TOPOGRAPHIC SURVEY MAP OF
LANDS STANDING IN THE NAME OF
COUNTY OF SOCORRO
IN SECTION 14, T.1S., R.1W. NMPI, BEING A PORTION OF TRACT 42A OF
THE MRCGD MAP 149 NEAR CHAMISAL, SOCORRO COUNTY, NEW MEXICO
MAY 2017

NOTES:
1. THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR
INFORMATION ONLY. DATE SURVEYED: MARCH 2017.
2. THE COFFINS MADE TO DETERMINE THE LOCATION OF UTILITIES INCLUDED:
A. NEW MEXICO call ONE NOTIFICATION.
B. THE POLYACID WOOLCA DO NOT MARK THEIR WATERLINES WITHIN THE ALLOTTED 48 HOUR PERIOD.
Therefore, the water lines were not surveyed. Waterlines shown herein are approximated based
ON AVAILABLE DRAWINGS.

SURVEYOR'S CERTIFICATE
I, JAMES A. DOTTIFORD, NEW MEXICO PROFESSIONAL SURVEYOR,
DO HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY
PLOT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH
IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT
SUPERVISION. THAT I AM RESPONSIBLE FOR THIS SURVEY.
THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYS
IN NEW MEXICO, AND IF IT TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

JAMES A. DOTTIFORD
SURVEYOR
11/21/2011
DESIGN PARAMETERS
1. TOTAL DRAINAGE PICTURE UNITS = 27
   MANIC 2012.5.349.01
2. SEPTIC TANK SIZE = 2000 GAL.
   MANIC Table 201.2
3. SOIL PERMEABILITY = 70-mil
4. APPLICATIVE RATE = 150 gpd/linear foot
5. OFFICE OCCUPANCY: 22 EMPLOYEES @ 20 gpd EACH
6. DESIGN FLOW: Q = 22 X 20 = 440 GPD
7. LEACHING AREA PER FT OF TRENCH = 1 X 120 FT
   MANIC 2012.5.705
8. TOTAL TRENCH LENGTH REQUIRED = 7 X 180 FT
9. 3 - 60 LF LIND SPAN TRACTION (3-REGULAR AND 3-SPACED) = 190 FT.
10. TOTAL ABSORPTION FIELD PROVIDED = 4.5 X 150 SQ. FT. = 675 SQ. FT.

KEYED NOTES
1. INITIAL DOUBLE COUNTER
2. INSTALL 165' OF SPACED BORE (20 X 20 X 20) REINFORCED PVC IN EXISTING DRAINAGE Ditch.
3. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
4. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
5. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
6. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
7. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
8. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
9. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
10. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
11. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
12. INSTALL 165' OF SPACED BORE (20 X 20 X 20) PVC IN EXISTING DRAINAGE Ditch.
GENERAL STRUCTURAL NOTES

GENERAL FOUNDATION NOTES

CONCRETE STRENGTH:
F’C = 3000 PSI @ 28 DAYS

EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 4.2.1. USE AIR ENTRAINING ADMIXTURE IN ALL EXTERIOR CONCRETE.

GENERAL STRUCTURAL NOTES

FOUNDATION NOTES

SPECIAL INSTRUCTIONS

A. PC’1=35 for slabs. All exterior concrete flat work and retaining shall be PC’1=35.

B. All structural fill shall be structural fill. Exterior concrete flat work and retaining shall be structural fill.

C. PRECAST CONCRETE AND ALL PRECAST CONCRETE PRODUCTS AND ALL PRECAST CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

D. POISON SOILS AND ALL PRECAST CONCRETE PRODUCTS AND ALL PRECAST CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

E. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

F. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

G. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

H. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

I. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

J. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

K. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

L. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

M. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

N. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

O. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

P. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

Q. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

R. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

S. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

T. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

U. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

V. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

W. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

X. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

Y. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

Z. PRECAST CONCRETE AND ALL CONCRETE PRODUCTS AND ALL CONCRETE RERRAFENCING SHALL BE REFINISHED TO MEET THE REQUIREMENTS OF ACI 318-05.

