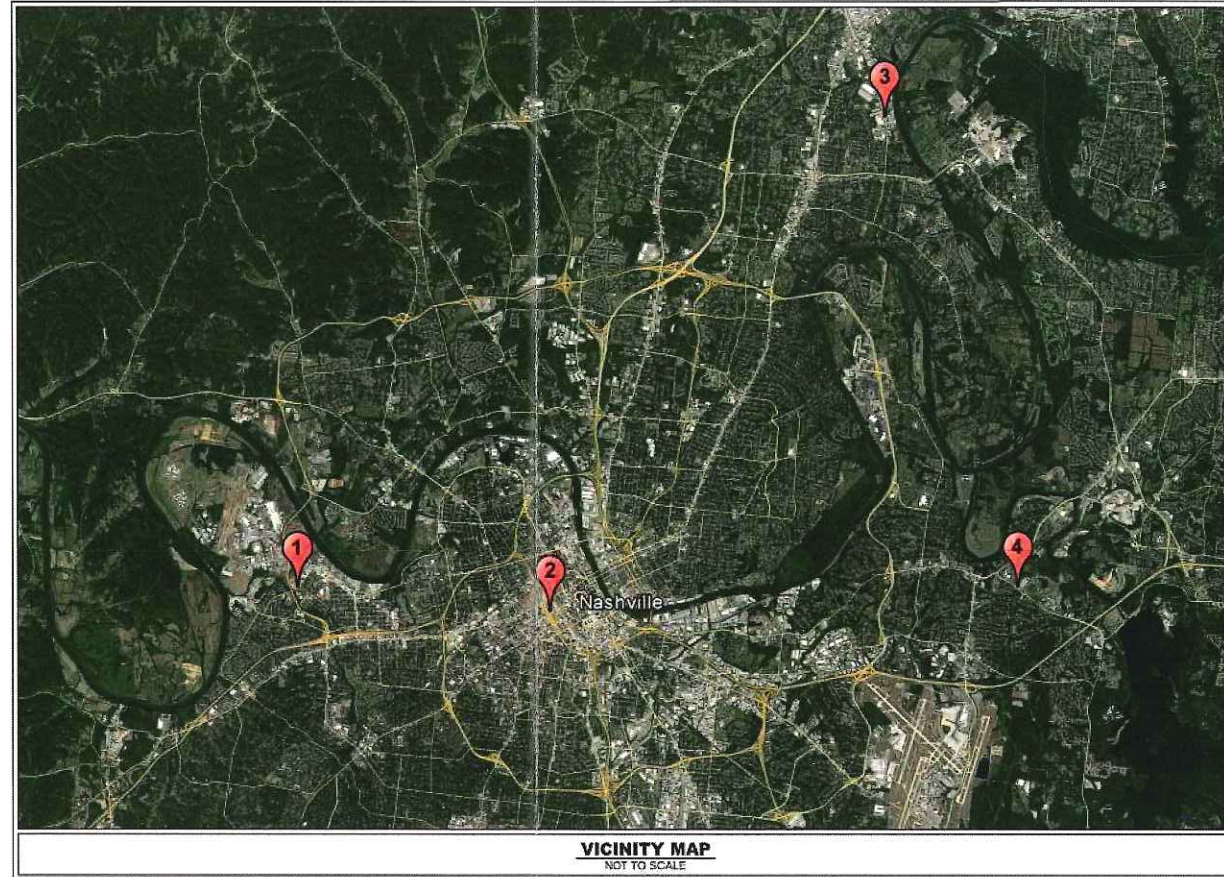


NES SIGNAGE



Nashville Electric Service
1214 Church Street
Nashville, TN 37246



VICINITY MAP
NOT TO SCALE

SITE LOCATION 1 : NES WEST
911 63RD AVENUE NORTH
NASHVILLE, TN 37209
PARCEL ID : 0910000200
ZONING : IR - INDUSTRIAL RESTRICTIVE

SITE LOCATION 2 : NES DOWNTOWN
1214 CHURCH STREET
NASHVILLE, TN 37246
PARCEL ID : 09305012200
ZONING : DTC

SITE LOCATION 3 : NES MADISON
488 MYATT DRIVE
NASHVILLE, TN 37116
PARCEL ID : 0430003200
ZONING : IR - INDUSTRIAL RESTRICTIVE

SITE LOCATION 4 : NES DONELSON
219 STEWARTS FERRY PIKE
NASHVILLE, TN 37214
PARCEL ID : 0960000100
ZONING : R10-RESIDENTIAL, OV - AIR

PREPARED BY:



214 Oceanside Drive
Nashville, TN 37204



MOODY•NOLAN

1625 Broadway
4th Floor
Nashville, TN 37203



2995 Sidco Drive
Nashville, TN 37204

Phone: (615) 564-2701 Fax: (xxx) xxx-xxxx

Phone: (615) 386-9690 Fax: (615) 386-0528

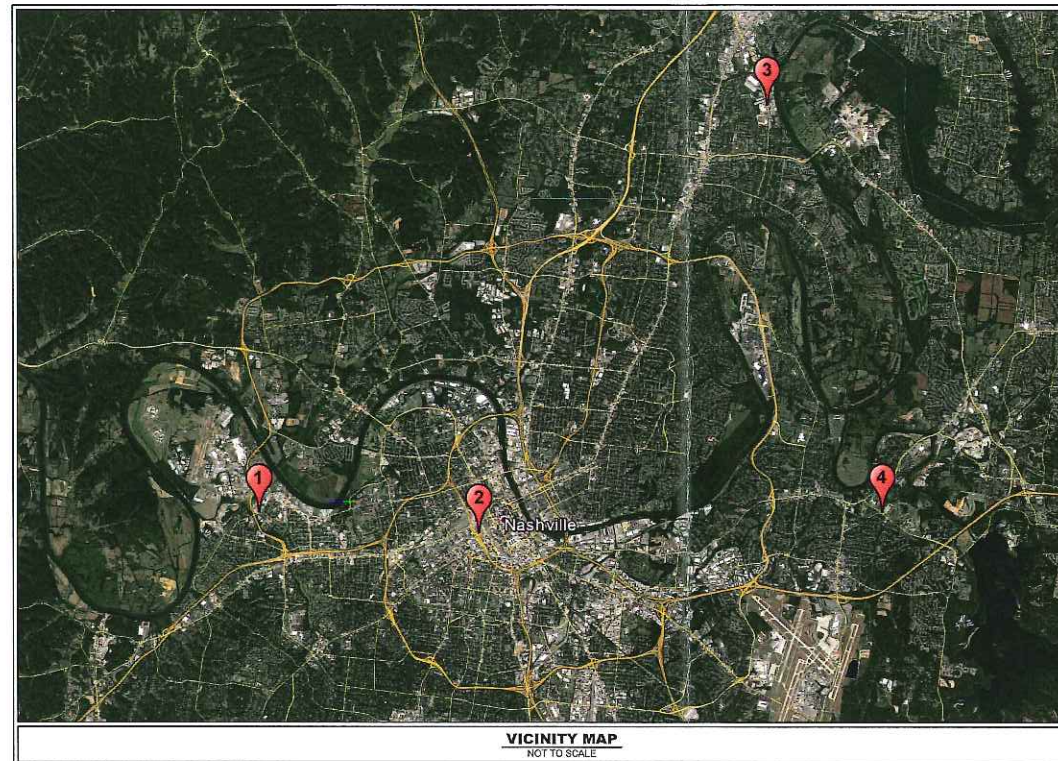
Phone: (615) 383-1113 Fax: (xxx) xxx-xxxx

CD Review Set 12/16/2016

SITE CIVIL PLANS FOR NES SIGNAGE PROGRAM

MULTIPLE SITES NASHVILLE, TENNESSEE

| SHEET INDEX | |
|-------------|----------------------------|
| NUMBER | DESCRIPTION |
| C0-00 | COVER |
| C0-10 | GENERAL NOTES |
| C2-10 | SIGN LAYOUT - NES WEST |
| C2-20 | SIGN LAYOUT - NES DOWNTOWN |
| C2-30 | SIGN LAYOUT - NES MADISON |
| C2-40 | SIGN LAYOUT - NES DONELSON |
| C2-50 | SIGN LAYOUT - DOWNTOWN |
| C8-00 | SIGNAGE DETAILS |



VICINITY MAP
NOT TO SCALE

SITE LOCATION 1 : NES WEST
911 63RD AVENUE NORTH
NASHVILLE, TN 37209
PARCEL ID : 09100000200
ZONING : IR - INDUSTRIAL RESTRICTIVE

SITE LOCATION 2 : NES DOWNTOWN
1214 CHURCH STREET
NASHVILLE, TN 37246
PARCEL ID : 08305012200
ZONING : DTC

SITE LOCATION 3 : NES MADISON
488 MYATT DRIVE
NASHVILLE, TN 37115
PARCEL ID : 04300003200
ZONING : IR - INDUSTRIAL RESTRICTIVE

SITE LOCATION 4 : NES DONELSON
219 STEWARTS FERRY PIKE
NASHVILLE, TN 37214
PARCEL ID : 09600000100
ZONING : R10-RESIDENTIAL, OV - AIR

PROJECT DESIGN TEAM

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MOODY NOLAN
1625 BROADWAY, 4TH FL.
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CIVIL ENGINEER
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JOSHUA GULICK, P.L.A.

PERMITTING / UTILITY CONTACTS

ELECTRIC
NASHVILLE ELECTRIC SERVICE
LARRY KELLY
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NASHVILLE, TN 37246
PHONE: (615) 747-3688

STORMWATER
METRO WATER SERVICES
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WATER
METRO WATER SERVICES
GEORGE REAGAN
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SANITARY SEWER
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OWNER / DEVELOPER

NES
NASHVILLE ELECTRIC SERVICE
1214 CHURCH STREET
NASHVILLE, TN 37246
PHONE: 615.747.3193
CONTACT: JOHN SCHMIDT



**Know what's below.
Call before you dig.**

| # | DATE | CHANGE DESCRIPTION |
|---|------|--------------------|
| | | |
| | | |
| | | |
| | | |

NES SIGNAGE
1214 CHURCH STREET
NASHVILLE, TN 37246
for
Nashville Electric Services

Kimley»Horn

214 Oceanside Drive Phone: (615) 564-2701
Nashville, TN 37204 www.kimley-horn.com

MOODY•NOLAN
1625 Broadway, 4th floor Phone: (615) 386-9690
Nashville, TN 37203 www.moodynolan.com

| DRAWING TITLE: | |
|--------------------|-----------------|
| COVER SHEET | |
| 12/15/2016 | |
| DRAWN BY: JAG | CHECKED BY: ZJD |
| Proj. #16601 | |
| C-00 | |
| CD's | |

CONTRACTOR RESPONSIBILITIES:

