WESTMORE OAKS ELEMENTARY SCHOOL MODERNIZATION PROJECT

1504 FALLBROOK ST., WEST SACRAMENTO, CA. 95691
WASHINGTON UNIFIED SCHOOL DISTRICT

GENERAL NOTES

1. PRIOR TO SUBMITTING BIDS, BIDDER SHALL EXAMINE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE/SHE SHALL BE FAMILIAR WITH THE CONDITIONS UNDER WHICH HE/SHE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. BIDDERS SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2. THERE WILL BE NO SUBSTITUTIONS FOR SPECIFIED ITEMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE NOTED. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN ACCORDANCE WITH SPECIAL CONDITIONS AND DIVISION 1.
3. THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, ETC., SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
4. DEFINITIONS:
   A. 'TYPICAL' MEANS IDENTICAL FOR ALL CONDITIONS, UNLESS OTHERWISE NOTED
   B. 'SIMILAR' MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATIONS.
   C. 'PROVIDE' MEANS TO FURNISH AND INSTALL
   D. 'FURNISH' MEANS TO FURNISH AND OTHERS WILL INSTALL
6. DIMENSIONING RULES:
   A. ALL HORIZONTAL EXTERIOR DIMENSIONS SHALL BE FACE OF STUD OR COLUMN GRID LINE, U.O.N.
   B. ALL HORIZONTAL INTERIOR DIMENSIONS SHALL BE TO CENTER LINE OF STUD OR COLUMN GRID LINE, U.O.N.
   C. DIMENSIONS NOTED 'CLEAR', 'CLR' OR 'MINIMUM' MUST BE PRECISELY MAINTAINED.
   D. DIMENSIONS CAN NOT BE MODIFIED WITHOUT APPROVAL OF THE ARCHITECT UNLESS OTHERWISE NOTED.
   E. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB UNLESS OTHERWISE NOTED.
   F. DO NOT SCALE DRAWINGS. IF ANY ITEM OF WORK CANNOT BE LOCATED, DO NOT PROCEED WITH THE WORK WITHOUT THE ARCHITECT'S APPROVAL.
   G. DIMENSIONS MARKED 'V.I.F.' OR 'VERIFY' SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
   H. VERIFY ALL ROUGH OPENING DIMENSIONS FOR FABRICATED ITEMS WITH THE MANUFACTURER PRIOR TO PROCEEDING WITH CONSTRUCTION.
   I. DOOR AND WINDOW OPENINGS SHALL BE LOCATED ADJACENT TO PERPENDICULAR WALL UNLESS DIMENSIONED OTHERWISE.
7. PROVIDE REQUIRED BACKING, BLOCKING, AND BRACING FOR ALL WALL-MOUNTED FIXTURES, ACCESSORIES AND EQUIPMENT.
8. VERIFY AND COORDINATE WALLS THAT MAY REQUIRE NON-TYPICAL THICKNESS OR FRAMING DUE TO ELECTRICAL, MECHANICAL, PLUMBING, STRUCTURAL AND/OR EQUIPMENT REQUIREMENTS.
9. ALL GLAZING SHALL CONFORM TO FEDERAL GLAZING REGULATIONS AND CHAPTER 24, CBC.
10. ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT-OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS/HER OPERATIONS AT THE CONCLUSION OF THE INSTALLATION. HE/SHE SHALL LEAVE ALL AREAS CLEAN AND FREE FROM DUST.
12. HAZARDOUS MATERIALS: THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF OR EXPOSURE OF PERSONS TO ASBESTOS OR HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION, DETECTION, ABATEMENT, REPLACEMENT, USE, SPECIFICATION, OR REMOVAL OF PRODUCTS, MATERIALS, OR PROCESSES CONTAINING ASBESTOS OR HAZARDOUS OR TOXIC MATERIALS ARE BEYOND THE SCOPE OF THIS AGREEMENT.
13. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN THE DRAWING ARE APPROXIMATE ROUTING LOCATION AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE SCHOOL DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL EXISTING UNDERGROUND UTILITIES.
14. ALL TEMPORARY WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
15. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED WATER TIGHT. ALL INTERIOR PENETRATIONS SHALL BE SEALED TO PROVIDE A PROFESSIONAL AND FINISHED APPEARANCE.
16. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER USE CONTROL/OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, PROVIDE ALL ITEMS WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN CONTRACT PRICE OR TIME.
17. THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS/HER SCOPE, THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
18. ALL WORK SHALL CONFORM TO CALIFORNIA CODES, TRADE STANDARDS WHICH GOVERN EACH PHASE OF THE PROJECT, AND ALL APPLICABLE LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
19. THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE CSI FORMAT PROJECT MANUAL PUBLISHED IN BOOK FORM. COMBINED, THEY ARE THE 'CONTRACT DOCUMENTS'.
20. NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS, ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
21. CONSTRUCTION MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE OR DETERIORATION. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK. SECURITY OF MATERIALS ARE THE SOLE RESPONSIBILITY OF GENERAL CONTRACTOR.
22. ALL EQUIPMENT/CABINETS SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT WITH THIS WORK.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE AND COSTS ATTRIBUTED TO RAIN WATER DAMAGE DURING THE DURATION OF THIS PROJECT.
24. PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DUE TO TEMPERATURES, WIND, DUST, WATER, ETC., PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC., AS REQUIRED DURING CONSTRUCTION.
25. MAINTAIN EXISTING PEDESTRIAN ACCESS ALONG EXISTING ADJACENT STREETS AND CAMPUS PATHWAYS.
26. ALL PUBLIC IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST ADOPTED CITY/ COUNTY STANDARDS.
27. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
28. NOTIFY THE ARCHITECT IN WRITING AND SEEK CLARIFICATION IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIAL WORK IF RELATED WORK IS CONTINUED AFTER A DISCREPANCY IS IDENTIFIED.
29. NEW FINISHES AND CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR FROM POTENTIAL DAMAGE CAUSED BY CONSTRUCTION ACTIVITY. DAMAGE TO FINISHES OR CONSTRUCTION SHALL BE REPAIRED OR REPLACED (OWNER'S DECISION) BY THE CONTRACTOR WITH IDENTICAL MATERIAL AND/OR FINISHES. CONTRACTOR SHALL MAKE AND MAINTAIN A PHOTOGRAPHIC RECORD NOTEBOOK WITH DATED/INDEXED PHOTOGRAPHS.
30. PATCH AND REPAIR ALL SURFACES ADJACENT TO AREAS AFFECTED BY MODERNIZATION TO MATCH EXISTING, U.O.N.
31. SEE MECHANICAL & PLUMBING DRAWINGS FOR INFORMATION RELATED TO PLUMBING, HEATING, VENTILATION AND AIR CONDITIONING EQUIPMENT. SEE ARCHITECTURAL PLANS, REFLECTED CEILING PLANS AND ELEVATIONS FOR COORDINATED EQUIPMENT LOCATIONS. IF NOT SHOWN, CONTACT THE ARCHITECT FOR REVIEW AND DECISION.
32. SEE ELECTRICAL DRAWINGS FOR INFORMATION RELATED TO TELECOMMUNICATION EQUIPMENT, POWER AND LIGHTING FIXTURES AND EQUIPMENT. SEE ARCHITECTURAL PLANS, REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR COORDINATED EQUIPMENT LOCATIONS. IF NOT SHOWN, CONTACT THE ARCHITECT FOR REVIEW AND DECISION.
33. PROVIDE ACCESS DOORS REQUIRED FOR ACCESS TO CONCEALED MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
34. ALL NOTED WORK IS UNDERSTOOD TO BE NEW UNLESS LABELED AS '(E)' OR 'EXISTING'
35. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING STRUCTURE AND LANDSCAPE OUTSIDE THE PROJECT AREA OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE AND COSTS ATTRIBUTED TO THESE AREAS.

SUPPLEMENTAL GENERAL NOTES

1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THE SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THIS WORK.
3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF BCjA ARCHITECTS, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF BCjA ARCHITECTS.
4. EACH BIDDER SHALL POSSESS AT THE TIME OF BID, A CLASS B OR THE APPROPRIATE CLASS C CONTRACTORS LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
5. FIRE SAFETY DURING CONSTRUCTION:
   A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH 2016 CALIFORNIA FIRE CODE (C.F.C.) CALIFORNIA CODE OF REGULATIONS (C.C.R.) TITLE 24, PART 9, CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
   B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH SECTION 503.
   C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH SECTION 507.
   D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES.
   E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CFC CHAPTER 33.
   F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH CFC CHAPTER 33.
   G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.
6. PENETRATIONS IN FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER THE FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
7. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):
   "THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED. IT IS BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE DRAWINGS".
8. ENVELOPE MANDATORY MEASURES.
   A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
   B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 719 AND 2603 AND THE INTERNATIONAL BUILDING CODE, SECTIONS 719 AND 2603.
   C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
   D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
   E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 116(a)1.
   F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE RATING PROCEDURE.
   G. DEMISING WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED GLASS (EXCEPT DOORS).
9. FOR EXPANSION OR EPOXY TYPE ANCHORS REFER TO S0.1 STRUCTURAL GENERAL NOTES.
10. SPECIFICATIONS FOR AUTOMATIC END WELDED STUDS:
   A. MATERIAL: AUTOMATIC END WELDED STUDS SHALL BE NELSON GRANULAR FLUX-FILLED SHEAR CONNECTOR OR ANCHOR STUDS (OR APPROVED EQUAL). STUDS SHALL BE MANUFACTURED OF G-1015 COLD ROLLED STEEL WHICH CONFORMS TO ASTM A108.
   B. INSTALLATION: THE STUDS SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THE STUD SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8" AND UNDER, AND 3/16" FOR OVER 5/8" DIAMETER. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY THE WELDING INSPECTOR.

DSA REQUIREMENTS

1. ALL WORK SHALL CONFORM TO THE 2016 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.).
2. AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.
3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
4. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, C.C.R.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
6. A COPY OF PARTS 1 TO PART 5 OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN THE FIELD DURING CONSTRUCTION.
7. DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, C.C.R.
8. THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.
9. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, C.C.R.
10. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R.:
    - VERIFIED REPORTS PER SECT 4-336; PART 1, TITLE 24 C.C.R.
    - DUTIES OF ARCHITECT PER SECT 4-331, 4-341; PART 1, TITLE 24 C.C.R.
    - DUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24
11. TESTING AND INSPECTION:
    - INSPECTION APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, C.C.R.
    - TESTS AND TESTING LABORATORIES PER SECT 4-335
    - SPECIAL INSPECTION PER SECT. 4-333(C)
12. CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH C.B.C. SECTION 11B-302 AND 11B-303.
13. ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, C.C.R.
14. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PAT 1, TITLE 24, C.C.R. AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OR RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
15. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B).
16. 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 FINISH 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 BY DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
17. INSPECTOR OF RECORD REQUIREMENTS:
    A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24; PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.
    B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 3 INSPECTOR THROUGH THE DIVISION OF OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.

STATEMENT OF ACCEPTANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

Application No. 02-117459
File No. 57-31

[X] The drawings or sheets listed on the cover or index sheet (all drawings)
[ ] This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I certify that: [X] All drawings or sheets listed on the cover or index sheet
[ ] This drawing or page
[X] Is/are in general conformance with the project design and
[X] have been coordinated with the project plans & specifications

05/29/2019
Signature Date

Architect or Engineer designated to be in general Architect or Engineer delegated responsibility responsible charge for this portion of the work.

BRIAN P. WHITMORE
Print Name

C30345
License Number

09/30/2019
Expiration Date

STATEMENT OF GENERAL CONFORMANCE AND SIGNATURE BLOCK PER IR A-18

DETAIL DRAWING CODE

A10.84
- A10 — DRAWING NUMBER
- 84 — DIVISION PREFIX INDEX

THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 28 DIVISIONS GROUPING SYSTEM OF 2004 MASTER FORMAT AS PUBLISHED BY THE CONSTRUCTION SPECIFICATION INSTITUTE (CSI) AND SHALL NOT BE SOLELY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS NOTED AS BEING OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS.

IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

SCOPE OF WORK

SCOPE OF WORK INCLUDES:
- INTERIOR MODERNIZATION OF BUILDING A
- MODERNIZATION OF CLASSROOM BUILDINGS B, C, D AND E TO INCLUDE NEW FINISHES, TECHNOLOGY
- PAINT IN BUILDING M
- SITE WORK TO INCLUDE REVISED PARKING LOT AND PARENT DROP OFF

DEFERRED APPROVALS

1. NONE

ADD ALTERNATES

1. REPLACE EXISTING WINDOWS WITH NEW WINDOWS
2. INTERIOR FINISH PAINTING AND FLOORING MODERNIZATION OF BUILDING M.
3. REPLACE EXISTING TACKBOARD WITH NEW TACKBOARD
4. REPLACE ALL EXISTING ELECTRICAL WIREMOLD IN CLASSROOMS WITH IN WALL ELECTRICAL OUTLETS AND CONDUIT.

CODES AND REGULATIONS

APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:

1. 2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CBSC
2. 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CBSC (2015 IBC & CALIFORNIA AMENDMENTS)
3. 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CBSC (2014 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
4. 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CBSC (2015 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
5. 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CBSC (2015 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
6. 2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBSC
7. 2016 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CBSC
8. 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CBSC (2015 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
9. 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CBSC
10. TITLE 8 C.C.R., CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS
11. TITLE 19 C.C.R., PUBLIC SAFETY, SFM REGULATIONS
12. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24.

APPLICABLE FEDERAL CODES AND STANDARDS:

13. AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11
14. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

APPLICABLE REFERENCED STANDARDS:

15. NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2016 EDITION
16. NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2016 EDITION
17. NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2016 EDITION
18. NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2015 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2016 CFC (SFM) CHAPTER 80. SEE CHAPTER 80 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

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SHEET INDEX

GENERAL
A0.0 TITLE SHEET, GENERAL NOTES & PROJECT INFORMATION
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ARCHITECTURAL DRAWING ABBREVIATIONS

SYMBOLS

&	AND
∠	ANGLE
@	AT
CL	CENTERLINE
[	CHANNEL
∅	DIAMETER OR ROUND
(E)	EXISTING
(N)	NEW
d	PENNY (NAILS)
⊥	PERPENDICULAR
PL	PLATE
#	POUND OR NUMBER

A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABC	AGGREGATE BASE COURSE
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACC	ACCESS(IBLE)
ACST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADDM	ADDENDUM
ADH	ADHESIVE
ADJ	ADJUSTABLE
ADJC	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
ANC	ANCHOR, ANCHORAGE
APLD	APPLIED
APPRX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASC	ABOVE SUSPENDED CEILING
ASPH	ASPHALT
ASSY	ASSEMBLY
ASYM	ASYMMETRICAL
AWG	AMERICAN WIRE GAGE

BC	BACK OF CURB
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW CLG	BELOW CEILING
BLW FFLR	BELOW FINISH FLOOR
BLW	BELOW
BM	BENCH MARK
BN	BOUNDARY NAILING
BOT	BOTTOM
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BRS	BRASS
BRZ	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS

C&G	CURB AND GUTTER
CAB	CABINET
CAD	CADMIUM
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CEM	CEMENT
CER	CERAMIC
CFCI	CONTRACTOR FURNISH CONTRACTOR INSTALLED
CFLG	COUNTERFLASHING
CFOI	CONTRACTOR FURNISH OWNER INSTALLED
CG	CORNER GUARD
CHBD	CHALKBOARD
CHFR	CHAMFER
CI	CAST IRON
CIR	CIRCLE
CIRC	CIRCULAR, CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CL	CHAIN LINK
CLG	CEILING
CLJ	CONTROL JOINT
CLL	CONTRACT LIMIT LINE
CLOS	CLOSURE
CLR	CLEAR(ANCE)
CLRM	CLASSROOM
CMPST	COMPOSITION
CMU	CONCRETE MASONRY UNIT
CNCL	CONCEALED
CNR	CORNER
CNTR	COUNTER
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS (ATION)
CONTR	CONTRACT(OR)
COORD	COORDINATE
CORR	CORRIDOR
CPR	COPPER
CPRS	COMPRESS(ED), (ION), (IBLE)
CPT	CARPET(ED)
CRS	COLD ROLLED STEEL
CS	CAST STONE
CSG	CASING
CSK	COUNTERSUNK
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTG	COATING
CTR	CENTER

CUFT	CUBIC FOOT
CUIN	CUBIC INCH
CUST	CUSTODIAN
CUYD	CUBIC YARD

D	DRAIN
DA	DOUBLEACTING
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DMPF	DAMPPROOFING
DMT	DEMOUNTABLE
DN	DOWN
DR	DOOR
DRB	DRAINBOARD
DRLV	DOOR LOUVER
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DT	DRAIN TILE
DVTL	DOVETAIL
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER

E	EAST
EA	EACH
EAR	EXHAUST AIR REGISTER
EB	EXPANSION BOLT
EE	EACH END
EF	EACH FACE
EFS	EXTERIOR FINISH SYSTEM
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EM	EXPANDED METAL
EMER	EMERGENCY
EN	EDGE NAILING
ENCL	ENCLOSE(URE)
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANELBOARD
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCUTCHEON
ESCL	ESCALATOR
ESMT	EASEMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRICAL WATER HEATER
EWS	EYE WASH STATION
EXC	EXCAVATE
EXG	EXISTING
EXH	EXHAUST
EXP	EXPOSED
EXPN	EXPANSION
EXS	EXTRA STRONG
EXT	EXTERIOR

F/F	FACE TO FACE
FA	FIRE ALARM
FAB	FABRIC
FBD	FIBERBOARD
FBRK	FIRE BRICK
FCBRK	FACE BRICK
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFEL	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FHMS	FLATHEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH(ED)
FJT	FLUSH JOINT
FLASH	FLASH(ING)
FLDG	FOLDING
FLG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FN	FIELD NAILING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOG	FACE OF GRID
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FPL	FIREPLACE
FPRF	FIREPROOF(ING)
FR	FRAME(D), (ING)
FRG	FIBER REINFORCED GYPSUM
FRP	FIBERGLASS REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FAR SIDE
FSTN	FASTEN, FASTENER
FT	FOOT OR FEET
FTG	FOOTING
FURG	FURRED (ING)
FUT	FUTURE
FV	FIELD VERIFY
FWC	FABRIC WALL COVERING

GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUE LAMINATED
GLZ	GLAZING
GLZCMU	GLAZED CONCRETE MASONRY UNITS
GND	GROUND
GPC	GYPSUM PLASTER CEILING
GR LN	GRADE LINE
GR BM	GRADE BEAM
GR	GRADE, (ING)
GRBD	GARBAGE DISPOSER
GSB	GYPSUM SHEATHING BOARD
GSS	GALVANIZED STEEL SHEET
GST	GLAZED STRUCTURAL TILE
GT	GROUT
GVL	GRAVEL
GYP	GYPSUM

HB	HOSE BIBB
HC	HOLLOW CORE
HD	HEAVY DUTY
HD JT	HEAD JOINT
HDAS	HEADED ANCHOR STUD
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEX	HEXAGONAL
HGR	HANGER
HLDN	HOLD DOWN
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HWH	HOT WATER HEATER

ID	INSIDE DIAMETER
INCL	INCLUDE(D), (ING)
INSTL	INSTALL
INSUL	INSULATE(D), (ION)
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE

JAN	JANITOR
JST	JOIST
JT	JOINT

KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE

LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE(D)
LAV	LAVATORY
LBL	LABEL
LBR	LUMBER
LBS	POUND
LDR	LEADER
LG	LENGTH
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKNT	LOCKNUT
LKR	LOCKER
LKWASH	LOCKWASHER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMST	LIMESTONE
LNDSCP	LANDSCAPE(D)
LNTL	LINTEL
LP	LIGHTPROOF
LPT	LOW POINT
LT	LIGHT
LTWT	LIGHT WEIGHT
LVL	LEVEL(ER)
LVR	LOUVER
LW	LIGHTWEIGHT CONCRETE
LWIC	LIGHTWEIGHT INSULATING CONCRETE

MAINT	MAINTAIN(ANCE)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MC	MEDICINE CABINET
MCB	METAL CORNER BEAD
MDO	MEDIUM DENSITY OVERLAID
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFD	METAL FLOOR DECKING
MFR	MANUFACTURE(ER)
MH	MANHOLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE (AR)
MR	MOISTURE RESISTANT
MRB	MARBLE
MRD	METAL ROOF DECKING
MS	MACHINE SCREW
MTD	MOUNTED
MTL	METAL
MTR	MORTAR
MULL	MULLION
MVBL	MOVABLE
MWP	MEMBRANE WATER PROOFING

N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NCOMBL	NONCOMBUSTIBLE
NE	NOT EXCEEDING
NF	NEAR FACE
NIC	NOT IN CONTRACT
NLB	NON-LOAD BEARING
NM	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
NS	NEAR SIDE
NTS	NOT TO SCALE

O/O	OUT TO OUT
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED - OWNER INSTALLED
OFS	OUTSIDE FACE OF STUD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
OVFL	OVERFLOW
OVHD	OVERHEAD

PAR	PARALLEL
PAT	PATTERN
PB	PANIC BAR
PBD	PARTICLE BOARD
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCP	PORTLAND CEMENT PLASTER
PED	PEDESTAL
PERF	PERFORATE(D)
PERIM	PERIMETER
PERP	PERPENDICULAR
PGBD	PEGBOARD
PH	PHASE
PHS	PHILLIPS HEAD SCREW
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PNT	PAINT(ED)
POL	POLISHED
POLY	POLYETHYLENE
PORC	PORCELAIN
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE(D)
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PRML	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PRVD	PROVIDED
PSCONC	PRESTRESSED CONCRETE
PT	POINT
PTCONC	POST TENSIONED CONCRETE
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTOR
PVC	POLYVINYL CHLORIDE
PVG	PAVE(D), (ING)
PVMT	PAVEMENT

QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY

R	RISER
RA	RETURN AIR
RAB	RABBET
RAD	RADIUS
RB	RESILIENT BASE
RBR	RUBBER
RCP	REINFORCED CONCRETE PIPE
RCVR	RECEIVER
RD	ROOF DRAIN
RDGINS	RIGID INSULATION
RDWY	ROADWAY
REBAR	REINFORCING STEEL BARS
REC	RECESSED
RECT	RETANGULAR
REF	REFERENCE
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE(D), (ING), (MENT)
REM	REMOVE(ABLE)
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION(S), REVISED
RF	RESILIENT FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	ROUGH SAWN
RTF	RUBBER TILE FLOORING
RTU	ROOF TOP UNIT
RV	ROOF VENT
RVL	REVEAL
RVS	REVERSE (SIDE)
RVT	RIVET(ED)
RWD	REDWOOD
RWL	RAIN WATER LEADER

S	SOUTH
S2S	SURFACED TWO SIDES
S4S	SURFACED FOUR SIDES
SA	SUPPLY AIR
SALV	SALVAGE
SAT	SUSPENDED ACOUSTICAL TILE
SB	SPLASH BLOCK
SBSTR	SUBSTRATE
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCP	SCUPPER
SCRN	SCREEN
SCWD	SOLID CORE WOOD DOOR
SD	STORM DRAIN
SDBL	SANDBLAST
SECT	SECTION
SGL	SINGLE
SHR	SHOWER
SHT	SHEET(ING)
SHTHG	SHEATHING
SHV	SHELVES (ING)
SIM	SIMILAR
SKLT	SKYLIGHT
SLD	SEALED
SLDG	SLIDE (ING)
SLDR	SOLDER
SLNT	SEALANT
SLV	SLEEVE
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SMLS	SEAMLESS
SND	SANITARY NAPKIN DISPENSER
SNDINS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SNT	SEALANT
SPC	SUSPENDED PLASTER CEILING
SPD	SOAP DISPENSER
SPEC	SPECIFICATION(S) (ED)
SPRT	SUPPORT
SQ	SQUARE
SSD	SEE STRUCTURAL DRAWINGS
SSK	SERVICE SINK
SST	STAINLESS STEEL
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STG	SEATING
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STR	STRAIGHT
ST	STREET
STRCT	STRUCTURAL
STU	STRUCT
SUSP	SUSPENDED
SV	SHEET VINYL
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM

T	TREAD
T & B	TOP AND BOTTOM
TB	THRU BOLT
TBE	THREADED BOTH ENDS
TBM	TEMPORARY BENCH MARK
TD	TOWEL DISPENSER
TDR	TOWEL DISPENSER/ RECEPTACLE
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
T & G	TONGUE & GROOVE
THD	THREAD(ED)
THERM	THERMAL
THK	THICK(NESS)
THRES	THRESHOLD
TKBD	TACKBOARD
TMPD	TEMPERED
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOFF	TOP OF FINISH FLOOR
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPV	TOP OF PAVEMENT
TOS	TOP OF SHEATHING
TOSL	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TS	TUBE STEEL
TWLB	TOWEL BAR
TV	TELEVISION
TYP	TYPICAL

UC	UNDERCUT
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL

VAR	VARIES
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VFAT	VINYL FACED ACOUSTIC TILE
VIF	VERIFY IN FIELD
VJ	V-JOINT(ED)
VNR	VENEER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING

W/	WITH
W/W	WALL TO WALL
W/O	WITHOUT
W	WEST
WBL	WOOD BLOCKING
WC	WATER CLOSET
WD	WOOD
WDP	WOOD PANELING
WDW	WINDOW
WF	WIDE FLANGE
WFS	WOOD FURRING STRIP
WGL	WIRED GLASS
WH	WALL HUNG
WI	WROUGHT IRON
WID	WIDTH, WIDE
WLD	WELD(ED)
WM	WIRE MESH
WP	WATERPROOF(ING)
WPT	WORKING POINT
WR	WIRE ROPE
WS	WOOD SCREW
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

XBRACE	CROSS BRACE
XFMR	TRANSFORMER
XSECT	CROSS SECTION

YCO	YARD CLEANOUT
YD	YARD

DRAWING LEGEND

- XX / A7.1 — DETAIL REFERENCE; XX = DRAWING NUMBER, A5.1 = SHEET NUMBER
- 1 — MAIN TITLES
- XX / A5.1 — EXTERIOR ELEVATION
- XX / A6.1 — BUILDING SECTION
- XX / A6.5 — WALL SECTION
- X / XX — 10 = DETAIL DESIGNATION; A8.3 = SHEET NUMBER
- 1 — GRID LINE
- XXXXX / +0'-0" — ELEVATION A.F.F.
- N — NORTH ARROW
- MATCHLINE
- INTERNATIONAL SYMBOL for ACCESSIBILITY (INDICATES ACCESSIBLE EQUIPMENT or FIXTURES)
- 07.420 — KEYNOTE NO. SEE SHEET LEGENDS FOR DEFINITIONS
- A101 — DOOR TAG SEE DOOR SCHEDULE SHEETS PER DRAWINGS INDEX
- XX — WINDOW TAG, SEE WINDOW ELEVATION SHEETS PER DRAWING INDEX

ROOM IDENTIFICATION

LOBBY
A
D — F10X | X — B
X/XX
C

LOBBY = ROOM NAME
F10X = ROOM/AREA IDENTITY
F- BUILDING OR AREA DESIGNATION
1- FLOOR NUMBER
0X-ROOM NUMBER
X = FINISH GROUP (SEE FINISH SCHEDULE)
X/X.X = INTERIOR ELEVATION DESIGNATION AND DRAWING NUMBER WHERE ELEVATION IS SHOWN
A,B,C,D = ELEVATION IDENTITY NUMBER. NUMBER POINTS TO WALL SHOWN IN ELEVATION.

- F10X-X — SIGNAGE. SEE SIGN SCHEDULE SHEET **A9.4**
- 1 — COLOR. SEE FINISH SCHEDULE SHEET **A9.3**
- F.E.C. — (E) FIRE EXTINGUISHER CABINET
- STUD WALLS (SEE WALL TYPE LEGEND)
- 1 — REVISION DELTA

MATERIALS LEGEND

GRAVEL	STEEL(LARGE SCALE)
EARTH	PLYWOOD
GYP BOARD	WOOD FRAMING
CONCRETE IN ELEV.	BLOCKING
STRUCTURAL CONCRETE	FINISHED WOOD
CONCRETE BLOCK	BATT INSULATION
STUD WALL	RIGID INSULATION
METAL LATH	SHORING

DSA STAMP

IDENTIFICATION STAMP
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APP. 02-117459 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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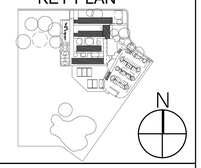
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

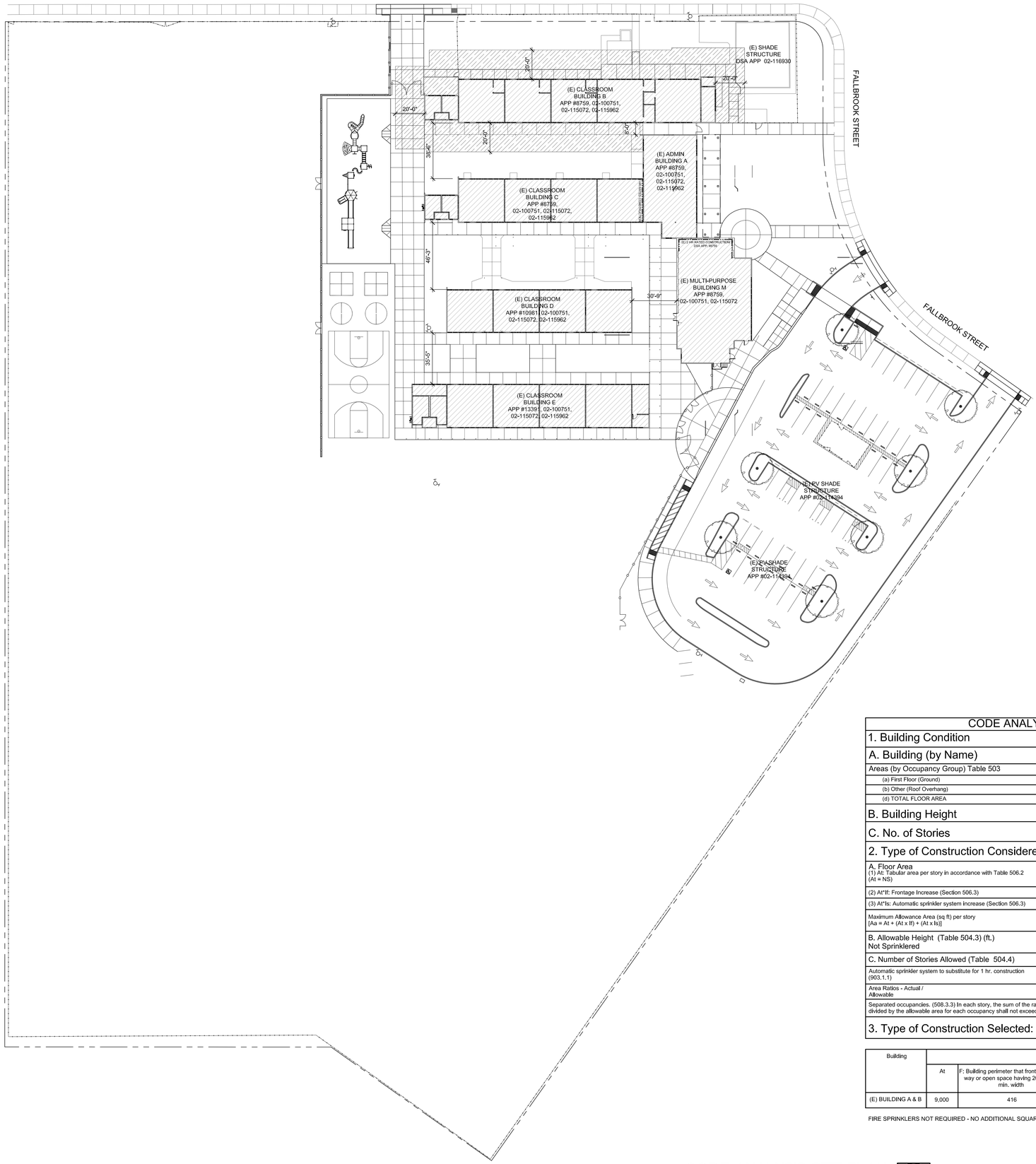
ABBREVIATIONS,
LEGENDS & MATERIALS

Date
03/18/19

Drawing Number
A0.1

Scale
AS NOTED

Project Number
19003.1



SITE LEGEND

- BUILDING AREA
- CLEAR FRONTAGE AREA
- RATED CONSTRUCTION
- PROPERTY LINE

CODE ANALYSIS

1. Building Condition					
A. Building (by Name)	(E) CLASSROOM BUILDING A & B	(E) CLASSROOM BUILDING C	(E) CLASSROOM BUILDING D	(E) CLASSROOM BUILDING E	(E) MULTI-PURPOSE BUILDING M
Areas (by Occupancy Group) Table 503	B	E	E	E	A-3
(a) First Floor (Ground)	8,557 SF	4,323 SF	3,855 SF	4,990 SF	4,112 SF
(b) Other (Roof Overhang)	1,304 SF	1,014 SF	742 SF	1,023 SF	725 SF
(d) TOTAL FLOOR AREA	9,861 SF	5,337 SF	4,597 SF	6,013 SF	4,837 SF
B. Building Height	13'-6"	13'-6"	13'-6"	13'-6"	18'-2"
C. No. of Stories	1	1	1	1	1
2. Type of Construction Considered	TYPE V-B	TYPE V-B	TYPE V-B	TYPE V-B	TYPE V-B
A. Floor Area (1) At: Tabular area per story in accordance with Table 506.2 (At = NS)	9,000 SF	9,500 SF	9,500 SF	9,500 SF	6,000 SF
(2) At*If: Frontage Increase (Section 506.3)	2,430	NOT USED	NOT USED	NOT USED	NOT USED
(3) At*Is: Automatic sprinkler system increase (Section 506.3)	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Maximum Allowance Area (sq ft) per story [Aa = At + (At x If) + (At x Is)]	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
B. Allowable Height (Table 504,3) (ft.) Not Sprinklered	40	40	40	40	40
C. Number of Stories Allowed (Table 504,4)	2	1	1	1	1
Automatic sprinkler system to substitute for 1 hr. construction (903.1.1)	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Area Ratios - Actual / Allowable	9,861 / 11,430 = 0.86 < 1 = OK	5,961 / 9,500 = 0.63 < 1 = OK	4,597 / 9,500 = 0.48 < 1 = OK	4,597 / 9,500 = 0.51 < 1 = OK	4,837 / 6,000 = 0.81 < 1 = OK
Separated occupancies. (508.3.3) In each story, the sum of the ratios of the actual floor area of each occupancy divided by the allowable area for each occupancy shall not exceed one.					
3. Type of Construction Selected:					

Building	Frontage Increase					
	At	F: Building perimeter that fronts on public way or open space having 20 ft. open min. width	P: Perimeter of entire building	W: Width of public way or open space in accordance with section 506.2.1	If=[F/P-0.25]W/30 (If=Area Increase due to frontage)	At*If
(E) BUILDING A & B	9,000	416	627	20	0.27	2,430

FIRE SPRINKLERS NOT REQUIRED - NO ADDITIONAL SQUARE FOOTAGE OR CHANGE OF OCCUPANCY.

