CONSTRUCTION PLANS FOR BENTON MUNICIPAL AIRPORT RELOCATE BEACON

SCOPE OF PROJECT

THIS PROJECT SHALL CONSIST OF THE RELOCATION AND REFURBISHMENT OF THE AIRPORT ROTATING BEACON AND TOWER AND THE ADDITION OF OBSTRUCTION LIGHTING AND LIGHTNING PROTECTION TO THE BEACON TOWER INCLUDING CABLING.

ILLINOIS PROJECT NUMBER: H96-4301

SBG PROJECT NUMBER: 3-17-005-B16

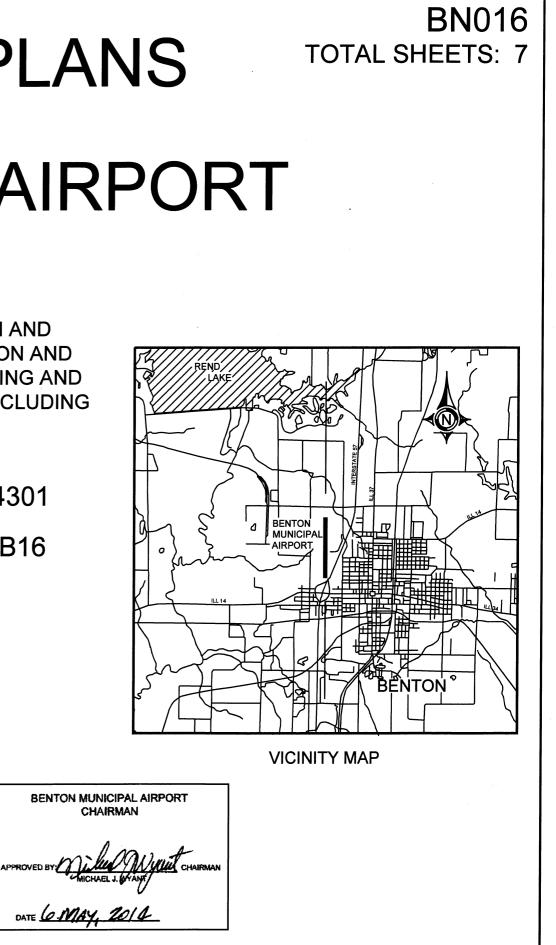
BENTON, ILLINOIS

DATE: APRIL 25, 2014



BROWN AND ROBERTS. INC. CONSULTING ENGINEERS PRESIDENT APRIL 30, 20 USC EXP DAT

| PLANS PREPARED BY: | | | | |
|-------------------------|--|--|--|--|
| BN | | | | |
| BROWN AND ROBERTS, INC. | | | | |
| 1 WEST RIDGE ROAD | | | | |
| HARRISBURG, IL. 62946 | | | | |
| (618) 252-8111 | | | | |



LOCATION MAP

12A

SUMMARY OF QUANTITIES

INDEX TO SHEETS

| ITEM NO. | DESCRIPTION | <u>UNIT</u> | QUANTITY | SHEET NO. | DESCRIPT |
|----------|-----------------------------------|-------------|----------|-----------|-----------|
| AR101570 | UPGRADE AIRPORT ROTATING BEACON | L.S. | 1 | 1 | COVER SH |
| AR101580 | REFURBISH 36" BEACON | L.S. | 1 | 2 | INDEX AN |
| AR103970 | REFURBISH & RELOCATE BEACON TOWER | L.S. | 1 | 3 | AIRPORT |
| AR108088 | 1/C #8 XLP-USE | L.F. | 1,000 | 4 | SITE PLAN |
| | | | | 5 | ELECTRIC |
| | | | | 6 | ELECTRIC |
| | | | | 7 | ELECTRIC |
| | | | | | |

BENTON MUNICIPAL AIRPORT IL PROJECT NO. H96-4301 SBGP NO. 3-17-SBGP-XX INDEX AND SUMMARY OF QUANTITIES SHEET 2 OF 7

BN016

PTION

SHEET

AND SUMMARY OF QUANTITIES

T SAFETY PLAN

AN

RICAL - ONE-LINE DIAGRAM

RICAL - BEACON DETAILS

RICAL - DETAILS

SCOPE OF WORK

THE PROJECT SCOPE CONSISTS OF THE RELOCATION AND REHABILITATION OF THE EXISTING AIRPORT BEACON AND OTHER NECESSARY AND RELATED WORK.