GENERAL NOTES

A. BUILDING LOCATION:

B. BUILDING LOCATION:

C. BUILDING LOCATION:

D. BUILDING LOCATION:

E. BUILDING LOCATION:

F. BUILDING LOCATION:

G. BUILDING LOCATION:

H. BUILDING LOCATION:

I. BUILDING LOCATION:

J. BUILDING LOCATION:

K. BUILDING LOCATION:

L. BUILDING LOCATION:

M. BUILDING LOCATION:

N. BUILDING LOCATION:

O. BUILDING LOCATION:

P. BUILDING LOCATION:

Q. BUILDING LOCATION:

R. BUILDING LOCATION:

S. BUILDING LOCATION:

T. BUILDING LOCATION:

U. BUILDING LOCATION:

V. BUILDING LOCATION:

W. BUILDING LOCATION:

X. BUILDING LOCATION:

Y. BUILDING LOCATION:

Z. BUILDING LOCATION:
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

SPECIAL INSPECTION ITEMS.

COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO HAVE THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 110 OF THE IBC PERFORMED. BOTH THE SPECIAL INSPECTIONS ITEMS.

---

### SPECIAL INSPECTION AND VERIFICATION OFSOILS

<table>
<thead>
<tr>
<th>Special Inspection Required</th>
<th>Verification and Inspection Task</th>
<th>Frequency of Inspection</th>
<th>Reference for Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SOILS</td>
<td>X</td>
<td>IBC 1504.3</td>
</tr>
</tbody>
</table>

---

### SPECIAL INSPECTION AND VERIFICATION OF CONCRETE CONSTRUCTION

<table>
<thead>
<tr>
<th>Special Inspection Required</th>
<th>Verification and Inspection Task</th>
<th>Frequency of Inspection</th>
<th>Reference for Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:</td>
<td>Y</td>
<td>ACI 318: 5.9, ACI 318: 5.10</td>
</tr>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF WELD FILLER MATERIALS:</td>
<td>Y</td>
<td>ASTM C 31, AWS A5.19, AWS A5.19, AWS A5.19</td>
</tr>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:</td>
<td>Y</td>
<td>AISC 360, SEC. A3.5, AISC 360, SEC. A3.5, AISC 360, SEC. A3.5</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF FABRICATED STEEL:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SCAFFOLDING:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SHORES AND FORMS FROM BEAMS TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN STRUCTURES:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF VARIOUS CONSTRUCTION METHODS:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF HARDENED CONCRETE:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF CONCRETE:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
</tbody>
</table>

---

### SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION

<table>
<thead>
<tr>
<th>Special Inspection Required</th>
<th>Verification and Inspection Task</th>
<th>Frequency of Inspection</th>
<th>Reference for Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF WELD FILLER MATERIALS:</td>
<td>Y</td>
<td>ASTM C 31, AWS A5.19, AWS A5.19, AWS A5.19</td>
</tr>
<tr>
<td>Y</td>
<td>MATERIAL VERIFICATION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:</td>
<td>Y</td>
<td>AISC 360, SEC. A3.5, AISC 360, SEC. A3.5, AISC 360, SEC. A3.5</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF FABRICATED STEEL:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SCAFFOLDING:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SHORES AND FORMS FROM BEAMS TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN STRUCTURES:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF VARIOUS CONSTRUCTION METHODS:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF HARDENED CONCRETE:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF CONCRETE:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION:</td>
<td>X</td>
<td>TABLE 21.1.5.2 OF ACI 318.</td>
</tr>
</tbody>
</table>

---

### STRUCTURAL TESTING FOR SEISMIC RESISTANCE OF SEISMIC FORCE RESISTING SYSTEMS

<table>
<thead>
<tr>
<th>Special Inspection Required</th>
<th>Verification and Inspection Task</th>
<th>Frequency of Inspection</th>
<th>Reference for Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF FABRICATED STEEL:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SCAFFOLDING:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF SHORES AND FORMS FROM BEAMS TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN STRUCTURES:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF VARIOUS CONSTRUCTION METHODS:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF HARDENED CONCRETE:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF CONCRETE:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
<tr>
<td>Y</td>
<td>SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION:</td>
<td>X</td>
<td>ACI 318: 5.9, ACI 318: 5.9, ACI 318: 5.9</td>
</tr>
</tbody>
</table>
1. Dimensions are to the face of concrete and gridline UNLESS NOTED OTHERWISE.