N

SCALE: 1" = 30'-0"

CODE ANALYSIS SITE PLAN 1

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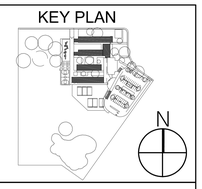
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

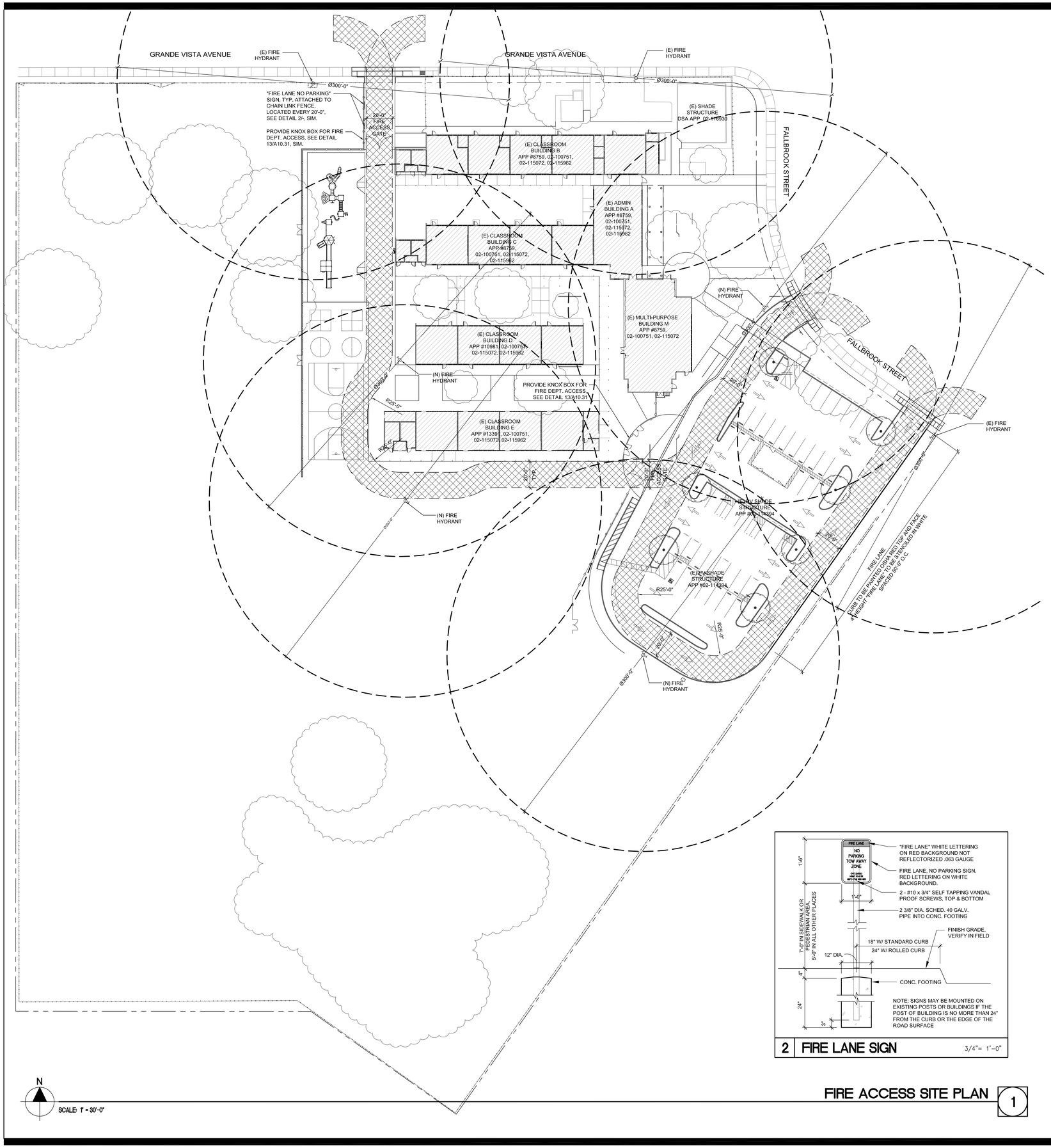
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

CODE ANALYSIS
SITE PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number
A0.2



2 FIRE LANE SIGN 3/4"= 1'-0"

N

SCALE: 1" = 30'-0"

FIRE ACCESS SITE PLAN 1

LEGEND

- BUILDING AREA
- FIRE TRUCK ACCESS ROUTE
- (E) CHAIN LINK FENCE TO REMAIN
- NEW CHAIN LINK FENCE
- NEW ORNAMENTAL FENCE
- FIRE HYDRANT

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1–3 below is to be provided for all project types indicated above. Information associated with items 4–7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 *and* 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION	
School District/Owner:	Washington Unified School District
Project Name/School:	Westmore Oaks Elementary School
Project Address:	1504 Fallbrook St., West Sacramento, Ca. 95691

FIRE & LIFE SAFETY INFORMATION				
1.	**Has a fire hydrant flow test been performed within the past 12 months?** ***(If yes, provide a copy of the test data.)***	Yes ☒		No ☐
2.	**Was the fire hydrant water flow test performed as part of this LFA review?**	Yes ☒		No ☐
3.	**Is the project located within a designated fire hazard severity zone as established by *Cal-Fire? (If yes, indicate fire hazard zone classification below)***	Yes ☐		No ☒
	Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	**Emergency vehicle access roadways do not meet CFC requirements.**			☒	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			☒	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			☒	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	**Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.**			☒	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ **Title:** _____

Signature: _____ **Date:** _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	West Sacramento Fire		
LFA Review Official:	Bryan Jonson		
Title:	Fire Marshal	Work Phone:	916.617.4600
Work E-mail:	bryanj@cityofwestsacramento.org		

LFA Reviewer's Signature: _____ **Date:** 03/15/19

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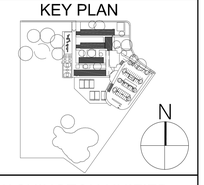
○ CONSTRUCTION	

KEY PLAN



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930 WESTACRE ROAD
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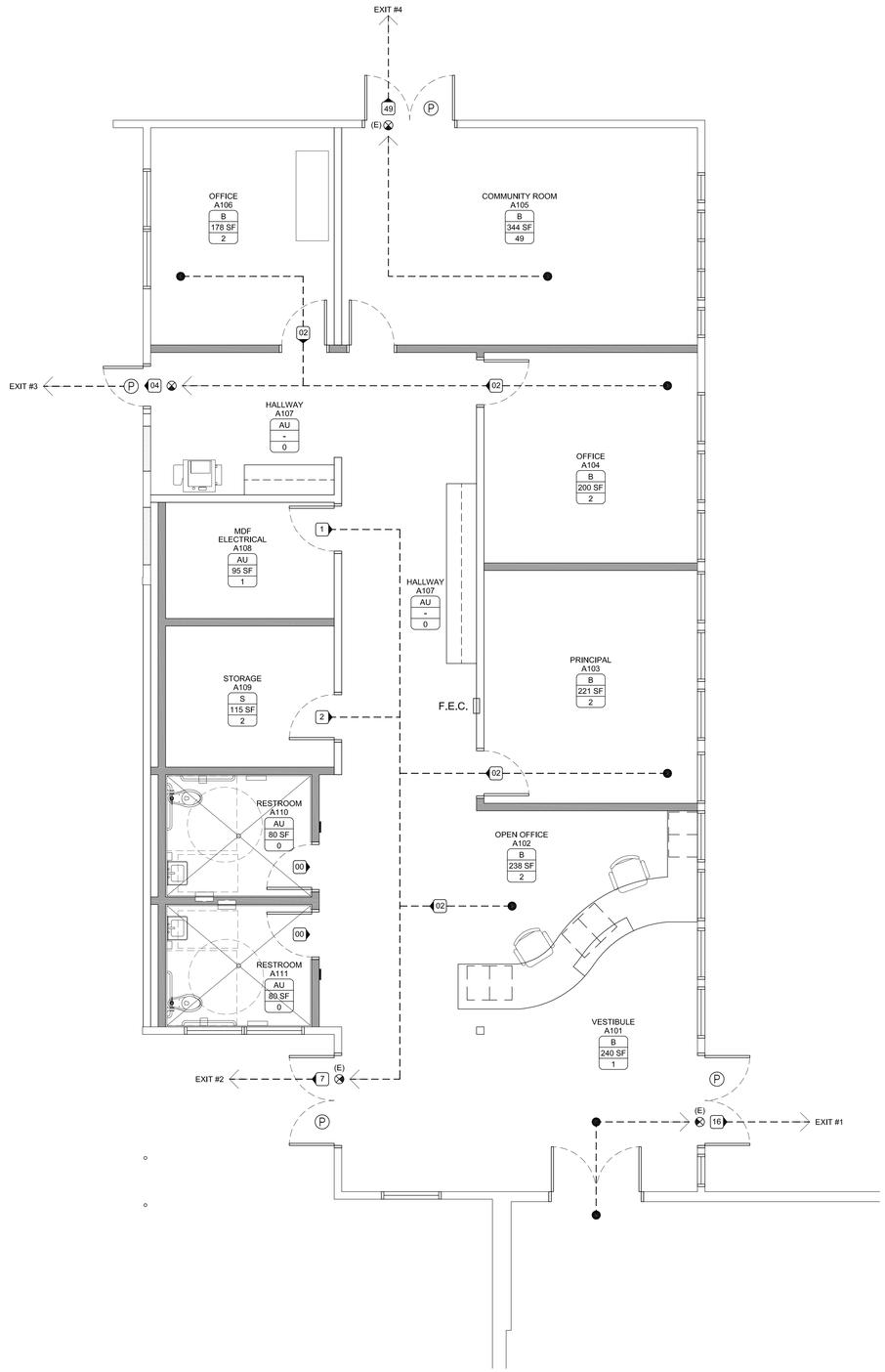
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

FIRE ACCESS SITE PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number A0.3



SCALE: 1/4" = 1'-0"

BULDING A - EGRESS PLAN

1

OCCUPANT LOAD SCHEDULE

CBC TABLE 1004.1.2

NO.	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS
2	BUSINESS AREAS	100 GROSS
3	ASSEMBLY CONCENTRATED	7 NET

EXITING PLAN LEGEND

CLASSROOM F101 E 960 SF 48 {49}

CLASSROOM = ROOM NAME
F101 = ROOM NUMBER
E = OCCUPANCY GROUP
960 SF = FLOOR AREA SQUARE FOOTAGE
48 = OCCUPANT LOAD NUMBER
{40} = CUMULATIVE OCCUPANT LOAD NUMBER

31 NUMBER OF PEOPLE EXITING
31 = OCCUPANT LOAD
(CBC TABLE 1004.1.2)

P (E) PANIC HARDWARE DEVICE

WALL MOUNTED EXIT SIGN, U.O.N

F.E.C. FIRE EXTINGUISHER CAINET w/ FIRE EXTINGUISHER (3A-40B:C)

EXITING NOTES

A. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004 TABLE 1004.1.2

B. ROOM FLOOR AREA NOTED SHALL BE NET AREA IN CLASSROOMS.

C. CONTRACTOR TO TEST AND ADJUST DOOR CLOSER PRESSURE TO 5 POUNDS MAX. OPENING FORCE

D. SIGNAGE PROVIDED AND INSTALLED BY SITE CONTRACTOR PRIOR TO OCCUPANCY, SEE SIGNAGE SCHEDULE AND DETAILS ON SHEET A9.1 & A9.4

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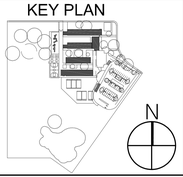
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

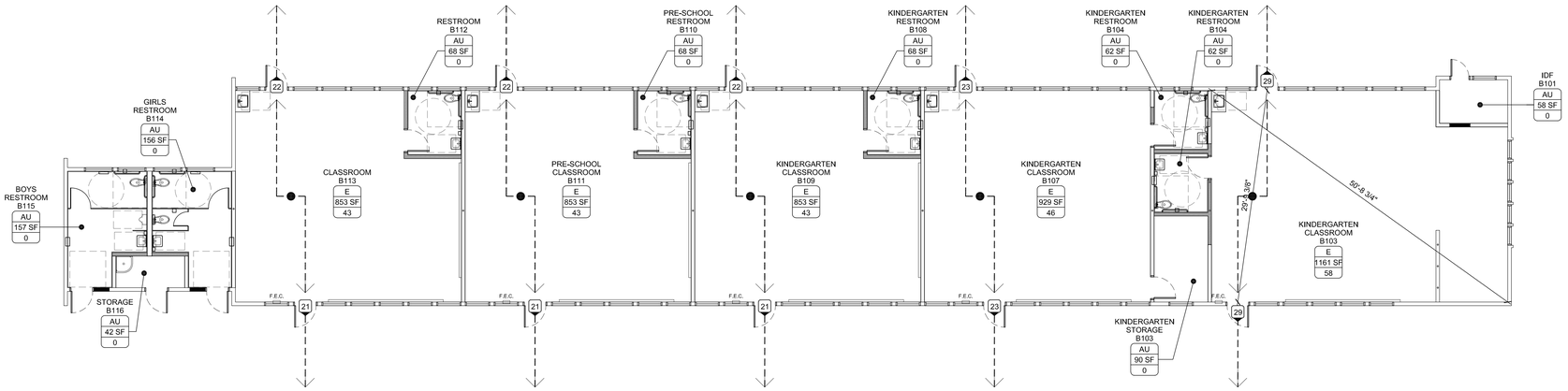
BUILDING A
EGRESS PLAN

Date
03/18/19

Scale
AS NOTED

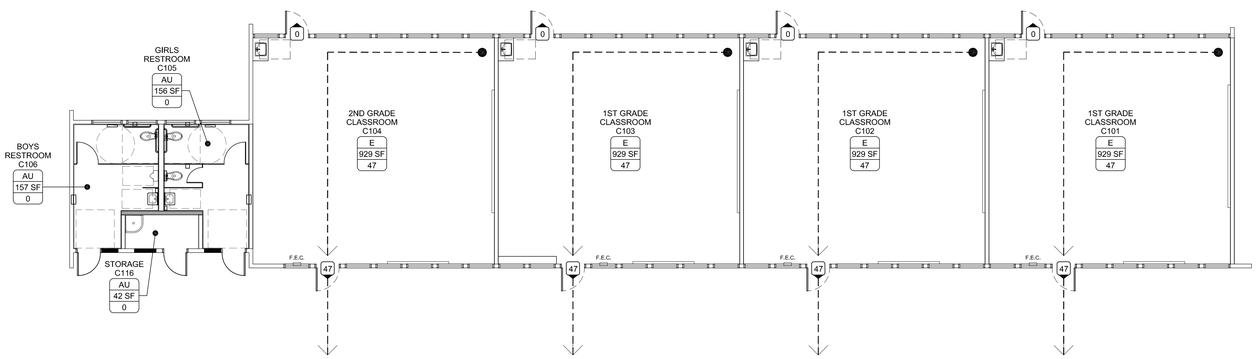
Project Number
19003.1

Drawing Number
A0.4



BULDING B - EGRESS PLAN 1

SCALE: 1/8" = 1'-0"



BULDING C - EGRESS PLAN 2

SCALE: 1/8" = 1'-0"

OCCUPANT LOAD SCHEDULE

CBC TABLE 1004.1.2

1	EDUCATIONAL; CLASSROOM AREA	20 NET

EXITING PLAN LEGEND

CLASSROOM F101 E 960 SF 48 {49}

CLASSROOM = ROOM NAME
F101 = ROOM NUMBER
E = OCCUPANCY GROUP
960 SF = FLOOR AREA SQUARE FOOTAGE
48 = OCCUPANT LOAD NUMBER
{40} = CUMULATIVE OCCUPANT LOAD NUMBER

31 NUMBER OF PEOPLE EXITING
31 = OCCUPANT LOAD
(CBC TABLE 1004.1.2)

F.E.C. FIRE EXTINGUISHER CABINET w/ FIRE EXTINGUISHER (3A-40B:C)

EXITING NOTES

A. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004 TABLE 1004.1.2

B. ROOM FLOOR AREA NOTED SHALL BE NET AREA IN CLASSROOMS.

C. CONTRACTOR TO TEST AND ADJUST DOOR CLOSER PRESSURE TO 5 POUNDS MAX. OPENING FORCE

D. SIGNAGE PROVIDED AND INSTALLED BY SITE CONTRACTOR PRIOR TO OCCUPANCY, SEE SIGNAGE SCHEDULE AND DETAILS ON SHEET A9.1 & A9.4

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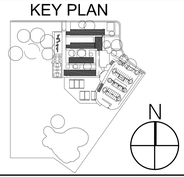
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
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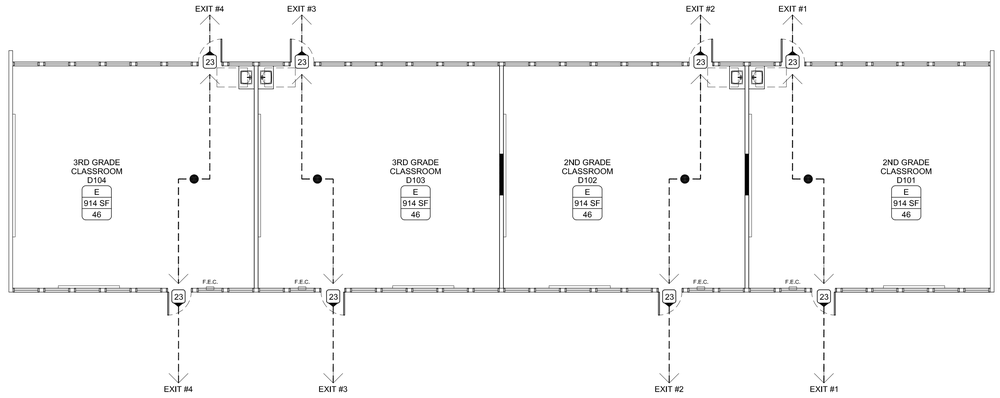
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

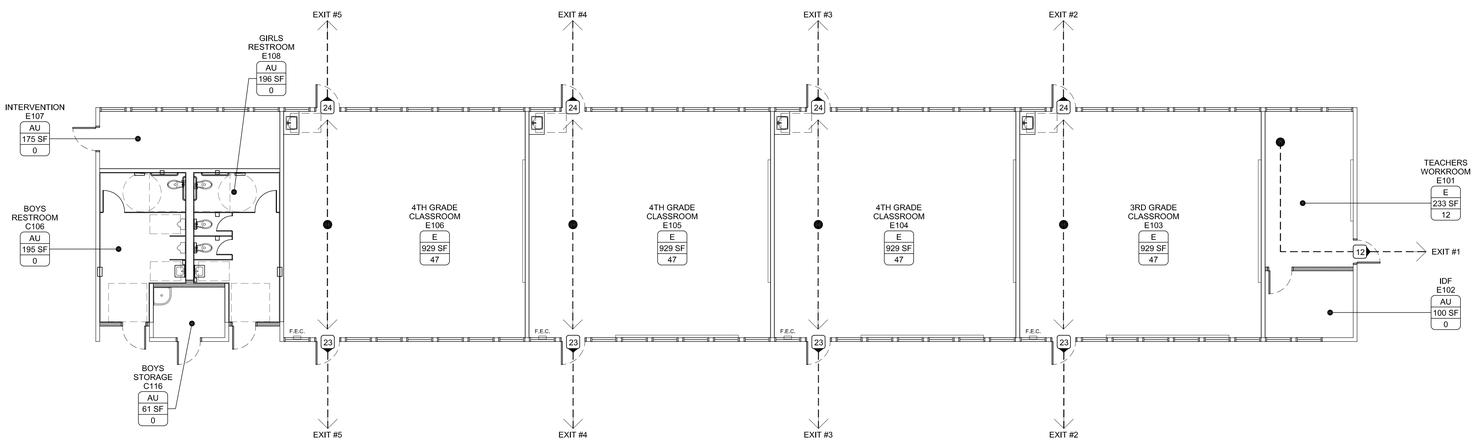
BUILDING B & C
EGRESS PLANS

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number A0.5



BULDING D - EGRESS PLAN 1

SCALE: 1/8" = 1'-0"



BULDING E - EGRESS PLAN 2

SCALE: 1/8" = 1'-0"

OCCUPANT LOAD SCHEDULE

CBC TABLE 1004.1.2

1	EDUCATIONAL; CLASSROOM AREA	20 NET

EXITING PLAN LEGEND

CLASSROOM F101 E 960 SF 48 {49}

CLASSROOM	=	ROOM NAME
F101	=	ROOM NUMBER
E	=	OCCUPANCY GROUP
960 SF	=	FLOOR AREA SQUARE FOOTAGE
48	=	OCCUPANT LOAD NUMBER
{40}	=	CUMULATIVE OCCUPANT LOAD NUMBER

31 NUMBER OF PEOPLE EXITING
31 = OCCUPANT LOAD
(CBC TABLE 1004.1.2)

F.E.C. FIRE EXTINGUISHER CABINET W/ FIRE EXTINGUISHER (3A-40B:C)

EXITING NOTES

A. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004 TABLE 1004.1.2

B. ROOM FLOOR AREA NOTED SHALL BE NET AREA IN CLASSROOMS.

C. CONTRACTOR TO TEST AND ADJUST DOOR CLOSER PRESSURE TO 5 POUNDS MAX. OPENING FORCE

D. SIGNAGE PROVIDED AND INSTALLED BY SITE CONTRACTOR PRIOR TO OCCUPANCY, SEE SIGNAGE SCHEDULE AND DETAILS ON SHEET A9.1 & A9.4

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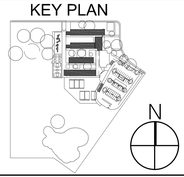
○ CONSTRUCTION	

KEY PLAN



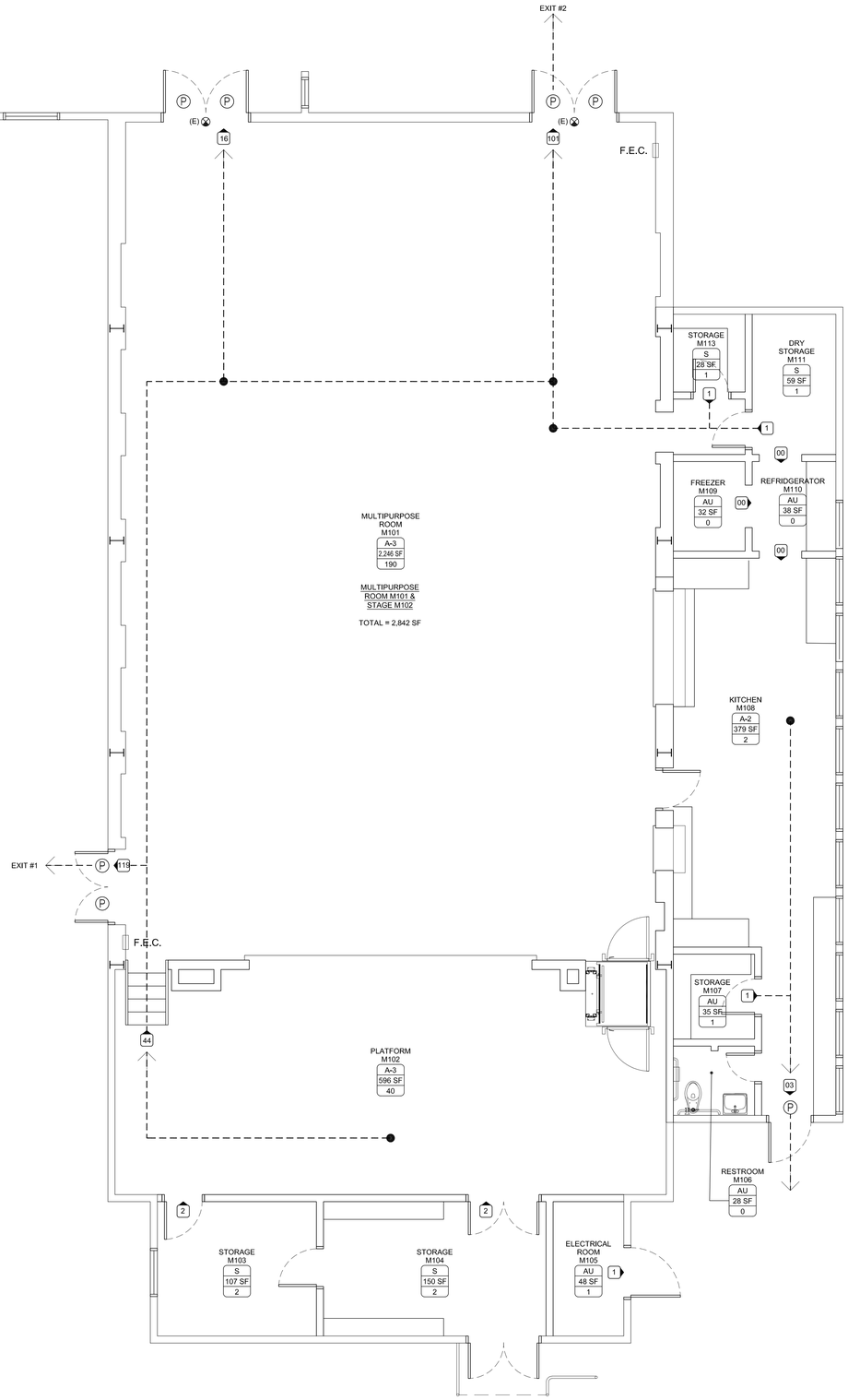
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING D & E
EGRESS PLANS

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number A0.6



BULDING A - EGRESS PLAN 1

SCALE: 1/4" = 1'-0"

MEANS OF EGRESS SIZING

PER CBC 2016 SECTION 1005.3.2

EXIT #1
PROVIDES EGRESS FOR
MULTIPURPOSE 101 & STAGE 102

TOTAL OCCUPANCY	96 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	19.2 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	72 INCHES OR 6'-0"

EXIT #2
PROVIDES EGRESS FOR
MULTIPURPOSE 101 & STAGE 102

TOTAL OCCUPANCY	97 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	19.4 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	72 INCHES OR 6'-0"

OCCUPANT LOAD SCHEDULE

CBC TABLE 1004.1.2

NO.	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS
2	ASSEMBLY WITHOUT FIXED SEATS UNCONCENTRATED	15 NET
3	KITCHENS; COMMERCIAL	200 GROSS

EXITING PLAN LEGEND

CLASSROOM F101 E 960 SF 48 {49}

CLASSROOM	=	ROOM NAME
F101	=	ROOM NUMBER
E	=	OCCUPANCY GROUP
960 SF	=	FLOOR AREA SQUARE FOOTAGE
48	=	OCCUPANT LOAD NUMBER
{40}	=	CUMULATIVE OCCUPANT LOAD NUMBER

31 NUMBER OF PEOPLE EXITING
31 = OCCUPANT LOAD
(CBC TABLE 1004.1.2)

P (E) PANIC HARDWARE DEVICE

WALL MOUNTED EXIT SIGN, U.O.N

EXITING NOTES

A. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004 TABLE 1004.1.2

B. ROOM FLOOR AREA NOTED SHALL BE NET AREA IN CLASSROOMS.

C. CONTRACTOR TO TEST AND ADJUST DOOR CLOSER PRESSURE TO 5 POUNDS MAX. OPENING FORCE

D. SIGNAGE PROVIDED AND INSTALLED BY SITE CONTRACTOR PRIOR TO OCCUPANCY, SEE SIGNAGE SCHEDULE AND DETAILS ON SHEET A9.1 & A9.3

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DATE: 05/29/2019

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Rev. 9/30/19 STATE OF CALIFORNIA	

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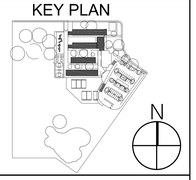
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

