

EXISTING UNDERGROUND ELECTRICAL UTILITIES NOTES

1. IN ALL AREAS WHERE EXCAVATION OCCURS, EITHER FOR DEMOLITION OR NEW CONSTRUCTIONS, THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE UNDERGROUND ELECTRICAL UTILITIES (POWER, SIGNAL, FIRE ALARM, ETC.) PRIOR TO ANY EXCAVATION.

2. THE DEPTH OF THE EXISTING UTILITY SHALL BE NOTED AND COORDINATED WITH THE NEW EXCAVATION/CONSTRUCTION TO DETERMINE IF THE DEPTH OF THE UTILITY WILL REMAIN IN COMPLIANCE WITH THE C.E.C.

3. THE CONTRACTOR SHALL NOTIFY THE DISTRICT, ARCHITECT, AND ENGINEER IF THE EXISTING UTILITY BECOMES A CONFLICT. NO EXCAVATION SHALL TAKE PLACE UNTIL AN ACCEPTABLE RESOLUTION HAS BEEN DETERMINED AND A COURSE OF ACTION DECIDED.

ENERGY MANAGEMENT NOTE

EMS IS AUTOMATED LOGIC (ALC) FOR BOTH HVAC AND LIGHTING CONTROLS (EXCEPT FOR FIELD LIGHTING).

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 LBS. ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE BEEN POSITIVELY ATTACHED. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 LBS. AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 LBS. OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 LBS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THESE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8 AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACTA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MP□MD□P□□□□ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP□MD□P□□□□ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OMP #) #_____

MP□MD□P□□□□ - OPTION 3: SHALL COMPLY WITH THE SMACTA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTNERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACTA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTED AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND THE CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

GENERAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH THE 2019 EDITION OF THE CEC AND WHERE APPLICABLE AS AMENDED BY THE LOCAL ORDINANCES AND CODES OF GOVERNING MUNICIPALITIES.

2. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DOCUMENTS.

3. VERIFY EXACT LOCATION, SIZE, AND EXTENT OF ALL EXISTING UTILITIES, OBSTRUCTIONS AND/OR OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE OWNER'S DIRECTION AT THE CONTRACTOR'S EXPENSE.

4. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISH FITTINGS REQUIRED TO MEET SUCH CONDITIONS AT NO COST TO THE OWNER.

5. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED TIGHT AGAINST AND PARALLEL TO BEAMS AND WALLS.

6. ALL EXPOSED CONDUIT RUNS WITHIN THE BUILDING SHALL BE INSTALLED TIGHT AGAINST BOTTOM OF BEAMS UNLESS OTHERWISE NOTED.

7. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT WITHOUT EXTENSIVE USE OF FLEXIBLE CONDUIT.

8. CONDUITS WHICH TERMINATE AT SWITCHBOARD OR PANELBOARDS SHALL BE LOCATED FOR PROPER ALIGNMENT WITHOUT THE NEED FOR AUXILIARY CUTTERS, WIREWAYS OR PANEL EXTENSIONS.

9. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ARCHITECT/ENGINEER MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

10. ALL SURFACE MOUNTED PANELS AND PANELBOARDS SHALL BE MOUNTED TO MAINTAIN A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.

11. ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP OF THE HIGHEST POSSIBLE CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-6".

12. WHERE PANEL EXTENSIONS ARE REQUIRED TO EXTEND WIRING FROM EXISTING UNDERGROUND CONDUITS, THEY SHALL BE U.L. LISTED AS PANELBOARDS AND SHALL BE FABRICATED BY THE PANELBOARD MANUFACTURER.

