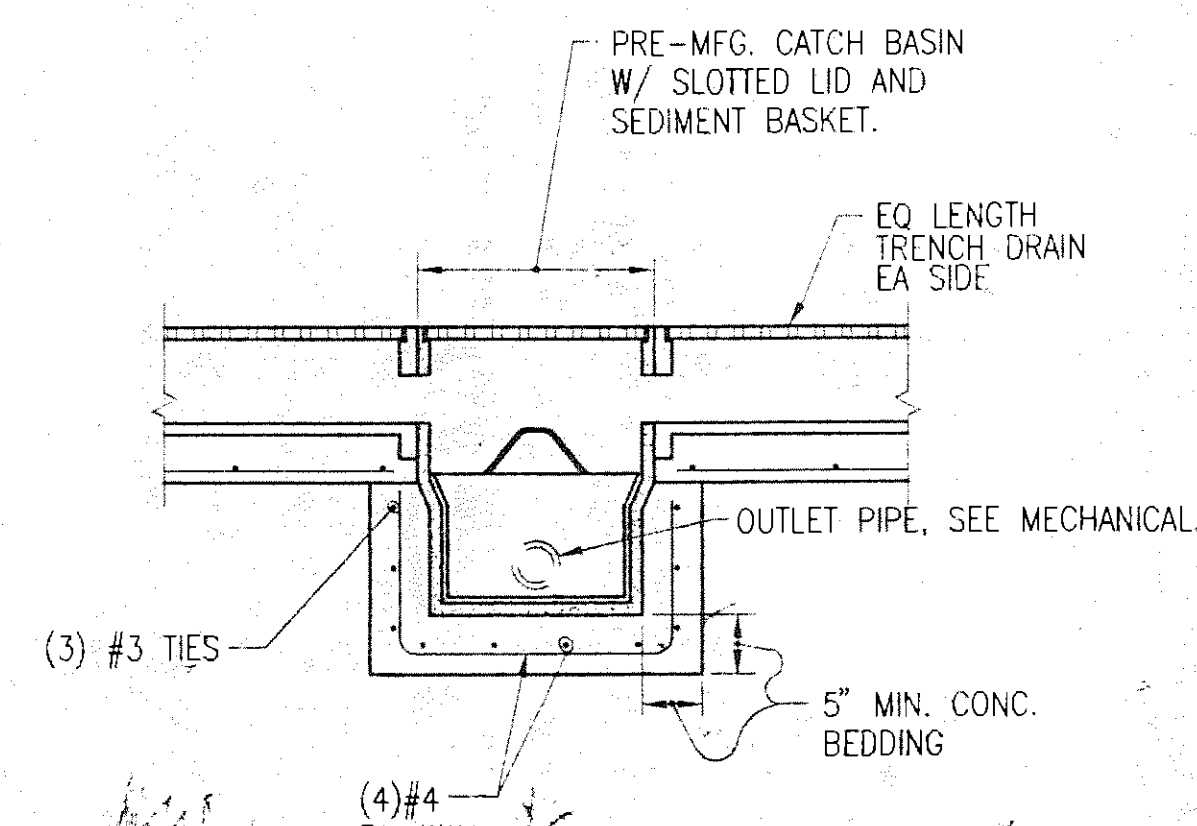
7 TYPICAL BEAM TO GIRDER CONNECTION  
S1 1" = 1'-0" STEEL 14



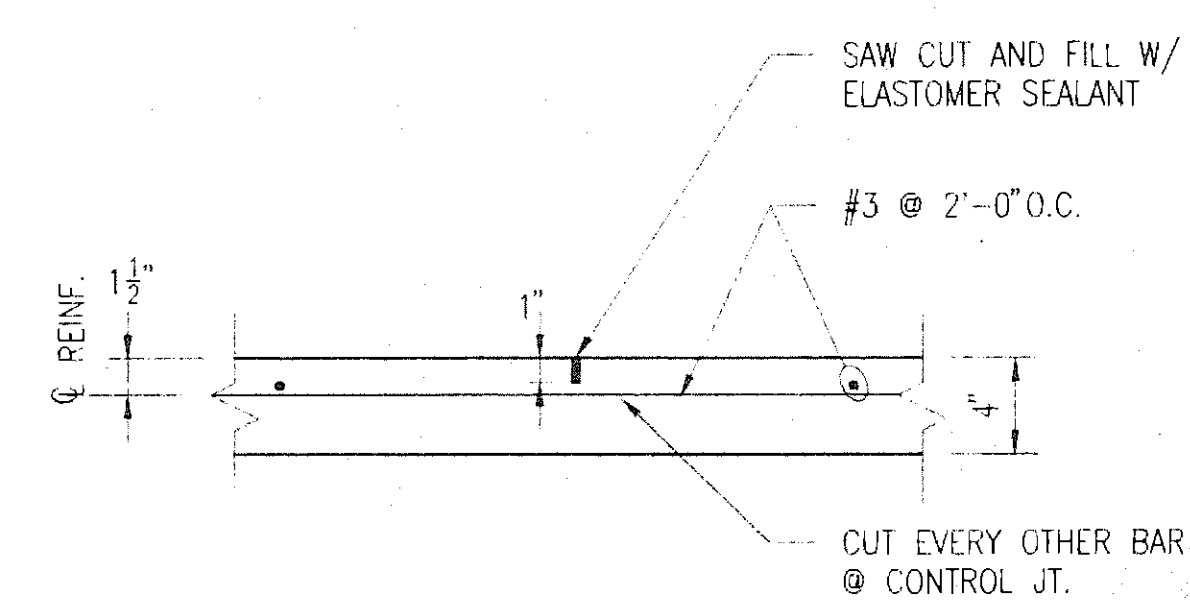
1 TYPICAL BOLLARD DETAIL  
S1 1/2" = 1'-0" 1400E104



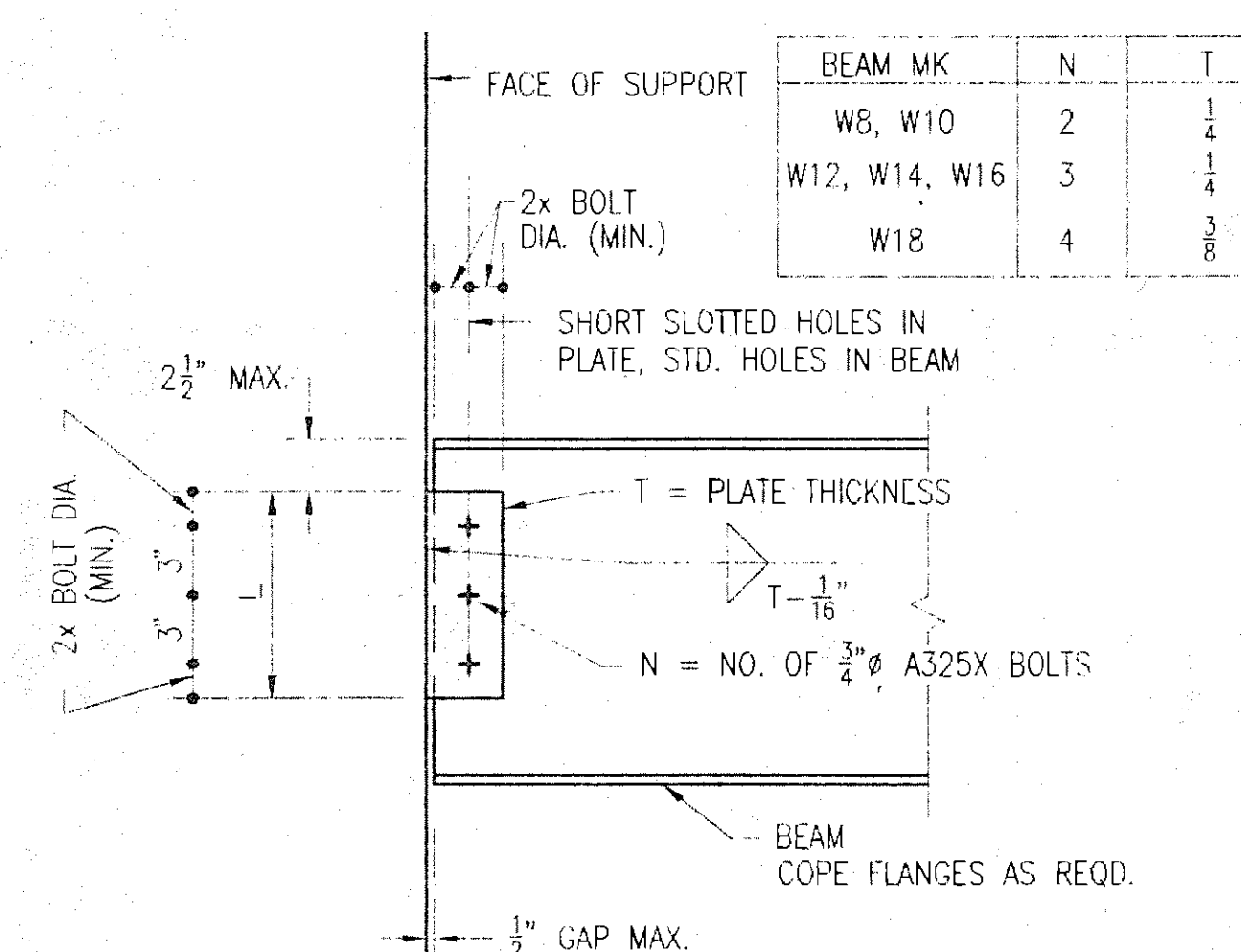
4 TYPICAL CONSTRUCTION JOINT  
S1 S1 1 1/2" = 1'-0" 1400E105



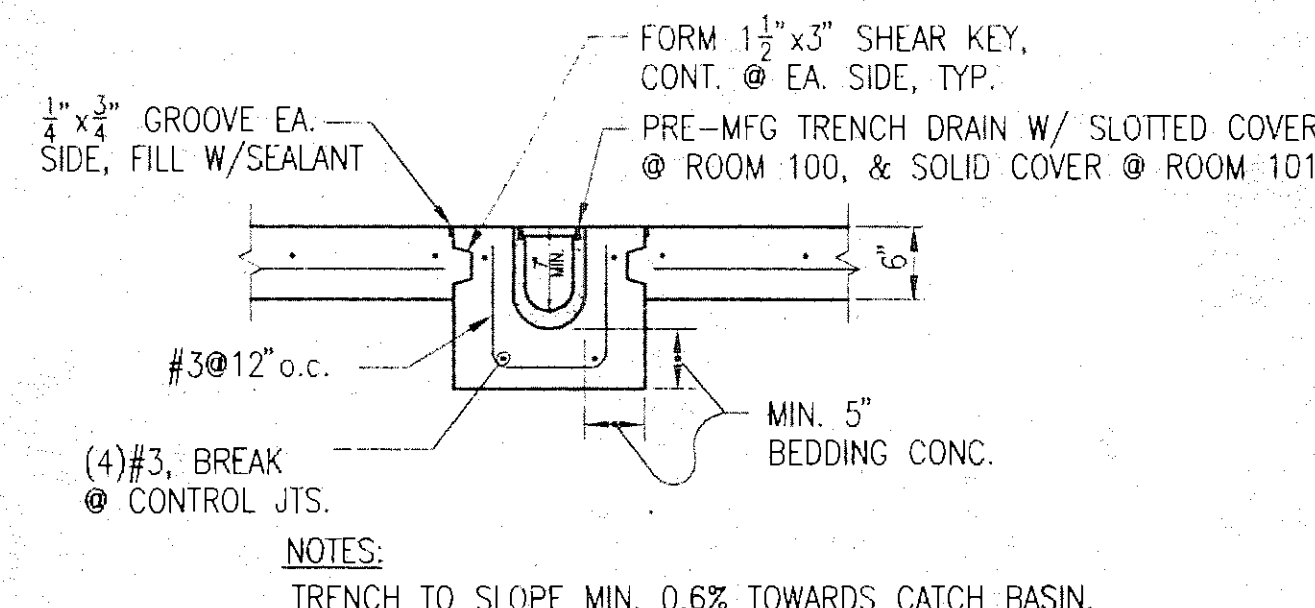
8 SECTION  
S2 S1 3/4" = 1'-0" DETAIL 9



2 TYPICAL CONTROL JOINT  
S2 S1 1 1/2" = 1'-0" 1400E104



5 TYPICAL BEAM CONNECTION DETAIL  
S1 NTS STEEL 17



9 SECTION  
S2 S1 3/4" = 1'-0" DETAIL 8

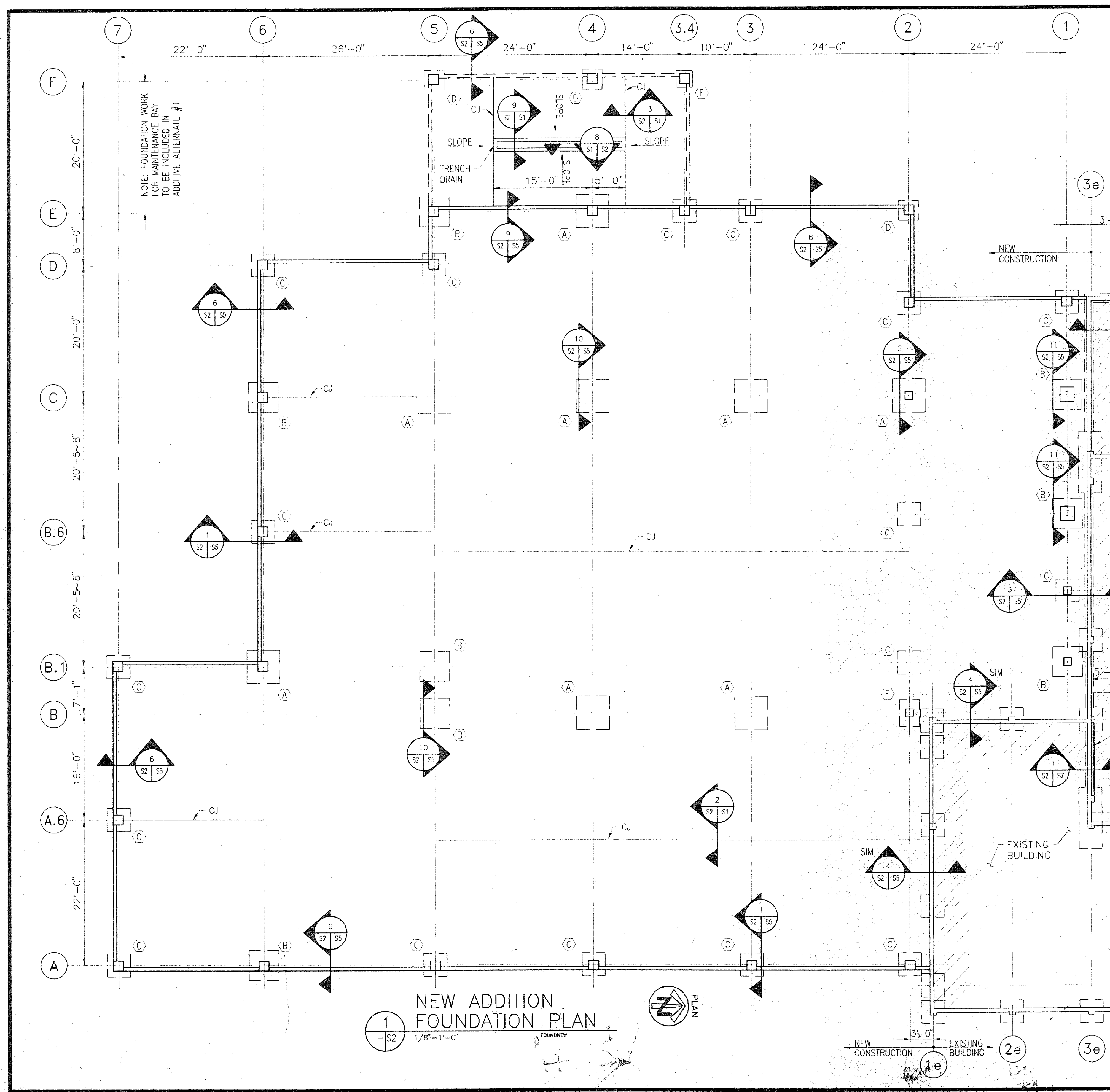
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designed: PWR  
checked:  
revised:

GENERAL NOTES  
AND  
TYPICAL DETAILS

sheet no.  
S1



| MARK | SIZE                    | REINFORCEMENT         |
|------|-------------------------|-----------------------|
| (A)  | 5'-0" x 5'-0" x 12"     | (5) #6 EA. WAY        |
| (B)  | 4'-6" x 4'-6" x 12"     | (5) #6 EA. WAY        |
| (C)  | 3'-6" x 3'-6" x 11 1/4" | (4) #5 EA. WAY        |
| (D)  | 3'-0" x 3'-0" x 11 1/4" | (3) #5 EA. WAY        |
| (E)  | 2'-6" x 2'-6" x 11 1/4" | (3) #5 EA. WAY        |
| (F)  | 3'-0" x 4'-0" x 11 1/4" | #6 @ 12" O.C. EA. WAY |

- TYPICAL SLAB NOTES:
1. TYPICAL FLOOR SLAB IS 4" THICK CONCRETE REINFORCED WITH #3 @ 2'-0" O.C.
  2. CONTROL JOINTS WILL BE ALONG GRID LINES. ADDITIONAL JOINTS LOCATED AS SHOWN BY "CJ".
  3. MAINTENANCE BAY FLOOR SLAB IS 6" THICK CONCRETE REINFORCED WITH #4 @ 1'-6" O.C.

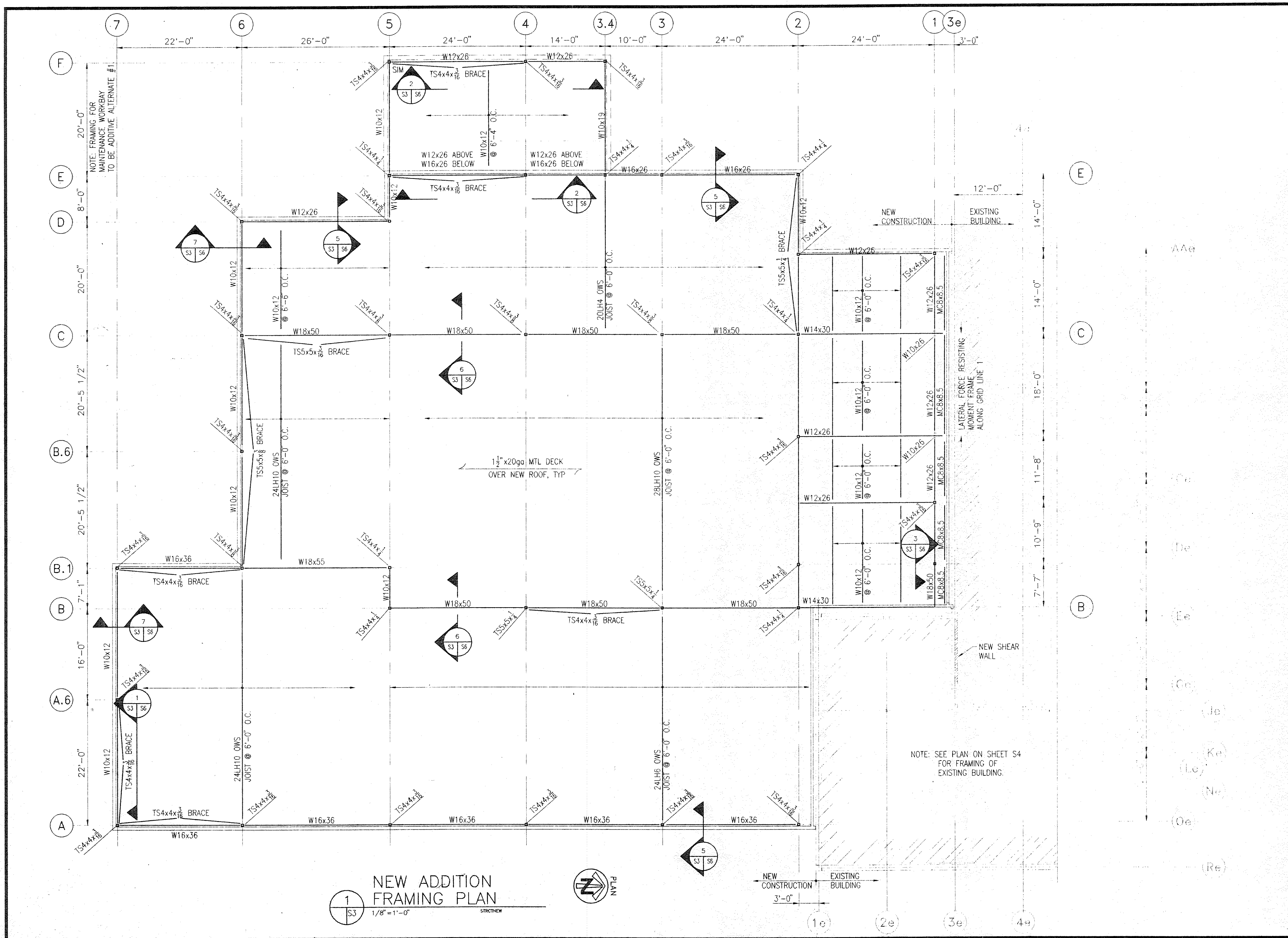
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DOT/PF PROJECT No. 65892

date: 1/15/97  
drawn: VNC  
designed: PWR  
checked:  
revised:

NEW ADDITION  
FOUNDATION PLAN

sheet no. S2



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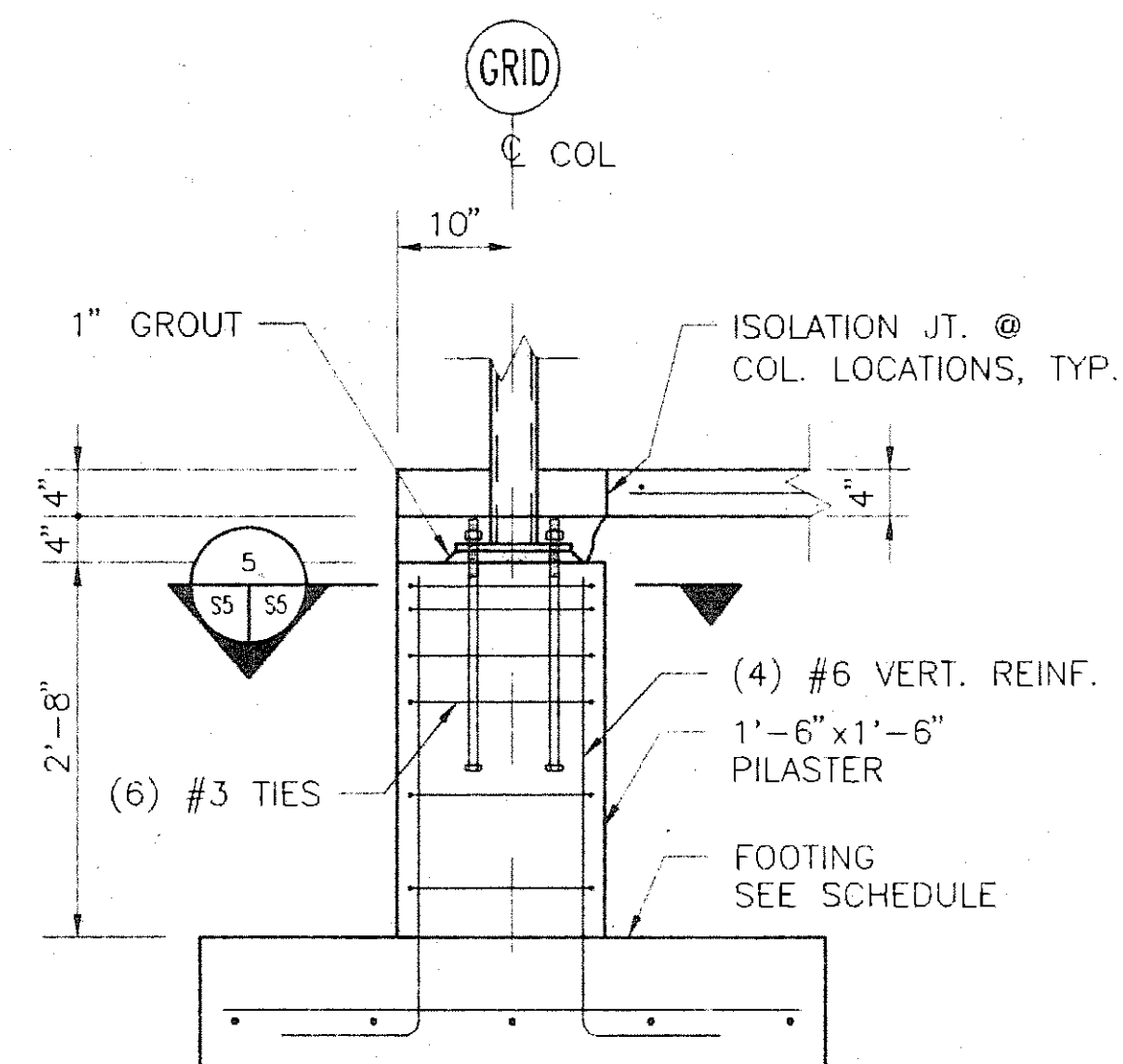
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DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 1/15/97  
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checked:  
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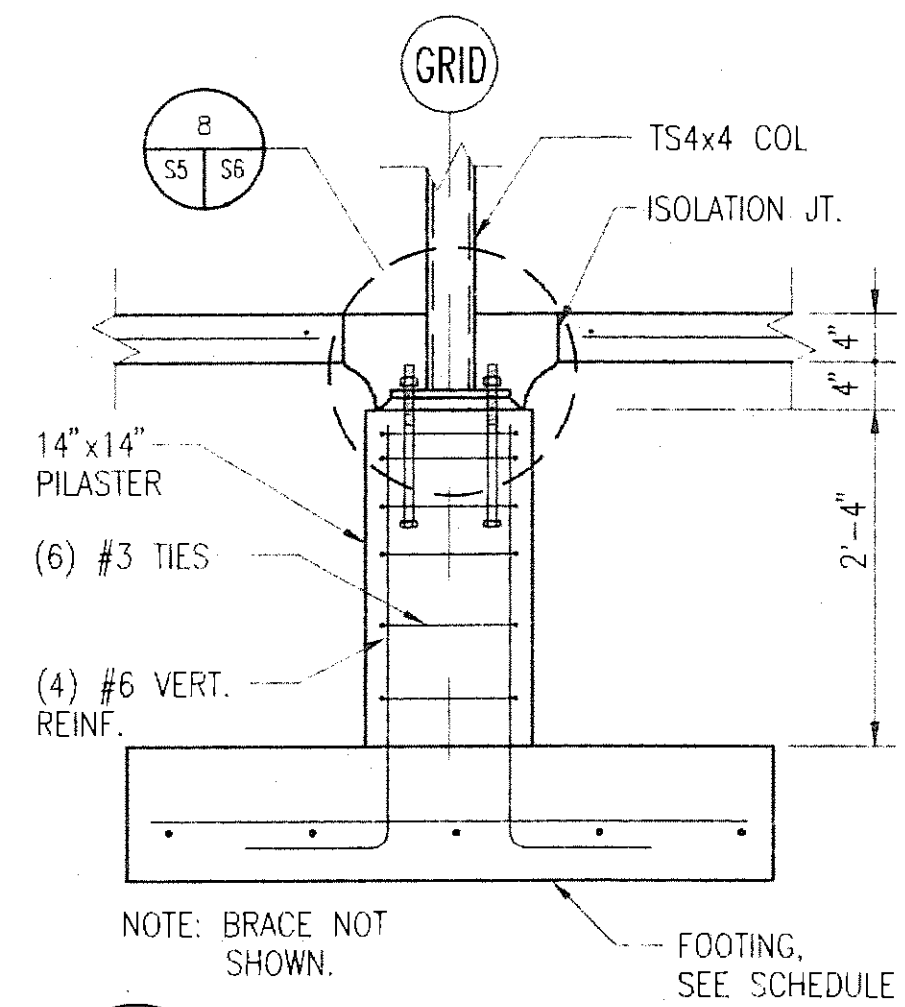
NEW ADDITION  
FRAMING PLAN

sheet no.  
S3

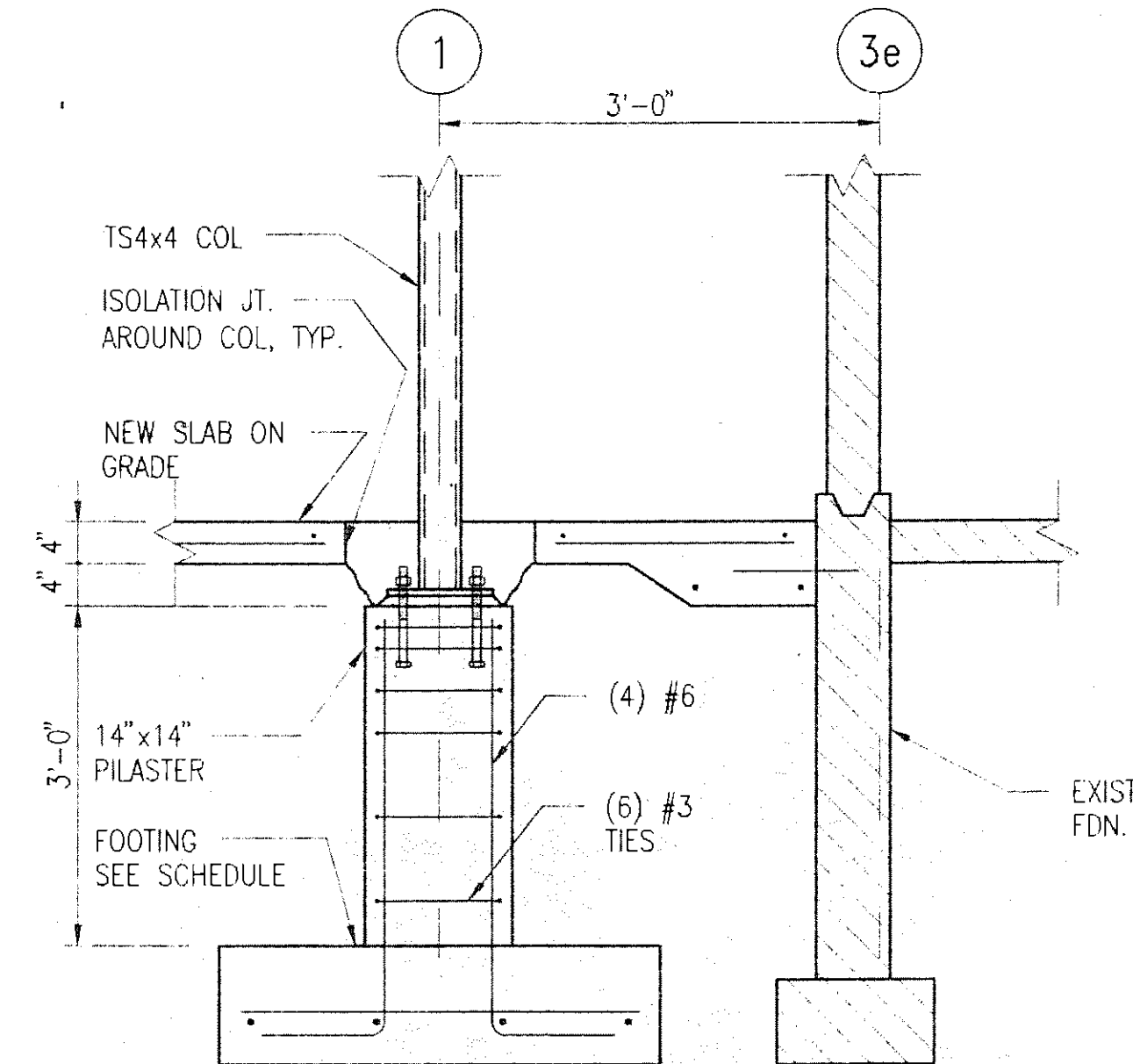




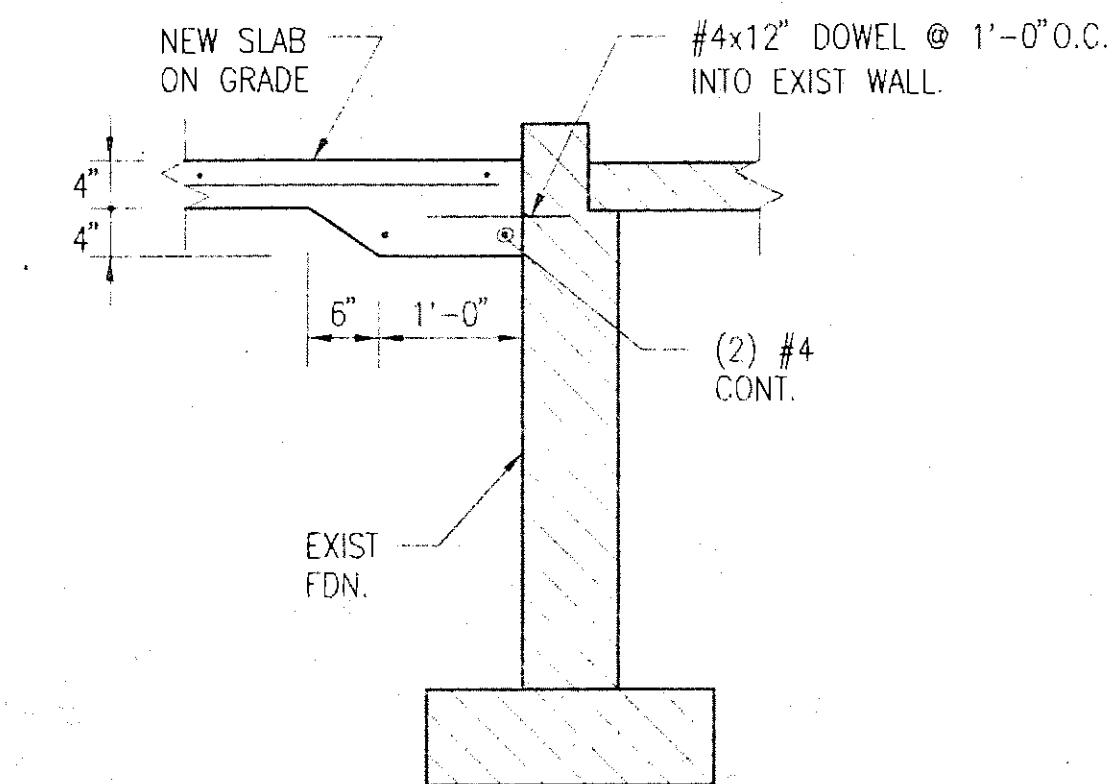
1 SECTION  
S2 S5 1" = 1'-0"



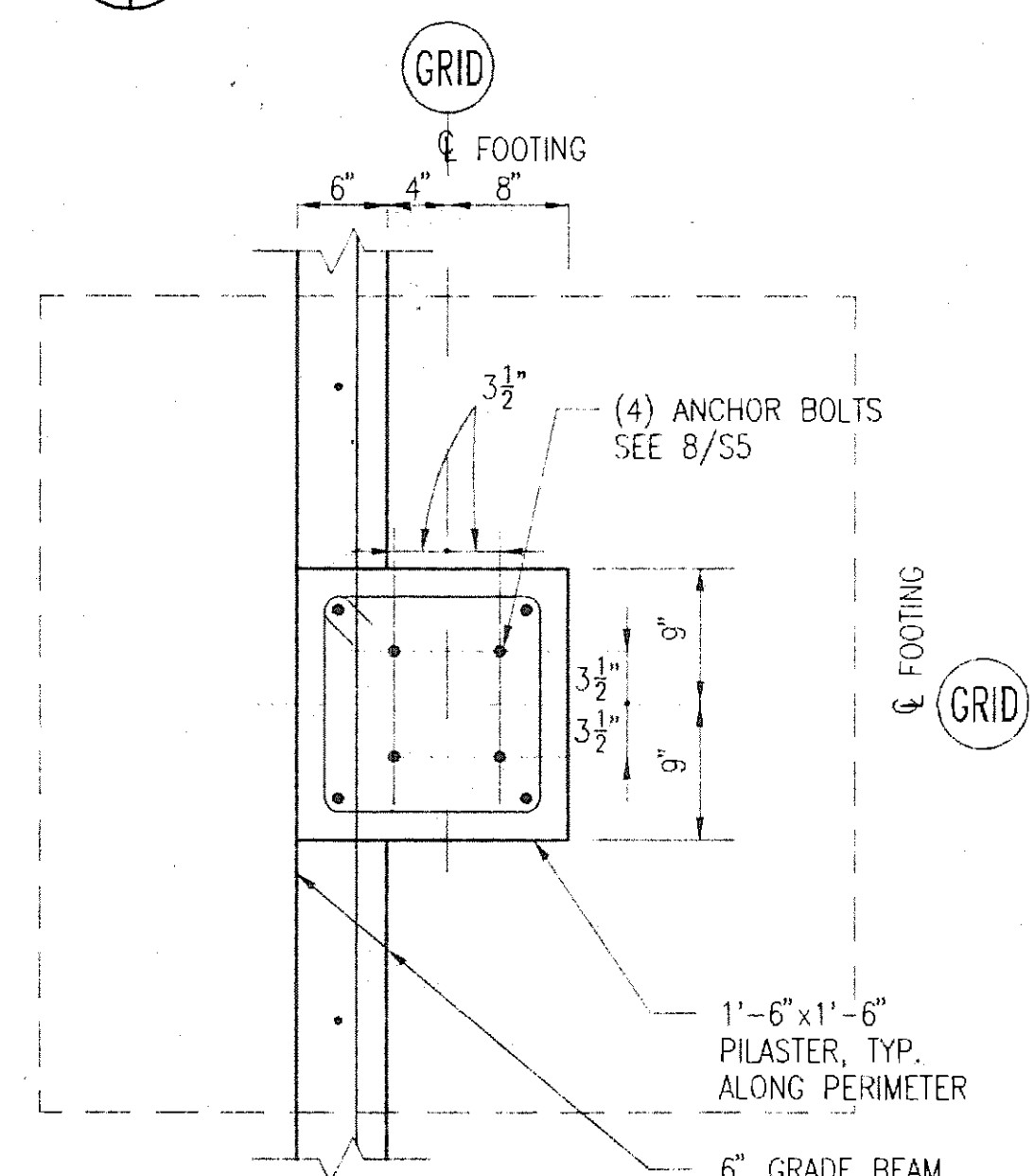
2 SECTION  
S2 S5 1" = 1'-0"



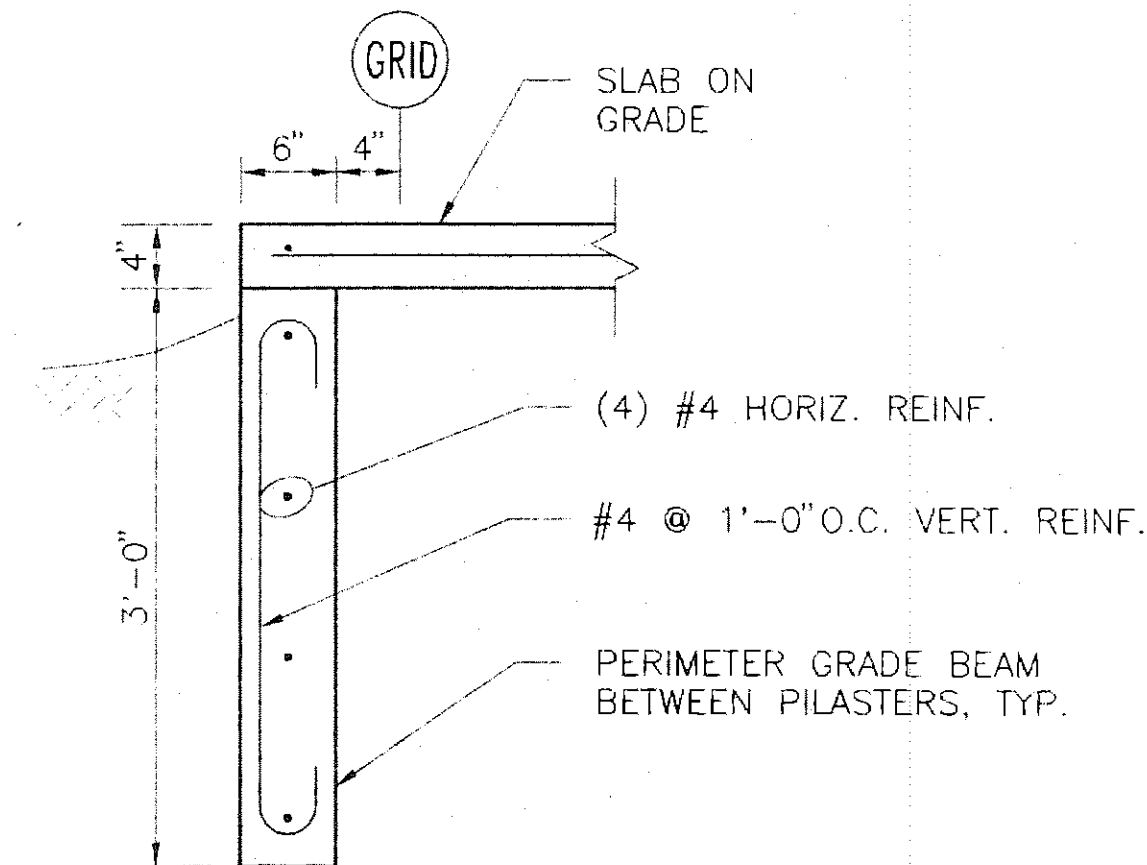
3 SECTION  
S2 S5 1" = 1'-0"



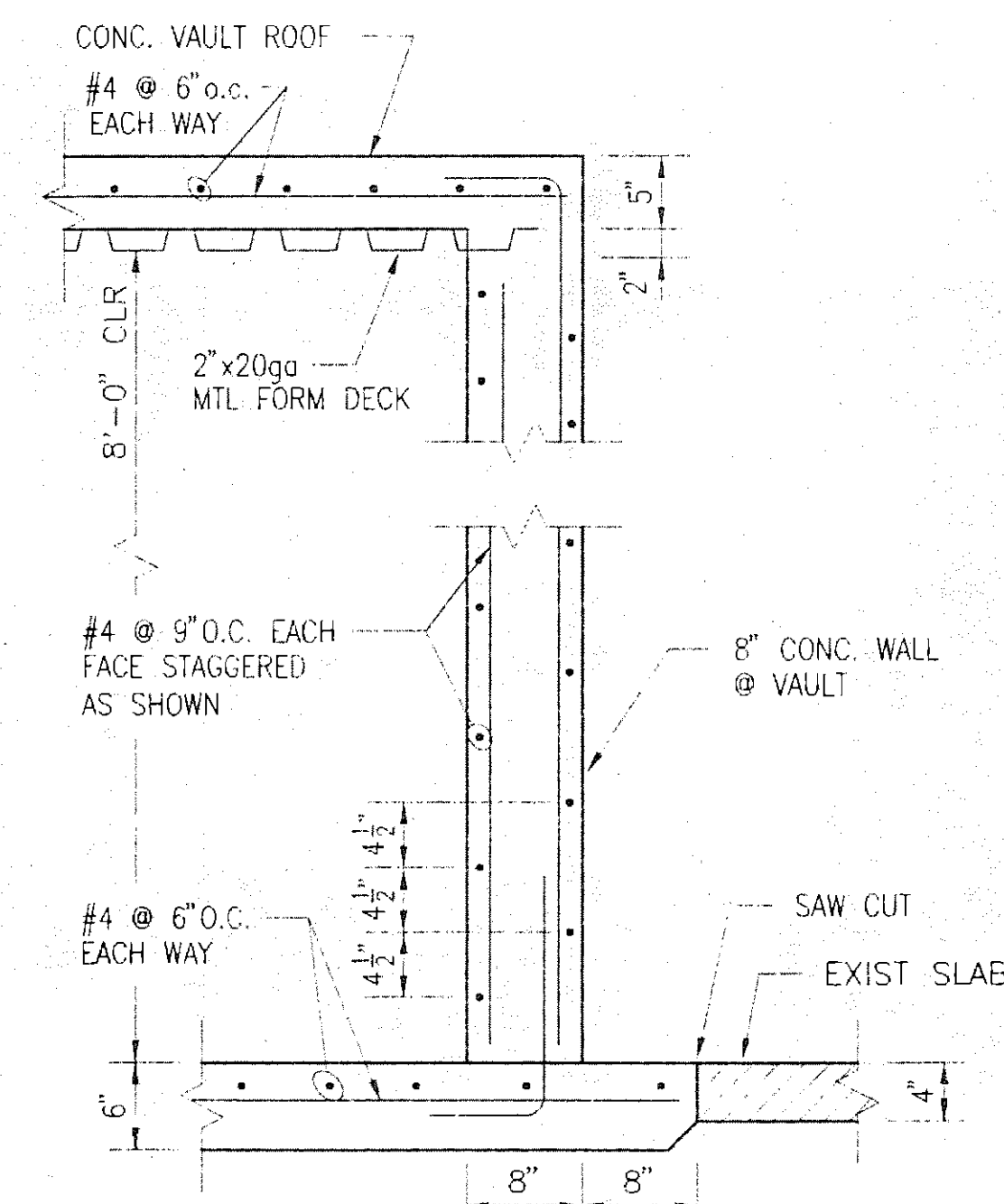
4 SECTION  
S2 S5 1" = 1'-0"



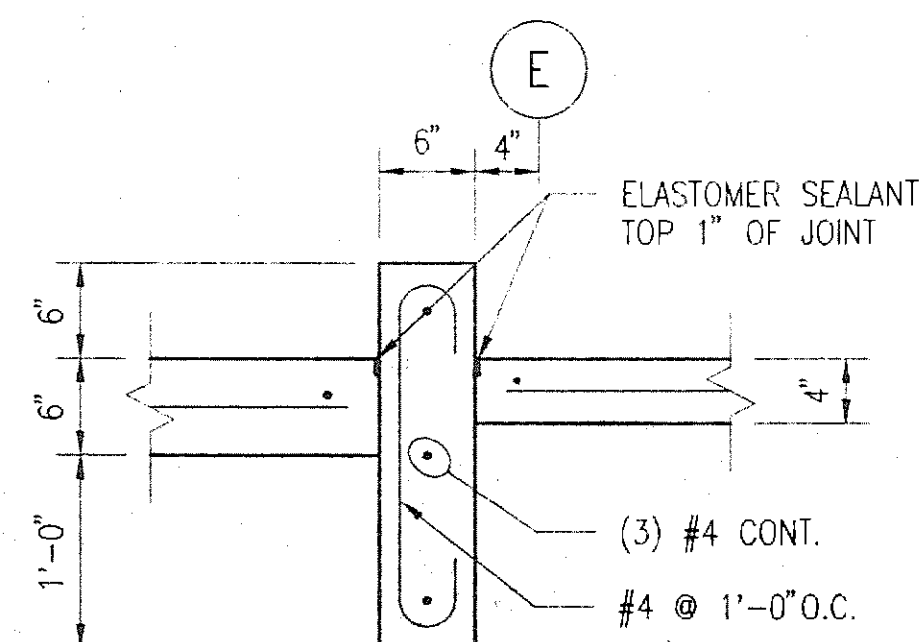
5 SECTION  
S2 S5 1" = 1'-0"



