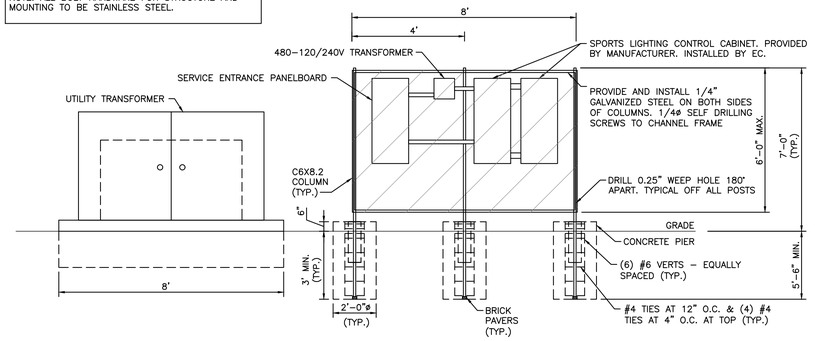
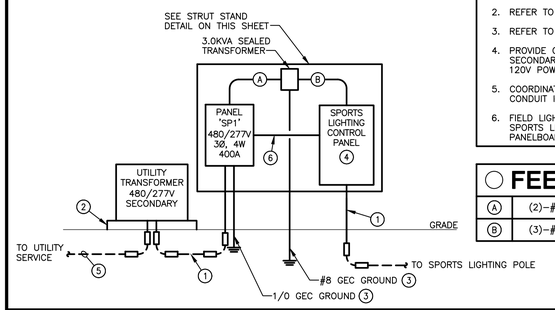
PLOTTED: Thursday, April 26, 2018 @ 08:14AM

NOTE: ALL BOLT HARDWARE FOR STRUCTURE AND MOUNTING TO BE STAINLESS STEEL.



1 NO SCALE — **TYPICAL ELECTRICAL STRUT STAND DETAIL**



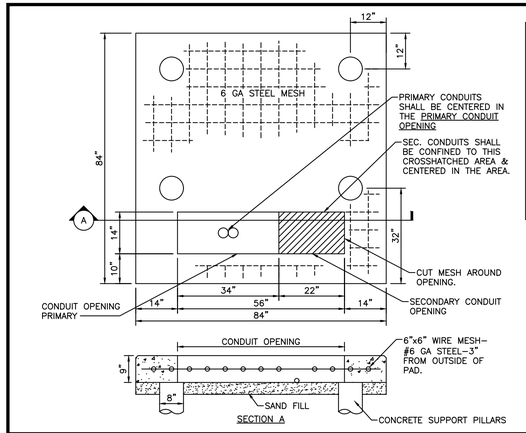
KEYED NOTES

1. REFER TO ELECTRICAL PLAN SHEETS FOR CONDUIT AND CONDUCTOR INFORMATION.
2. REFER TO DETAIL 4 ON THIS SHEET FOR PAD DETAIL.
3. REFER TO SPECIFICATIONS FOR GROUND ROD INFORMATION.
4. PROVIDE OVERCURRENT PROTECTION FOR TRANSFORMER SECONDARY PER NEC IN SPORTS LIGHTING CONTROL PANEL. 120V POWER IS FOR SPORTS LIGHTING CONTROL POWER.
5. COORDINATE PRIMARY CONDUCTOR INSTALLATION WITH WESTAR. CONDUIT IS EXISTING AND CONDUCTORS BY WESTAR.
6. FIELD LIGHTING POWER CIRCUITS FROM PANELBOARD TO SPORTS LIGHTING CONTROL PANEL. SEE PLANS AND PANELBOARD SCHEDULES FOR QUANTITY AND SIZING.

○ FEEDER SCHEDULE

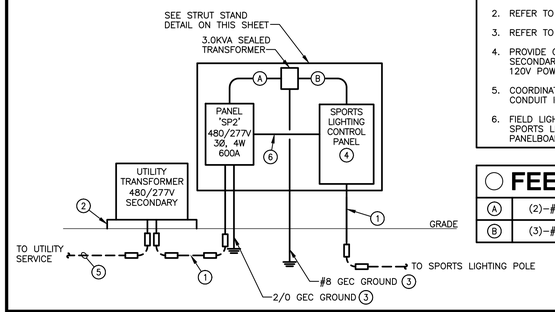
A	(2)-#12, (1)-#12 GND IN 1"C.
B	(3)-#10, (1)-#12 GND IN 1"C.