13. NAMEPLATES SHALL CONFORM STRICTLY TO INSTRUCTIONS AS SPECIFIED IN THE ELECTRICAL SPECIFICATIONS AND ON THE DRAWINGS. THE FOLLOWING SHALL HAVE NAMEPLATES:

a. ALL MAIN BREAKERS

b. ALL FEEDER BREAKERS IN SWITCHBOARDS AND DISTRIBUTION PANELS.

c. ALL PANELBOARDS AND SWITCHBOARDS

d. DISCONNECT SWITCHES

e. COMBINATION MOTOR STARTERS

f. ENCLOSED CIRCUIT BREAKERS

g. CONTROL CABINETS

14. ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE PHASE/NEUTRAL CONDUCTORS. SYSTEM AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED AND INSTALLED AS REQUIRED BY THE CEC U.O.N.

15. ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATINGS AND INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN 110% OF THE AVAILABLE SHORT CIRCUIT CURRENT AT ITS SUPPLY TERMINAL.

16. ALL ELECTRICAL PANELS, LIGHT FIXTURES AND EQUIPMENT RECESSED IN FIRE RATED WALLS AND CEILINGS SHALL BE BOXED WITH EQUIVALENT HOUR RATED CONSTRUCTION.

GENERAL NOTES

17. OUTLET BOXES, UTILIZATION EQUIPMENT CABINETS, CONDUIT SYSTEMS, LIGHTING FIXTURES AND CONVENIENCE OUTLETS SHALL BE GROUNDING AND BONDED IN ALL ELECTRICAL SYSTEMS OPERATING AT 48 VOLTS AND ABOVE. EACH GROUND WIRE SHALL BE TERMINATED AT THE EQUIPMENT GROUND BAR OR TERMINAL. EQUIPMENT GROUND WIRES SHALL BE SIZED PER CEC 250.122.

18. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL ROPE CONTAINED WITHIN. LEAVE MINIMUM OF 2'-0" SLACK AT EACH END.

19. ALL CONDUITS SHALL BE A MINIMUM TRADE SIZE OF 3/4".

20. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER IN RACEWAY, PER SPECIFICATIONS, REGARDLESS OF APPLICATION. NO ALUMINUM WIRING OR MC CABLE OR AC CABLE SHALL BE USED.

21. ALL LIGHTING FIXTURES THAT MAY BE IN CONTACT WITH THE BUILDING'S INSULATION SHALL BE U.L. LISTED FOR SUCH INSTALLATIONS.

22. ALL LIGHTING FIXTURES SHALL BE SUPPORTED FOR SEISMIC RESTRAINT PER REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.

23. ALL EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

24. STUB UP AND CAP (6) 3/4" C.O. FROM THE TOP OF EACH FLUSH MOUNTED PANELBOARD TO 6" ABOVE THE ACCESSIBLE CEILING FOR FUTURE USE.

25. FIELD VERIFY EXISTING CONDITIONS AND ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN PLANS AND ACTUAL CONDITIONS PRIOR TO SUBMITTING BID.

26. IF THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT/ENGINEER'S ATTENTION. SHOULD THE CLIENT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.

27. ALL NEW TAPS AT EXISTING SWITCHBOARDS SHALL BE INSTALLED PER SWITCHBOARD MANUFACTURER'S SPECIFICATIONS OR SHALL BE CERTIFIED BY A NRTL CERTIFIED TESTING LAB OR FABRICATOR. THE TAPS SHALL NOT VOID THE U.L. LISTING OF THE EXISTING SWITCHBOARD.

28. ALL COLD WATER PIPE GROUND CONNECTIONS SHALL BE MADE WITHIN 5 FT. OF COLD WATER PIPE ENTRANCE INTO THE BUILDING. (REFERENCE CEC 250.5.2)

29. WHERE 120V BRANCH CIRCUITS EXCEED 90 FEET IN LENGTH (200 FEET FOR 277V) INCREASE WIRE SIZE TO THE NEXT LARGER AWG.

30. THE FOLLOWING BENDING RADI SHALL BE MAINTAINED FOR ALL UNDERGROUND COMMUNICATION CONDUIT SWEEPS:

CONDUIT SIZE	SWEEP MINIMUM RADIUS
2"	24"
3"	36"
4"	48"

31. COORDINATE ALL DEVICES AT CASEWORK WITH ARCHITECTURAL INTERIOR ELEVATIONS AND CASEWORK SUBMITTALS PRIOR TO ROUGH-IN.

32. ELECTRICAL RECEPTACLE(S) SHALL BE LOCATED WITHIN 18" OF ASSOCIATED TELECOMMUNICATIONS OR AUDIO/VISUAL OUTLET(S) WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE ALL OUTLET LOCATIONS WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.