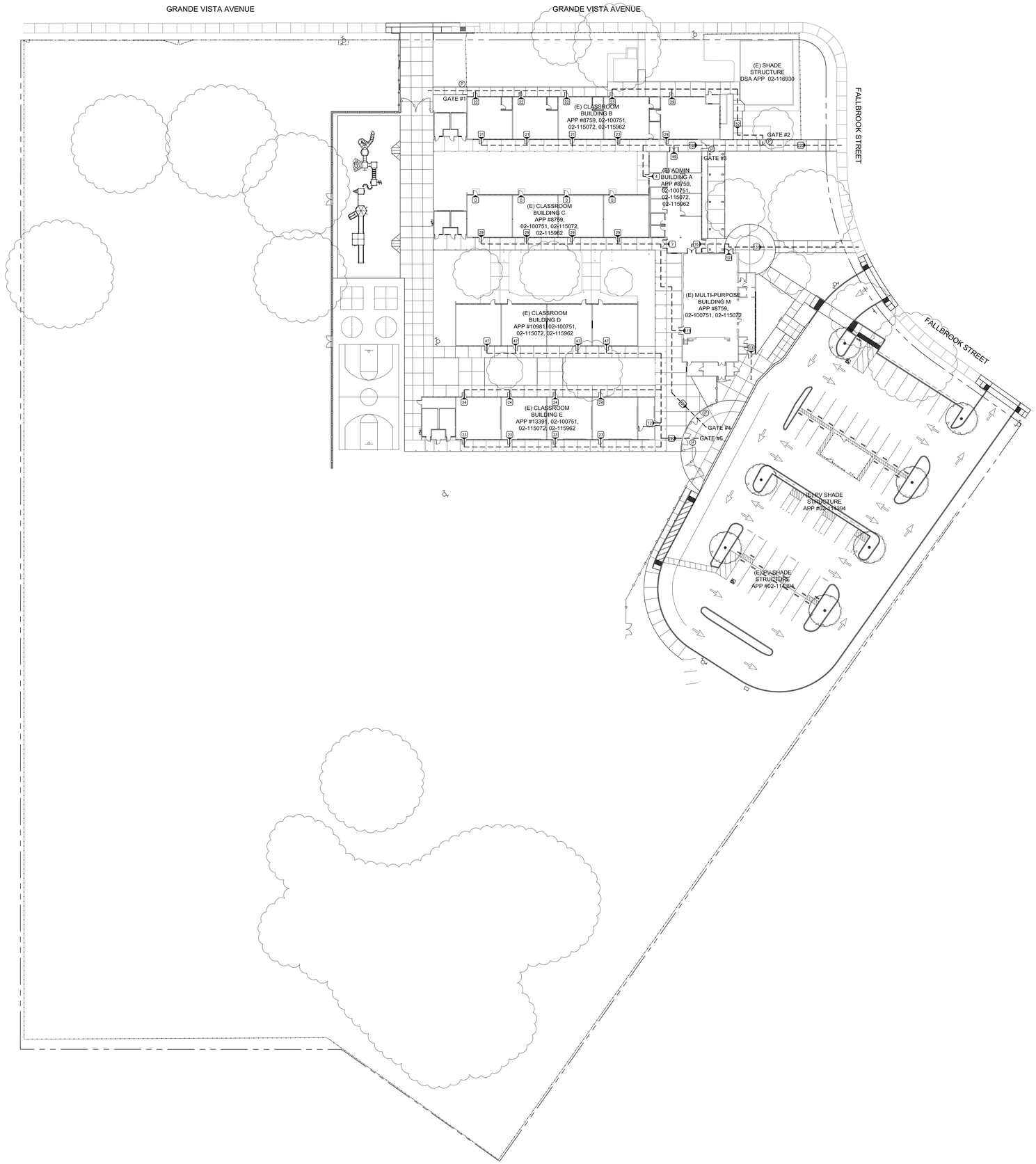
BUILDING M
EGRESS PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
A0.7



N

SCALE: 1" = 30'-0"

SITE EGRESS PLAN 1

MEANS OF EGRESS SIZING

PER CBC 2016 SECTION 1005.3.2

GATE #1	
TOTAL OCCUPANCY	66 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	13.2 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	36 INCHES OR 3'-0"

GATE #2	
TOTAL OCCUPANCY	52 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	10.4 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	36 INCHES OR 3'-0"

(E) GATE #3 DSA APPLICATION 02-116930	
TOTAL OCCUPANCY	168 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	33.6 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	48 INCHES OR 4'-0"

GATE #4	
TOTAL OCCUPANCY	399 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	79.8 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	96 INCHES OR 8'-0"

GATE #5	
TOTAL OCCUPANCY	292 OCC.
MEANS OF EGRESS CAPACITY FACTOR	0.2 INCH PER OCCUPANT
TOTAL CAPACITY OF MEANS OF EGRESS REQUIRED (OCC. X 0.2)	58.4 INCHES
TOTAL CAPACITY OF MEANS OF EGRESS PROVIDED	96 INCHES OR 8'-0"

EXITING PLAN LEGEND

31 NUMBER OF PEOPLE EXITING
31 = OCCUPANT LOAD
(CBC TABLE 1004.1.2)

P PANIC HARDWARE DEVICE

EXITING NOTES

A. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004 TABLE 1004.1.2

B. ROOM FLOOR AREA NOTED SHALL BE NET AREA IN CLASSROOMS.

C. CONTRACTOR TO TEST AND ADJUST DOOR CLOSER PRESSURE TO 5 POUNDS MAX. OPENING FORCE

D. SIGNAGE PROVIDED AND INSTALLED BY SITE CONTRACTOR PRIOR TO OCCUPANCY, SEE SIGNAGE SCHEDULE AND DETAILS ON SHEET A9.1 & A9.4

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
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DATE: 05/29/2019

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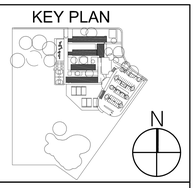

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SITE EGRESS PLAN

Date
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EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- = PROPERTY CORNER FOUND AS NOTED
- = PROPERTY CORNER NOTHING FOUND OR SET
- 123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = *SLOPE*
- 100 = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = *SIGN*
- = POST OR BOLLARD
- 99.9 = GROUND ELEVATION
- 99.99 = HARD SURFACE ELEVATION

EXISTING UTILITIES

- 12"SD = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- 12"SD = STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD = STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = *drop inlet*
- = AREA DRAIN
- RWL = RAIN WATER LEADER
- DS = *downspout*
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- W = WATER LINE (SIZE INDICATED)
- W = WATER LINE (RECORD INFORMATION)
- W = WATER LINE (UNDERGROUND LOCATING)
- W = WATER MANHOLE
- = *water valve*
- = WATER METER
- = *water box*
- = IRRIGATION CONTROL VALVE
- = FIRE HYDRANT
- = BACKFLOW PREVENTER
- = *SPRINKLER*
- = *hose bibb*
- OH-E = OVERHEAD ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- = ELECTRIC METER
- = ELECTRIC BOX
- = STREET LIGHTING BOX
- OR = LIGHT STANDARD
- = SIGNAL LIGHT
- = FLOOD LIGHT
- = ELECTRICAL OUTLET
- G = GAS LINE (SIZE INDICATED)
- G = GAS LINE (RECORD INFORMATION)
- G = GAS LINE (UNDERGROUND LOCATING)
- = GAS MANHOLE
- = *GAS VALVE*
- = *GAS METER*
- T = TELEPHONE LINE
- T = TELEPHONE LINE (RECORD INFORMATION)
- T = TELEPHONE LINE (UNDERGROUND LOCATING)
- = STORM DRAIN BOX
- = TRAFFIC SIGNAL BOX

TOPGRAPHIC SURVEY ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACR	ASPHALTIC CONCRETE RAMP
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
APP	APPARATUS
ARV	AIR RELEASE VALVE
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR	BRICK
BWF	BARBED WIRE FENCE
C	COMMUNICATION
CAB	CABINET
CATV	CABLE TELEVISION
CB	COMMUNICATIONS BOX
CIP	CAPPED IRON PIPE
C/L	CENTERLINE
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC.	CONCRETE
COND.	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
D	DEPTH
DDC	DOUBLE DETECTOR CHECK VALVE
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EB	ELECTRICAL BOX
ESMT	EASEMENT
EX	EXISTING
F	FIRE LINE
FA	FIRE ALARM
FB	FIRE BOX
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FP	FLAGPOLE
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GR	GRATE
GRB	GROUND ROD BOX
GRD	GRADE ELEVATION
GROD	GROUND ROD
GV	GAS VALVE
H	HYDRONICS
HB	HOSE BIBB
HBB	HOSE BIBB BOX
HBD	HEADER BOARD
HR	HANDRAIL
ICP	IRRIGATION CONTROL PANEL
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LF	LINEAL FEET
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M	METAL
MH	MANHOLE
MR	METAL RAMP
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
NTS	NOT TO SCALE
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PD	PLANTER DRAIN
PH	POSTHOLE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PRKG	PARKING
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
R	RUBBER
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RR	RUBBER RAMP
RW	RETAINING WALL
RWD	REDWOOD
RWL	RAIN WATER LEADER
SB	SIGNAL BOX
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
STL.	STEEL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TOW	TOP OF WALL
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
UG	UNDERGROUND
UNK	UNKNOWN
UON	UNLESS OTHERWISE NOTED
VBALL	VOLLEYBALL
W	WATER
W/	WITH
W/O	WITHOUT
WD.	WOOD
W.I.F.	WROUGHT IRON FENCE
XF	TRANSFORMER
XWALK	CROSSWALK

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS PK+SHINER	9667.87	10893.61	17.20
2	CPS CHISELED "+"	9672.72	10629.41	18.03
3	CPS PK+SHINER	9583.82	10708.33	16.49
4	CPS CHISELED "+"	9441.37	10837.35	16.36
5	CPS CHISELED "+"	9738.83	11058.00	17.50
6	CPS CHISELED "+"	9895.71	10971.56	17.54
7	CPS CHISELED "+"	9824.71	10811.81	19.22
8	CPF PK NAIL	9670.95	10865.64	17.76
9	CPF PK NAIL	9738.98	10855.76	18.78
10	CPF CHISELED "+"	9739.27	10844.09	18.83
11	CPS PICKER	9795.69	11002.65	17.52
12	CPF CHISELED "+"	9965.64	10967.96	17.32
13	CPS MAG NAIL	9646.55	10843.59	17.88
14	CPF PICKER	9824.48	10987.34	17.50
17	CPS MAG NAIL	9810.79	10850.70	19.18
19	CPF NAIL+SHINER	10000.32	11017.51	17.62
25	CPS PICKER	9546.93	10517.18	15.80
26	CPS PK+WASHER	9830.19	10636.25	17.77
27	CPS CHISELED "+"	9897.41	10684.03	19.30
28	CPS CHISELED "+"	9856.38	11017.89	17.72
31	CPS CHISELED "+"	10816.02	10217.15	13.78
32	CPS CHISELED "+"	10032.93	10267.00	15.68
33	CPS CHISELED "+"	11254.66	10213.01	14.93
34	CPF NAIL CL INT	11247.27	10235.91	15.09
35	CPS CHISELED "+"	11073.40	10209.28	14.93
36	CPS CHISELED "+"	10954.63	10209.26	14.45
37	CPF CL INTERSEC	10816.63	10235.72	14.46
38	CPS CHISELED "+"	10739.74	10257.00	14.23
39	CPS CHISELED "+"	10560.90	10256.82	14.59
40	CPS CHISELED "+"	10435.71	10256.77	14.77
41	CPS CHISELED "+"	10272.50	10256.64	15.14
42	CPS CHISELED "+"	10161.65	10256.54	15.20
43	CPF CL INTERSEC	10000.13	10235.31	15.92
44	CPF NAIL CL INT	9999.89	9999.98	15.91
45	CPS CHISELED "+"	9975.17	10043.44	15.67
46	CPS CHISELED "+"	9970.40	11011.13	17.44
47	CPF PK AT FLIGHTX	9982.51	10594.70	16.62

A.P.N. 058-220-043

BENCHMARK NO: C17-01 ELEV. 13.32

FOUND A 3¼" BRASS DISK SET IN A STANDARD MONUMENT BOX STAMPED: CITY OF WEST SACRAMENTO VERTICAL AND HORIZONTAL CONTROL POINT C17-01, RCE 30639, 1993. LOCATED ALONG THE APPROX. C/L OF MOSSWOOD CIR., 204' SOUTHERLY OF THE C/L OF LAKEWOOD DR.

GENERAL NOTES:

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

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL ABBREVIATIONS AND LEGEND

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
F'S	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD = STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- = STORM DRAIN MANHOLE (SDMH)
- = CATCH BASIN (CB)
- = DROP INLET (DI)
- = AREA DRAIN (AD)
- = PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO = STORM DRAIN CLEANOUT
- 99.99 = ELEVATION
- FF=100.00 = FINISHED FLOOR ELEVATION
- PAD=99.33 = BUILDING PAD ELEVATION
- = CONCRETE SIDEWALK
- = GRADED DIRECTION FOR DRAINAGE FLOW
- = SWALE
- = SLOPE
- = TREE TO BE REMOVED
- = RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 6" SS = SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- = SANITARY SEWER MANHOLE (SSMH)
- CO = SEWER CLEANOUT FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W = WATER LINE & SIZE
- 8" FS = FIRE LINE & SIZE
- 8" DW = DOMESTIC WATER LINE & SIZE
- 8" RW = RECLAIMED WATER LINE & SIZE
- 8" IRR = IRRIGATION SERVICE LINE & SIZE
- 8" NP = NON POTABLE WATER LINE & SIZE
- 8" SP = FIRE SPRINKLER SERVICE LINE & SIZE
- = GATE VALVE
- M = WATER METER
- FH = FIRE HYDRANT ASSEMBLY
- Y FDC = FIRE DEPARTMENT CONNECTION
- DC = DETECTOR CHECK VALVE
- DDC = DOUBLE DETECTOR CHECK VALVE
- RP = REDUCED PRESSURE BACKFLOW PREVENTER
- = BUTTERFLY VALVE
- 1" = AIR RELEASE VALVE + SIZE
- 1" = BLOW-OFF VALVE + SIZE
- PIV = POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING OR BLASTING SHALL BE PERMITTED.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
7. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTEND.
8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
10. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

CONCRETE SAWCUT NOTE

SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WITHROW No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74568 STATE OF CALIFORNIA

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○ BIDDING	
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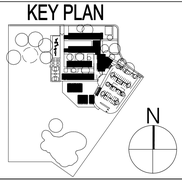
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
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WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEM

VISTA AVENUE

HAVER STREET

GRANDE VISTA AVENUE

FALLBROOK STREET

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

BASIS OF BEARINGS:
WESTMORE OAKS NO. 2, RECORDED IN 4 MAPS 74

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND RECORD INFORMATION.

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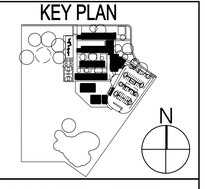

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TOPOGRAPHIC SURVEY

Date
03/01/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
C0.2

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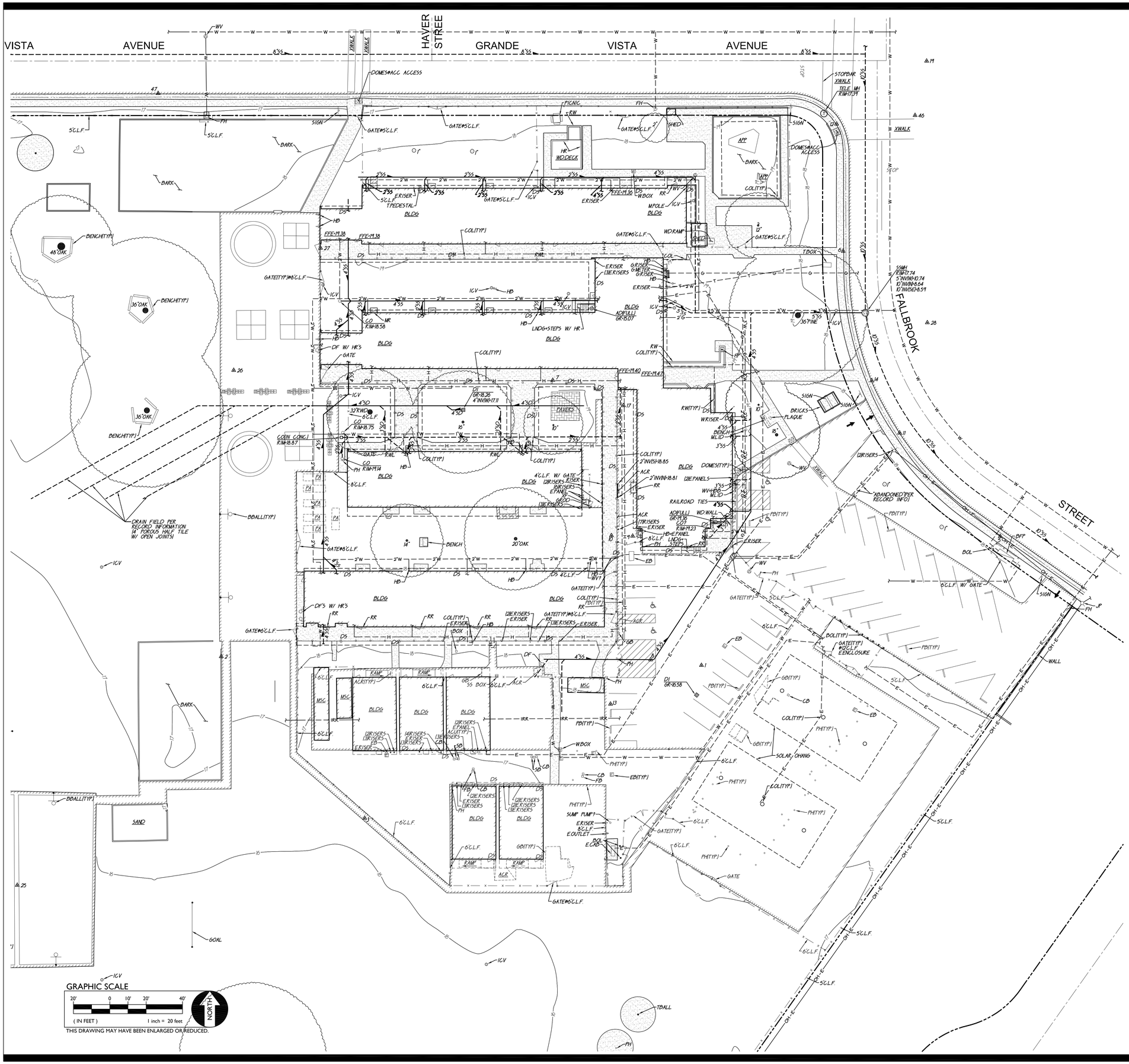

BASIS OF BEARINGS:
WESTMORE OAKS NO. 2, RECORDED IN 4 MAPS 74

NOTE:
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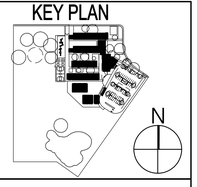
KEY PLAN



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CONSTRUCTION DOCUMENTS

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UTILITY SURVEY

Date
03/01/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
C0.3

FILENAME: I:\19-022\CIVIL\DWG\19-022-C02-C03.DWG

DEMOLITION NOTES

1. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
2. REMOVE EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
3. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS AND ASSOCIATED FOOTINGS.
4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
5. EXISTING TREE TO REMAIN.
6. REMOVE AND DISPOSE OF EXISTING SEAT WALL AND ASSOCIATED FOOTINGS.
7. REMOVE AND DISPOSE OF EXISTING POST HOLE AND FOOTING.
8. EXISTING SOLAR ARRAY AND COLUMNS TO REMAIN.
9. REMOVE AND DISPOSE OF EXISTING BASKETBALL HOOP AND ASSOCIATED FOOTINGS.
10. REMOVE AND DISPOSE OF EXISTING PLANTER BOX.
11. EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
12. REMOVE AND DISPOSE OF EXISTING PAVERS.
13. REMOVE AND DISPOSE OF EXISTING TETHERBALL POST AND FOOTING.
14. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO LIMITS SHOWN.
15. REFER TO ARCHITECTURAL PLANS FOR SELECTIVE DEMOLITION WITHIN BUILDINGS.
16. CAP AND ABANDON EXISTING STORM DRAIN PIPE IN PLACE.
17. REMOVE AND DISPOSE OF EXISTING SEWER PIPE TO LIMITS SHOWN.
18. REMOVE AND DISPOSE OF EXISTING DOMESTIC WATER PIPE TO LIMITS SHOWN.
19. REMOVE AND DISPOSE OF EXISTING PORTABLE BUILDING, WOOD FOUNDATIONS AND ASSOCIATED RAMP. REMOVE UTILITIES BACK TO SERVICE POINT AND OUTSIDE LIMITS OF NEW WORK.
20. REMOVE EXISTING STORAGE CONTAINER AND RETURN TO DISTRICT.
21. CAP END OF PIPE.
22. REMOVE AND DISPOSE OF EXISTING BARK AND/OR SAND MATERIAL IN APPARATUS PLAY AREA.
23. TEMPORARILY REMOVE EXISTING STORAGE SHED FOR PLACEMENT OF IMPROVEMENTS. PLACE BACK FOLLOWING CONCRETE PLACEMENT.

SAVE

SEE VIEW "A"

VIEW "A"

SCALE 1"=20'

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74686 STATE OF CALIFORNIA

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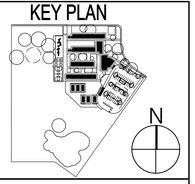
○ CONSTRUCTION	

KEY PLAN



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DEMOLITION PLAN

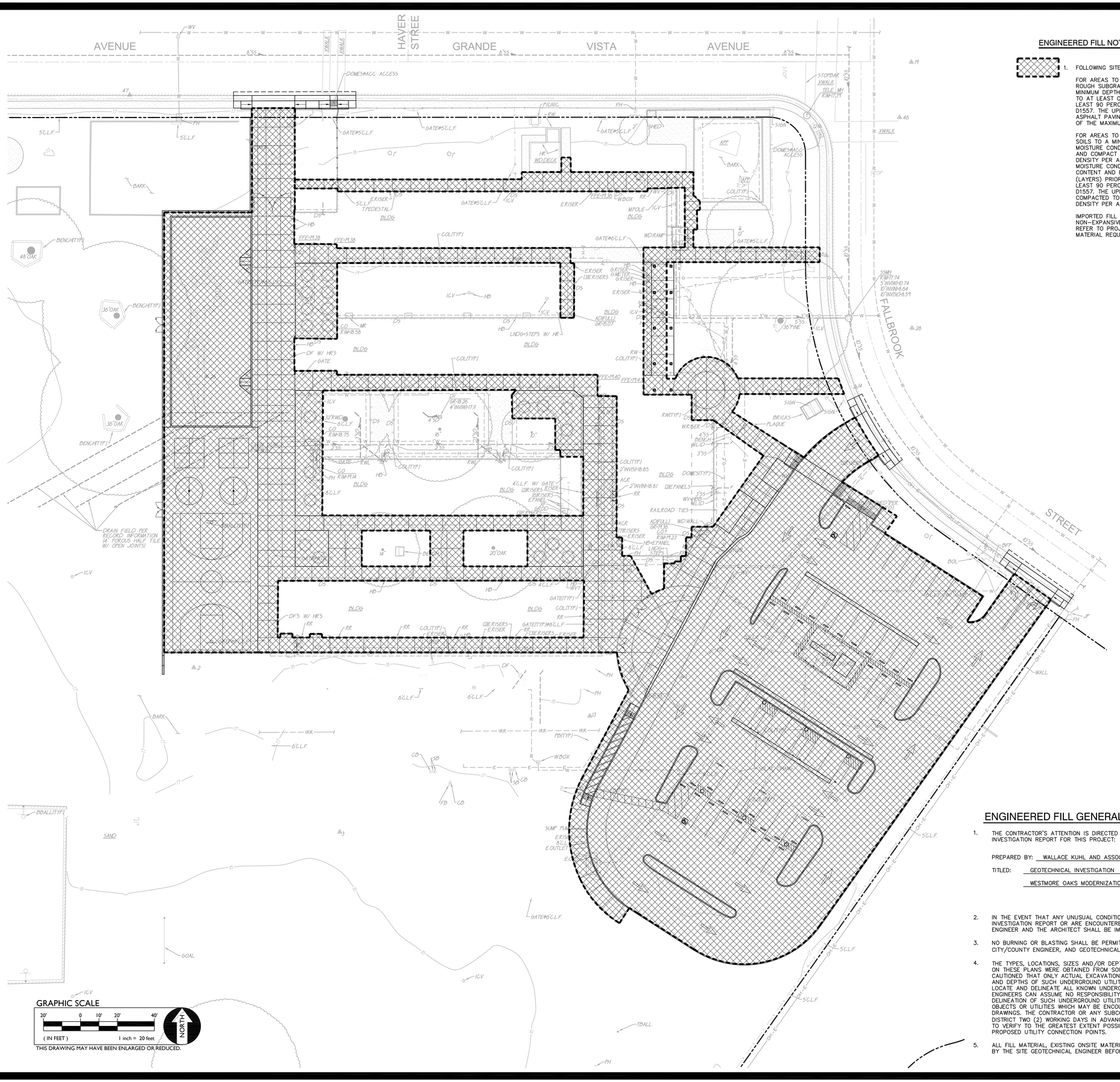
Date
03/01/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
C1.1

FILENAME:I:\19-022\CIVIL\DWG\19-022-C11.DWG



ENGINEERED FILL NOTES

1. FOLLOWING SITE CLEARING, STRIPPING AND DEMOLITION ACTIVITIES:

   FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. THE UPPER 6 INCHES OF PROPOSED SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE UNIFORMLY MOISTURE CONDITIONED TO AT LEAST THE OPTIMUM MOISTURE CONTENT AND PLACED IN MAXIMUM 8 INCH THICK, LOOSE LIFTS (LAYERS) PRIOR TO COMPACTING. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. THE UPPER 6 INCHES OF FILL IN PAVED AREAS SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   IMPORTED FILL MATERIAL SHALL BE PREDOMINANTLY GRANULAR, NON-EXPANSIVE, AND FREE OF DELETERIOUS OR ORGANIC MATERIAL. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL IMPORT MATERIAL REQUIREMENTS.

ENGINEERED FILL GENERAL NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT:

   PREPARED BY: WALLACE KUHL AND ASSOCIATES PROJECT NO.: 12277.01P

   TITLED: GEOTECHNICAL INVESTIGATION

   WESTMORE OAKS MODERNIZATION DATED: APRIL 2, 2019

2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.

3. NO BURNING OR BLASTING SHALL BE PERMITTED, UNLESS APPROVED BY THE ARCHITECT AND CITY/COUNTY ENGINEER, AND GEOTECHNICAL ENGINEER OF RECORD.

4. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

5. ALL FILL MATERIAL, EXISTING ONSITE MATERIAL OR IMPORTED, SHALL BE REVIEWED AND APPROVED BY THE SITE GEOTECHNICAL ENGINEER BEFORE USED AS ENGINEERED FILL.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

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ARCHITECT	ENGINEER
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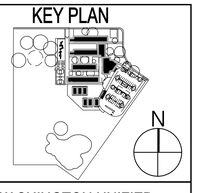
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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CONSTRUCTION DOCUMENTS

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ENGINEERED FILL PLAN

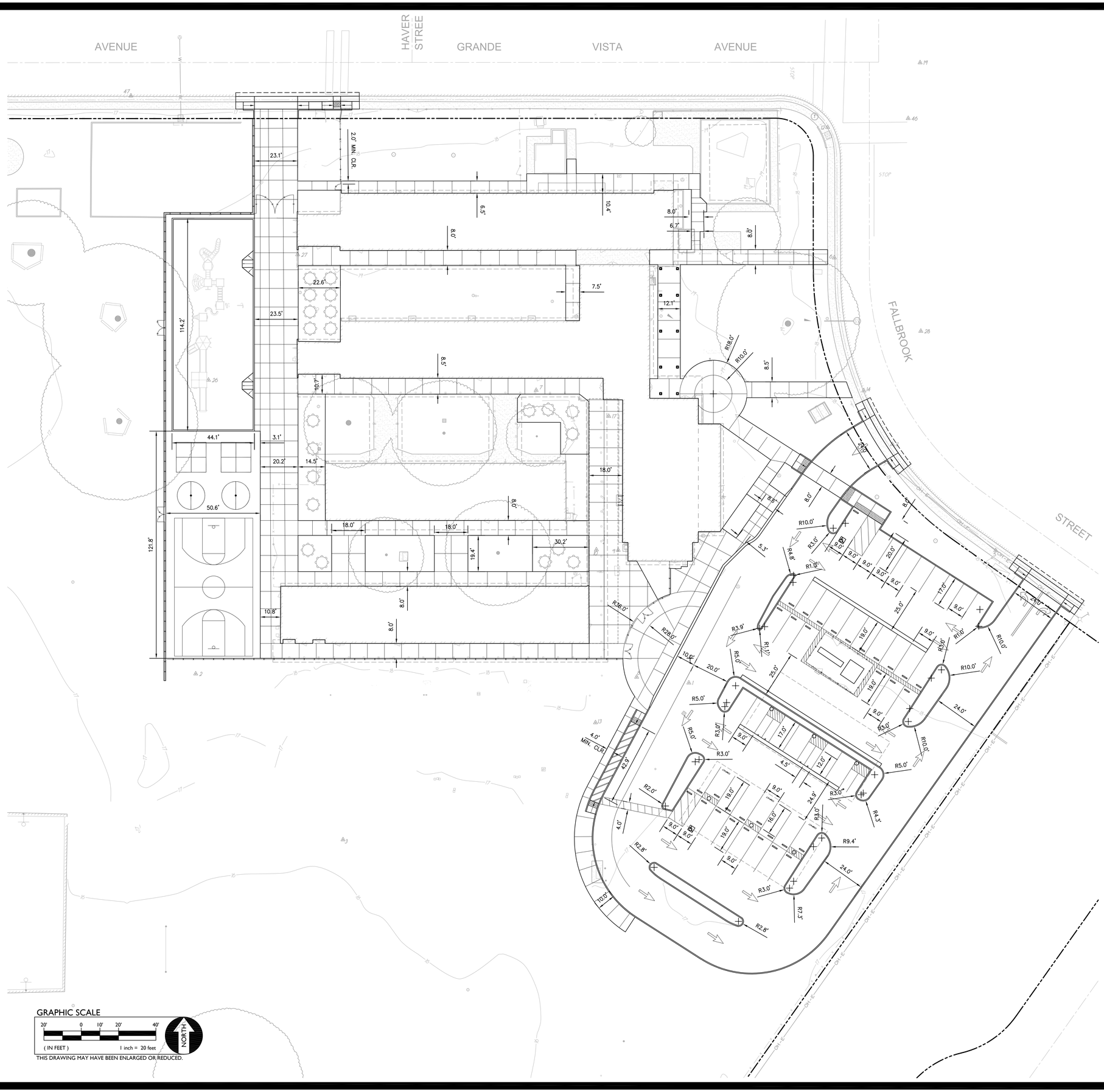
Date 03/01/19

Drawing Number **C1.2**

Scale AS NOTED

Project Number 19003.1

FILENAME: I:\19-022\CIVIL\DWG\19-022-C12.DWG



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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74686 STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
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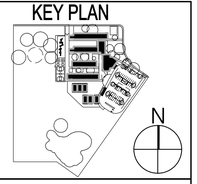
KEY PLAN