1. **PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR:**
 - A. THE CONTRACTOR SHALL VERIFY ALL PROPOSED AND EXISTING CONDITIONS INCLUDING UTILITIES (INVERTS, CONNECTIONS, MATERIALS, ETC.) AND DIMENSIONS WITHIN THE LIMITS OF WORK PRIOR TO THE START OF CONSTRUCTION.
 - B. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED BUILDING INFORMATION.
 - C. THE CONTRACTOR IS RESPONSIBLE FOR ALL NOTIFICATIONS AND LIAISONS WITH UTILITY COMPANIES DURING THE PROCESS OF LOCATING, RELOCATING, AND TYING INTO PUBLIC UTILITIES.
 - D. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
2. **DURING CONSTRUCTION:**
 - A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
 - B. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS. WHERE A CONFLICT OCCURS, THE STRICTEST DESIGN SHALL GOVERN. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE SPECIFIC DEVIATION.
 - C. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
 - D. ALL CONSTRUCTION MUST CONFORM TO THE STANDARDS, SPECIFICATIONS, AND CODES OF THE GOVERNING MUNICIPALITIES.
 - E. CONSTRUCTION SHALL MEET ALL STANDARDS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT.
 - F. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.
 - G. SUFFICIENT BARRICADES, LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS IN ACCORDANCE WITH GOVERNING ORDINANCES MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC. SAID CONTROL DEVICES SHALL BE PER THE MANUAL OF TRAFFIC CONTROL DEVICES, M.U.T.C.D., CURRENT EDITION, AND SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
 - H. TRAFFIC CONTROLS AND OTHER WARNING DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK ON CITY, COUNTY, OR TENNESSEE DEPARTMENT OF TRANSPORTATION ROADS. THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL WORK.
 - I. ALL WARNING DEVICES SHALL BE EITHER TYPE I BARRICADES OR DRUMS WITH WARNING LIGHTS ON EVERY OTHER DEVICE. THEY SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND METRO NASHVILLE STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
 - J. FIRE DEPARTMENT ACCESS SHALL BE MAINTAINED AT ALL TIMES.
 - K. CONTRACTOR SHALL SHORE AND BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, THERMAL, CONSTRUCTION, AND MISCELLANEOUS LOADS DURING CONSTRUCTION.
 - L. ON-SITE BURIAL OF DEBRIS IS PROHIBITED.
 - M. UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS TO THE ENGINEER. DESIGN DOCUMENTS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS.
 - N. IN CASE OF UNFORESEEN CONSTRUCTION COMPLICATIONS OR DISCREPANCIES, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.
 - O. ALL REQUIRED TESTING REPORTS SHALL BE AVAILABLE AT THE JOB SITE.
 - P. AS-BUILT DRAWINGS OF ROADWAYS, STORM DRAINS, SANITARY SEWER AND WATER LINES, FIELD APPROVAL BY THE ENGINEER, AND ALL APPLICABLE BONDS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
 - Q. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS, ALL FILL AREAS MUST BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR.
 - R. CONTRACTOR SHALL MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL EXISTING BUILDINGS THROUGHOUT CONSTRUCTION UNLESS APPROVAL FOR SERVICE INTERRUPTION IS OBTAINED FROM THE OWNERS IN ADVANCE.
 - S. CUT AND FILL SLOPES SHALL NOT EXCEED 3:1 H:V.

DEMOLITION INFORMATION:

1. **NOTIFICATIONS:**
THE CONTRACTOR SHALL NOTIFY THE OWNER AND CITY INSPECTOR(S) 24 HOURS PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
2. **DISPOSAL GUIDELINES:**
 - A. ONLY ITEMS SPECIFICALLY NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE.
3. **TREE PROTECTION GUIDELINES:**
PROTECT ALL EXISTING TREES AND ALL ITEMS TO BE TURNED OVER TO THE OWNER DURING DEMOLITION. TAKE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES. ANY EXISTING ITEMS TO BE TURNED OVER TO THE OWNER WHICH ARE DAMAGED DURING DEMOLITION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. TREES WHICH ARE DAMAGED WILL BE REPLACED OR REIMBURSED AT A RATE TO BE DETERMINED BY THE OWNER.
4. **UTILITIES:**
 - A. PRIOR TO REMOVING OR ABANDONING ANY UTILITY THE CONTRACTOR SHALL VERIFY THAT NO UPSTREAM SERVICE WILL BE TERMINATED. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY TERMINATION NOT SHOWN ON THE PLANS.
 - B. ALL ABANDONED WATER LINES, STORM SEWER PIPE, SANITARY SEWER PIPES, GAS LINES, OR ANY OTHER ABANDONED UNDERGROUND UTILITY SHALL BE ABANDONED IN PLACE UNLESS NOTED OTHERWISE.

SITE INFORMATION:

1. **THE FOLLOWING ARE APPLICABLE TO ALL CIVIL DOCUMENTS:**
 - A. WHERE A DETAIL SECTION, TYPICAL SECTION, OR A NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED ON THE PLANS.
 - B. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

EROSION AND SEDIMENT CONTROL INFORMATION:

1. **COMPREHENSIVE:**
 - A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
 - B. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE AT A MINIMUM IN CONFORMANCE WITH THE REQUIREMENTS OF THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOKS. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
 - C. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE STANDARDS SPECIFIED IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOKS, CURRENT EDITION.
 - D. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DEEMED NECESSARY BY OWNER BEFORE OR DURING CONSTRUCTION.
 - E. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - F. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.
 - G. CONSTRUCTION EXITS SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE AND SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE AS CONDITIONS DEMAND, REPAIR, AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OFF SITE ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. ACCESS POINTS PROTECTED WITH A CONSTRUCTION EXIT SHALL BE OTHERWISE BARRICADED UNTIL THE SITE IS STABILIZED.

CONCRETE INFORMATION (SITE WORK AND FREESTANDING WALL):

1. **PRODUCT CRITERIA:**
 - A. UNLESS OTHERWISE NOTED CEMENT SHALL BE TYPE I OR III CONFORMING TO ASTM C150. AGGREGATES SHALL BE NORMAL WEIGHT CONFORMING TO ASTM C33.
 - B. CONCRETE SHALL CONFORM TO ACI BUILDING CODE (318-89). UNLESS NOTED CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,500 P.S.I.
 - C. SLUMP SHALL BE 3" TO 5" FOR REGULAR MIX. LARGER SLUMP SHALL BE PERMITTED WITH WATER REDUCING ADMIXTURES AND WRITTEN CONSENT OF THE ENGINEER.
 - D. THE RELATIONSHIP BETWEEN MAXIMUM AGGREGATE SIZE TO MINIMUM AMOUNT OF CEMENT IN CONCRETE PAVEMENT (LB. PER C.Y. OR MIX) SHALL BE AS FOLLOWS: 1" - 520, 3/4" - 540, 1/2" - 590, 3/8" - 610.
2. **CURING CRITERIA:**
 - A. CONCRETE CURING SHALL COMPLY WITH ACI 308. CURING PROCESS SHALL START IMMEDIATELY FOLLOWING INITIAL SET. CURING SHALL BE BY CURING COMPOUND.
 - B. CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ACI 318-89 TABLE 4.1.1. NORMAL WEIGHT CONCRETE SLABS SHALL HAVE AIR CONTENT IN ACCORDANCE WITH ACI 302.1R-89 TABLE 5.2.7A.
 - C. HOT WEATHER CONCRETING SHALL COMPLY WITH ACI 305. NO CONCRETE ABOVE 90 DEGREES FAHRENHEIT SHALL BE POURED. LOWER CONCRETE TEMPERATURE BY COOLING WATER AND AGGREGATE. FORMS, STEEL, AND SUBGRADE SHALL BE SPRINKLED WITH COLD WATER. AFTER FINISHING CONCRETE USE LIGHT FOG SPRAY UNTIL CURING COMPOUND IS USED.
 - D. COLD WEATHER CONCRETING SHALL COMPLY WITH ACI 306. SPECIAL MATERIAL PROCEDURES SHALL BE PROVIDED DURING PLACING AND CURING OF CONCRETE BELOW 40 DEGREES FAHRENHEIT.
 - E. CURING, HOT, AND COLD WEATHER CONCRETING PROCEDURES ARE ONLY GIVEN AS A GUIDE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT CONCRETE DAMAGE AND CRACKS. DAMAGED OR CRACKED CONCRETE WILL NOT BE ACCEPTED.

REINFORCING STEEL INFORMATION (SITE WORK AND FREESTANDING WALL) :

1. **PRODUCT CRITERIA:**
 - A. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60 AND GRADE 40 FOR #3 AND SMALLER BARS. MINIMUM LAP 48" DIAMETER.
 - B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, MINIMUM LAP SHALL BE 8".
 - C. REINFORCING THAT IS WELDED SHALL BE WELDABLE TYPE AND CONFORM TO ASTM A-706.

GRADING NOTES:

- A. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL ROUT AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT THE LOSS OF TOPSOIL MATERIAL.
- B. UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL AND SEEDED.
- C. FILL AREA SHALL BE RE-COMPACTED TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR).
- D. CUT AREA SHALL BE RE-COMPACTED TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR).
- E. GRADING SHALL BE SEQUENCED SO THAT BASE STONE IS PLACED WITHIN 10 CALENDAR DAYS OF ACHIEVING OPTIMUM SUBGRADE COMPACTION.
- F. SOILS COMPACTION TESTING OF IN-PLACE AND FILLED AND COMPACTION AREAS WILL BE PERFORMED BY TESTING LABORATORY IN ACCORDANCE WITH THEIR REQUIREMENTS.
- G. THE SOILS ENGINEER'S AND TESTING LABORATORY'S FEES WILL BE PAID BY THE CONTRACTOR.
- H. APPLICABLE SPECIFICATIONS FOR COMPACTION FILL: THE FOLLOWING CURRENT AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) STANDARDS ARE HEREBY MADE PART OF THIS SPECIFICATION:
 - D421-58, DRY PREPARATION OF SOIL SAMPLES FOR GRAIN-SIZE ANALYSIS AND DETERMINATION OF SOIL CONSTANTS.
 - D422-63, STANDARD METHOD OF PARTICLE SIZE ANALYSIS OF SOILS.
 - D1140-54, METHOD OF TEST FOR AMOUNT OF MATERIAL IN SOILS FINER THAN NO.200 SIEVE.
 - D698, METHOD FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT
 - D1557-78, STANDARD TEST METHODS FOR MOISTURE-DENSITY RELATIONS OF SOILS AND SOIL-AGGREGATE MIXTURES USING 10 LB. (4.54-KG) RAMMER AND 18-INCH (457 MM) DROP.
- J. PROVIDE POSITIVE DRAINAGE AWAY FROM SIGNAGE AT ALL LOCATIONS UNLESS OTHERWISE NOTED.