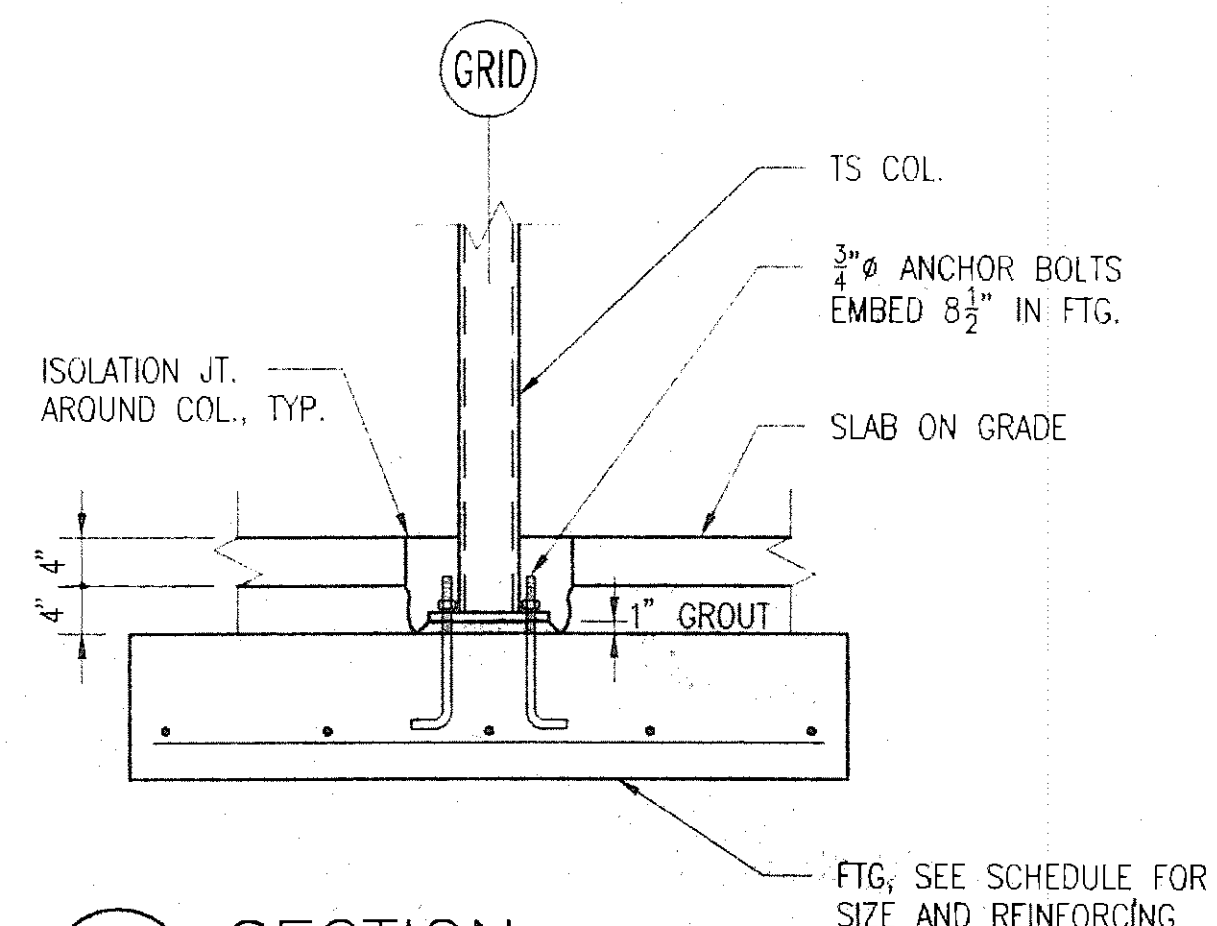
6 SECTION  
S2 S5 1" = 1'-0"



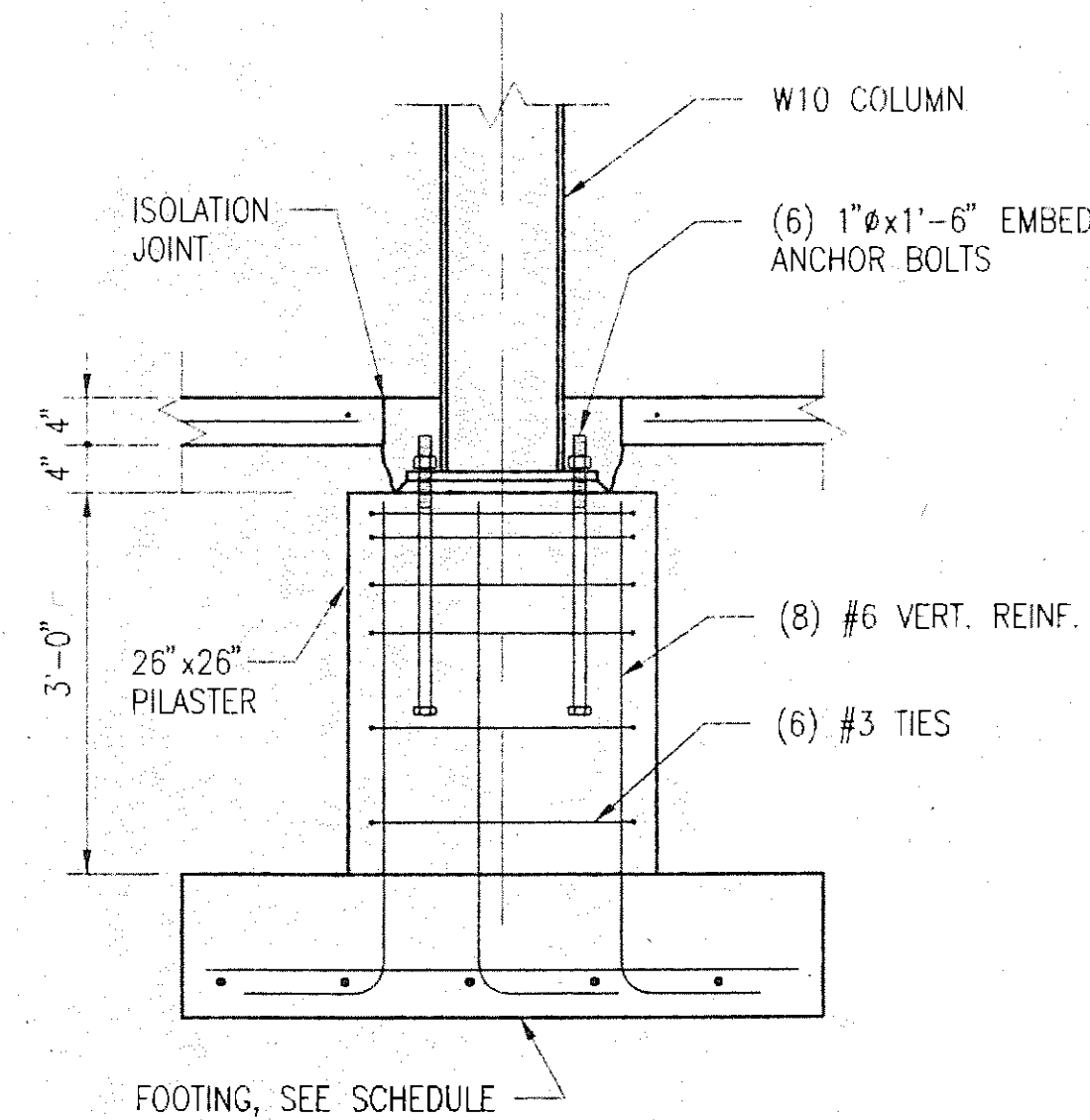
8 SECTION  
S4 S5 1" = 1'-0"



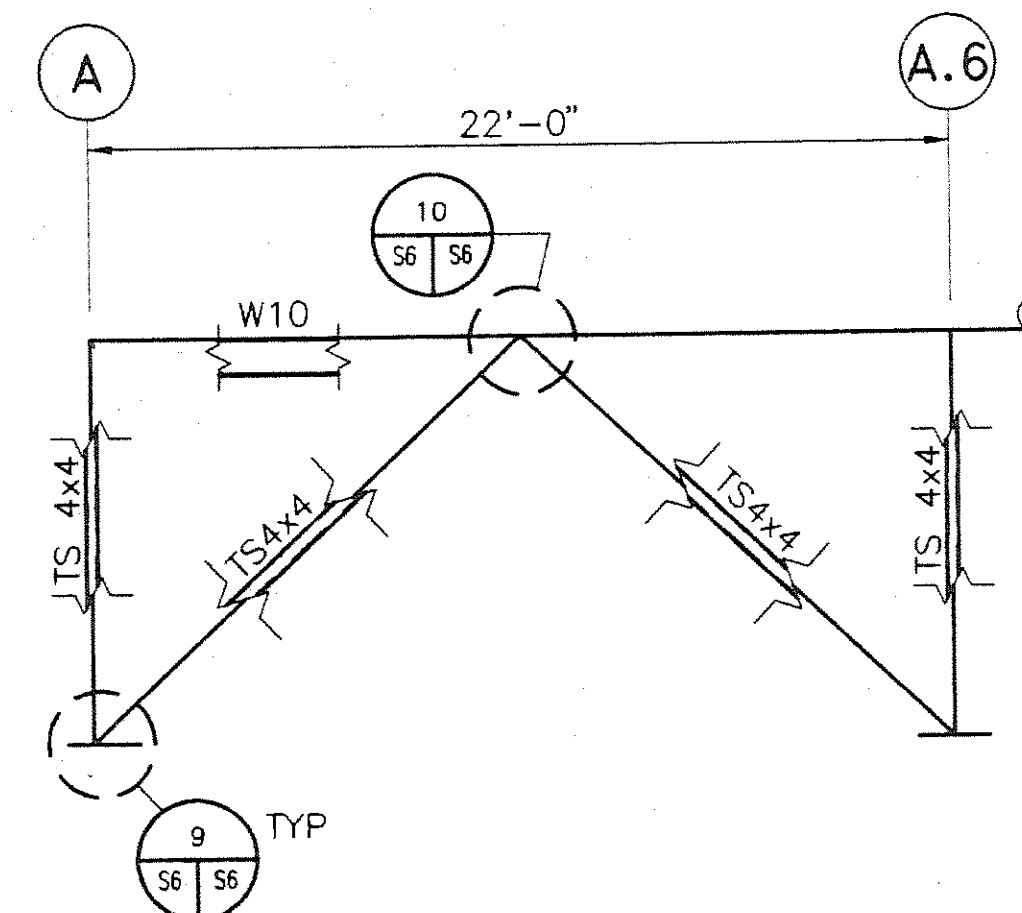
9 SECTION  
S2 S5 1" = 1'-0"



10 SECTION  
S2 S5 1" = 1'-0"

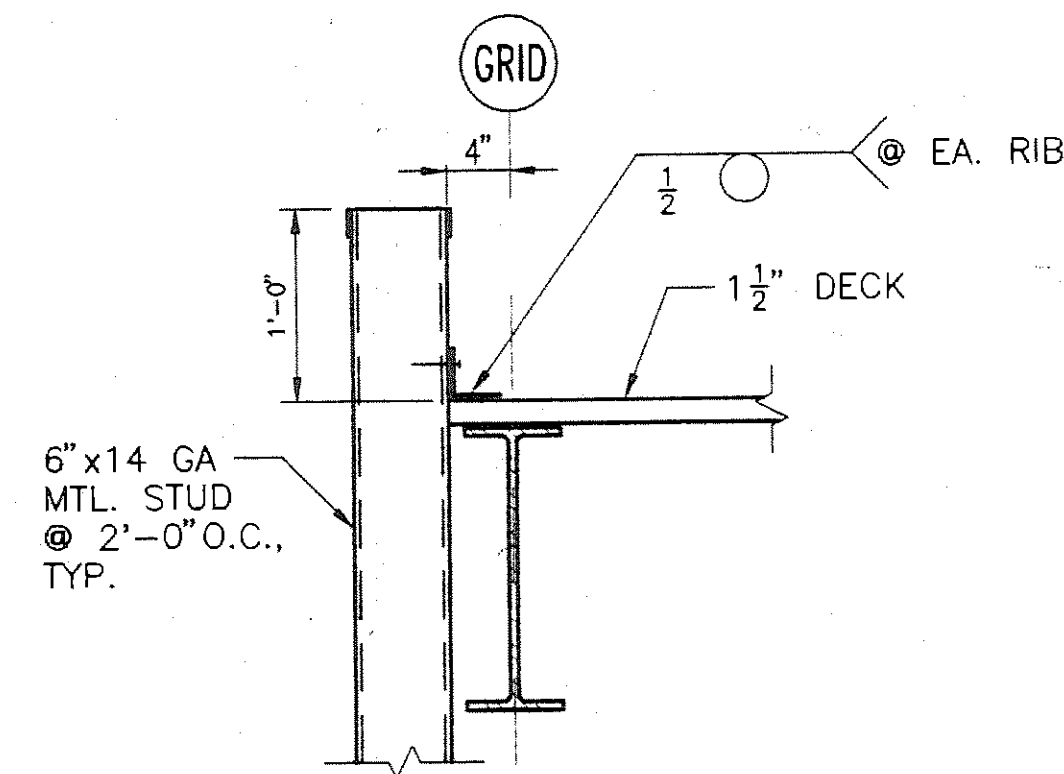


11 SECTION  
S2 S5 1" = 1'-0"



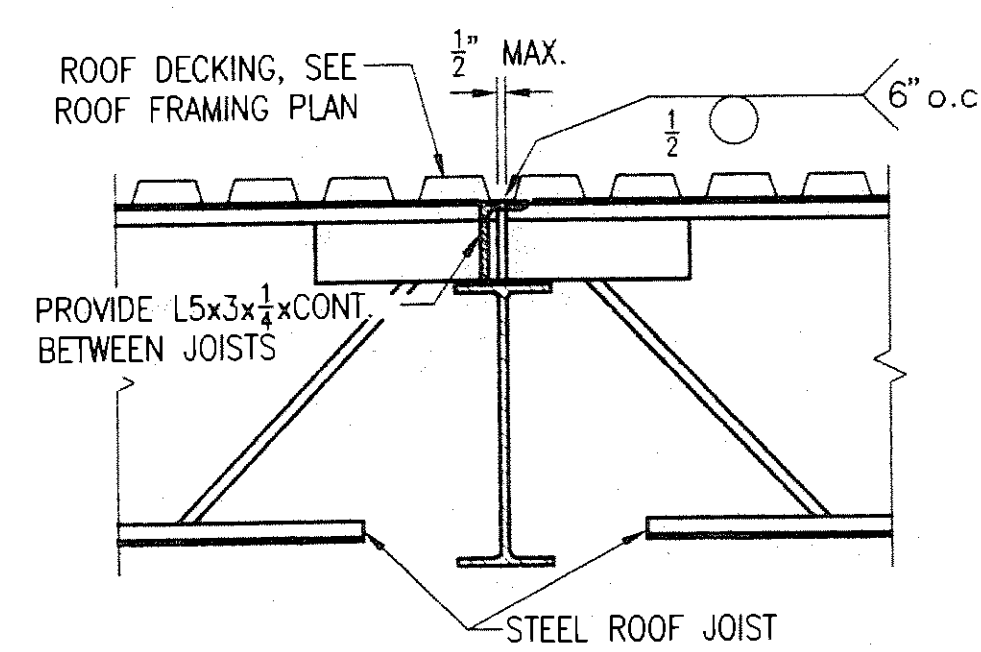
BRACED FRAME ELEV.  
ALONG GRID 7

1  
S3/S6  
1"=1'-0"



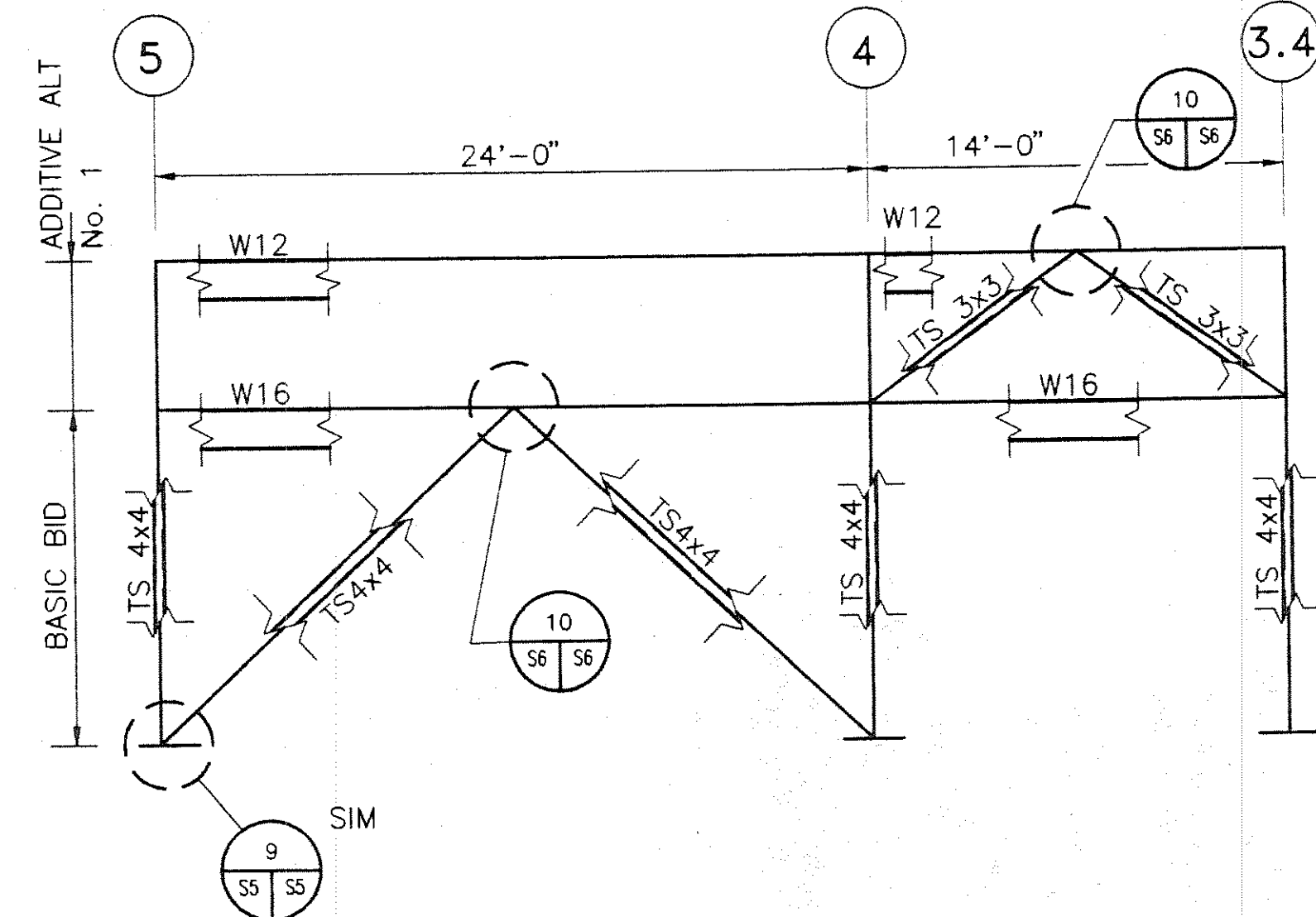
5 SECTION

S3/S6  
1"=1'-0"



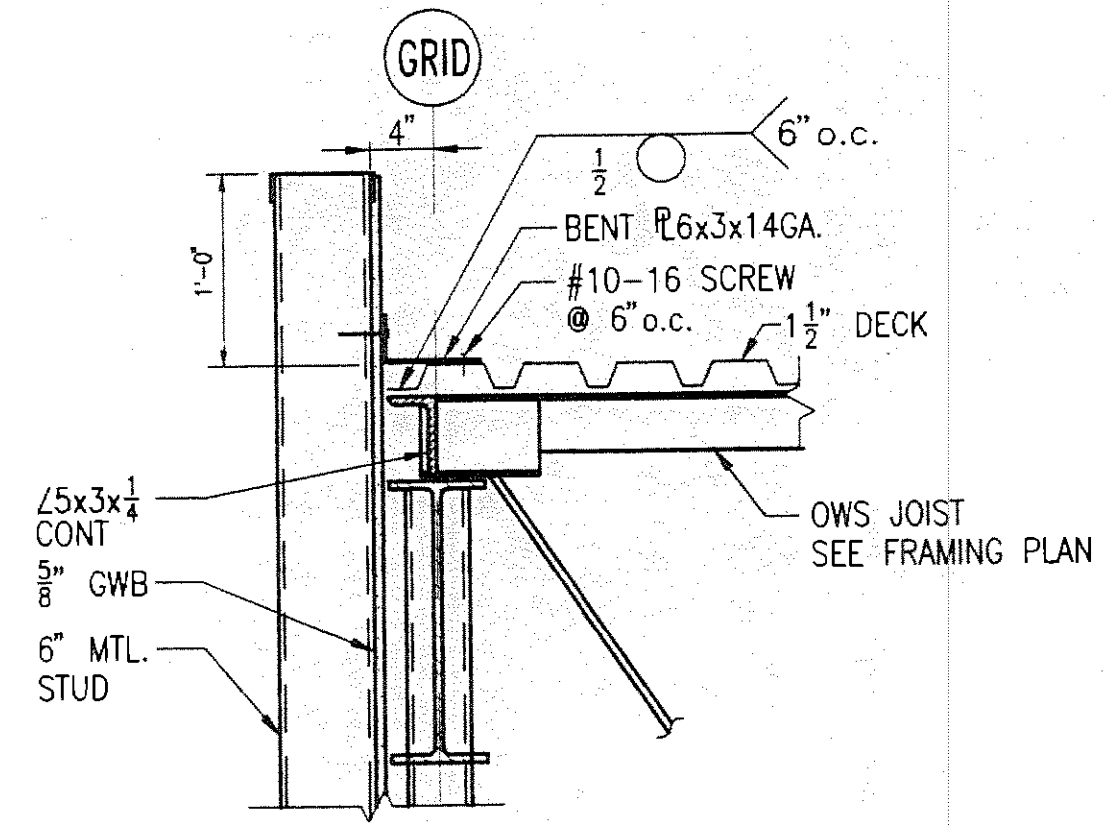
6 SECTION

S3/S6  
1"=1'-0"



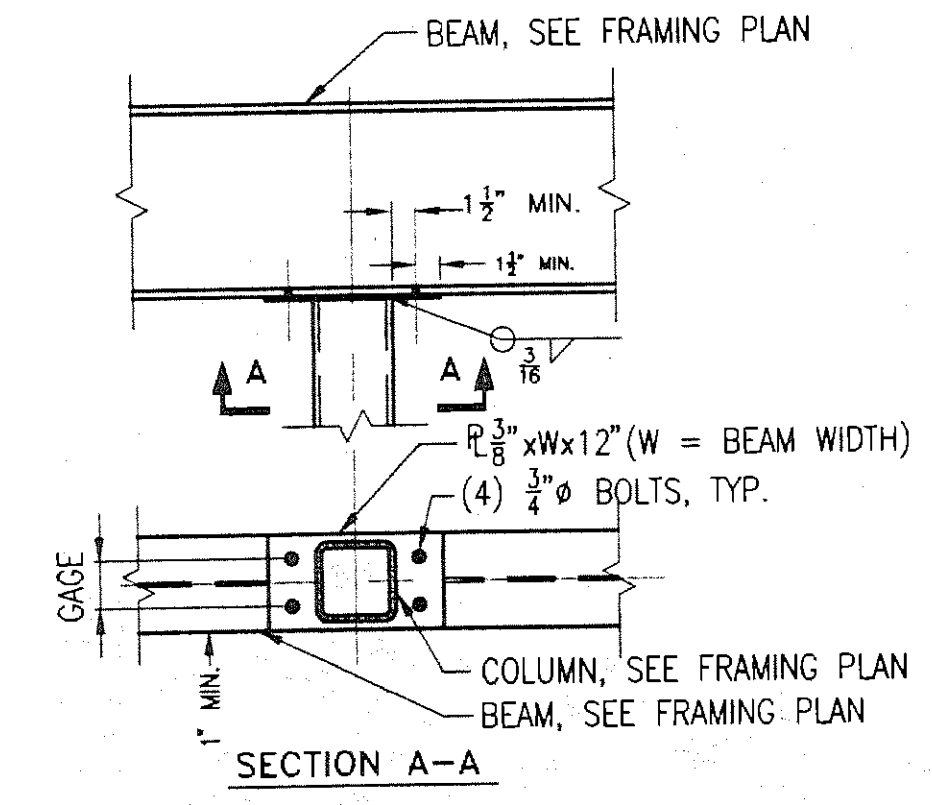
BRACED FRAME ELEV.  
ALONG GRID 'E'

2  
S3/S5  
1"=1'-0"



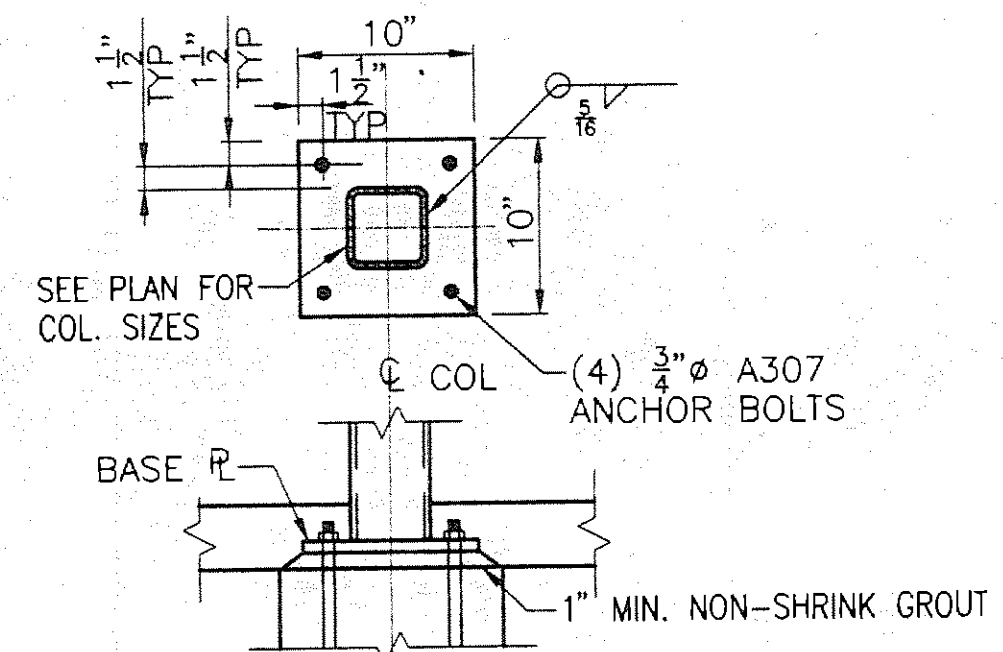
7 SECTION

S3/S6  
1"=1'-0"



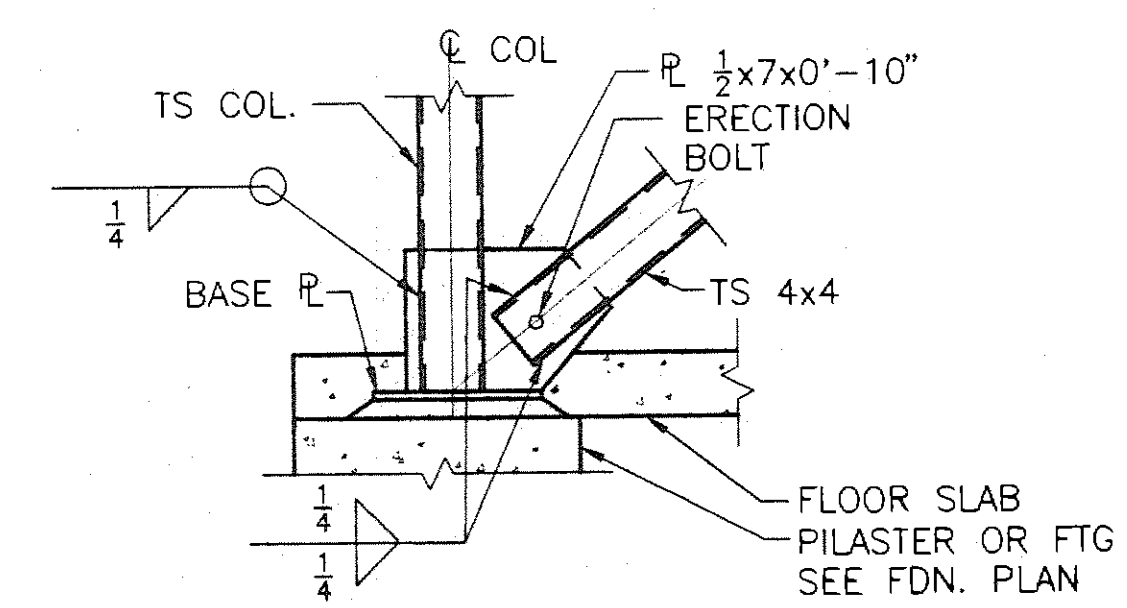
3 COLUMN CAP DETAIL

S3/S6  
1"=1'-0"



8 BASE PLATE DETAIL

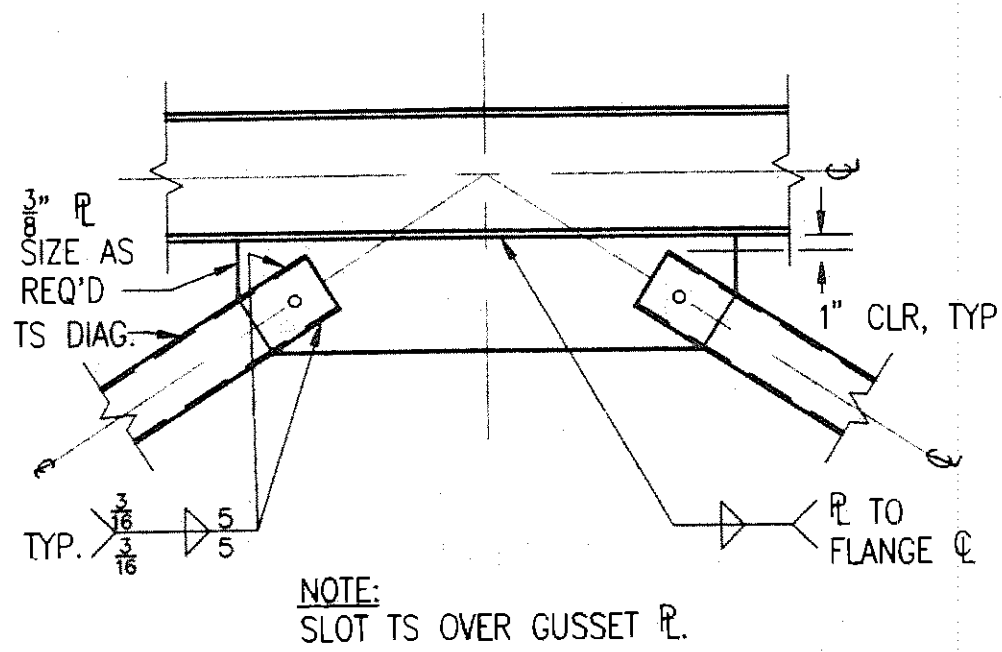
S4/S6  
1"=1'-0"



NOTE:  
SLOT TS COL. & BRACE OVER GUSSET P's.

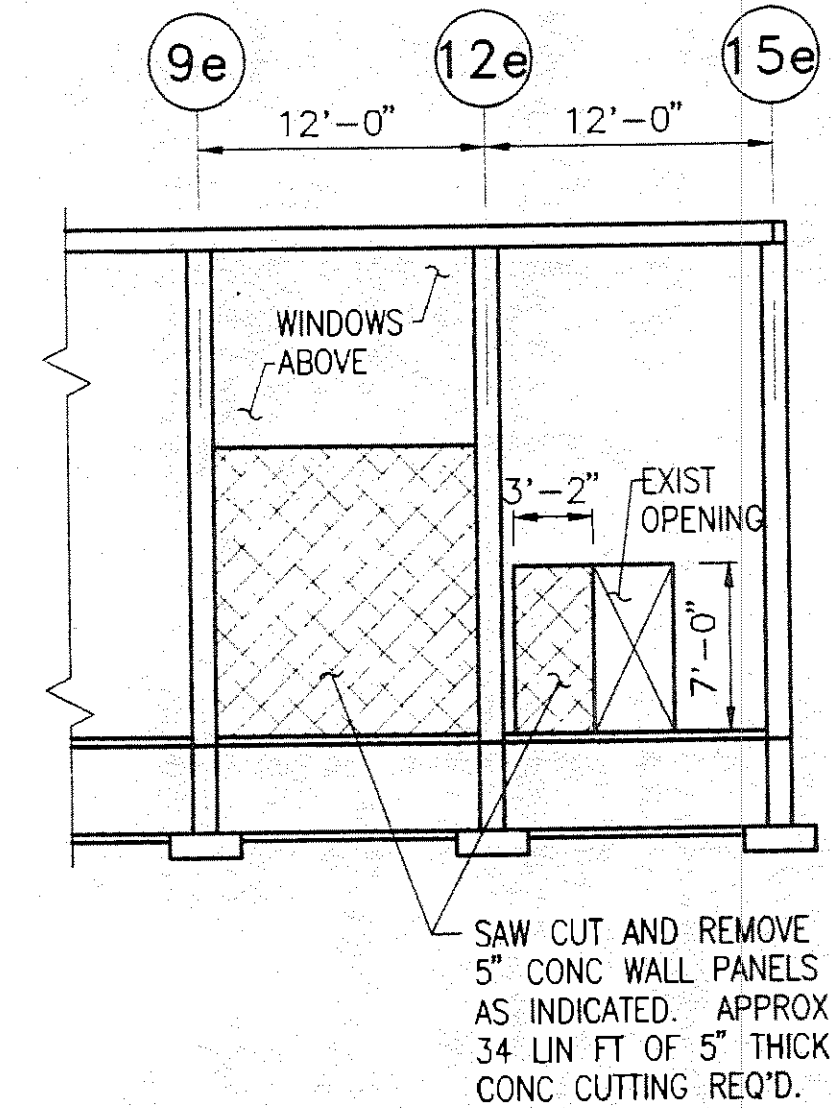
9 DETAIL

S6/S6  
1"=1'-0"



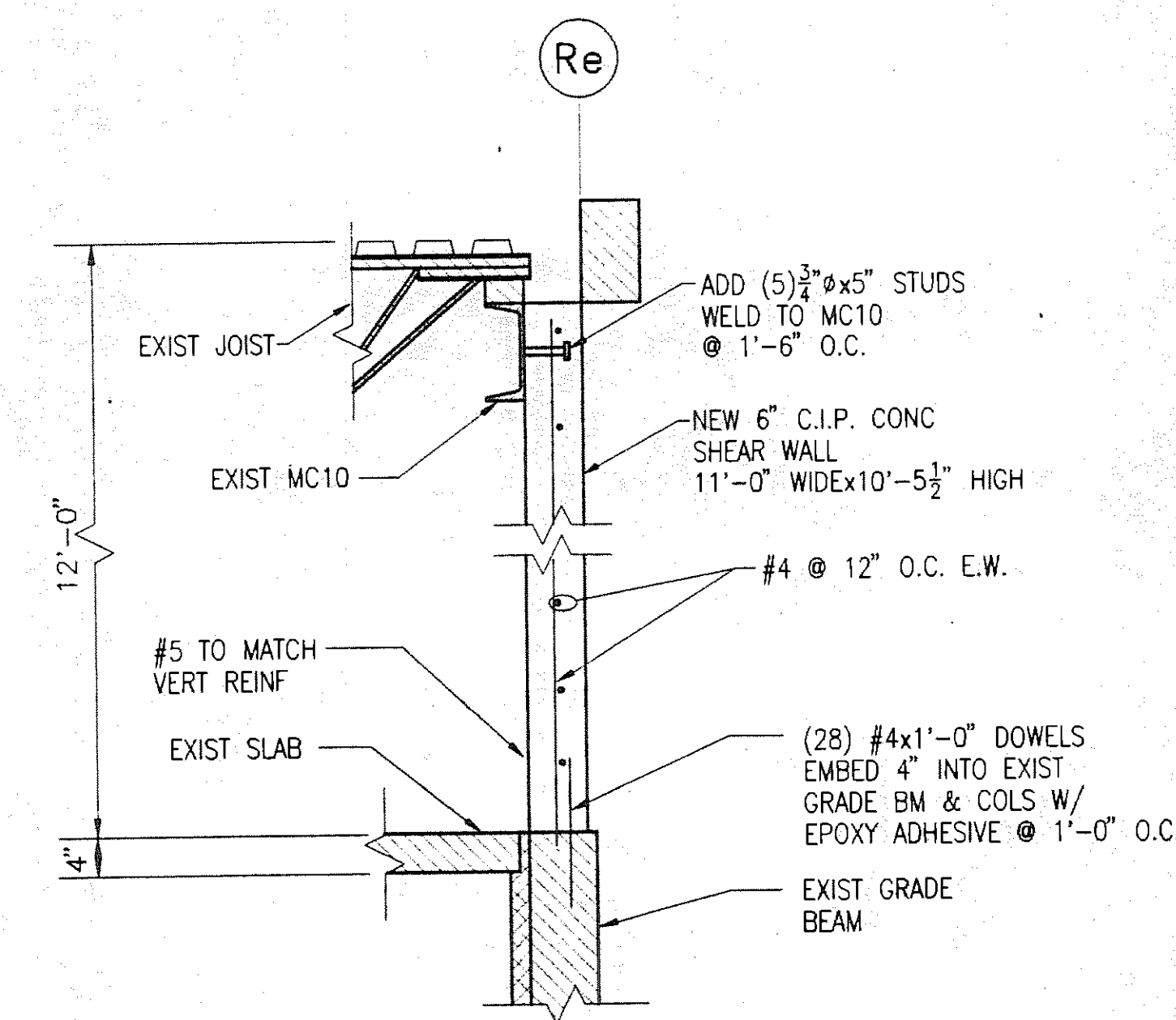
10 DETAIL

S6/S6  
1"=1'-0"



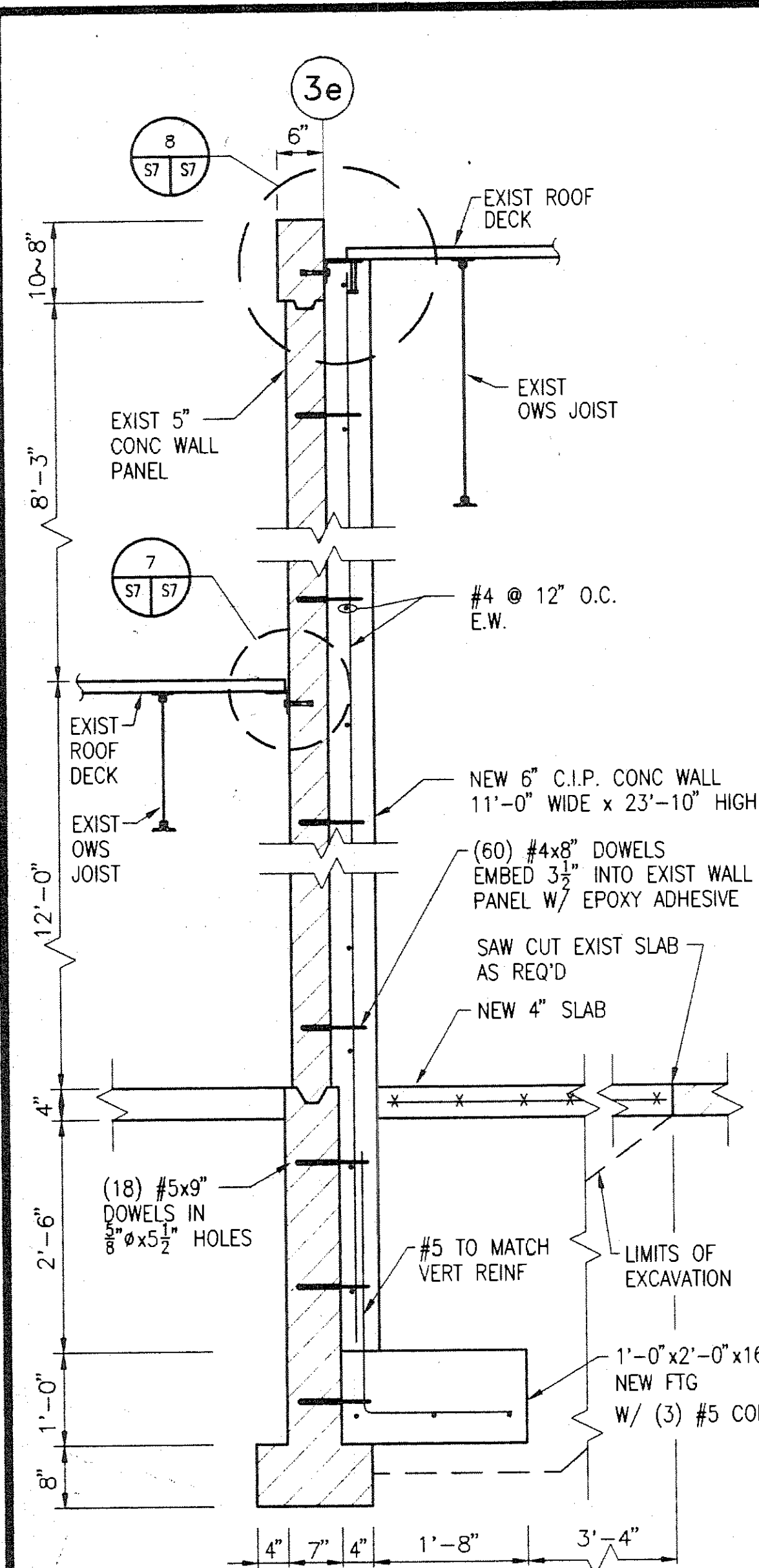
11 SECTION

S4/S6  
1/8"=1'-0"