2. See Sheet S-601 for schedules and typical framing details.

GENERAL SHEET NOTES

- Use Sheet Key for schedules and typical framing details.

FOUNDATION PLAN

SCALE: 1/8" = 1'-0"
30° TYP

#6 REBAR DOWEL CENTERED IN SLAB PLAN

2'-0" 4" 9'-0" MIN

#4 DWLS @ 18" OC

48 24 4 - 18" EMBED AHR BOLTS W/ STD WASHER AND DBL NUTS. AHR BOLT DIAMETER & LOCATION BY METAL BLDG MFR

SEE SCHED FOR SIZE AND REINF GRID

1/2" EXP MATL W/ CONT SEALANT

EXT SLAB SEE ARCH

SEE SCHED GRID

2" NON-SHRINK GROUT

1/2" EXP MATL W/ CONT SEALANT TYP BASE PLATE AND ANCHOR BOLTS PER STEEL BLDG MFR

EQ EQ

SEE PLAN FOR SIZE AND REINF 3" CLR TO CONC EL SEE CIVIL COLUMN PER STEEL BLDG MFR

3" CLR

2 - #4 CONT T&B W/ #3 STIRRUPS @ 32" OC

1/2" EXP MATL W/ CONT SEALANT SEE ARCH FOR EXT SLAB FIN FLR EL SEE PLAN

1' - 0"

3" CLR

2 - #5 CONT SLOPE DIAMOND PLATE DOWELS @ 18"OC

1/2" EXP MATL W/ CONT SEALANT
BASE PLATE SCHEDULE

<table>
<thead>
<tr>
<th>MARK TYPE</th>
<th>SIZE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>&quot;T&quot;x&quot;A&quot;x&quot;B&quot;</td>
<td>PL 3/4&quot; x 12&quot; x 1'-0&quot;</td>
</tr>
</tbody>
</table>

BASE PLATE ANCHOR BOLTS

<table>
<thead>
<tr>
<th>BOLT TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANCHOR BOLTS</td>
<td>3/4&quot; DIA x 9&quot;</td>
<td>1 - 2&quot;</td>
<td>4 - 2&quot;</td>
</tr>
</tbody>
</table>

DBL HEX NUTS

<table>
<thead>
<tr>
<th>NUT TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP OF CONCRETE</td>
<td>DIA x 1/2&quot; DEPTH</td>
<td>1/8&quot; x 1/4&quot; depth</td>
<td>1</td>
</tr>
</tbody>
</table>

STD WASHER W/ DBL HEX NUTS

<table>
<thead>
<tr>
<th>WASHER TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; x 1/4&quot; DEPTH OF SLAB SAWCUT</td>
<td>FILL W/ EXTERIOR GRADE SEALANT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CONTROL JOINT

<table>
<thead>
<tr>
<th>JOINT TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTION JOINT</td>
<td>2 1/2&quot; CLR</td>
</tr>
</tbody>
</table>

DIAMOND PLATE DOWELS

<table>
<thead>
<tr>
<th>DOWEL TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 18&quot;OC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DISCONTINUE ALTERNATE REINF AT JOINT

<table>
<thead>
<tr>
<th>REINF TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2&quot; CLR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Z BARS TO MATCH SLAB REINF

<table>
<thead>
<tr>
<th>BAR TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN FLR EL</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

REQUIRED LAP SPLICES

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTINUOUS WALL FOOTINGS AND STEMWALLS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RETAINING WALL AND BASEMENT WALL VERTICAL REINFORCING</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONCRETE COLUMNS NOT SUPPORTING LATERAL FORCES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESTRICTED COLUMN FOOTINGS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE

<table>
<thead>
<tr>
<th>BARS</th>
<th>LENGTH (IN)</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6 AND SMALLER (#db)</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>#7 AND LARGER (#db)</td>
<td>57</td>
<td></td>
</tr>
</tbody>
</table>

MINIMUM LENGTH (IN)