Know what's below.
Call before you dig.

| # | DATE | CHANGE DESCRIPTION |
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NES SIGNAGE
1214 CHURCH STREET
NASHVILLE, TN 37246
for
NES Nashville Electric Services

Kimley»Horn

214 Oceanside Drive Nashville, TN 37204 Phone: (615) 564-2701 www.kimley-horn.com

MOODY•NOLAN
1625 Broadway, 4th floor Nashville, TN 37203 Phone: (615) 386-9690 www.moodynolan.com

DRAWING TITLE: **GENERAL NOTES**

| | |
|---------------|-----------------|
| 12/15/2016 | |
| DRAWN BY: JAG | CHECKED BY: ZJD |
| Proj. #16601 | |
| C0-10 | |
| CD's | |



1 NES WEST SITE - NEW SIGN - PLAN VIEW
SCALE: 1" = 20'

| SITE LOCATION | |
|--|--|
| "NES WEST" | |
| 911 63RD AVENUE NORTH NASHVILLE, TN 37209 | |
| PARCEL ID : 0910000200 ZONING : IR - INDUSTRIAL RESTRICTIVE | |

| SIGN INFORMATION | |
|--------------------|--------------------|
| SIGN FACE AREA: | 120 sf (2 x 60 sf) |
| PROPERTY FRONTAGE: | 585' |

- SIGN NOTES**
- BUILD NEW MASONRY SIGN.
 - CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO MASONRY WALL THROUGHOUT PROJECT.
 - CONTRACTOR SHALL CLEAN WALL WITH LIGHT ABRASIVE TO REMOVE DIRT AND GRIME.
 - CONTRACTOR TO PREPARE WALL FOR SIGNAGE INSTALLATION.
 - INSTALL PINNED OFF LETTERS AND SIGNAGE TO WALL PER SHOP DRAWINGS REQUESTED ON SHEET C8-00.
 - CONTRACTOR RESPONSIBLE FOR REPLACING DISTURBED SOIL, MULCH AND PLANT MATERIALS IN KIND.

| PLAN LEGEND | |
|-------------|--------------------------------|
| | PROPERTY / RIGHT-OF-WAY LINE |
| | EASEMENT / SIGHT TRIANGLE LINE |
| | EXISTING STORM PIPE |
| | PHOTOGRAPH VIEW POSITION |

- SITE NOTES**
- CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO EVALUATE SLOPE AND GRADING OF EACH SITE. CONTRACTOR TO ADJUST MATERIAL QUANTITIES BASED ON EVALUATION.
 - CONTRACTOR TO CALL 811 AND HAVE UTILITIES LOCATED PRIOR TO STAKING.
 - HORIZONTAL LAYOUT SHOWN IS APPROXIMATE AND BASED ON AERIAL PHOTOGRAPHS AND AVAILABLE GIS INFORMATION. CONTRACTOR SHALL STAKE SIGN LOCATION PRIOR TO DISTURBANCE FOR APPROVAL BY OWNER PRIOR TO ORDERING MATERIALS.
 - CONTRACTOR SHALL APPLY PERMANENT LOCAL SOD STABILIZATION TO ALL DISTURBED AREAS.
 - CONTRACTOR RESPONSIBLE FOR MAINTAINING SOD IN HEALTHY CONDITION FOR 12 MONTHS.
 - CONTRACTOR SHALL REPLACE ALL DAMAGED OR REMOVED LANDSCAPE MATERIALS (SUCH AS MULCH, SOD AND PLANTINGS) IN KIND.

EXISTING UTILITIES NOTE

CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND/OR CONFLICTS WITH EXISTING OR PROPOSED UTILITIES PRIOR TO PROCEEDING.

SEE DETAILS SHEET C8-00

SEE GENERAL NOTES SHEET C0-10



PHOTOGRAPH - VIEW 1
SCALE: N/A



PHOTOGRAPH - VIEW 2
SCALE: N/A



Know what's below.
Call before you dig.

| # | DATE | CHANGE DESCRIPTION |
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NES SIGNAGE
1214 CHURCH STREET
NASHVILLE, TN 37246
for
NES Nashville Electric Services

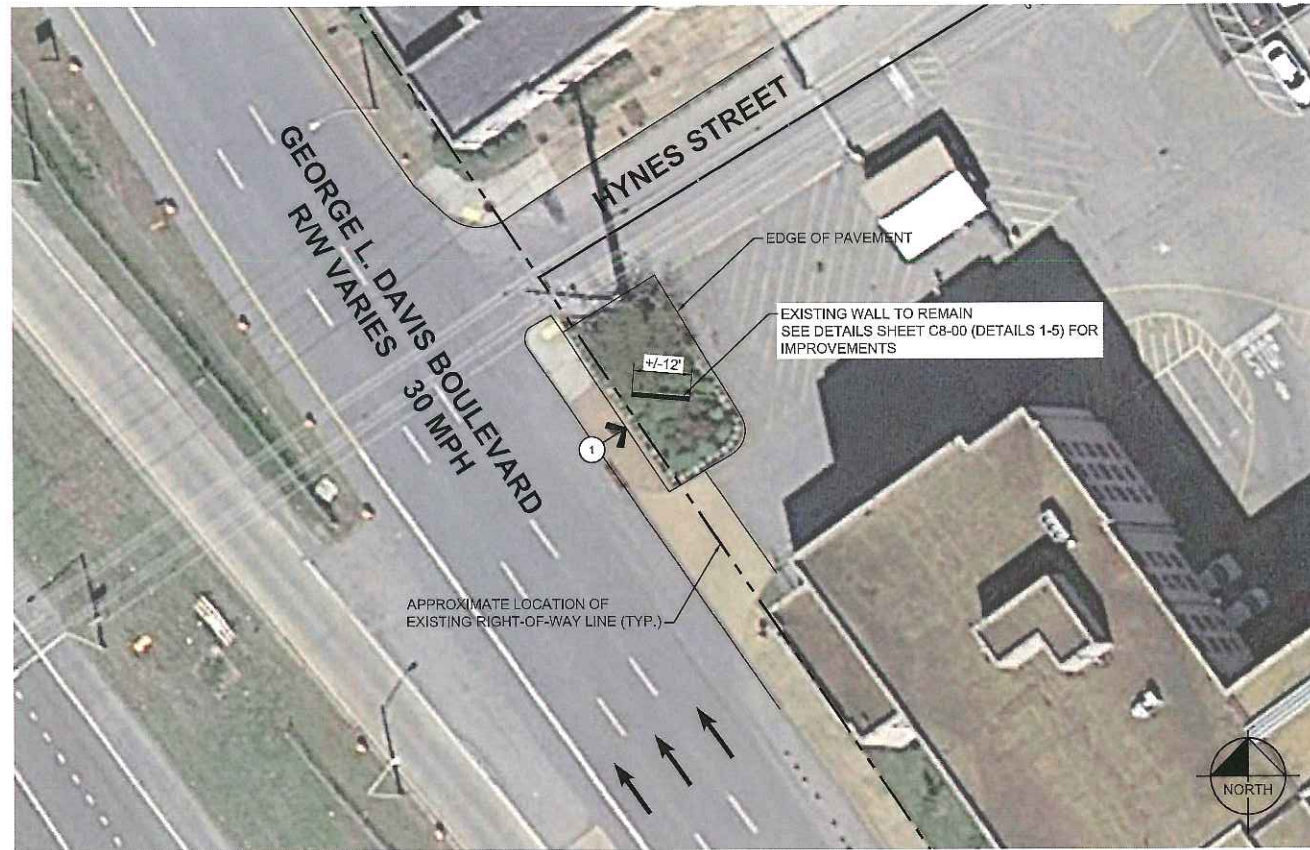
Kimley»Horn

214 Oceanside Drive Nashville, TN 37204 Phone: (615) 564-2701 www.kimley-horn.com

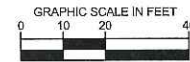
MOODY•NOLAN
1625 Broadway, 4th floor Nashville, TN 37203 Phone: (615) 386-9690 www.moodynolan.com

DRAWING TITLE:
**SITE LAYOUT - NES WEST
NEW SIGN**

| | |
|---------------|-----------------|
| | 12/15/2016 |
| DRAWN BY: JAG | CHECKED BY: ZJD |
| Proj. #16601 | |
| C2-10 | |
| CD's | |



1 NES DOWNTOWN SITE - EXISTING SIGN TO BE MODIFIED - PLAN VIEW
SCALE: 1" = 20'



| SITE LOCATION | |
|---|--|
| "NES DOWNTOWN" | |
| 1214 CHURCH STREET NASHVILLE, TN 37246 | |
| PARCEL ID : 09305012200 ZONING : DTC - DOWNTOWN CODE | |

| SIGN INFORMATION | |
|--------------------|--------------------|
| SIGN FACE AREA: | 120 sf (2 x 60 sf) |
| PROPERTY FRONTAGE: | 557' |

- | SIGN NOTES | |
|------------|--|
| 1. | EXISTING MASONRY WALL TO REMAIN. |
| 2. | CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO MASONRY WALL THROUGHOUT PROJECT. |
| 3. | REMOVE METAL POSTS AND BLUE (NES) LETTERS IN ENTIRETY FROM SITE. |
| 4. | COORDINATE WITH OWNERS REPRESENTATIVE FOR STORAGE OF LETTERS AND METAL POLES. ENSURE NO DAMAGE TO FOOTINGS UPON REMOVAL OF LETTERS. |
| 5. | CONTRACTOR TO PATCH AND REPAIR ANY DAMAGE OR PENETRATIONS FROM REMOVED SIGNAGE. PATCH AND REPAIR MATERIALS MUST BE APPROVED MATERIALS. |
| 6. | CONTRACTOR SHALL CLEAN WALL BEFORE PAINTING WALL. (SEE PAINT NOTES THIS SHEET) |
| 7. | CONTRACTOR PREPARE AND PRIME WALL SURFACE FOR EXTERIOR PAINT. (SEE PAINT NOTES THIS SHEET) |
| 8. | CONTRACTOR TO SUBMIT PAINT COLOR, MANUFACTURER AND SPECIFICATIONS TO OWNERS REP FOR APPROVAL PRIOR TO INSTALLATION / APPLICATION. |
| 9. | APPLY A 3-COAT MINIMUM OF APPROVED PAINT TO THE WALL. SEE ARCHITECTURE SPECIFICATIONS FOR PAINT TYPE AND COLOR. |
| 10. | INSTALL PINNED OFF LETTERS AND SIGNAGE TO WALL PER SHOP DRAWINGS REQUESTED ON SHEET C8-00. |
| 11. | CONTRACTOR RESPONSIBLE FOR REPLACING DISTURBED SOIL, MULCH AND PLANT MATERIALS IN KIND. |

- | PAINT NOTES | |
|-------------|--|
| 1. | EXISTING BRICK WALL TO BE PAINTED WHITE. |
| 2. | POWER WASH SURFACES TO BE COATED WITH A BIODEGRADABLE CLEANER AND WATER TO REMOVE DIRT, GREASE, OIL AND OTHER ENVIRONMENTAL CONTAMINATION. REMOVE EXCESS MORTAR BY WIRE BRUSHING OR OTHER SUITABLE MEANS. WAIT UNTIL COMPLETELY DRY BEFORE PAINTING. |
| 3. | BRICK SHALL RECEIVE TWO COATS OF ACRYLIC PAINT OVER AN ACRYLIC MASONRY PRIMER |
| 4. | 1ST COAT: PPG PAINTS 4-803 PERMACRETE ACRYLIC ALKALI RESISTANT MASONRY PRIMER |
| 5. | 2ND COAT: PPG PAINTS 6-800XI (SEMI-GLOSS) SPEEDHIDE 100% ACRYLIC EXTERIOR PAINT |
| 6. | 3RD COAT: PPG PAINTS 6-800XI (SEMI-GLOSS) SPEEDHIDE 100% ACRYLIC EXTERIOR PAINT |

| PLAN LEGEND | |
|-------------|--------------------------------|
| | PROPERTY / RIGHT-OF-WAY LINE |
| | EASEMENT / SIGHT TRIANGLE LINE |
| | EXISTING STORM PIPE |
| | PHOTOGRAPH VIEW POSITION |

| EXISTING UTILITIES NOTE |
|---|
| CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND/OR CONFLICTS WITH EXISTING OR PROPOSED UTILITIES PRIOR TO PROCEEDING. |