PROPOSED SAFETY PLAN

GENERAL- THE BENTON MUNICIPAL AIRPORT CURRENTLY HAS A PAVED NORTH-SOUTH RUNWAY (4000-FT BY 75-FT).

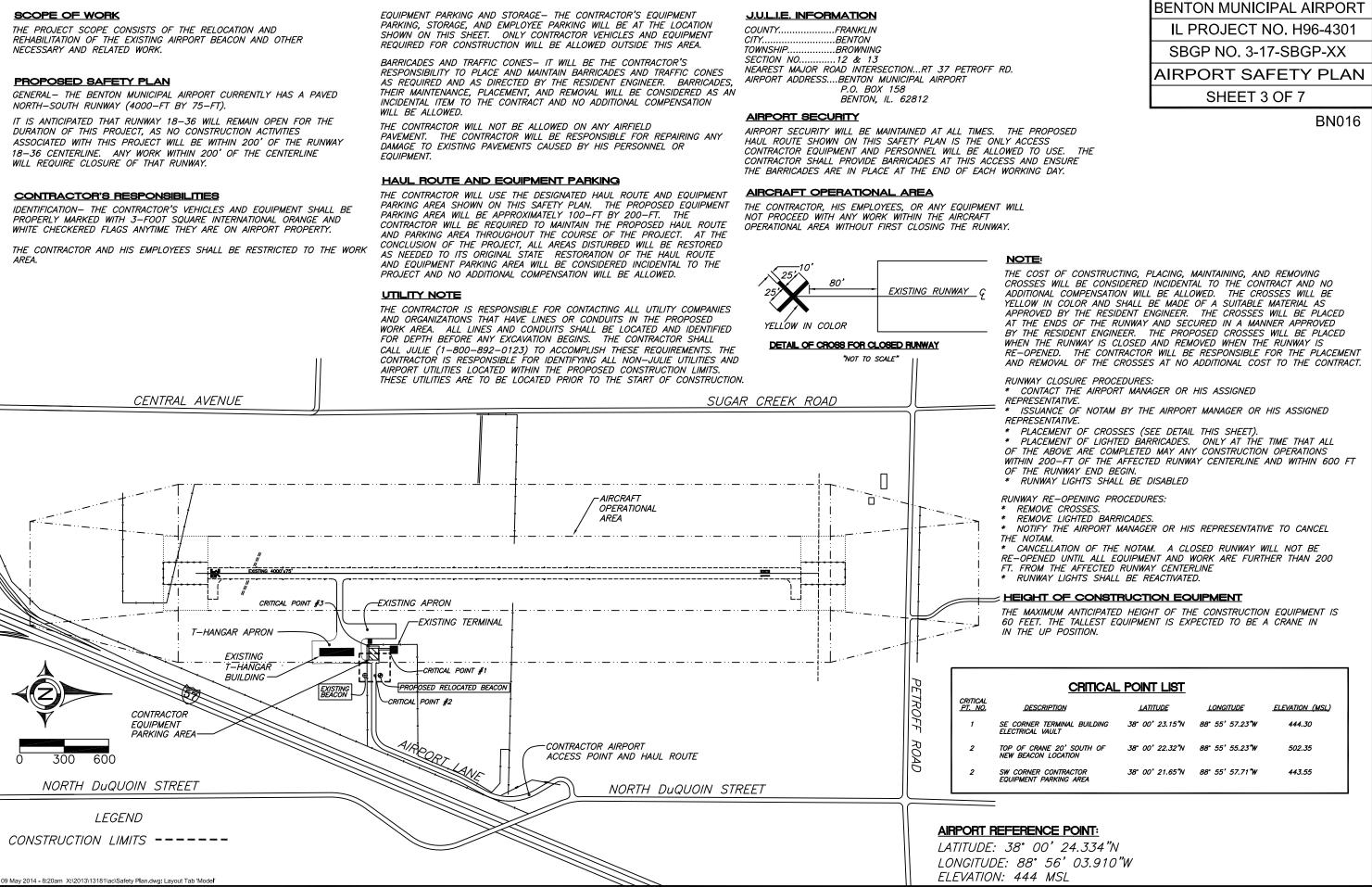
IT IS ANTICIPATED THAT RUNWAY 18-36 WILL REMAIN OPEN FOR THE DURATION OF THIS PROJECT, AS NO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT WILL BE WITHIN 200' OF THE RUNWAY 18-36 CENTERLINE. ANY WORK WITHIN 200' OF THE CENTERLINE WILL REQUIRE CLOSURE OF THAT RUNWAY.