33. COORDINATE ALL FLOOR MOUNTED DEVICES WITH ARCHITECTURAL FURNITURE PLANS PRIOR TO ROUGH-IN.

34. EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT SHALL BE MORE THAN 100'-0" FROM THE NEAREST VISIBLE SIGN. EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.

35. ALL EXPOSED CABLING ROUTED ABOVE ANY AND ALL CEILINGS SHALL BE PLEXUM RATED.

36. WIRING FROM EMERGENCY SOURCES SHALL BE KEPT ENTIRELY SEPARATE AND INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT, AND SHALL NOT ENTER THE SAME RACEWAY, CABLE BOX OR CABINET WITH OTHER WIRING. (REFERENCE CEC 700.9)

GENERAL NOTES

37. ALL OUTDOOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF 'WHILE IN USE' COVERS.

38. WHERE ITEMS ARE INDICATED FOR DISCONNECTION OR REMOVAL, REMOVE ALL ASSOCIATED CONDUIT, WIRING, SUPPORTS, AND BOXES BACK TO SOURCE UNLESS OTHERWISE NOTED. REMOVE CONDUIT FLUSH WITH SLAB. PATCH WALLS AND FLOORS NOT SCHEDULED FOR DEMOLITION.

39. SEAL ALL PENETRATIONS OF RATED WALLS WITH U.L. LISTED FIRE STOP SYSTEM.

40. ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

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3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. 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 OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

41. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2013 CBC, SECTIONS 1616A. 1.23, 1616A. 1.24, 1616A. 1.25 AND 1616A.1.26.









THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

42. DIVISION 26 CONTRACTOR SHALL CLOSELY COORDINATE THE RACEWAY INSTALLATION WITH THE DIVISION 27 CONTRACTOR. DIVISION 27 SHALL INSTRUCT DIVISION 26 ON THE SPECIAL REQUIREMENTS FOR THE INSTALLATION OF FIBER OPTIC AND CATEGORY 6 RACEWAYS. DIVISION 27 SHALL INSPECT AND ACCEPT RACEWAY SYSTEMS PRIOR TO THE INSTALLATION OF ANY DATA WIRING.




43. EMS IS AUTOMATED LOGIC (ALC) FOR BOTH HVAC AND EXTERIOR LIGHTING CONTROLS (EXCEPT FOR FIELD LIGHTING).

DEVICE SCHEDULE		
SYMBOL	DESCRIPTION	SPEC SECTION/MANUFACTURER INFORMATION
	DATA JACK	SIEMON 26AS06 - BLUE
	PHONE JACK	SIEMON 26AS06 - BLACK
	WIRELESS ACCESS POINT - INTERIOR	MERAKI CAT# MR53
	WIRELESS ACCESS POINT - EXTERIOR POLE MOUNTED	MERAKI CAT# MR84
	SECURITY CAMERA - POLE MOUNTED	HANWHA CAMERA - OWNER FURNISHED, CONTRACTOR INSTALLED
	SECURITY CAMERA - UNDER CANOPY MOUNTED	HANWHA CAMERA - OWNER FURNISHED, CONTRACTOR INSTALLED
	SECURITY CAMERA - WALL MOUNTED	HANWHA CAMERA - OWNER FURNISHED, CONTRACTOR INSTALLED
	INTRUSION DETECTOR	DMP INTRUSION DETECTION

OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI) 'ELECTRICAL' ITEMS		
ITEM - DESCRIPTION	MANUFACTURER	REFERENCE
ATHLETIC FIELD LIGHTING	MUSCO	PER MUSCO "MT", "MS", "MD" SERIES DRAWINGS
ATHLETIC FIELD LIGHTING CONTROLS	MUSCO	PER MUSCO "MT", "MS", "MD" SERIES DRAWINGS
SCOREBOARD	DAKTRONICS - "FB" SERIES	PER ARCHITECTURAL DRAWINGS & SPECIFICATIONS
STADIUM SOUND SYSTEM	DAKTRONICS - "SPORTSOUND"	PER ARCHITECTURAL DRAWINGS & SPECIFICATIONS
CCTV CAMERAS	HANWHA TECHWIN	PROVIDED BY DISTRICT, CONTRACTOR INSTALLED
WIRELESS ACCESS POINT	MERAKI CAT# MR84	PROVIDED BY DISTRICT, CONTRACTOR INSTALLED

NOTES:

- CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUCTORS, CABLE, MOUNTING HARDWARE, ETC. AS REQUIRED FOR INSTALLATION OF THESE 'OWNER FURNISHED' ITEMS.
- MUSCO LIGHTING SYSTEM WILL BE FURNISHED WITH POLES, PRE-CAST CONCRETE BASES, FIXTURES, WIRING HARNESSSES (INTERNAL TO THE POLES),AND CONTROL CABINETS AS NOTED ON THE MUSCO DRAWINGS.

SPEAKER SCHEDULE		
SYMBOL	DESCRIPTION	SPEC SECTION/MANUFACTURER INFORMATION
	WALL MOUNTED EXTERIOR	ADVANCED NETWORK DEVICES CAT# IPSWS-SM-0
	ROOF/POLE MOUNTED HORN TYPE EXTERIOR	ADVANCED NETWORK DEVICES CAT# IPSWS-SM-0
	WALL MOUNTED INSIDE ENCLOSURE INTERIOR	ADVANCED NETWORK DEVICES CAT# IPSWD-RWB WITH FLUSH MOUNT IPS-FM1 AND CAGE G2017-WEB

CABLE SCHEDULE		
SYMBOL	DESCRIPTION	SPEC SECTION/MANUFACTURER INFORMATION
C6	CATEGORY 6 CABLE	IN CONDUIT - SIEMON, UNDERGROUND/EXTERIOR - COMMSCOPE
MIC. CA.	MICROPHONE CABLE	VARIOUS
1 PR #22 SHIELDED	SCOREBOARD CONTROL CABLE	VARIOUS
W-1489	STADIUM SOUND SYSTEM	DAKTRONICS W-1489
W-1615	STADIUM SOUND SYSTEM	DAKTRONICS W-1615
W-2317	STADIUM SOUND SYSTEM	DAKTRONICS W-2317
F.O.	FIBER OPTIC CABLE	SIEMON - SEE RISER DIAGRAM AND SITE/FLOOR PLANS FOR CABLE DESCRIPTION
DP	DOOR CONTROL POWER - 2#18AWG	BELDEN CABLE #8760
DS	DOOR SIGNAL - 4#24AWG	BELDEN CABLE #9841
SEC	SECURITY DEVICE CABLE - 4#22AWG	BELDEN CABLE #5502UE (INTERIOR) BELDEN CABLE #5502UI (EXTERIOR)
SDC	SECURITY DISTRIBUTION CABLE - 6#18AWG	BELDEN CABLE #5304UE (INTERIOR) BELDEN CABLE #5504UI (EXTERIOR)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120551 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/11/2021

REVISIONS

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LA MIRADA HIGH SCHOOL NEW FOOTBALL STADIUM PROJECT
13520 ADELFA DRIVE, LA MIRADA, CA 90638

DSA # 03-120551

NAC
ARCHITECTURE

NAC NO. 161-19015
DATE 12/10/2020

DSA BACKCHECK
SUBMISSION

ELECTRICAL
GENERAL NOTES

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