- | SITE NOTES | |
|------------|--|
| 1. | CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO EVALUATE SLOPE AND GRADING OF EACH SITE. CONTRACTOR TO ADJUST MATERIAL QUANTITIES BASED ON EVALUATION. |
| 2. | CONTRACTOR TO CALL 511 AND HAVE UTILITIES LOCATED PRIOR TO STAKING. |
| 3. | HORIZONTAL LAYOUT SHOWN IS APPROXIMATE AND BASED ON AERIAL PHOTOGRAPHS AND AVAILABLE GIS INFORMATION. CONTRACTOR SHALL STAKE SIGN LOCATION PRIOR TO DISTURBANCE FOR APPROVAL BY OWNER PRIOR TO ORDERING MATERIALS. |
| 4. | CONTRACTOR SHALL APPLY PERMANENT LOCAL SOD STABILIZATION TO ALL DISTURBED AREAS. |
| 5. | CONTRACTOR RESPONSIBLE FOR MAINTAINING SOD IN HEALTHY CONDITION FOR 12 MONTHS. |
| 6. | CONTRACTOR SHALL REPLACE ALL DAMAGED OR REMOVED LANDSCAPE MATERIALS (SUCH AS MULCH, SOD AND PLANTINGS) IN KIND. |

SEE DETAILS SHEET C8-00

SEE GENERAL NOTES SHEET C0-10



PHOTOGRAPH - VIEW 1
SCALE: N/A



Know what's below.
Call before you dig.

| # | DATE | CHANGE DESCRIPTION |
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NES SIGNAGE
1214 CHURCH STREET
NASHVILLE, TN 37246
for
NES Nashville Electric Services

Kimley»Horn

214 Oceanside Drive Nashville, TN 37204 Phone: (615) 564-2701 www.kimley-horn.com

MOODY•NOLAN

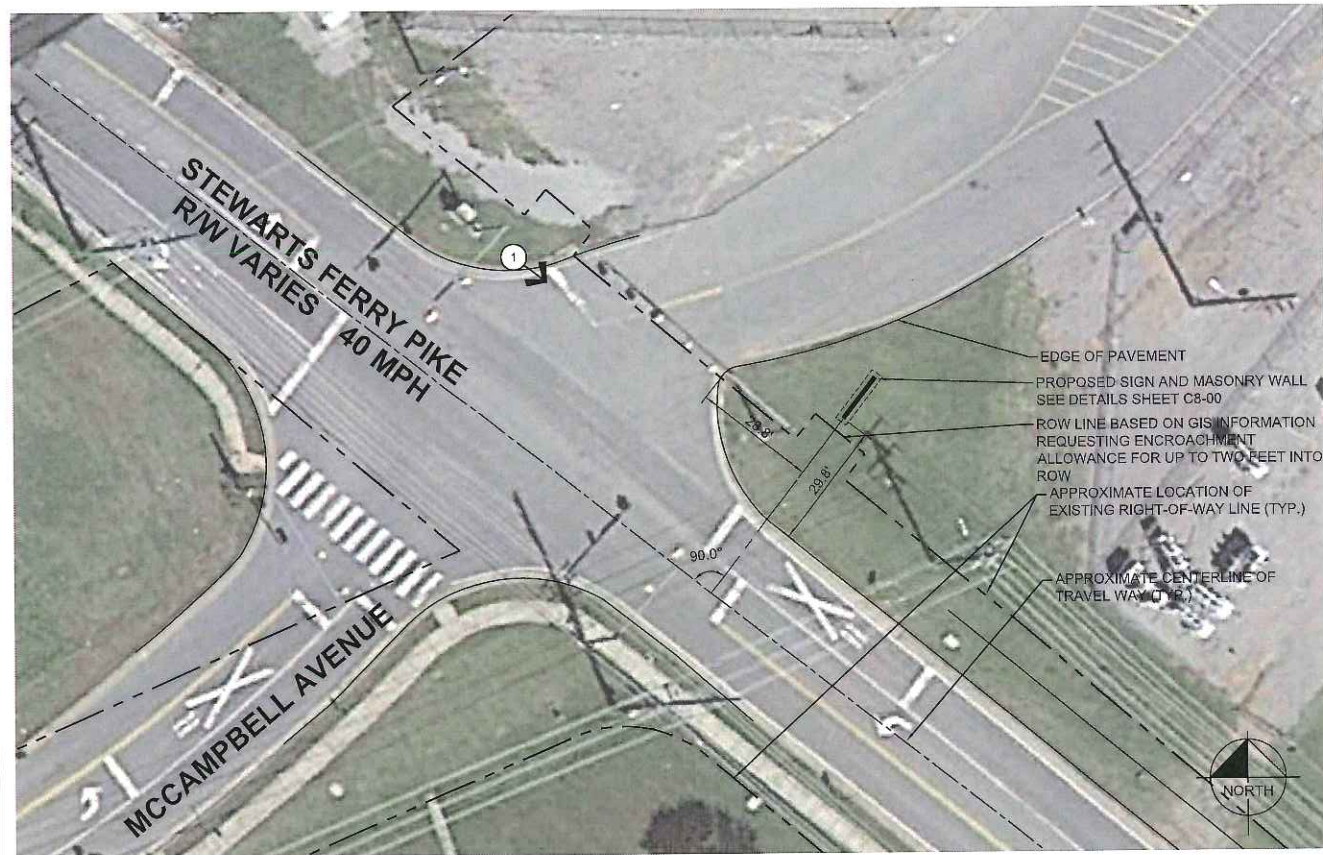
1625 Broadway, 4th floor Nashville, TN 37203 Phone: (615) 386-9690 www.moodynolan.com

DRAWING TITLE:
SITE LAYOUT - NES DOWNTOWN EXISTING SIGN TO BE MODIFIED

12/15/2016
DRAWN BY: JAG CHECKED BY: ZJD
Proj. #16601

C2-20

CD's



1 NES DONELSON SITE - NEW SIGN - PLAN VIEW
SCALE: 1" = 20'

| | |
|---|---|
| SITE LOCATION "NES DONELSON" 219 STEWARTS FERRY PIKE NASHVILLE, TN 37214 PARCEL ID : 09600000100 ZONING : R10 - RESIDENTIAL, OV-AIR | PLAN LEGEND - - - - PROPERTY / RIGHT-OF-WAY LINE ——— EASEMENT / SIGHT TRIANGLE LINE EXISTING STORM PIPE PHOTOGRAPH VIEW POSITION |
| SIGN INFORMATION SIGN FACE AREA: 120 sf (2 x 60 sf) PROPERTY FRONTAGE: 725' | SITE NOTES 1. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO EVALUATE SI PIPE AND GRADING OF EACH SITE. CONTRACTOR TO ADJUST MATERIAL QUANTITIES BASED ON EVALUATION. 2. CONTRACTOR TO CALL 811 AND HAVE UTILITIES LOCATED PRIOR TO STAKING. 3. HORIZONTAL LAYOUT SHOWN IS APPROXIMATE AND BASED ON AERIAL PHOTOGRAPHS AND AVAILABLE GIS INFORMATION. CONTRACTOR SHALL STAKE SIGN LOCATION PRIOR TO DISTURBANCE FOR APPROVAL BY OWNER PRIOR TO ORDERING MATERIALS. 4. CONTRACTOR SHALL APPLY PERMANENT LOCAL SOD STABILIZATION TO ALL DISTURBED AREAS. 5. CONTRACTOR RESPONSIBLE FOR MAINTAINING SOD IN HEALTHY CONDITION FOR 12 MONTHS. 6. CONTRACTOR SHALL REPLACE ALL DAMAGED OR REMOVED LANDSCAPE MATERIALS (SUCH AS MULCH, SOD AND PLANTINGS) IN KIND. |
| SIGN NOTES 1. BUILD NEW MASONRY SIGN. 2. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO MASONRY WALL THROUGHOUT PROJECT. 3. CONTRACTOR SHALL CLEAN WALL WITH LIGHT ABRASIVE TO REMOVE DIRT AND GRIME. 4. CONTRACTOR TO PREPARE WALL FOR SIGNAGE INSTALLATION. 5. INSTALL PINNED OFF LETTERS AND SIGNAGE TO WALL PER SHOP DRAWINGS REQUESTED ON SHEET C8-00. 6. CONTRACTOR RESPONSIBLE FOR REPLACING DISTURBED SOIL, MULCH AND PLANT MATERIALS IN KIND. | EXISTING UTILITIES NOTE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND/OR CONFLICTS WITH EXISTING OR PROPOSED UTILITIES PRIOR TO PROCEEDING. |
| SEE DETAILS SHEET C8-00 | |
| SEE GENERAL NOTES SHEET C0-10 | |



PHOTOGRAPH - VIEW 1
SCALE: N/A



Know what's below.
Call before you dig.

| # | DATE | CHANGE DESCRIPTION |
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NES SIGNAGE
 1214 CHURCH STREET
 NASHVILLE, TN 37246
 for
NES Nashville Electric Services

Kimley»Horn

214 Oceanside Drive Phone: (615) 564-2701
 Nashville, TN 37204 www.kimley-horn.com

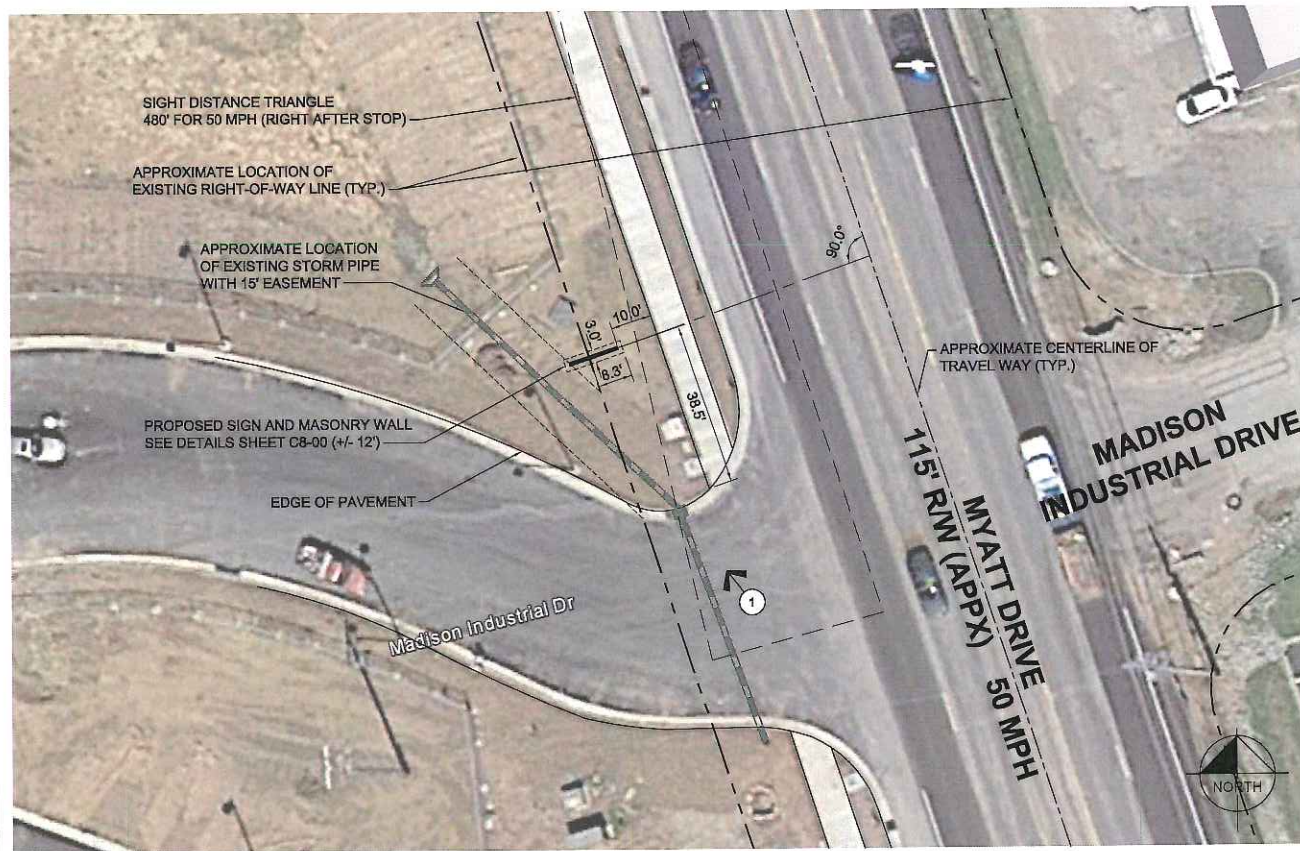
MOODY•NOLAN
 1625 Broadway, 4th floor Phone: (615) 386-9690
 Nashville, TN 37203 www.moodynolan.com