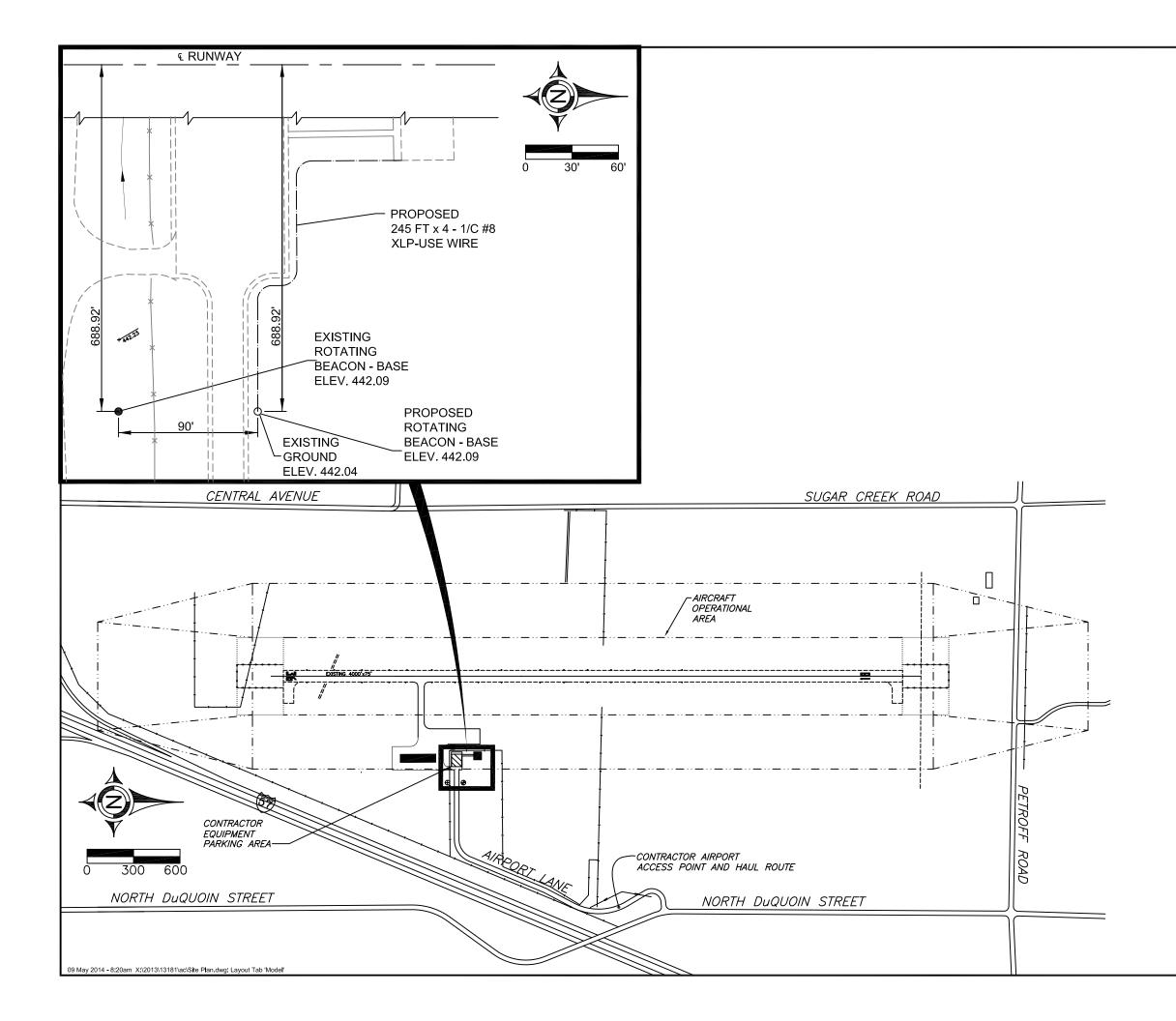
CONTRACTOR'S RESPONSIBILITIES

IDENTIFICATION- THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH 3-FOOT SQUARE INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

THE CONTRACTOR AND HIS EMPLOYEES SHALL BE RESTRICTED TO THE WORK ARFA.

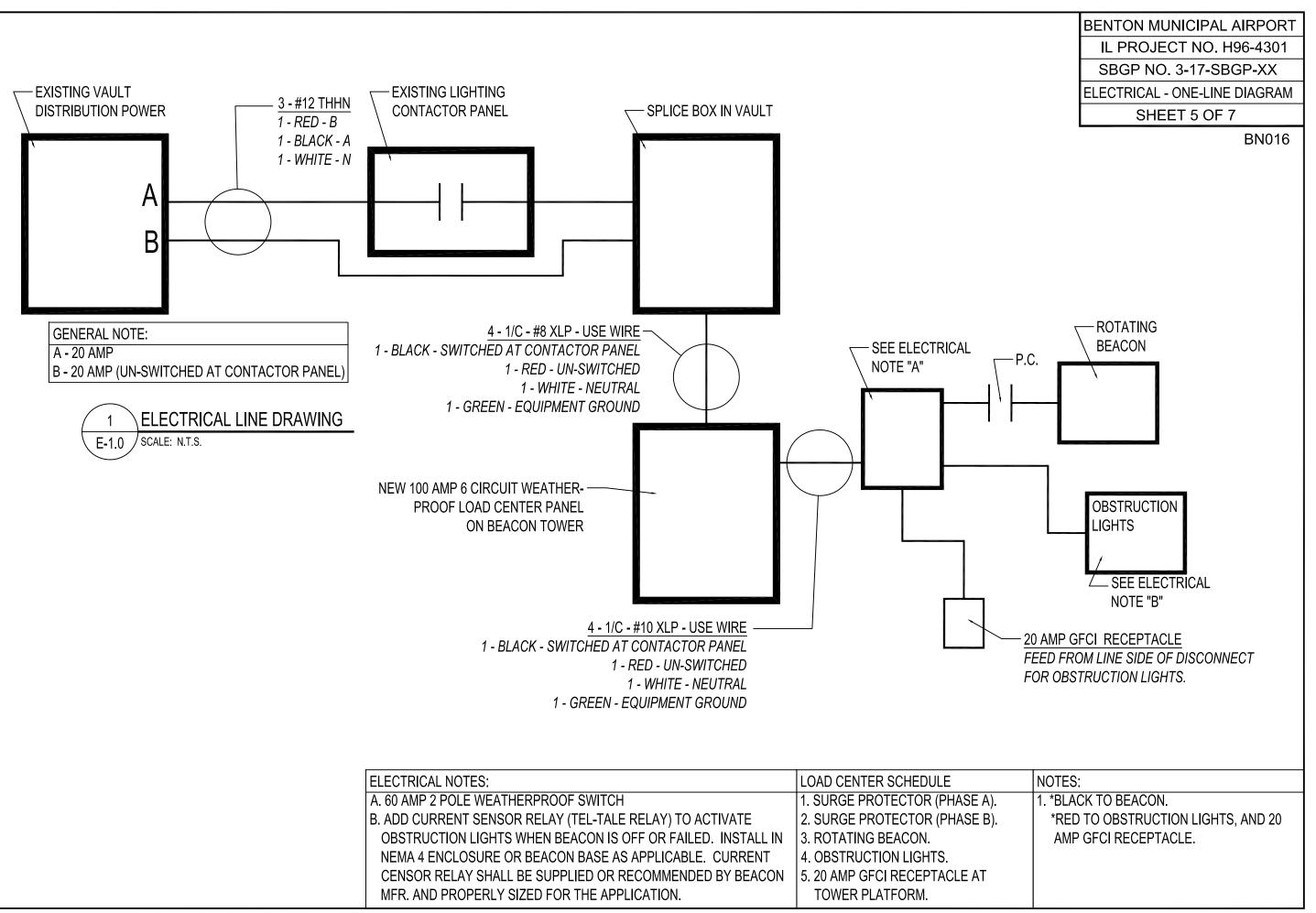
| COUNTY | FRANKLIN |
|------------------|-----------------------------------|
| XTY | BENTON |
| OWNSHIP | BROWNING |
| SECTION NO | 12 & 13 |
| VEAREST MAJOR R | OAD INTERSECTIONRT 37 PETROFF RD. |
| AIRPORT ADDRESS. | BENTON MUNICIPAL AIRPORT |
| | P.O. BOX 158 |
| | BENTON, IL. 62812 |