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HORIZONTAL
CONTROL PLAN

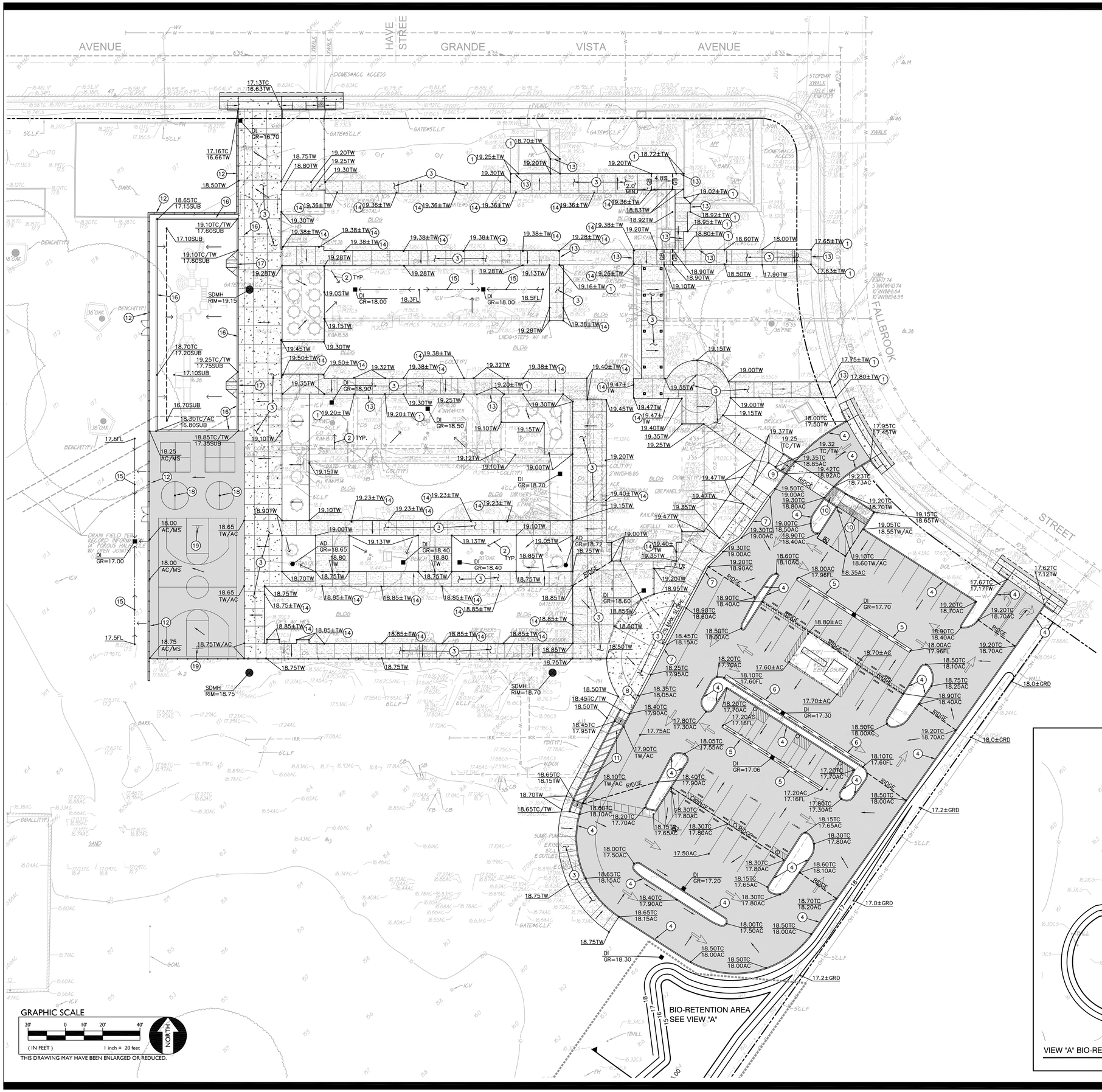
Date
03/01/19

Scale
AS NOTED

Project Number
19003.1

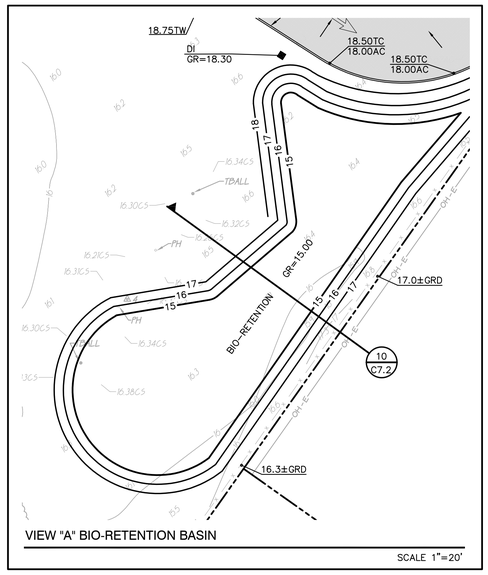
Drawing Number
C1.3

FILENAME: I:\19-022\CIVIL\DWG\19-022-C13.DWG



GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. GRADE UNIFORMLY TO INLET AND/OR SWALE.
3. CONSTRUCT CONCRETE SIDEWALK PER 1 C7.1
4. CONSTRUCT CONCRETE CURB PER 2 C7.1
5. CONSTRUCT CONCRETE VALLEY GUTTER PER 3 C7.1
6. CONSTRUCT CONCRETE CURB AND GUTTER PER 4 C7.1
7. CONSTRUCT CONCRETE ROLLED CURB AND SIDEWALK PER 5 C7.1
8. TRANSITION FROM VERTICAL TO ROLLED CURB.
9. CONSTRUCT ACCESSIBLE CURB RAMP PER 6 C7.1
10. PLACE TRUNCATED DOMES PER 7 C7.1
11. CONSTRUCT LOADING/UNLOADING ZONE PER 8 C7.1
12. CONSTRUCT 12" WIDE CONCRETE BAND AND FENCING PER 9 C7.1
13. DOWEL INTO EXISTING CONCRETE PER 1 C7.1
14. PROPOSED SIDEWALK ELEVATION SHALL MEET FLUSH WITH EXISTING FINISH FLOOR ELEVATION.
15. CONSTRUCT SWALE.
16. CONSTRUCT APPARATUS CURB PER 10 C7.1
17. CONSTRUCT APPARATUS CURB RAMP PER 11 C7.1
18. PLACE TETHERBALL POST PER 12 C7.2
19. PLACE BASKETBALL POST AND STANDARD PER 13 C7.2



GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74566 STATE OF CALIFORNIA

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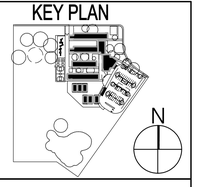

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CONSTRUCTION DOCUMENTS

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GRADING PLAN

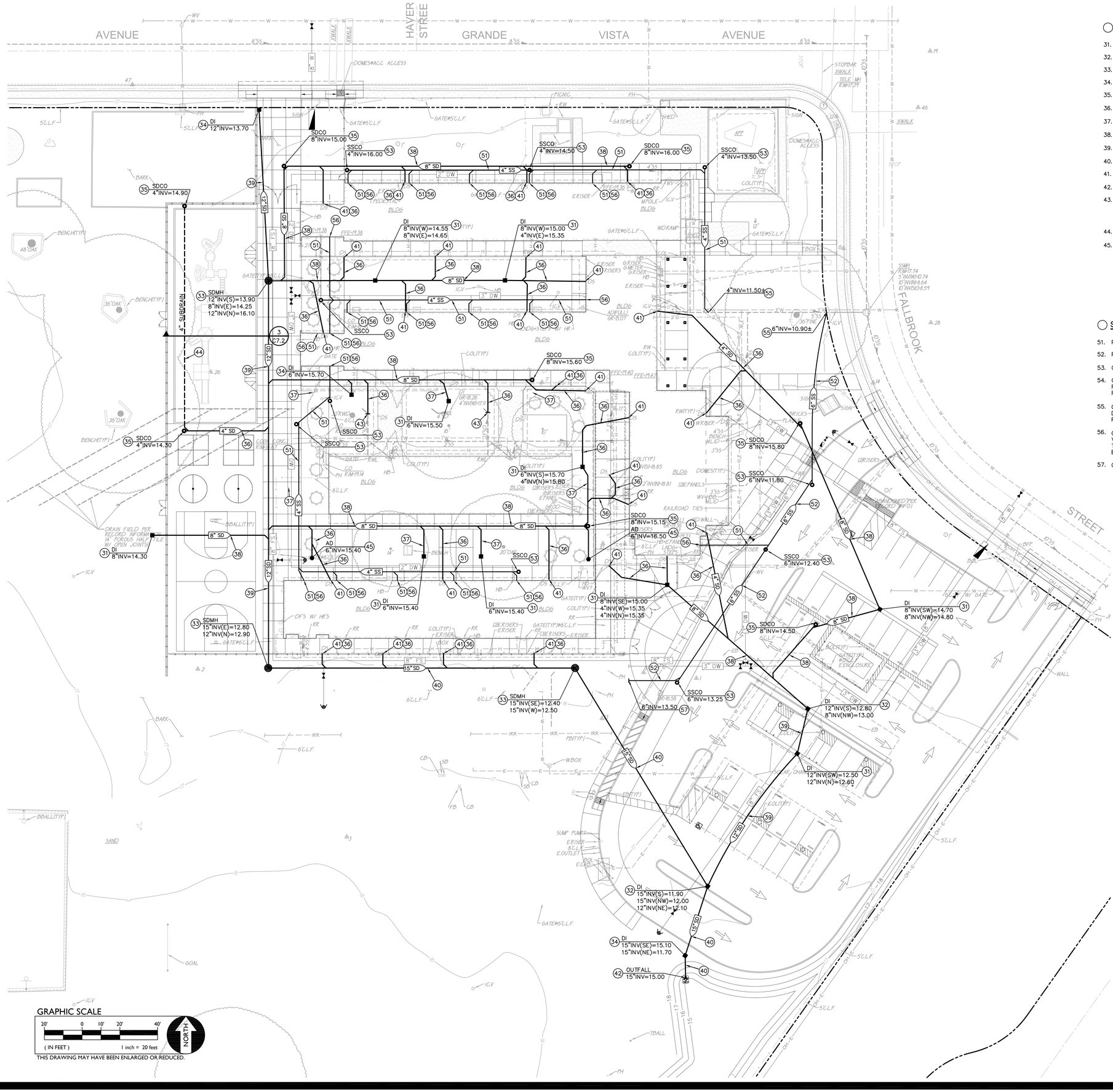
Date
03/01/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
C2.1

FILENAME:I:\19-022\CIVIL\DWG\19-022-C21.DWG



DRAINAGE NOTES

31. CONSTRUCT DROP INLET PER (12 C7.1)
32. CONSTRUCT CURB INLET PER (13 C7.1)
33. CONSTRUCT STORM DRAIN MANHOLE PER (15 C7.1)
34. CONSTRUCT TYPE 2 DROP INLET PER (16 C7.1)
35. CONSTRUCT STORM DRAIN CLEANOUT PER (14 C7.1)
36. PLACE 4" STORM DRAIN PER
37. PLACE 6" STORM DRAIN PER
38. PLACE 8" STORM DRAIN PER
39. PLACE 12" STORM DRAIN PER
40. PLACE 15" STORM DRAIN PER
    (36–40: 17 C7.1)
41. PROVIDE DOWNSPOUT CONNECTION PER (1 C7.2)
42. CONSTRUCT 15" OUTFALL STRUCTURE PER (2 C7.2)
43. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
44. PLACE 4" APPARATUS SUBDRAIN PER (3 C7.2)
45. PLACE AREA DRAIN PER (11 C7.2)

SEWER NOTES

51. PLACE 4" SEWER PER (17 C7.1)
52. PLACE 6" SEWER PER (17 C7.1)
53. CONSTRUCT SEWER CLEANOUT PER (14 C7.1)
54. CONNECT TO BUILDING SEWER SERVICE. REFER TO PLUMBING PLANS FOR EXACT DEPTH AND LOCATION. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
55. CONNECT TO EXISTING SEWER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
56. CONNECT TO BUILDING'S EXISTING SEWER SERVICE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE 2–WAY CLEANOUT WITHIN 5FT OF BUILDING PER (4 C7.2)
57. CAP END AND MARK FOR FUTURE CONNECTION.

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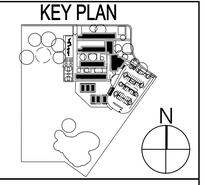
KEY PLAN



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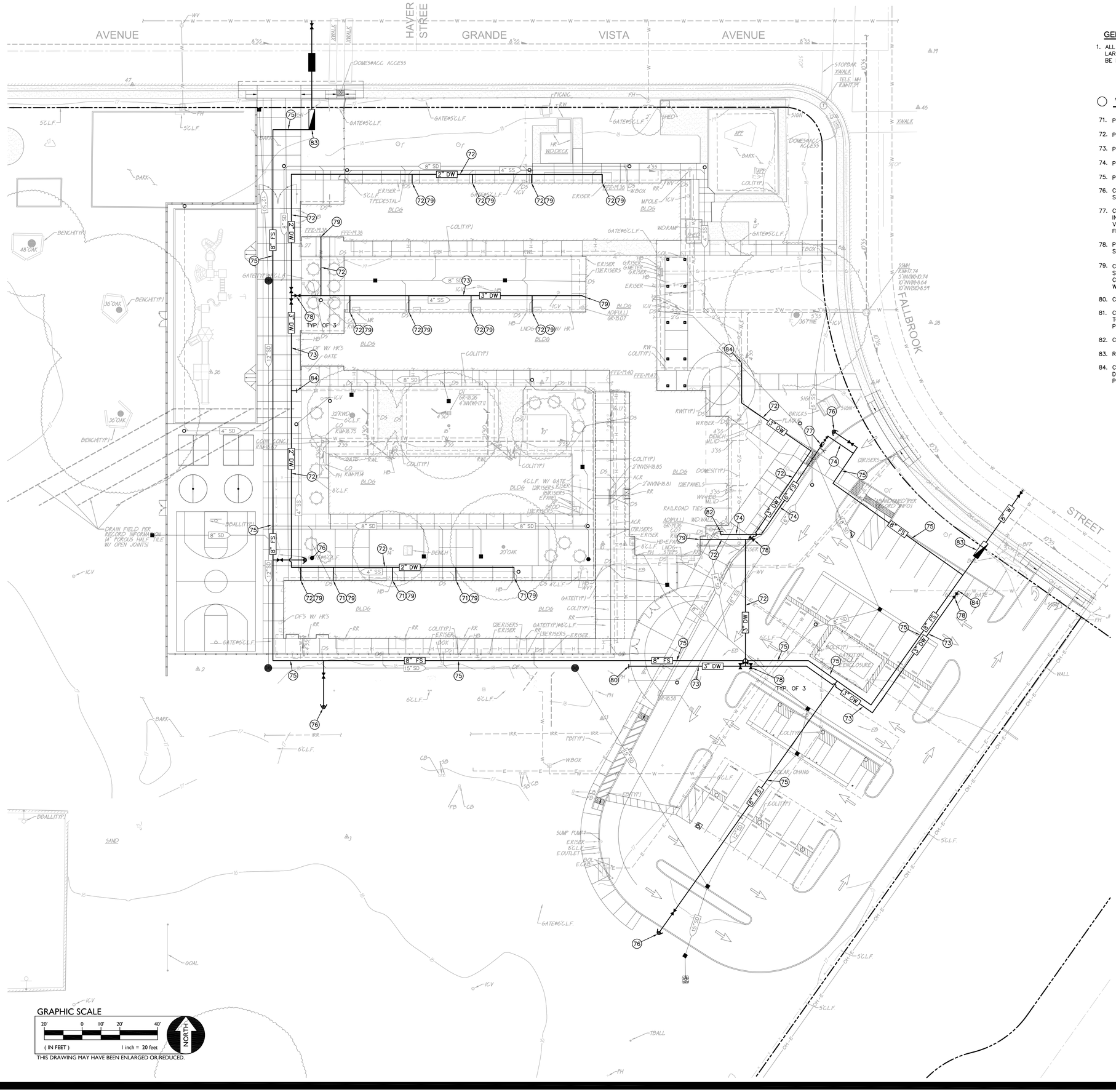
DRAINAGE AND SEWER PLAN

Date 03/01/19
Scale AS NOTED
Project Number 19003.1
Drawing Number **C3.1**

FILENAME:I:\19-022\CIVIL\DWG\19-022-C31.DWG



GENERAL THRUST BLOCK NOTE

1. ALL JUNCTION AND BENDS ON WATER MAIN PIPES 4" OR LARGER IN DIAMETER, VERTICAL AND HORIZONTAL SHALL BE PROTECTED WITH THRUST BLOCKS PER DETAIL (6 / C7.2)

WATER NOTES

71. PLACE 1" WATER PER
72. PLACE 2"WATER PER
73. PLACE 3" WATER PER
74. PLACE 6" WATER PER
75. PLACE 8" WATER PER

(5 / C7.2)

76. CONSTRUCT FIRE HYDRANT ASSEMBLY PER CITY OF WEST SACRAMENTO STD. DTL. 515. (8 / C7.2)
77. CONSTRUCT FIRE DEPARTMENT CONNECTION, POST INDICATOR VALVE WITH TAMPER SWITCH AND CHECK VALVE. COORDINATE TAMPER SWITCH CONNECTION TO FIRE ALARM WITH ELECTRICAL PLANS. (7 / C7.2)
78. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE. (9 / C7.2)
79. CONNECT TO BUILDING'S EXISTING DOMESTIC WATER SERVICE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE GATE VALVE WITHIN 5 FT OF BUILDING PER (9 / C7.2)
80. CAP AND MARK END FOR FUTURE CONNECTION.
81. CONNECT TO BUILDING DOMESTIC WATER SERVICE. REFER TO PLUMBING PLANS FOR EXACT DEPTH AND LOCATION, PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
82. CAP END AND MARK FOR FUTURE CONNECTION.
83. REFER TO OFF-SITE PLANS FOR CONTINUATION.
84. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

GRAPHIC SCALE

20' 0 10' 20' 40'

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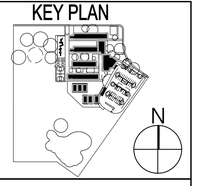

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CONSTRUCTION DOCUMENTS

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DOMESTIC WATER AND FIRE PROTECTION PLAN

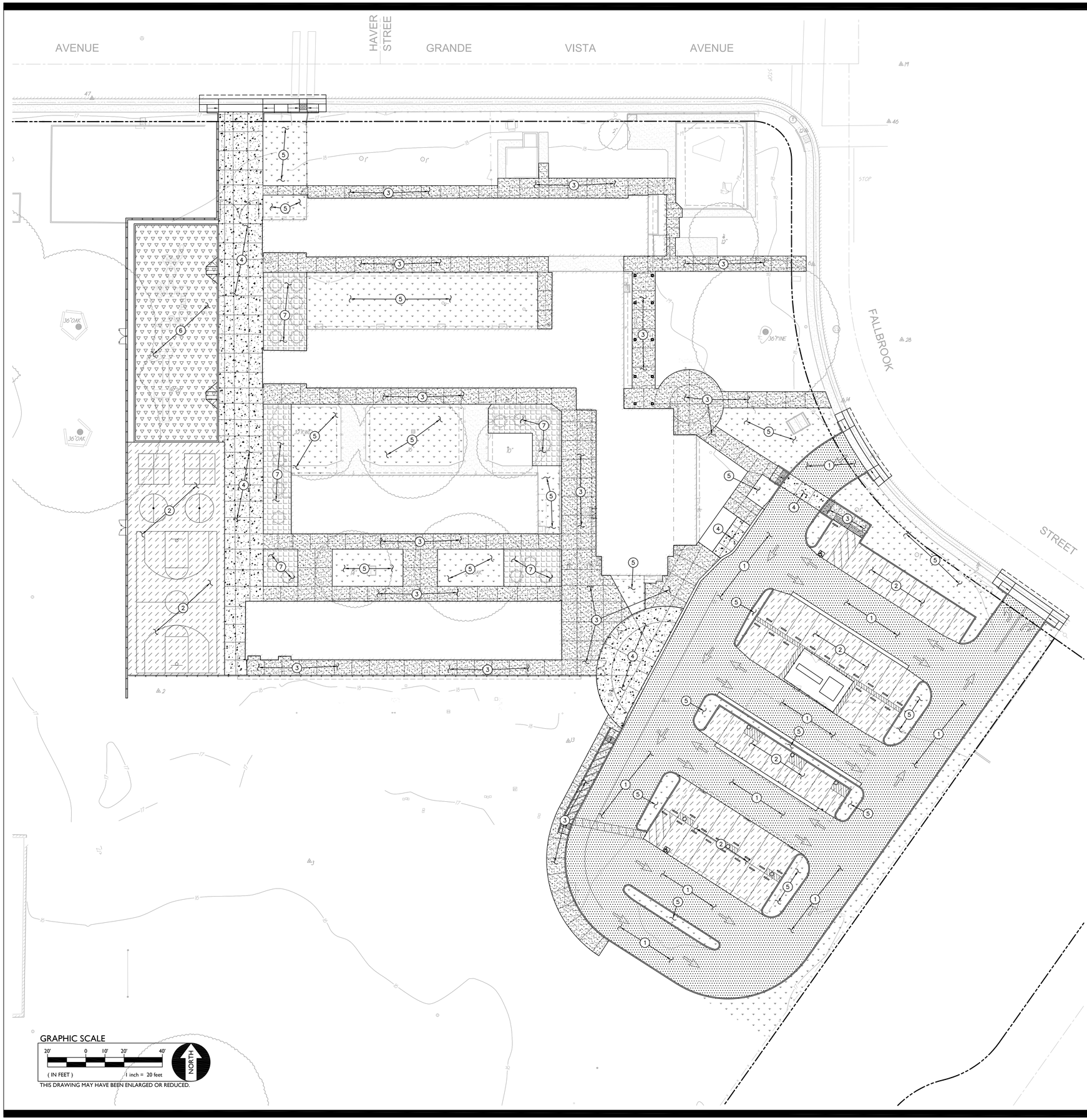
Date 03/01/19

Scale AS NOTED

Project Number 19003.1

Drawing Number **C4.1**

FILENAME: I:\19-022\CIVIL\DWG\19-022-C41.DWG



PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS S AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER;
   A. POT HOLING ALL EXISTING UTILITIES.
   B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 2.5" AC OVER 11" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
2. TYPE 2 PAVING
   PLACE 2.5" AC OVER 7" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
3. TYPE 3 PAVING
   PLACE 5" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
4. TYPE 4 PAVING
   PLACE 6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 6" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.
5. TYPE 5
   PLACE 12" NATIVE TOPSOIL, TO ACHIEVE FINISH GRADES AS SHOWN ON GRADING PLAN FOR ALL AREAS TO RECEIVE PLANTING. SUBGRADE TO BE GRADED TO PROVIDE SLOPE AND SMOOTH LINES CONSISTENT WITH FINISH GRADES TO ALLOW FOR UNIFORM THICKNESS OF TOP SOIL.
6. TYPE 6 PAVING
   PLACE 15" MINIMUM OF APPARATUS FIBAR FILL MATERIAL. MATERIAL SHALL COMPLY WITH THE FOLLOWING:

   11B-1008.2.6 – GROUND SURFACES ON ACCESSIBLE ROUTES, CLEAR FLOOR OR GROUND SPACES, AND TURNING SPACES SHALL COMPLY WITH SECTION 11B-1008.2.6.

   11B-1008.2.6.1 – GROUND SURFACES SHALL COMPLY WITH ASTM F1951. GROUND SURFACES SHALL BE INSPECTED AND MAINTAINED REGULARLY AND FREQUENTLY TO ENSURE CONTINUED COMPLIANCE WITH ASTM F1951.

   11B-1008.2.6.2 – GROUND SURFACES LOCATED WITHIN USE ZONES SHALL COMPLY WITH ASTM F1292. (1999 EDITION OR 2004 EDITION)
7. TYPE 7
   REFER TO LANDSCAPE PLANS FOR PAVER DESIGN.

GRAPHIC SCALE
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(IN FEET) 1 inch = 20 feet
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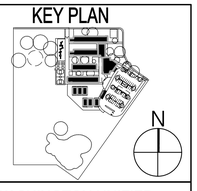

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CONSTRUCTION DOCUMENTS

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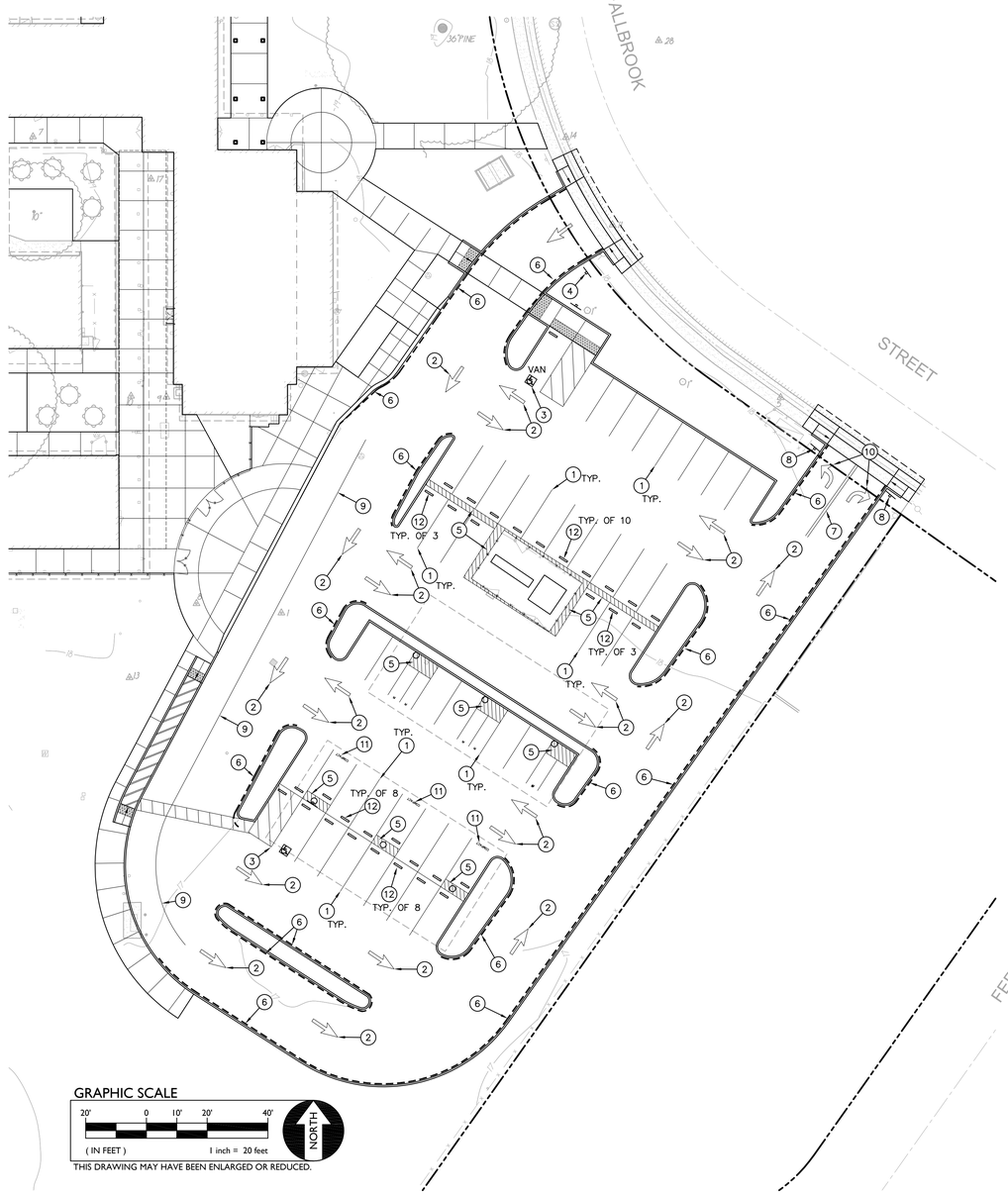
PAVING PLAN

Date 03/01/19
Scale AS NOTED
Project Number 19003.1
Drawing Number **C5.1**

FILENAME: I:\19-022\CIVIL\DWG\19-022-C51.DWG



GRAPHIC SCALE

20' 0 10' 20' 40'

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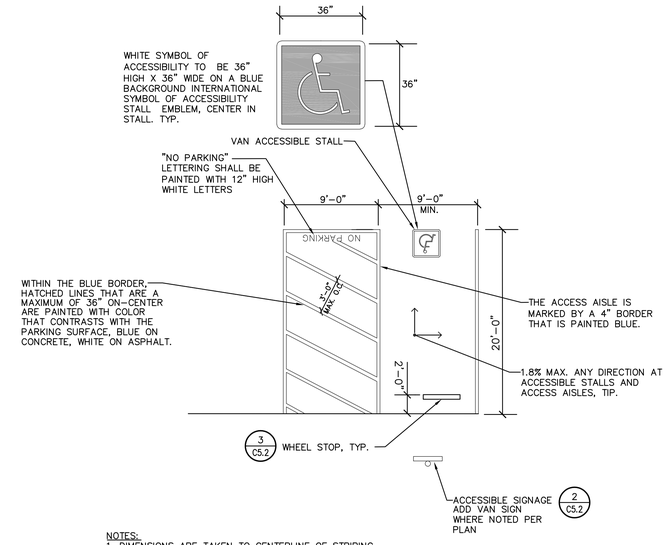
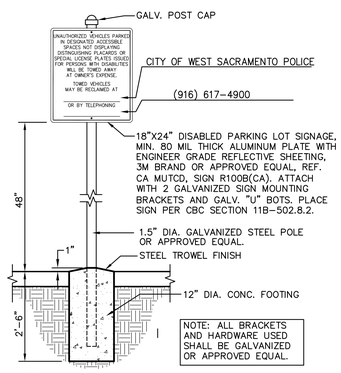
STRIPING AND SIGNAGE NOTES

1. PROVIDE CALTRANS DETAIL 27B, TYPICAL OF STALLS.
2. PROVIDE CALTRANS, FHWA TYPE 1 ARROW.
3. PROVIDE ACCESSIBLE STRIPING PER (1 / C5.2)
4. PROVIDE "UNAUTHORIZED VEHICLE" TOWING SIGN PER (4 / C5.2)
5. PAINT 4" WIDE WHITE EDGE LINES AND 4" WIDE WHITE CROSS HATCHING LINES AT 36" O.C.
6. PAINT CURB RED WITH 4" HIGH, 3/4" WIDE STROKE SAYING "NO PARKING – FIRE LANE". MARKINGS SHALL BE LOCATED EVERY 25'.
7. PROVIDE CALTRANS DETAIL 22.
8. PROVIDE "DO NOT ENTER" R5-1 SIGNAGE WITH POST AND FOOTING. MOUNT 48" FROM BOTTOM OF SIGN TO FINISH GRADE.
9. PROVIDE CALTRANS DETAIL 27B, 4" WIDE.
10. PROVIDE CALTRANS, FHWA TYPE 4 ARROW.
11. PROVIDE "COMPACT" WHITE LETTERING, 12" HIGH.
12. PLACE CONCRETE WHEEL STOP PER (3 / C5.2)

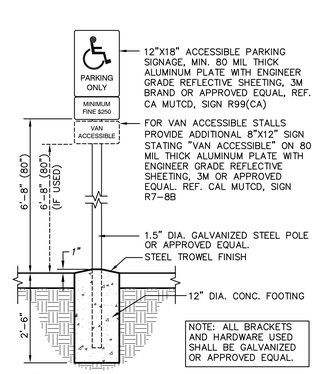


NOTES:
1. DIMENSIONS ARE TAKEN TO CENTERLINE OF STRIPING.