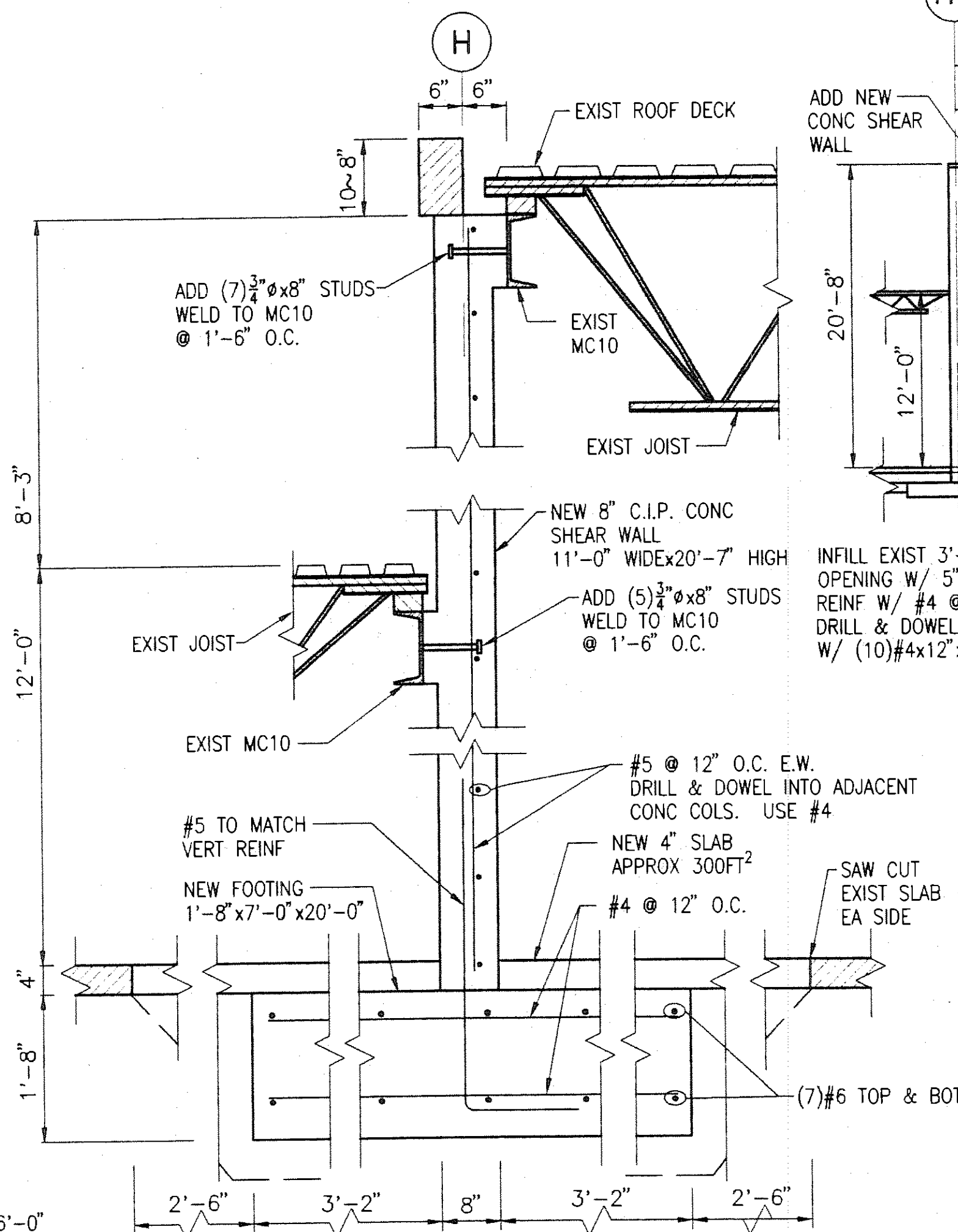


12 SECTION

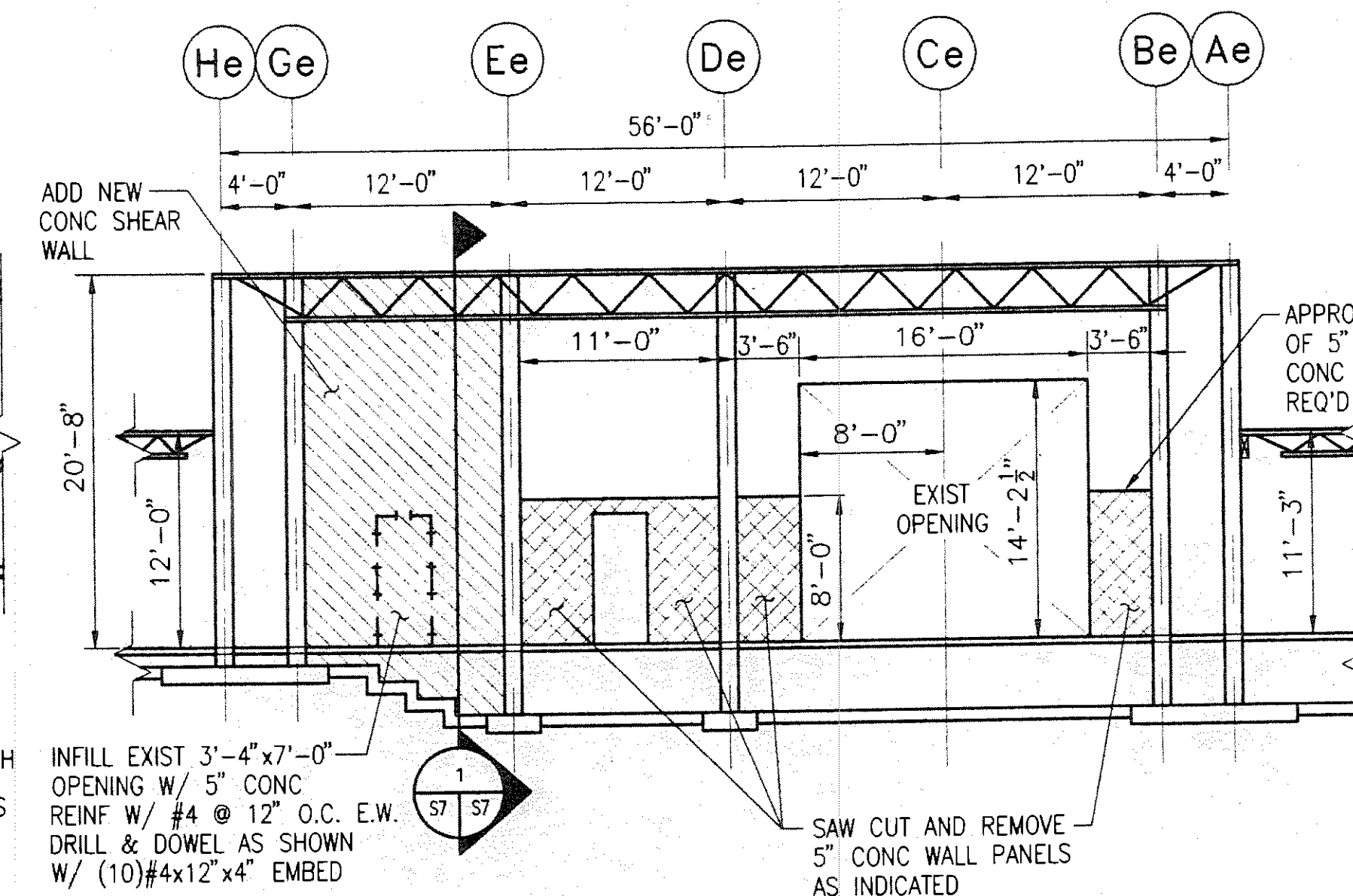
S4/S6  
3/4"=1'-0"



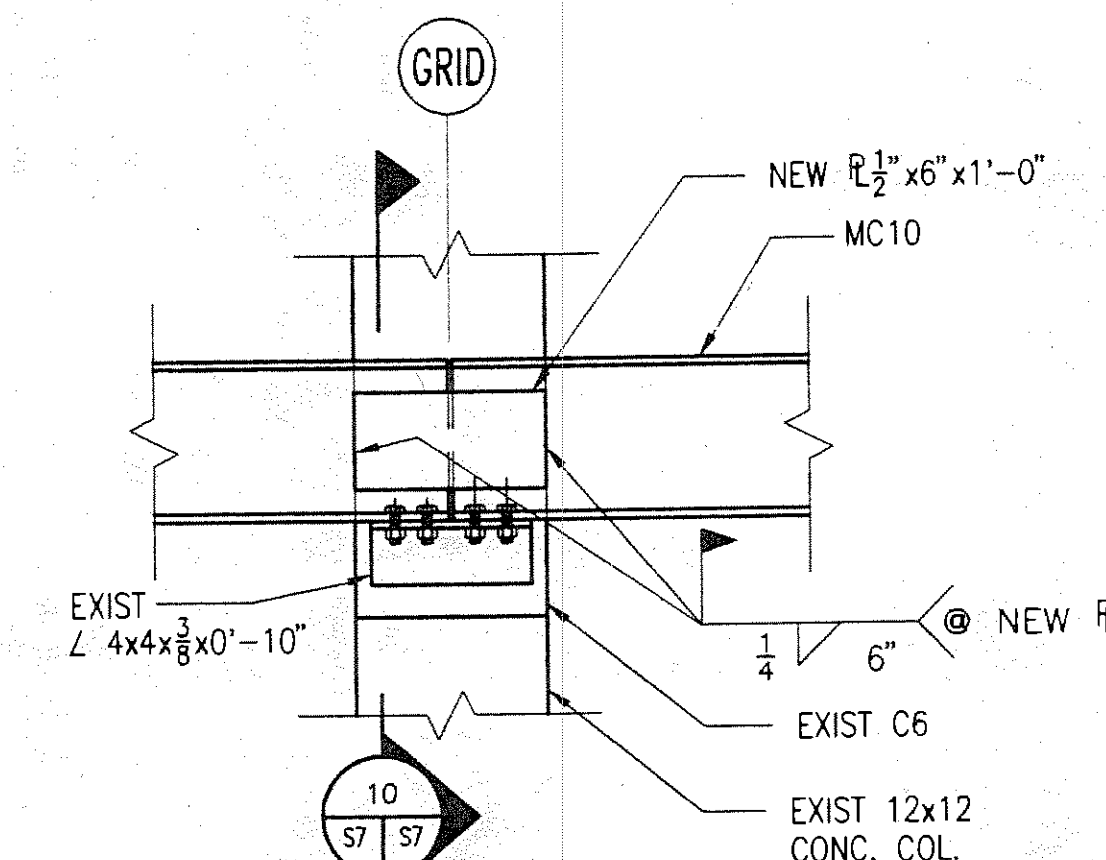
1 SECTION  
S2/S7  
S4/S7  
3/4" = 1'-0"



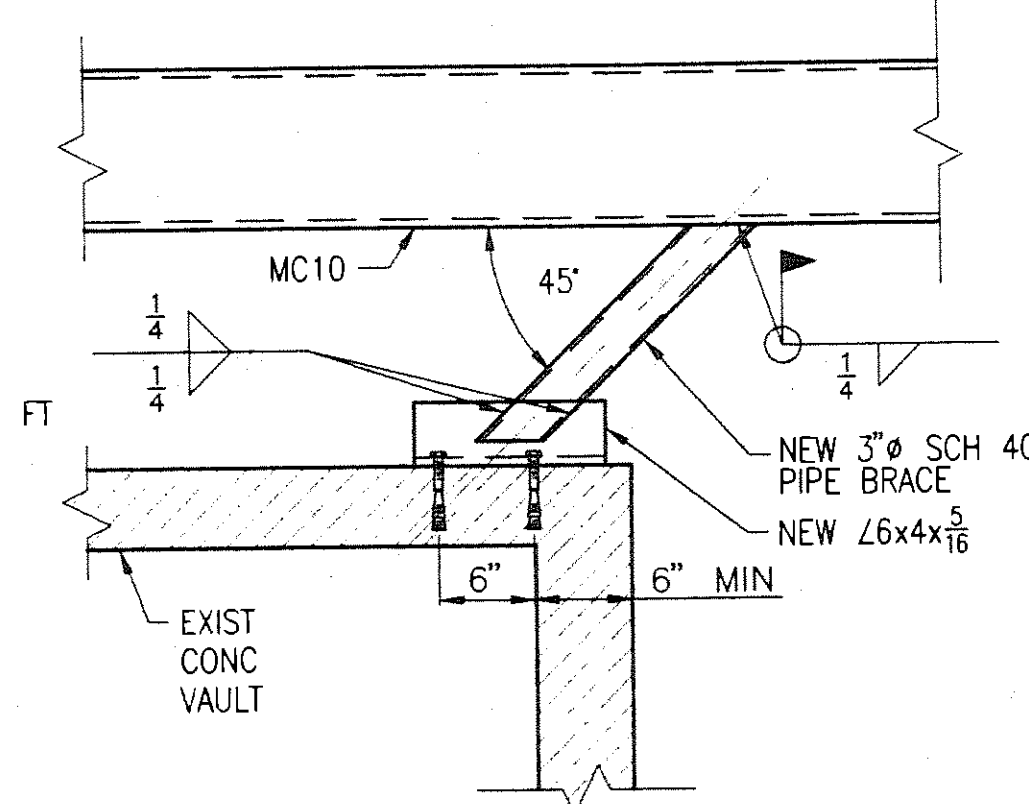
2 SECTION  
S4/S7  
3/4" = 1'-0"



3 SECTION  
S4/S7  
1/8" = 1'-0"

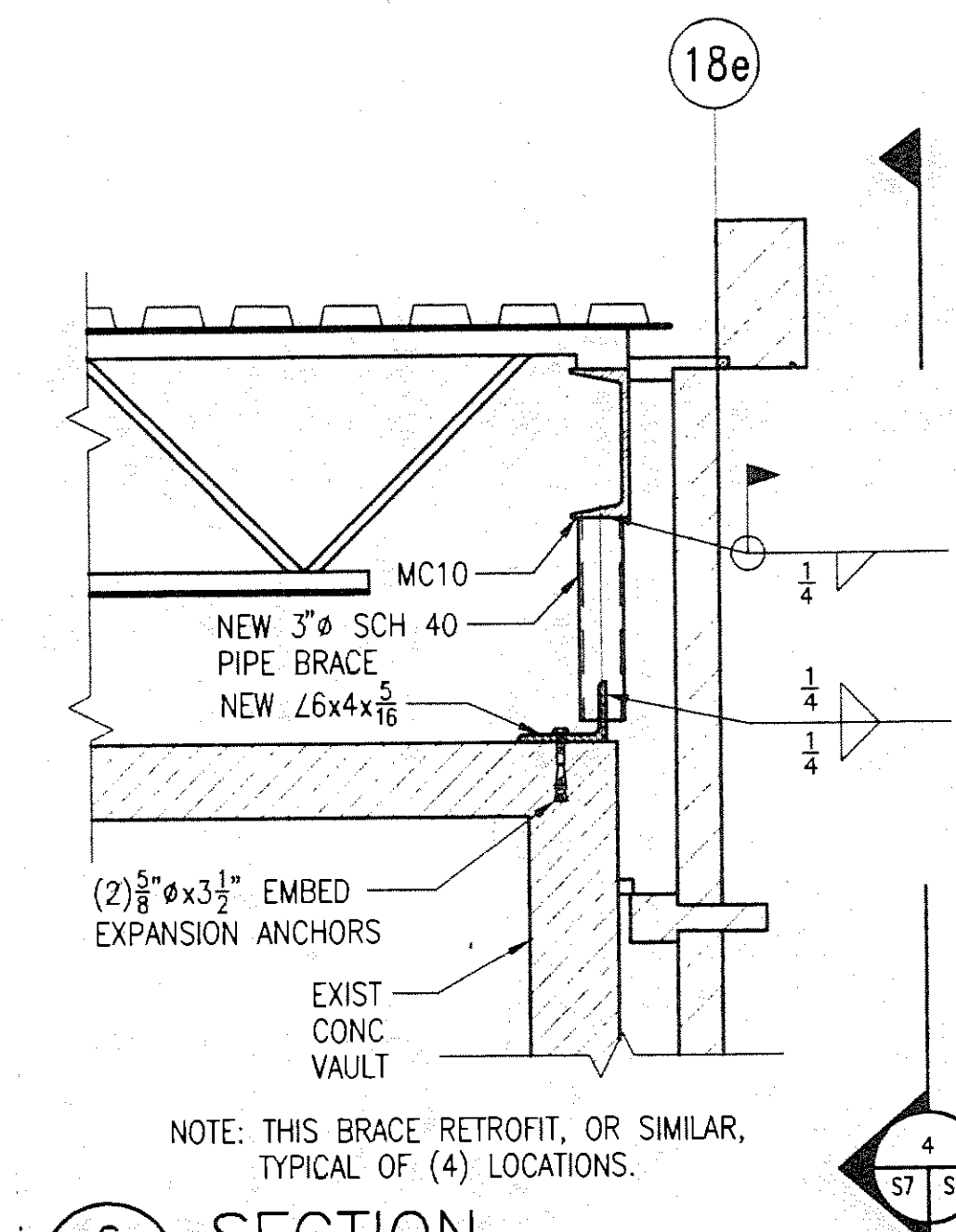


5 TIE PLATE DETAIL  
S4/S7  
1" = 1'-0"

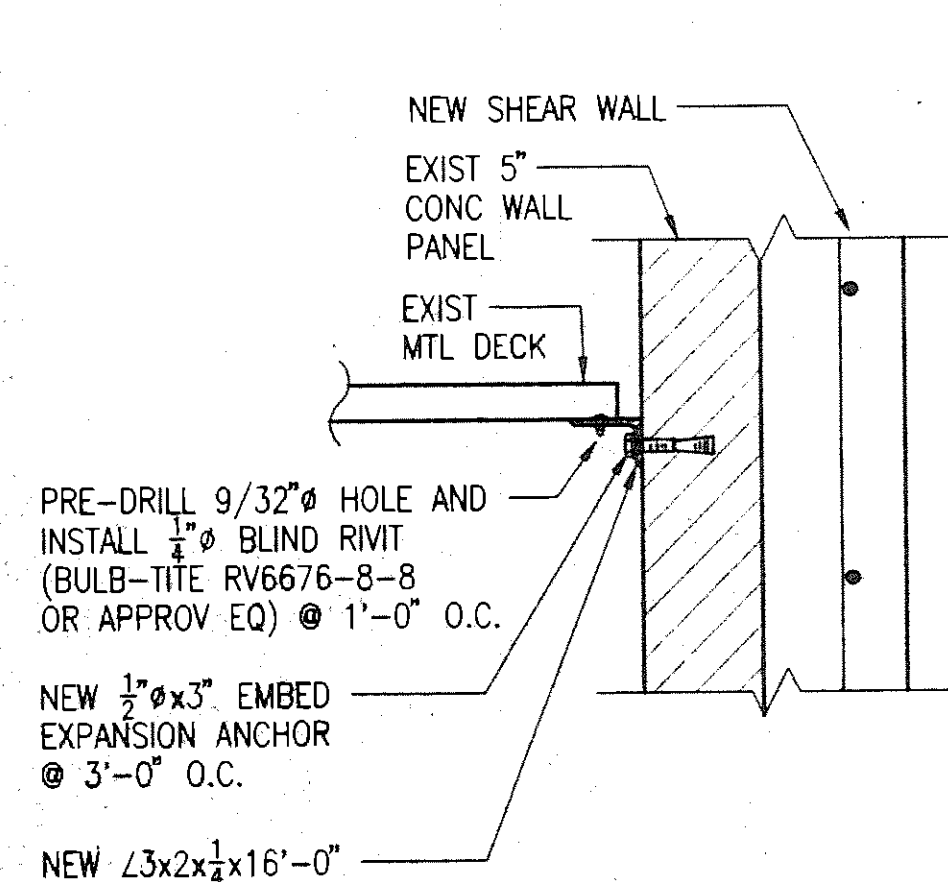


NOTE: ROOF FRAMING NOT SHOWN FOR CLARITY.

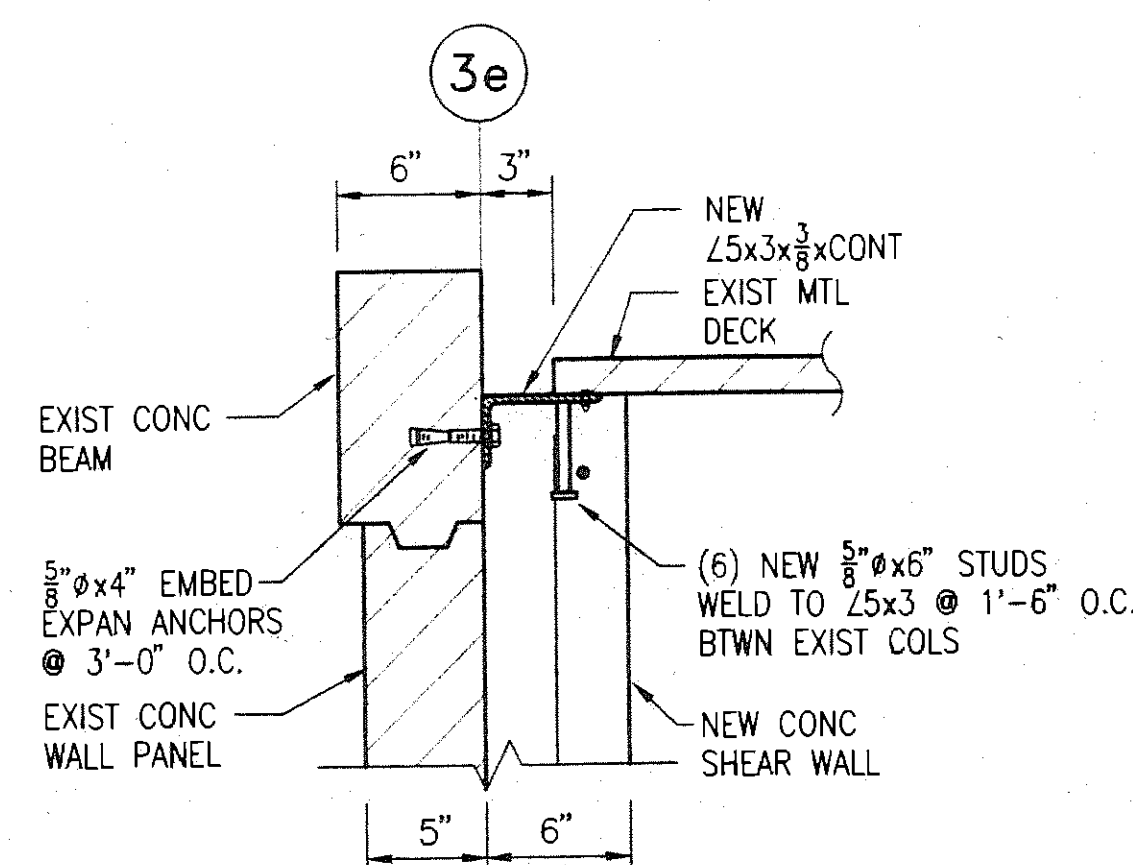
4 BRACE DETAIL  
S7/S7  
1" = 1'-0"



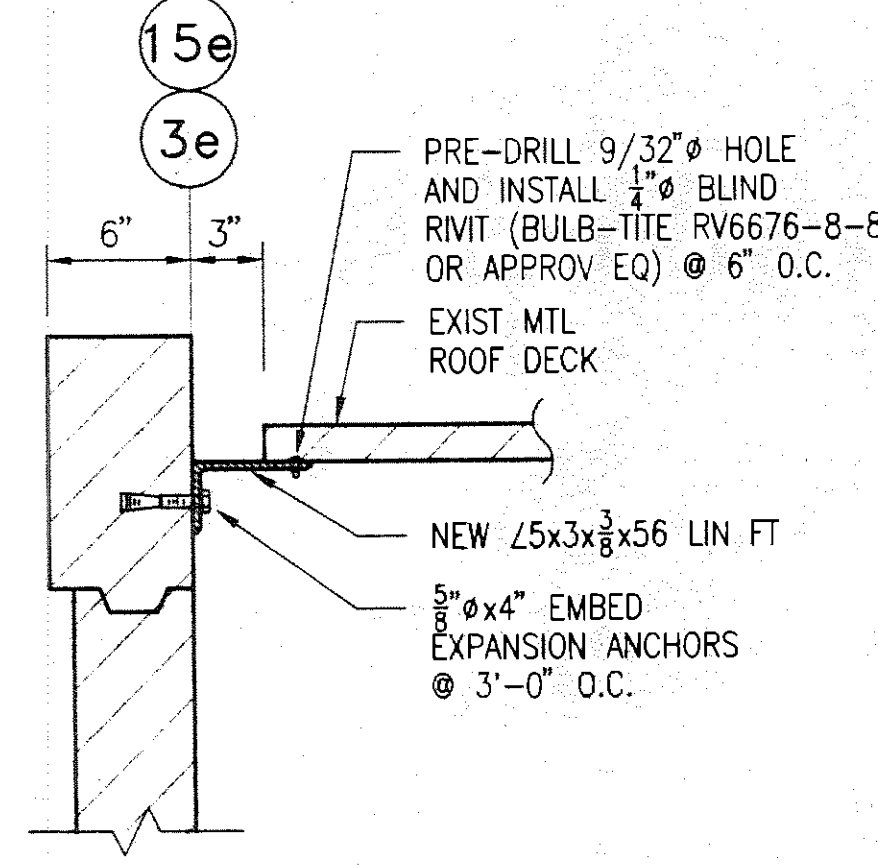
6 SECTION  
S4/S7  
1" = 1'-0"



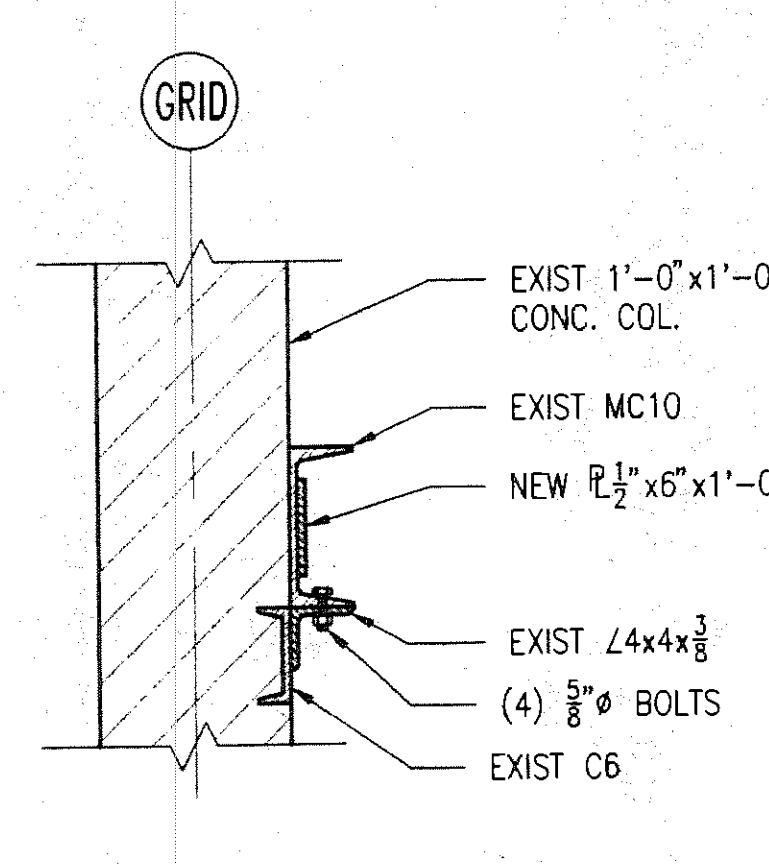
7 SECTION  
S7/S7  
1 1/2" = 1'-0"



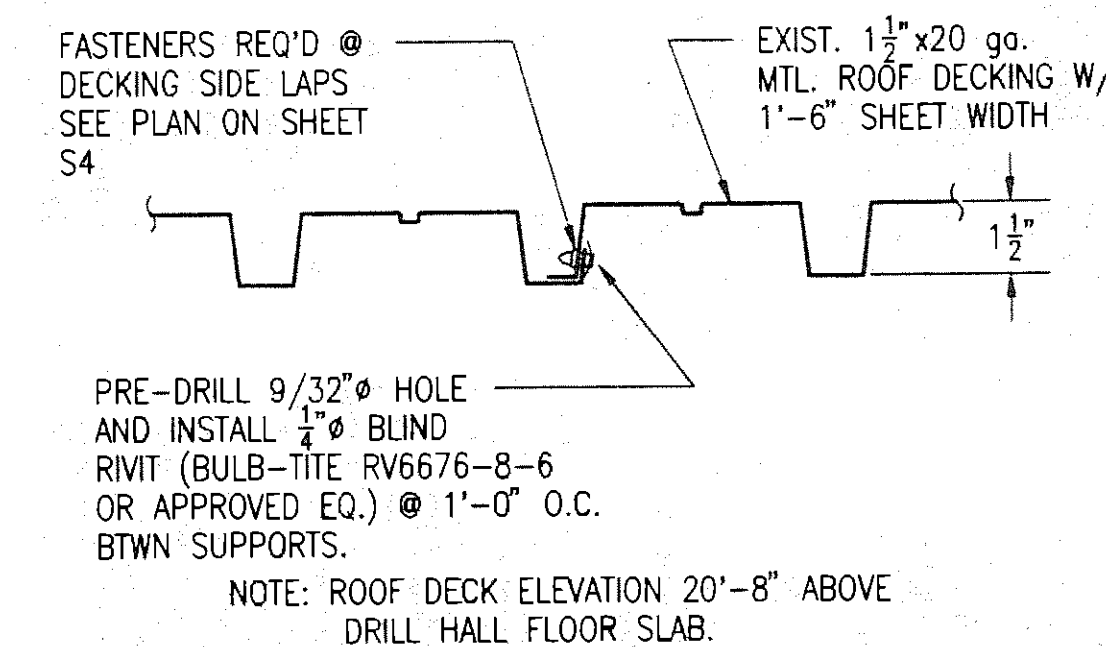
8 SECTION  
S7/S7  
1 1/2" = 1'-0"



9 SECTION  
S4/S7  
1 1/2" = 1'-0"



10 TIE PLATE SECTION  
S7/S7  
1" = 1'-0"



11 DETAIL  
S4/S7  
3" = 1'-0"

Loftus Engineering Associates, Inc.  
project management • structural engineering  
SUBCONSULTANTS:

FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 1/15/97  
drawn: VNG  
designed: PWR  
checked:  
revised:

SECTIONS & DETAILS FOR  
STRUCTURAL UPGRADES  
TO EXISTING BUILDING

sheet no.  
S7

## PLUMBING FIXTURE SCHEDULE

| SYMBOL | FIXTURE                         | CW  | HW/TW | WASTE | VENT  | TRAP  | BASIS OF DESIGN   | BASIC MODEL        | COLOR/FINISH | TRIM/REMARKS                                                    |
|--------|---------------------------------|-----|-------|-------|-------|-------|-------------------|--------------------|--------------|-----------------------------------------------------------------|
| P-1    | WATER CLOSET - FLOOR MOUNT - HC | 1/2 | ---   | 3     | 2     | ---   | AMERICAN STANDARD | 2108.700 CADET     | WHITE        | TANK LINER, LOCKING COVER, OLSONITE #95 SPLIT RIM SEAT          |
| P-2    | WATER CLOSET - FLOOR MOUNT      | 1/2 | ---   | 3     | 2     | ---   | AMERICAN STANDARD | 2812.700 NEW CADET | WHITE        | TANK LINER, LOCKING COVER, OLSONITE #95 SPLIT RIM SEAT          |
| P-3    | URINAL - HC                     | 3/4 | ---   | 2     | 1-1/2 | ---   | AMERICAN STANDARD | 6501.010 WASHBROOK | WHITE        | SLOAN ROYAL 186 FLUSH VALVE, WALL CARRIER FOR HC HEIGHT         |
| P-4    | URINAL                          | 3/4 | ---   | 2     | 1-1/2 | ---   | AMERICAN STANDARD | 6501.010 WASHBROOK | WHITE        | SLOAN ROYAL 186 FLUSH VALVE, WALL CARRIER                       |
| P-5    | LAVATORY - COUNTER MOUNT        | 1/2 | 1/2   | 1-1/2 | 1-1/4 | 1-1/4 | AMERICAN STANDARD | 0476.028 AQUALYN   | WHITE        | DELTA FAUCET 520 WF HDF W/ POP-UP DRAIN                         |
| P-6    | SHOWER COLUMN                   | 3/4 | 3/4   | 3     | 2     | 2     | ACORN             | CAPITAL 747-B15-SC | STAINLESS    | METER-MATIC VALVE, SUPPLY COVER                                 |
| P-7    | SHOWER COLUMN - HC              | 3/4 | 3/4   | 3     | 2     | 2     | ACORN             | CAPITAL 762-B15-HC | STAINLESS    | SAFTI-TROL HOT AND COLD TEMPERATURE BALANCING VALVE             |
| P-8    | SHOWER                          | 1/2 | 1/2   | ---   | ---   | ---   | ACORN             | APEX 455-W-D       | STAINLESS    | SURFACE MOUNT, FLO-CLOZ SINGLE TEMPERATURE VALVE, SOAP DISH     |
| P-9    | SHOWER - HC                     | 1/2 | 1/2   | ---   | ---   | ---   | ACORN             | APEX 453-W-HC      | STAINLESS    | SURFACE MOUNT, SAFTI-THERM HOT AND COLD TEMP. BALANCING VALVE   |
| P-10   | SINK - FOUR COMPARTMENT         | 3/4 | 3/4   | 2     | 1-1/2 | 2     | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| P-11   | SINK - DOUBLE COMPARTMENT       | 1/2 | 1/2   | 1-1/2 | ---   | 1-1/2 | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| P-12   | HAND SINK                       | 1/2 | 1/2   | 1-1/2 | 1-1/4 | 1-1/4 | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| P-13   | PRE-RINSE SPRAY                 | 1/2 | 1/2   | 1-1/2 | 1-1/4 | 1-1/2 | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| P-14   | SINK - SINGLE COMPARTMENT       | 1/2 | 1/2   | 1-1/2 | 1-1/4 | 1-1/2 | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| P-15   | DRINKING FOUNTAIN - HC          | 1/2 | ---   | 1-1/2 | 1-1/2 | 1-1/2 | ---               | ---                | ---          | TO BE PROVIDED BY KITCHEN CONTRACTOR                            |
| TV-1   | TEMPERING VALVE                 | 1/2 | 1/2   | ---   | ---   | ---   | HAMS              | 2405               | STAINLESS    | FRONT PUSH BAR                                                  |
| HB-1   | HOSE BIBB                       | --- | 3/4   | ---   | ---   | ---   | POWERS            | T428               | ---          | 3 PORT VALVE                                                    |
| QI-1   | OIL INTERCEPTOR                 | --- | ---   | 3     | 3     | 2     | WOODFORD          | MODEL 24           | ---          | VACUUM BREAKER                                                  |
| FD-1   | FLOOR DRAIN                     | --- | ---   | 2     | 1-1/2 | 2     | ROCKFORD          | OST-5630           | ---          | DOUBLE WALL, 50 GPM INTERMITTENT FLOW, 75 GAL. HOLDING CAPACITY |
| FS-1   | FLOOR SINK                      | --- | ---   | 2     | 1-1/2 | 2     | J.R. SMITH        | 2005-B             | ---          | SQUARE TOP                                                      |
| GT-1   | GREASE TRAP                     | --- | ---   | 3     | 2     | ---   | J.R. SMITH        | 3130Y-13           | ---          | WITH NB RIM AND 3/4 GRATE                                       |
|        |                                 | --- | ---   | 3     | 2     | ---   | J.R. SMITH        | 8020               | ---          | FLOW CONTROL FITTING                                            |

## HOT WATER GENERATOR SCHEDULE

| SYMBOL | MFGR/MODEL                  | STORAGE CAP. GAL. | WATER |     |     | BOILER |     |     | HEAT COIL AREA | REMARKS |
|--------|-----------------------------|-------------------|-------|-----|-----|--------|-----|-----|----------------|---------|
|        |                             |                   | GPM   | EWT | LWT | GPM    | EGT | LGT |                |         |
| HWG-1  | ACE BUEHLER/PVG305-A-1272-S | 190               | 40    | 40  | 140 | 140    | 190 | 170 | 135 SQ FT      |         |
| HWG-2  | ACE BUEHLER/PVG305-A-1272-S | 190               | 40    | 40  | 140 | 140    | 190 | 170 | 135 SQ FT      |         |

## TANK SCHEDULE

| SYMBOL | MFGR/MODEL           | FUNCTION                  | MEDIUM   | MATERIAL | TANK VOLUME TOTAL (GAL) | ACCEPTANCE (GAL) | DIMENSIONS  | LABEL | REMARKS                              |
|--------|----------------------|---------------------------|----------|----------|-------------------------|------------------|-------------|-------|--------------------------------------|
| ET-1   | AMTROL/AX-144V       | HYDRONIC SYSTEM EXPANSION | 50% P.G. | STEEL    | 77.0                    | 34.0             | 24" x 41" H | ASME  |                                      |
| ET-2   | AMTROL/ST-30V        | DOMESTIC HOT WATER        | WATER    | STEEL    | 14.0                    | ---              | 15" x 24" H | ---   |                                      |
| DT-1   | SIMPLEX/SST 100      | FUEL STORAGE              | FUEL OIL | STEEL    | 100.0                   | ---              | ---         | UL    | STANDARD FUEL PUMP AND CONTROL PANEL |
| GT-1   | ACE TANK/AC00032N1V2 | GLYCOL MIX                | 50% P.G. | STEEL    | 32.0                    | ---              | 21" x 22" H | ---   |                                      |

## PUMP SCHEDULE

| SYMBOL | MFGR/MODEL          | FUNCTION        | PUMPED MEDIUM | GPM | HEAD FT. | RPM  | MOTOR DATA HP/VOLTS/PH | REMARKS        |
|--------|---------------------|-----------------|---------------|-----|----------|------|------------------------|----------------|
| CP-1   | GRUNDFOS/UPC 80-160 | HEATING COILS   | 50% P.G.      | 115 | 39       | 2540 | 2/208/3                | SET ON SPEED 3 |
| CP-2   | GRUNDFOS/UPC 80-160 | PERIMETER HEAT  | 50% P.G.      | 57  | 48       | 3370 | 2/208/3                | SET ON SPEED 3 |
| CP-3   | GRUNDFOS/UPC 80-160 | BACKUP          | 50% P.G.      | 57  | 48       | 3370 | 2/208/3                | SET ON SPEED 3 |
| CP-4   | GRUNDFOS/15-42SU    | HOT WATER CIRC. | WATER         | 2   | 11       |      | 1/25/115/1             |                |

## BOILER SCHEDULE

| SYMBOL | MFGR/MODEL      | HEATED MEDIUM | FUEL           | GROSS INPUT | GROSS I-B-R OUTPUT (MBH) | BURNER HP/VOLTS/PH | REMARKS |
|--------|-----------------|---------------|----------------|-------------|--------------------------|--------------------|---------|
| B-1    | WEIL-McLAIN/788 | 50% P.G.      | No. 2 FUEL OIL | 2049        | 1632                     |                    |         |
| B-2    | WEIL-McLAIN/788 | 50% P.G.      | No. 2 FUEL OIL | 2049        | 1632                     |                    |         |
| B-3    | WEIL-McLAIN/788 | 50% P.G.      | No. 2 FUEL OIL | 2049        | 1632                     |                    |         |

## RADIATION SCHEDULE

| SYMBOL | MFGR/MODEL     | # ROWS | ELEMENT                 | FPF | ENCLOSURE                | GPM      | MEDIUM   | EGT DEG F | LGT DEG F | EAT DEG F | BTUH/LF | REMARKS |
|--------|----------------|--------|-------------------------|-----|--------------------------|----------|----------|-----------|-----------|-----------|---------|---------|
| FT-1   | STERLING/JVB-T | 1      | COPPER, 4-1/4" x 3-5/8" | 40  | 24B, 28" MOUNTING HEIGHT | PER DWGS | 50% P.G. | 190       | 170       | 65        | 1170    |         |
| FT-2   | STERLING/JVB-T | 1      | COPPER, 4-1/4" x 3-5/8" | 50  | 24B, 28" MOUNTING HEIGHT | PER DWGS | 50% P.G. | 190       | 170       | 65        | 1350    |         |

## UNIT HEATER SCHEDULE

| SYMBOL | MFGR/MODEL   | CAPACITY MBH | GPM | MEDIUM   | EGT DEG F | LGT DEG F | WPD FT HD | CFM | RPM  | MOTOR DATA HP/VOLTS/PH | REMARKS                            |
|--------|--------------|--------------|-----|----------|-----------|-----------|-----------|-----|------|------------------------|------------------------------------|
| UH-1   | MODINE/HS-63 | 47           | 5.6 | 50% P.G. | 190       | 170       | <3'       | 680 | 1550 | .08/115/1              |                                    |
| UH-2   | MODINE/HS-63 | 47           | 5.6 | 50% P.G. | 190       | 170       | <3'       | 680 | 1550 | .08/115/1              |                                    |
| UH-3   | MODINE/HS-18 | 12.8         | 1.6 | 50% P.G. | 190       | 170       | <3'       | 340 | 1550 | FRACT/115/1            |                                    |
| UH-4   | MODINE/HS-63 | 47           | 5.6 | 50% P.G. | 190       | 170       | <3'       | 680 | 1550 | .08/115/1              |                                    |
| UH-5   | MODINE/HS-63 | 47           | 5.6 | 50% P.G. | 190       | 170       | <3'       | 680 | 1550 | .08/115/1              |                                    |
| CUH-1  | TRANE/FF02E  | 14.4         | 2.0 | 50% P.G. | 190       | 170       | <3'       | 212 | 1550 | .03/115/1              | HORIZONTAL RECESSED, CEILING MOUNT |

## HEATING COIL SCHEDULE

| SYMBOL | MFGR/MODEL           | LOCATION | SIZE | CFM    | AIR P.D. IN. WC. | FACE VEL. FPM | EAT DEG F | LAT DEG F | GPM | MEDIUM   | EGT DEG F | LGT DEG F | WPD FT HD | REMARKS |
|--------|----------------------|----------|------|--------|------------------|---------------|-----------|-----------|-----|----------|-----------|-----------|-----------|---------|
| HC-1   | TRANE/AHU-1          |          |      | 11,070 | < 0.2            | < 700         | 45        | 75        | 27  | 50% P.G. | 190       | 160       | < 3'      |         |
| HC-2   | TRANE/AHU-2          |          |      | 4,450  | < 0.2            | < 700         | 40        | 70        | 11  | 50% P.G. | 190       | 160       | < 3'      |         |
| PHC-2  | TRANE/AHU-2          |          |      | 4,450  | < 0.2            | < 700         | -60       | 40        | 37  | 50% P.G. | 190       | 160       | < 3'      |         |
| HC-3   | TRANE/AHU-3          |          |      | 1,620  | < 0.2            | < 700         | -60       | 70        | 17  | 50% P.G. | 190       | 160       | < 3'      |         |
| HC-4   | TRANE/EXIST. MECH RM |          |      | 13,500 | < 0.2            | < 700         | 50        | 70        | 23  | 50% P.G. | 190       | 160       | < 3'      |         |

## AIR HANDLER SCHEDULE

| SYMBOL | MFGR/MODEL   | AREA SERVED  | COIL TAG    | TYPE | FAN CFM | ARRANGEMENT | TSP / ESP IN. W.C. | MOTOR DATA HP/VOLTS/PH | REMARKS |
|--------|--------------|--------------|-------------|------|---------|-------------|--------------------|------------------------|---------|
| AHU-1  | TRANE/MCC 25 | NEW ADDITION | HC-1        | FC   | 11,070  | DRAW THRU   | 1.75/              | 7.5/208/3              |         |
| AHU-2  | TRANE/MCC 10 | KITCHEN      | PHC-2, HC-2 | FC   | 4,450   | DRAW THRU   | 1.70/              | 3.0/208/3              |         |
| AHU-3  | TRANE/MCC 03 | WORK BAY 104 | HC-3        | FC   | 1,620   | DRAW THRU   | 0.80.25            | 1.0/208/3              |         |

## FAN SCHEDULE

| SYMBOL | MFGR/MODEL            | TYPE        | SERVICE              | CFM   | TSP IN W.C. | RPM  | MOTOR DATA HP/VOLTS/PH | DRIVE  | REMARKS                          |
|--------|-----------------------|-------------|----------------------|-------|-------------|------|------------------------|--------|----------------------------------|
| EF-1   | GREENHECK/SQ-160-C    | CENTRIFUGAL | TOILET/SHOWER ROOMS  | 1,400 | 0.50        | 860  | 0.25/120/1             | DIRECT |                                  |
| EF-2   | GREENHECK/SQ-130-A    | CENTRIFUGAL | WORK BAY 104         | 1,620 | 0.50        | 860  | 0.25/120/1             | DIRECT |                                  |
| EF-3   | GREENHECK/CUBE-180-15 | UPBLAST     | TYPE II KITCHEN HOOD | 3,500 | 1.00        | 1250 | 1.50/208/3             | BELT   |                                  |
| EF-4   | GREENHECK/CUBE-95-4   | UPBLAST     | TYPE II KITCHEN HOOD | 475   | 0.50        | 1475 | 0.25/120/1             | BELT   |                                  |
| EF-5   | GREENHECK/CUBE-95-4   | UPBLAST     | TYPE II KITCHEN HOOD | 475   | 0.50        | 1475 | 0.25/120/1             | BELT   |                                  |
| VF-1   | GREENHECK/SPF-20      | PROPELLOR   | BOILER ROOM VENT.    | 1,870 | 0.10        |      | 0.25/120/1             | BELT   | PROVIDE WITH DISCHARGE FAN GUARD |

## AIR INLET/OUTLET SCHEDULE

| SYMBOL | MFGR/MODEL        | TYPE     | USE | MATERIAL | FINISH | CFM       | FACE SIZE (IN.) | NC  | THROW     | REMARKS                                         |
|--------|-------------------|----------|-----|----------|--------|-----------|-----------------|-----|-----------|-------------------------------------------------|
| A      | TITUS/TMS         | CEILING  | S/A | STEEL    | WHITE  | PER PLANS | 24x24           | <25 | PER PLANS | LAY-IN CEILING                                  |
| B      | TITUS/TMS         | CEILING  | S/A | STEEL    | WHITE  | PER PLANS | 12x12           | <25 | PER PLANS | LAY-IN CEILING                                  |
| C      | TITUS/50F EGGRATE | CEILING  | E/A | ALUMINUM | WHITE  | PER PLANS | 24x24           | <25 | PER PLANS | SURFACE MOUNT                                   |
| D      | TITUS/50F EGGRATE | CEILING  | R/A | STEEL    | WHITE  | PER PLANS | 24x24           | <25 | PER PLANS | LAY IN CEILING                                  |
| E      | TITUS/350RL       | SIDEWALL | R/A | STEEL    | WHITE  | PER PLANS | PER PLANS       | <25 | PER PLANS |                                                 |
| F      | TITUS/301RL       | SIDEWALL | S/A | STEEL    | WHITE  | PER PLANS | PER PLANS       | <25 | PER PLANS |                                                 |
| G      | TITUS/TMR         | CEILING  | S/A | STEEL    | WHITE  | PER PLANS | PER PLANS       | <25 | PER PLANS | MOUNT BOTTOM OF DIFFUSER FLUSH WITH ROOF JOISTS |

## KITCHEN HOOD SCHEDULE

| SYMBOL | MFGR/MODEL         | CLASS | SIZE (IN.)     | MATERIAL        | LISTING | REMARKS                                                         |
|--------|--------------------|-------|----------------|-----------------|---------|-----------------------------------------------------------------|
| KH-1   | GREENHECK/GHW-11-S | I     | 11'-0" x 4'-0" | STAINLESS STEEL | U.L.    | FIRE SUPPRESSION SYSTEM, 20"x20" ALUMINUM BAFFLE GREASE FILTERS |
| KH-2   | GREENHECK/MS-3.2-S | II    | 3'-2" x 3'-2"  | STAINLESS STEEL | U.L.    |                                                                 |
| KH-3   | GREENHECK/MS-3.2-S | II    | 3'-2" x 3'-2"  | STAINLESS STEEL | U.L.    |                                                                 |

## PIPING LEGEND

|      |                                           |
|------|-------------------------------------------|
| ---  | WASTE                                     |
| ---- | VENT PIPING                               |
| ---- | COLD WATER                                |
| ---- | HOT WATER                                 |
| ---- | HOT WATER RECIRCULATED                    |
| XXX  | SEE ABBREVIATIONS FOR MEDIA               |
| ○    | PIPE UP                                   |
| ○    | PIPE DOWN                                 |
| ○    | TEE UP                                    |
| ○    | TEE DOWN                                  |
| ┐    | CAP                                       |
| └    | UNION                                     |
| →    | DIRECTION OF FLOW                         |
| ⊗    | ISOLATION VALVE                           |
| ⊗    | 2-WAY CONTROL VALVE                       |
| ⊗    | 3-WAY CONTROL VALVE                       |
| ⊗    | SELF CONTAINED THERMOSTATIC CONTROL VALVE |
| ⊗    | CHECK VALVE                               |
| ⊗    | BALANCE/SHUT-OFF VALVE                    |
| ⊗    | PRESSURE REDUCING VALVE                   |
| ⊗    | PRESSURE/TEMPERATURE RELIEF VALVE         |
| ⊗    | HOSE BIBB                                 |
| ⊗    | PUMP                                      |
| ⊗    | CLEANOUT                                  |
| ⊗    | PIPE GUIDE                                |
| ⊗    | PIPE ANCHOR                               |
| ⊗    | THERMOMETER                               |
| ⊗    | PRESSURE GAUGE W/ ISOLATION COCK          |
| ⊗    | STRAINER W/ BLOWDOWN                      |
| ⊗    | FLOOR CLEANOUT                            |
| ⊗    | FLOOR DRAIN                               |