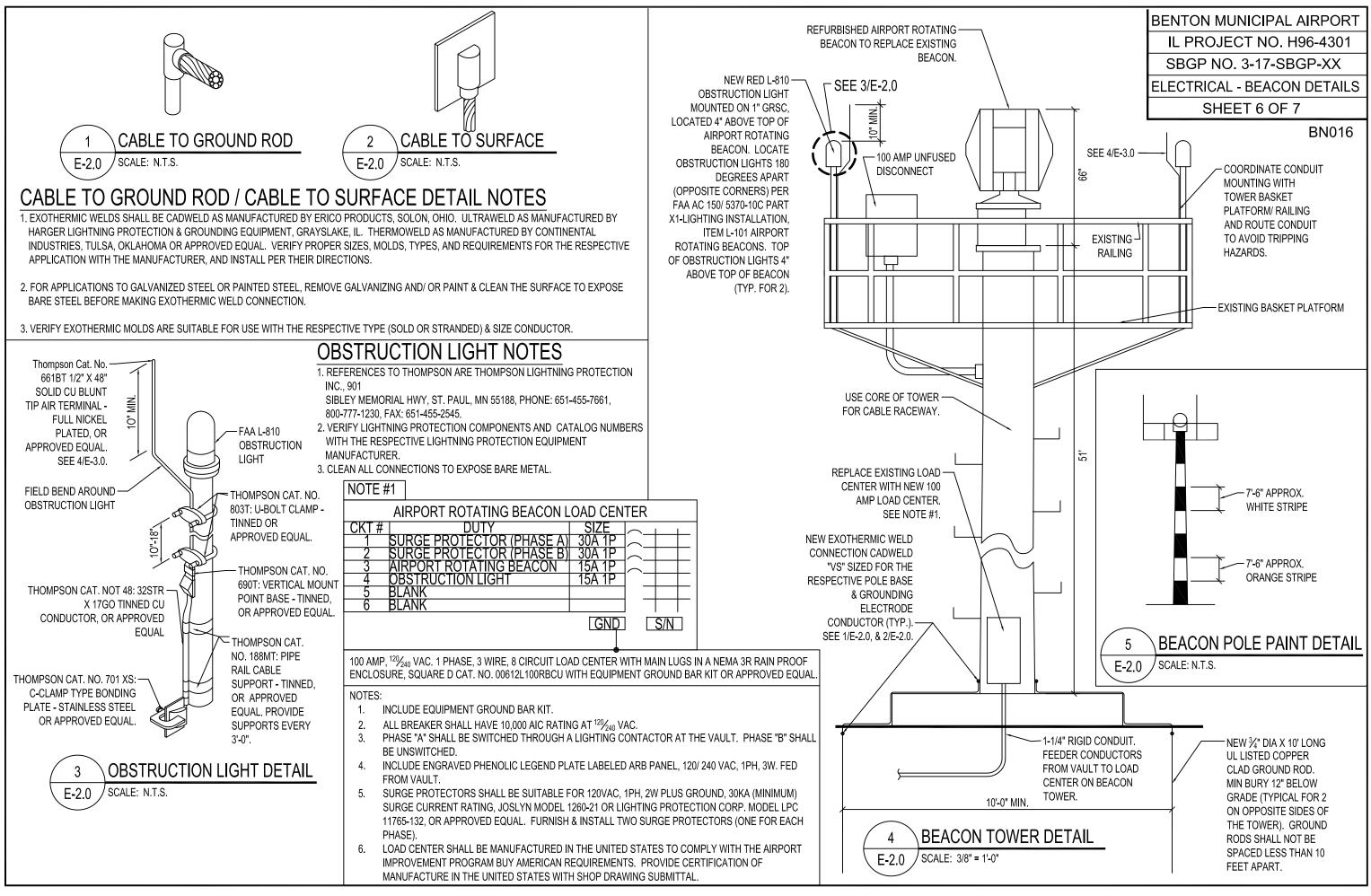


BENTON MUNICIPAL AIRPORT IL PROJECT NO. H96-4301 SBGP NO. 3-17-SBGP-XX SITE PLAN SHEET 4 OF 7

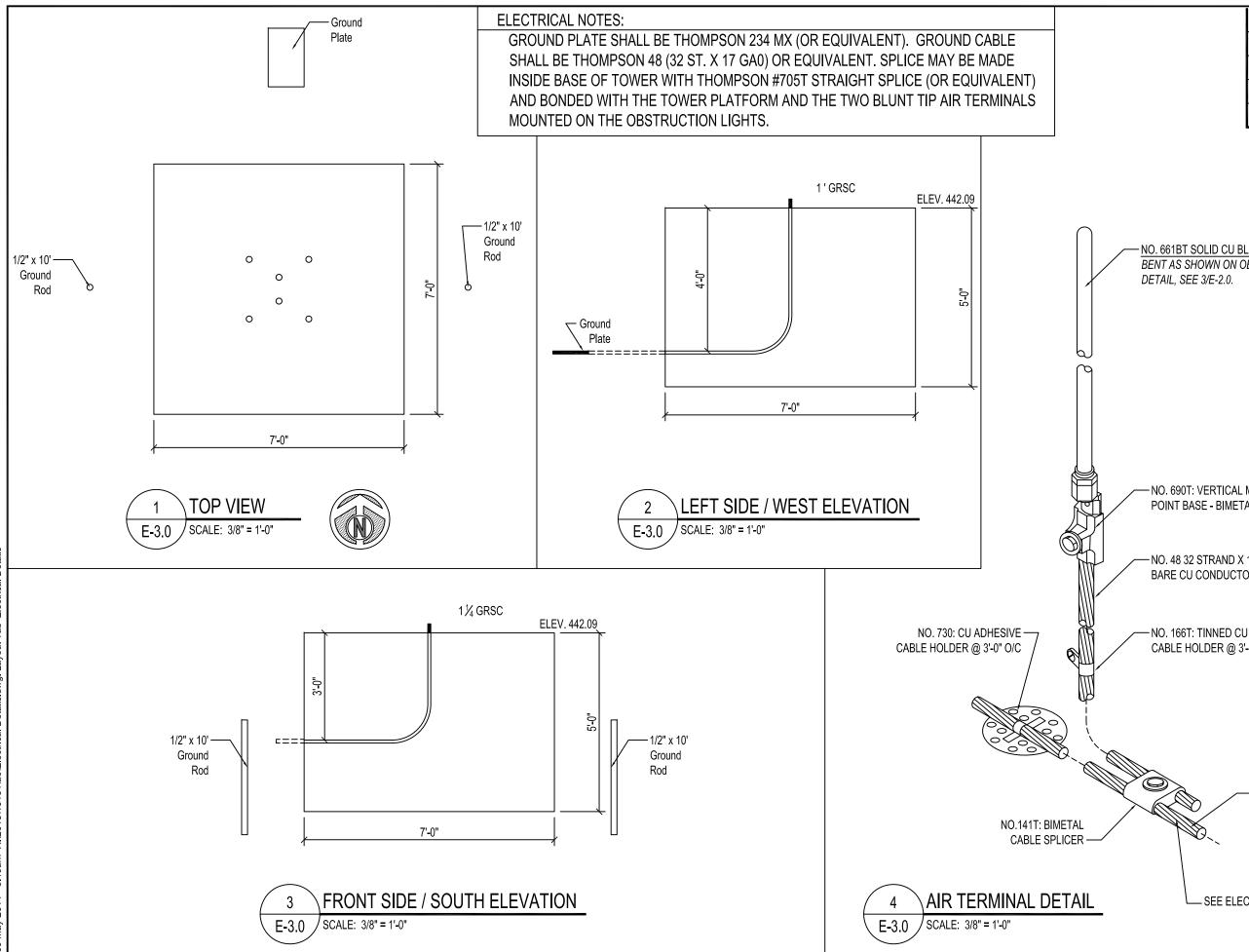
BN016



| ELECTRICAL NOTES: | LOAD CENTER SCHEDULE |
|--|--------------------------|
| A. 60 AMP 2 POLE WEATHERPROOF SWITCH | 1. SURGE PROTECTOR (PHA |
| B. ADD CURRENT SENSOR RELAY (TEL-TALE RELAY) TO ACTIVATE | 2. SURGE PROTECTOR (PHA |
| | 3. ROTATING BEACON. |