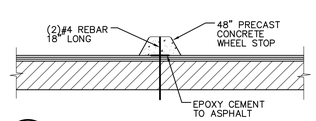
(1 / C5.2) ACCESSIBLE PARKING — NO SCALE



(4 / C5.2) PARKING AREA SIGN (CALIFORNIA ONLY) — NO SCALE



(2 / C5.2) PARKING SIGNAGE — ACCESSIBLE STALLS (CALIFORNIA ONLY) — NO SCALE



(3 / C5.2) CONCRETE WHEEL STOP — NO SCALE

FILENAME: I:\19-022\CIVIL\DWG\19-022-C52.DWG

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74656 STATE OF CALIFORNIA

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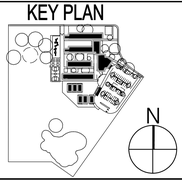
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

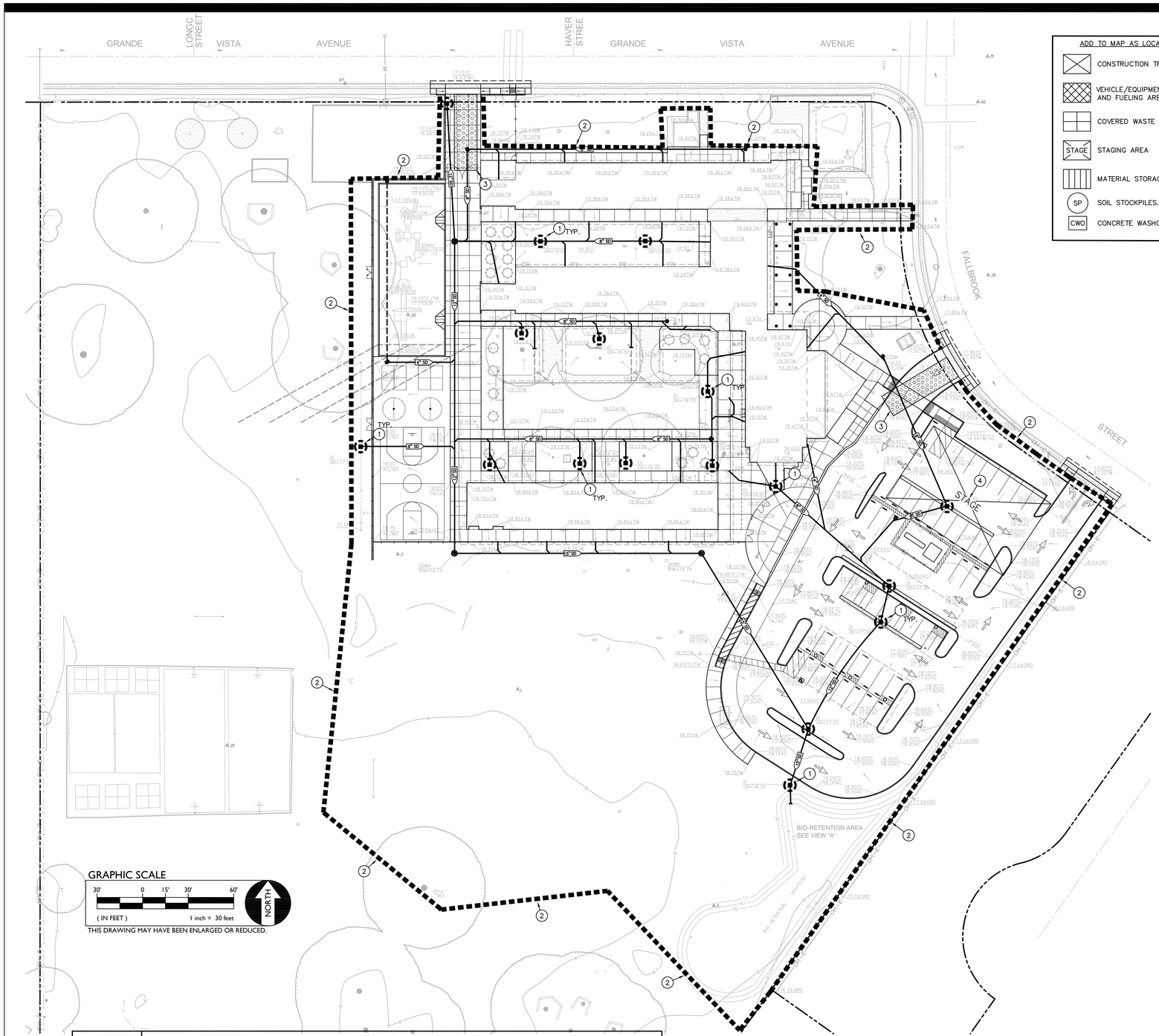
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

SIGNAGE AND STRIPING PLAN

Date 03/01/19
Scale AS NOTED
Project Number 19003.1

Drawing Number **C5.2**

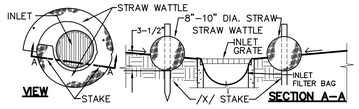


ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGE — STAGING AREA
- MATERIAL STORAGE
- SP — SOIL STOCKPILES.
- CWO — CONCRETE WASHOUT.

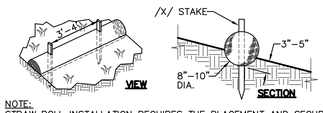
EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
4. PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER PEDESTRIANS AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTEND, THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
10. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.



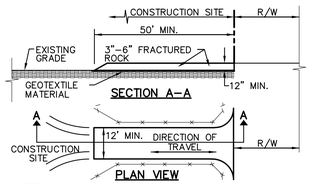
NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

1 / C6.1 STRAW WATTLE INLET FILTER — NO SCALE



NOTE:
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2 / C6.1 STRAW ROLLS — NO SCALE



NOTES:
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

3 / C6.1 STABILIZED CONSTRUCTION SITE ACCESS — NO SCALE

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																		
	WET SEASON					WET & DRY SEASON													
	HYDRO-SEEDING	STRAW MULCHING/ TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGITATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X	X		X			X		N/A			N/A	N/A				
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X			X	X		X	X	X	X	
UNDERGROUND WORK	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
STORM IMPROVEMENTS	X		X	X	X	X	X	X		X	X		X	X	X	X	X
CURB AND GUTTER	N/A		X	X	X	X	X	X		X	X			X	X	X	X
STREET IMPROVEMENTS			X	X	X	X	X	X		X	X			X	X	X	X
PAVE OUT				X	X		X	X		X	X			X		X	X
POST CONSTRUCTION			X	X	X												
MAINTENANCE SCHEDULE																	
DAILY*																	
WEEKLY*		X	X		X	X		X		X	X				X	X	X
MONTHLY*																	
BEFORE RAIN		X	X		X	X		X		X	X						
DURING RAIN		X	X		X	X		X		X	X						
AFTER RAIN		X	X		X	X		X		X	X						
AS NEEDED				X			X							X			

* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

STORM DRAINAGE OUTFALL BMP'S
REFER TO PROTECT CONSTRUCTION PLAN DETAILS FOR SPECIFIC POST CONSTRUCTION BMP MEASURES AT OUTFALL STRUCTURES.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

LEGEND

EROSION CONTROL NOTES

NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND PROJECT QSP.

1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON-SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG. (1 / C6.1)
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL (2 / C6.1)
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL (3 / C6.1)
4. CONTRACTOR SHALL CONSTRUCT AND UTILIZE A STAGING AREA IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS IN SECTION 4 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK. SIZE AS NEEDED. AFTER CONSTRUCTION COMPLETE, RETURN AREA TO NATURAL CONDITION.

MONITORING SCHEDULE

1. WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
2. EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
3. WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
4. RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
5. QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
6. WEEKLY INSPECTIONS.

RISK LEVEL 2

PROJECT INFORMATION

PARCEL AREA	– ACRES
TOTAL DISTURBED AREA	– ACRES
S.W.P.P.P. REQUIRED?	YES

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SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA
ENGINEER: REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74686 STATE OF CALIFORNIA

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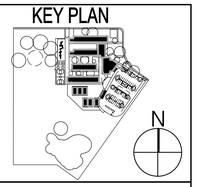
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

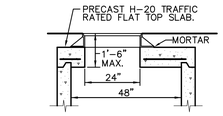
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

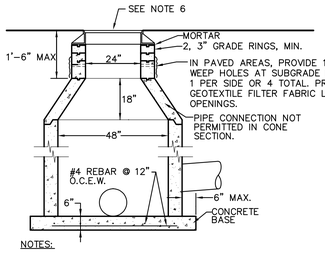
EROSION CONTROL PLAN

Date 03/01/19
Scale AS NOTED
Project Number 19003.1
Drawing Number C6.1

FILENAME: I:\19-022\CIVIL\DWG\19-022-C61.DWG



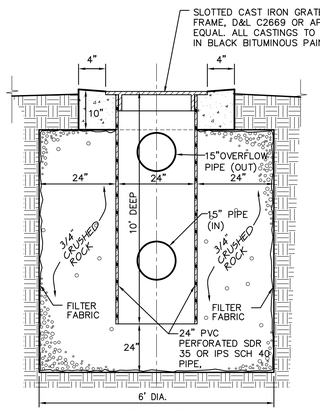
FLAT SLAB SECTION



NOTES:

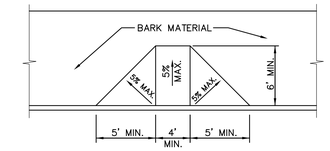
1. RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
2. FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
3. THE CONTRACTOR MAY AT HIS OPTION, CAST THE LOWER PORTION OF MANHOLE IN PLACE. THE CAST-IN-PLACE PORTION SHALL NOT BE PLACED HIGHER THAN 6 INCHES ABOVE THE OUTSIDE TOPS OF THE MAIN INCOMING AND OUTGOING PIPES.
4. ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
5. FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT TOP SLAB TO BE TRAFFIC RATED.
6. SLOTTED CAST IRON GRATE AND FRAME SHALL BE D&L C2669 (C2669ADA IN PAVED AREAS) OR APPROVED EQUAL. PROVIDE WITH TWO (2) BOLTS TO BOLT COVER/GRATE TO FRAME. SOLID COVERS TO BE MARKED "STORM DRAIN". ALL CASTINGS TO BE DIPPED IN BLACK BITUMINOUS PAINT.

15 C7.1 STORM DRAIN MANHOLE — NO SCALE



SECTION VIEW

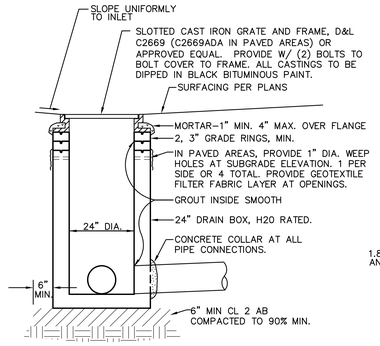
16 C7.1 TYPE 2 INLET — NO SCALE



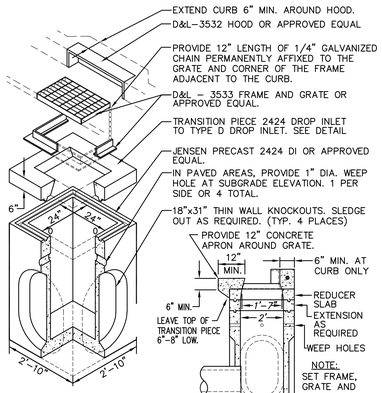
NOTES:

1. FLARED END RAMP SHALL CONSIST OF 6" PCC OVER 6" AB ON SUBGRADE COMPACTED PER PROJECT SPECIFICATIONS.

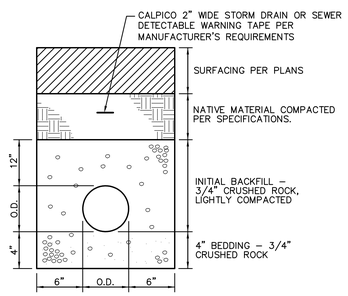
11 C7.1 APPARATUS TRANSITION — NO SCALE



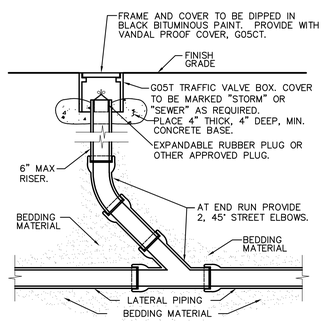
12 C7.1 DROP INLET — NO SCALE



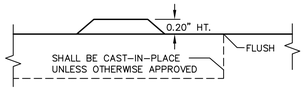
13 C7.1 CURB INLET — BOX DESIGN LOAD: H-20 TRAFFIC — NO SCALE



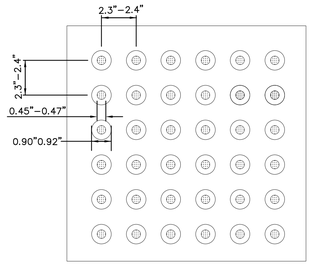
17 C7.1 STORM DRAIN AND SEWER TRENCH — NO SCALE



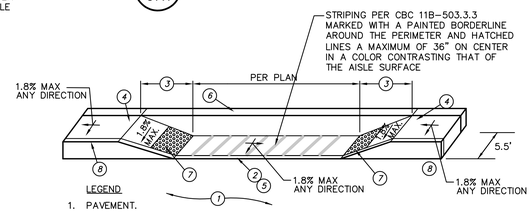
14 C7.1 CLEANOUT — NO SCALE



NOTE: SURFACE APPLIED MATS WILL NOT BE ALLOWED UNLESS SPECIFICALLY APPROVED. IF APPROVED ALL EXPOSED EDGES SHALL BE TAPERED. FROM FIG. 11B-705.1 CALIFORNIA BUILDING CODE, 2016



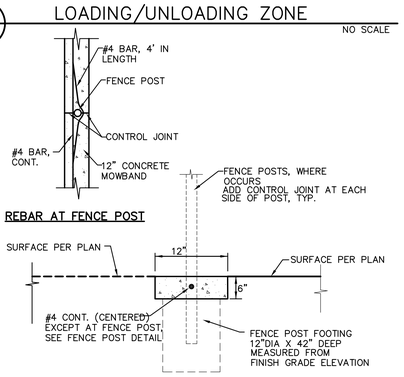
7 C7.1 TRUNCATED DOMES — NO SCALE



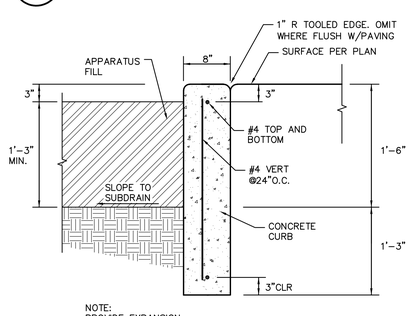
LEGEND

1. PAVEMENT.
2. FLUSH CONCRETE CURB.
3. 8.3% (1:12) MAXIMUM SLOPE, 7' MIN. LENGTH.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX, ALL DIRECTIONS, PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.3
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 10'.
6. 6" WIDE RETAINING CURB.
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF RAMP LESS 2 INCHES ON EITHER SIDE OF RAMP, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR-TILE OR APPROVED EQUAL. (7 C7.1)
8. SCORE MARK, 6" BEHIND BACK OF CURB

8 C7.1 LOADING/UNLOADING ZONE — NO SCALE

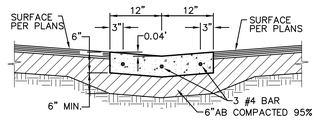


9 C7.1 12" WIDE CONCRETE BAND — NO SCALE



NOTE: PROVIDE EXPANSION JOINTS @ 10' O.C. TYP.

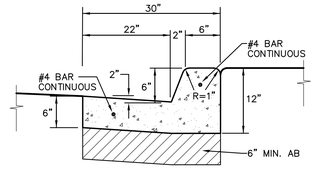
10 C7.1 APPARATUS CURB — NO SCALE



NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

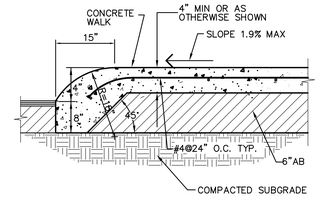
3 C7.1 CONCRETE VALLEY GUTTER — NO SCALE



NOTES:

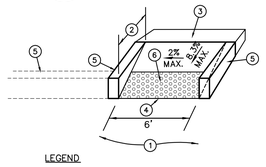
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

4 C7.1 CONCRETE CURB AND GUTTER — NO SCALE



ROLLED CURB AND SIDEWALK

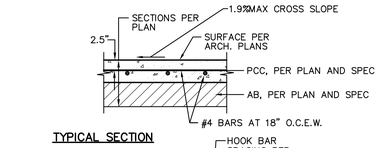
5 C7.1 — NO SCALE



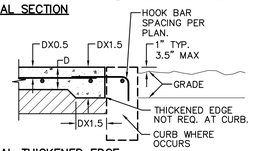
LEGEND

1. PAVEMENT.
2. 8.3% (1:12) MAXIMUM SLOPE, 6.5' MIN. LENGTH.
3. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.3.
4. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 24" PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.8.
5. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
6. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. (7 C7.1)

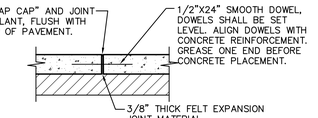
6 C7.1 ACCESSIBLE CURB RAMP — NO SCALE

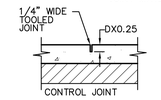


TYPICAL SECTION

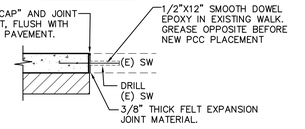


TYPICAL THICKENED EDGE





TYPICAL JOINTS

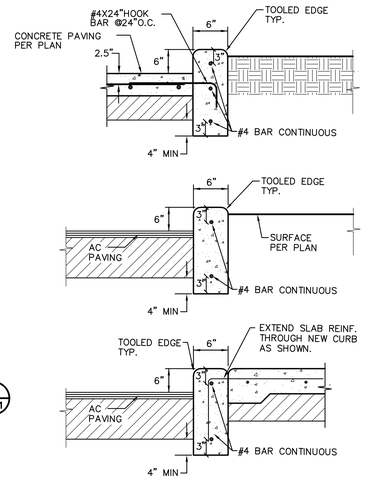


CONNECTION TO (E) CONCRETE

NOTE:

PROVIDE EXPANSION JOINTS AT 20 FEET O.C. MAX
PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX

1 C7.1 CONCRETE SIDEWALK — NO SCALE



NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 C7.1 CONCRETE CURB — NO SCALE

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planning
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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74686 STATE OF CALIFORNIA

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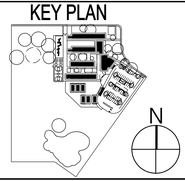
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

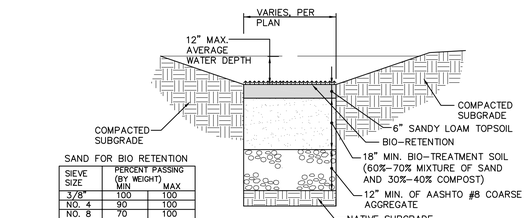
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

DETAILS AND SECTIONS

Date 03/01/19
Scale AS NOTED
Project Number 19003.1
Drawing Number C7.1

FILENAME: I:\19-022\CIVIL\DWG\19-022-C71-C72.DWG



SAND FOR BIO RETENTION

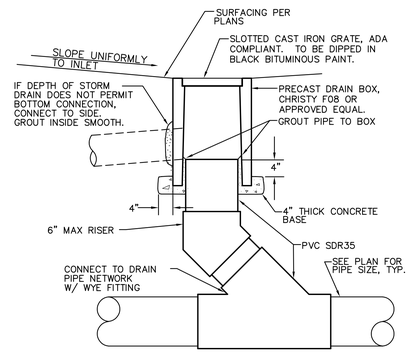
SIEVE SIZE	PERCENT PASSING (BY WEIGHT) MIN	MAX
3/8"	100	100
NO. 4	90	100
NO. 8	70	100
NO. 16	40	95
NO. 30	15	70
NO. 40	5	55
NO. 100	0	15
NO. 200	0	5

COMPOST FOR BIO RETENTION

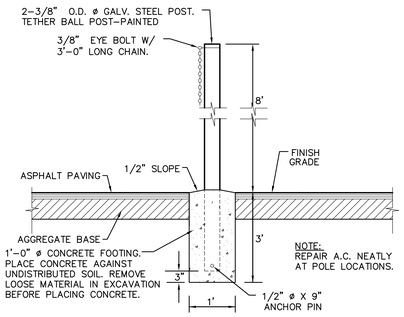
SIEVE SIZE	PERCENT PASSING (BY WEIGHT) MIN	MAX
1"	99	100
1/2"	90	100
1/4"	40	90
NO. 200	2	10

SOIL PARAMETERS TO BE PER COUNTY OF SACRAMENTO STANDARDS

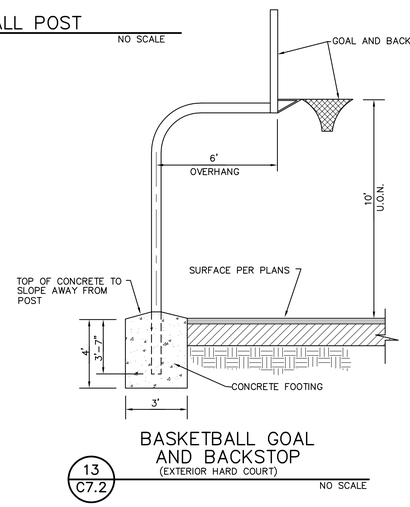
10 / C7.2 SECTION-BIORETENTION — NO SCALE



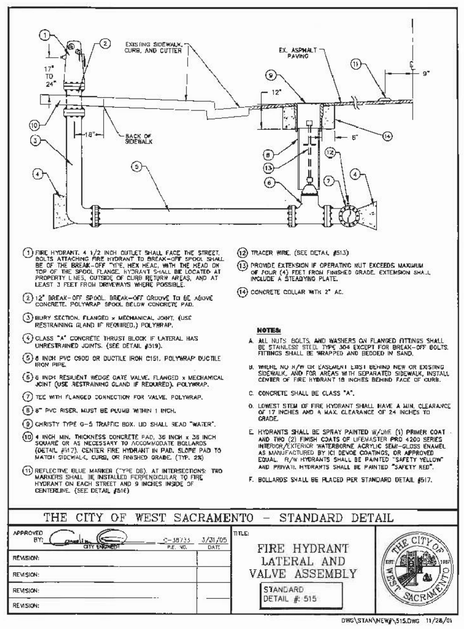
11 / C7.2 AREA DRAIN — NO SCALE



12 / C7.2 TETHER BALL POST — NO SCALE



13 / C7.2 BASKETBALL GOAL AND BACKSTOP (EXTERIOR HARD COURT) — NO SCALE



1. FIRE HYDRANT, 4 1/2 INCH OUTLET SHALL FACE THE STREET. BOLTS ATTACHING FIRE HYDRANT TO BREAK-OFF SPOOL SHALL BE OF THE BREAK-OFF TYPE, HEX HEAD, WITH THE HEAD ON TOP OF THE SPOOL FLANGE. HYDRANT SHALL BE LOCATED AT PROPERTY LINES, OUTSIDE OF CURB RETURN AREAS, AND AT LEAST 3 FEET FROM DRIVEWAYS WHERE POSSIBLE.
2. 12" BREAK-OFF SPOOL. BREAK-OFF GROOVE TO BE ABOVE CONCRETE. POLYWRAP SPOOL BELOW CONCRETE PAD.
3. BURY SECTION, FLANGED x MECHANICAL JOINT, (USE RESTRAINING GLAND IF REQUIRED.) POLYWRAP.
4. CLASS "A" CONCRETE THRUST BLOCK IF LATERAL HAS UNRESTRAINED JOINTS. (SEE DETAIL #519).
5. 6 INCH PVC C900 OR DUCTILE IRON C151, POLYWRAP DUCTILE IRON PIPE.
6. 6 INCH RESILIENT WEDGE GATE VALVE, FLANGED x MECHANICAL JOINT (USE RESTRAINING GLAND IF REQUIRED), POLYWRAP.
7. TEE WITH FLANGED CONNECTION FOR VALVE, POLYWRAP.
8. 6" PVC RISER, MUST BE PAINTED WHEN 1 INCH.
9. CHRISTY TYPE G-5 TRAFFIC BOX, LID SHALL READ "WATER".
10. 4 INCH MIN. THICKNESS CONCRETE PAD, 36 INCH x 36 INCH SQUARE OR AS NECESSARY TO ACCOMMODATE BOLLARDS. (DETAIL #417). CENTER FIRE HYDRANT IN PAD. SLOPE PAD TO MATCH SIDEWALK, CURB, OR FINISHED GRADE. (TYP. 2%)
11. REFLECTIVE BLUE MARKER (TYPE DB), AT INTERSECTIONS. TWO MARKERS SHALL BE INSTALLED PERPENDICULAR TO FIRE HYDRANT ON EACH STREET AND 9 INCHES INSIDE OF CENTERLINE. (SEE DETAIL #814)
12. TRACER WIRE. (SEE DETAIL #513)
13. PROVIDE EXTENSION IF OPERATING NUT EXCEEDS MAXIMUM OF FOUR (4) FEET FROM FINISHED GRADE. EXTENSION SHALL INCLUDE A STEADYING PLATE.
14. CONCRETE COLLAR WITH 2" AC.

NOTES:
A. ALL NUTS, BOLTS, AND WASHERS ON FLANGED FITTINGS SHALL BE STAINLESS STEEL TYPE 304 EXCEPT FOR BREAK-OFF BOLTS. FITTINGS SHALL BE WRAPPED AND BEDDED IN SAND.
B. WHERE NO R/W OR EASEMENT EXIST BEHIND WALK OR EXISTING SIDEWALK, AND FOR AREAS WITH SEPARATED SIDEWALK, INSTALL CENTER OF FIRE HYDRANT 18 INCHES BEHIND FACE OF CURB.
C. CONCRETE SHALL BE CLASS "A".
D. LOWEST STEM OF FIRE HYDRANT SHALL HAVE A MIN. CLEARANCE OF 17 INCHES AND A MAX. CLEARANCE OF 24 INCHES TO GRADE.
E. HYDRANTS SHALL BE SPRAY PAINTED W/ONE (1) PRIMER COAT AND TWO (2) FINISH COATS OF URETHASTER PRO 4200 SERIES INTERIOR/EXTERIOR WATERBORNE ACRYLIC SEMI-GLOSS ENAMEL AS MANUFACTURED BY ICI DEVOE COATINGS, OR APPROVED EQUAL. R/W HYDRANTS SHALL BE PAINTED "SAFETY YELLOW" AND PRIVATE HYDRANTS SHALL BE PAINTED "SAFETY RED".
F. BOLLARDS SHALL BE PLACED PER STANDARD DETAIL #517.

THE CITY OF WEST SACRAMENTO - STANDARD DETAIL

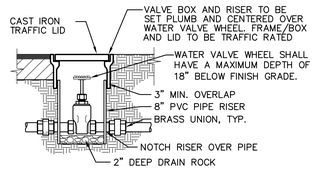
APPROVED BY: CITY ENGINEER — R.E. NO. C-35733 — 3/20/08 DATE

TITLE: FIRE HYDRANT LATERAL AND VALVE ASSEMBLY — STANDARD DETAIL #: 515

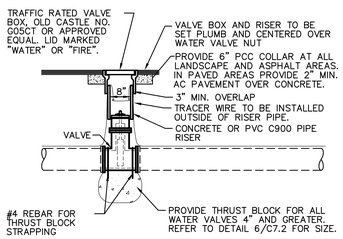
REVISION: / REVISION: / REVISION: / REVISION:

DWG\STAN\NEW\515.DWG 11/28/05

8 / C7.2 FIRE HYDRANT — NO SCALE

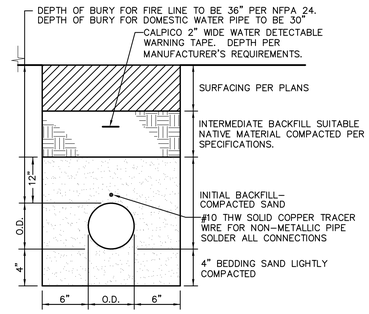


WATER VALVE 1/2"-3" — NO SCALE



WATER VALVE 4" OR GREATER — NO SCALE

9 / C7.2 WATER VALVE — NO SCALE



5 / C7.2 WATER TRENCH — NO SCALE

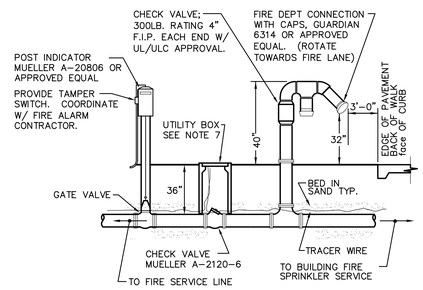
REQUIRED BEARING AREAS IN SQ. FT.

INSTALLATION	FITTING TYPE	PIPE SIZES 4"	6"	8"	10"	12"
	90° ELL	5	11	19	28	39
	45° ELL	3	6	10	15	21
	22.5° ELL	2	3	5	8	11
	11.25° ELL	1	2	3	4	6
	TEE	4	8	13	20	28
	DEAD END	4	8	13	20	28
GATE VALVE 4" OR LARGER						
	#4 BARS TRENCH KEY 6" MIN.	4	8	13	20	28

NOTES

1. THRUST BLOCKS ARE TO BE CONSTRUCTED OF 2500 PSI CONCRETE MIN.
2. AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 200 POUNDS PER SQUARE INCH (13.8 BARS) AND SOIL RESISTANCE OF 1500 POUNDS PER SQUARE FOOT (137.9 BARS).
3. BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL, 12 INCH THICK MINIMUM.
4. THRUST BLOCKS ARE TO BE FREE, SEPARATE AND INDEPENDENT OF ADJACENT OR NEARBY THRUST BLOCKS.
5. WRAP ALL FITTINGS BEFORE PLACING CONCRETE.

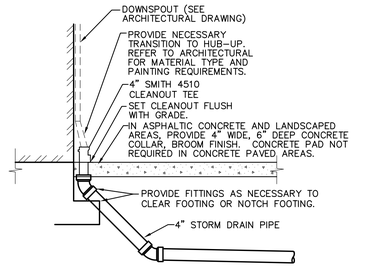
6 / C7.2 THRUST BLOCKS — NO SCALE



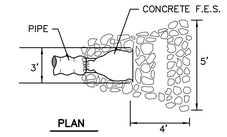
FIRE DEPARTMENT NOTES

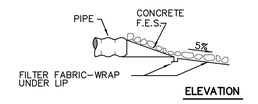
1. THE INSTALLATION OF ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL BE IN ACCORDANCE WITH N.F.P.A. 24 AND FIRE DEPARTMENT STANDARDS.
2. ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A. 24 AND SHALL BE WITNESSED BY THE FIRE DEPARTMENT. UNDERGROUND PIPING SHALL BE FLUSHED PER NFPA13 AND RISER STUB-UP IMMEDIATELY CAPPED.
3. THE INSTALLING CONTRACTOR, OR SUBCONTRACTOR, FOR ALL ON-SITE FIRE PROTECTION SYSTEMS SHALL NOTIFY THE FIRE DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF REQUESTING A DATE AND TIME FOR INSPECTIONS.
4. IF PLASTIC PIPE IS INSTALLED FOR FIRE PROTECTION SYSTEMS, THE PIPE SHALL BE C-900 CLASS 200.
5. AFTER INSTALLATION, RODS, NUTS, BOLTS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES, EXCEPT THRUST BLOCKS, USED ON ON-SITE FIRE PROTECTION SYSTEMS SHALL BE CLEANED AND THOROUGHLY COATED WITH A BITUMINOUS OR OTHER ACCEPTABLE CORROSION-RETARDING MATERIAL.
6. ALL PIPES AND FITTINGS SHALL BE WRAPPED PER N.F.P.A. 24 AND BEDDED IN SAND.
7. PROVIDE UTILITY BOX. FOR 4" - 6" VALVE CHRISTY N48, FOR 8"+ CHRISTY N52 OR APPROVED EQUAL. PROVIDE 12" MIN CHAIN WELDED TO LIDS AND BOLTED TO INSIDE OF BOX. LID SHALL BE TRAFFIC RATED IF WITHIN A TRAFFIC AREA.