<table>
<thead>
<tr>
<th>MINIMUM LENGTH</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>#6 AND SMALLER (#db)</td>
</tr>
<tr>
<td>24</td>
<td>#7 AND LARGER (#db)</td>
</tr>
<tr>
<td>DOOR NUMBER</td>
<td>ROOM NAME</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>1</td>
<td>A-001</td>
</tr>
<tr>
<td>2</td>
<td>A-002</td>
</tr>
<tr>
<td>3</td>
<td>A-003</td>
</tr>
</tbody>
</table>

**LEGEND - SCHEDULE**

- A1: SIGNS
- A2: DOOR TYPES & FRAME TYPES
- A3: DOOR SCHEDULE
- B1: GENERAL NOTES
- B2: LEGEND - GLAZING TYPES
- B3: SIGN TYPES

**SIGN NOTES**

- As shown shall not be reduced or enlarged without written approval of the Architect. The drawings and specifications shall be interpreted as written, and any oral instructions shall be accepted as part of the contract. Any omission or error not specifically corrected shall be accepted as written.
- Colors shall be as selected by the Architect.

**GENERAL NOTES**

- All exterior details are to be used for grading and irrigation purposes.
- Field verify all adjacent openings and dimensions prior to fabrication.
- Coordinate detail dimensions with manufacturer.
General Notes
A. SEE SPECIFICATIONS FOR PIPE SIZES AND SAFETY DETAILS.
B. BE GAS REGULATORS AND MAIN SIZE BY DPR PROVIDER AND OWNER.

PLUMBING PLAN

PLUMBING PLAN

Keyed Notes
1. "P" IN GAS LINE TO SHOW LOCATION OF LENGTH OF LINE EXCEEDING 50" CONTACT MECHANICAL ENGINEER PRIOR TO SIZING.
2. "C" COUPLING AND WELD REPAIR SEE CIVIL SECTIONS PLAN.
SANITARY PIPING ISOMETRIC

SCALE: NONE

DOMESTIC WATER PIPING ISOMETRIC

SCALE: NONE

LP GAS PIPING ISOMETRIC

SCALE: NONE

POLYVADERA FIRE STATION

8102 Menaul Blvd. NE, Suite D
Albuquerque, NM 87110
tele: 505.255.7802           fax: 505.255.7902

www.abqeng.com

PLUMBING ISOMETRICS

P-102
### Equipment Schedule

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-501</td>
<td>Duct Mounted Duct Ventilators 3 1/2 Spaced 1/2&quot; Ducting to Maintain Duct Air Distribution Model No. 6 WSG</td>
</tr>
</tbody>
</table>

#### Equipment Details

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-501</td>
<td>Duct Mounted Duct Ventilators 3 1/2 Spaced 1/2&quot; Ducting to Maintain Duct Air Distribution Model No. 6 WSG</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-501</td>
<td>6 WSG</td>
<td>Duct Mounted Duct Ventilators 3 1/2 Spaced 1/2&quot; Ducting to Maintain Duct Air Distribution</td>
</tr>
</tbody>
</table>

---

### Revision Schedule

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Contact Information

8102 Menaul Blvd. NE, Suite D
Albuquerque, NM 87110

Tele: 505.255.7802  Fax: 505.255.7902

www.abqeng.com

---

### Design Information

Architect:  Engineers  Planners  Construction Services

4/6/2017  12:03:25 PM

---

### Symbol Description

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-501</td>
<td>Duct Mounted Duct Ventilators 3 1/2 Spaced 1/2&quot; Ducting to Maintain Duct Air Distribution Model No. 6 WSG</td>
</tr>
</tbody>
</table>

---

### Additional Notes

- Ensure ductwork connections are tight and free from leaks.
- Verify all ducts are insulated as per the manufacturer's guidelines.
- Check for proper support and bracing to maintain duct alignment.

---

### Mechanical & Plumbing Equipment Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-501</td>
<td>Duct Mounted Duct Ventilators 3 1/2 Spaced 1/2&quot; Ducting to Maintain Duct Air Distribution Model No. 6 WSG</td>
</tr>
</tbody>
</table>

---

### Coordinating Information

- Coordinate with HVAC, electrical, and architectural engineers for seamless design integration.
- Ensure compliance with local codes and standards.