| NEMA 4 ENCLOSURE OR BEACON BASE AS APPLICABLE. CURRENT | 4. OBSTRUCTION LIGHTS. |
| CENSOR RELAY SHALL BE SUPPLIED OR RECOMMENDED BY BEACON | 5. 20 AMP GFCI RECEPTACL |
| MFR. AND PROPERLY SIZED FOR THE APPLICATION. | TOWER PLATFORM. |
| | |



09 May 2014 - 8:19am X: 2013/13181/ac/Electrical Details dwg: Layout Tab 'Beacon Deta



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BENTON MUNICIPAL AIRPORT IL PROJECT NO. H96-4301 SBGP NO. 3-17-SBGP-XX **ELECTRICAL - DETAILS** SHEET 7 OF 7

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- NO. 661BT SOLID CU BLUNT TIP AIR TERMINAL. BENT AS SHOWN ON OBSTRUCTION LIGHT

- NO. 690T: VERTICAL MOUNT POINT BASE - BIMETAL

-NO. 48 32 STRAND X 12 GAUGE BARE CU CONDUCTOR.

-NO. 166T. TINNED CU LOOP CABLE HOLDER @ 3'-0" O/C.

> PERIMETER CABLE LOOP ON FLOOR OF BASKET PLATFORM. AVOID TRIP HAZARD.

└── SEE ELECTRICAL NOTE "C", THIS SHEET.