DRAWING TITLE:
**SITE LAYOUT - NES DONELSON
 NEW SIGN**

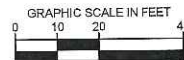
12/15/2016
 DRAWN BY: JAG CHECKED BY: ZJD
 Proj. #16601

C2-40

CD's



1 NES MADISON SITE - NEW SIGN - PLAN VIEW
SCALE: 1" = 20'



| | |
|---|---|
| SITE LOCATION "NES MADISON" 488 MYATT DRIVE NASHVILLE, TN 37115 PARCEL ID : 04300003200 ZONING : IR - INDUSTRIAL RESTRICTIVE | PLAN LEGEND - - - - - PROPERTY / RIGHT-OF-WAY LINE - - - - - EASEMENT / SIGHT TRIANGLE LINE - - - - - EXISTING STORM PIPE ① PHOTOGRAPH VIEW POSITION |
| SIGN INFORMATION SIGN FACE AREA: 120 sf (2 x 60 sf) PROPERTY FRONTAGE: 723' | SITE NOTES 1. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING TO EVALUATE SLOPE AND GRADING OF EACH SITE. CONTRACTOR TO ADJUST MATERIAL QUANTITIES BASED ON EVALUATION. 2. CONTRACTOR TO CALL 811 AND HAVE UTILITIES LOCATED PRIOR TO STAKING. 3. HORIZONTAL LAYOUT SHOWN IS APPROXIMATE AND BASED ON AERIAL PHOTOGRAPHS AND AVAILABLE GIS INFORMATION. CONTRACTOR SHALL STAKE SIGN LOCATION PRIOR TO DISTURBANCE FOR APPROVAL BY OWNER PRIOR TO ORDERING MATERIALS. 4. CONTRACTOR SHALL APPLY PERMANENT LOCAL SOD STABILIZATION TO ALL DISTURBED AREAS. 5. CONTRACTOR RESPONSIBLE FOR MAINTAINING SOD IN HEALTHY CONDITION FOR 12 MONTHS. 6. CONTRACTOR SHALL REPLACE ALL DAMAGED OR REMOVED LANDSCAPE MATERIALS (SUCH AS MULCH, SOD AND PLANTINGS) IN KIND. |
| SIGN NOTES 1. BUILD NEW MASONRY SIGN. 2. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO MASONRY WALL THROUGHOUT PROJECT. 3. CONTRACTOR SHALL CLEAN WALL WITH LIGHT ABRASIVE TO REMOVE DIRT AND GRIME. 4. CONTRACTOR TO PREPARE WALL FOR SIGNAGE INSTALLATION. 5. INSTALL PINNED OFF LETTERS AND SIGNAGE TO WALL PER SHOP DRAWINGS REQUESTED ON SHEET C8-00. 6. CONTRACTOR RESPONSIBLE FOR REPLACING DISTURBED SOIL, MULCH AND PLANT MATERIALS IN KIND. | EXISTING UTILITIES NOTE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND/OR CONFLICTS WITH EXISTING OR PROPOSED UTILITIES PRIOR TO PROCEEDING. |
| SEE DETAILS SHEET C8-00 | |
| SEE GENERAL NOTES SHEET C0-10 | |



PHOTOGRAPH - VIEW 1
SCALE: N/A



Know what's below.
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NES SIGNAGE
 1214 CHURCH STREET
 NASHVILLE, TN 37246
 for **NES** Nashville Electric Services

Kimley»Horn

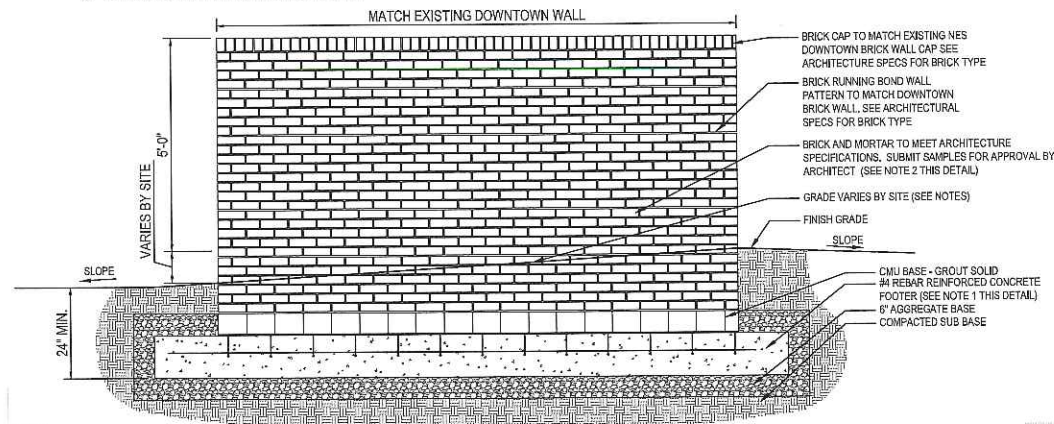
214 Oceanside Drive Nashville, TN 37204 Phone: (615) 554-2701 www.kimley-horn.com

MOODY•NOLAN
 1625 Broadway, 4th floor Nashville, TN 37203 Phone: (615) 385-9890 www.moodynolan.com

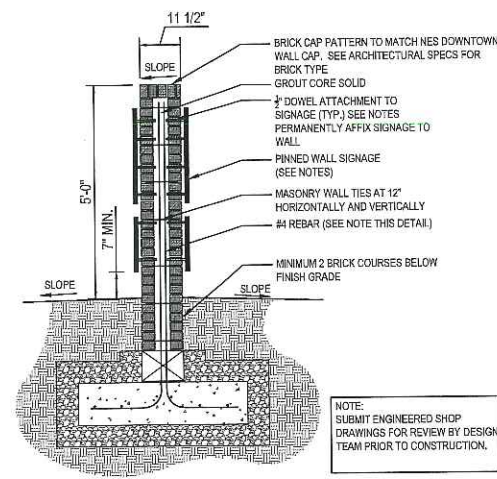
DRAWING TITLE:
SITE LAYOUT - NES MADISON

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| 12/15/2016 |
| DRAWN BY: JAG CHECKED BY: ZJD |
| Proj. #16601 |
| C2-30 |
| CD's |

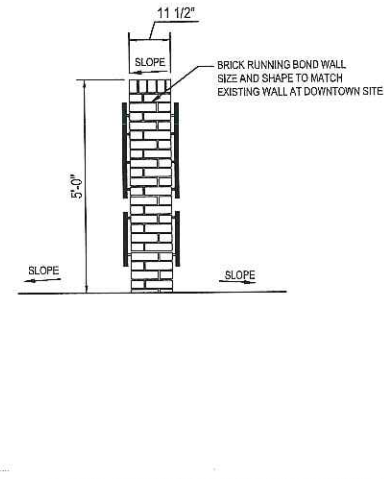
- NOTES:
1. BASIS OF DESIGN FOR BRICK COLOR IS GLEN GERY ASPEN WHITE W804. REFER TO SPEC SECTION 04200 FOR MASONRY.
 2. SUBMIT ENGINEERED SHOP DRAWINGS FOR REVIEW BY DESIGN TEAM PRIOR TO CONSTRUCTION.
 3. PAINT AND PREPARATION APPLICATION FOR DOWNTOWN LOCATION ONLY. SEE PLAN SHEETS AND ARCHITECTURAL SPECS.
 4. BRICK AND MORTAR TO BE SPECIFIED BY ARCHITECT FOR NEW WALL CONSTRUCTION LOCATIONS (WEST SITE, DONELSON, AND MADISON SITES ONLY). SEE PLAN SHEETS.
 5. NEW CONSTRUCTION WALLS SHALL NOT RECEIVE PAINT.



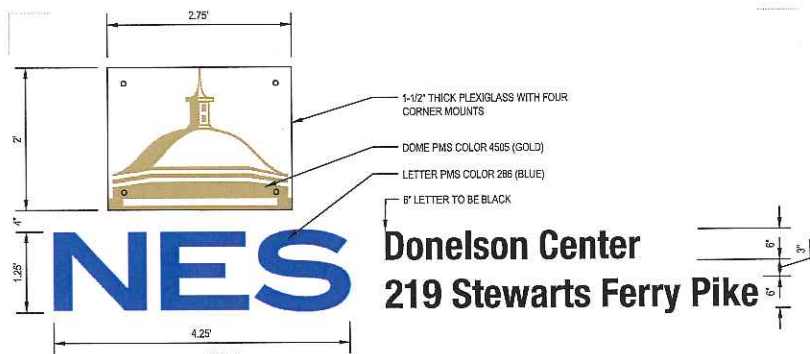
1 NEW FREE STANDING BRICK WALL - FRONT SECTION/ELEVATION
1/2"=1'-0"