## DUCTWORK LEGEND

|       |                          |
|-------|--------------------------|
| ①     | THERMOSTAT OR SENSOR     |
| ⊗     | SUPPLY AIR UP & DOWN     |
| ⊗     | RETURN AIR UP & DOWN     |
| ⊗     | EXHAUST AIR UP & DOWN    |
| ⊗     | ROUND DUCT UP & DOWN     |
| ⊗     | VOLUME DAMPER            |
| ⊗     | MOTORIZED CONTROL DAMPER |
| 12/24 | DUCT SIZE                |
| ⊗     | INSULATED DUCTWORK       |
| ⊗     | TURNING VANES            |
| FSD   | FIRE/SMOKE DAMPER        |
| ~~~~~ | FLEXIBLE DUCT            |
| ⊗     | POINT OF CONNECTION      |
| 5     | DETAIL NUMBER            |
| 5     | SHEET LOCATED ON         |
| 5     | DIRECTION OF VIEW        |
| 5     | SECTION NUMBER           |
| 5     | SHEET LOCATED ON         |
| FT-1  | RADIATION DESIGNATOR     |
| 1012  | LENGTH                   |
| CFM   | CFM                      |
| 1     | SHEET NOTES              |
| 4"φ   | NECK SIZE                |
| 200   | CFM                      |
|       | DIFFUSER OR GRILLE TYPE  |

## ABBREVIATIONS

|        |                             |
|--------|-----------------------------|
| AFF    | ABOVE FINISHED FLOOR        |
| APD    | AIR PRESSURE DROP           |
| ARCH   | ARCHITECTURAL               |
| BDD    | BACKDRAFT DAMPER            |
| BTUH   | BRITISH THERMAL UNIT / HOUR |
| C/A    | COMBUSTION AIR              |
| CFM    | CUBIC FEET PER MINUTE       |
| CW     | COLD WATER                  |
| φ      | DIAMETER                    |
| DEG    | DEGREE                      |
| DN     | DOWN                        |
| DWG    | DRAWING                     |
| E/A    | ENTERING AIR TEMPERATURE    |
| ENT    | ENTERING WATER TEMPERATURE  |
| ESP    | EXTERNAL STATIC PRESSURE    |
| EGT    | ENTERING GYCOL TEMPERATURE  |
| EXIST  | EXISTING                    |
| FT     | FEET                        |
| FFM    | FEET PER MINUTE             |
| FFP    | FINS PER FOOT               |
| FC     | FORWARD CURVE               |
| F      | FAHRENHEIT                  |
| F.C.O. | FLOOR CLEAN OUT             |
| FD     | FIRE DAMPER                 |
| FOS    | FUEL OIL SUPPLY             |
| FOR    | FUEL OIL RETURN             |
| FSD    | FIRE SMOKE DAMPER           |
| GA     | GAUGE                       |
| GALV   | GALVANIZED                  |
| GPH    | GALLONS PER HOUR            |
| GAL    | GALLONS                     |
| GPM    | GALLONS PER MINUTE          |
| GPD    | GLYCOL PRESSURE DROP        |
| HC     | HANDICAPPED                 |
| HD     | HEAD                        |
| HOR    | HEATING GLYCOL RETURN       |
| HOS    | HEATING GLYCOL SUPPLY       |
| HW     | HOT WATER                   |
| HP     | HORSEPOWER                  |
| IN     | INCHES                      |
| LAT    | LEAVING AIR TEMPERATURE     |
| LWT    | LEAVING WATER TEMPERATURE   |
| LAV    | LAVATORY                    |
| LF     | LINEAL FEET                 |
| LGT    | LEAVING GLYCOL TEMPERATURE  |
| MBH    | THOUSAND BTU PER HOUR       |
| MFGR   | MANUFACTURER                |
| NC     | NOISE CRITERIA              |
| N.C.   | NORMALLY CLOSED             |
| N.O.   | NORMALLY OPEN               |
| O/A    | OUTSIDE AIR                 |
| OSV    | OIL SAFETY VALVE            |
| PD     | PRESSURE DROP               |
| PG     | PROPYLENE GLYCOL            |
| PH     | PHASE                       |
| PSI    | POUNDS PER SQUARE INCH      |
| R/A    | RETURN AIR                  |
| RPM    | REVOLUTIONS PER MINUTE      |
| S/A    | SUPPLY AIR                  |
| SQ     | SQUARE                      |
| TSP    | TOTAL STATIC PRESSURE       |
| T'STAT | THERMOSTAT                  |
| TYP    | TYPICAL                     |
| V      | VENT                        |
| VTR    | VENT THRU ROOF              |
| WC     | WATER COLUMN                |
| WG     | WATER GAGE                  |
| W.C.O. | WALL CLEAN OUT              |
| WHA    | WATER HAMMER ARRESTOR       |
| W      | WASTE                       |
| W/O    | WITHOUT                     |
| WPD    | WATER PRESSURE DROP         |

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DOT/PF PROJECT No. 65892

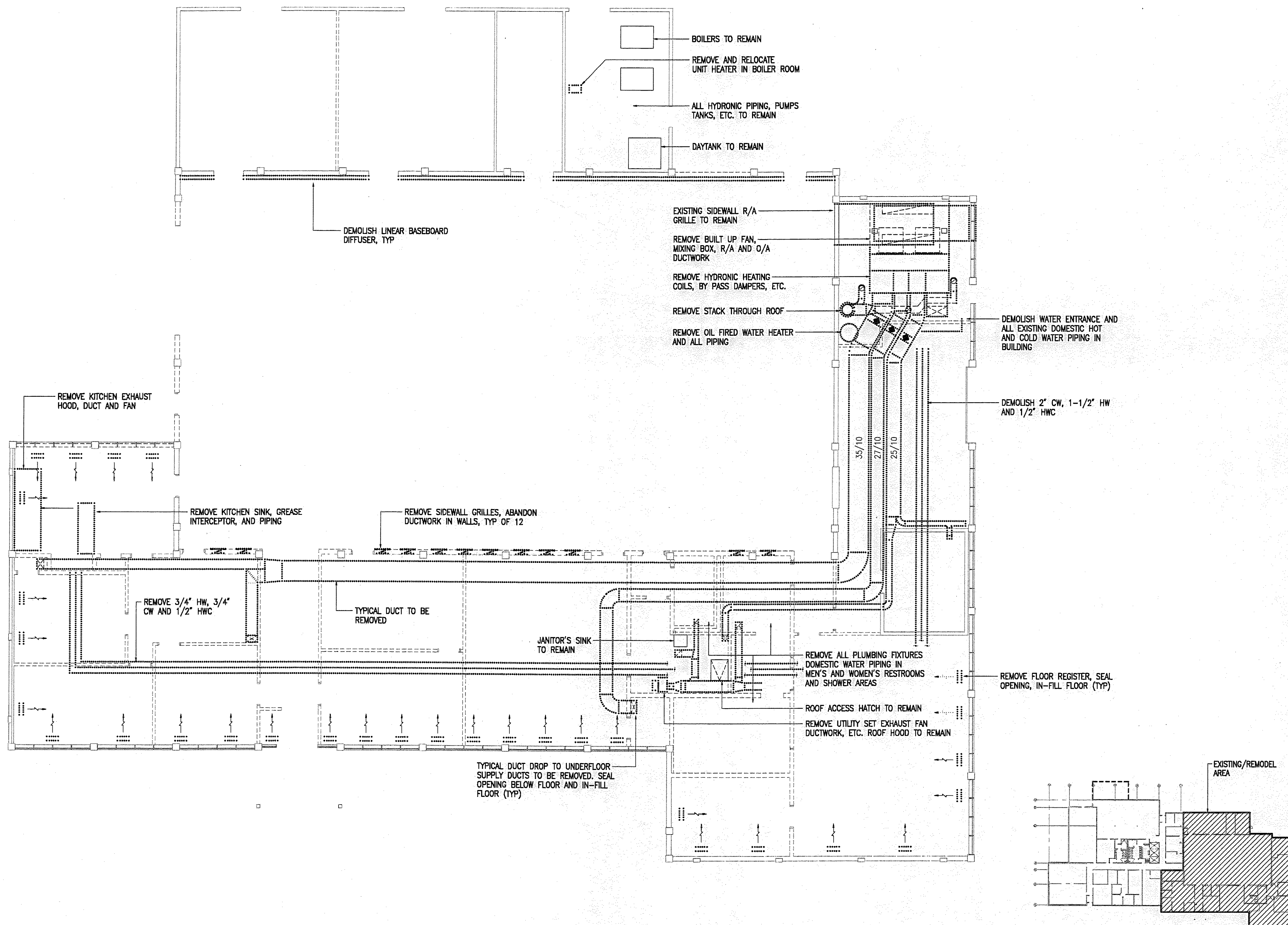
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LEGEND & SCHEDULES

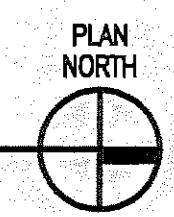
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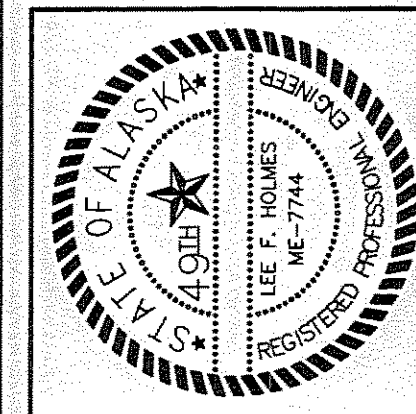


**1 DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



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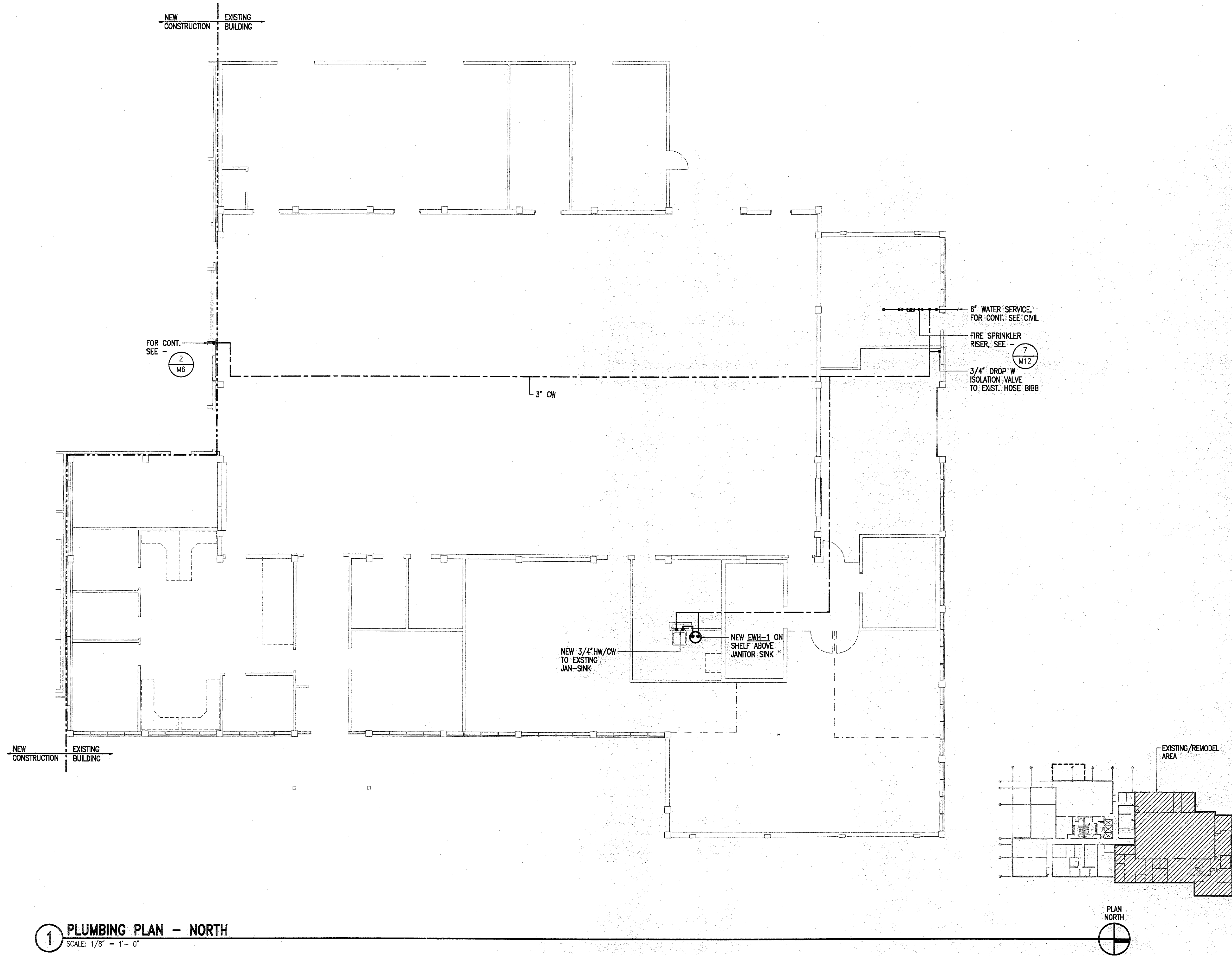
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DEMOLITION PLAN  
DESIGN DEVELOPMENT SUBMITTAL

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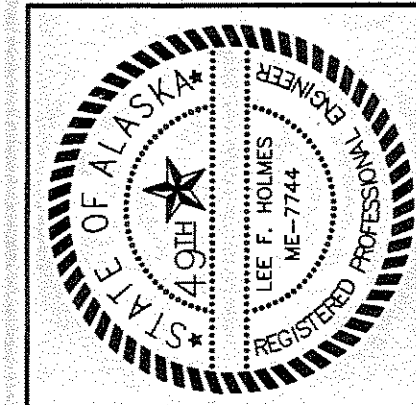
JOB NUMBER: 94045



**1 PLUMBING PLAN - NORTH**  
SCALE: 1/8" = 1'-0"

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**PLUMBING PLAN - NORTH  
DESIGN DEVELOPMENT SUBMITTAL**

sheet no.  
**M-3**

6" RL, SEE CIVIL DWGS.  
FOR CONTINUATION

C.O.

4" VERTICAL TO 6" HORIZONTAL  
RAINLEADER UNDER SLAB

6" RL

OI-1  
OIL INTERCEPTOR

4" W

FD-1

3" W

3" VENT UP

6" RL

UP TO W.C.O.

UP TO P-4  
(TYP. of 2)

UP TO P-3

UP TO W.C.O.

UP TO P-5  
(TYP. of 5)

UP TO FD-X, (TYP.)

VENT PIPE  
UP, (TYP.)

3" W

3" W

3" W UP  
TO F.C.O.

FOR KITCHEN PLUMBING  
PLANS, SEE -

1  
MS

PLUMBING  
ISOMETRIC

C.O.

4" W, SEE CIVIL DWGS.  
FOR CONTINUATION

NEW  
CONSTRUCTION

EXISTING  
BUILDING

ALTERNATE #1

NEW  
ADDITION

PLAN  
NORTH

# 1 UNDERFLOOR PLUMBING PLAN - SOUTH

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

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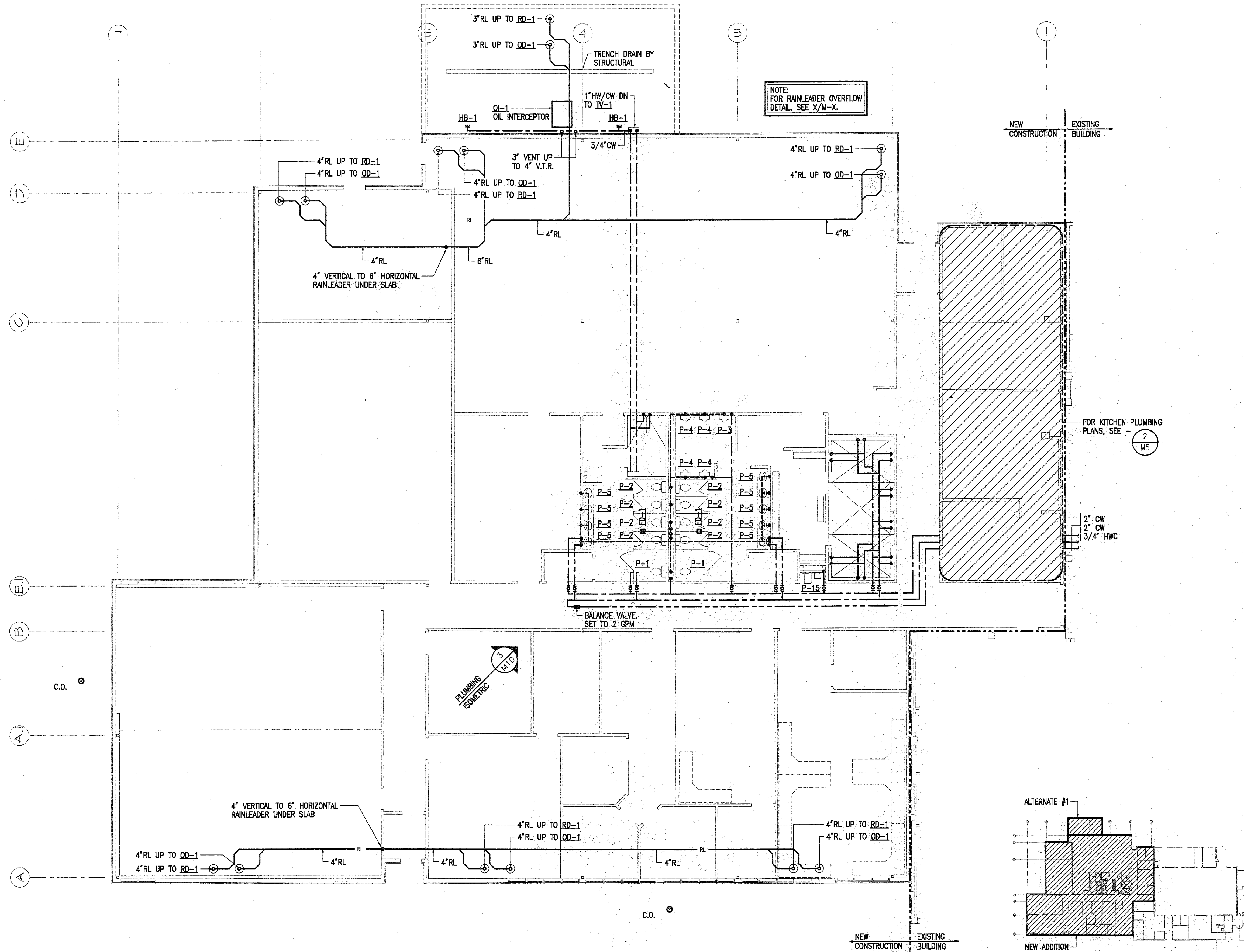
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UNDERFLOOR PLUMBING  
PLAN - SOUTH  
DESIGN DEVELOPMENT SUBMITTAL

sheet no.  
**M-4**

JOB NUMBER: 94045



**1 PLUMBING PLAN - SOUTH**  
SCALE: 1/8" = 1'-0"

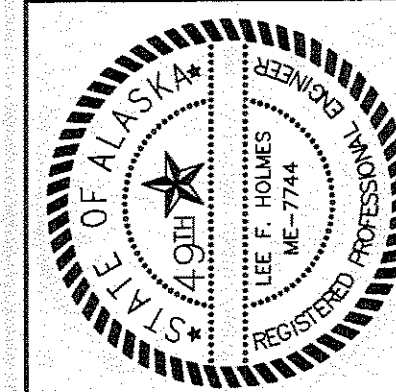


PLUMBING PLAN - SOUTH  
DESIGN DEVELOPMENT SUBMITTAL

sheet no.  
**M-5**

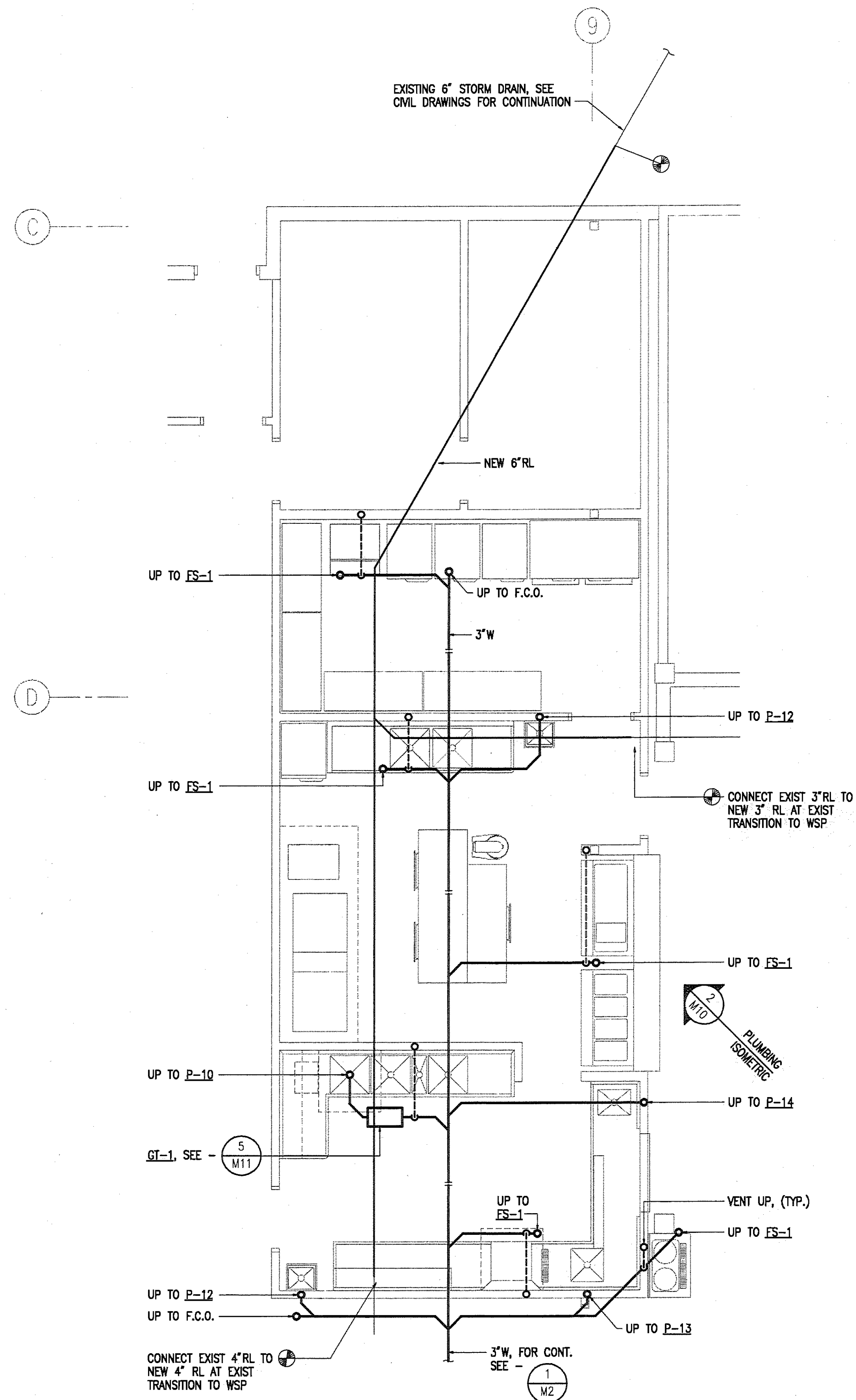
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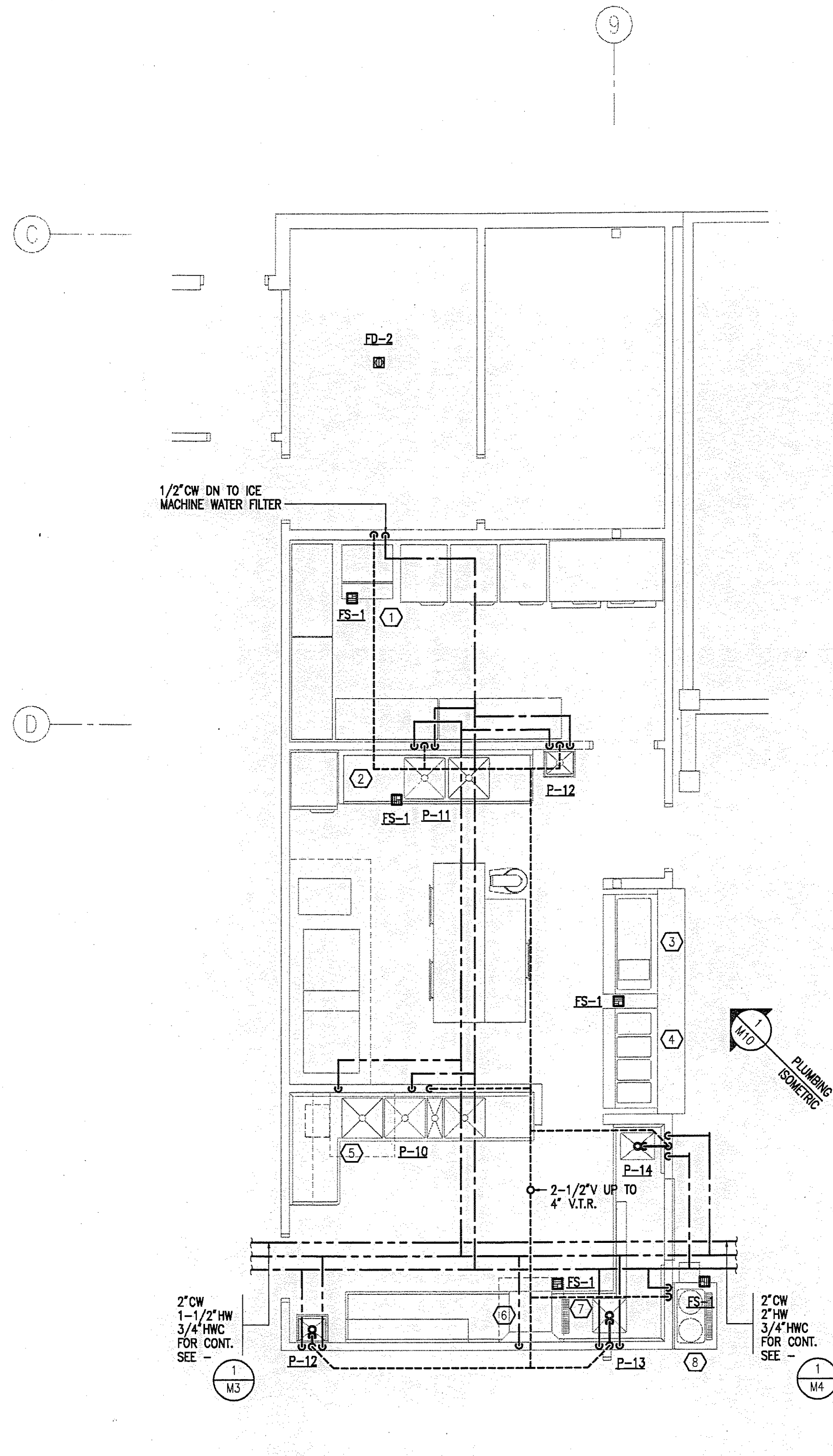


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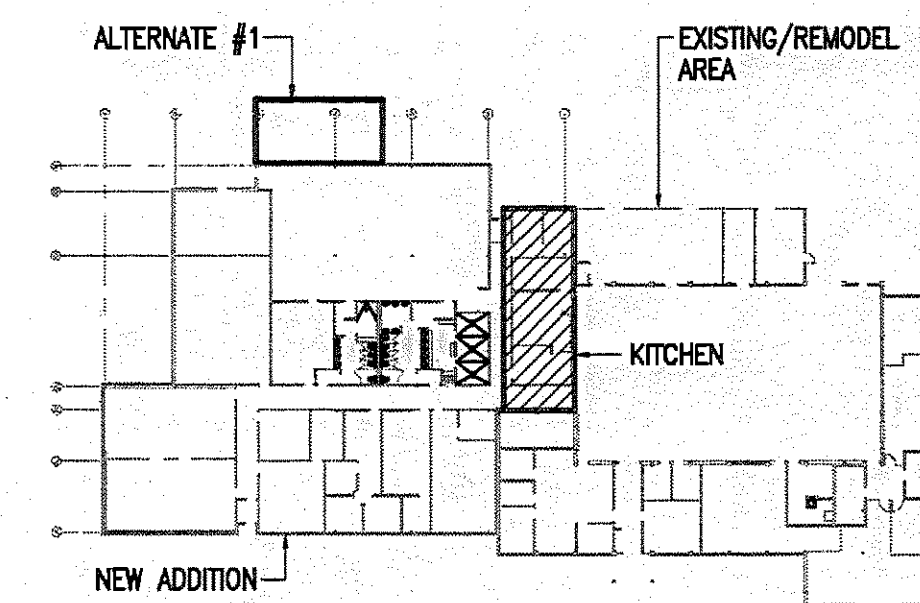
**1 KITCHEN UNDERFLOOR PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"



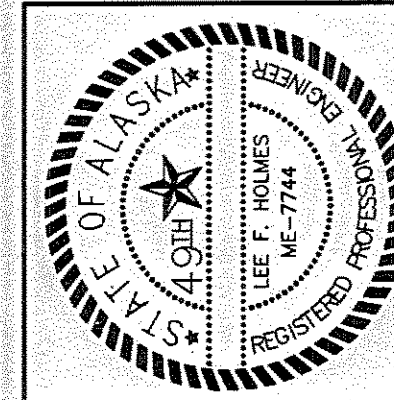
**2 KITCHEN PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

### SHEET NOTES

- 1 PIPE 1/2" CW FROM CW MAIN TO WATER FILTER. CONNECT WATER FILTER TO ICE MACHINE WITH 1/2" PIPE.
- 2 PREPARATION SINK P-11 TO HAVE A 1-1/2" W PIPE TO FLOOR SINK.
- 3 REFRIGERATED FOOD COUNTER TO HAVE A 1" W PIPE TO FLOOR SINK.
- 4 HOT FOOD COUNTER TO HAVE A 1" W PIPE TO FLOOR SINK.
- 5 HOT WATER BOOSTER TO HAVE A 3/4" 120° F HW PIPE FROM MAIN, CONNECT HOT WATER BOOSTER TO FAUCET OF SINK P-10 WITH 3/4" 180° F HW PIPE.
- 6 DISHWASHING MACHINE TO HAVE A 2" W PIPE TO FLOOR SINK.
- 7 QUICK DRAIN OF DIRTY DISH TABLE TO HAVE A 1" W PIPE TO FLOOR SINK.
- 8 COFFEE URN TO HAVE A 1" W PIPE TO FLOOR SINK.



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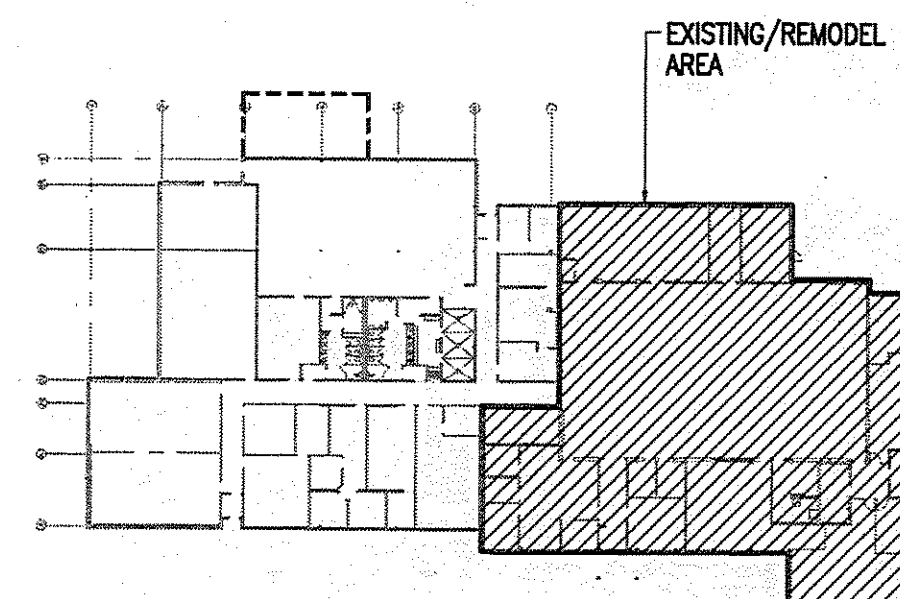
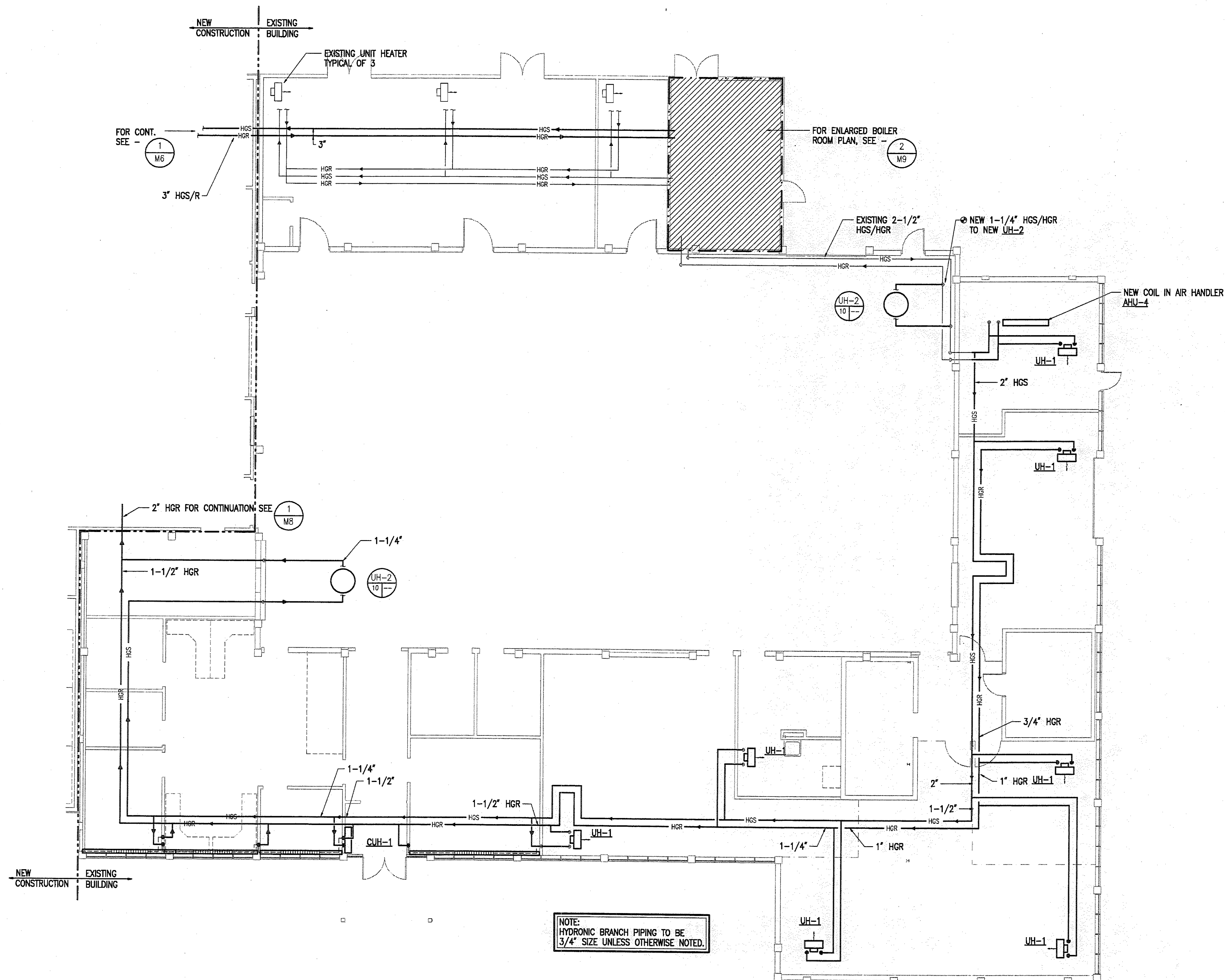
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KITCHEN PLUMBING PLANS  
DESIGN DEVELOPMENT SUBMITTAL

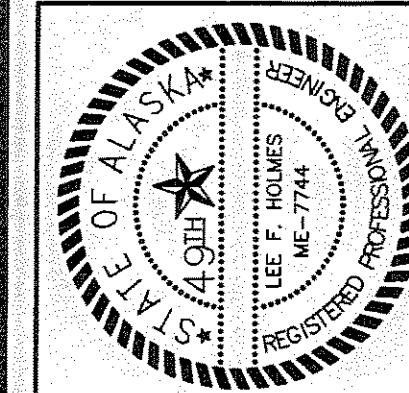
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**M-6**



**1 HEATING PLAN - NORTH**  
SCALE: 1/8" = 1'-0"



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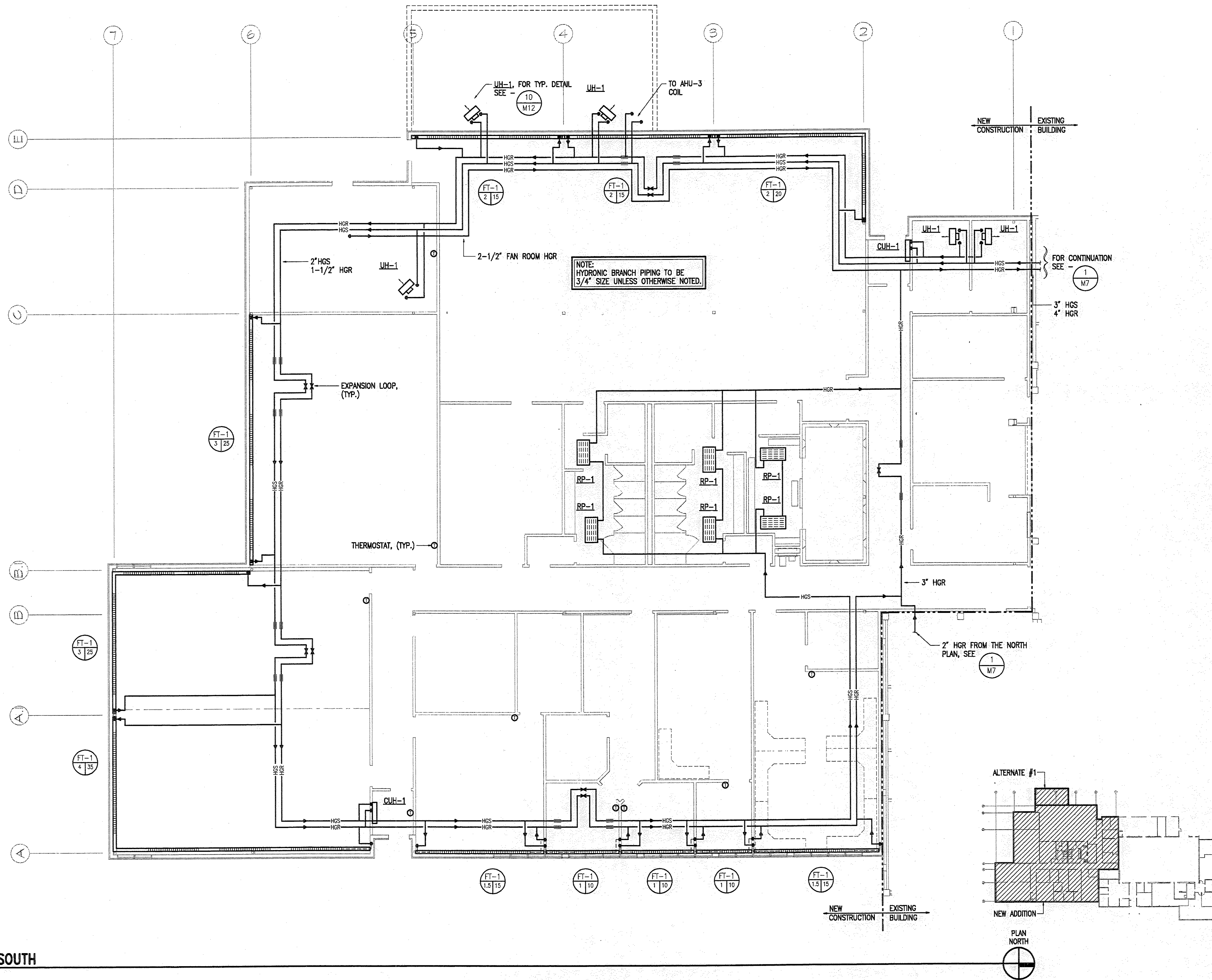
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DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
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revised:

HEATING PLAN NORTH  
DESIGN DEVELOPMENT SUBMITTAL

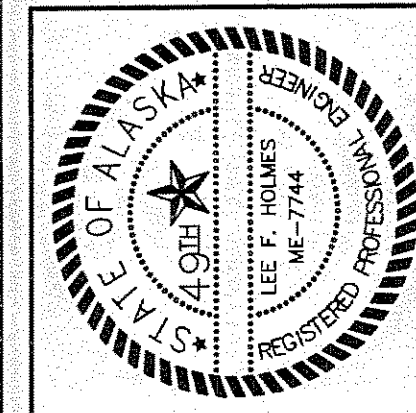
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**M-7**

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**1 HEATING PLAN - SOUTH**  
SCALE: 1/8" = 1'-0"

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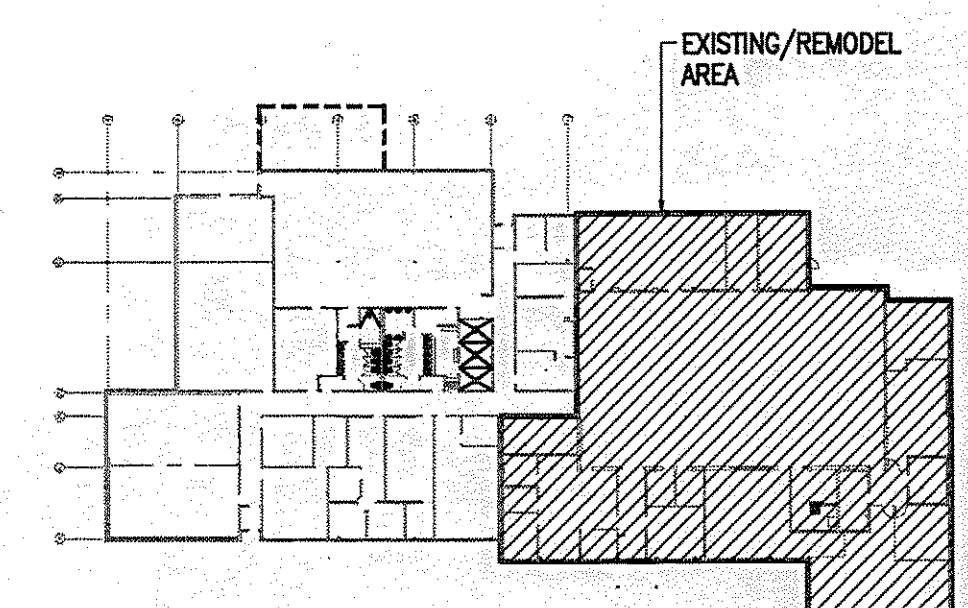
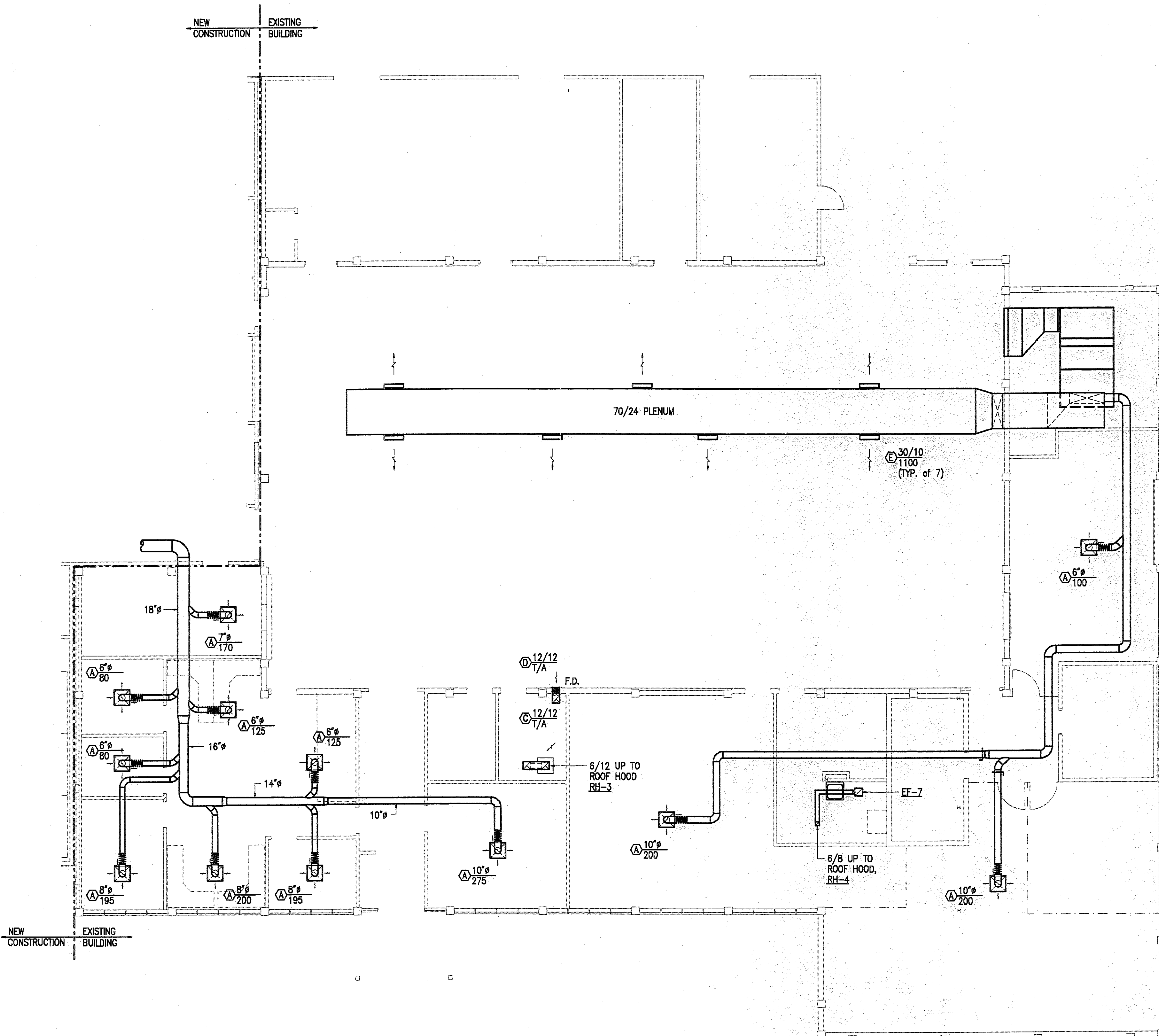
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DOT/PF PROJECT No. 65892