2 NO SCALE — **PANEL 'SP1' ONE-LINE DIAGRAM**



NOTES:
1. PAD LOCATION SHALL BE APPROVED BY WESTAR ENERGY.
2. TRANSFORMER SHALL BE INSTALLED NEAR THE CUSTOMER'S SERVICE ENTRANCE.
3. IF TRANSFORMER PAD IS INSTALLED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE INSTALLATION SHALL BE PROTECTED WITH A PIPE-RAIL GUARD.
4. CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
5. CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
6. TOP OF THE TRANSFORMER PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. CORNERS AND EDGES SHALL BE ROUNDED OR BEVELED.
7. CONDUIT OPENINGS SHALL BE FREE AND CLEAR OF CONCRETE.
8. TOPS OF THE CONDUITS SHALL BE FLUSH WITH THE TOP OF THE CONCRETE PAD.
9. PILLARS ARE FORMED BY AUGERING AN 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THAT THE PAD CAN BE LEVELED AT A LATER TIME IF NECESSARY.
10. THIS DETAIL IS SHOWN FOR REFERENCE. COORDINATE WITH STRUCTURAL.

4 NO SCALE — **0 - 500 KVA TRANSFORMER PAD**



KEYED NOTES

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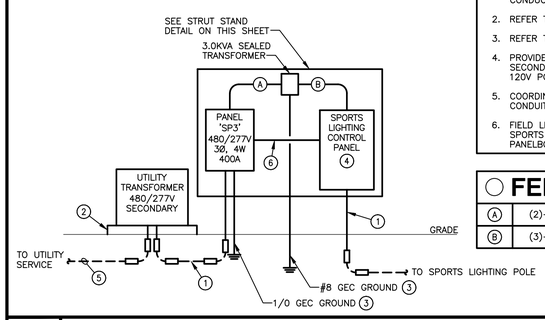
○ FEEDER SCHEDULE

A	(2)-#12, (1)-#12 GND IN 1"C.
B	(3)-#10, (1)-#12 GND IN 1"C.

3 NO SCALE — **PANEL 'SP2' ONE-LINE DIAGRAM**



KEYED NOTES

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2. REFER TO DETAIL 4 ON THIS SHEET FOR PAD DETAIL.
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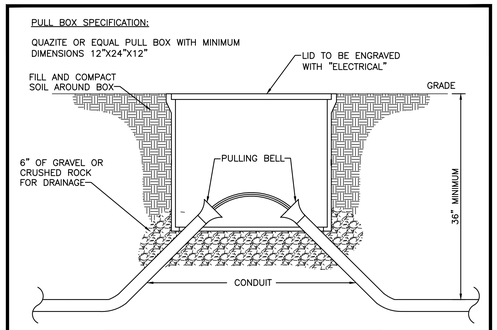
○ FEEDER SCHEDULE

A	(2)-#12, (1)-#12 GND IN 1"C.
B	(3)-#10, (1)-#12 GND IN 1"C.

5 NO SCALE — **PANEL 'SP3' ONE-LINE DIAGRAM**

PULL BOX SPECIFICATION:

QUAZITE OR EQUAL PULL BOX WITH MINIMUM DIMENSIONS 12"X24"X12"



NOTE:

PROVIDE PULL BOXES ON SITE WHERE REQUIRED BY NEC. DRAWINGS DO NOT INDICATE ALL REQUIRED PULL BOXES.

6 NO SCALE — **PULL BOX DETAIL**

MKEC
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PHASE 5 - SPORTS FIELD LIGHTING

STRYKER SPORTS

WICHITA, KANSAS

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ELECTRICAL DETAILS

PROJECT NO.	1701010567
DATE	04-25-18
SCALE	N.T.S.

DESIGNED	DRAWN	CHECKED
CNG	ECW	JRBW

NO.	REVISION	DATE
0	ISSUED FOR CONST.	04-25-18

SHEET NO.

06

\\ICTNAS08\VOL7\PROJECTS\2017\1701010567_COW_STRYKER_ 1701567 CAD\SHTS\10 BLDG MEP\SPORTS LIGHTING PACKAGE\1701567-08-4201 ELECTRICAL DETAILS.DWG