2 FREE STANDING BRICK WALL - SECTION
1/2"=1'-0"

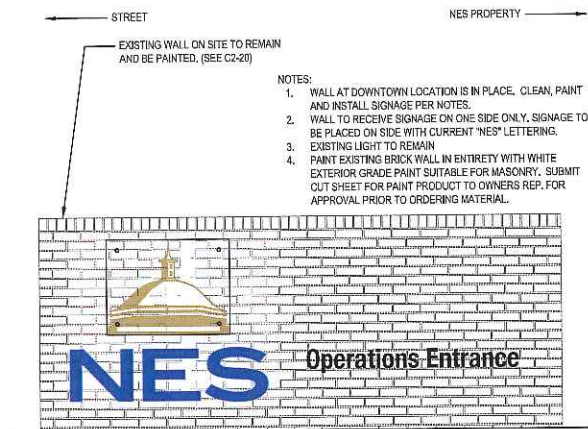


3 FREE STANDING BRICK WALL - ELEV.
1/2"=1'-0"

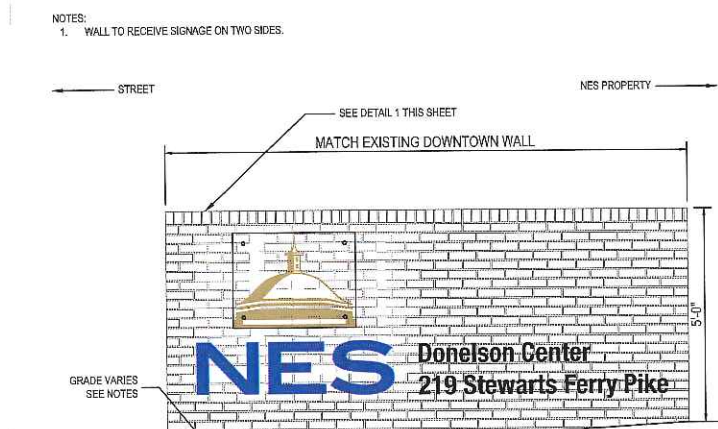


4 NES SIGNAGE - TO BE INSTALLED ON BRICK WALLS
NTS

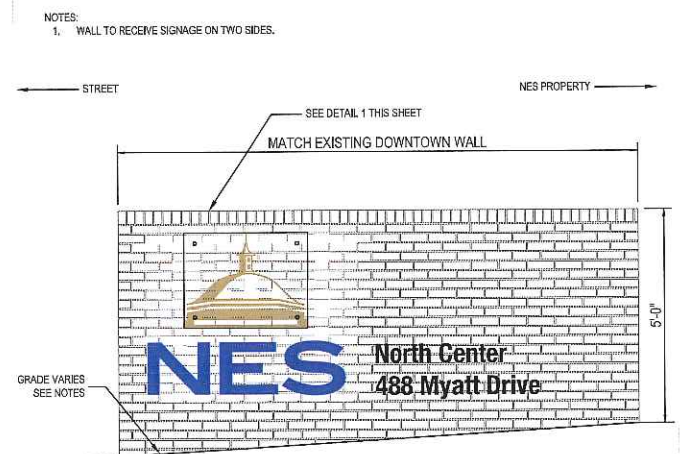
- NOTES:
1. DOME SIGNAGE TO BE PRINTED DIRECTLY ON 1/2" PLEXIGLASS OR APPROVED EQUAL.
 2. LETTERING TO BE 1/2" ALUMINUM OR APPROVED EQUAL.
 3. ATTACHMENT DOWEL TO BE STAINLESS STEEL STUDS.
 4. "NES" LETTERS TO BE MINISTRY FONT.
 5. ALL 6" LETTERS TO BE HELVETICA NEUE.
 6. SEE ELEVATIONS FOR SPACING AND TEXT PER SITE.
 7. SUBMIT SHOP DRAWINGS FOR APPROVAL BY OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.



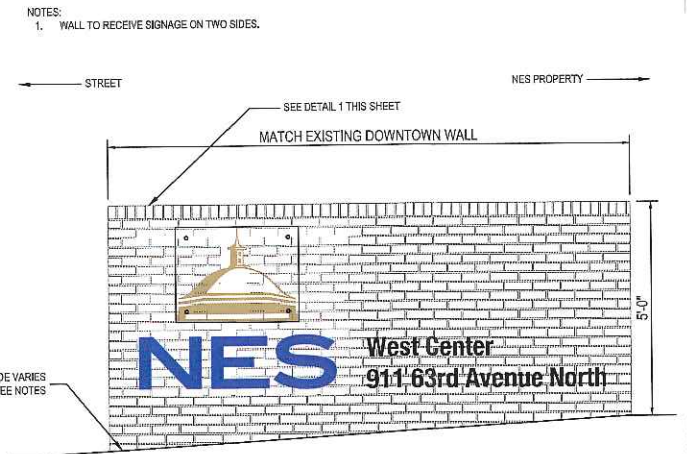
5 NES DOWNTOWN - EXISTING SIGN
1/2"=1'-0"



6 NES DONELSON CENTER - NEW SIGN
1/2"=1'-0"



7 NES MADISON CENTER - NEW SIGN
1/2"=1'-0"



8 NES WEST CENTER - NEW SIGN
1/2"=1'-0"

- NOTES:
1. GRADING VARIES AT EACH SITE. CONTRACTOR TO CONFIRM GRADING AND ENSURE POSITIVE DRAINAGE AWAY FROM SIGN FOR EACH SITE PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL VERIFY AND HOLD BRICK MINIMUM OF 2 COURSES BELOW FINISH GRADE.
 3. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR WALL FOOTER AND REINFORCING FOR APPROVAL BY OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.

NOTES



| # | DATE | CHANGE DESCRIPTION |
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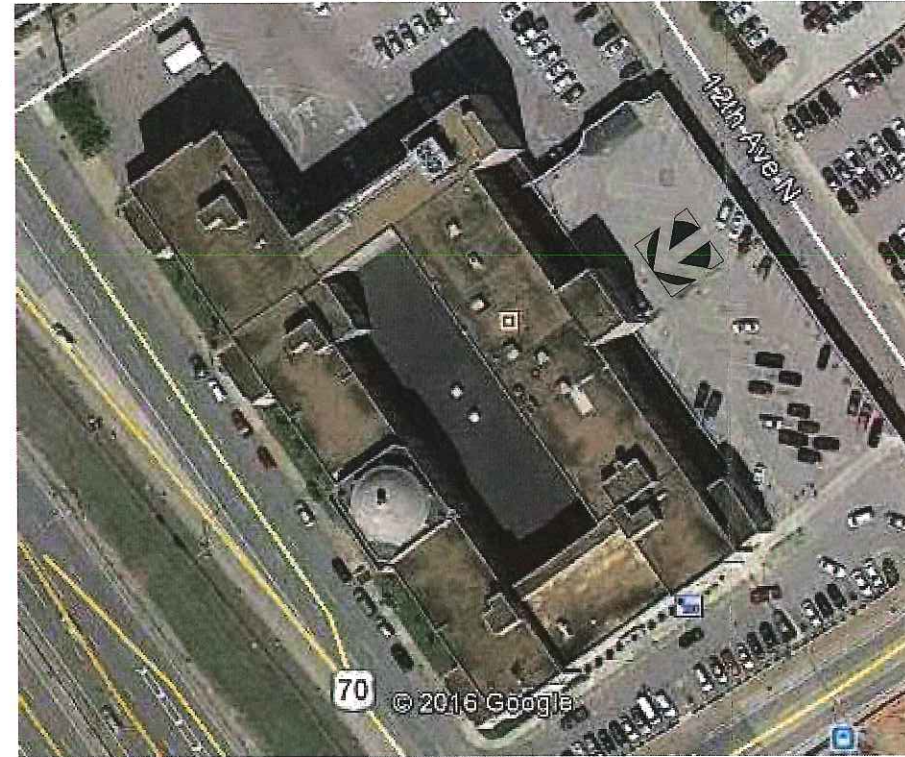
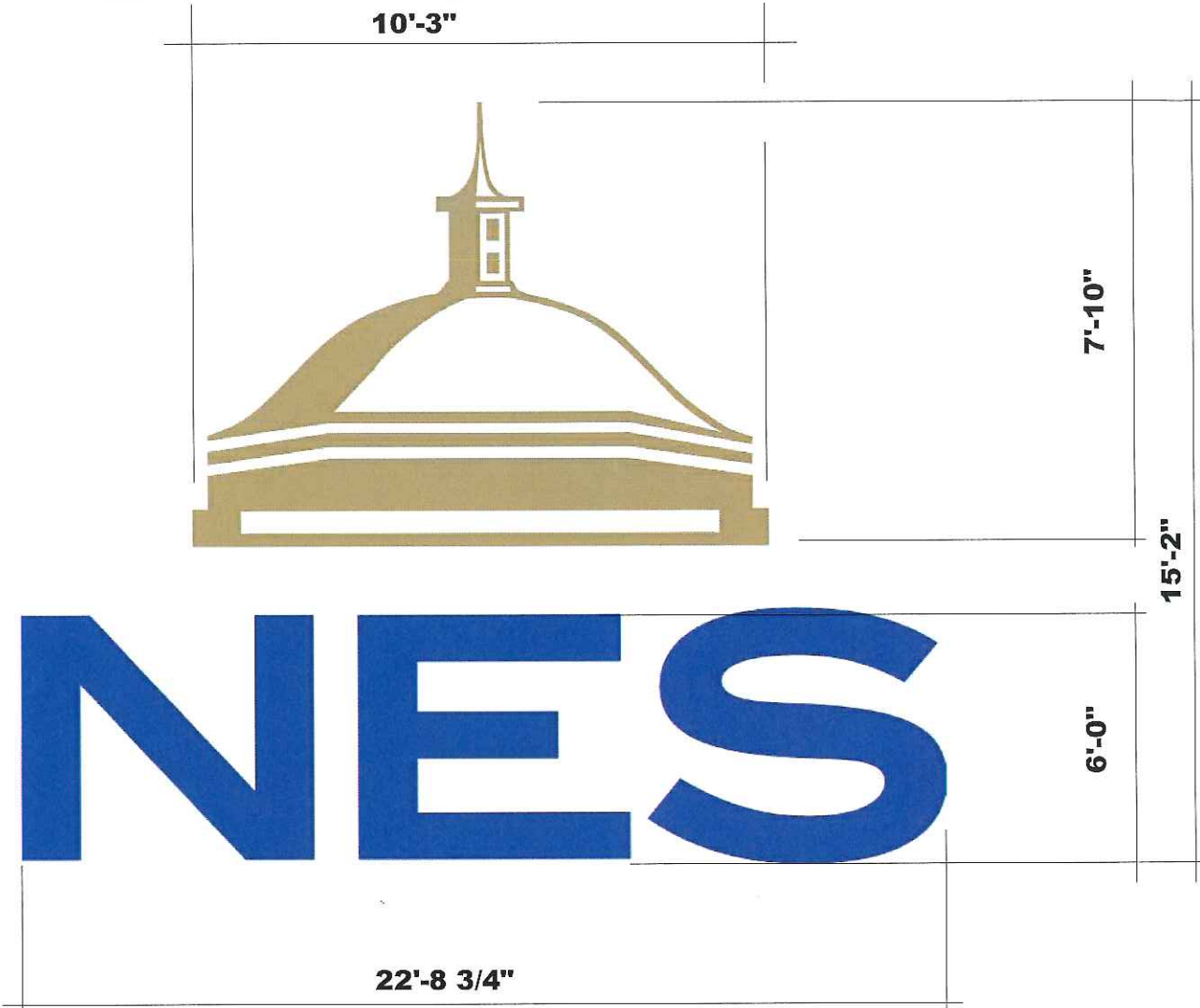
NES SIGNAGE
1214 CHURCH STREET
NASHVILLE, TN 37248
for
NES Nashville Electric Services

Kimley Horn
214 Oceanside Drive
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www.kimley-horn.com

MOODY NOLAN
1625 Broadway, 4th floor
Nashville, TN 37203
Phone: (615) 386-9690
www.moodynolan.com

DRAWING TITLE: **SIGNAGE DETAILS**

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| 12/15/2016 |
| DRAWN BY: JAG CHECKED BY: ZJD |
| Proj. #16601 |
| C8-00 |
| CD's |