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HEATING PLAN - SOUTH  
DESIGN DEVELOPMENT SUBMITTAL

sheet no.  
**M-8**

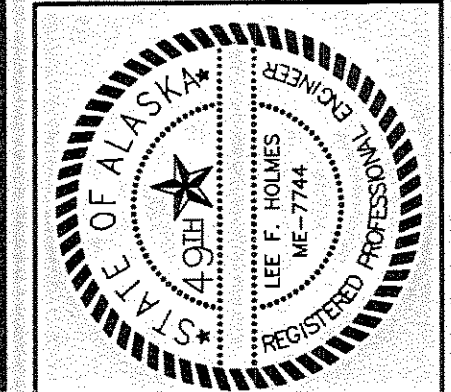
JOB NUMBER: 940-45



**1 VENTILATION PLAN - NORTH**  
SCALE: 1/8" = 1'-0"

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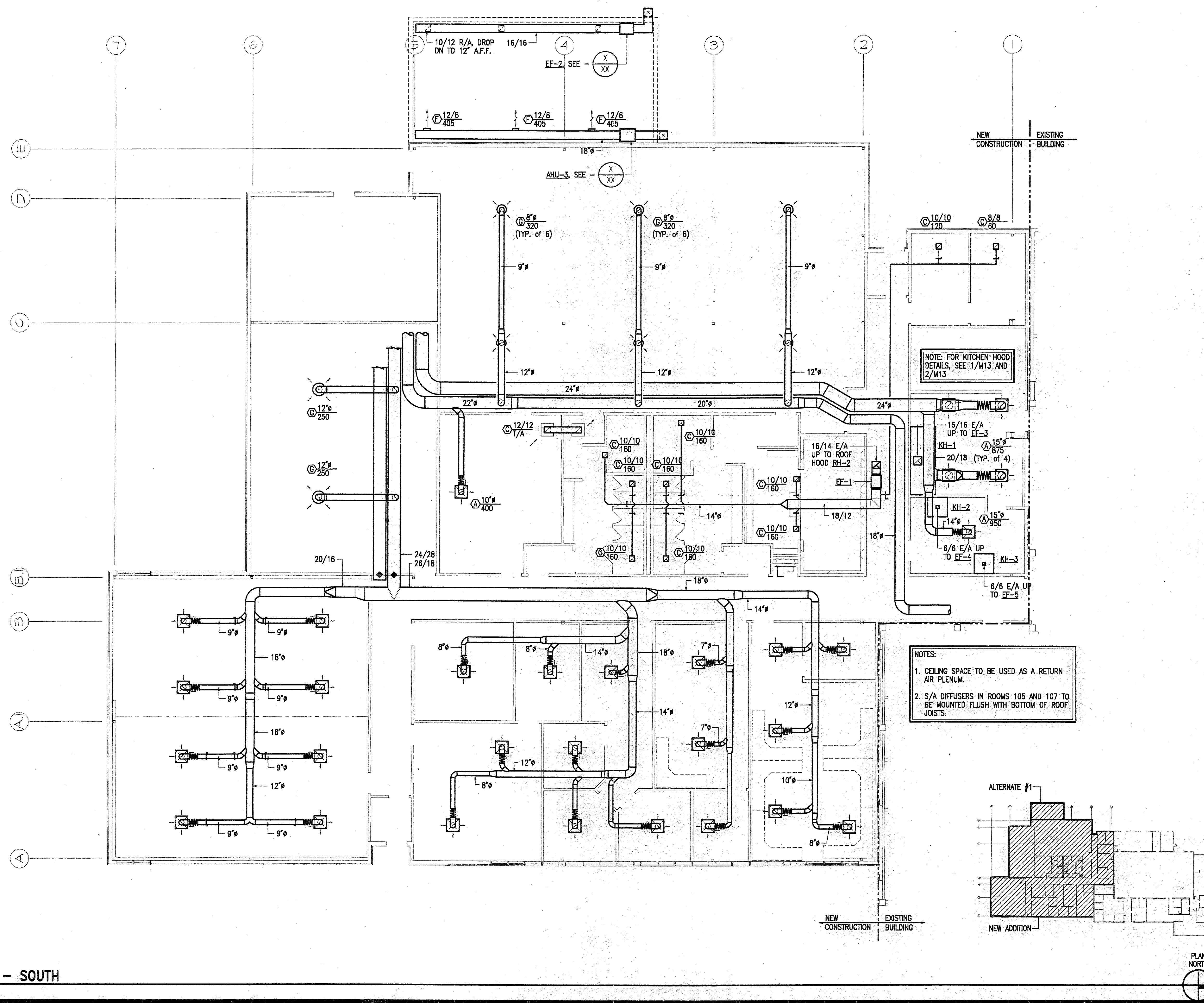
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revised:

VENTILATION PLAN - NORTH  
DESIGN DEVELOPMENT SUBMITTAL

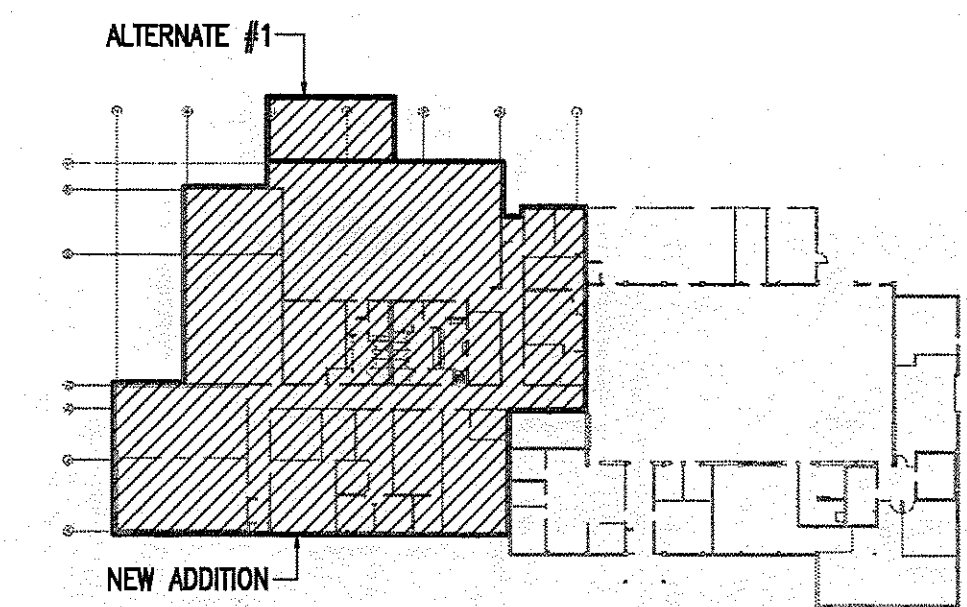
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**M-9**

JOB NUMBER: 94045



NOTE: FOR KITCHEN HOOD DETAILS, SEE 1/M13 AND 2/M13

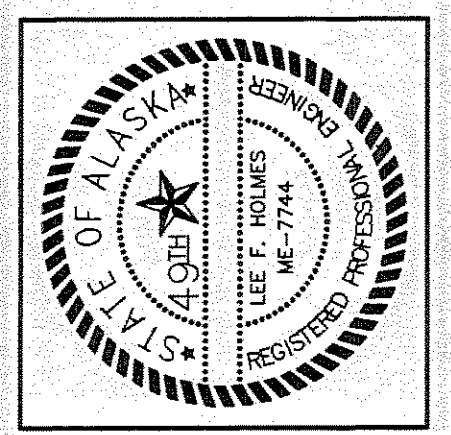
- NOTES:
1. CEILING SPACE TO BE USED AS A RETURN AIR PLENUM.
  2. S/A DIFFUSERS IN ROOMS 105 AND 107 TO BE MOUNTED FLUSH WITH BOTTOM OF ROOF JOISTS.



**1 VENTILATION PLAN - SOUTH**  
SCALE: 1/8" = 1'-0"

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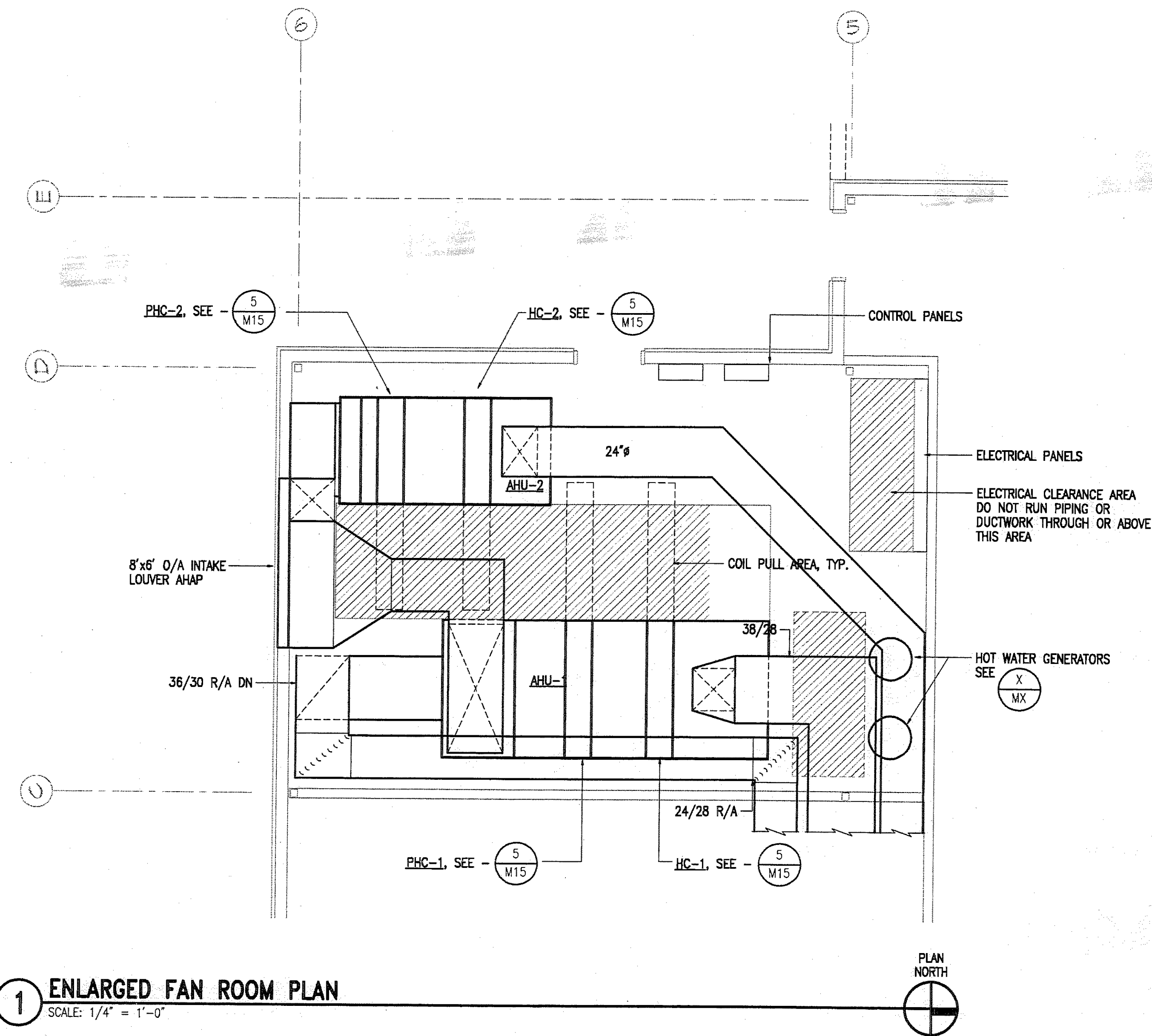
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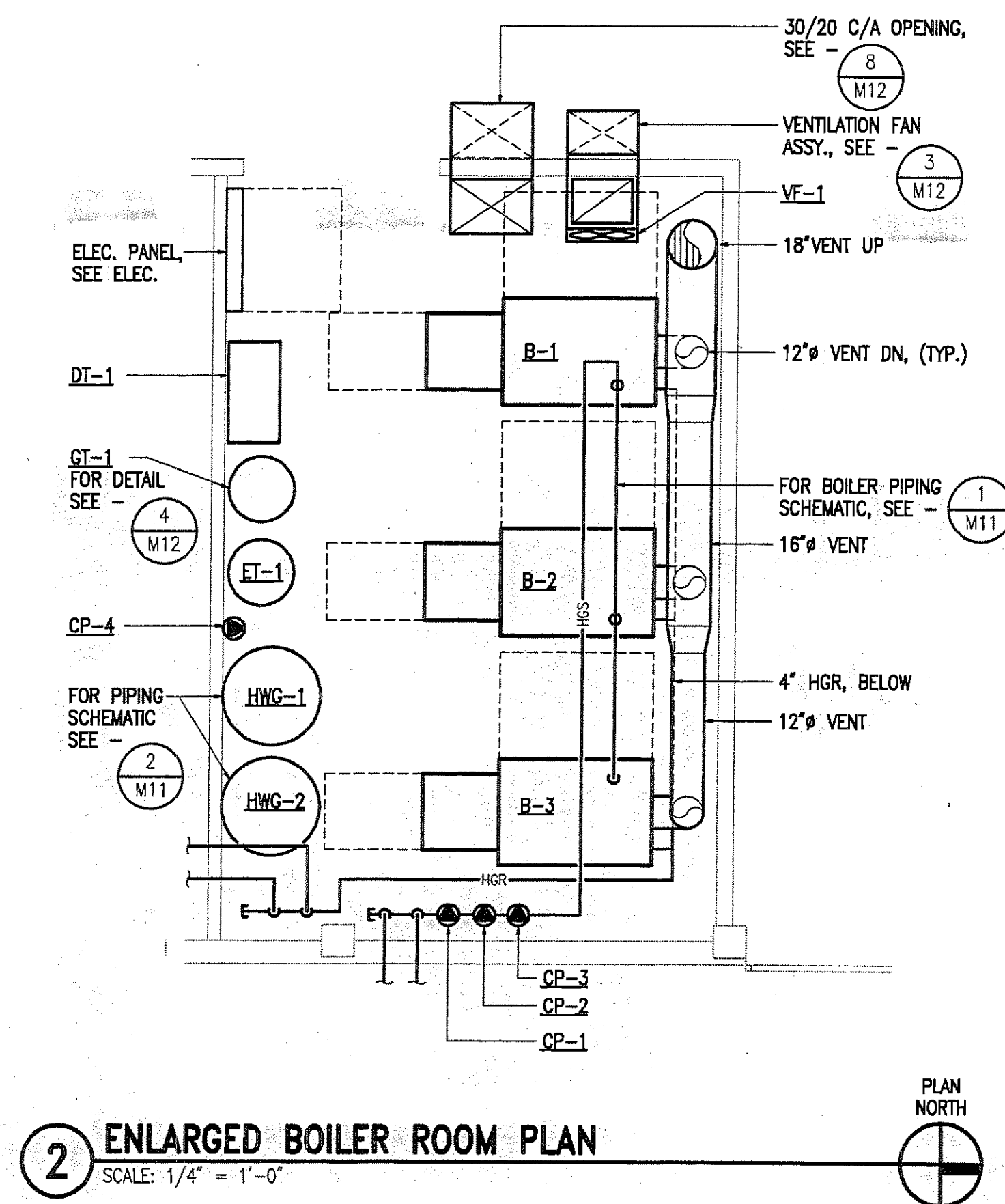
VENTILATION PLAN - SOUTH  
DESIGN DEVELOPMENT SUBMITTAL

sheet no.  
**M-10**

JOB NUMBER: 94045



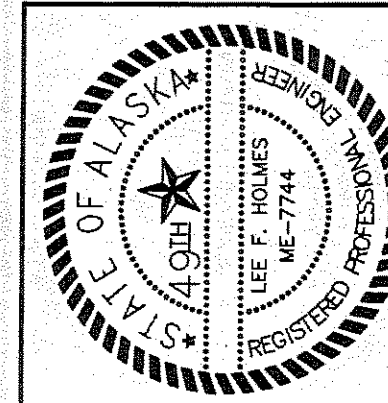
1 ENLARGED FAN ROOM PLAN  
SCALE: 1/4" = 1'-0"



2 ENLARGED BOILER ROOM PLAN  
SCALE: 1/4" = 1'-0"

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

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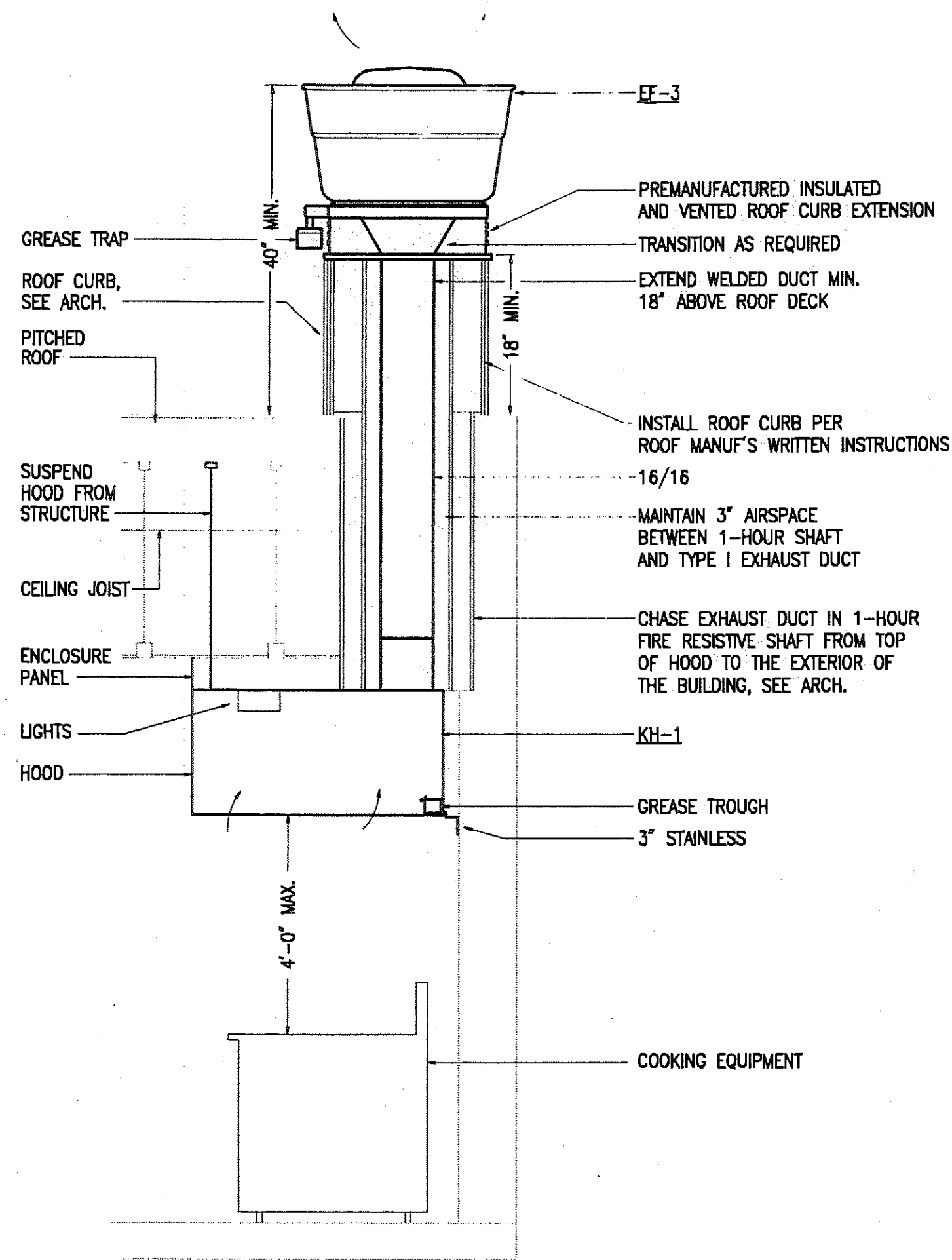
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LARGE SCALE PLANS &  
SECTIONS  
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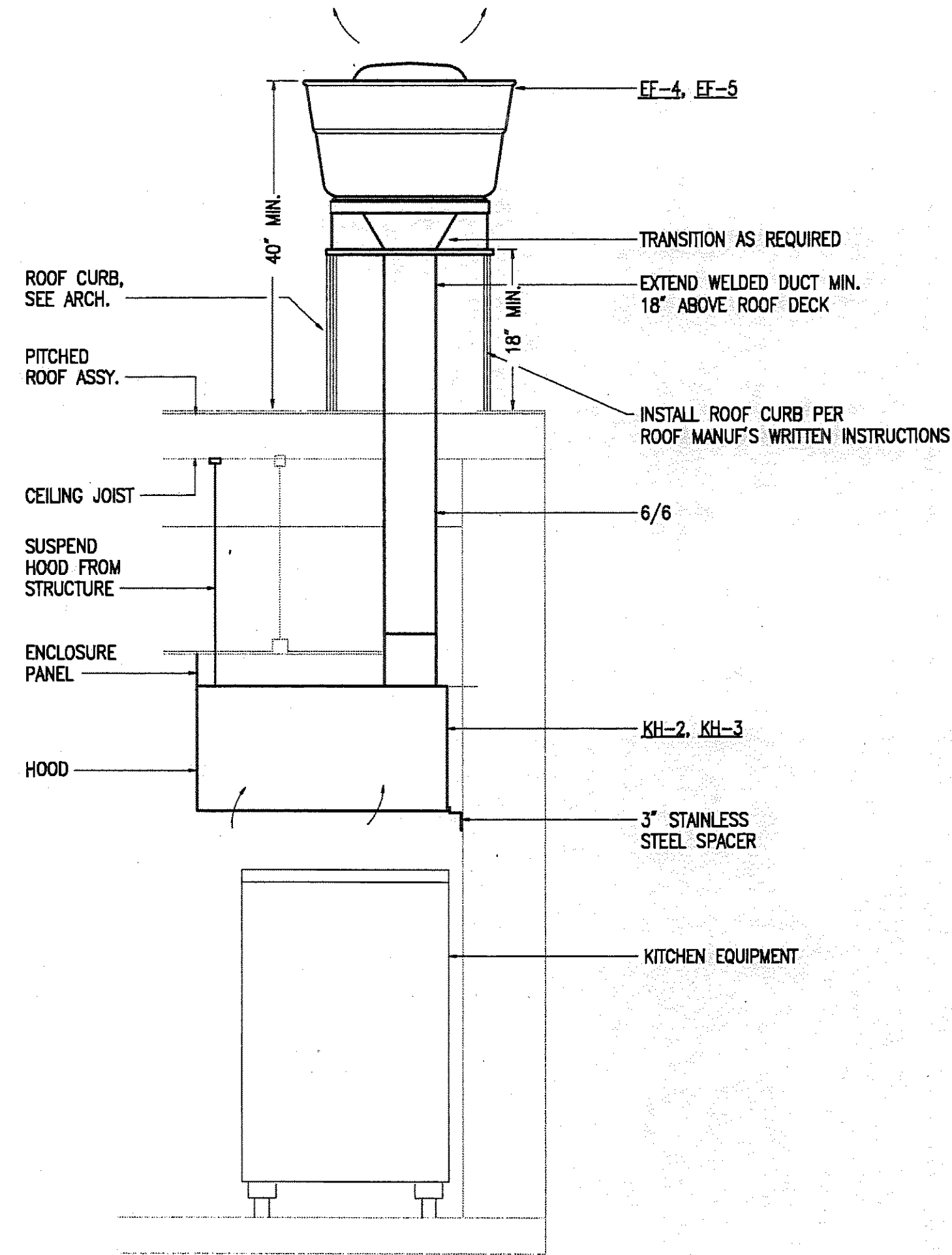
sheet no.  
M-11

JOB NUMBER: 94045





1 EF-3 - SECTION  
NO SCALE



2 EF-4/EF-5 - SECTION  
NO SCALE

3 TITLE  
NO SCALE

4 TITLE  
NO SCALE

5 TITLE  
NO SCALE

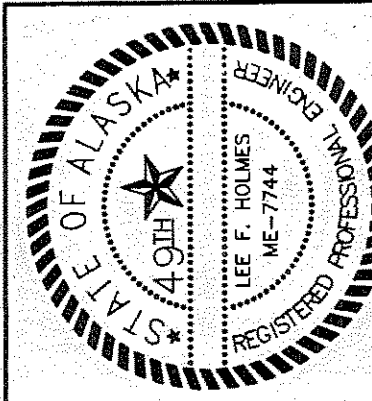
6 TITLE  
NO SCALE

7 TITLE  
NO SCALE

8 TITLE  
NO SCALE

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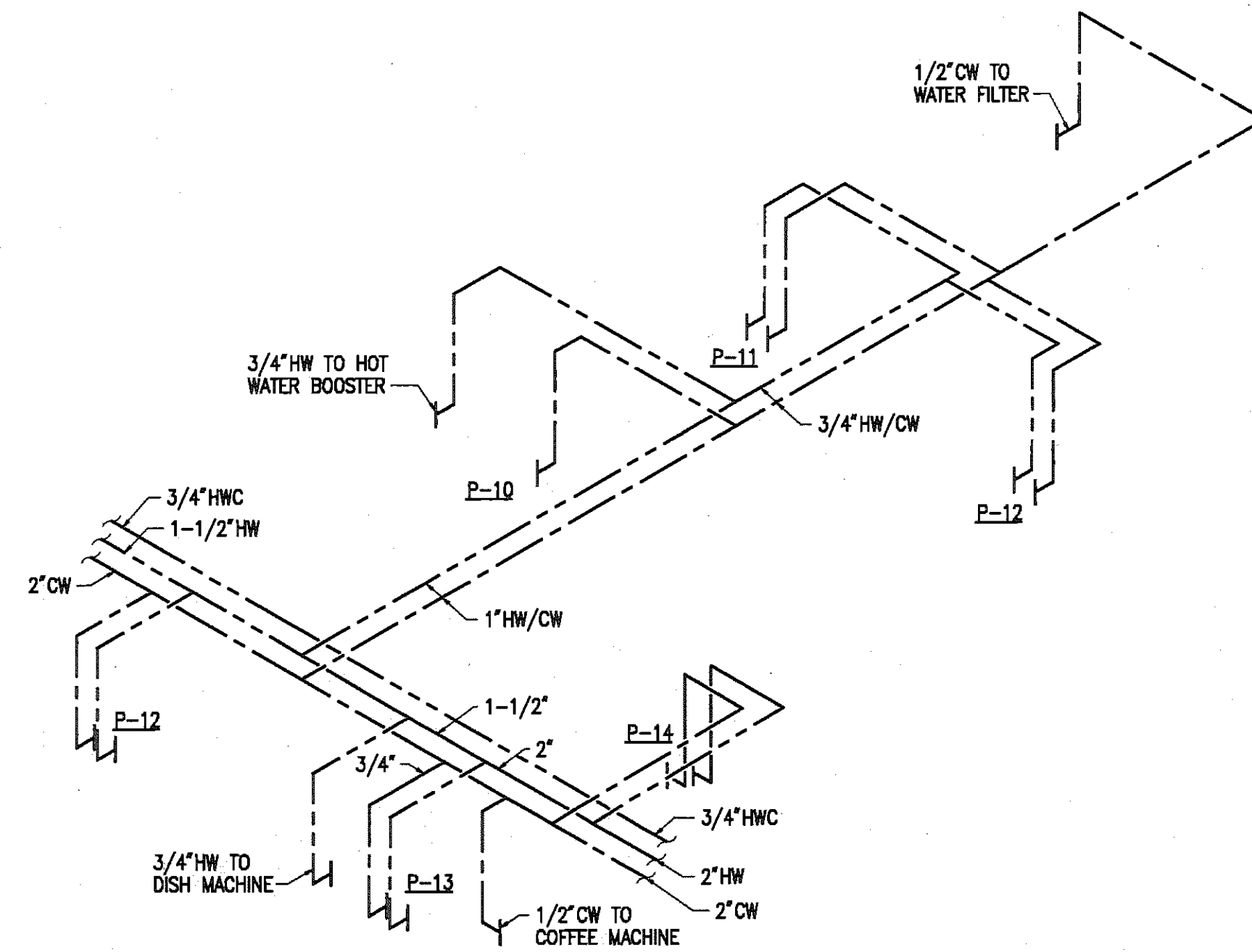


FAIRBANKS ARMORY  
ADDITION AND ALTERATION  
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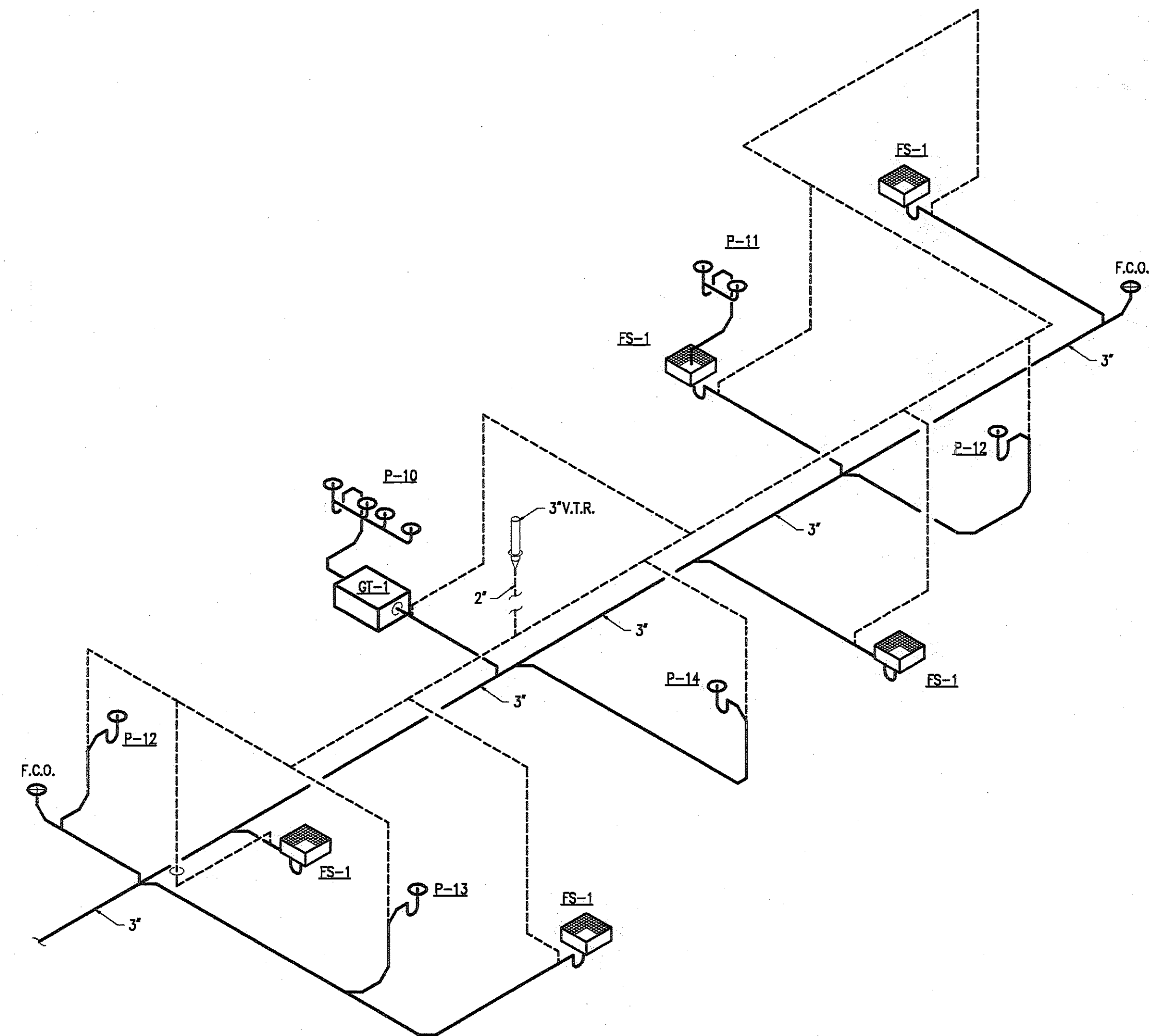
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SECTIONS & DETAILS  
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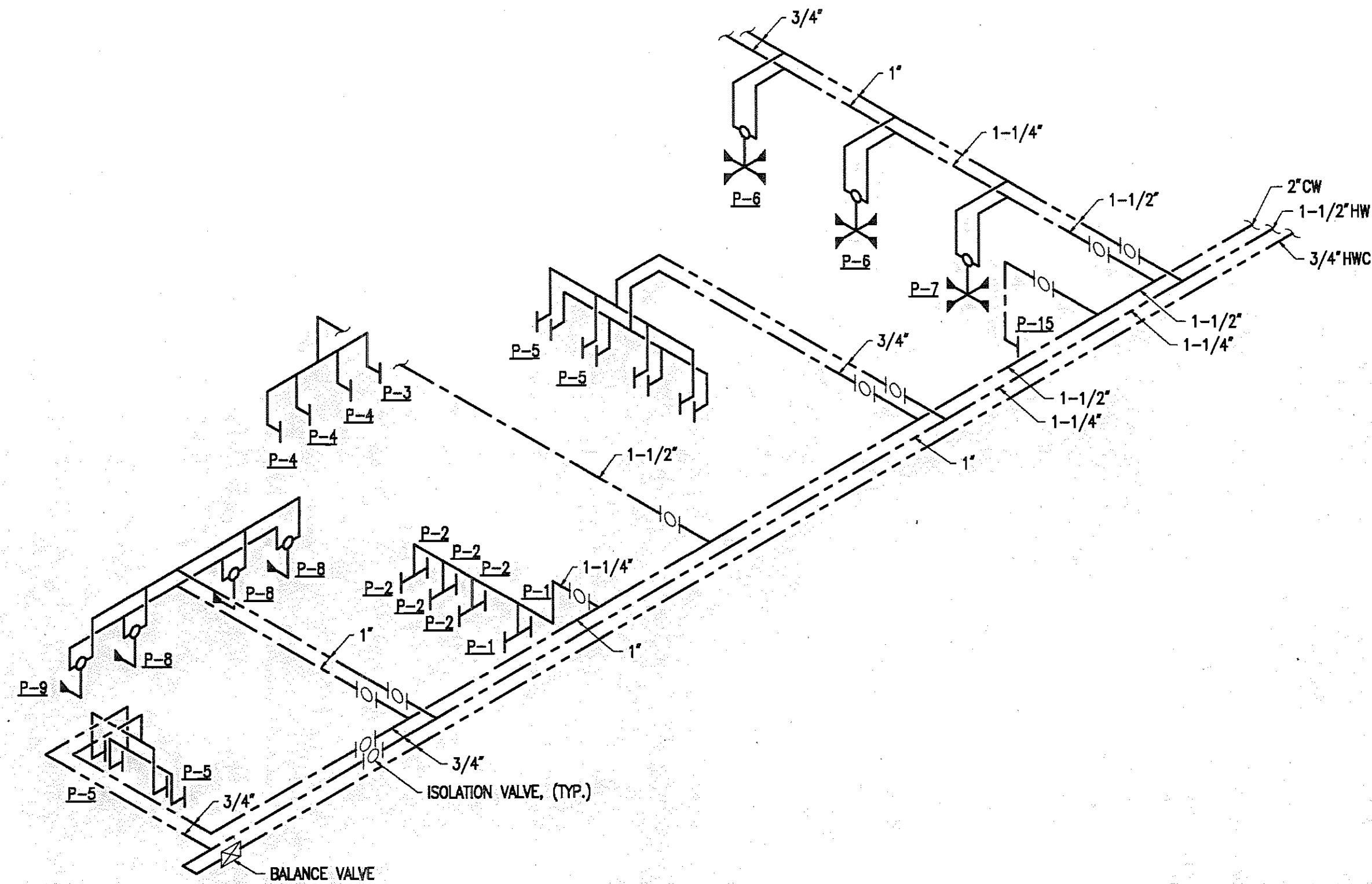
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M-13



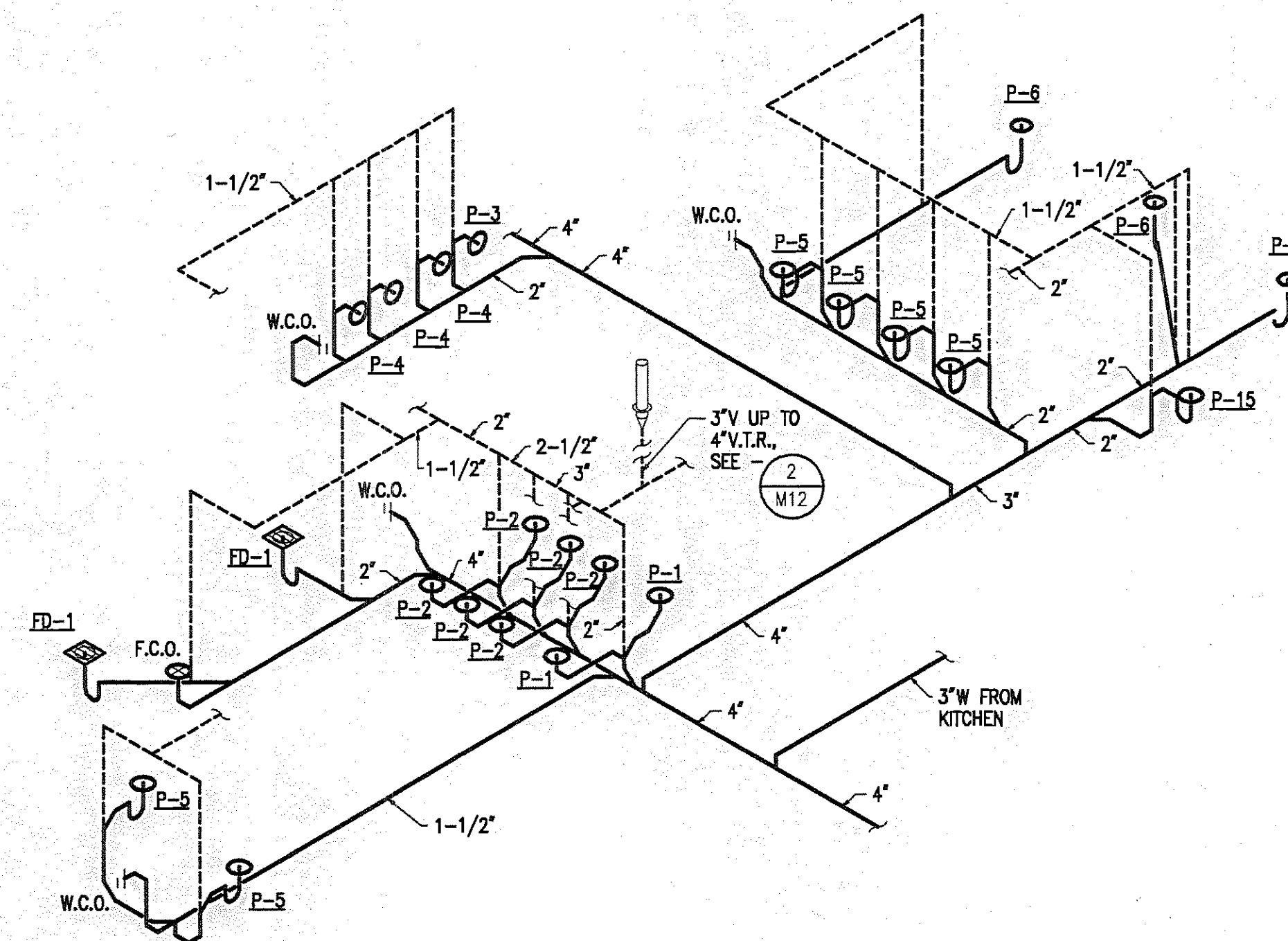
**1 PLUMBING ISOMETRIC - DOMESTIC WATER (KITCHEN)**  
NO SCALE



**2 PLUMBING ISOMETRIC - WASTE AND VENT (KITCHEN)**  
NO SCALE

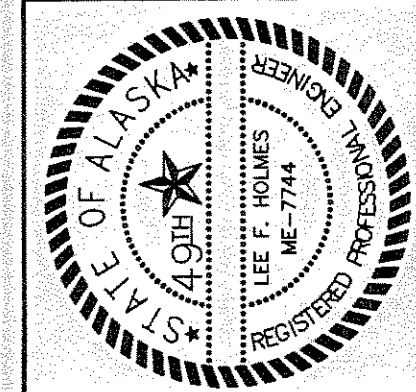


**3 PLUMBING ISOMETRIC - DOMESTIC WATER (TOILET ROOMS)**  
NO SCALE



**4 PLUMBING ISOMETRIC - WASTE AND VENT (TOILET ROOMS)**  
NO SCALE

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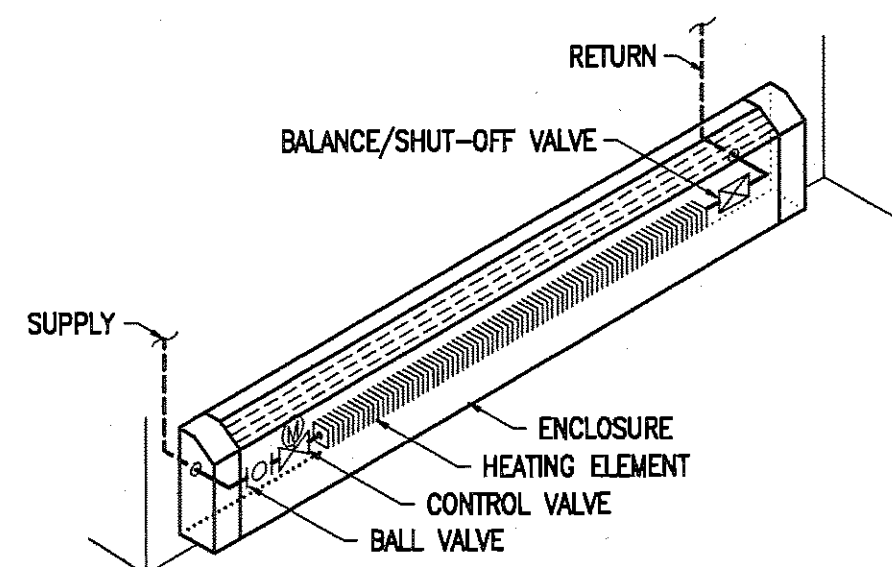
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**RISIA Engineering, Inc.**  
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DOT/PF PROJECT No. 65892**

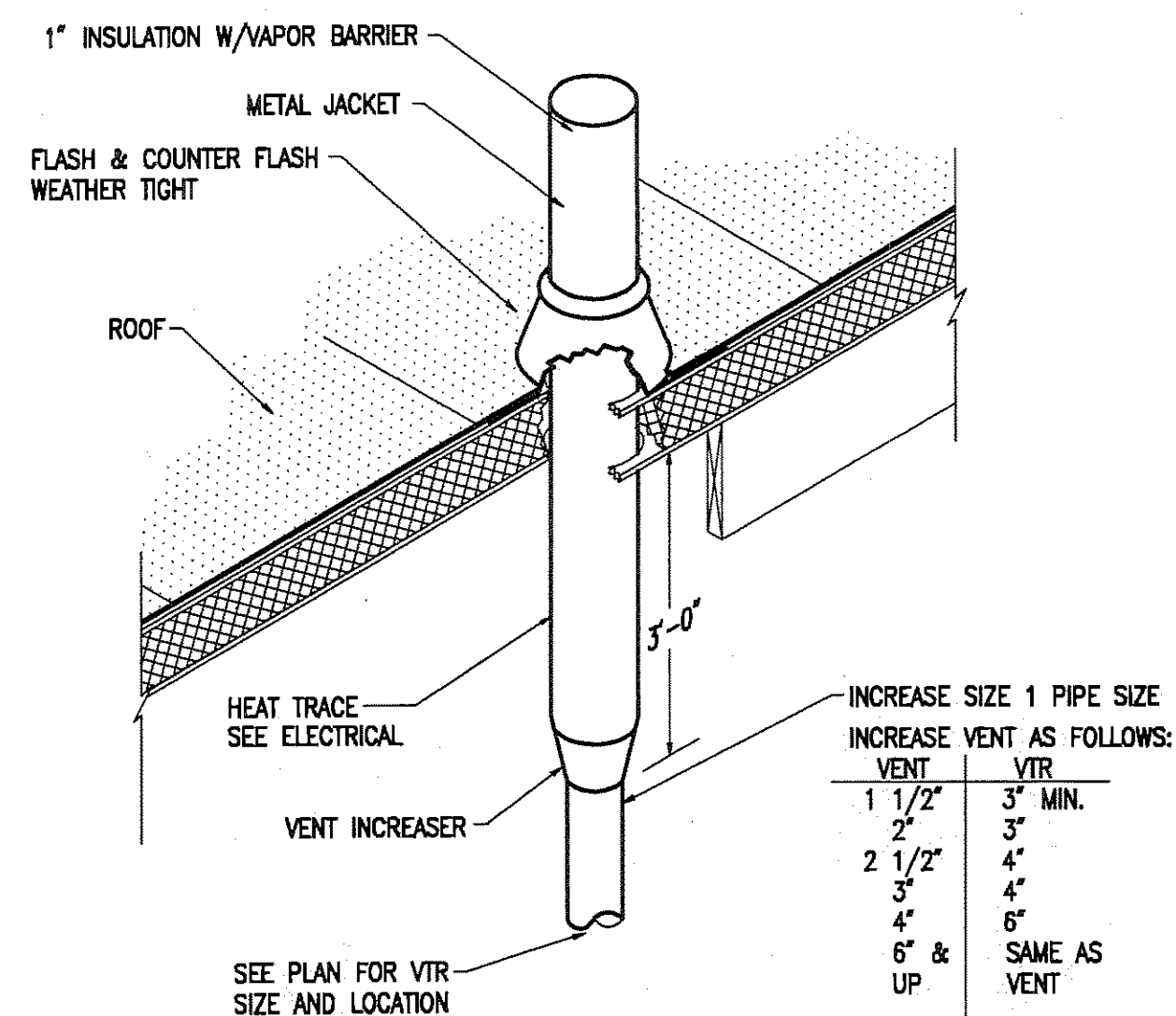
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**PLUMBING ISOMETRICS  
DESIGN DEVELOPMENT SUBMITTAL**