---

### Conclusion

Non-compliance with this schedule may lead to delays and additional costs. Follow the guidelines strictly for a successful project outcome.
Architect
Engineer

Revision Schedule

<table>
<thead>
<tr>
<th>No</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
</table>

Engineers   Planners   Construction Services

8102 Menaul Blvd. NE, Suite D
Albuquerque, NM 87110
tele: 505.255.7802           fax: 505.255.7902
www.abqeng.com
NOTES ARE FOR GENERAL INFORMATION AND REFERENCE. NOTES ONLY APPLY TO SPECIFIC ITEMS WHICH ARE SHOWN IN PLAN VIEWS. NOT ALL NOTES WILL BE USED
E-003

SPECIFICATIONS ARE FOR GENERAL INFORMATION AND REFERENCE. SPECIFICATIONS ONLY APPLY TO SPECIFIC ITEMS WHICH ARE SHOWN IN PLAN VIEWS. NOT ALL SPECIFICATIONS WILL BE USED.
ELECTRICAL SPECIFICATIONS

SECTION 26 05 43 - UNDERGROUND DUCTS AND ENCLOSURES


B. USE MANUFACTURED DUCTS FOR SUBURBS AT EQUIPMENT AND AT BUILDING ENTRANCES. USE MANUFACTURED CONDUIT FOR SUBURBS IN ALL OTHER LOCATIONS. CONDUCTS AND FITTINGS TO BE COMPATIBLE ASTHOUX VERTICAL AND HORIZONTAL AT VARIOUS LOCATIONS.

HANGERS:

ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF THE MOST CURRENT ANSI/UL 77 SPECIFICATION FOR UNDERGROUND ENCLOSURES. SPECIFICATIONS ARE FOR SPECIFIC ITEMS WHICH ARE SHOWN IN PLAN. SPECIFICATIONS ARE FOR GENERAL INFORMATION.

COMPATIBLE WITH DIMMER BALLASTS. TRIM POTENTIOMETER ELECTROMAGNETIC FILTER TO ELIMINATE NOISE, R.F. AND T.V. ADJUSTABLE ROTARY KNOB, TOGGLE, OR SLIDE, SINGLE-POLE END OF SECTION 26 24 16 - PANELBOARDS

SHALL BE SKIRTED WITH COMPLETE METAL ENCLOSURES AND OR 3-WAY SWITCH TO SUIT CONNECTIONS.

G.

OR PHENOLIC BUTTONS OR SMALL WINDOW FRAME TYPE. ELECTROMAGNETIC NOISE FILTERS. WATTAGE RATING WITH INTEGRAL, QUIET ON-OFF SWITCHES, AND AUDIBLE AND K.

CIRCUIT BREAKER.

SPECIFICATION W-S-896. SPECIFICATION GRADE 20A, 120-277V. MINIMUM, HOLDING BRACKETS, AND AN IDENTIFYING L.

EQUIPMENT SHALL BE IN FIRST CLASS OPERATING ORDER, IN PERFECT CONDITION AS TO FINISH AND FREE FROM DEFECTS, EQUIPMENT BEING CONNECTED. CORD:

SIZES AS REQUIRED FOR THE CONTINUOUS RATING OR THE CORRESPONDING CONNECTOR.

MEASUREMENT CAPABILITY WITH PLUGS AND CORDS INSTALLED.

DURING TRENCH BACKFILLING, FOR EXTERIOR UNDERGROUND SYSTEMS OPERATING AT 120 VOLTS OR GREATER, ALL FIXTURES, BALLASTS, AND SUPPORTS SHALL BE QUIET IN OPERATION. SUPPORT SYSTEMS OPERATING BELOW 120 VOLTS AND MATCH WITH CORRESPONDING WIRING DEVICES.

FEED-THROUGH TYPE, WITH INTEGRAL NEMA 5-20R DUPLEX RECEPTACLE ARRANGED TO PROTECT CONNECTED CALL.

VERIFICATION TEST REPORTS STATING A REGISTERED PROFESSIONAL ENGINEER CERTIFYING THAT ALL TEST PROVISIONS OF THIS SPECIFICATION HAVE BEEN MET ARE REQUIRED WITH EACH SUBMITTAL.