7 / C7.2 FIRE DEPARTMENT CONNECTION ASSEMBLY — NO SCALE



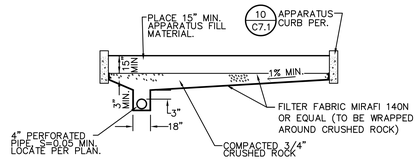
1 / C7.2 DOWNSPOUT CONNECTION — NO SCALE



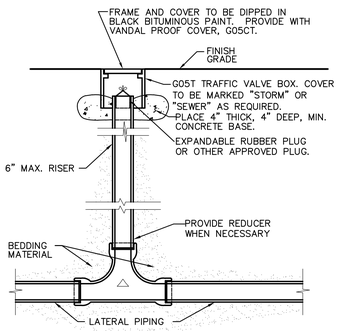


NOTES:
1. HAND PLACE ROCK.
2. ALL ROCK SHALL BE ANGULAR AND HAVE TWO FACES.
3. WHERE SLOPES OF OUTLET EXCEEDS 5%, A SEDIMENT BOWL OR ENERGY DISSIPATER SHALL BE REQUIRED.

2 / C7.2 OUTFALL STRUCTURE — NO SCALE



3 / C7.2 APPARATUS SUBDRAIN — NO SCALE



4 / C7.2 2-WAY CLEANOUT — NO SCALE

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C74686 STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
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○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
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DETAILS AND SECTIONS

Date 03/01/19
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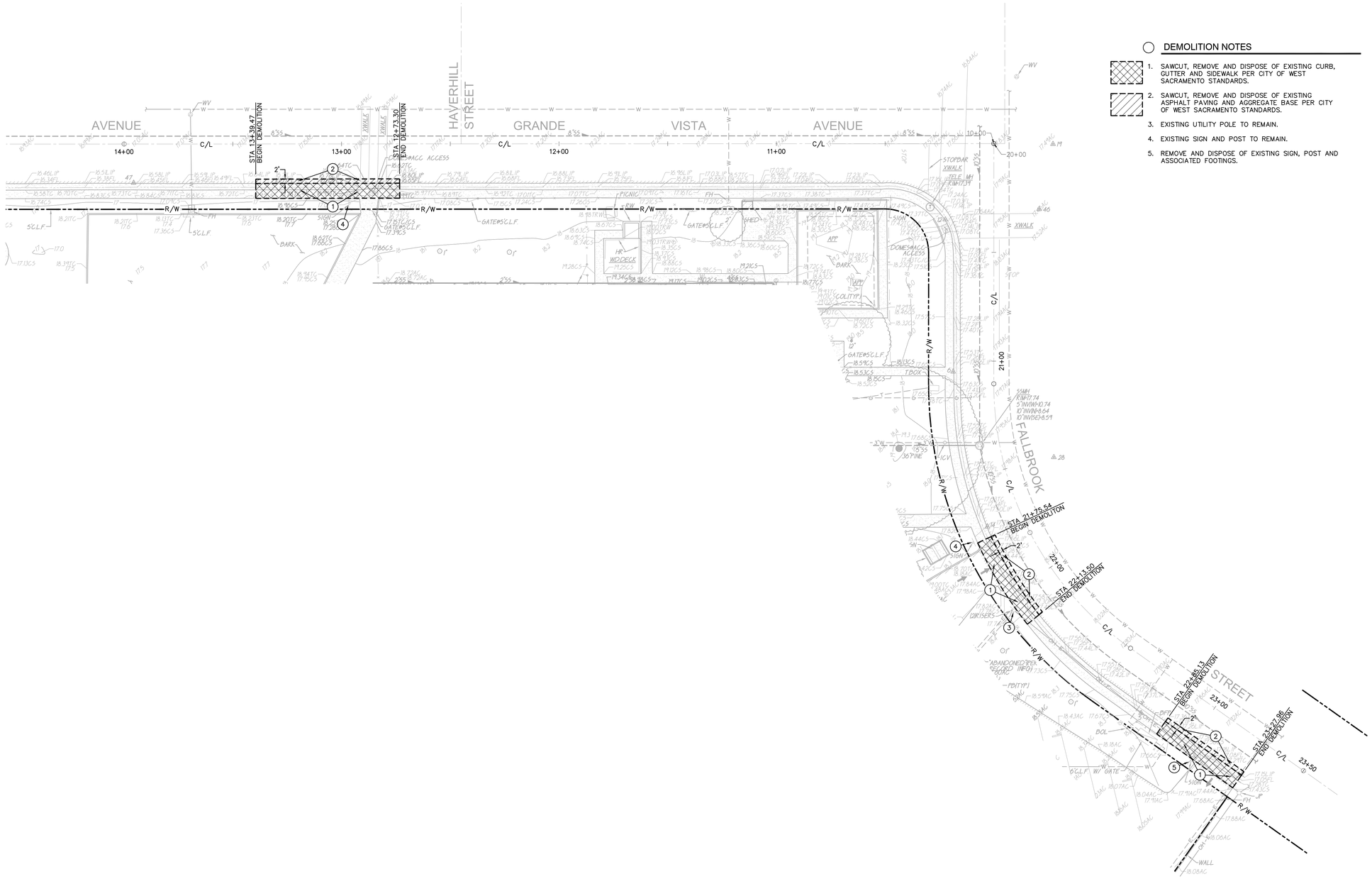

DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CURB, GUTTER AND SIDEWALK PER CITY OF WEST SACRAMENTO STANDARDS.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND AGGREGATE BASE PER CITY OF WEST SACRAMENTO STANDARDS.
3. EXISTING UTILITY POLE TO REMAIN.
4. EXISTING SIGN AND POST TO REMAIN.
5. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTINGS.

A.P.N. 058-220-043

BENCHMARK C17-01 ELEV. 13.32
FOUND A 3¼" BRASS DISK SET IN A STANDARD MONUMENT BOX STAMPED: CITY OF WEST SACRAMENTO VERTICAL AND HORIZONTAL CONTROL POINT C17-01, RCE 30639, 1993. LOCATED ALONG THE APPROX. C/L OF MOSSWOOD CIR., 204' SOUTHERLY OF THE C/L OF LAKEWOOD DR.

EXHIBIT TITLE: OFF-SITE DEMOLITION PLAN

PROJECT: WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK STREET
WEST SACRAMENTO, CA 95691

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1117 WINDFIELD WAY, SUITE 110
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REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 5/23/2019

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: N/A
JOB NO.: 19-022

NO.	REVISIONS

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 03-05-19

SHEET NO. C8.1

FILENAME: I:\19-022\CIVIL\DWG\19-022-C81.DWG

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ARCHITECT: LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA

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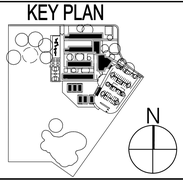
NO.	REMARKS	DATE

	DATE
DSA PLAN CHECK	3/18/2019
DSA BACK CHECK	5/29/2019
BIDDING	
CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

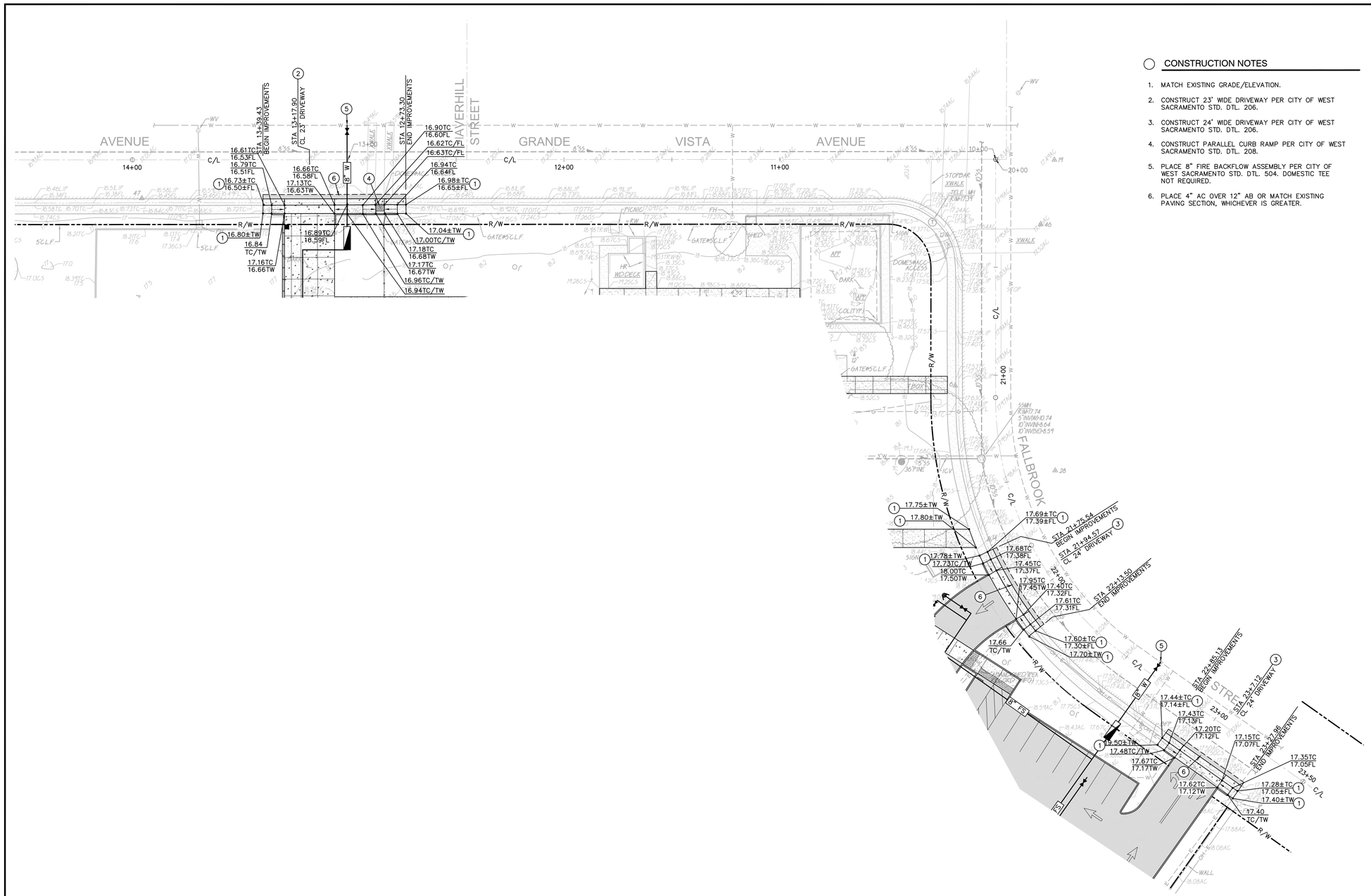
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

OFF-SITE DEMOLITION PLAN

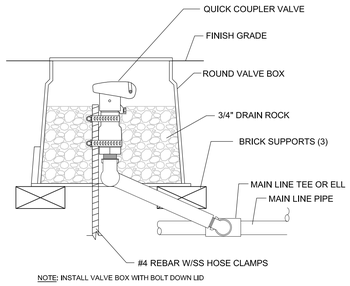
Date 03/01/19
Scale AS NOTED
Project Number 19003.1
Drawing Number C8.1

FILENAME: I:\19-022\CIVIL\DWG\19-022-C81.DWG


AVENUE
GRANDE
VISTA
AVENUE
AVERHILL
STREET
FALLBROOK
14+00
12+00
11+00
10+00
20+00
C/L
R/W
STA 13+39.43
BEGIN IMPROVEMENTS
STA 13+17.90
CL 23' DRIVEWAY
STA 12+73.30
END IMPROVEMENTS
16.61TC
16.53FL
16.79TC
16.51FL
16.73±TC
16.50±FL
16.66TC
16.58FL
17.13TC
16.63TW
16.90TC
16.60FL
16.62TC/FL
16.63TC/FL
16.94TC
16.64FL
16.98±TC
16.65±FL
16.80±TW
16.84
TC/TW
16.89TC
16.59FL
17.16TC
16.66TW
17.04±TW
17.00TC/TW
17.18TC
16.68TW
17.17TC
16.67TW
16.96TC/TW
16.94TC/TW
17.75±TW
17.80±TW
17.78±TW
17.73TC/TW
18.00TC
17.50TW
17.69±TC
17.39±FL
STA 21+75.54
BEGIN IMPROVEMENTS
STA 21+94.57
CL 24' DRIVEWAY
17.68TC
17.38FL
17.45TC
17.37FL
17.95TC
17.45TW
17.40TC
17.32FL
17.61TC
17.31FL
STA 22+13.50
END IMPROVEMENTS
17.66
TC/TW
17.60±TC
17.30±FL
17.70±TW
STA 22+85.13
BEGIN IMPROVEMENTS
STA 23+12
CL 24' DRIVEWAY
17.44±TC
17.14±FL
17.43TC
17.13FL
17.20TC
17.12FL
17.50±TW
17.48TC/TW
17.67TC
17.17TW
17.15TC
17.07FL
STA 23+42.96
END IMPROVEMENTS
17.35TC
17.05FL
17.62TC
17.12TW
17.28±TC
17.05±FL
17.40±TW
17.40
TC/TW
STOPSIGN
XWALK
TELE MH
RIM 17.39
XWALK
DOMESTIC
ACCESS
ADA
BARK
HR
WD DECK
SCLITYP.
GATE@SCLF
SCLF
FENCE
FH
PICNIC
SHED
12"
GATE@SCLF
BOX
59MH
RIM 17.74
5"INVIN 10.74
10"INVIN 9.64
10"INVIN 9.51
36"PINE
WALL
WALL
WALL

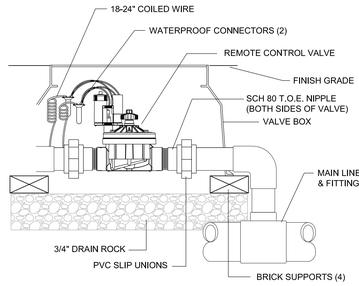
LANDSCAPE GENERAL NOTES

1. CONSTRUCTION DOCUMENTS ARE PART OF THE CONTRACT DOCUMENTS. BY SUBMITTING A BID OR STARTING WORK, THE CONTRACTOR SIGNIFIES UNDERSTANDING AND ACCEPTANCE OF ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS PROVIDED BY THE OWNER/DEVELOPER, INCLUDING BUT NOT LIMITED TO THE GENERAL CONDITIONS, SPECIAL CONDITIONS, PROJECT SPECIFICATIONS, CONSTRUCTION DOCUMENTS AND ANY ADDENDA.
2. THE CONTRACTOR SHALL EXAMINE THE SITE, COMPARE IT WITH THE PLANS, CAREFULLY EXAMINE ALL THE CONTRACT DOCUMENTS AND BECOME SATISFIED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED BEFORE ENTERING INTO THIS CONTRACT. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE ON BEHALF OF THE CONTRACTOR ON ACCOUNT OF THAT CONTRACTOR'S ERROR, NEGLIGENCE OR FAILURE TO BECOME ACQUAINTED WITH THE CONDITIONS OF THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY INSPECT THE SITE PRIOR TO STARTING THE WORK AND FOR DOCUMENTING DAMAGE TO ANY EXISTING FEATURES. ANY DAMAGE TO THE EXISTING STREETS, SIDEWALKS, ADJACENT PROPERTIES OR ANY EXISTING FEATURES THAT ARE TO REMAIN (INCLUDING BUT NOT LIMITED TO EXISTING PLANT MATERIAL AND UTILITIES) DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED UNLESS SPECIFIC REPORTS ARE SUBMITTED BY THE GEOTECHNICAL ENGINEER TO THE ENGINEERING DIVISION STATING THAT COMPACTION OF BACKFILL BY JETTING IS AN ACCEPTABLE METHOD OF COMPACTION FOR THE SOILS ENCOUNTERED.
5. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK DESCRIBED WITHIN THIS PLAN SET. ANY ITEMS REQUIRED TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF SITE.
6. ALL EXISTING FEATURES AND STRUCTURES NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE RETAINED AND PROTECTED IN PLACE. ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND THE CERTIFICATE OF COMPLETION (REQUIREMENTS ABOVE) UPON COMPLETION OF THE LANDSCAPE IMPROVEMENTS. FAILURE TO SUBMIT THE REQUIRED CERTIFICATES MAY DELAY THE FINAL APPROVAL OF THE LANDSCAPE IMPROVEMENTS AND PROJECT CERTIFICATE OF OCCUPANCY.
8. LANDSCAPE SUBMITTALS (MANUFACTURERS PRODUCT SHEETS) SHALL BE PROVIDED PRIOR TO THE START OF THE WORK. LANDSCAPE SUBMITTALS SHALL INCLUDE SOIL AMENDMENT ANALYSIS REPORT (PER PLANTING NOTES).
9. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST DURING THE CONSTRUCTION PERIOD (OR WHENEVER SOIL IS LEFT EXPOSED). ALL DUST CONTROL MEASURES MUST BE IMPLEMENTED AS NECESSARY, INCLUDING DAYS WHEN CONSTRUCTION ACTIVITIES ARE NOT OCCURRING (I.E. WEEKENDS OR HOLIDAYS).
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM 30-DAY MAINTENANCE PERIOD FOR ALL PLANTING AREAS UPON FINAL ACCEPTANCE OF THE LANDSCAPE IMPROVEMENTS BY THE OWNER AND LOCAL AGENCY.
11. CONTRACTOR SHALL PROVIDE SOIL AMENDMENTS AS SHOWN ON SHEET L3 AND PER THE NOTES REQUIRING A SOILS TEST.
12. CONTRACTOR SHALL CONNECT TO EXISTING IRRIGATION CONTROLLER THAT WAS INSTALLED FROM THE PHASE 1 IMPROVEMENTS. COORDINATE WITH DISTRICT ON LOCATION AND REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, MACHINERY, UTILITIES, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT, AND WHETHER INCORPORATED OR NOT INCORPORATED IN THE WORK.
14. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK, INCLUDING COORDINATION OF TRADES. ALL WORK SHALL BE ACCOMPLISHED BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS. THE CONTRACTOR SHALL EMPLOY A SUPERINTENDENT TO SUPERVISE THE WORK ON SITE WHO SHALL BE THE CONTRACTORS REPRESENTATIVE.
15. CONFORM TO ALL APPLICABLE CODES AND ORDINANCES, INCLUDING AIR QUALITY, NOISE AND WORK HOUR REQUIREMENTS.
16. IF ANY HAZARDOUS MATERIALS, BURIAL MARKERS, ARCHEOLOGICAL MATERIALS OR WETLANDS ARE FOUND, CONTRACTOR SHALL SUSPEND WORK IMMEDIATELY AND NOTIFY THE OWNER IN WRITING. WORK SHALL BE SUSPENDED UNTIL THE SIGNIFICANCE OF THE DISCOVERY IS ASSESSED BY A QUALIFIED PROFESSIONAL AND MITIGATION MEASURES ARE APPROVED.
17. DURING PROGRESSION OF THE WORK, THE CONTRACTOR SHALL MAINTAIN A COPY OF THE DRAWINGS ON SITE IN A NEAT AND ORDERLY MANNER, INCLUDING ALL ADDENDA, REQUESTS FOR INFORMATION, SUPPLEMENTAL INFORMATION, APPROVED SUBSTITUTIONS, APPROVED SHOP DRAWINGS, AND OTHER DOCUMENTS AND MARK THIS COPY TO INDICATE FIELD CHANGES AND AND BUILT CONDITIONS THROUGHOUT THE PROGRESSION OF THE WORK.
18. UNTIL PROJECT ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROJECT AND MAINTAIN THE JOB SITE, INCLUDING ERECTING TEMPORARY FENCING, REMOVING TRASH, SWEEPING AND CLEANING. THE JOB SITE SHALL BE KEPT IN A NEAT AND CLEAN CONDITION AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS ON THE JOB SITE AND SHALL REPLACE ANY MATERIALS DAMAGED OR LOST THROUGH THEFT OR OTHER REASONS AT NO ADDITIONAL COST TO THE OWNER.

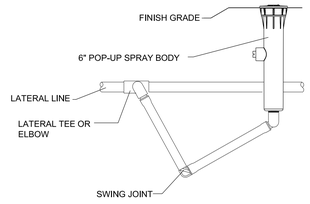


NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

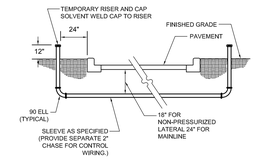
A- QUICK COUPLER
NTS



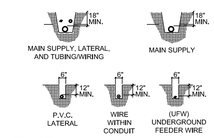
B- REMOTE CONTROL VALVE (SPRAY)
NTS



C- 6" POP-UP SPRAY HEAD
NTS

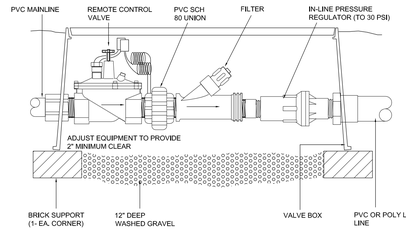


D- SLEEVE INSTALLATION
NTS



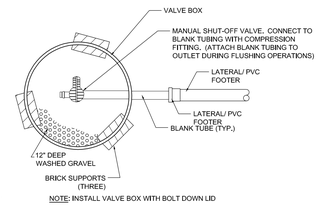
DETAIL NOTES:
1. ALL P.V.C. PIPING SHALL BE SNAKED IN TRENCHES.
2. ALL WIRING TO BE INSTALLED PER LOCAL CODES.
3. ALL WIRING TO BE BUNDLED AND TAPED AT 10' INTERVALS.
4. ALL MAIN SUPPLY LINES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
5. PROVIDE PIPE AND WIRE SLEEVING UNDER ALL PAVED SURFACES. WIRE SHALL BE WITHIN SEPARATE 2" ELECTRICAL CHASE.

E- TRENCHING
NTS



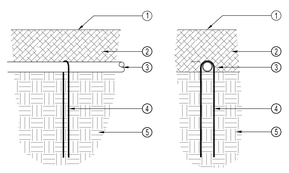
NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

F- REMOTE CONTROL VALVE (DRIP)
NTS



NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

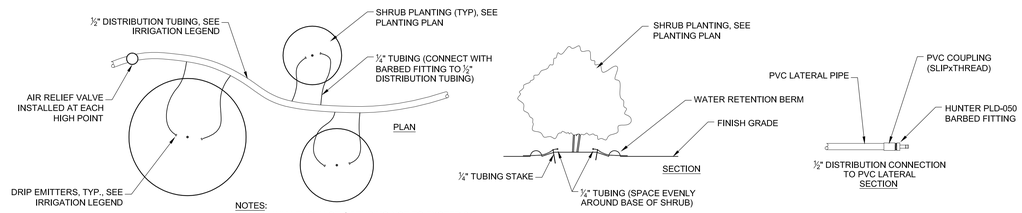
G- LINE FLUSH VALVE
NTS



1. BARK FINISH GRADE.
2. BARK DEPTH PER PLANTING PLANS.
3. DRIPLINE.
4. STEEL DRIPLINE STAPLE
5. COMPACTED SUBGRADE.

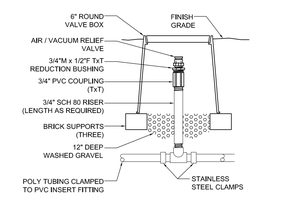
NOTE: LOCATE STAPLES ALONG TUBING AT 36" ON EMITTERS AND AT ALL FITTINGS (TEES, ELLS, ETC.)

H-DRIPTUBE STAPLE
NTS



NOTES:
1. MAXIMUM LENGTH OF ½" TUBING NOT TO EXCEED 24".
2. INSTALL TWO (2) 1.0 GPH EMITTERS PER 1 GALLON SHRUB AND TWO (2) 2.0 GPH EMITTERS PER 5 GALLON SHRUB.
3. CONNECT ½" DISTRIBUTION LINE TO PVC LATERAL PER SECTION ABOVE.
4. INSTALL SOIL STAPLES 36" ON CENTER ALONG THE DISTRIBUTION TUBE AND AT EVERY FITTING.

I- POINT SOURCE DRIP TUBE LAYOUT
NTS



NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

J- AIR/VACCUM RELIEF
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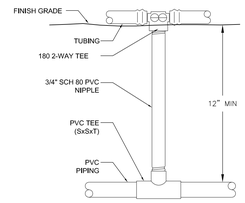

K- STARTER CONNECTION
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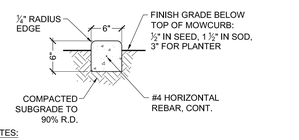
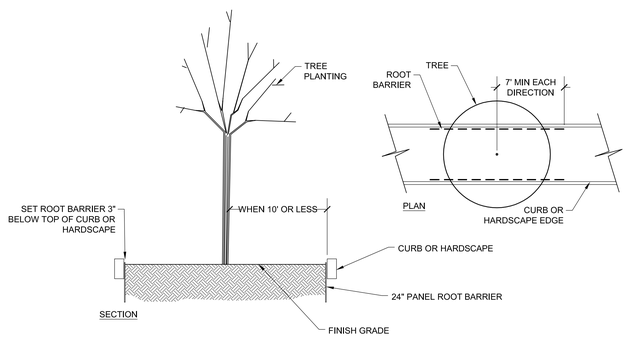


NOTES:
1. MOWSTRIP SHALL BE FINISHED WITH A MEDIUM BROOM FINISH.
2. INSTALL FIBAR EXPANSION JOINTS AT 20' O.C. SPACING AND ADJACENT TO HARDSCAPE PAVING. SCORE JOINTS SHALL BE PLACED AT 10' O.C.
3. DO NOT INSTALL EXTRUDED CURBING

L- CONCRETE MOWCURB
NTS



M- ROOT BARRIER DETAIL
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LANDSCAPE ARCHITECT
LICENSED LANDSCAPE ARCHITECT
BRIAN CRAIG
Exp. 09-31-20
STATE OF CALIFORNIA
Date: 5/16/2019

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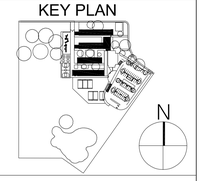
○	CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

DSA SUBMITTAL

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

LANDSCAPE DETAILS

Date
05/20/19

Drawing Number
L1

Scale
AS NOTED

Project Number
19003.1

IRRIGATION NOTES

1. THESE PLANS ARE DIAGRAMMATIC. ALL EQUIPMENT SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND SHALL BE INSTALLED IN PLANTING AREAS.
2. IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES FOR MAXIMUM SYSTEM PERFORMANCE.
3. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE WORK AS SPECIFIED IN THE SPECIFICATIONS AND AS SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
5. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN THE PLANS AND/OR SPECIFICATIONS PRIOR TO BEGINNING WORK.
6. SUBSTITUTIONS, DELETIONS OR CHANGES TO THE PLANS OR SPECIFICATIONS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF LANDSCAPE ARCHITECT.
7. ALL CONSTRUCTION SHALL CONFORM TO LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF WORK.
8. THE IRRIGATION PLAN IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AS NECESSARY BASED ON ACTUAL FIELD CONDITIONS TO GARUNTEE ADEQUATE IRRIGATION COVERAGE TO ALL PLANT MATERIAL.
9. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. TRENCHING WITHIN DRIPLINES OF TREES AND SHRUBS TO REMAIN SHALL BE DONE BY HAND. DAMAGE TO EXISTING TREE AND/OR PLANT MATERIAL TO REMAIN SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.
10. CONNECT TO EXISTING IRRIGATION CONTROLLER INSTALLED AS PART OF THE PHASE ONE IMPROVEMENTS.
11. COORDINATE CONNECTION WITH DISTRICT MAINTENANCE OFFICIALS.
12. ALL MATERIAL SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
13. SCHEDULE 40 PVC PIPE SLEEVING (2X THE PIPE TO BE SLEEVED) IS REQUIRED FOR ALL IRRIGATION LINES THAT RUN UNDER HARDSCAPE. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINAT PLACEMENT OF SLEEVING PRIOR TO PAVING OPERATIONS.
14. MAINTAIN AN ACCURATE ACCOUNT OF AS-BUILT CONDITIONS. CONTRACTOR SHALL SUPPLY AS BUILT DRAWINGS OF AS-BUILT CONDITIONS AT THE COMPLETION OF THE LANDSCAPE INSTALLATION. AS-BUILT DRAWINGS SHALL BE PROVIDED ON MYLAR FILM HARD COPIES WITH PERMANENT COLOR MARKERS NOTING AS-BUILT CONDITIONS AS WELL AS ELECTRONIC FORMAT (PDF SCAN FILES).
15. PROVIDE A COLOR CODED IRRIGATION CONTROLLER CHART AT THE COMPLETION OF THE PROJECT. CHARTS SHALL BE LAMINATED 11"X17" SIZE SHOWING LOCATIONS OF HYDROZONES.