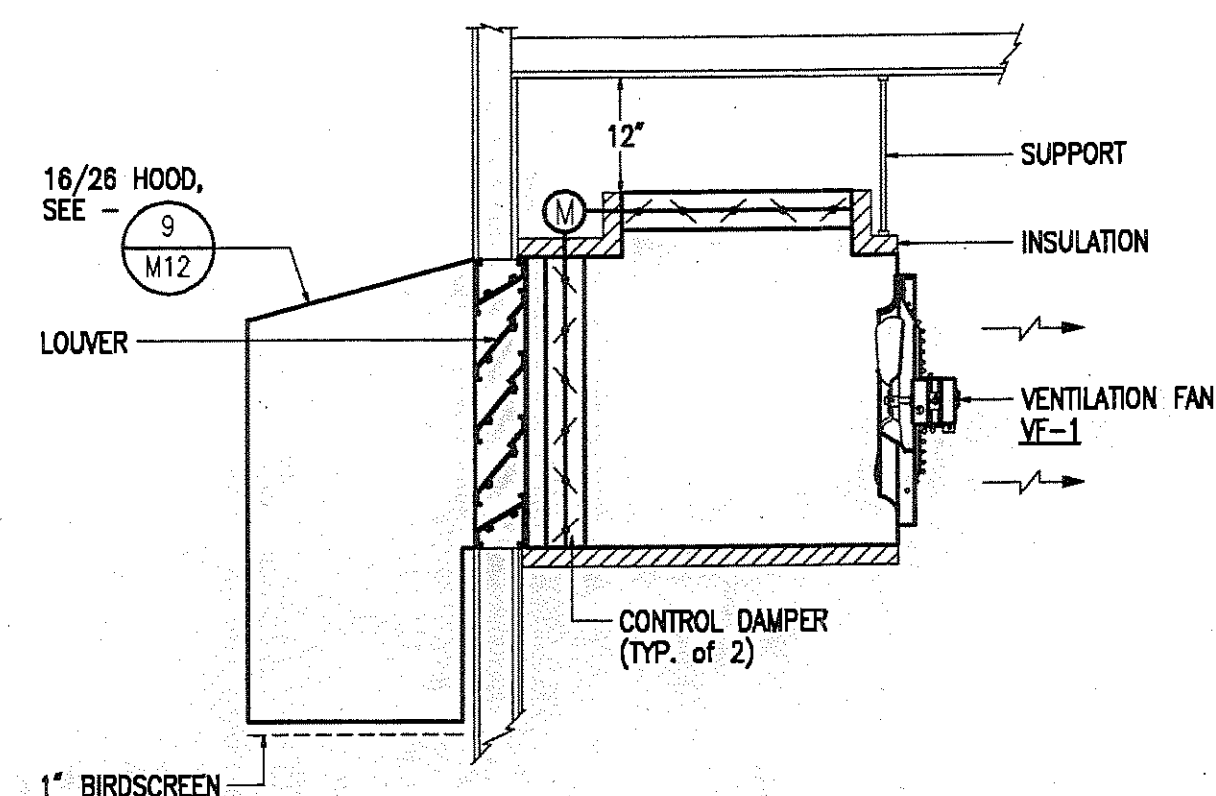
sheet no.  
**M-14**



1 TYPICAL BASEBOARD DETAIL  
NO SCALE

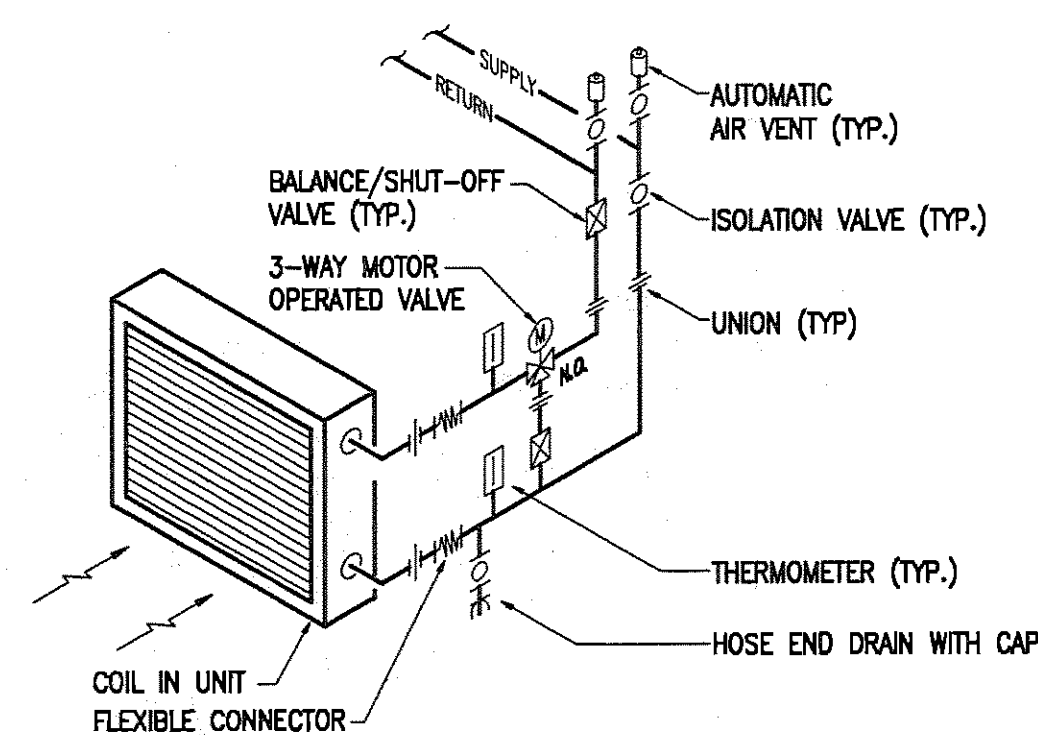


2 VENT THRU ROOF DETAIL  
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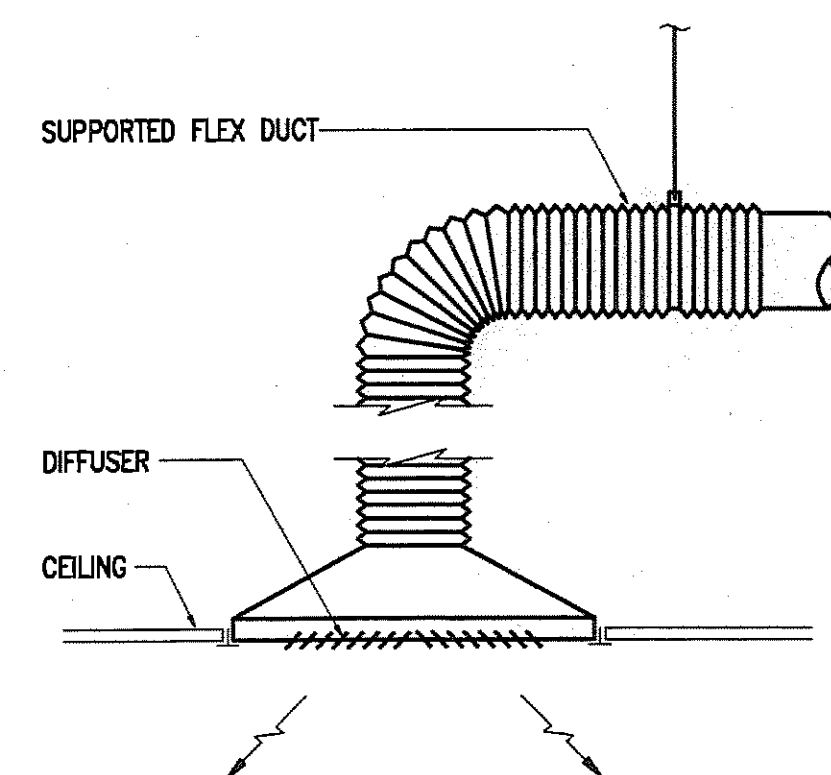


3 VENTILATION FAN DETAIL  
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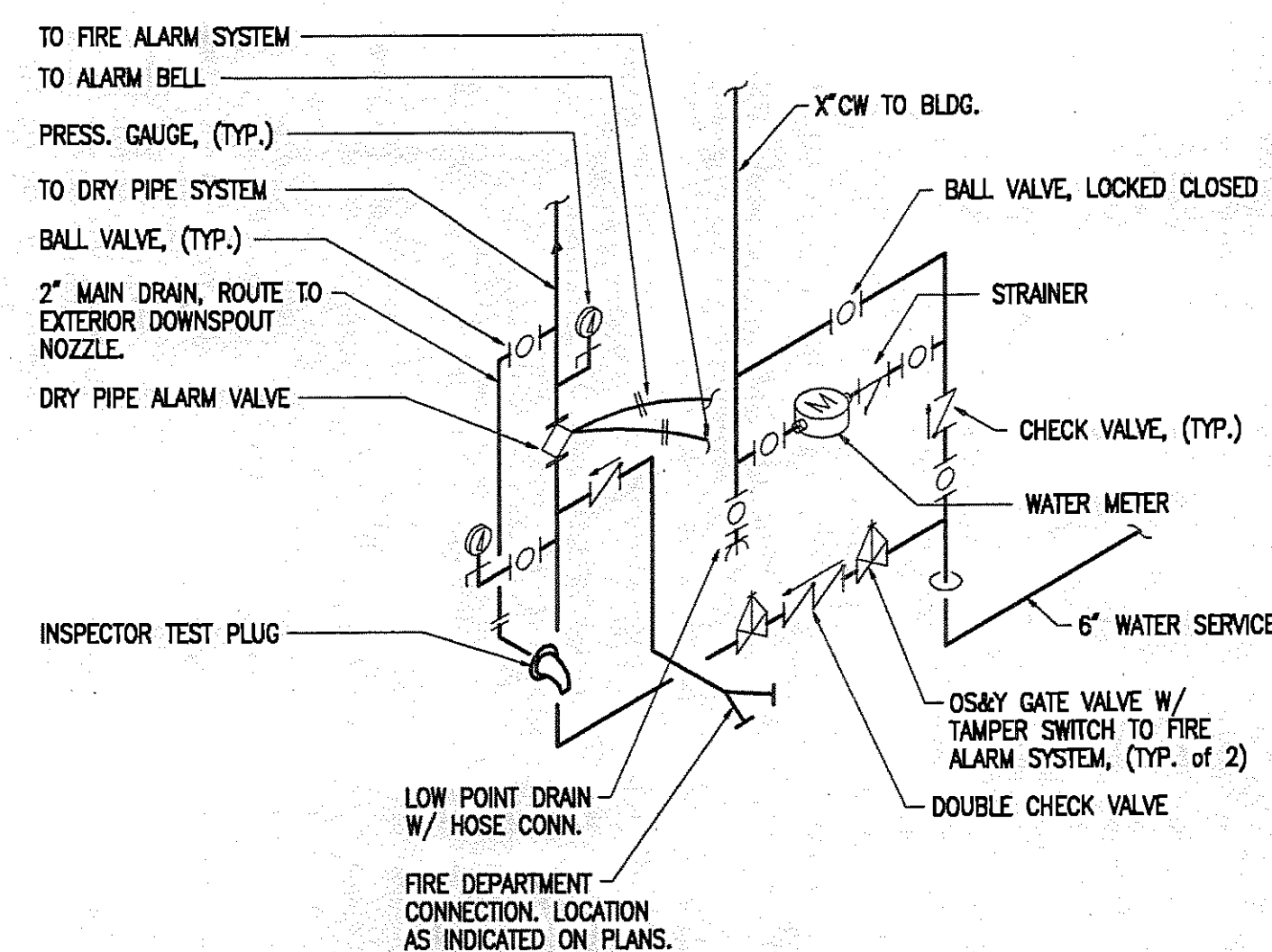
4 GLYCOL MIX TANK DETAIL  
NO SCALE



5 HEATING COIL DETAIL  
NO SCALE

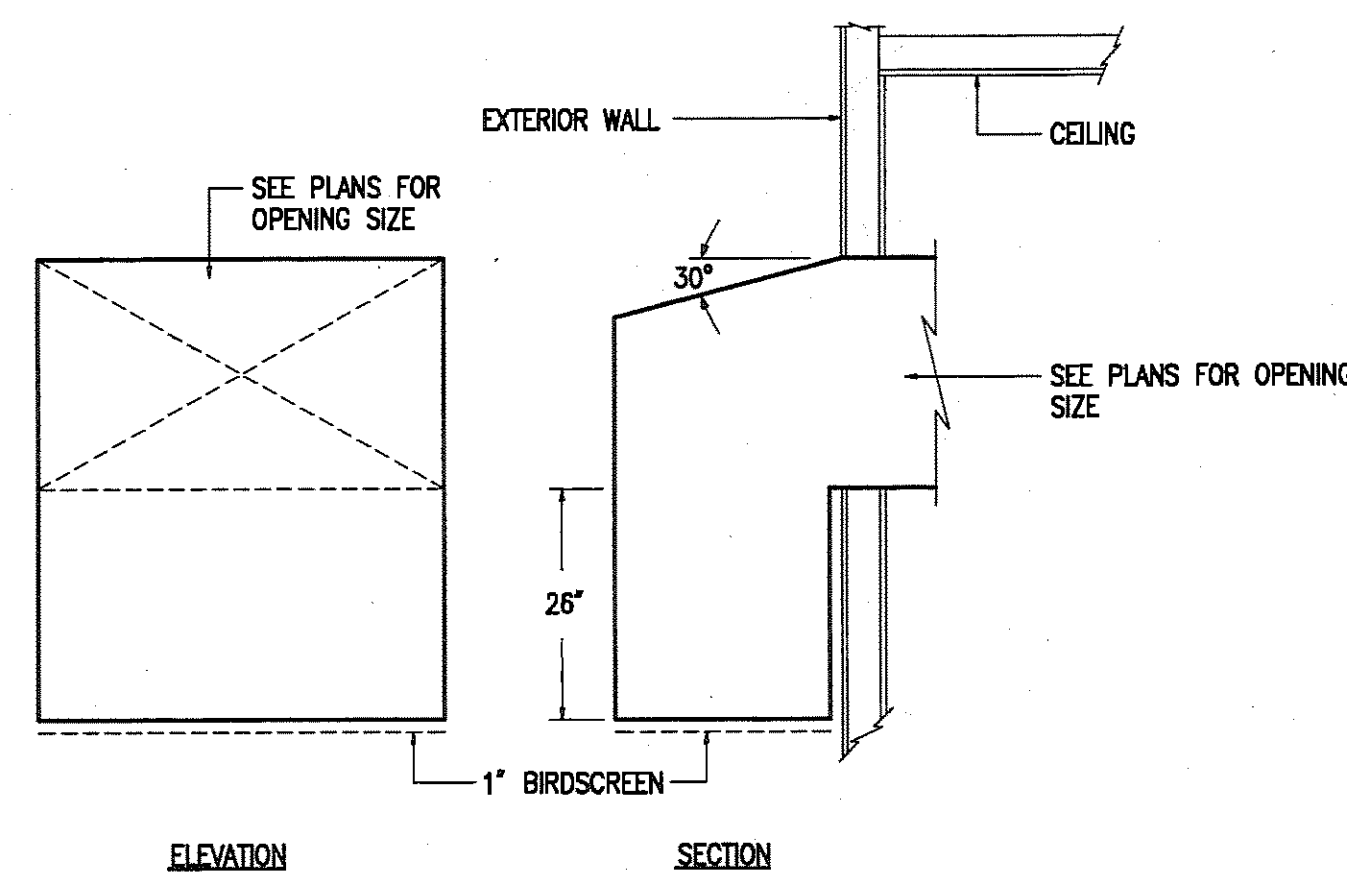


6 TYPICAL DIFFUSER DETAIL  
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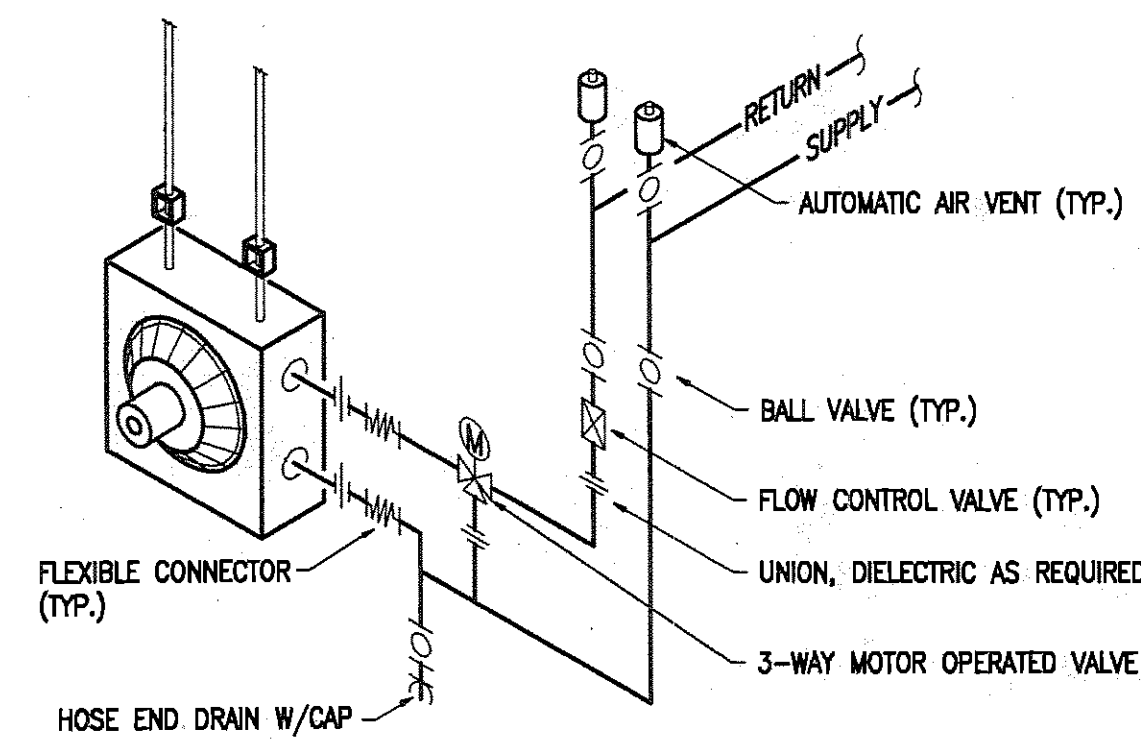


7 FIRE RISER DETAIL  
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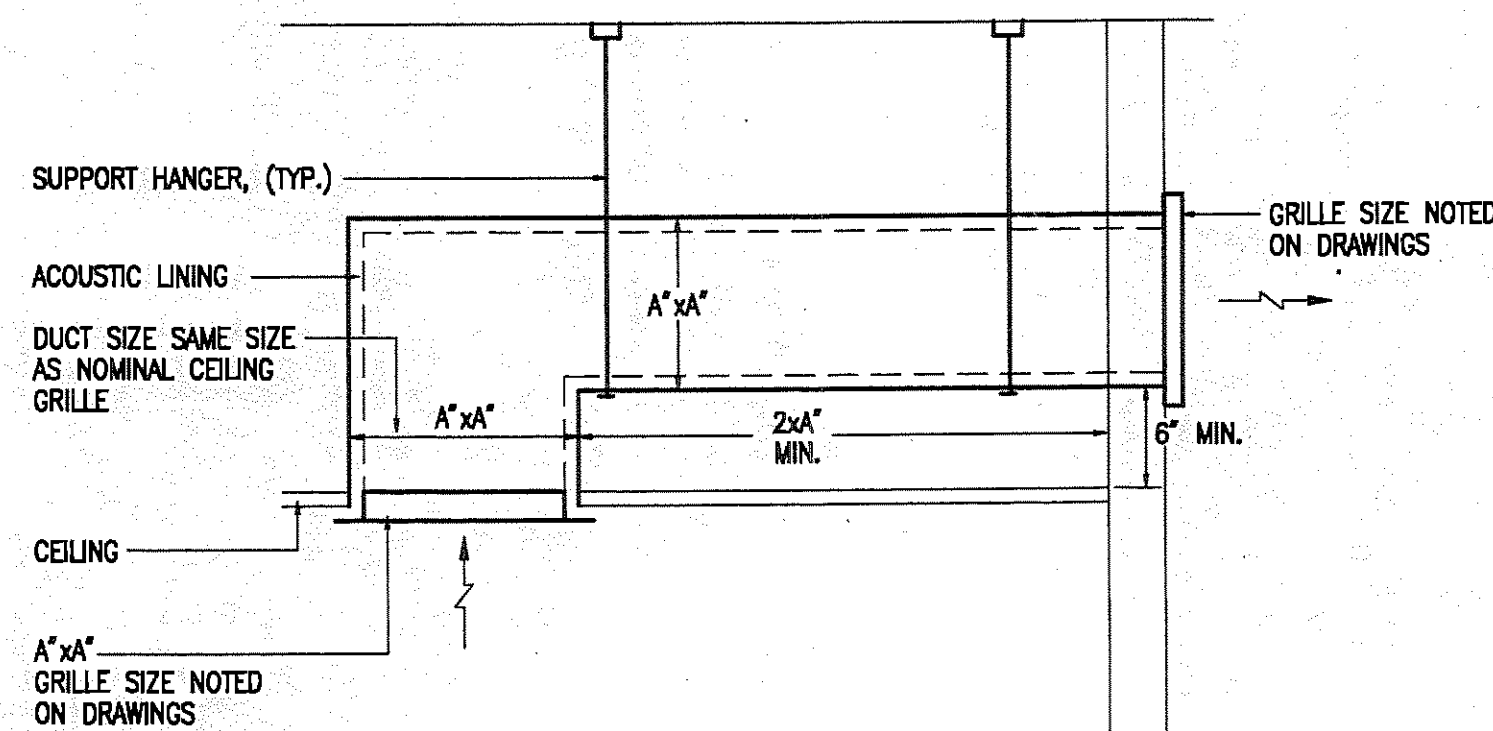
8 COMBUSTION AIR DETAIL  
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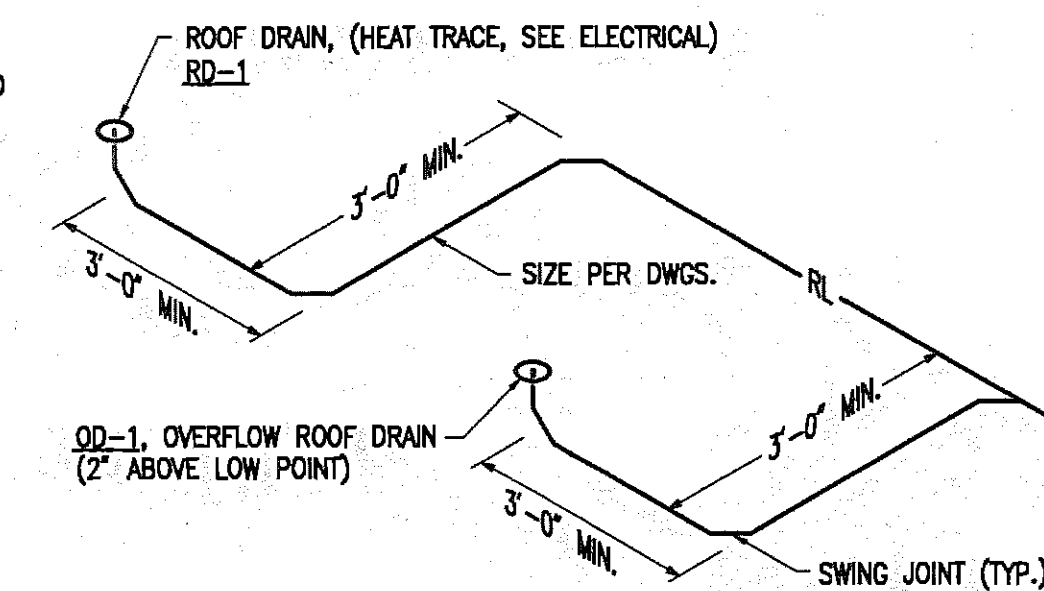
9 TYPICAL HOOD DETAIL  
NO SCALE



10 TYPICAL UNIT HEATER DETAIL  
NO SCALE



11 TRANSFER AIR DUCT DETAIL  
NO SCALE



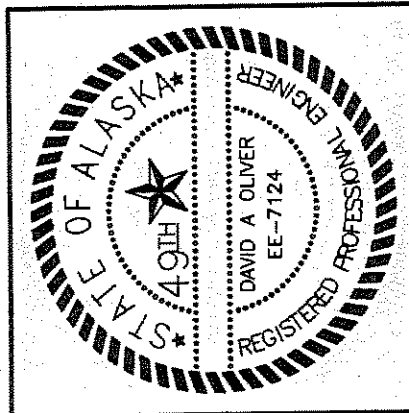
12 OVERFLOW RAINLEADER PIPING DETAIL  
NO SCALE

| ELECTRICAL LEGEND |                                                                                               |  |                                               |
|-------------------|-----------------------------------------------------------------------------------------------|--|-----------------------------------------------|
|                   | TELEPHONE FLOOR OUTLET                                                                        |  | LIGHT/FAN COMBINATION                         |
|                   | TELEPHONE OUTLET                                                                              |  | LIGHT FIXTURE - SURFACE MTD ON CLG            |
|                   | JUNCTION BOX                                                                                  |  | LIGHT FIXTURE - SURFACE MTD ON WALL           |
|                   | PHOTOCELL                                                                                     |  | LIGHT FIXTURE - RECESS MTD                    |
|                   | CLOCK                                                                                         |  | EMERGENCY EXIT LIGHT - SURFACE MTD CLG        |
|                   | P.A. SPEAKER                                                                                  |  | EMERGENCY EXIT LIGHT - SURFACE MTD WALL       |
|                   | MICROPHONE OUTLET                                                                             |  | EMERGENCY LIGHT                               |
|                   | TELEVISION OUTLET                                                                             |  | EMERGENCY FIXTURE - FLUORESCENT               |
|                   | COMPUTER OUTLET                                                                               |  | FLUORESCENT FIXTURE - RECESS MTD              |
|                   | FIRE ALARM PULL STATION                                                                       |  | FLUORESCENT FIXTURE - SURFACE MTD             |
|                   | FIRE ALARM BELL                                                                               |  | FLUORESCENT FIXTURE - WALL MTD                |
|                   | FIRE ALARM HORN                                                                               |  | FLUORESCENT FIXTURE STRIP - SURFACE MTD CLG   |
|                   | FIRE ALARM HORN AND STROBE LIGHT                                                              |  | FLUORESCENT FIXTURE STRIP - SURFACE MTD WALL  |
|                   | FIRE ALARM STROBE LIGHT                                                                       |  | TRACK LIGHT FIXTURE                           |
|                   | RATE OF RISE HEAT DETECTOR (No. INDICATES ZONE)                                               |  | AREA LIGHT - OUTDOORS, WEATHERPROOF           |
|                   | FIXED TEMPERATURE HEAT DETECTOR (TEMPERATURE AS INDICATED)                                    |  | FLOODLIGHT - OUTDOORS, WEATHERPROOF           |
|                   | SMOKE DETECTOR (No. INDICATES ZONE)                                                           |  | FIXTURE TAG (LETTER INDICATES TYPE)           |
|                   | DUCT SMOKE DETECTOR (No. INDICATES ZONE)                                                      |  | MOTOR (SIZED AS NOTED)                        |
|                   | MAGNETIC HOLD OPEN                                                                            |  | DISCONNECT SWITCH                             |
|                   | CONDUIT                                                                                       |  | DISCONNECT SWITCH (FUSED)                     |
|                   | CONDUIT ONLY                                                                                  |  | COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER |
|                   | WEATHERPROOF                                                                                  |  | FRACTIONAL HORSEPOWER MOTOR STARTER           |
|                   | GROUND FAULT CIRCUIT INTERRUPTER                                                              |  | SINGLE POLE SWITCH                            |
|                   | NIGHTLIGHT                                                                                    |  | 2-POLE SWITCH                                 |
|                   | DENOTES EXISTING ITEM                                                                         |  | THREE WAY SWITCH, FOUR WAY SWITCH             |
|                   | DENOTES EXISTING ITEM THAT HAS BEEN RELOCATED                                                 |  | DIMMER SWITCH                                 |
|                   | DENOTES EMERGENCY POWER                                                                       |  | KEY OPERATED SWITCH                           |
|                   | SURFACE RACEWAY                                                                               |  | PILOT LIGHT SWITCH                            |
|                   | PLUGMOLD                                                                                      |  | INTERCOM CALL-IN SWITCH                       |
|                   | STAFF TELEPHONE                                                                               |  | CONDUIT, CONCEALED                            |
|                   | INTERCOM STATION                                                                              |  | NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)   |
|                   | SPRINKLER WATER FLOW SWITCH                                                                   |  | HOMERUN TO PANEL (PANEL AND CIRCUIT No.)      |
|                   | SPRINKLER VALVE TAMPER SWITCH                                                                 |  | PANEL                                         |
|                   | DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL) |  | DUPLEX RECEPTACLE                             |
|                   | NOTE TAG (No. INDICATES NOTE)                                                                 |  | SPLIT-WIRED RECEPTACLE                        |
|                   | EQUIPMENT TAG (No. INDICATES TYPE)                                                            |  | QUADRUPLEX RECEPTACLE                         |
|                   | END OF LINE DEVICE                                                                            |  | RECEPTACLE FLOOR OUTLET - DUPLEX, QUADRUPLEX  |
|                   | FIRE ALARM CONTROL PANEL                                                                      |  | SPECIAL PURPOSE OUTLET                        |

| FIXTURE SCHEDULE |                         |                                               |                                                                                                                                                                                    |          |                      |           |
|------------------|-------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------|-----------|
| TYPE             | LOCATION                | MANUFACTURER AND CATALOG NUMBER               | DESCRIPTION                                                                                                                                                                        | MOUNTING |                      | LAMPS     |
|                  |                         |                                               |                                                                                                                                                                                    | TYPE     | HEIGHT               | NO. WATTS |
| A                | SUPPLY AND WALK LOCKERS | LITHONIA AF296 120 WG3 VALMONT E296FDP1120G01 | 8" INDUSTRIAL TURRET FIXTURES W/ 20% UPLIGHT, 96" TB LAMPS AND ELECTRONIC BALLAST.                                                                                                 | SURFACE  | BOTTOM OF BAR JOISTS | 2 59      |
| B                | STORAGE                 | LITHONIA AW232 AR 120 ES                      | 4' WRAPAROUND FIXTURE W/ HIGH-IMPACT RESISTANT ACME STYLE ACRYLIC DIFFUSER, TB LAMPS AND ELECTRONIC BALLAST.                                                                       | SURFACE  | CLG.                 | 2 32      |
| B1               | TOILET ROOMS            | LITHONIA AW232 AR 120 WL ES                   | SAME AS "B" EXCEPT DAMP LISTED.                                                                                                                                                    | SURFACE  | CLG.                 | 2 32      |
| C                | SHOWERS                 | LITHONIA DMW 232 AR 120 ES                    | 4' WET LOCATION FLUORESCENT FIXTURE W/ HIGH IMPACT RESISTANT ACRYLIC DIFFUSER, TB LAMPS AND ELECTRONIC BALLAST.                                                                    | SURFACE  | CLG.                 | 2 32      |
| D                | AS SHOWN                | LITHONIA 2SPGD 232 RM A12.125 120 ES          | 2' X 4' GRID TROFFER W/ #12 ACRYLIC .125" THICK LENS, REGRESSED ALUMINUM BLACK FRAME, TB LAMPS AND ELECTRONIC BALLAST, DUAL AIR SUPPLY AND HEAT REMOVAL                            | RECESSED | CLG.                 | 2 32      |
| D1               | EXERCISE AREA           | LITHONIA 2SP 232 RM A12.125 120 ES            | SAME AS "D" EXCEPT NO AIR SUPPLY AND HEAT REMOVAL                                                                                                                                  | RECESSED | CLG.                 | 2 32      |
| E                | OFFICES                 | LITHONIA 2PMDGD 332 27LS 120 ES               | 2' X 4' VDT COMPLIANT PARABOLIC TROFFER W/ SEMI IRIDESCENT SILVER LOUVER, OCTRON LAMPS, AND ELECTRONIC BALLAST, DUAL AIR SUPPLY AND HEAT REMOVAL                                   | RECESSED | CLG.                 | 2 32      |
| F                | EXTERIOR                | RUUD PN4525-M-F                               | 16" HPS NARROW PARABOLIC FLOOD FIXTURE WITH YOKE MOUNTING, DIA CAST ALUMINUM HOUSING, HYDROFORMED ALUMINUM REFLECTOR AND LOW TEMPERATURE BALLAST                                   | POLE     | 30'                  | 1 250 HPS |
| F1               | EXTERIOR                | RUUD CF4525-M-F                               | 16" CUTOFF FLOODLIGHT, HPS WITH YOKE MOUNT FOR WALL INSTALLATION, 120VAC.                                                                                                          | WALL     | 15'                  | 1 250 HPS |
| H                | MAINTENANCE WORKBAY     | LITHONIA #TX400MA26-120-LCPP-TPH              | LOWBAY, METAL HALIDE FIXTURE, HPF BALLAST, 120V, THRU-WIRE POWER HOOK, WITH LOOP, CORD AND PLUG.                                                                                   | PENDANT  | 18' AFF              | 1 400 MH  |
| J                | EXTERIOR                | RUUD #PRW540-M-F                              | HPS WALL MOUNTED FIXTURE, 120VAC, TOTALLY ENCLOSED, HIGH IMPACT GLASS AND LOW TEMP BALLAST                                                                                         | WALL     | AS SHOWN             | 1 400 HPS |
| J1               | EXTERIOR                | RUUD #PR1540-M-F                              | SAME AS TYPE "J" EXCEPT POLE MOUNT                                                                                                                                                 | POLE     | 30'                  | 1 400 HPS |
| K                | EXTERIOR                | LITHONIA #YRR70S-120--70WF                    | HPS CANOPY FIXTURE WITH HPF BALLAST.                                                                                                                                               | CANOPY   | BOTTOM OF CANOPY     | 1 70 HPS  |
| L                | OFFICES CLASSROOMS      | LITHONIA #2PM4GD332-18LD-120-ES               | 2x4 PARABOLIC TROFFER WITH ELECTRONIC BALLAST, 18 CELL, TB LAMPS, DUAL AIR AND HEAT REMOVAL                                                                                        | RECESSED | CLG.                 | 3 32      |
| M                | RESTROOMS               | LITHONIA #WC-132-A-120                        | 4' ALL PURPOSE WALL BRACKET WITH ELECTRONIC BALLAST, MATTE WHITE OPAL ACRYLIC DIFFUSER AND TB LAMP                                                                                 | WALL     | ABOVE MIRROR         | 1 32      |
| N                | FLAMMABLE STORAGE       | DAY-BRITE #VTWT232-CA-120-1/2EB               | 4' HAZARDOUS LOCATION CLASS 1, DIVISION 2, GROUPS C & D FIXTURE. CLEAR ACRYLIC LENS, TB LAMPS AND ELECTRONIC BALLAST.                                                              | SURFACE  | CLG.                 | 2 32      |
| EM               | AS SHOWN                | EMERGI-LITE #PRO-2                            | SELF-CONTAINED EMERGENCY LIGHT WITH FULLY ADJUSTABLE SELF-LOCKING HEADS, POLYCARBONATE BODY AND BACKPLATE, 6 VOLT MAINTENANCE FREE BATTERY FOR 90 MINUTE OPERATION & ACRYLIC LENS. | SURFACE  | +8'-0"               | 2 6 HIT   |
| X                | EXIT DOORS              | LITHONIA #LES-1G-120/277-ELN-FI               | LED, SELF-POWERED EXIT SIGN, NICAD BATTERY, 120V GREEN PANEL, BRUSHED ALUMINUM SURFACE, SINGLE FACE, FIRE ALARM FLASHING INTERFACE WITH UNIVERSAL MOUNTING                         | WALL     | ABOVE DOORS          | 1 7.1     |
| X1               | CORRIDOR                | LITHONIA #LES-2G-120/277-ELN-FI               | SAME AS TYPE "X" EXCEPT DOUBLE FACE.                                                                                                                                               | CEILING  | CLG                  | 2 7.1     |

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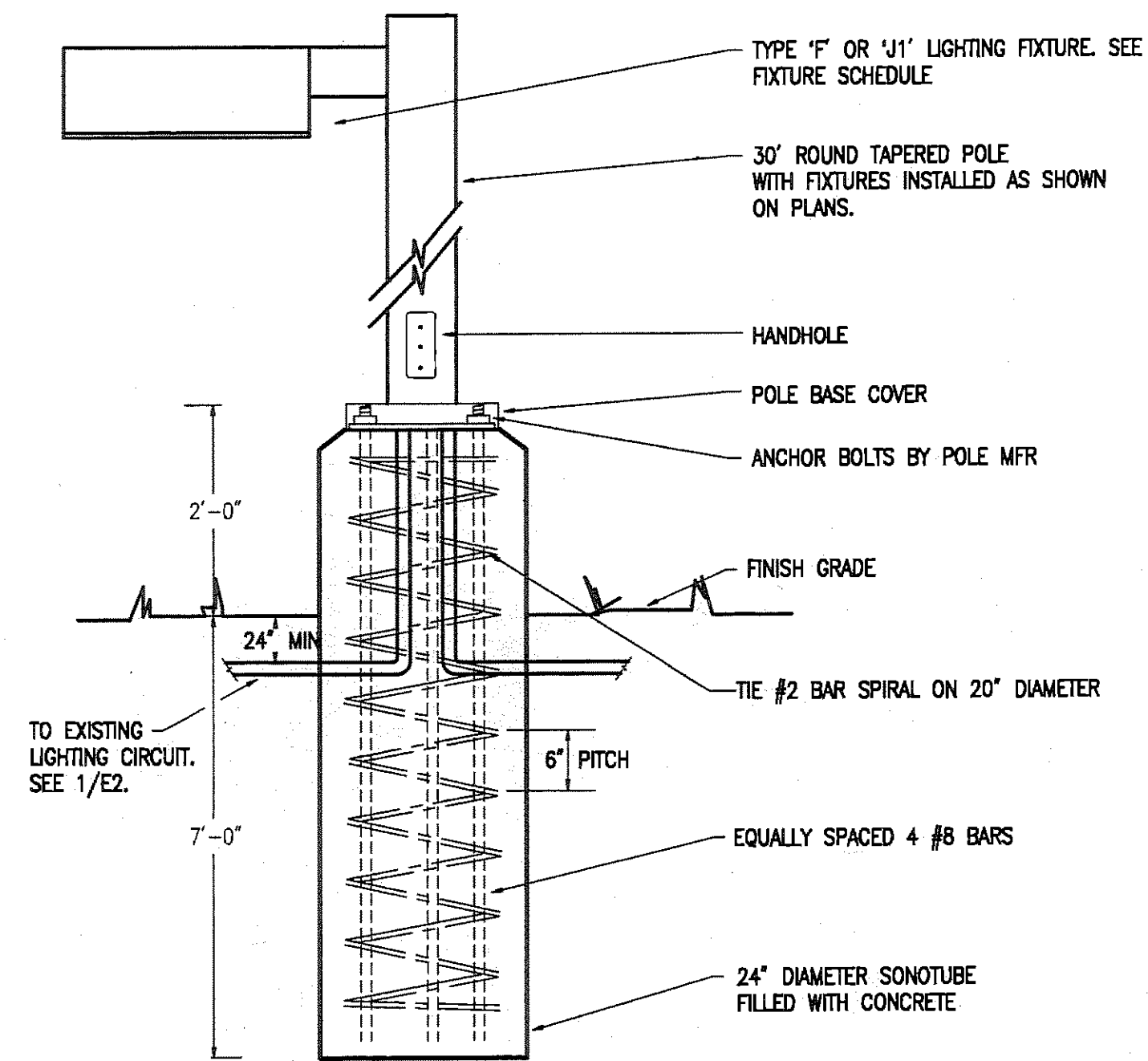
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DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

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drawn: RWM  
designed: TLB  
checked: DAO  
revised:

LEGEND &  
FIXTURE SCHEDULE

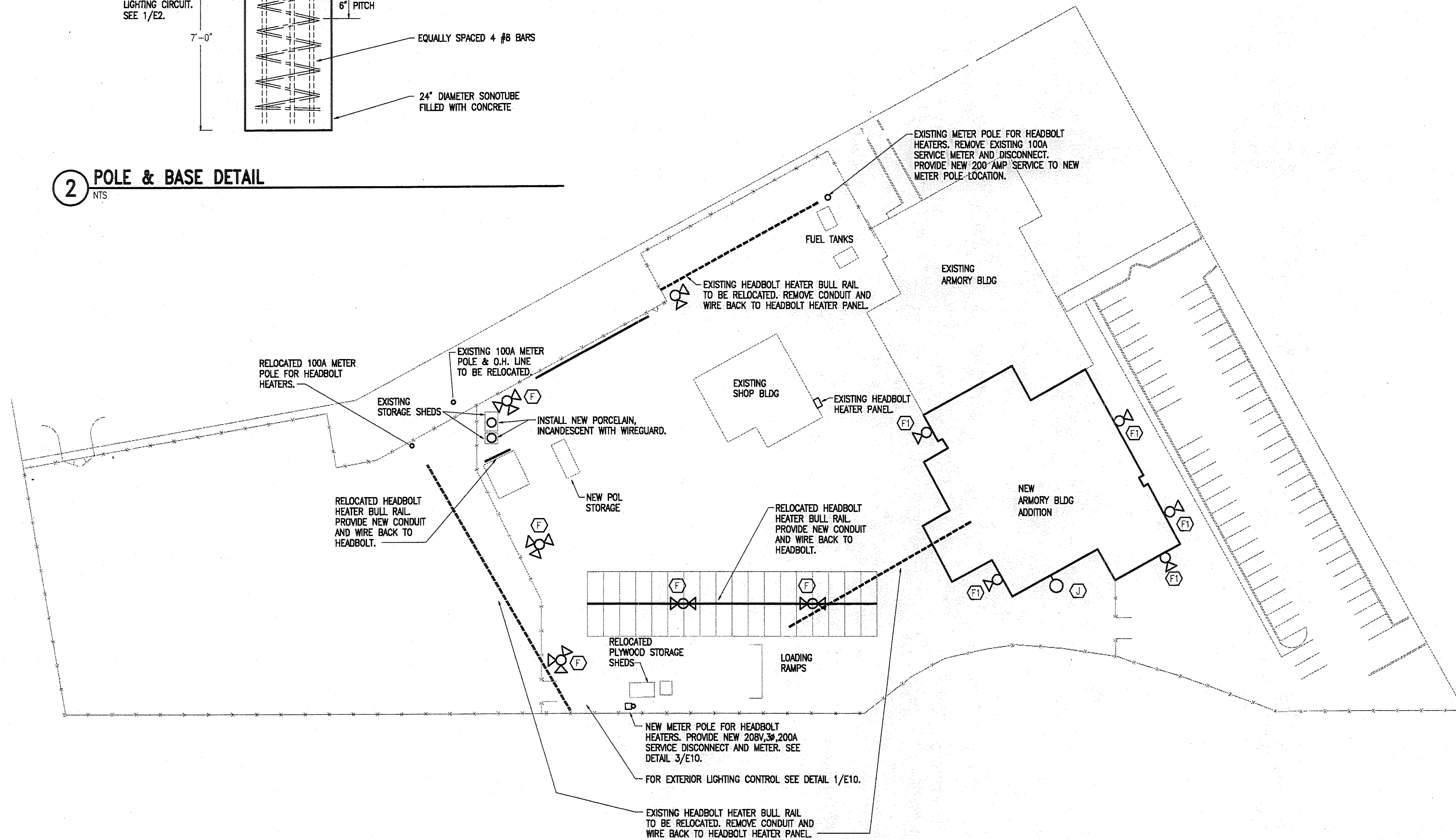
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sheet no.  
F-1



## 2 POLE & BASE DETAIL

NTS



## 1 ELECTRICAL SITE PLAN

1"=40'



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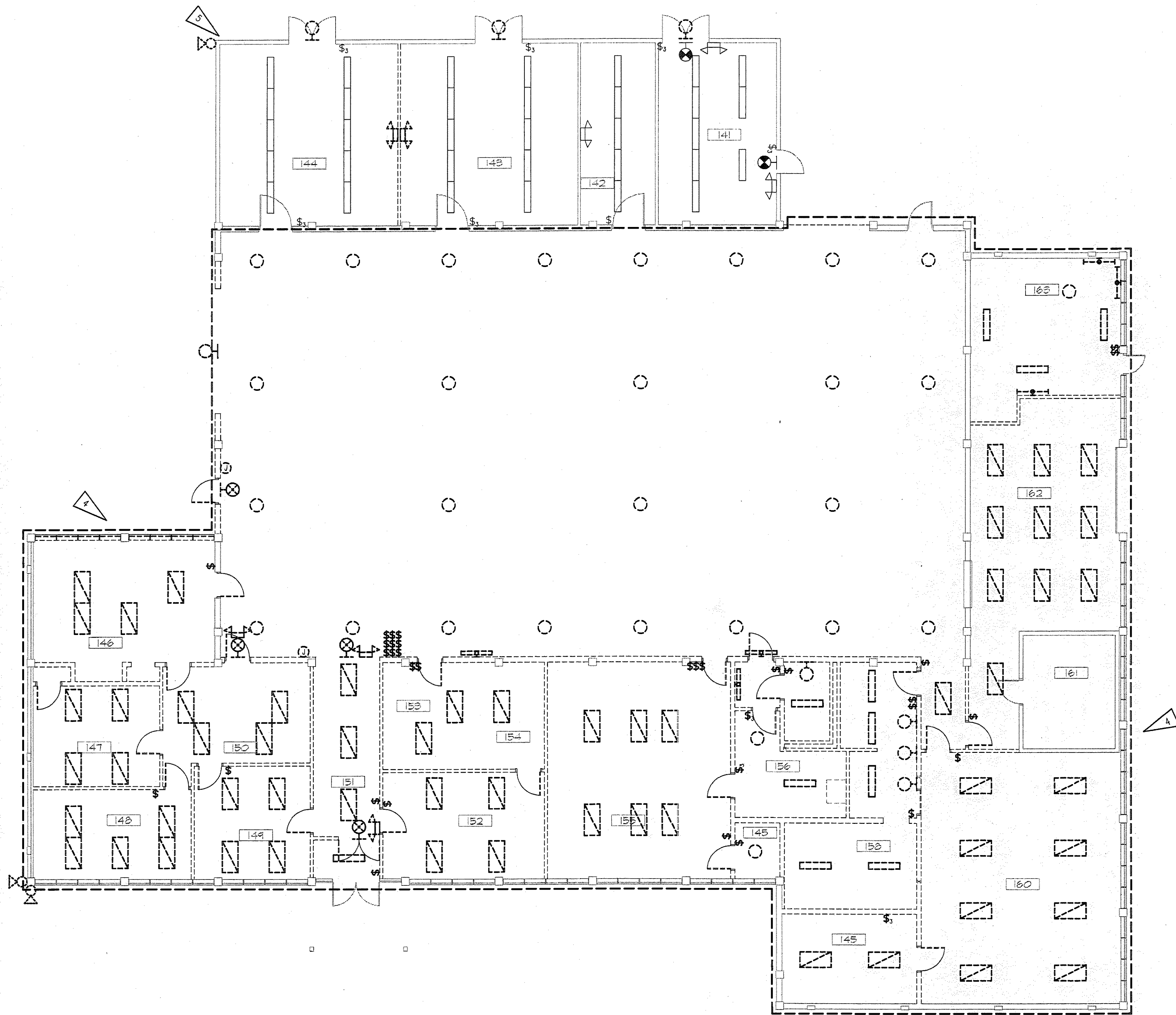
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SITE PLAN &  
DETAILS  
DOT/PF PROJECT No. 65892

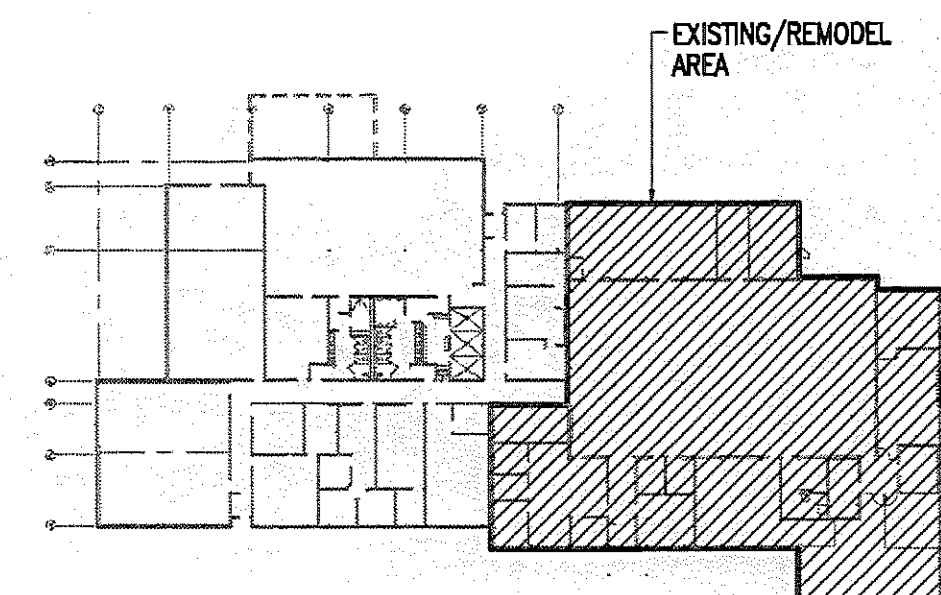
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E-2

JOB NUMBER: 94045



# NOTES:

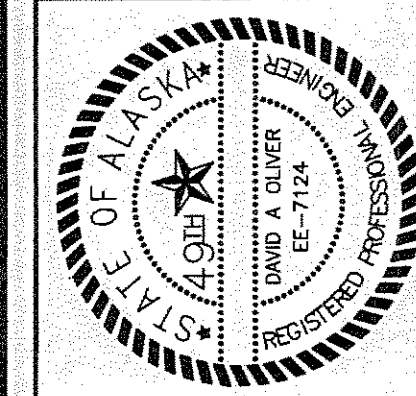
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3. DASHED OR DOTTED LINES INDICATE EXISTING ITEMS TO BE REMOVED.
4. REMOVE ALL ELECTRICAL DEVICES AND CIRCUITS IN THIS AREA (UNLESS OTHERWISE NOTED) BACK TO SERVICE ENTRANCE.
5. EXISTING OVERHEAD TELEPHONE CABLE ENTRANCE (FROM OMS BUILDING). RELOCATE AS REQUIRED TO ACCOMMODATE NEW BUILDING ADDITION.