ALL FIXTURES, BALLASTS, AND SUPPORTS SHALL BE QUIET IN OPERATION. SUPPORTS AND WALL PLATES: SINGLE AND COMBINATION TYPES THAT MATE WITHIN THE FOLLOWING CLIMATE: 1.

SIZE: NOT LESS THAN 4 (4) MILL INCH BY 4 INCHES." EMERGENCY Barbarica 120V W.E. VOLTAGE PROTECTION.

2. COVERED FOR PERMANENT DIRECT BURIAL SERVICE.

3. IMMERSIBLE CONTINUOUS METALLIC STRIP OR CORE.

4. PRINTED LEGEND: INDICATES TYPE OF UNDERGROUND LINE.

END OF SECTION 26 05 43 - UNDERGROUND DUCTS AND ENCLOSURES

SECTION 26 24 16 - PANELBOARDS

A. DEAD FRONT. SAFETY TYPE WITH VOLTAGE RATINGS AS SCHEDULED. PANELBOARDS SHALL BE OF THE TYPE REQUIRED FOR THE SHORT CIRCUIT AND SURGE RATINGS Indicated on the drawings or specified. ALL PANELBOARDS SHALL HAVE A NEUTRAL BUS AND A GROUND BUS PANELBOARDS SHALL BE EMBEDDED CONTINUOUS METALLIC STRIP OR CORE.

B. DOOR-IN-DOOR: BOTH SURFACE AND FLUSH PANELS SHALL BE DOOR-IN-DOOR TYPE. THE PANELS SHOWN IN THIS ISSUE OF THE DRAWINGS SHALL BE PROVIDED WITH HANDLES AND COMBINED LOCK AND LATCH. THE OUTER SIDE PANELS SHOWN IN THIS ISSUE OF THE DRAWINGS SHALL HAVE A Hinge ON ONE SIDE AND MACHINE SCREWS INTO THICKNESS OF DOOR. ALL OTHER THREE SIDES. ALL LOCKS SHALL BE KNOB ALONE.

BRANCH CIRCUIT PANELS

ALL BRANCH CIRCUIT PANELS FOR LIGHTING AND SINGLE PHASE LOADS SHALL BE "QUICK-LOOK" CIRCUIT BREAKERS WITH A MINIMUM BREAKING CAPABILITY OF NOT LESS THAN 2500AMPS. THE PANEL BOARD BREAKERS FOR FLUSH-MOUNTED PANELS SHALL BE BREAKERS AS INDICATED ON THE DRAWINGS. DOOR-IN-DOOR CIRCUIT BREAKER CABINETS ARE MORE Damaged Panelboards Shall Be Replaced With Other Equivalent Panelboards Without an Adapter.


C. EMBEDDED CONTINUOUS METALLIC STRIP OR CORE: ALL PANELBOARDS SHALL BE SKIRTED WITH COMPLETE METAL ENCLOSURES AND THE EQUIPMENT BEING CONNECTED. CORD:


4. IMMERSIBLE CONTINUOUS METALLIC STRIP OR CORE.

5. PRINTED LEGEND: INDICATES TYPE OF UNDERGROUND LINE.

END OF SECTION 26 05 43 - UNDERGROUND DUCTS AND ENCLOSURES

SECTION 26 27 26 - WIRING DEVICES

A. CIRCUIT BREAKERS, STANDARD W.S. 1, "GENERAL PURPOSE WIRING DEVICES.

B. ENCLOSURES: NEMA 1 EQUIVALENT, EXCEPT AS OTHERWISE INDICATED.

C. COLOR: WHITE EXCEPT AS OTHERWISE INDICATED OR REQUIRED BY THE EQUIPMENT MANUFACTURERS OR THE COMMUNICATION INSTALLER OR SPECIFIED IN THE DRAWINGS. ADJUSTABLE ROTARY KNOB, TOGGLE, OR SLIDE, SINGLE-POLE END OF SECTION 26 24 16 - PANELBOARDS

PLUGS AND CORDS INSTALLED.