IRRIGATION LEGEND

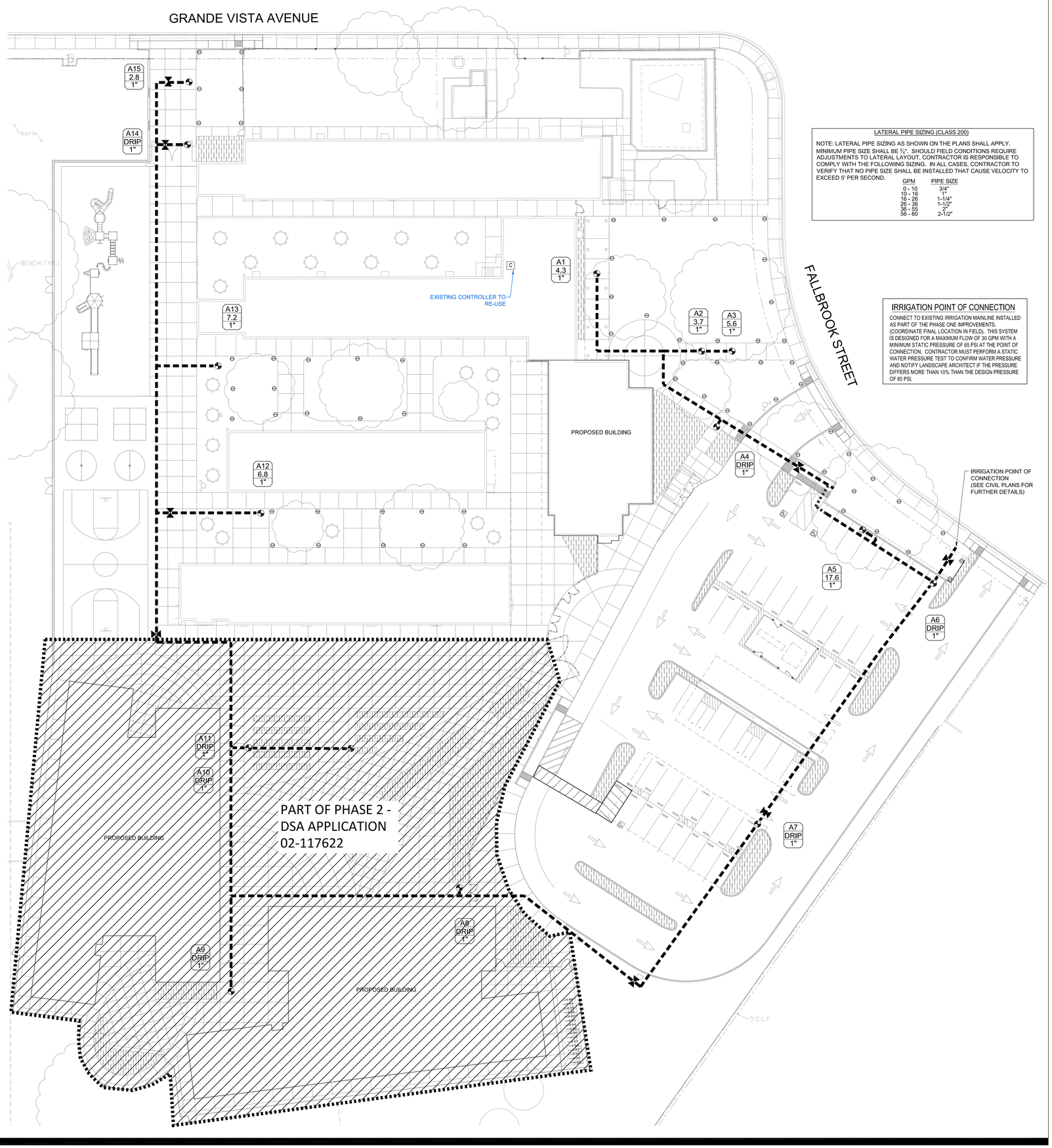
SYMBOL	MANUFACTURER	REMARKS
	AUTOMATIC IRRIGATION CONTROL VALVES: HUNTER ICV VALVE (SPRAY) HUNTER DRIP ZONE KITS (DRIP)	INSTALL PER MANUFACTURERS SPECIFICATIONS. SIZE PER PLAN. ADJUSTITUNE VALVES AS REQUIRED TO ENSURE PROPER WATER DISTRIBUTION TO ALL PLANTER AREAS.
	NIBCO T-113 GATE VALVE	LINE SIZE
C	EXISTING CONTROLLER NOTE: THE EXISTING IRRIGATION CONTROLLER IS CONNECTED TO EXISTING VALVES ON SITE. CONTRACTOR RESPONSIBLE TO VERIFY EXISTING VALVES THAT ARE CURRENTLY CONNECTED TO THE CONTROLLER FOR CONTINUED FUNCTION. COORDINATE WITH DISTRICT MAINTENANCE SUPERVISOR.	CONVERT TO FOR IQ CENTRAL USE. CONNECT TO SITE ETHERNET PORT PROVIDED BY ELECTRICAL.
	SLEEVING LOCATIONS FOR IRRIGATION LINE CROSSINGS.	COORDINATE WITH SITE DEVELOPMENT PLANS
	CLASS 200 PVC LATERAL LINES (NON-PRESSURE)	INSTALL PER IRRIGATION DETAILS. SIZE PER PLAN.
	2" SCHEDULE CLASS 315 PVC IRRIGATION MAINLINE	IRRIGATION MAINLINE SHOWN UNDER PAVED AREAS FOR PLAN CLARITY ONLY. ACTUAL LOCATION SHALL BE LOCATED WITHIN PLANTER AREAS.

SPRINKLERS-

SYMBOL/ PATTERN*	MFG	MODEL NUMBER	RADIUS/ PATTERN	GPM	PRESSURE
⊖	RAINBIRD	1806-SAM-PRS 6" POP-UP SPRINKLER WITH R-VAN SERIES ROTARY NOZZLES	8'-24'	.28-2.35	30 PSI
	POINT SOURCE DRIP TUBING. INSTALL HUNTER PLD BLANK DRIPLINE TUBING WITH EMITTERS IN PLANTER AREA PER DETAIL, SHEET L1.		INSTALL DRIP EMITTERS PER DETAILS.		

VALVE CALL-OUT KEY

A7 — CONTROLLER STATION
21.3 — GALLONS PER MINUTE
1.5" — VALVE SIZE



LATERAL PIPE SIZING (CLASS 200)

NOTE: LATERAL PIPE SIZING AS SHOWN ON THE PLANS SHALL APPLY. MINIMUM PIPE SIZE SHALL BE ¾". SHOULD FIELD CONDITIONS REQUIRE ADJUSTMENTS TO LATERAL LAYOUT, CONTRACTOR IS RESPONSIBLE TO COMPLY WITH THE FOLLOWING SIZING. IN ALL CASES, CONTRACTOR TO VERIFY THAT NO PIPE SIZE SHALL BE INSTALLED THAT CAUSE VELOCITY TO EXCEED 5' PER SECOND.

GPM	PIPE SIZE
0 - 10	3/4"
10 - 16	1"
16 - 26	1-1/4"
26 - 36	1-1/2"
36 - 55	2"
56 - 60	2-1/2"

IRRIGATION POINT OF CONNECTION

CONNECT TO EXISTING IRRIGATION MAINLINE INSTALLED AS PART OF THE PHASE ONE IMPROVEMENTS. (COORDINATE FINAL LOCATION IN FIELD). THIS SYSTEM IS DESIGNED FOR A MAXIMUM FLOW OF 30 GPM WITH A MINIMUM STATIC PRESSURE OF 65 PSI AT THE POINT OF CONNECTION. CONTRACTOR MUST PERFORM A STATIC WATER PRESSURE TEST TO CONFIRM WATER PRESSURE AND NOTIFY LANDSCAPE ARCHITECT IF THE PRESSURE DIFFERS MORE THAN 10% THAN THE DESIGN PRESSURE OF 65 PSI.

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LANDSCAPE ARCHITECT

LICENSED LANDSCAPE ARCHITECT — NATIONAL, SIMILAR, AND MEMBER — MARK STEVENS — No. 5644 — Exp. 09-31-20 — STATE OF CALIFORNIA

Date: 5/16/2019

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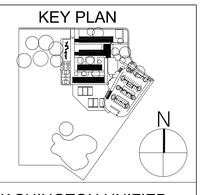
KEY PLAN



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IRRIGATION PLAN

Date
05/20/19

Scale
AS NOTED

Project Number
19003.1

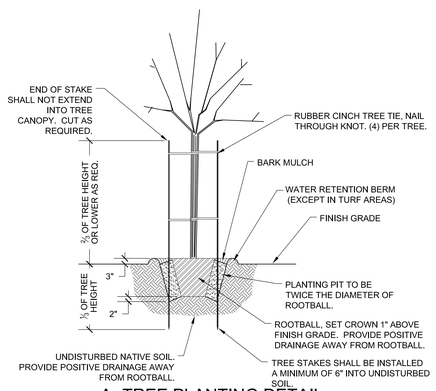
Drawing Number
L2

PLANTING NOTES

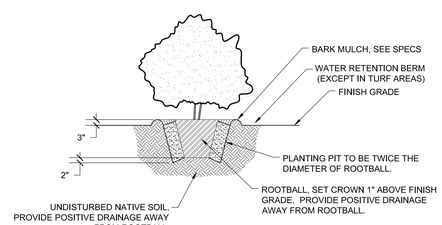
1. PLANTING SHALL CONFORM TO CITY REQUIREMENTS FOR LANDSCAPE SITE DEVELOPMENT.
2. PROVIDE MINIMUM SLOPE OF 1½% FOR POSITIVE DRAINAGE AWAY FROM CENTER IN ALL PLANTED AREAS.
3. THE PLANT QUANTITES SHOWN ON THE DRAWINGS ARE INFORMATIONAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR FINAL QUANTITIES REQUIRED TO COMPLETE THE WORK. IN CASE OF DESCREPANCY, THE PLAN SHALL GOVERN.
4. ALL TREES SHALL BE PLANTED A MINIMUM OF 5' FROM UNDERGROUND UTILITIES.
5. ALL EXISTING TREES SHALL BE PROTECTED FROM DAMAGE OR INJURY. NO PARKING OR STACKING OF CONSTRUCTION MATERIAL IS ALLOWED WITHIN THE DRIPLINE OF AN EXISTING TREE.
6. IMMEDIATELY AFTER AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANT MATERIAL IS AVAILABLE FROM COMMERCIAL NURSERIES. IN THE EVENT THAT A PLANT IS NOT AVAILABLE, THE LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.
7. THE CONTRACTOR SHALL ENSURE THAT ALL EXCAVATED PLANT PITS HAVE POSITIVE DRAINAGE. PLANT PITS SHALL BE FULLY FILLED WITH WATER AND SHALL DRAIN WITHIN ONE (1) HOUR OF FILLING. THE CONTRACTOR SHALL EXCAVATE THROUGH ANY IMPERVIOUS LAYER IF ENCOUNTERED.
8. ALL PLANT MATERIAL SHALL COMPLY WITH ANSI Z601 'STANDARD FOR NURSERY STOCK'.
9. 24" PANEL ROOT BARRIERS SHALL BE PROVIDED FOR ALL TREES WITHIN 10' OF ANY CURB AND/OR HARDSCAPE PAVEMENT. INSTALL PER DETAIL ON SHEET L1.
10. ALL NON-TURF AND NON-BIOSWALE PLANTER AREAS SHALL RECEIVE A 3" LAYER OF BARK MULCH.
11. THE CONTRACTOR SHALL PROVIDE A SOILS REPORT PREPARED BY A QUALIFIED SOILS SPECIALIST AND SUBMIT TO THE OWNER FOR FINAL APPROVAL. SOILS SAMPLES SHALL BE COLLECTED AFTER AFTER PLACEMENT OF SOIL WITHIN PLANTER AREAS AFTER ROUGH GRADING OPERATIONS AND PRIOR TO THE INSTALLATION OF PLANT MATERIAL. SOIL SAMPLES SHALL BE SUFFICIENTLY NUMEROUS TO ACCOUNT FOR ANY SOIL VARIATIONS THAT MAY BE PRESENT ON THE SITE. THE FOLLOWING MINIMUM ITEMS SHALL BE INCLUDED IN THE ANALYSIS:
    A. INFILTRATION RATE.
    B. SOIL TEXTURE.
    C. CATION EXCHANGE CAPACITY.
    D. SOIL FERTILITY INCLUDING TESTS FOR NITROGEN, POTASSIUM, PHOSPHOROUS, PH, ORGANIC MATTER AND SPECIFIC CONDUCTANCE (E.C.).
12. PRIOR TO PLANTING, SOIL AMENDMENTS SHALL BE ADDED PER RECOMMENDATIONS OF THE SOILS REPORT. SOIL AMENDMENTS SHOWN ON THE PLANS ARE TO BE USED FOR BIDDING PURPOSES ONLY. THE RESULTS OF THE SOILS TESTS THE CONTRACTOR PERFORMS SHALL DETERMINE ACTUAL AMENDMENTS.
13. THE CONTRACTOR SHALL PROVIDE THE OWNER A STATEMENT IN WRITING STATING THAT THE SOIL WAS AMENDED PER THE APPROVED SOIL ANALYSIS PRIOR TO PLANTING. ANY PLANTING INSTALLED PRIOR TO SOIL AMENDMENTS WILL BE REQUIRED TO BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
14. THE CONTRACTOR SHALL SUBMIT NAME OF SOIL TESTING LABORATORY AND A SUMMARY OF THE TEST TO BE PERFORMED TO OWNER FOR APPROVAL PRIOR TO COLLECTING SAMPLE.
15. REMOVE ALL DELETERIOUS MATERIALS, CONSTRUCTION DEBRIS, TRASH ETC FROM PLANTER AREAS PRIOR TO INSTALLATION OF PLANT MATERIAL. THE TOP SIX INCHES (6") OF THE SOIL SHALL BE FREE OF DEBRIS AND ROCKS THAT ARE GREATER THAN ONE INCH (1") IN DIAMETER.

PLANT LEGEND

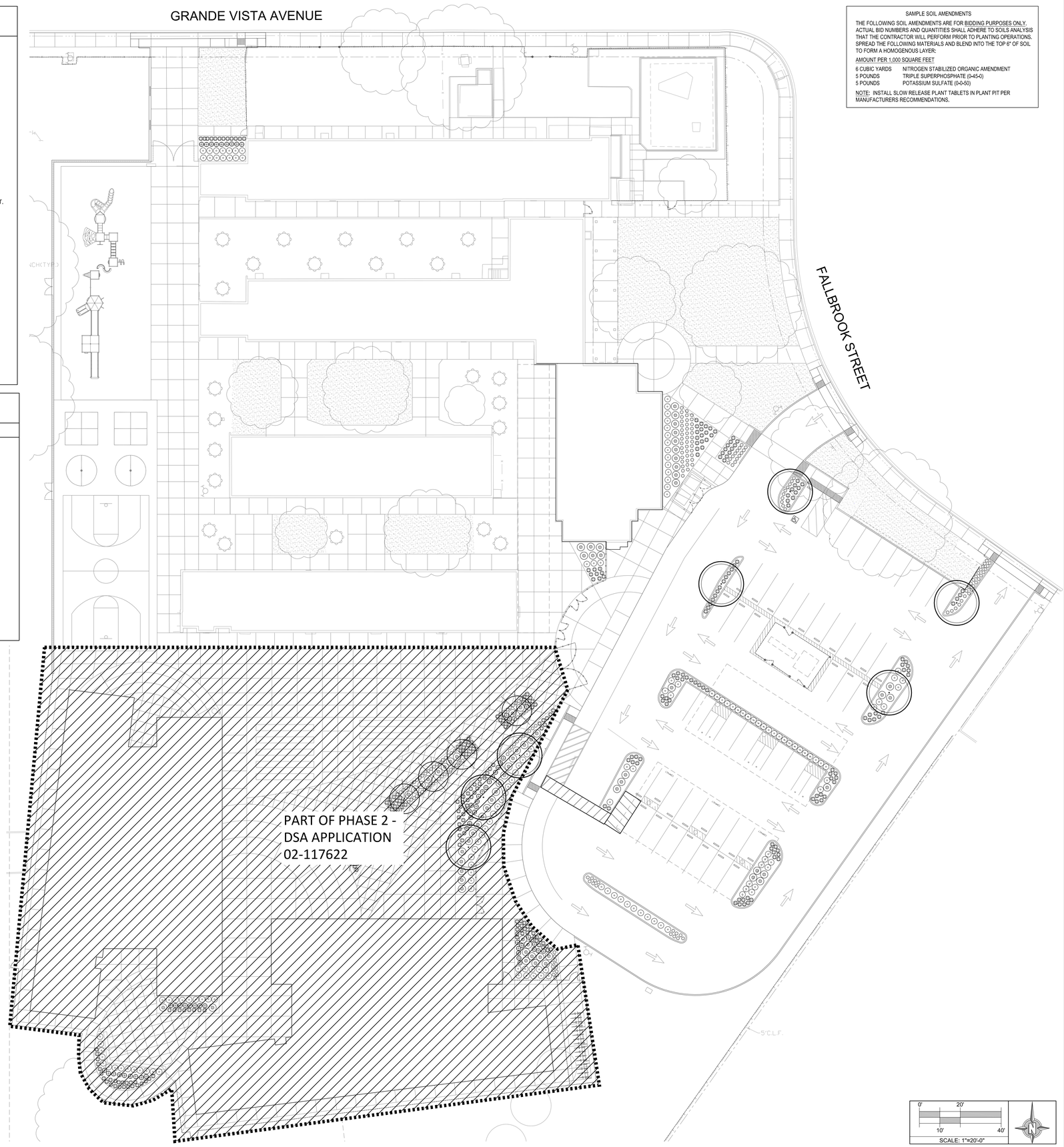
SYM	BOTANICAL/ COMMON NAME	SIZE	QTY	REMARKS
	TREES			
	LAGERSTROEMIA INDICA 'DYNAMITE'/CRAPE MYRTLE	15 GAL	6	
	PYRUS CALLERYANA 'ARISTOCRAT'/ ORNAMENTAL PEAR	15 GAL	7	
	SHRUBS			
	DIANELLA LITTLE REV / FLAX LILY	1 GAL	199	
	LANTANA MONTEVIDENSIS 'PURPLE'/ TRAILING LANTANA	1 GAL	69	
	NANDINA 'FIREPOWER' / DWARF HEAVENLY BAMBOO	5 GAL	153	
	PITTOSPORUM TENUIFOLIUM 'ELFIN' / COMPACT PITTOSPORUM	5 GAL	69	
	TULBAGHIA VIOLACEA / SOCIETY GARLIC	1 GAL	306	
	LAWN			
	REMOVE EXISTING LAWN AND INSTALL NEW SOD LAWN. NOTE: ANY LAWN NOT BOUND BY HARDSCAPE SHALL BE INSTALLED WITH A 6" CONCRETE MOW CURB.	SOD		



A- TREE PLANTING DETAIL
NTS



B- SHRUB PLANTING DETAIL
NTS



SAMPLE SOIL AMENDMENTS

THE FOLLOWING SOIL AMENDMENTS ARE FOR BIDDING PURPOSES ONLY. ACTUAL BID NUMBERS AND QUANTITIES SHALL ADHERE TO SOILS ANALYSIS THAT THE CONTRACTOR WILL PERFORM PRIOR TO PLANTING OPERATIONS. SPREAD THE FOLLOWING MATERIALS AND BLEND INTO THE TOP 6" OF SOIL TO FORM A HOMOGENOUS LAYER:

AMOUNT PER 1,000 SQUARE FEET

6 CUBIC YARDS	NITROGEN STABILIZED ORGANIC AMENDMENT
5 POUNDS	TRIPLE SUPERPHOSPHATE (0-45-0)
5 POUNDS	POTASSIUM SULFATE (0-0-50)

NOTE: INSTALL SLOW RELEASE PLANT TABLETS IN PLANT PIT PER MANUFACTURERS RECOMMENDATIONS.

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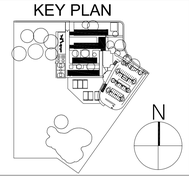

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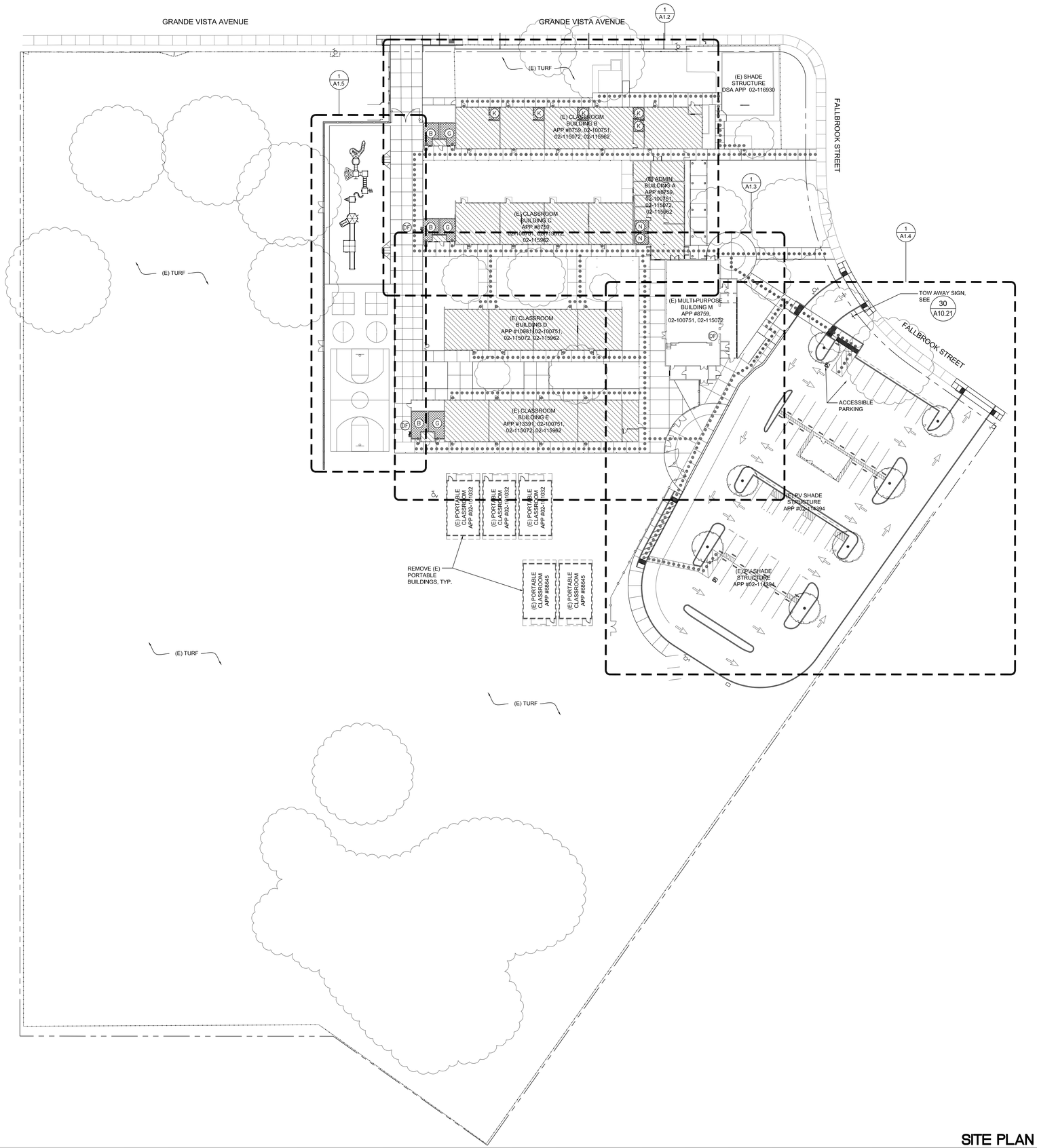
PLANTING PLAN

Date
05/20/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
L3



SITE PLAN 1

LEGEND

- ACCESSIBLE PATH OF TRAVEL
- PROPERTY LINE
- AREA OF CLASSROOM MODERNIZATION WORK
- NEW CONCRETE PAVING, SEE CIVIL DWG
- NEW ASPHALT PAVING, SEE CIVIL DWG
- (E) CHAIN LINK FENCE TO REMAIN
- NEW CHAIN LINK FENCE
- NEW ORNAMENTAL FENCE
- (E) ACCESSIBLE RESTROOMS UPGRADE THIS APPLICATION
  - (W) WOMEN
  - (G) GIRLS AGES 5-8
  - (M) MEN
  - (B) BOYS, AGES 5-8
- (N) ACCESSIBLE RESTROOMS THIS APPLICATION
  - (K) AGES 5-6
  - (N) GENDER NEUTRAL
  - (DF) (E) ACCESSIBLE DRINKING FOUNTAIN PER APP #02-100751

GENERAL NOTES

A. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

B. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEDING 1/4" MAX, AND AT LEAST 48" WIDE. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTON OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.

C. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

D. ALL SIDEWALKS ALONG THE ACCESSIBLE ROUTE TO BE A MINIMUM OF 4'-0" WIDE, AND THERE SHALL BE NO DROP-OFFS OVER 4" AT EDGE OF WALK OR LANDING. WHERE A 4" DROP-OFF DOES OCCURS, PROVIDE A 6" HIGH WARNING CURB OR GUARD OR HANDRAIL. (SEE CBC SECTION 11B-303.5)

E. GATES ALONG ACCESSIBLE ROUTE SHALL MEET DOOR REQUIREMENTS PER CBC SECTION 11B-404 INCLUDING PANIC HARDWARE AND 10" MIN SMOOTH BOTTOM OR KICK PLATE.

F. FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.

PARKING ANALYSIS

(E) PARKING STALLS TOTAL	TOTAL ACCESSIBLE STALLS REQ'D (NOTE 1)	TOTAL VAN ACCESSIBLE STALLS REQ'D (NOTE 2)	TOTAL (E) ACCESSIBLE STALLS PROVIDED
45	2	1	ACCS - 2 VAN - 1

NOTES:

1. PER TABLE 11B-208.2 OF THE C.B.C ACCESSIBLE PARKING SPACES REQUIRED
2. PER TABLE 11B-208.2.4 OF THE C.B.C VAN ACCESSIBLE PARKING SPACE REQUIRED

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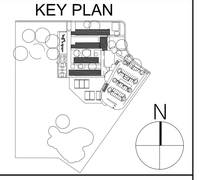

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CONSTRUCTION DOCUMENTS

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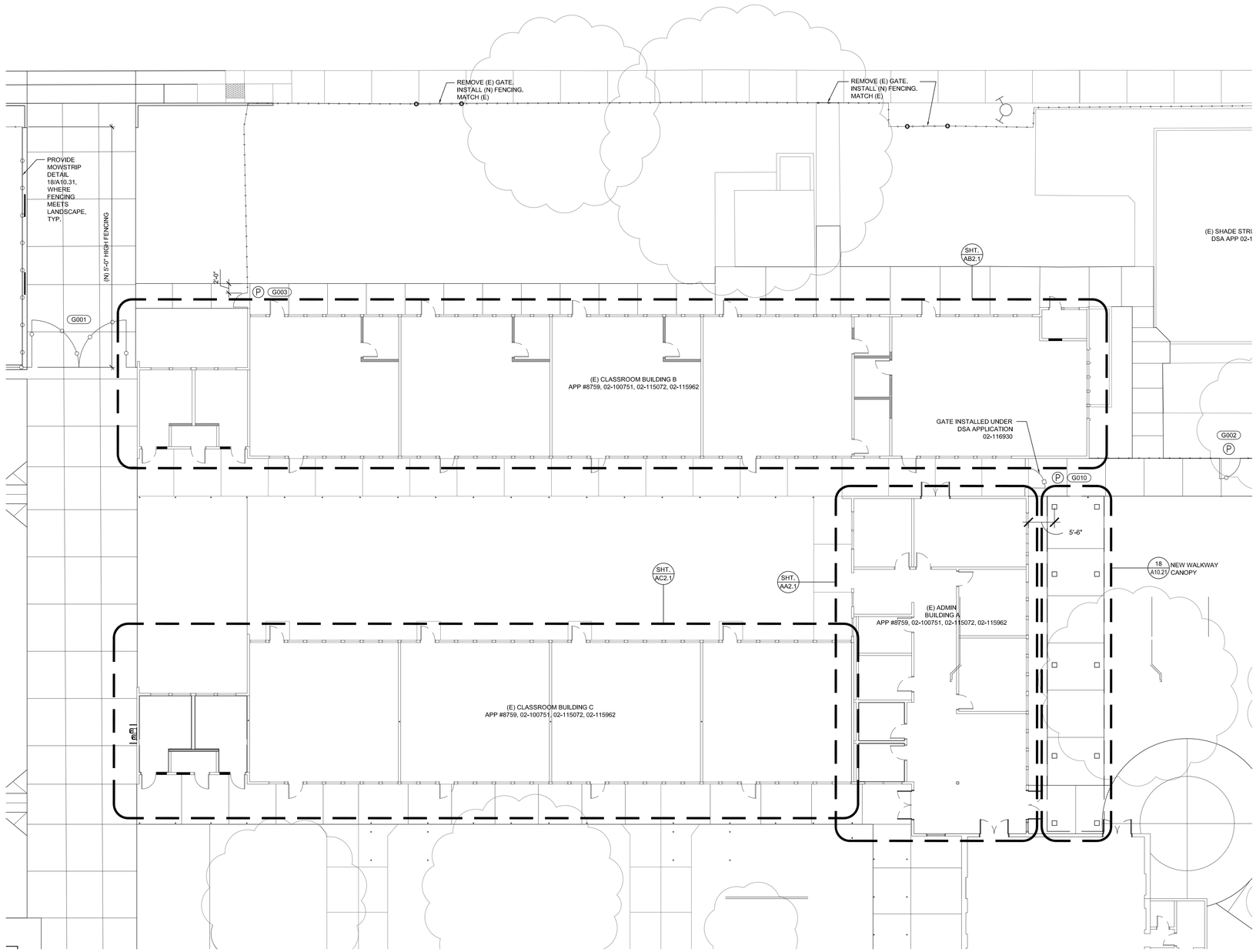
OVERALL SITEPLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number A1.1



N

SCALE: 1" = 10'-0"

SITE PLAN 1

LEGEND

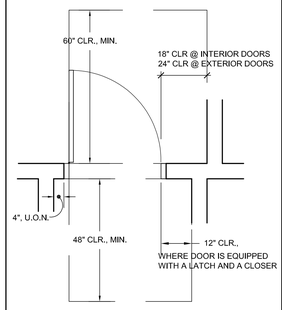
(E) CHAIN LINK FENCE TO REMAIN

NEW CHAIN LINK FENCE

NEW ORNAMENTAL FENCE

GENERAL NOTES

GATE CLEARANCES:



LEGEND

X GATE - SEE GATE SCHEDULE ON SHEET A9.1

P PANIC HARDWARE DEVICE

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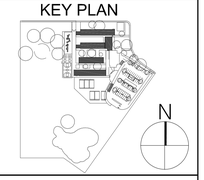

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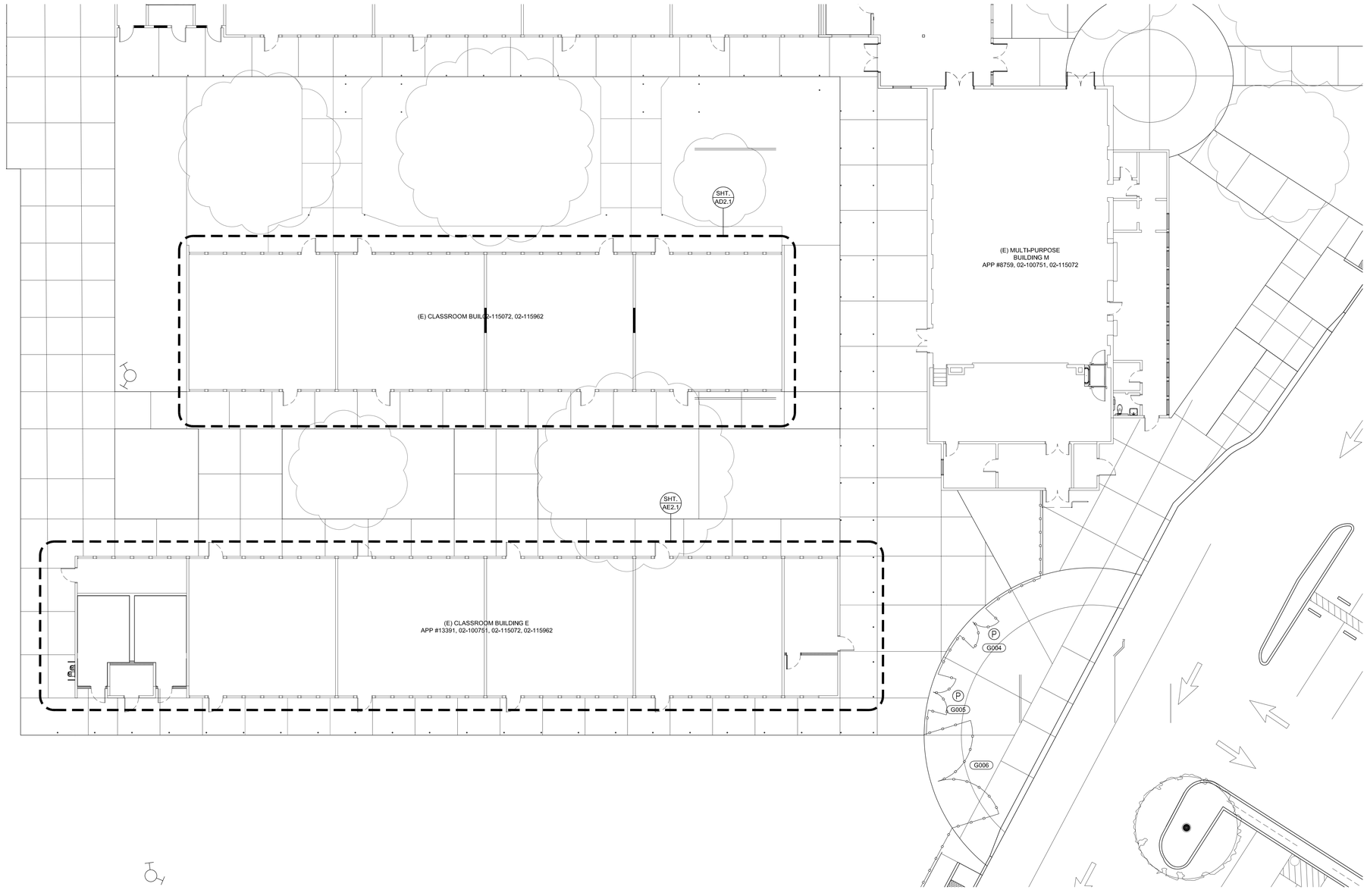
ENLARGED SITE PLAN