KEYPLAN  
NTS

1 LIGHTING DEMOLITION PLAN - EXISTING AREA  
1/8" = 1'-0"

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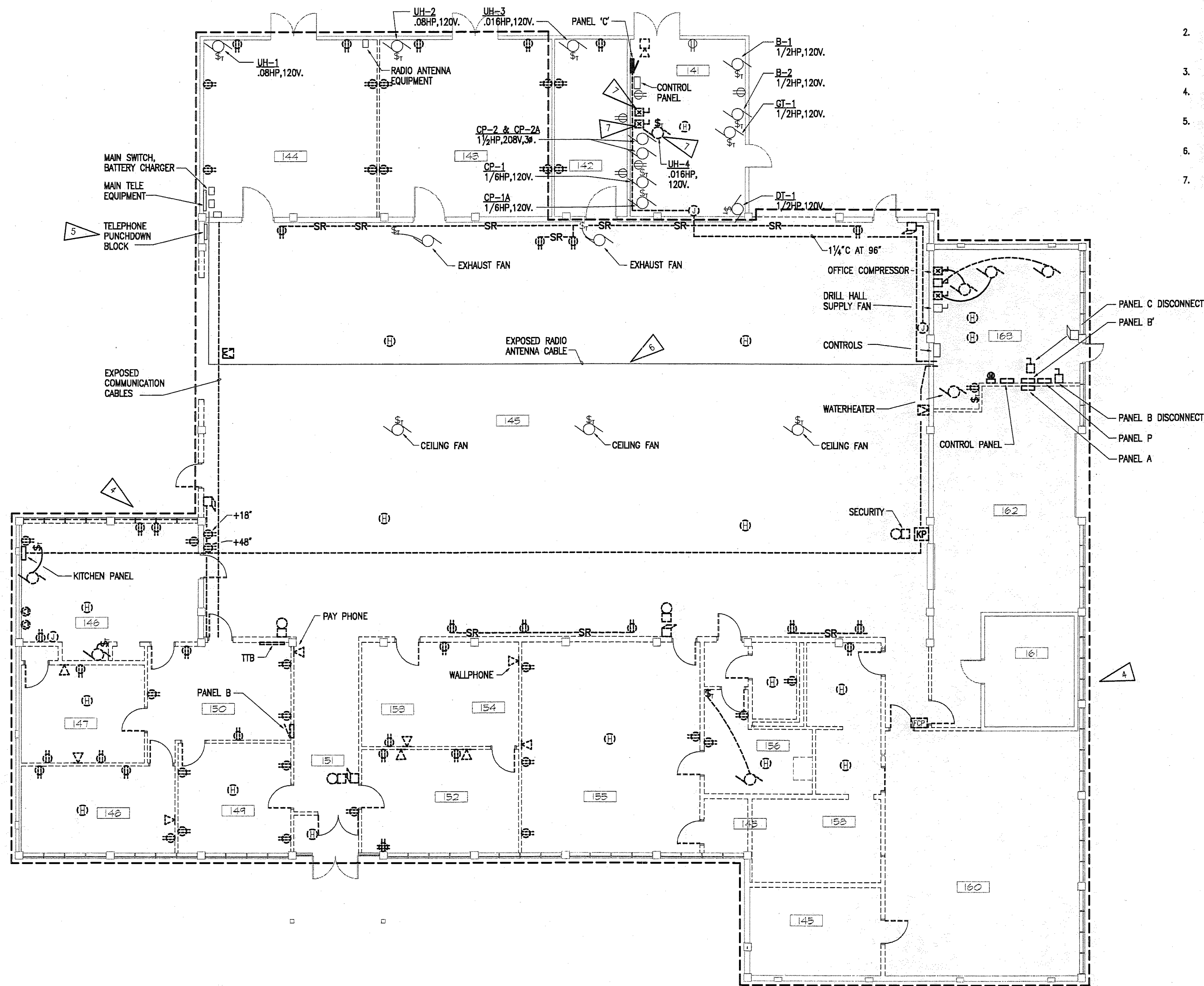
LIGHTING DEMOLITION PLAN

DOT/PF PROJECT No. 65892

sheet no.  
E-3

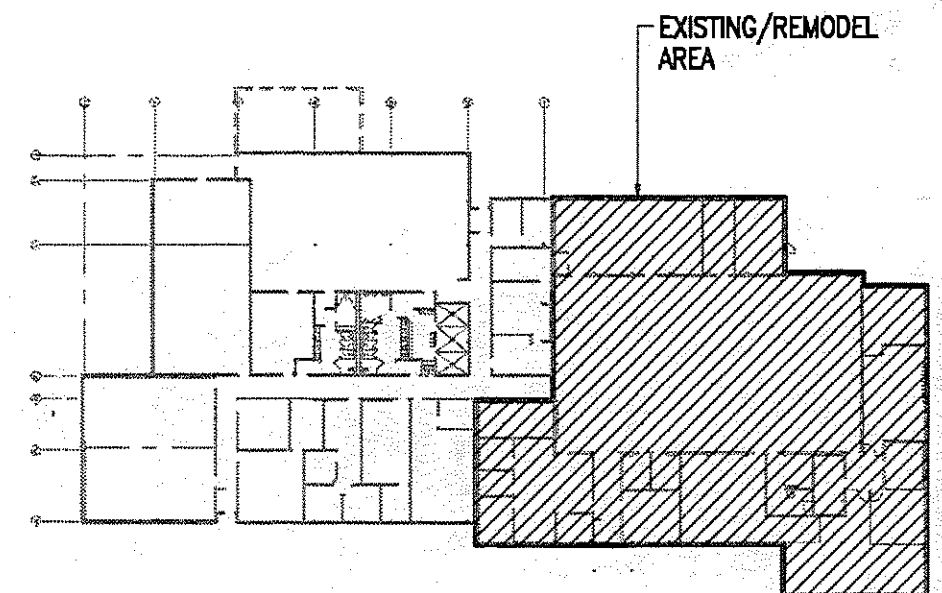
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2. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
3. DASHED OR DOTTED LINES INDICATE EXISTING ITEMS TO BE REMOVED.
4. REMOVE ALL ELECTRICAL DEVICES AND CIRCUITS IN THIS AREA (UNLESS OTHERWISE NOTED) BACK TO SERVICE ENTRANCE.
5. COORDINATE WITH OWNER FOR RELOCATION TO NEW TELEPHONE ROOM PRIOR TO START OF WORK.
6. REMOVE AND RELOCATE AS REQUIRED TO ACCOMPLISH OTHER WORK. COORDINATE WITH OWNER PRIOR TO DISTURBING.
7. DEVICE TO BE RELOCATED. SEE 1/E6.



KEYPLAN  
NTS



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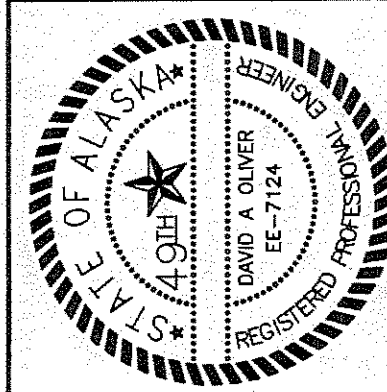
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POWER & SIGNAL  
DEMOLITION PLAN

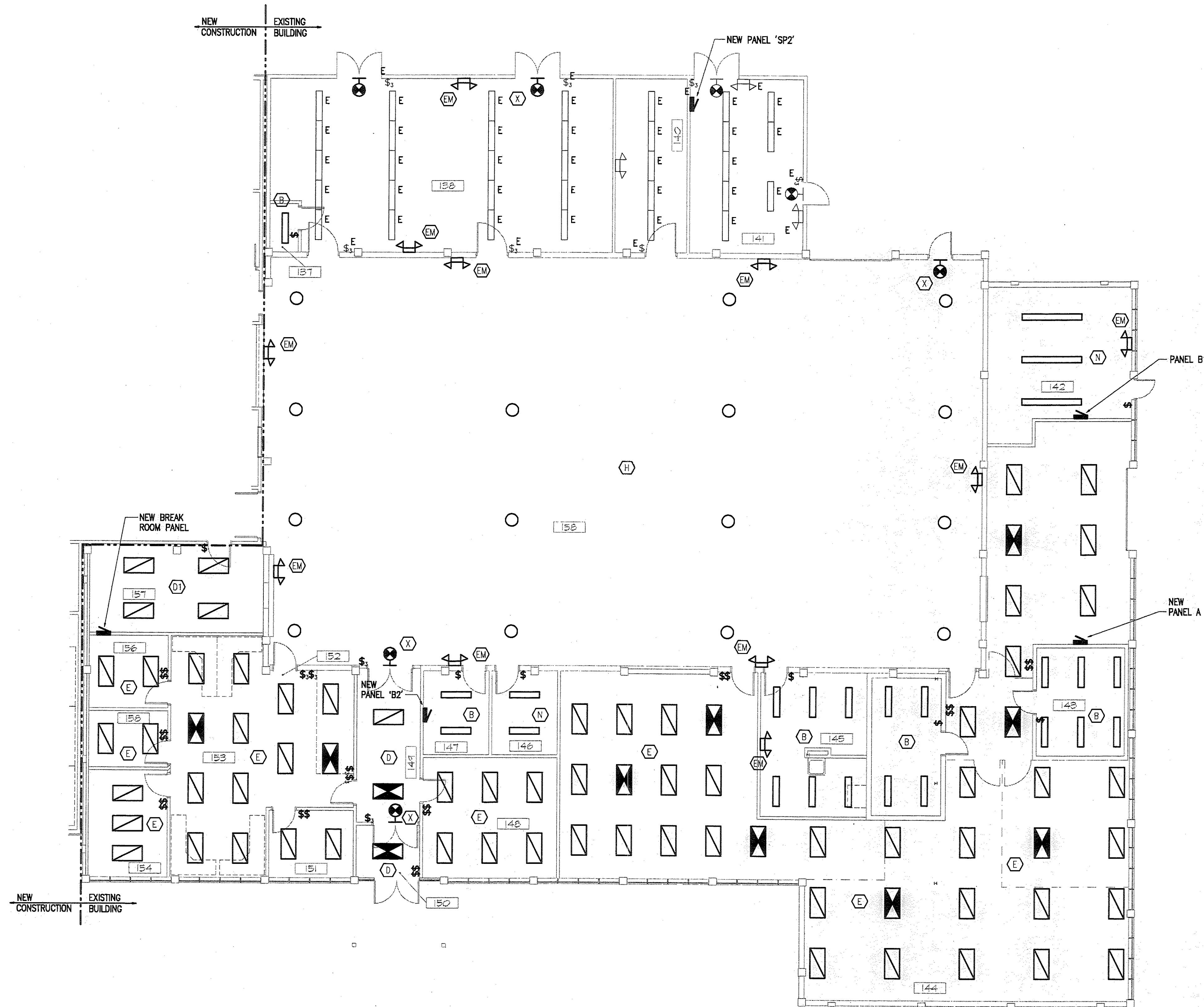
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E-4

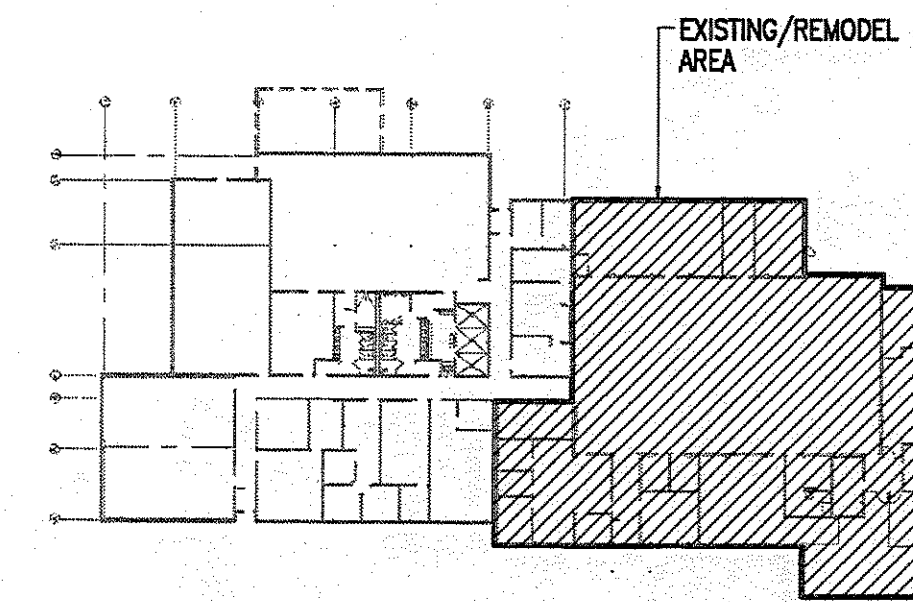
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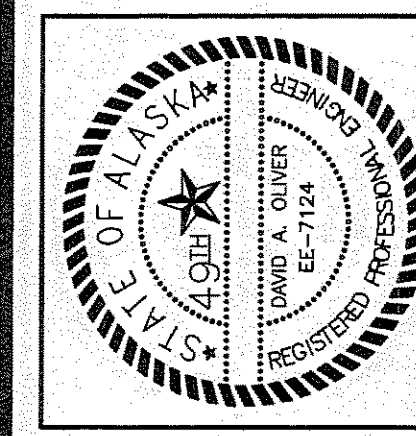
1 LIGHTING PLAN - EXISTING AREA  
1/8" = 1'



KEYPLAN  
NTS

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EXISTING AREA LIGHTING PLAN  
DOT/PF PROJECT No. 65892

sheet no.  
F-5

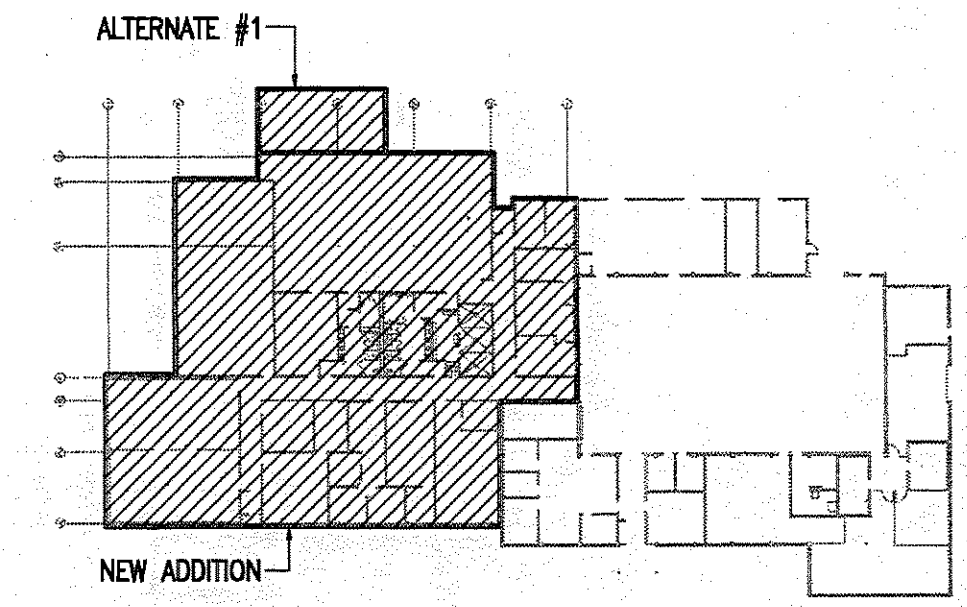
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**NOTES:**

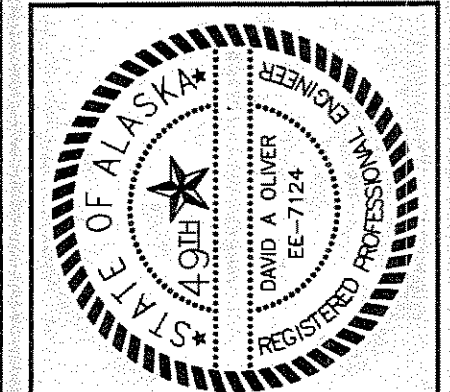
1. UNDER ADDITIVE ALTERNATE #1: PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT IN THIS AREA.
2. MOUNT AS SHOWN IN DETAIL 5/E10.



**KEYPLAN**  
NTS

**1 LIGHTING PLAN - NEW ADDITION**  
1/8"=1'-0"

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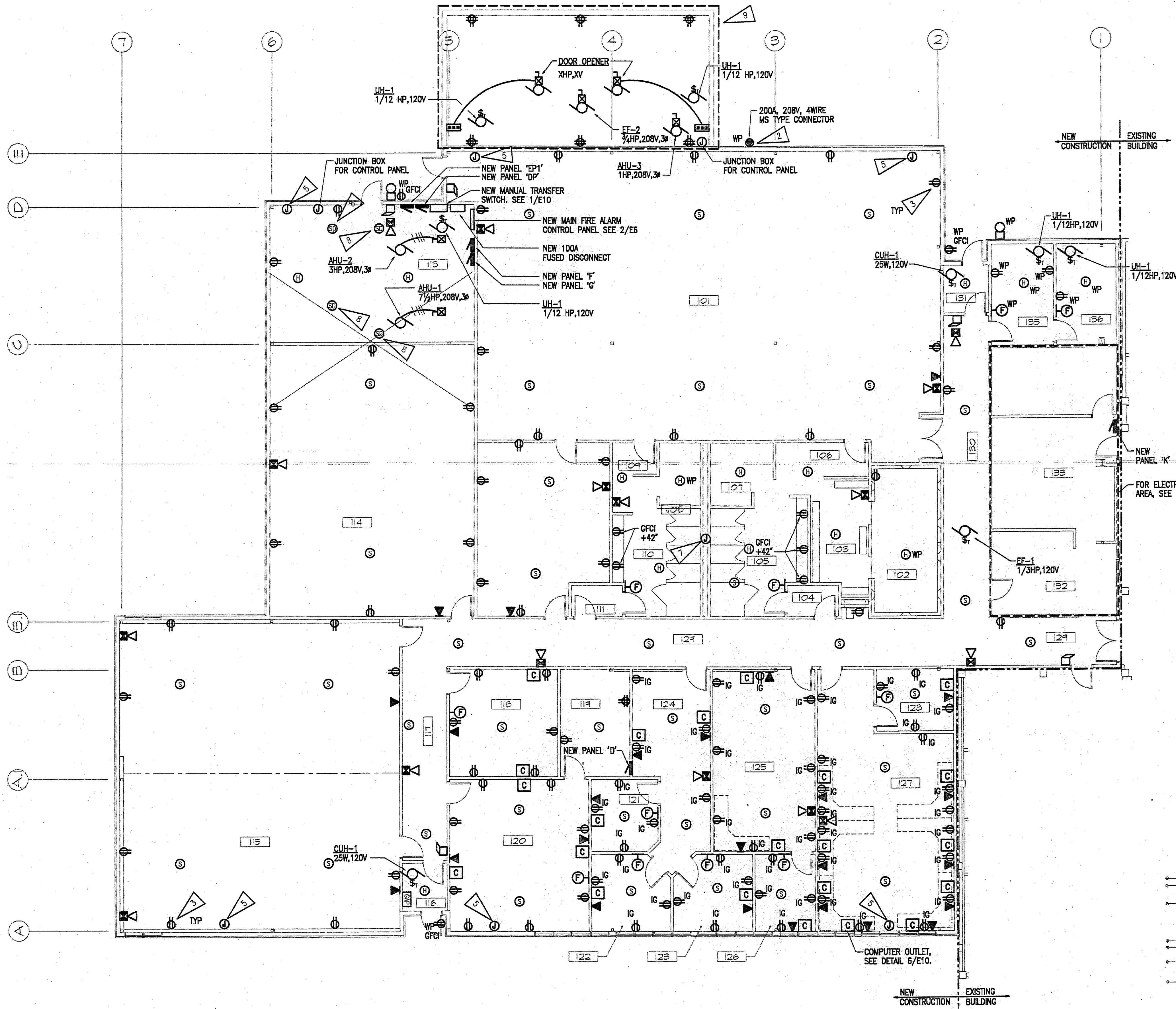


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NEW ADDITION LIGHTING PLAN  
DOT/PF PROJECT No. 65892  
sheet no. **E-7**

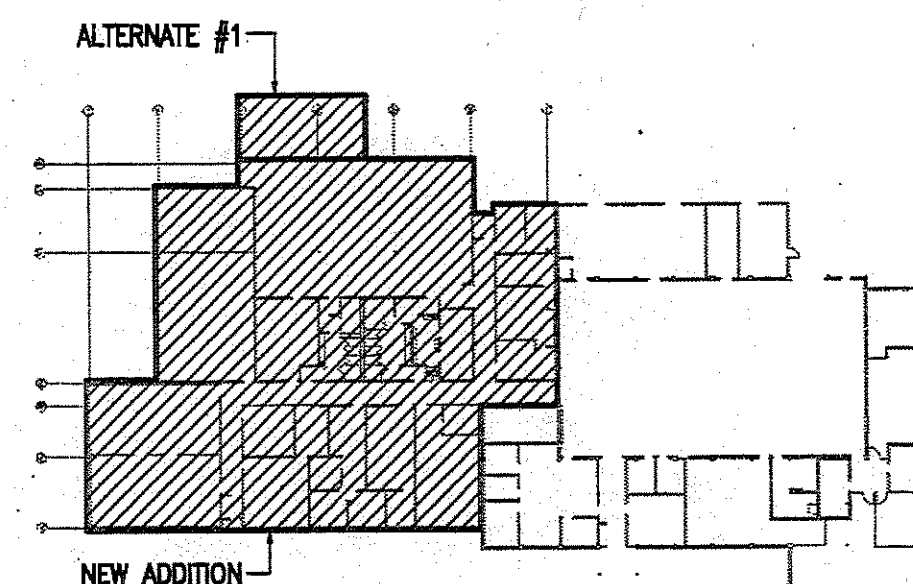
JOB NUMBER: 940-45



# **NOTES:**

- DUCT SMOKE DETECTOR FOR AHU-1 AND AHU-2. PROVIDE 2 SETS OF CONTACTS, 1 TO FIRE ALARM CONTROL PANEL, 1 TO SHUT DOWN AIRHANDLER. SEE MECHANICAL DRAWINGS FOR LOCATION OF AIR HANDLERS AND DUCT WORK.
- VERIFY CONNECTOR TYPE WITH OWNER PRIOR TO INSTALLATION TO ASSURE COMPATIBILITY WITH EXISTING OWNER PROVIDED GENERATOR CONNECTORS.
- MAINTAIN VAPOR BARRIER AT EXTERIOR WALLS, SEE DETAIL 4/E10.
- UNDER ADDITIVE ALTERNATE #1: PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT IN THIS AREA.
- JUNCTION BOX FOR CONNECTION OF HEAT TRACE TO ROOF DRAINS, TYPICAL SEE DETAIL 6/E10.
- JUNCTION BOX FOR CONNECTION OF HEAT TRACE TO ROOF VENT. SEE DETAIL 8/E10.

FOR ELECTRICAL WORK IN THIS AREA, SEE DETAIL 1/E9.

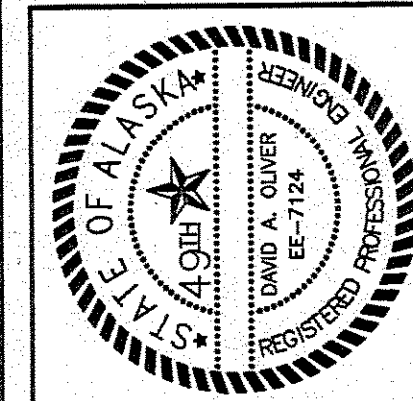


**KEYPLAN**

NTS

**1 POWER AND SIGNAL PLAN - NEW ADDITION**  
1/8"=1'-0"

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**DESIGN DEVELOPMENT SUBMITTAL**  
**DMVA/FMO PROJECT No. 020022**  
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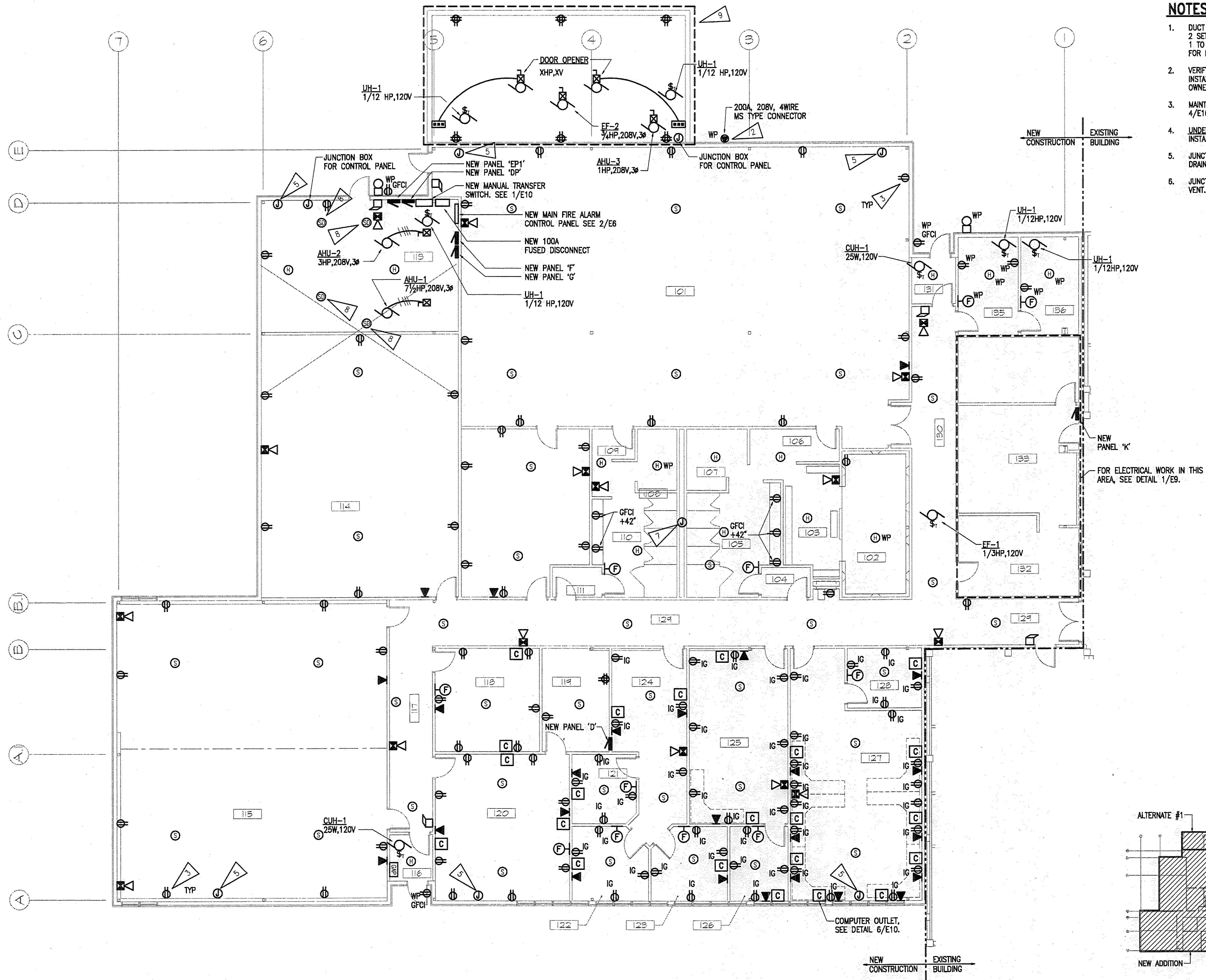
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**NEW ADDITION POWER & SIGNAL PLAN**

sheet no. **E-8**

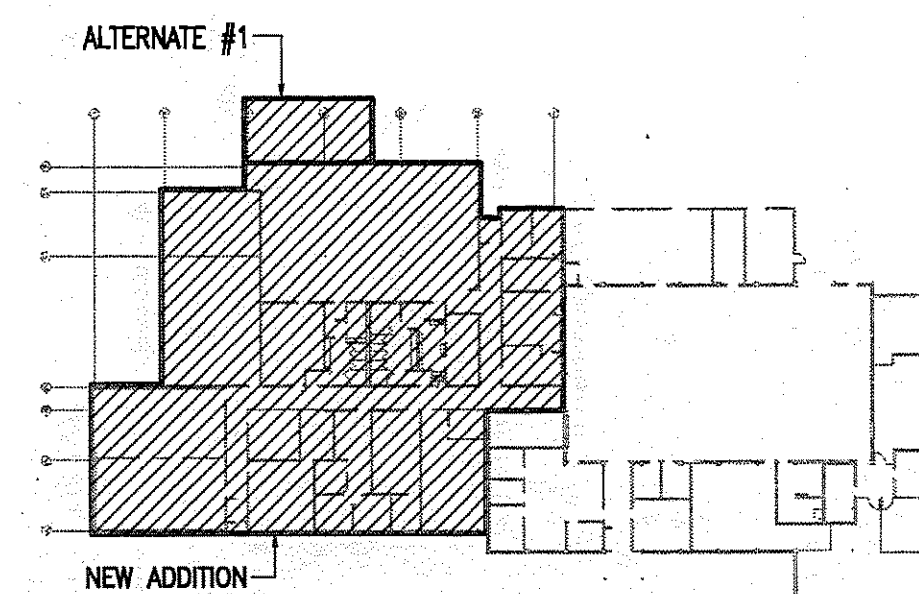
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**NOTES:**

- DUCT SMOKE DETECTOR FOR AHU-1 AND AHU-2. PROVIDE 2 SETS OF CONTACTS, 1 TO FIRE ALARM CONTROL PANEL, 1 TO SHUT DOWN AIRHANDLER. SEE MECHANICAL DRAWINGS FOR LOCATION OF AIR HANDLERS AND DUCT WORK.
- VERIFY CONNECTOR TYPE WITH OWNER PRIOR TO INSTALLATION TO ASSURE COMPATIBILITY WITH EXISTING OWNER PROVIDED GENERATOR CONNECTORS.
- MAINTAIN VAPOR BARRIER AT EXTERIOR WALLS, SEE DETAIL 4/E10.
- UNDER ADDITIVE ALTERNATE #1: PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT IN THIS AREA.
- JUNCTION BOX FOR CONNECTION OF HEAT TRACE TO ROOF DRAINS, TYPICAL. SEE DETAIL 6/E10.
- JUNCTION BOX FOR CONNECTION OF HEAT TRACE TO ROOF VENT. SEE DETAIL 8/E10.

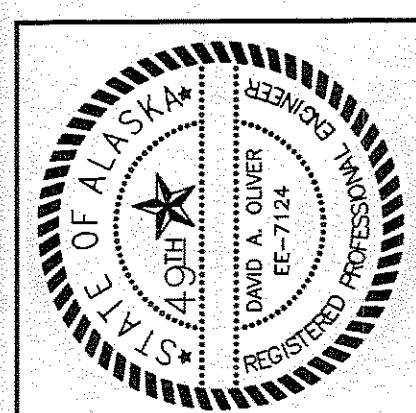


**KEYPLAN**  
NTS

**1 POWER AND SIGNAL PLAN - NEW ADDITION**  
1/8"=1'-0"

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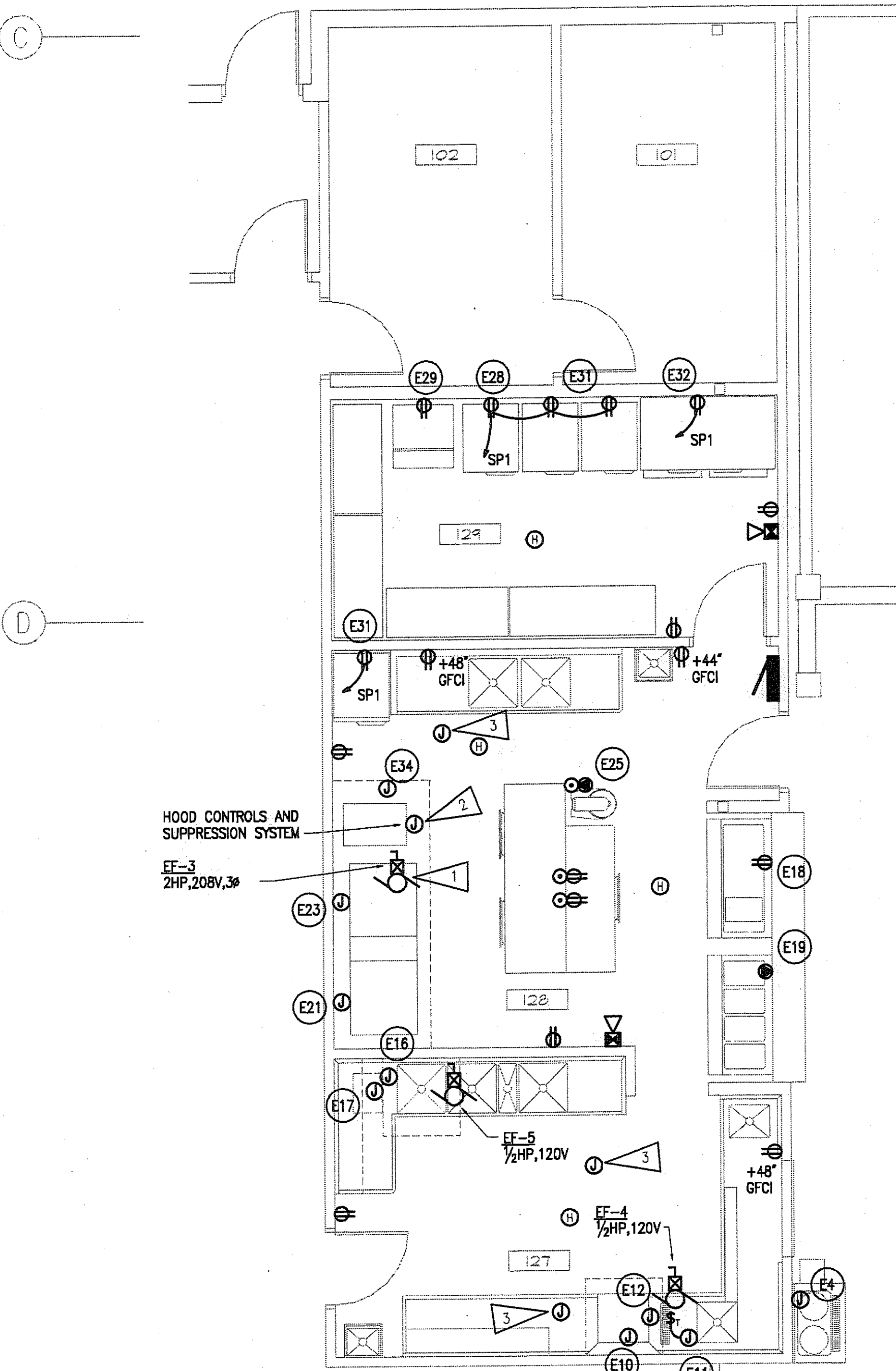
FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: RWM  
designed: TLB  
checked: DAO  
revised:

NEW ADDITION POWER &  
SIGNAL PLAN

sheet no.  
**E-8**

DOT/PF PROJECT No. 65892



1 KITCHEN POWER AND SIGNAL PLAN  
1/4" = 1'-0"

| KITCHEN EQUIPMENT SCHEDULE |                       |                   |                                    |
|----------------------------|-----------------------|-------------------|------------------------------------|
| NR.                        | DESCRIPTION           | POWER REQUIREMENT | REMARKS                            |
| E4                         | COFFEE URN            | 22A, 208V, 3ø     | JUNCTION BOX, VERIFY CONN., 4-WIRE |
| E10                        | DISHWASHER            | 40A, 208V, 3ø     | JUNCTION BOX, HARDWIRE             |
| E11                        | GARBAGE DISPOSAL      | 5HP, 208V, 3ø     | JUNCTION BOX, HARDWIRE             |
| E12                        | DISHWASHER HOOD       | 120V              | JUNCTION BOX, HARDWIRE             |
| E16                        | SINK HEATER           | 9KW, 208V, 3ø     | JUNCTION BOX, HARDWIRE             |
| E17                        | HOW WATER BOOSTER     | 15KW, 208V, 3ø    | JUNCTION BOX, HARDWIRE             |
| E18                        | REFRIG FOOD COUNTER   | 120V              | NEMA 5-20R                         |
| E19                        | HOT FOOD COUNTER      | 120V              | VERIFY REQUIREMENTS                |
| E21                        | HOT TOP RANGE         | 22KW, 208V, 3ø    | JUNCTION BOX, HARDWIRE             |
| E23                        | GRIDDLE TOP RANGE     | 22KW, 208V, 3ø    | JUNCTION BOX, HARDWIRE             |
| E25                        | MIXER/CART            | 1HP, 120V         | VERIFY CONNECTION                  |
| E28                        | REACH-IN REFRIGERATOR | 8.6A, 120V        | NEMA 5-20R                         |
| E29                        | ICE MACHINE           | 12A, 120V         | NEMA 5-20R                         |
| E31                        | REACH-IN REFRIGERATOR | 8.6A, 120V        | NEMA 5-20R                         |
| E32                        | REFRIGERATOR ROLL-IN  | 16A, 120V         | NEMA 5-20R                         |
| E34                        | HOOD LIGHTS           | 120V              | JUNCTION BOX, HARDWIRE             |
| E35                        | HOOD EXHAUST FAN      | 1½HP, 208V, 3ø    | TYPE 1 HOOD, EF-3                  |
| E36                        | HOOD EXHAUST FAN      | ¼HP, 120V         | TYPE 2 HOOD, EF-4                  |
| E37                        | HOOD EXHAUST FAN      | ¼HP, 120V         | TYPE 2 HOOD EF-5                   |

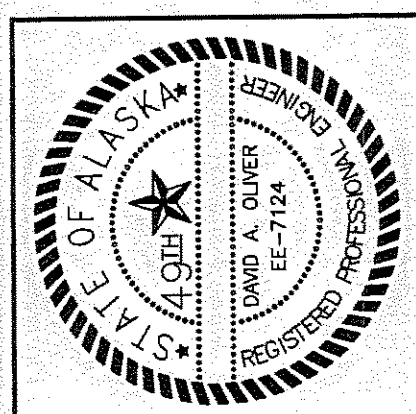
- NOTES:
1. PROVIDE MOTOR STARTER WITH CONTACT TO SHUTDOWN EF-3 ON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.
  2. PROVIDE INTERLOCK FROM HOOD FIRE SUPPRESSION SYSTEM TO SHUNT TRIP BREAKERS FOR KITCHEN EQUIPMENT UNDER TYPE 1 HOOD. SEE PANEL SCHEDULE ON SHEET E9.
  3. JUNCTION BOX FOR CONNECTION OF HEATTRACE TO ROOF VENTS. SEE DETAIL 7/EB.

| PANEL K        |      |                  |                   |              |   |          |                     |      |      |
|----------------|------|------------------|-------------------|--------------|---|----------|---------------------|------|------|
| SQU. TYPE      |      | 120/208V, 3ø, 4W |                   | SURFACE MTD. |   | 400A MLO |                     |      |      |
| DISC           | POLE | AMPS             | SERVICE           | A            | B | C        | SERVICE             | AMPS | POLE |
| 1              | 3    | 30               | COFFEE URN        |              |   |          | HOT TOP RANGE       | 80   | 2    |
| 3              |      |                  |                   |              |   |          |                     |      | 4    |
| 5              | 3    | 50               | DISHWASHER        |              |   |          | GRIDDLE TOP RANGE   | 80   | 3    |
| 7              |      |                  |                   |              |   |          |                     |      | 6    |
| 9              |      |                  |                   |              |   |          |                     |      | 8    |
| 11             | 3    | 35               | GARBAGE DISPOSAL  |              |   |          | HOT FOOD COUNTER    | 30   | 3    |
| 13             |      |                  |                   |              |   |          |                     |      | 10   |
| 15             |      |                  |                   |              |   |          |                     |      | 12   |
| 17             | 3    | 20               | DISHWASHER HOOD   |              |   |          | REFRIG FOOD COUNTER | 20   | 2    |
| 19             | 1    |                  | RECP              |              |   |          | MIXER/CART          | 30   | 1    |
| 21             |      |                  | RECP              |              |   |          | ICE MACHINE         | 20   | 1    |
| 23             |      |                  |                   |              |   |          | HOOD LIGHTS         | 20   | 1    |
| 25             | 3    | 35               | SINK HEATER       |              |   |          | SPACE               | 20   | 1    |
| 27             |      |                  |                   |              |   |          | HOOD CONTROLS       | 20   | 1    |
| 29             | 3    | 50               | HOT WATER BOOSTER |              |   |          | EF-4                | 15   | 1    |
| 31             |      |                  |                   |              |   |          | EF-5                | 15   | 1    |
| 33             | 3    | 15               | EF-3              |              |   |          | SPARE               | 20   | 1    |
| 35             |      |                  |                   |              |   |          |                     |      | 1    |
| 37             |      |                  |                   |              |   |          |                     |      | 1    |
| 39             |      |                  |                   |              |   |          |                     |      | 1    |
| 41             | 3    |                  |                   |              |   |          |                     |      | 1    |
| TOTAL V-A      |      |                  |                   |              |   |          |                     | VA   |      |
| TOTAL AMPS     |      |                  |                   |              |   |          |                     | A    |      |
| A.I.C. RATING: |      |                  |                   |              |   |          |                     |      |      |

\* PROVIDE SHUNT TRIP BREAKER TO SHUT OFF POWER ON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.  
ACTUAL DEMAND PER NEC = 74.2 KVA, 208 AMPS.