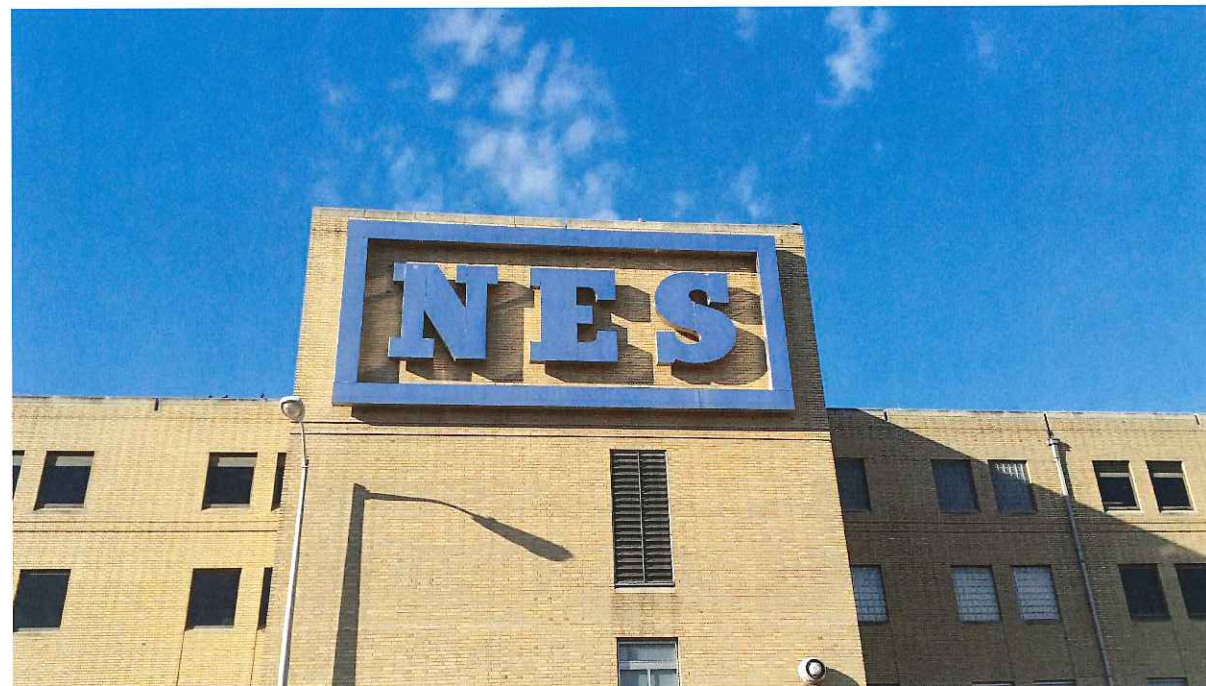


NEW SIGNAGE NOTES:

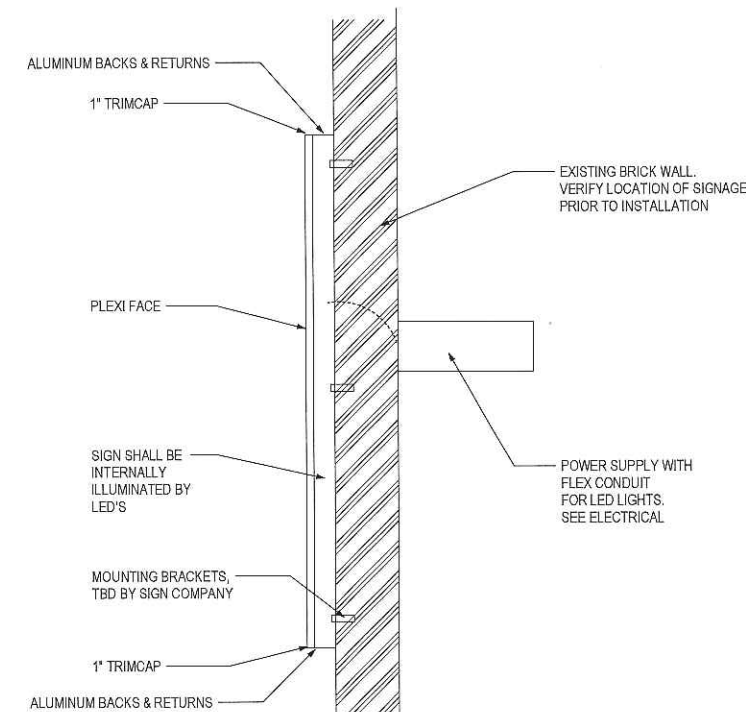
- INDIVIDUAL FLUSH MOUNT CHANNEL SET:
 - RETURNS (5" DEEP) OF .050 PRE-PAINTED BRONZE ALUMINUM
- "NES" FACES OF .177 FLAT WHITE ACRYLIC WITH PMS 286 BLUE VINYL APPLIED FIRST SURFACE WITH 1" BRONZE TRIM-CAP.
- "DOME" FACES OF .177 FLAT WHITE ACRYLIC WITH PMS 4505 GOLD METALLIC VINYL APPLIED FIRST SURFACE.
- "NES" LETTERS TO BE ILLUMINATED WITH BLUE LED LIGHTS, AND DOME TO BE ILLUMINATED WITH WHITE LED LIGHTS.
- LETTERS AND "DOME" TO BE FLUSH MOUNTED TO WALL
- SIGNAGE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRIC CODE AND OTHER APPLICABLE LOCAL CODES THAT INCLUDE GROUNDING AND BONDING OF SIGNAGE
- COLORS:
 - BLUE - PMS 286
 - GOLD - PMS 4505
- SUBMIT SHOP DRAWINGS FOR APPROVAL BY OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION

INSPECT CONCEALED MATERIALS WHEN BRICK IS REMOVED AND INSPECT FOR DAMAGE; REFER TO SECTION 04 00 00 FOR REINFORCING, FLASHING, VENTS, AND CAVITY PROTECTION REQUIREMENTS. REPAIR EXISTING MASONRY WHERE EXISTING SIGN WAS REMOVED AND ANY OTHER HOLES THAT ARE FOUND UNDER SIGN THAT IS REMOVED, TYP.

2 DETAIL NEW SIGNAGE - GRAPHICS & DIMENSIONS
N.T.S.



3 DETAIL EXISTING SIGN TO BE REPLACED
N.T.S.



1 SIGNAGE SECTION
1" = 1'-0"

| # | DATE | CHANGE DESCRIPTION |
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NES SIGNAGE
1214 Church Street
Nashville, TN 37246
for
Nashville Electric Service

MOODY·NOLAN
1625 Broadway 4th Floor
Nashville, TN 37203
Phone: (615) 386-9690
Fax: (615) 388-0528
www.moodynolan.com

DRAWING TITLE:
Main Building Signage

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|------------------|---------------------|
| 12/12/2016 | |
| DRAWN BY: Author | CHECKED BY: Checker |
| Proj. #16601 | |
| A100 | |
| CD's | |

SPECIFICATIONS - DIVISION 26

PART 1 GENERAL

- 1.1 EXISTING EQUIPMENT IS SHOWN FOR REFERENCE PURPOSES AND SHALL REMAIN. EXISTING EQUIPMENT NOT SHOWN SHALL ALSO REMAIN. EXISTING EQUIPMENT TO REMAIN SHALL BE PROTECTED FROM DAMAGE.
- 1.2 WORK SHOWN AS EXISTING CONDITIONS WAS TAKEN FROM A CURSORY FIELD OBSERVATION. SSR IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION OR THE ADEQUACY, SAFETY AND CONFORMANCE TO CURRENT PREVAILING CODES OF ANY WORK SHOWN AS EXISTING ON THESE DOCUMENTS.
- 1.3 IT IS THE INTENT OF THESE DOCUMENTS TO RESULT IN A COMPLETE ELECTRICAL INSTALLATION IN COMPLETE ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES. DRAWINGS ARE DIAGRAMMATIC IN CHARACTER AND DO NOT NECESSARILY INDICATE EVERY REQUIRED JUNCTION BOX, PULL BOX, ELL, ETC. ITEMS NOT SPECIFICALLY MENTIONED IN THE SPECIFICATION OR NOTED ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.
- 1.4 AS A MINIMUM, EXECUTE, TEST, AND INSPECT WORK IN ACCORDANCE WITH UNDERWRITERS AND STATE AND LOCAL CODES, RULES, AND REGULATIONS APPLICABLE TO THE TRADE AFFECTED. IF THE PLANS OR SPECIFICATIONS CALL FOR REQUIREMENTS THAT EXCEED THESE RULES AND REGULATIONS, THE GREATER REQUIREMENT SHALL BE FOLLOWED. INCLUDED ARE THE REQUIREMENTS OF IBC, NFPA, NEC, OSHA, NEMA, ANSI, UL, EIA/TIA.
- 1.5 DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WHATEVER IS CALLED FOR IN EITHER IS BINDING AS THOUGH CALLED FOR IN BOTH. THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
- 1.6 IF CONFLICTS ARE DISCOVERED IN CONTRACT DOCUMENTS AS WORK PROGRESSES, A SET OF PRINTS MARKED WITH RED PENCIL SHOWING RECOMMENDED MODIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- 1.7 IN THE EVENT THAT DISCREPANCIES EXIST OR REQUIRED ITEMS OR DETAILS HAVE BEEN OMITTED, NOTIFY THE ARCHITECT IN WRITING OF SUCH DISCREPANCY OR OMISSION AT LEAST THREE DAYS PRIOR TO BID DATE. FAILURE TO DO SO SHALL BE CONSTRUED AS WILLINGNESS TO SUPPLY NECESSARY MATERIALS AND LABOR REQUIRED FOR THE PROPER COMPLETION OF THIS WORK. FOR DISCREPANCIES WHICH ARE NOT REPORTED BY CONTRACTOR THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- 1.8 THE TERM "PROVIDE" SHALL MEAN FURNISH, INSTALL, AND CONNECT ITEMS OR SYSTEMS IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
- 1.9 INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS UNLESS LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- 1.10 PROVIDE APPURTENANCES AND CONSUMABLES AS REQUIRED.
- 1.11 WORK SHALL CONFORM TO BASE BUILDING EXISTING CONDITIONS EXCEPT AS AMENDED BY THESE SPECIFICATIONS. CONTRACTOR SHALL VERIFY EXISTING CIRCUITS PRIOR TO STARTING WORK.
- 1.12 COMPLY WITH LATEST EDITION OF NATIONAL ELECTRICAL CODE, APPLICABLE STATE AND LOCAL CODES, ORDINANCES AND OSHA REQUIREMENTS.
- 1.13 WHERE A CONFLICT EXISTS BETWEEN ANY PREVAILING CODES AND WORK INDICATED ON THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- 1.14 PAY FOR ALL ELECTRICAL PERMITS, LICENSES AND CONSTRUCTION FEES.
- 1.15 EXAMINE SITE AND PREMISES PRIOR TO SUBMISSION OF BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR EXTRA EXPENSE INCURRED DUE TO FAILURE TO EXAMINE EXISTING SITE CONDITIONS.

