PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF WIRELESS ACCESS POINTS AND THE ASSOCIATED INFRASTRUCTURE AT THE STADIUM AND ADJACENT SOCCER FIELD.

OWNER
MERCED COLLEGE
3600 M STREET
MERCED, CA 95348
(209) 384-6154

CONTACT: WILL RESENDES
ELECTRICAL ENGINEER
TETER, LLP
7535 N. PALM AVE., SUITE 201
FRESNO, CA  93711
(559) 437-0887

GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 AND 2 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

2. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335, PART 1, AND APPROVED T & I SHEET.

3. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-335, PART I, AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RETEST MAY BE BACK CHARGED TO THE CONTRACTOR.

4. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART I.

5. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE SCHOOL BUILDING IN ACCORDANCE WITH TITLE 24 C.C.R. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, C.C.R., A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED THE DISTRICT BEFORE PROCEEDING WITH THE WORK.

6. SUBSTITUTIONS AND REQUESTS FOR INFORMATION AFFECTING STRUCTURAL SAFETY, FIRE AND LIFE SAFETY OR ACCESS COMPLIANCE SHALL BE APPROVED BY DSA PRIOR TO FABRICATION OR USE.

7. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
   • ARCHITECT OR ENGINEER OF RECORD
   • STRUCTURAL ENGINEER (WHEN APPLICABLE)
   • DELEGATED PROFESSIONAL ENGINEER

8. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER’S RECOMMENDATIONS.
WIRELESS ACCESS POINT SUMMARY - VISITOR

<table>
<thead>
<tr>
<th>Signal Plan</th>
<th>Number of Signal Points</th>
<th>Type of Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visitor's Bleachers</td>
<td>10</td>
<td>Access Point</td>
</tr>
</tbody>
</table>

**Wireless Access Point Deployment - Stadium and Soccer Field**

**Cabling Notes**

A. CABLES SHALL BE CONCEALED IN CONDUIT.

B. CABLES SHALL BE SUPPORTED IN CONDUIT OR SUPPORTED ON CABLE TRAY WHERE CABLES ARE INSTALLED, 1-1/2" OR LARGER.

C. TRACTION COMMUNICATION CABLES SHALL BE TERMINATED WITH REGULAR CONNECTORS AND TERMINAL BLOCKS AT THE TRANSMISSION ENCLOSURE.

**Pathway Notes**

A. CONTRACTOR TO OBSERVE EACH SITE AND ENSURE CONDITIONS THAT ARE NOT INFRINGING ON THE MERCED COLLEGE, MERCED, CA RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THIS DOCUMENT, THE PRIOR WRITTEN AUTHORIZATION.

B. ALL NEW CONDUIT TO BE 1-1/2", U.O.N.

C. ALL SURFACE CONDUIT SHALL BE SUPPORTED WITH 2-HOLE STRAPS OR UNISTRUT CLAMPS.

D. PROVIDE THREE "FO" CABLES IN (E) U.G. CONDUIT.

E. PROVIDE THREE "FO" CABLES IN (E) IDF.

F. PROVIDE WEATHERPROOF GFCI RECEPTACLE WITHIN IDF ENCLOSURE.

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KEYED DRAWING NOTES

1. CONTRACTOR TO OBSERVE EACH SITE AND EVALUATE CONDITIONS.
2. CABLES SHALL BE CONCEALED WITHIN CONDUIT.
3. CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS.
4. ALL NEW PENETRATIONS THROUGH WALL, CEILINGS, FLOORS, AND SURFACE MOUNTING PRIOR TO BIDDING.
5. SURFACE CONDUIT SHALL BE SUPPORTED WITH 2-HOLE STRAPS AND/OR ROOFS SHALL BE SEALED, FINISHED, AND PAINTED.
6. PROTECTIONS OF EXISTING TELECOM CABLING, POWER SOURCES WHERE CABLES ARE INSTALLED, 1-1/2" OR LARGER.
7. ALL EXISTING TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE.
8. SPACE CONDUITS AND PANELS TO ALLOW FOR TERMINATION AS NECESSARY.
9. FUSION SPLICE LC CONNECTOR PIGTAIL.
10. PROVIDE WEATHERPROOF GFCI RECEPTACLE WITHIN NETWORK SWITCH ENCLOSURE.
11. PROVIDE ONE 'FO' CABLES IN NEW U.G. CONDUIT.
12. PROVIDE TWO 'FO' CABLES IN NEW U.G. CONDUIT.

CABLING NOTES

A. CABLES SHALL BE CONCEALED WITHIN CONDUIT.
B. CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS.
C. TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE.

PATHWAY NOTES

A. CONTRACTOR TO OBSERVE EACH SITE AND EVALUATE CONDITIONS.
B. ALL EXISTING TELECOMMUNICATION CABLING, POWER SOURCES WHERE CABLES ARE INSTALLED, 1-1/2" OR LARGER.
C. SPACE CONDUITS AND PANELS TO ALLOW FOR TERMINATION AS NECESSARY.
D. PAINT ALL EXPOSED CONDUITS AND PULLBOXES TO MATCH ADJACENT FINISHES.
E. ALL CONDUIT TO BE 1-1/2" OR LARGER.

WIRELESS ACCESS POINT SUMMARY - SOCCER FIELD

<table>
<thead>
<tr>
<th>ACCESS POINT</th>
<th>MOUNTING LOCATION</th>
<th>MANUFACT.</th>
<th>MODEL</th>
<th>MOUNT</th>
<th>TOTAL</th>
<th>POE WATT.</th>
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WIRELESS ACCESS POINT DEPLOYMENT - STADIUM AND SOCCER FIELD

<table>
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<tr>
<th>SIGNAL PLAN</th>
<th>SOCCER FIELD</th>
<th>DRAWING</th>
<th>E430</th>
<th>03/08/22</th>
<th>1/2&quot; = 30' 0&quot;</th>
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SIGNAL PLAN - SOCCER FIELD
GENERAL NOTES (TYPICAL)

1. All permanent equipment and components that are permanently attached to the building facility, such as electrical, used on system.

2. Equipment enjoyed as equipment to improve the durability and performance of equipment reasonably to be expected to assist in maintaining the components.

3. The following equipment components shall be protected by attachment to the structural elements in the building. Damage or deterioration of equipment shall not exceed the requirements for equipment attachments.

4. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof shall be anchored or braced to meet the force and displacements prescribed in ASCE 7-16 section 13.3 as defined in ASCE 7-16 section 13.6.7, 13.6.6, 13.6.5, and 2019 CBC, sections 1617A.1.23, 1617A.1.24, 1617A.1.25, and 1617A.1.26.

ELECTRICAL SYMBOL LEGEND

1. Electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 section 13.3 as defined in ASCE 7-16 section 13.6.7, 13.6.6, 13.6.5, and 2019 CBC, sections 1617A.1.23, 1617A.1.24, 1617A.1.25, and 1617A.1.26.

2. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof shall be anchored or braced to meet the force and displacements prescribed in ASCE 7-16 section 13.3 as defined in ASCE 7-16 section 13.6.7, 13.6.6, 13.6.5, and 2019 CBC, sections 1617A.1.23, 1617A.1.24, 1617A.1.25, and 1617A.1.26.

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