D. PLACE SECURING SCREWS: METAL WITH HEADS COLORED TO MATCH PLATE FINISH.

E. MATERIAL FOR FINISHED SPACES: HEAVY-DUTY NYLON.

F. MATERIAL FOR UNFINISHED SPACES: GALVANIZED STEEL.

END OF SECTION 26 27 26 - WIRING DEVICES

SECTION 26 51 13 - LIGHTING EQUIPMENT

A. INSTALL ALL LIGHTING FIXTURES THROUGHOUT THE TYPE Indicated in the Drawings. Complete with LAMPS, Sockets, WIRING, FITTERS, HANGERS, PLASTER RINGS, NYLON BODY AND INTEGRAL CABLE-CLAMPING JAWS. MATCH VOLTAGE AND CURRENT

B. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

C. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

D. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

E. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

F. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

G. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

H. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

I. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

J. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

K. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

L. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

M. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

N. LAMPS: FLUORESCENT LAMPS MAY BE OBLONG, SIMILAR AND EQUAL, OR OTHER SIGNALING SYSTEMS OPERATING BELOW 120 VOLTS.

END OF SECTION 26 51 13 - LIGHTING EQUIPMENT

SPECIFICATIONS ARE FOR GENERAL INFORMATION AND REFERENCE. SPECIFICATIONS ONLY APPLY TO SPECIFIC ITEMS WHICH ARE SHOWN IN PLAN VIEWS. NOT ALL SPECIFICATIONS WILL BE USED.
1. POLE, PRIMARY CABLING AND POLE-MOUNTED TRANSFORMER BY S.E.C.
2. RISER(S), TRENCH AND CONDUITS W/PULLSTRINGS BY CONTRACTOR PER S.E.C. STANDARDS.
3. METER / C.T. ENCLOSURE, PER S.E.C. STANDARDS.
4. EQUIPMENT GROUNDING ELECTRODES SHALL CONSIST OF THE COLD WATER PIPE AND (2) ~3/4" x 10FT GROUND RODS AND / OR MINIMUM 20' OF (1) ~#4 BARE CU OR STEEL REINFORCING BARS IN CONCRETE-ENCASED ELECTRODE OR SLAB REBAR. ALL CONDUCTOR SEGMENTS EXPOSED TO PHYSICAL DAMAGE SHALL BE ENCLOSED IN CONDUIT RACEWAY WITH APPROPRIATE BONDING FITTINGS.
5. BOND TO THE DOMESTIC COLD WATER UTILITY PIPE ENTRANCE IN CRAWL SPACE WITHIN 5FT OF ENTRY USING APPROVED GROUNDING PIPE CLAMP.
6. BOND THE HOT AND COLD WATER PIPES AT WATER HEATER USING A (1) ~#8 BARE COPPER CONDUCTOR AND APPROVED GROUNDING PIPE CLAMP.

A. ALL WORK SHALL BE COORDINATED WITH SOCORRO ELECTRIC COOPERATIVE, INC. (S.E.C.).
B. PROVIDE ARC FLASH LABEL CLEARLY VISIBLE ON EQUIPMENT PER N.E.C. 2014, ARTICLE 110.1.
C. METER / C.T. ENCLOSURE, PER S.E.C. STANDARDS.
D. SERVICE DISCONNECT, 20KA, 250V, 100, FIXED @ 250A.
E. EQUIPMENT GROUNDING ELECTRODES SHALL CONSIST OF THE COLD WATER PIPE AND (2) ~3/4" X 10 FT GROUND RODS AND (1) ~10' OF #4 BARE CU OR STEEL REINFORCING BARS IN CONCRETE-ENCASED ELECTRODE OR SLAB REBAR. ALL CONDUCTOR SEGMENTS EXPOSED TO PHYSICAL DAMAGE SHALL BE ENCLOSED IN CONDUIT RACEWAY WITH APPROPRIATE BONDING FITTINGS.
F. BOND TO THE DOMESTIC COLD WATER UTILITY PIPE ENTRANCE IN CRAWL SPACE WITHIN 5 FT OF ENTRY USING APPROVED GROUNDING PIPE CLAMP.
G. BOND THE HOT AND COLD WATER PIPES AT WATER HEATER USING A (1) ~#8 BARE COPPER CONDUCTOR AND APPROVED GROUNDING PIPE CLAMP.

NOTE: FOR FURTHER INFORMATION, REFER TO A-111 FOR SEISMIC BRACING DETAIL OF CEILING GRID.