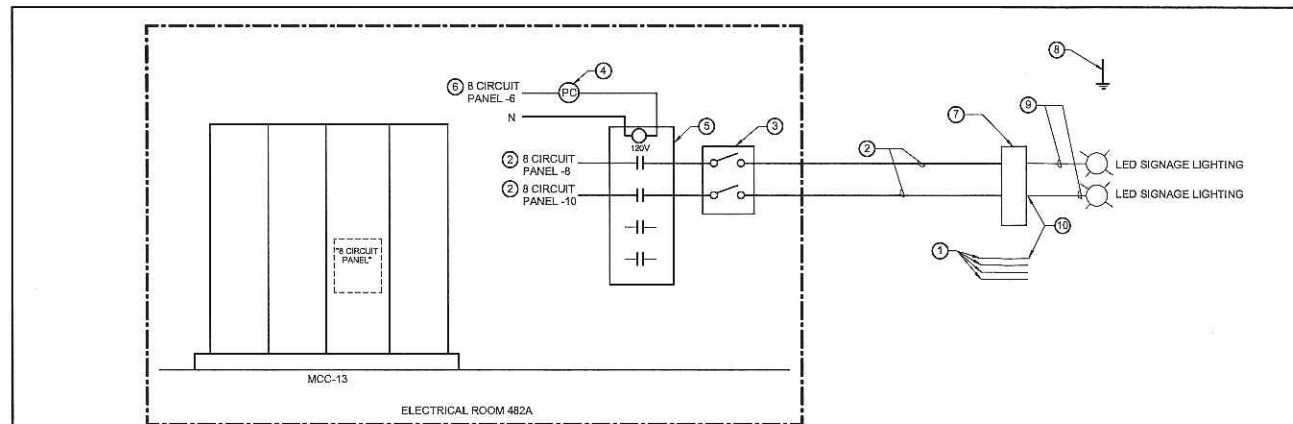
- 1.16 SCHEDULE SERVICE INTERRUPTIONS IN WRITING WITH OWNER ONE (1) WEEK IN ADVANCE.
- 1.17 COORDINATE WORK AND POWER OUTAGES WITH BUILDING MANAGEMENT, AFFECTED TENANTS, AND OTHER TRADES.
- 1.18 EQUIPMENT REMOVED IS THE PROPERTY OF THE OWNER AND SHALL BE RETURNED TO THE OWNER FOR DISPOSITION. SALVAGE ALL REMOVED EQUIPMENT FOR OWNER AND STORE IN OWNER DESIGNATED LOCATION. EQUIPMENT NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- 1.19 ALL MATERIALS SHALL BE NEW AND BEAR UL LABEL UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 1.20 REMOVE ALL REFUSE AND WASTE MATERIAL FROM BUILDING DAILY.
- 1.21 LEFT OVER OR REMOVED EQUIPMENT REQUIRING HAZARDOUS WASTE REMOVAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UPON COMPLETION OF THE CONSTRUCTION PROJECT AND DISPOSED OF PER EPA REQUIREMENTS.
- 1.22 GUARANTEE ELECTRICAL INSTALLATION AND ALL WORK UNDER THIS DIVISION (EXCLUDING LAMPS) FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER AGAINST ALL EVIDENCE OF IMPERFECT WORKMANSHIP, FAILURE OR MALFUNCTION OF MATERIALS AND EQUIPMENT. REPLACE WORK FOUND DEFECTIVE WITHIN THIS PERIOD PROMPTLY AT NO COST TO OWNER.

PART 2 PRODUCTS

- 2.1 WIRE AND CABLE SHALL BE MINIMUM NUMBER 12 AWG COPPER WITH THWN OR THHN INSULATION. NUMBER 10 AWG AND SMALLER WIRE EXCEPT FOR MOTOR CIRCUITS SHALL BE SOLID. MOTOR CONNECTIONS SHALL BE WITH STRANDED CONDUCTORS. WIRE AND CABLE SHALL BE AS MANUFACTURED BY ANACONDA, PHELPS-DODGE, PIRELLI, SOUTHWIRE, OR TRIANGLE.
- 2.2 ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT UNLESS NOTED.
- 2.3 INTERIOR CONDUIT SHALL BE ELECTRICAL METALLIC TUBING WITH SET SCREW FITTINGS.
- 2.4 CONDUIT SUBJECT TO VIBRATION OR WHERE USED FOR MECHANICAL EQUIPMENT CONNECTIONS SHALL BE PVC JACKETED FLEXIBLE METAL CONDUIT.
- 2.5 OUTLET AND JUNCTION BOXES SHALL BE OF PRESSED STEEL AND AS MANUFACTURED BY STEEL CITY, APPLETON, OR RACO. OUTLET BOXES SHALL BE DOUBLE GANG BOX WITH SINGLE OR DOUBLE GANG TRIM RINGS AS REQUIRED.
- 2.6 MOTOR AND CIRCUIT DISCONNECTS SHALL BE HEAVY DUTY, FUSIBLE OR NON-FUSIBLE AS INDICATED AND AS MANUFACTURED BY SQUIARE D, GENERAL ELECTRIC, EATON CUTLER-HAMMER, OR SIEMENS.
- 2.7 EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDER AND BRANCH CIRCUITS CONDUCTORS. GROUND WIRES SHALL BE COPPER.
- 2.8 A SEPARATE NEUTRAL CONDUCTOR SHALL BE INSTALLED FOR EACH BRANCH CIRCUIT UNLESS OTHERWISE INDICATED.
- 2.9 CIRCUIT BREAKERS SHALL BE THERMAL-MAGNETIC, QUICK-MAKE, QUICK-BREAK, TRIP-FREE AND TRIP INDICATING. MULTI-POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. CIRCUIT BREAKERS SHALL BE OF SAME MANUFACTURER AND WITHSTAND RATING AS PANELBOARD OR DISCONNECTING DEVICE.

PART 3 EXECUTION

- 3.1 BRANCH CIRCUITS WHOSE LENGTH FROM PANELBOARD TO FIRST OUTLET EXCEEDS 75 FEET FOR 120 VOLT CIRCUITS SHALL BE #10.
- 3.2 PATCH AND FIRE SEAL ALL PENETRATIONS.
- 3.3 COORDINATE ALL INTERCONNECTIONS TO AND BETWEEN NEW AND EXISTING SYSTEMS INCLUDING, BUT NOT LIMITED TO: POWER.
- 3.4 COORDINATE LOCATIONS OF DEVICES PRIOR TO ROUGH-IN.
- 3.5 REMOVE CONDUCTORS AND CONDUIT BACK TO SOURCE FOR EQUIPMENT WHICH IS TO BE REMOVED UNLESS EXISTING WIRING AND CONDUIT CAN BE REMOVED TO ACCESSIBLE JUNCTION BOX AT CONTRACTORS OPTION TO FEED NEW EQUIPMENT. MAINTAIN CIRCUIT CONTINUITY OF REMAINING DEVICES AND EQUIPMENT. CONTRACTOR IS TO PHASE WORK TO MAINTAIN CONTINUITY OF CIRCUITS IN AREAS WHICH ARE IN ANOTHER PHASE.
- 3.6 EXTEND EXISTING CIRCUITRY AND RECONNECT TO RELOCATED ITEMS UNLESS OTHERWISE NOTED.
- 3.7 CONDUIT SHALL BE CONCEALED WHERE LOCATED IN FINISHED AREAS, OR ON EXTERIOR OF BUILDING. CONDUITS IN UNFINISHED OR UTILITY AREAS MAY BE EXPOSED.
- 3.8 COORDINATE ROUTING OF EXPOSED CONDUITS PRIOR TO INSTALLATION. CONDUITS SHALL BE ROUTED PERPENDICULAR OR PARALLEL TO BUILDING LINES.



1 ELECTRICAL SINGLE-LINE DIAGRAM
NOT TO SCALE

KEYED NOTES

- 1 CONTRACTOR SHALL REMOVE EXISTING CONDUCTORS SERVING EXISTING SIGNAGE LIGHTING. TYPICAL FOUR (4) CIRCUITS. CONDUITS LOCATED INSIDE THE BUILDING SHALL REMAIN. EXTERIOR CONDUITS SHALL BE REMOVED.
- 2 CONTRACTOR SHALL FURNISH AND INSTALL #12, #12N, #12G, 34°C. FROM EXISTING 20" CIRCUIT BREAKER IN "8 CIRCUIT PANEL" LOCATED IN MCC 13. INTERCEPT EXISTING CONDUIT SERVING SIGNAGE AND TERMINATE AT CONTRACTOR. PROVIDE NEW 3/4" CONDUIT FROM CONTRACTOR ENCLOSURE TO SAFETY SWITCH. PROVIDE NEW CONDUIT FROM SAFETY SWITCH TO EXISTING CONDUIT TO SERVE NEW SIGNAGE LIGHTING.
- 3 CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) 30A, 240V, 2P, 3R SAFETY SWITCH, LOCKABLE IN THE OPEN POSITION, TO PROVIDE DISCONNECTING MEANS FOR NEW SIGNAGE LIGHTING CIRCUITS. MOUNT SWITCH ADJACENT TO ENCLOSED LIGHTING CONTRACTOR PER NEC 800.6 (A) (2).
- 4 CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) 120V, PHOTOCELL, TORK 2021 OR EQUAL. MOUNT PHOTOCELL ON ROOF AWAY FROM ARTIFICIAL LIGHTING SOURCES.
- 5 CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) 120V, 4 POLE MECHANICALLY HELD LIGHTING CONTRACTOR IN NEMA 1 ENCLOSURE. INSTALL ADJACENT TO MCC 13. CONTRACTOR AND ENCLOSURE SHALL BE SQUARE D # 89D3XG40V02 OR EQUAL.
- 6 CONTRACTOR SHALL FURNISH AND INSTALL #12, #12N, #12G, 34°C. TO DESIGNATED CIRCUIT FOR CONTRACTOR COIL. ROUTE CIRCUIT THROUGH PHOTOCELL.
- 7 CONTRACTOR SHALL TERMINATE CIRCUITS AT SIGNAGE VENDOR PROVIDED POWER SUPPLY. COORDINATE WITH SIGNAGE VENDOR FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN. BOND METAL SIGNAGE PARTS AND EQUIPMENT WITH EQUIPMENT GROUNDING CONDUCTOR. SIGNAGE VENDOR SHALL PROVIDE LIQUIDTITE FLEX CONDUIT THROUGH WALL FOR VENDOR PROVIDED LOW VOLTAGE WIRING.
- 8 CONTRACTOR SHALL DISCONNECT EXISTING LIGHTNING PROTECTION CONDUCTORS FROM EXISTING SIGNAGE AND RECONNECT TO NEW SIGNAGE. CONNECTIONS SHALL BE MADE BY A CERTIFIED LIGHTNING PROTECTION CONTRACTOR TO ENSURE RECONNECTION COMPLIES WITH NFPA 780 STANDARDS.
- 9 SIGNAGE VENDOR SHALL PROVIDE LIQUIDTITE FLEX CONDUIT THROUGH WALL FOR VENDOR PROVIDED LOW VOLTAGE WIRING FROM POWER SUPPLY TO LED SIGNAGE.
- 10 CONTRACTOR SHALL SEAL AROUND CONDUIT IN WALL PENETRATIONS. WHERE CONDUITS HAVE BEEN REMOVED, SEAL OPENINGS WITH GROUT TO FORM WATERPROOF BARRIER.

| # | DATE | CHANGE DESCRIPTION |
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