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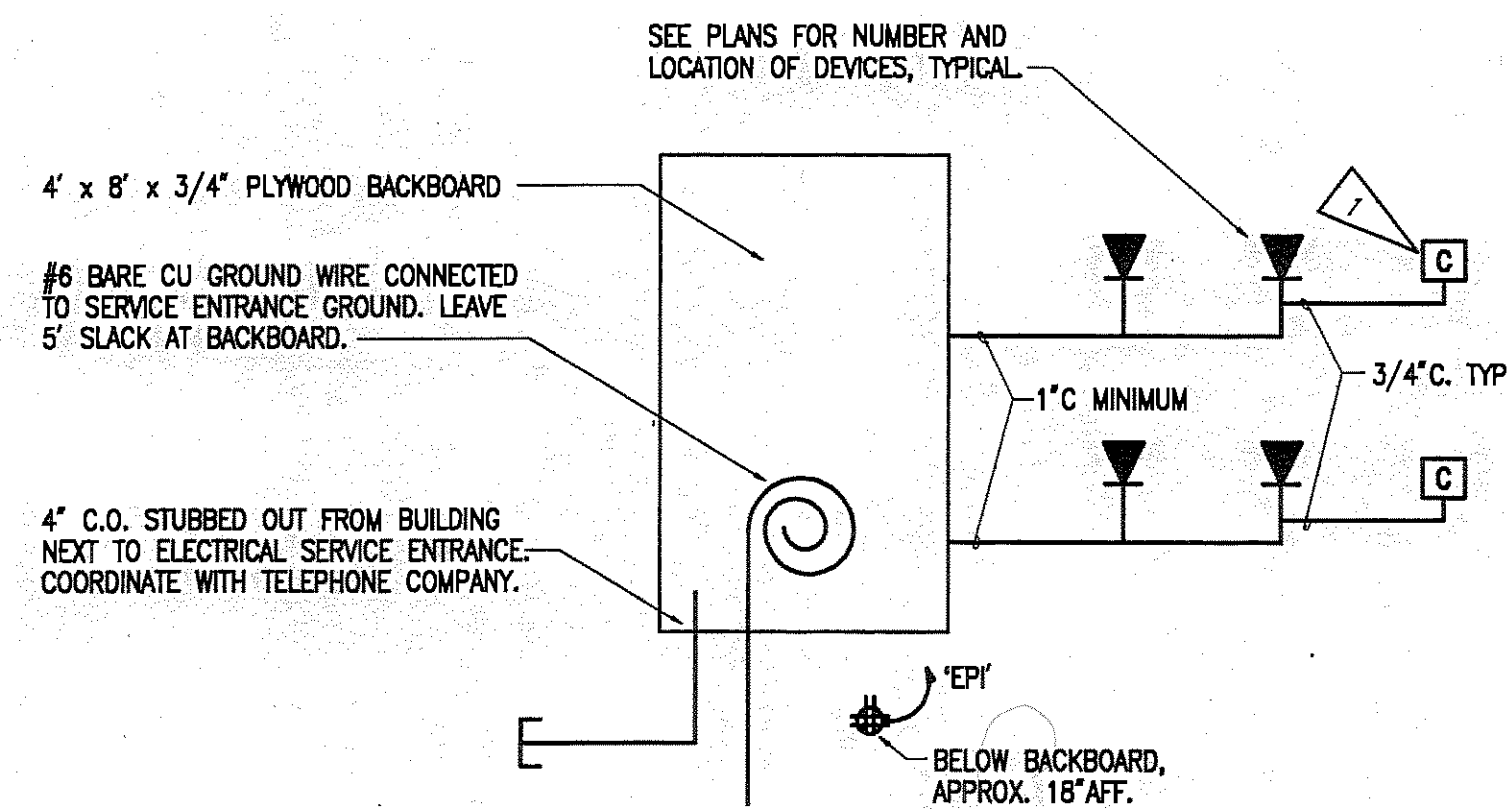
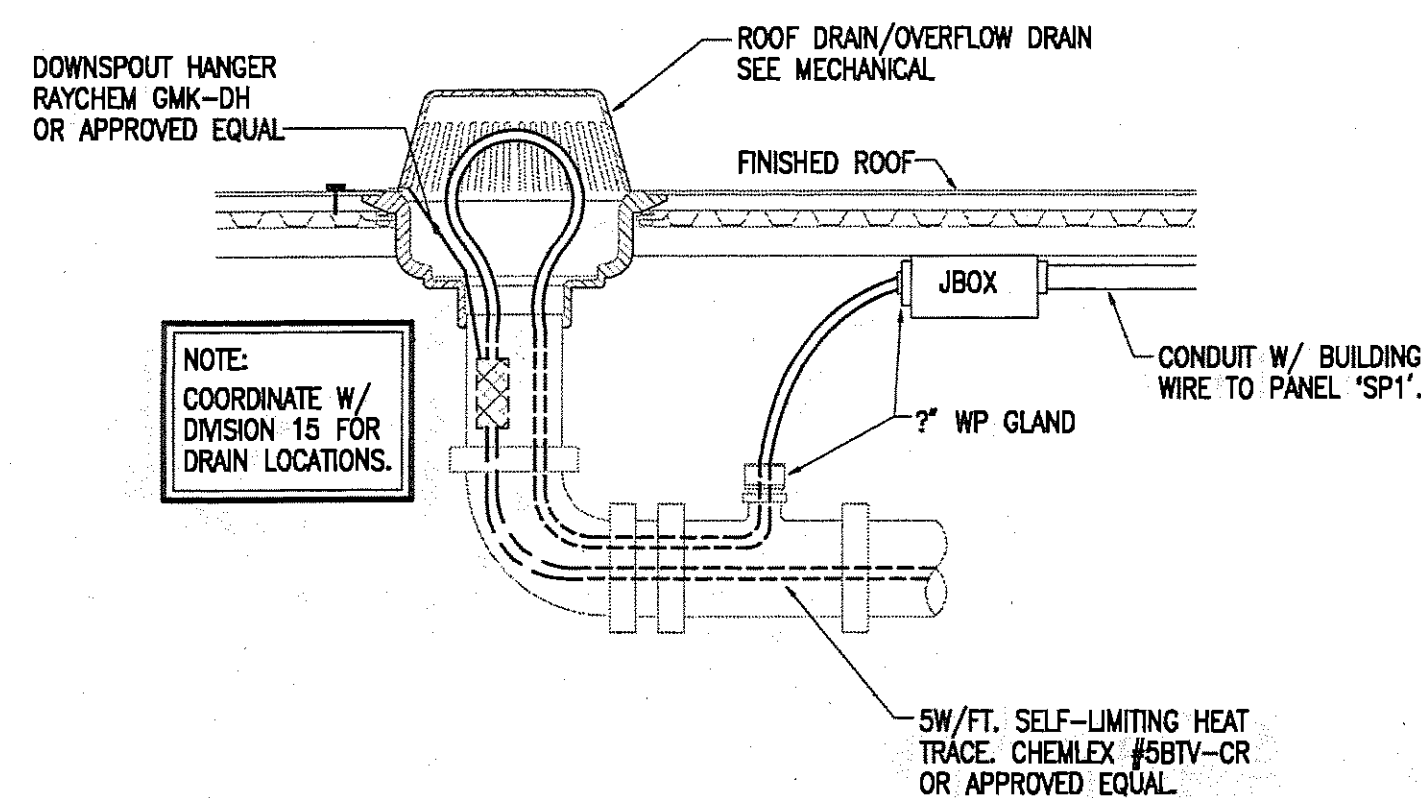
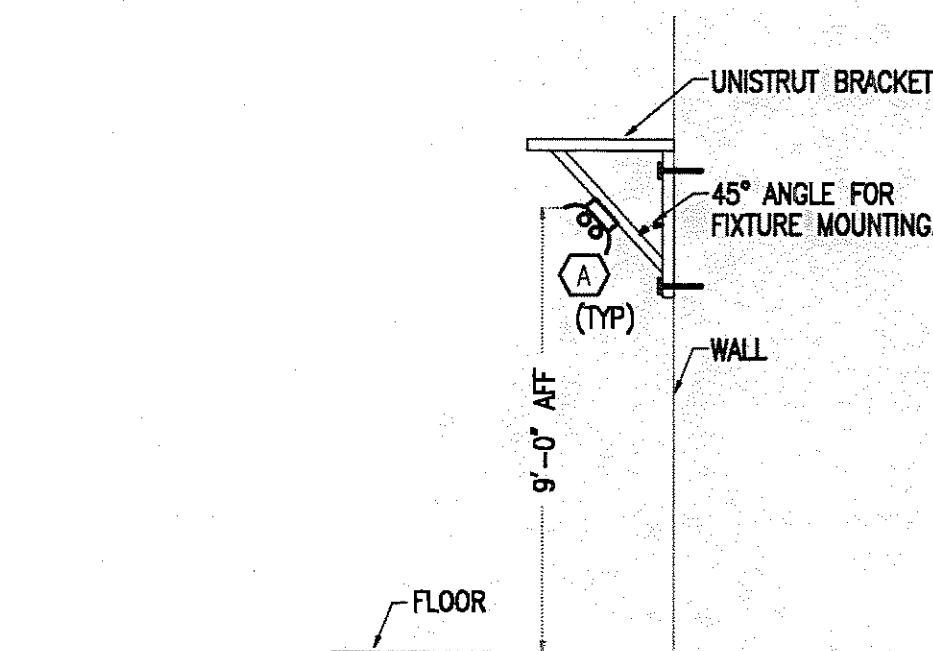
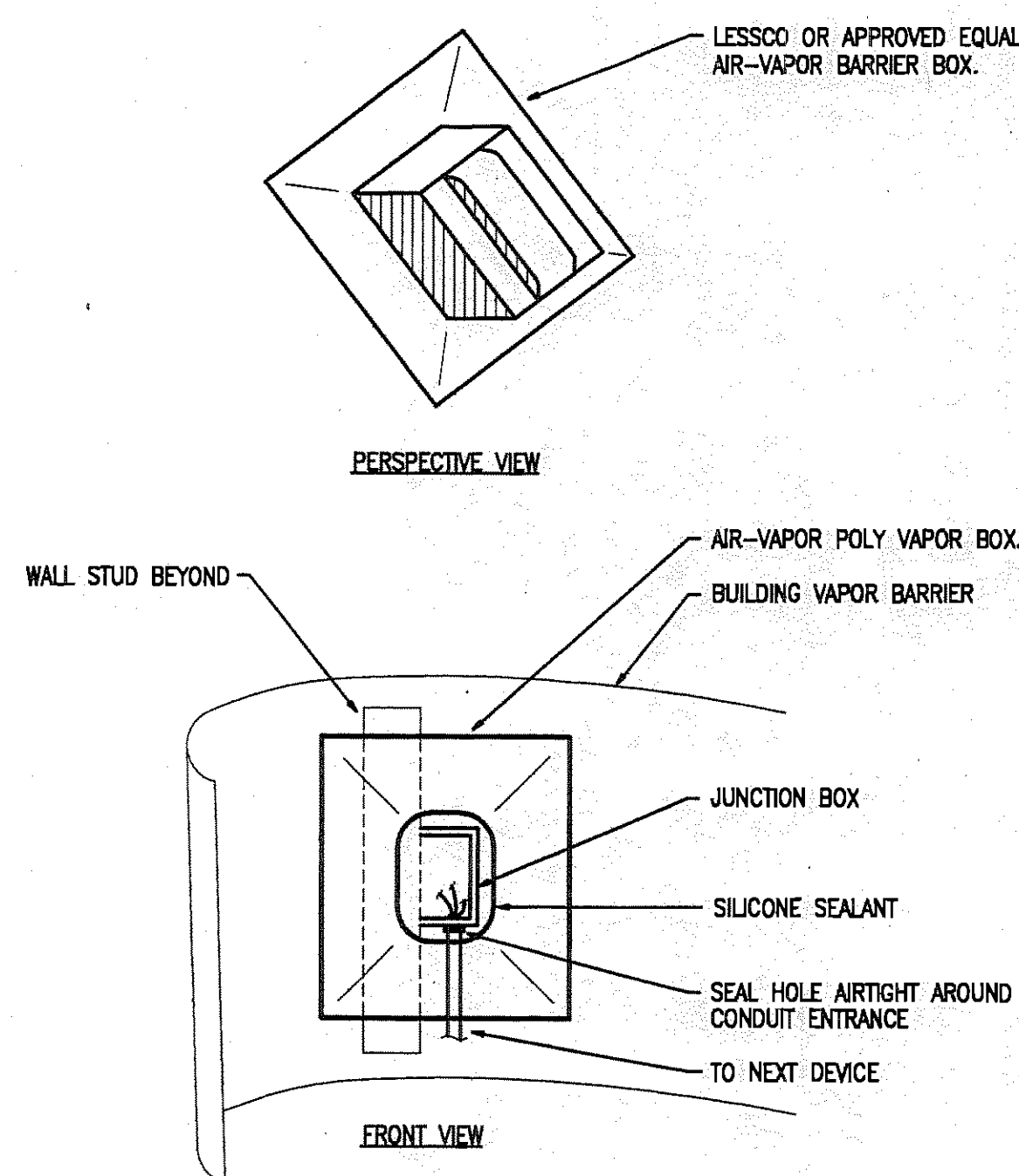
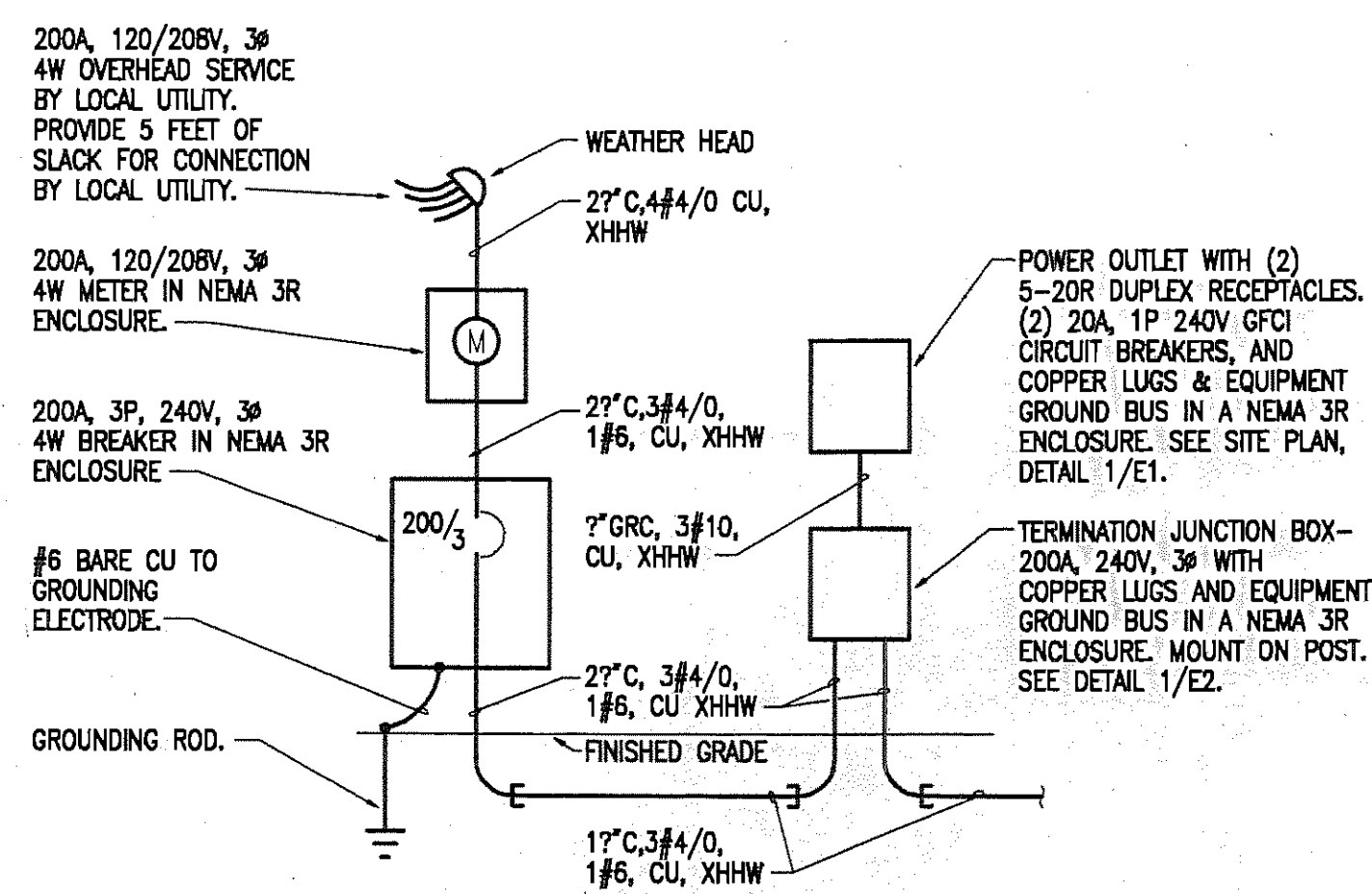
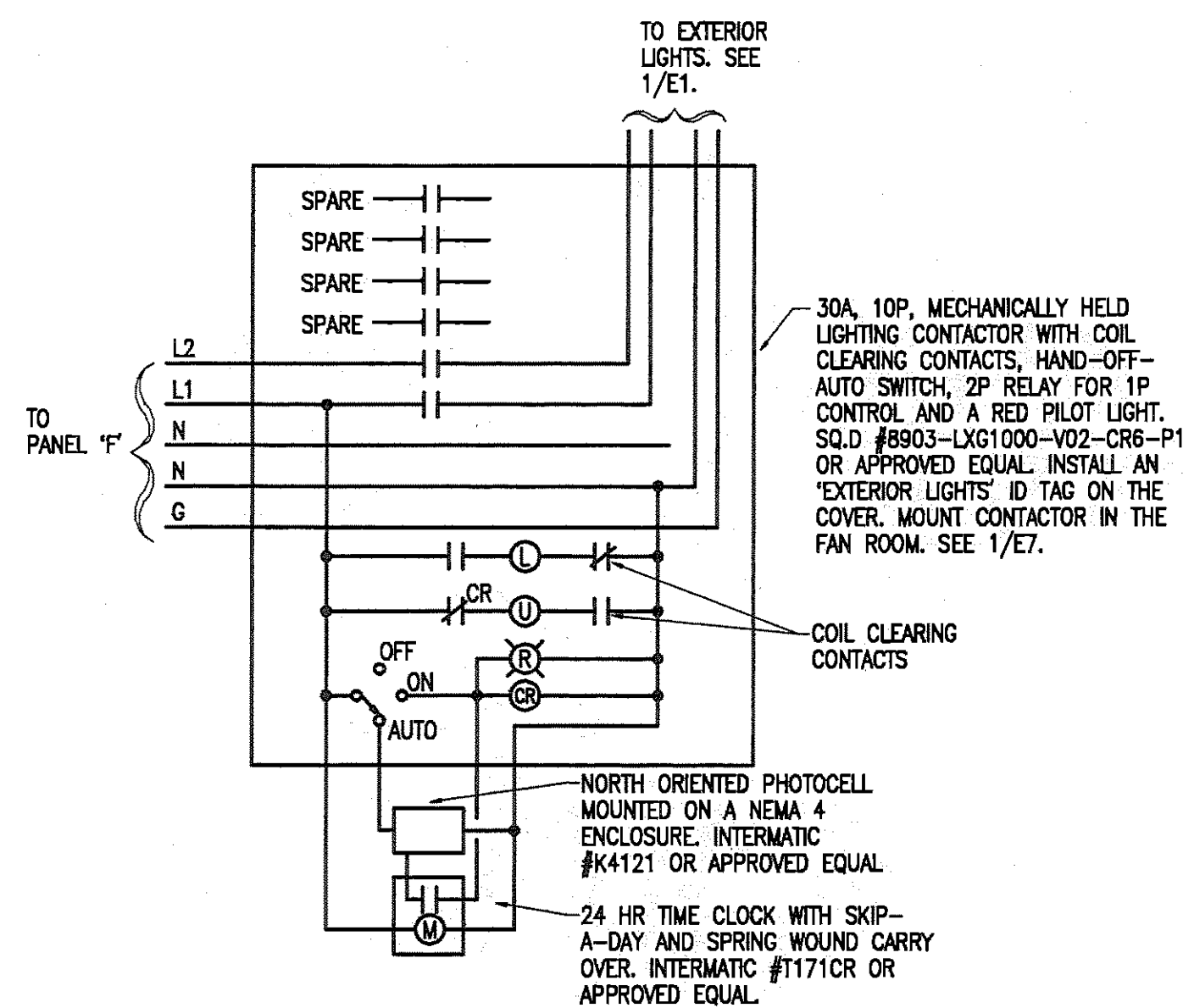
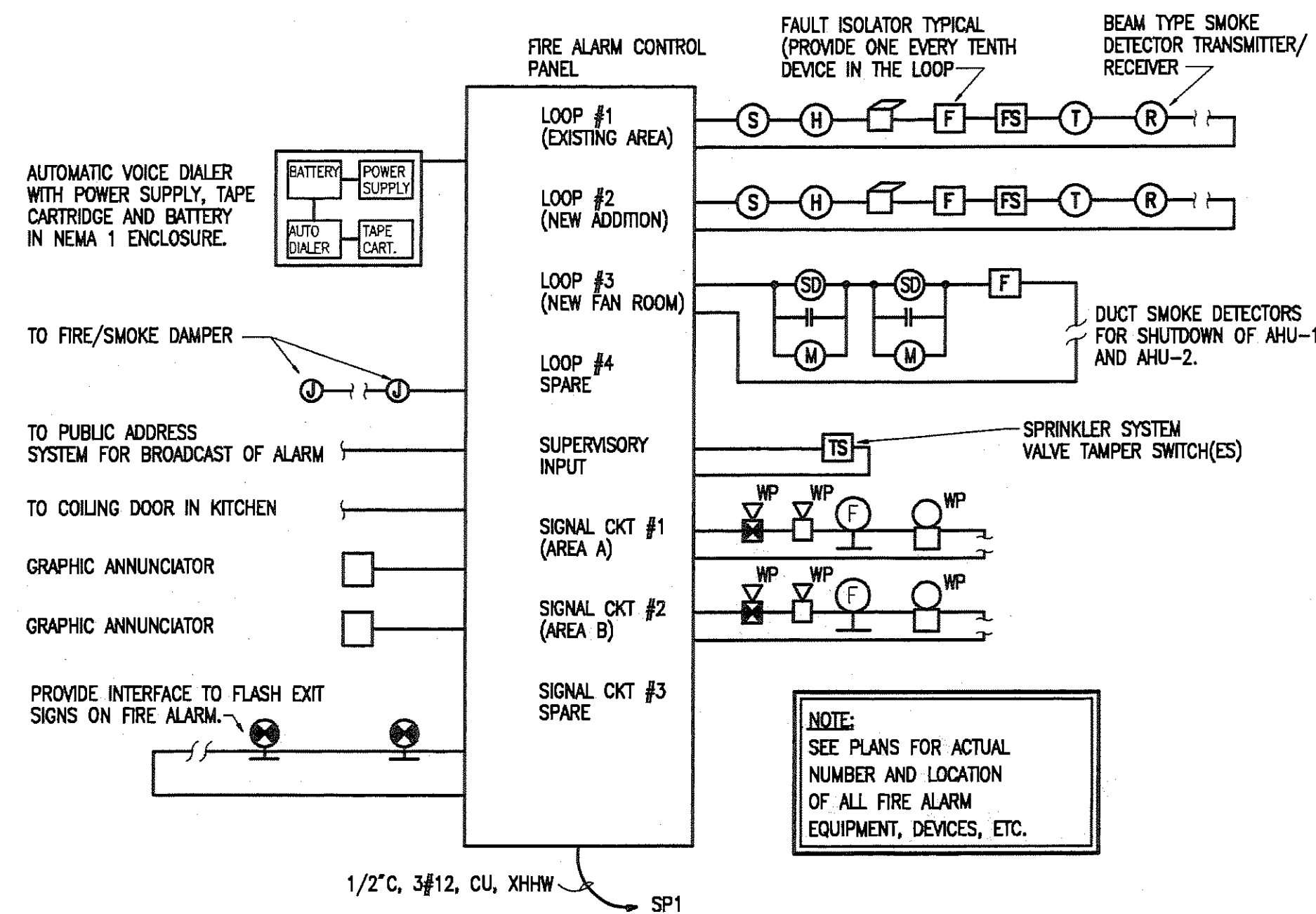
FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMVA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: RWM  
designed: TLB  
checked: DAO  
revised:

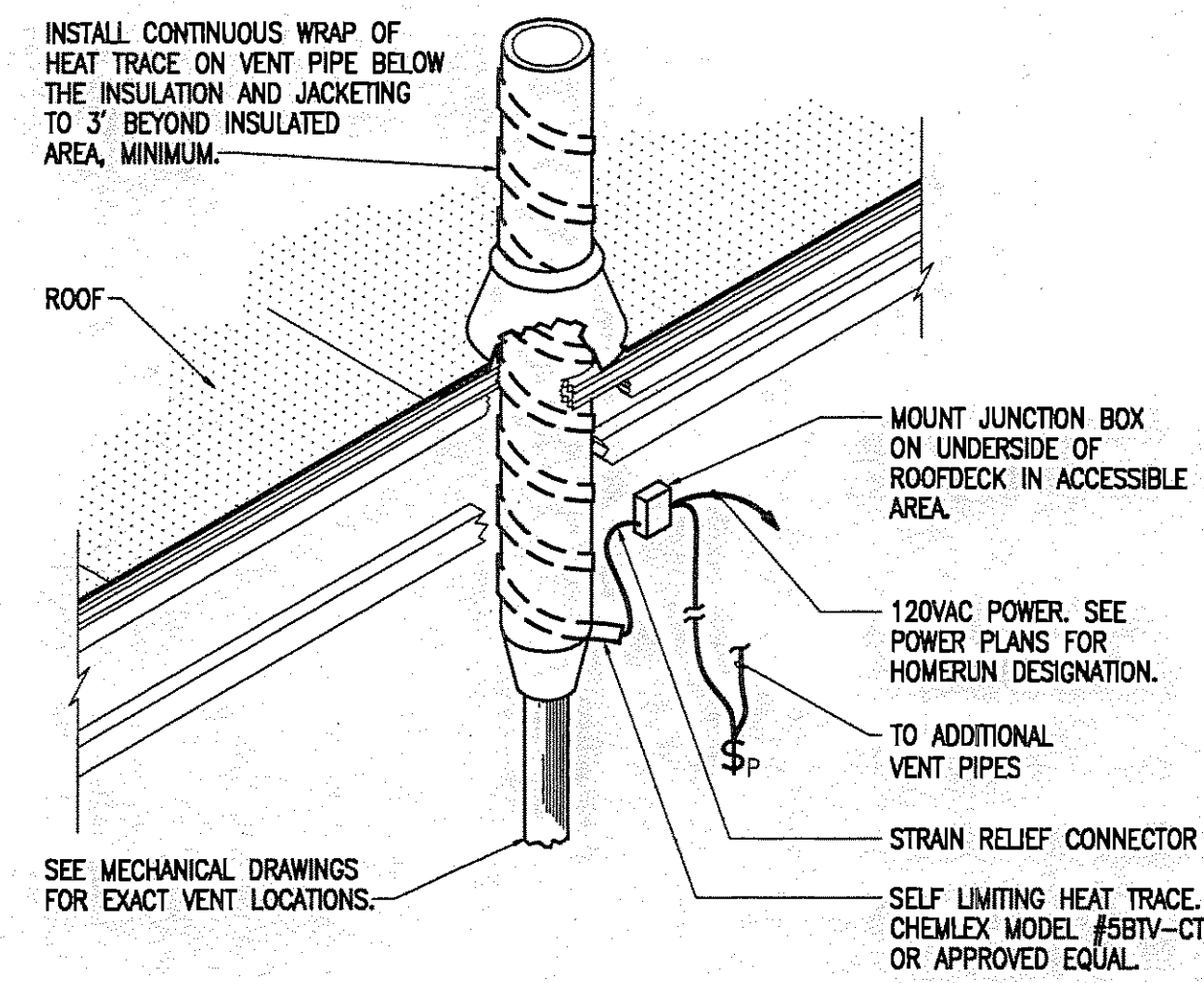
KITCHEN POWER & SIGNAL  
PLAN AND EQUIPMENT  
SCHEDULE  
DOT/PF PROJECT No. 65892

sheet no.  
**F-9**

JOB NUMBER: 94045



- DETAIL NOTES**
1. PROVIDE A MINIMUM 2-1/4" DEEP OUTLET BOX AT EACH DATA OUTLET FOR FUTURE CONNECTION OF COMM/DATA SYSTEM.
  2. EXTEND EXISTING BACKBOARD WITH 8' X 3/4" PLYWOOD AS SHOWN ON 1/E6.



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FAIRBANKS READINESS CENTER  
DESIGN DEVELOPMENT SUBMITTAL  
DMA/FMO PROJECT No. 020022  
DOT/PF PROJECT No. 65892

date: 01/15/97  
drawn: RWM  
designed: TLB  
checked: DAO  
revised:

DETAILS & DIAGRAMS  
DOT/PF PROJECT No. 65892

sheet no.  
E-10

| PANEL D        |      |                  |                      |              |   |          |                      |      |      |
|----------------|------|------------------|----------------------|--------------|---|----------|----------------------|------|------|
| S.D. TYPE NOOD |      | 120/208V, 3Ø, 4W |                      | SURFACE MTD. |   | 225A MLO |                      |      |      |
| CIR            | POLE | AMPS             | SERVICE              | A            | B | C        | SERVICE              | AMPS | POLE |
| 1              | 1    | 20               | COMPUTER RECP RM 119 |              |   |          | COMPUTER RECP RM 121 | 20   | 1    |
| 3              | 1    | 20               |                      |              |   |          |                      | 20   | 3    |
| 5              | 1    | 20               |                      |              |   |          |                      | 20   | 5    |
| 7              | 1    | 20               |                      |              |   |          |                      | 20   | 7    |
| 9              | 1    | 20               |                      |              |   |          |                      | 20   | 9    |
| 11             | 1    | 20               |                      |              |   |          |                      | 20   | 11   |
| 13             | 1    | 20               |                      |              |   |          |                      | 20   | 13   |
| 15             | 1    | 20               |                      |              |   |          |                      | 20   | 15   |
| 17             | 1    | 20               |                      |              |   |          |                      | 20   | 17   |
| 19             | 1    | 20               |                      |              |   |          |                      | 20   | 19   |
| 21             | 1    | 20               |                      |              |   |          |                      | 20   | 21   |
| 23             | 1    | 20               |                      |              |   |          |                      | 20   | 23   |
| 25             | 1    | 20               |                      |              |   |          |                      | 20   | 25   |
| 27             | 1    | 20               |                      |              |   |          |                      | 20   | 27   |
| 29             | 1    | 20               |                      |              |   |          |                      | 20   | 29   |
| 31             | 1    | 20               |                      |              |   |          |                      | 20   | 31   |
| 33             | 1    | 20               |                      |              |   |          |                      | 20   | 33   |
| 35             | 1    | 20               |                      |              |   |          |                      | 20   | 35   |
| 37             | 1    | 20               |                      |              |   |          |                      | 20   | 37   |
| 39             | 1    | 20               |                      |              |   |          |                      | 20   | 39   |
| 41             | 1    | 20               |                      |              |   |          |                      | 20   | 41   |
| TOTAL V-A      |      |                  |                      | 0            | 0 | 0        |                      | 0    | VA   |
| TOTAL AMPS     |      |                  |                      | 0            | 0 | 0        |                      | 0    | A    |
| A.L.C. RATINGS |      |                  |                      |              |   |          |                      |      |      |

| PANEL F        |      |                  |                 |              |   |          |                     |      |      |
|----------------|------|------------------|-----------------|--------------|---|----------|---------------------|------|------|
| S.D. TYPE NOOD |      | 120/208V, 3Ø, 4W |                 | SURFACE MTD. |   | 225A MLO |                     |      |      |
| CIR            | POLE | AMPS             | SERVICE         | A            | B | C        | SERVICE             | AMPS | POLE |
| 1              | 1    | 20               | EXTERIOR LIGHTS |              |   |          | LIGHTS RM 122-124   | 20   | 1    |
| 3              | 1    | 20               |                 |              |   |          | SPARE               | 20   | 3    |
| 5              | 1    | 20               |                 |              |   |          | RECP RM 107         | 20   | 5    |
| 7              | 1    | 20               |                 |              |   |          | RECP RM 106,107     | 20   | 7    |
| 9              | 1    | 20               |                 |              |   |          | RECP RM 105         | 20   | 9    |
| 11             | 1    | 20               |                 |              |   |          | RECP 105,132,134    | 20   | 11   |
| 13             | 1    | 20               |                 |              |   |          | RECP 136,137        | 20   | 13   |
| 15             | 1    | 20               |                 |              |   |          | RECP RM 138,139     | 20   | 15   |
| 17             | 1    | 20               |                 |              |   |          | RECP RM 108         | 20   | 17   |
| 19             | 1    | 20               |                 |              |   |          | RECP RM 111,112     | 20   | 19   |
| 21             | 1    | 20               |                 |              |   |          | RECP RM 115,116     | 20   | 21   |
| 23             | 1    | 20               |                 |              |   |          | RECP RM 117,120     | 20   | 23   |
| 25             | 1    | 20               |                 |              |   |          | RECP RM 116,119,140 | 20   | 25   |
| 27             | 1    | 20               |                 |              |   |          | RECP RM 121         | 20   | 27   |
| 29             | 1    | 20               |                 |              |   |          | RECP RM 122,123     | 20   | 29   |
| 31             | 1    | 20               |                 |              |   |          | RECP RM 124,125     | 20   | 31   |
| 33             | 1    | 20               |                 |              |   |          | PLUGMOLD RM 146     | 20   | 33   |
| 35             | 1    | 20               |                 |              |   |          | SPARE               | 20   | 35   |
| 37             | 1    | 20               |                 |              |   |          |                     | 20   | 37   |
| 39             | 1    | 20               |                 |              |   |          |                     | 20   | 39   |
| 41             | 1    | 20               |                 |              |   |          |                     | 20   | 41   |
| TOTAL V-A      |      |                  |                 | 0            | 0 | 0        |                     | 0    | VA   |
| TOTAL AMPS     |      |                  |                 | 0            | 0 | 0        |                     | 0    | A    |
| A.L.C. RATINGS |      |                  |                 |              |   |          |                     |      |      |

| PANEL G        |      |                  |         |              |   |          |         |      |      |
|----------------|------|------------------|---------|--------------|---|----------|---------|------|------|
| S.D. TYPE NOOD |      | 120/208V, 3Ø, 4W |         | SURFACE MTD. |   | 225A MLO |         |      |      |
| CIR            | POLE | AMPS             | SERVICE | A            | B | C        | SERVICE | AMPS | POLE |
| 1              | 1    | 20               | CUH-1   |              |   |          | AHU-1   | 20   | 1    |
| 3              | 1    | 20               | CUH-1   |              |   |          |         | 20   | 3    |
| 5              | 1    | 20               | UH-1    |              |   |          | AHU-2   | 20   | 5    |
| 7              | 1    | 20               | EF-1    |              |   |          | AHU-3   | 20   | 7    |
| 9              | 1    | 20               | EF-2    |              |   |          |         | 20   | 9    |
| 11             | 1    | 20               |         |              |   |          |         | 20   | 11   |
| 13             | 1    | 20               |         |              |   |          |         | 20   | 13   |
| 15             | 1    | 20               |         |              |   |          |         | 20   | 15   |
| 17             | 1    | 20               |         |              |   |          |         | 20   | 17   |
| 19             | 1    | 20               |         |              |   |          |         | 20   | 19   |
| 21             | 1    | 20               |         |              |   |          |         | 20   | 21   |
| 23             | 1    | 20               |         |              |   |          |         | 20   | 23   |
| 25             | 1    | 20               |         |              |   |          |         | 20   | 25   |
| 27             | 1    | 20               |         |              |   |          |         | 20   | 27   |
| 29             | 1    | 20               |         |              |   |          |         | 20   | 29   |
| 31             | 1    | 20               |         |              |   |          |         | 20   | 31   |
| 33             | 1    | 20               |         |              |   |          |         | 20   | 33   |
| 35             | 1    | 20               |         |              |   |          |         | 20   | 35   |
| 37             | 1    | 20               |         |              |   |          |         | 20   | 37   |
| 39             | 1    | 20               |         |              |   |          |         | 20   | 39   |
| 41             | 1    | 20               |         |              |   |          |         | 20   | 41   |
| TOTAL V-A      |      |                  |         | 0            | 0 | 0        |         | 0    | VA   |
| TOTAL AMPS     |      |                  |         | 0            | 0 | 0        |         | 0    | A    |
| A.L.C. RATINGS |      |                  |         |              |   |          |         |      |      |

| NEW MDP        |      |                  |         |              |   |          |                 |      |      |
|----------------|------|------------------|---------|--------------|---|----------|-----------------|------|------|
| S.D. I-LINE    |      | 120/208V, 3Ø, 4W |         | SURFACE MTD. |   | 800A MLO |                 |      |      |
| CIR            | POLE | AMPS             | SERVICE | A            | B | C        | SERVICE         | AMPS | POLE |
| 1              | 1    | 100              | PANEL A |              |   |          | BREAKROOM PANEL | 200  | 2    |
| 3              | 1    | 100              |         |              |   |          |                 | 200  | 3    |
| 5              | 1    | 100              | PANEL B |              |   |          | PANEL K         | 300  | 6    |
| 7              | 1    | 100              |         |              |   |          |                 | 300  | 7    |
| 9              | 1    | 100              | PANEL C |              |   |          | PANEL DP        | 300  | 10   |
| 11             | 1    | 100              |         |              |   |          |                 | 300  | 11   |
| 13             | 1    | 100              |         |              |   |          |                 | 300  | 13   |
| 15             | 1    | 100              |         |              |   |          |                 | 300  | 15   |
| 17             | 1    | 100              |         |              |   |          |                 | 300  | 17   |
| 19             | 1    | 100              |         |              |   |          |                 | 300  | 19   |
| 21             | 1    | 100              |         |              |   |          |                 | 300  | 21   |
| 23             | 1    | 100              |         |              |   |          |                 | 300  | 23   |
| 25             | 1    | 100              |         |              |   |          |                 | 300  | 25   |
| 27             | 1    | 100              |         |              |   |          |                 | 300  | 27   |
| 29             | 1    | 100              |         |              |   |          |                 | 300  | 29   |
| 31             | 1    | 100              |         |              |   |          |                 | 300  | 31   |
| 33             | 1    | 100              |         |              |   |          |                 | 300  | 33   |
| 35             | 1    | 100              |         |              |   |          |                 | 300  | 35   |
| 37             | 1    | 100              |         |              |   |          |                 | 300  | 37   |
| 39             | 1    | 100              |         |              |   |          |                 | 300  | 39   |
| 41             | 1    | 100              |         |              |   |          |                 | 300  | 41   |
| TOTAL V-A      |      |                  |         | 0            | 0 | 0        |                 | 0    | VA   |
| TOTAL AMPS     |      |                  |         | 0            | 0 | 0        |                 | 0    | A    |
| A.L.C. RATINGS |      |                  |         |              |   |          |                 |      |      |

| NEW PANEL DP   |      |                  |         |              |   |          |           |      |      |
|----------------|------|------------------|---------|--------------|---|----------|-----------|------|------|
| S.D. I-LINE    |      | 120/208V, 3Ø, 4W |         | SURFACE MTD. |   | 400A MLO |           |      |      |
| CIR            | POLE | AMPS             | SERVICE | A            | B | C        | SERVICE   | AMPS | POLE |
| 1              | 1    | 100              | PANEL D |              |   |          | PANEL SP1 | 100  | 2    |
| 3              | 1    | 100              |         |              |   |          |           | 100  | 3    |
| 5              | 1    | 100              | PANEL F |              |   |          |           | 100  | 6    |
| 7              | 1    | 100              |         |              |   |          |           | 100  | 7    |
| 9              | 1    | 100              | PANEL G |              |   |          |           | 100  | 10   |
| 11             | 1    | 100              |         |              |   |          |           | 100  | 11   |
| 13             | 1    | 100              |         |              |   |          |           | 100  | 13   |
| 15             | 1    | 100              |         |              |   |          |           | 100  | 15   |
| 17             | 1    | 100              |         |              |   |          |           | 100  | 17   |
| 19             | 1    | 100              |         |              |   |          |           | 100  | 19   |
| 21             | 1    | 100              |         |              |   |          |           | 100  | 21   |
| 23             | 1    | 100              |         |              |   |          |           | 100  | 23   |
| 25             | 1    | 100              |         |              |   |          |           | 100  | 25   |
| 27             | 1    | 100              |         |              |   |          |           | 100  | 27   |
| 29             | 1    | 100              |         |              |   |          |           | 100  | 29   |
| 31             | 1    | 100              |         |              |   |          |           | 100  | 31   |
| 33             | 1    | 100              |         |              |   |          |           | 100  | 33   |
| 35             | 1    | 100              |         |              |   |          |           | 100  | 35   |
| 37             | 1    | 100              |         |              |   |          |           | 100  | 37   |
| 39             | 1    | 100              |         |              |   |          |           | 100  | 39   |
| 41             | 1    | 100              |         |              |   |          |           | 100  | 41   |
| TOTAL V-A      |      |                  |         | 0            | 0 | 0        |           | 0    | VA   |
| TOTAL AMPS     |      |                  |         | 0            | 0 | 0        |           | 0    | A    |
| A.L.C. RATINGS |      |                  |         |              |   |          |           |      |      |

| PANEL 'SP1' (STANDBY POWER) |      |                  |                          |              |   |          |                  |      |      |
|-----------------------------|------|------------------|--------------------------|--------------|---|----------|------------------|------|------|
| S.D. TYPE NOOD              |      | 120/208V, 3Ø, 4W |                          | SURFACE MTD. |   | 225A MLO |                  |      |      |
| CIR                         | POLE | AMPS             | SERVICE                  | A            | B | C        | SERVICE          | AMPS | POLE |
| 1                           | 1    | 20               | LIGHTS                   |              |   |          | PANEL 'SP2'      | 20   | 2    |
| 3                           | 1    | 20               | MAIN FIRE ALARM CTRL PNL |              |   |          | REACH-IN REFRIG  | 20   | 3    |
| 5                           | 1    | 20               | HEAT TRACE               |              |   |          | REACH-IN REFRIG  | 20   | 5    |
| 7                           | 1    | 20               | HEAT TRACE               |              |   |          | REACH-IN FREEZER | 20   | 7    |
| 9                           | 1    | 20               | HEAT TRACE               |              |   |          | REACH-IN REFRIG  | 20   | 9    |
| 11                          | 1    | 20               | HEAT TRACE               |              |   |          | ROLL-IN REFRIG   | 20   | 11   |
| 13                          | 1    | 20               | SPARE                    |              |   |          | SPACE            | 20   | 13   |
| 15                          | 1    | 20               | TELEPHONE ABXBD          |              |   |          |                  | 20   | 15   |
| 17                          | 1    | 20               | SPACE                    |              |   |          |                  | 20   | 17   |
| 19                          | 1    | 20               |                          |              |   |          |                  | 20   | 19   |
| 21                          | 1    | 20               |                          |              |   |          |                  | 20   | 21   |
| 23                          | 1    | 20               |                          |              |   |          |                  | 20   | 23   |
| 25                          | 1    | 20               |                          |              |   |          |                  | 20   | 25   |
| 27                          | 1    | 20               |                          |              |   |          |                  | 20   | 27   |
| 29                          | 1    | 20               |                          |              |   |          |                  | 20   | 29   |
| 31                          | 1    | 20               |                          |              |   |          |                  | 20   | 31   |
| 33                          | 1    | 20               |                          |              |   |          |                  | 20   | 33   |
| 35                          | 1    | 20               |                          |              |   |          |                  | 20   | 35   |
| 37                          | 1    | 20               |                          |              |   |          |                  | 20   | 37   |
| 39                          | 1    | 20               |                          |              |   |          |                  | 20   | 39   |
| 41                          | 1    | 20               |                          |              |   |          |                  | 20   | 41   |
| TOTAL V-A                   |      |                  |                          | 0            | 0 | 0        |                  | 0    | VA   |
| TOTAL AMPS                  |      |                  |                          | 0            | 0 | 0        |                  | 0    | A    |
| A.L.C. RATINGS              |      |                  |                          |              |   |          |                  |      |      |

| PANEL 'SP2' (STANDBY POWER) |      |      |                  |   |   |              |                  |          |       |
|-----------------------------|------|------|------------------|---|---|--------------|------------------|----------|-------|
| S.D. TYPE NOOD              |      |      | 120/208V, 3Ø, 4W |   |   | SURFACE MTD. |                  | 100A MLO |       |
|                             |      |      | VOLT-AMPS        |   |   |              |                  |          |       |
| CIRC.                       | POLE | AMPS | SERVICE          | A | B | C            | SERVICE          | AMPS     | CIRC. |
| 1                           | 1    | 15   | CP1              |   |   |              | CP-3             | 15       | 2     |
| 3                           | 1    | 15   |                  |   |   |              |                  | 15       | 4     |
| 5                           | 3    | 15   | CP2              |   |   |              | B-1              | 3        | 6     |
| 7                           | 1    | 15   |                  |   |   |              | B-2              | 15       | 8     |
| 9                           | 3    | 15   |                  |   |   |              | B-3              | 15       | 10    |
| 11                          | 1    | 20   | UH-1,-2,-3       |   |   |              | LIGHTS BOILER RM | 20       | 12    |
| 13                          | 1    | 20   | CP-4             |   |   |              | SPACE            | 20       | 14    |
| 15                          | 1    | 20   | SPARE            |   |   |              |                  | 20       | 16    |
| 17                          | 1    | 20   |                  |   |   |              |                  | 20       | 18    |
| 19                          | 1    | 20   |                  |   |   |              |                  | 20       | 20    |
| 21                          | 1    | 20   |                  |   |   |              |                  | 20       | 22    |
| 23                          | 1    | 20   |                  |   |   |              |                  | 20       | 24    |
| TOTAL V-A                   |      |      |                  | 0 | 0 | 0            |                  | 0        | VA    |
| TOTAL AMPS                  |      |      |                  | 0 | 0 | 0            |                  | 0        | A     |
| A.L.C. RATINGS:10,000A      |      |      |                  |   |   |              |                  |          |       |