Date 03/18/19

Scale AS NOTED

Project Number 19003.1

Drawing Number A1.2



N

SCALE: 1" = 10'-0"

ENLARGED SITE PLAN 1

LEGEND

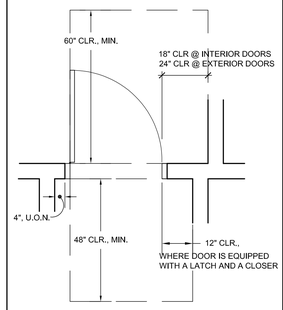
(E) CHAIN LINK FENCE TO REMAIN

NEW CHAIN LINK FENCE

NEW ORNAMENTAL FENCE

GENERAL NOTES

GATE CLEARANCES:



LEGEND

X GATE - SEE GATE SCHEDULE ON SHEET A9.1

P PANIC HARDWARE DEVICE

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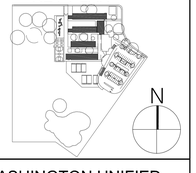

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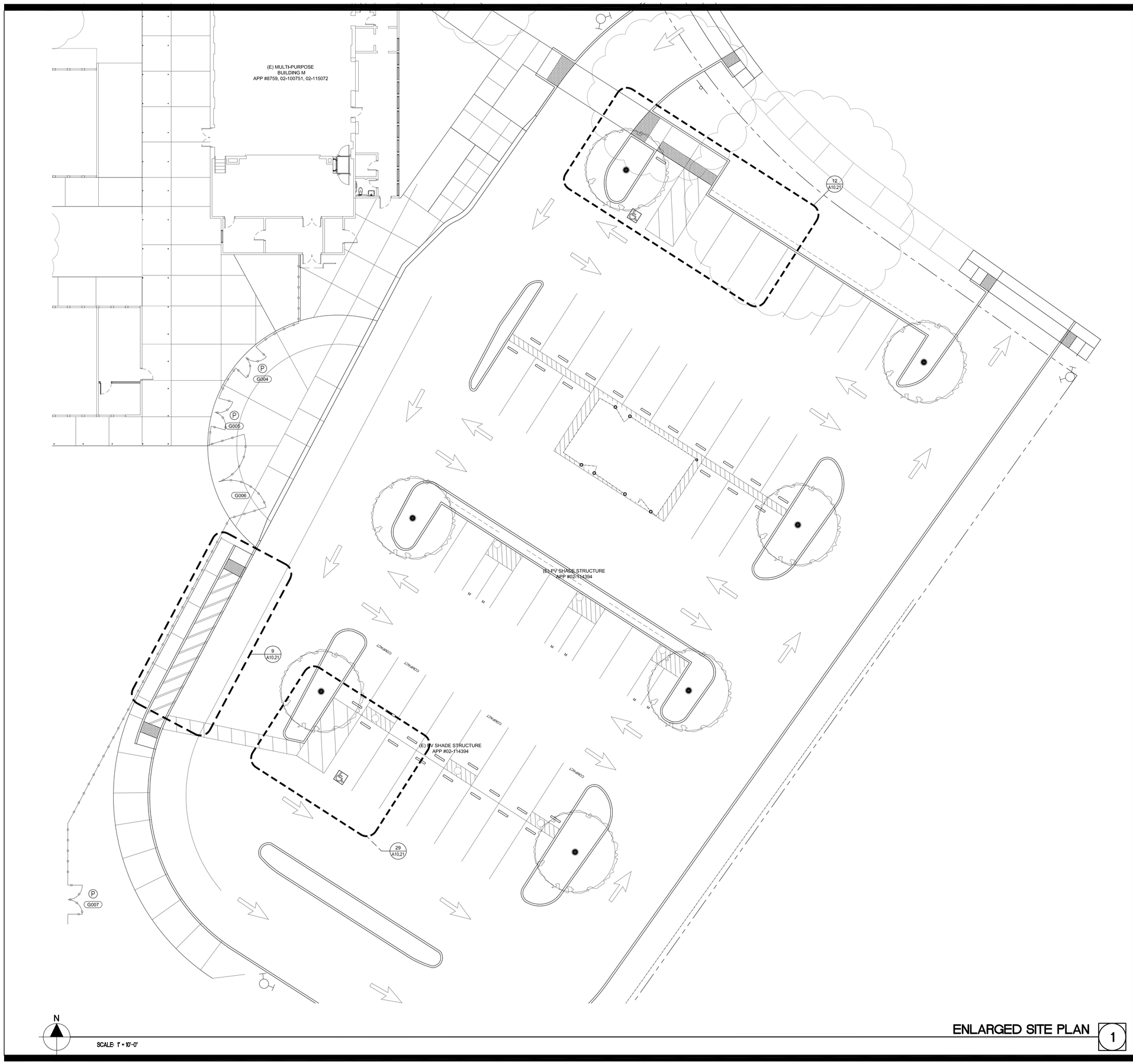
ENLARGED SITE PLAN

Date 03/18/19

Scale AS NOTED

Project Number 19003.1

Drawing Number A1.3



ENLARGED SITE PLAN 1

LEGEND

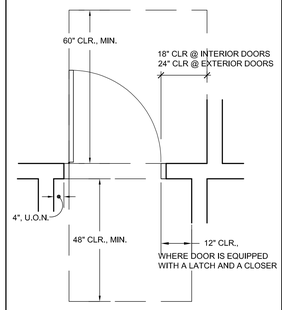
(E) CHAIN LINK FENCE TO REMAIN

NEW CHAIN LINK FENCE

NEW ORNAMENTAL FENCE

GENERAL NOTES

GATE CLEARANCES:



LEGEND

X GATE - SEE GATE SCHEDULE ON SHEET A9.1

P PANIC HARDWARE DEVICE

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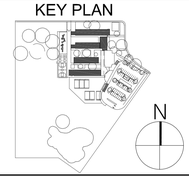
KEY PLAN



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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

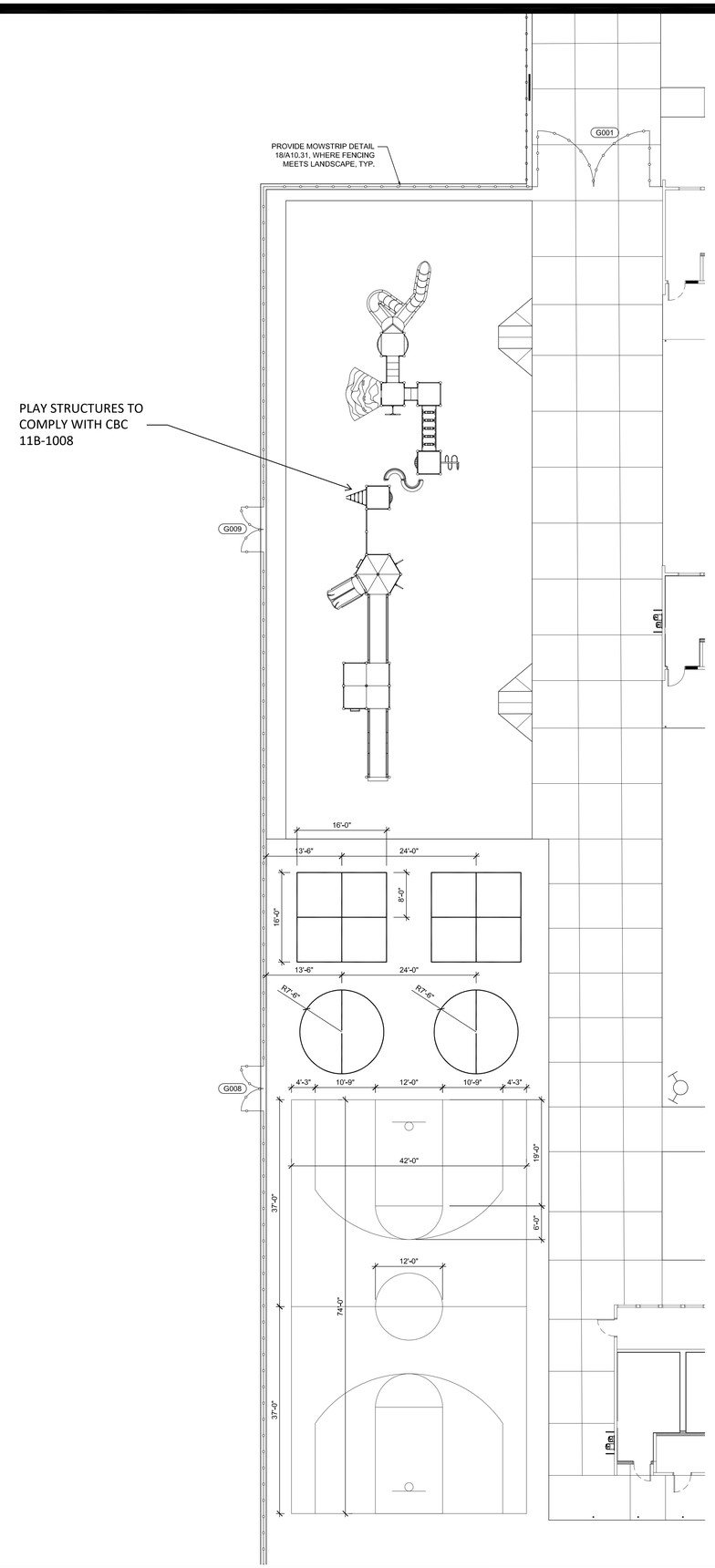
ENLARGED SITE PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
A1.4



N

SCALE: 1" = 10'-0"

SITE PLAN 1

LEGEND

(E) CHAIN LINK FENCE TO REMAIN

NEW CHAIN LINK FENCE

LEGEND

X GATE - SEE GATE SCHEDULE ON SHEET A9.1

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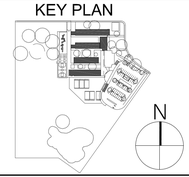
KEY PLAN



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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

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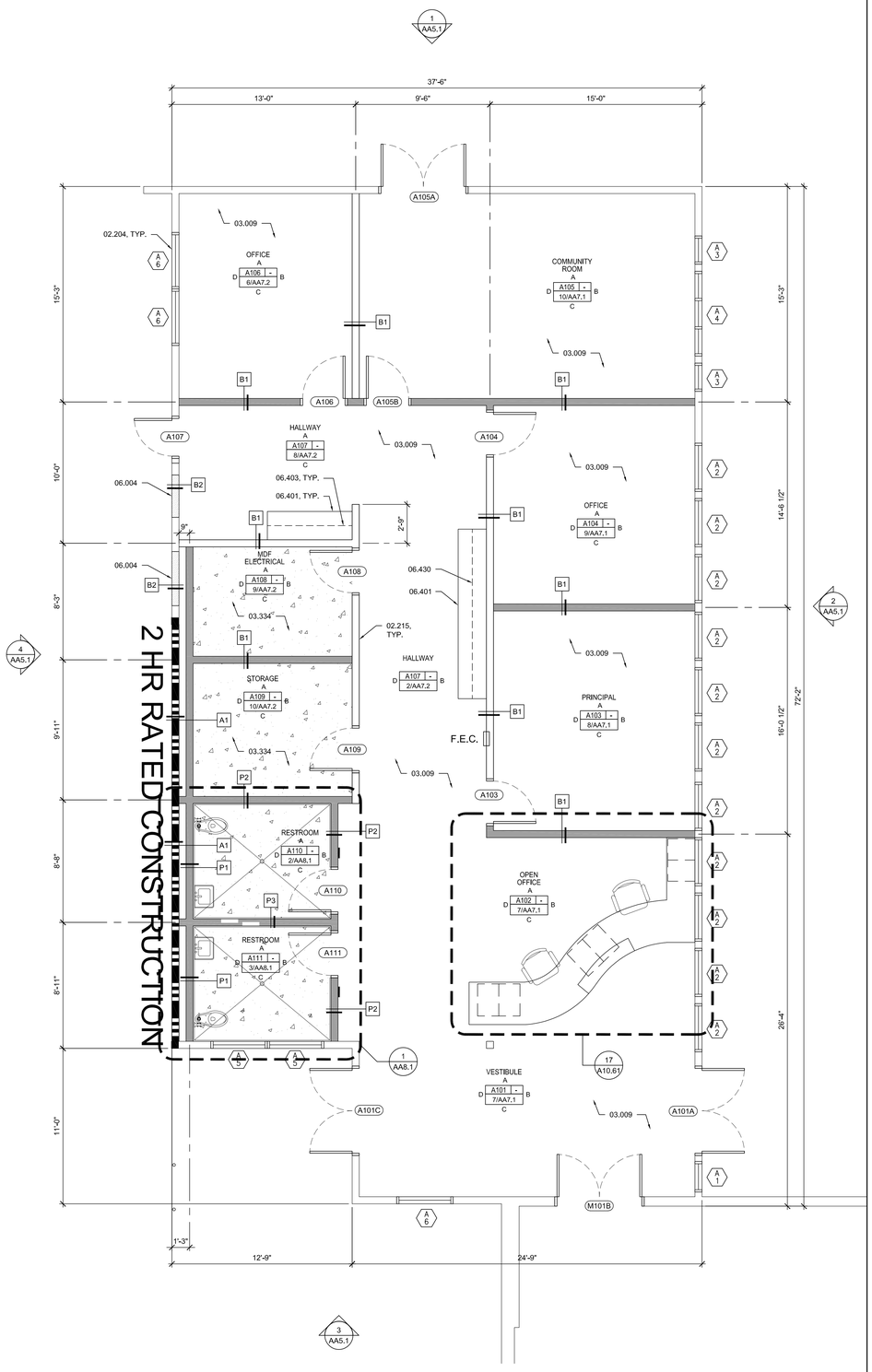
ENLARGED SITE PLAN

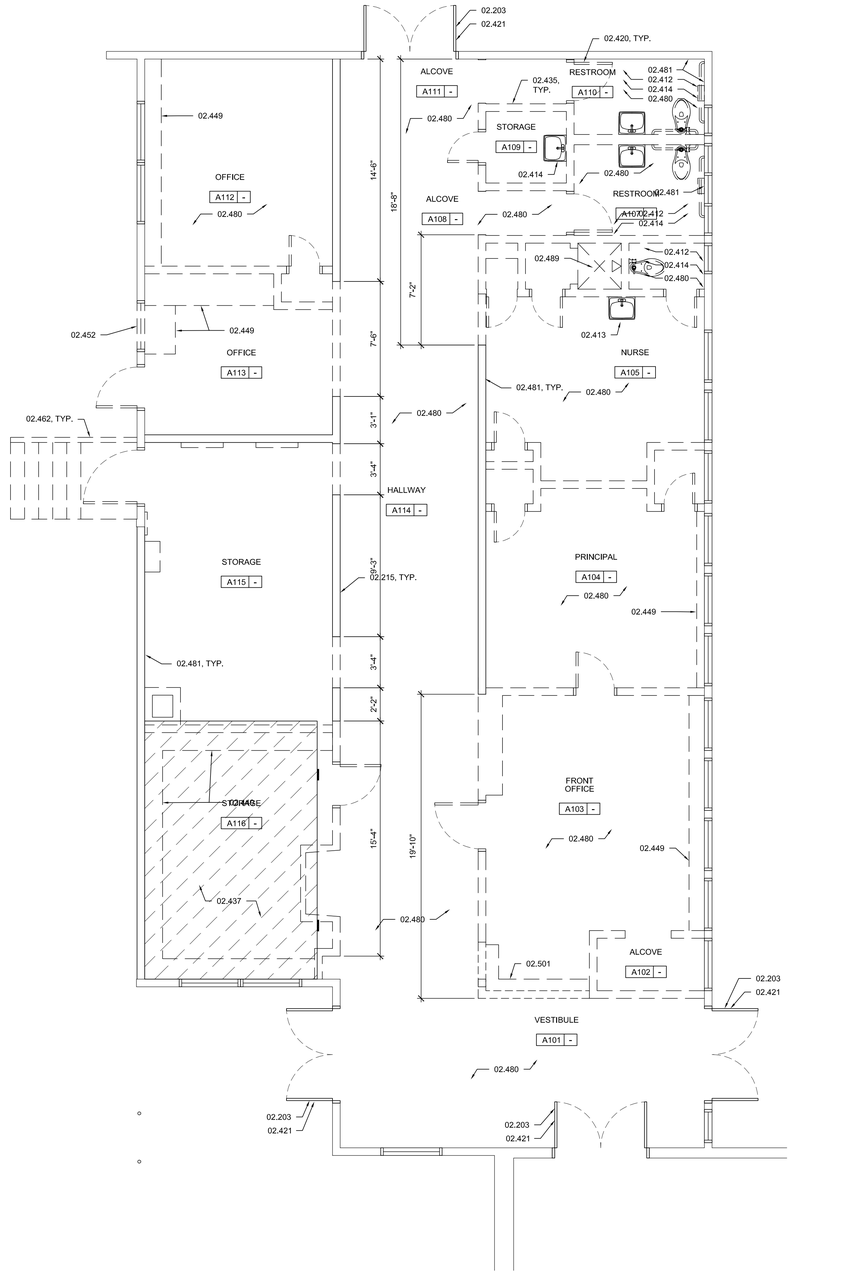
Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number A1.5



BUILDING A - PROPOSED FLOOR PLAN 2

SCALE: 1/4" = 1'-0"



BUILDING A - DEMOLITION FLOOR PLAN 1

SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

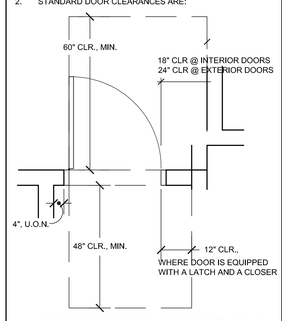
02.203	–	(E) DOOR TO REMAIN
02.204	–	(E) WINDOW TO REMAIN
02.215	–	(E) WALL TO REMAIN
02.412	–	REMOVE ALL (E) TOILET ACCESSORIES AT THIS ROOM
02.413	–	REMOVE (E) PLUMBING FIXTURE (SEE PLUMBING DWGS)
02.414	–	REMOVE (E) PLUMBING FIXTURE (TYP. FOR ALL FIXTURES IN THIS ROOM) (SEE PLUMBING DWGS.)
02.420	–	REMOVE (E) DOOR, HARDWARE & DOOR FRAME
02.421	–	REMOVE (E) HARDWARE
02.435	–	REMOVE (E) WALL
02.437	–	REMOVE/DEMOLISH (E) FLOOR SLAB
02.449	–	REMOVE (E) SHELVING UNITS, TYP.
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
02.462	–	REMOVE (E) CONCRETE STEPS AND HANDRAILS
02.480	–	REMOVE (E) FLOOR FINISH TO CONCRETE SLAB. PREPARE CONCRETE FOR NEW WORK.
02.481	–	REMOVE (E) WALL FINISH(ES) TO STUDS
02.489	–	REMOVE (E) SHOWER & FIXTURES
02.501	–	REMOVE (E) COUNTERTOP
03.009	–	POLISH (E) CONCRETE FLOORS
03.334	–	POLISH CONCRETE FLOOR
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.401	–	BASE CABINET (SEE DET. 7/ A10.61)
06.403	–	UPPER CABINET (SEE SHEET 7/ A10.6.1)
06.430	–	CUBBIES

DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
4. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
5. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 33 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 33 OF THE BUILDING CODE FOR EXISTING STRUCTURES.
6. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING APPROXIMATE. VERIFY IN THE FIELD.

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR SIGNAGE AND FINISHES SCHEDULES, SEE A9.3 & A9.4

LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- REMOVE (E) SLAB THIS AREA. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL WORK
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) FULL HEIGHT WALL. SEE S1.2
- WALL INFILL, SEE S1.3
- FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- XX — WALL TYPE SYMBOL. SEE SHEET A10.51 FOR WALL TYPE INFORMATION
- F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/ A10.101

ADD-ALTERNATE

A/X — ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW. SEE WINDOW SCHEDULE ON SHEET A9.2

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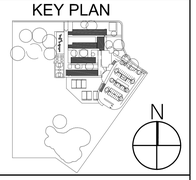
KEY PLAN



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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
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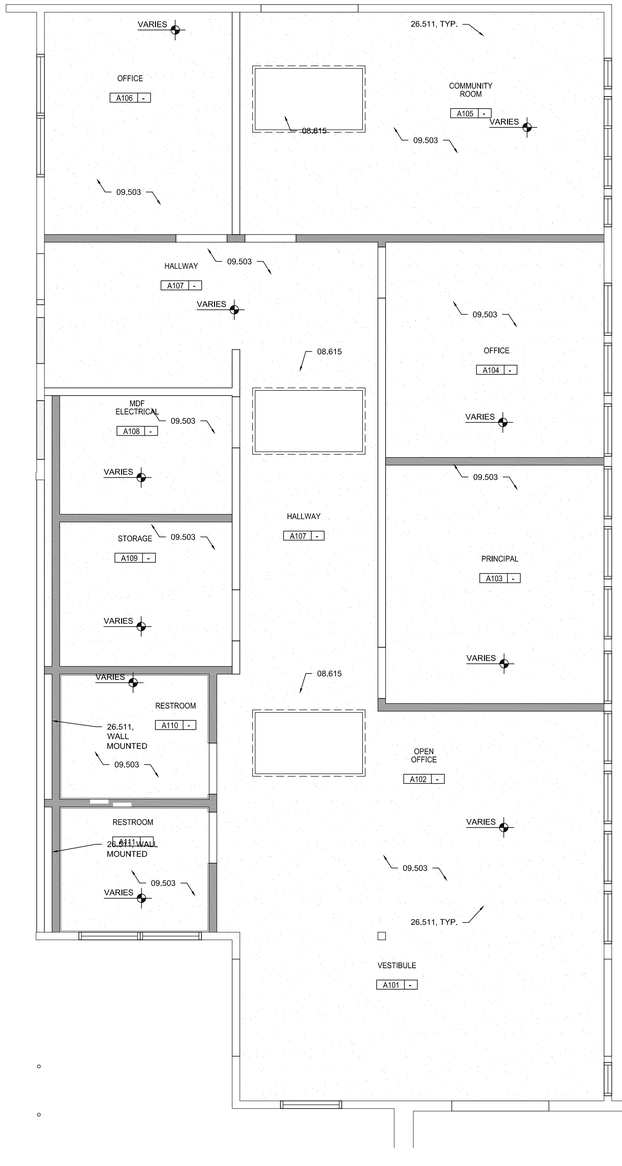
WEST SACRAMENTO, CA 95691

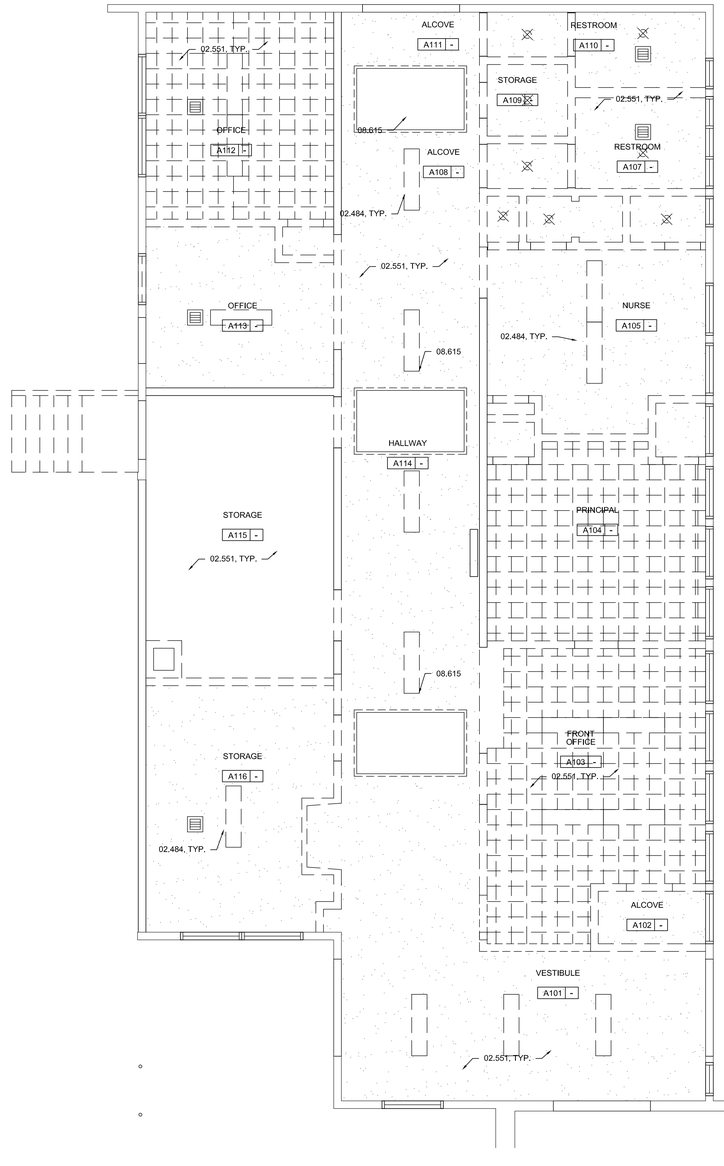
BUILDING A
FLOOR PLANS

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number AA2.1



BULDING A - PROPOSED REFLECTED CEILING PLAN 2

SCALE: 1/4" = 1'-0"



BULDING A - DEMOLITION REFLECTED CEILING PLAN 1

SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

02.484	–	REMOVE (E) LIGHT FIXTURE
02.551	–	REMOVE (E) CEILING FINISH
08.615	–	(E) SKYLIGHT TO REMAIN
09.503	–	GYP BOARD CEILING 21 AND 23/A10.101
26.511	–	LIGHT FIXTURE (SEE ELECTRICAL DWGS.)

GENERAL NOTES

A. SEE SHEET A9.3 FOR FINISH SCHEDULE.

B. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SUPPORTS & BRACING.

C. SEE MECHANICAL AND PLUMBING DRAWINGS FOR HVAC AND PLUMBING EQUIPMENT AND FIXTURES.

CEILING LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- (N) FULL HEIGHT WALL, SEE S1.2 AND SA3.1
- WALL INFILL, SEE S1.3 AND SA3.1
- RETURN AIR REGISTER/EXHAUST AIR GRILLE. SEE ELECTRICAL DRAWINGS
- SURFACE MOUNTED LED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS
- X'-X" CEILING HEIGHTS SHOWN ON THIS SHEET ARE TAKEN FROM FINISH FLOOR OF CONCRETE, U.O.N. SEE DETAIL16/10.101

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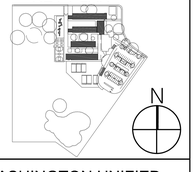
KEY PLAN



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CONSTRUCTION DOCUMENTS

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WEST SACRAMENTO, CA 95691

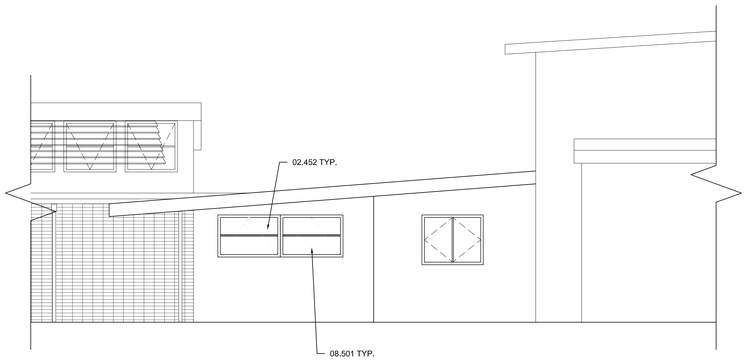
BUILDING A
REFLECTED CEILING PLAN

Date
03/18/19

Scale
AS NOTED

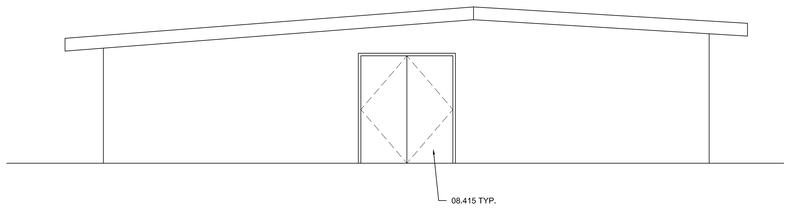
Project Number
19003.1

Drawing Number
AA3.1



EXTERIOR ELEVATION - SOUTH 4

SCALE: 1/4" = 1'-0"



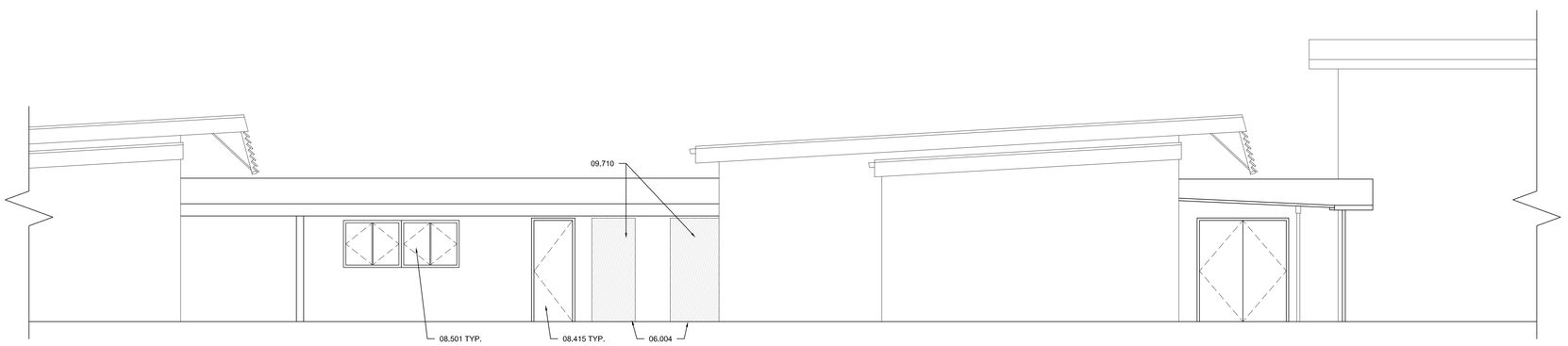
EXTERIOR - ELEVATION - NORTH 1

SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION - EAST 2

SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATION - WEST 3

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
08.415	–	STEEL FRAMED DOOR (SEE DOOR SCHEDULE)
08.501	–	STEEL FRAMED WINDOW (SEE WINDOW SCHEDULE)
09.710	–	CEMENT PLASTER

ADD-ALTERNATE REFERENCE KEYNOTES

02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

WALL INFILL, SEE S1.3 AND SA3.1

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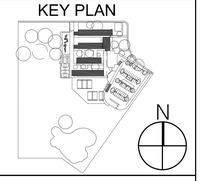

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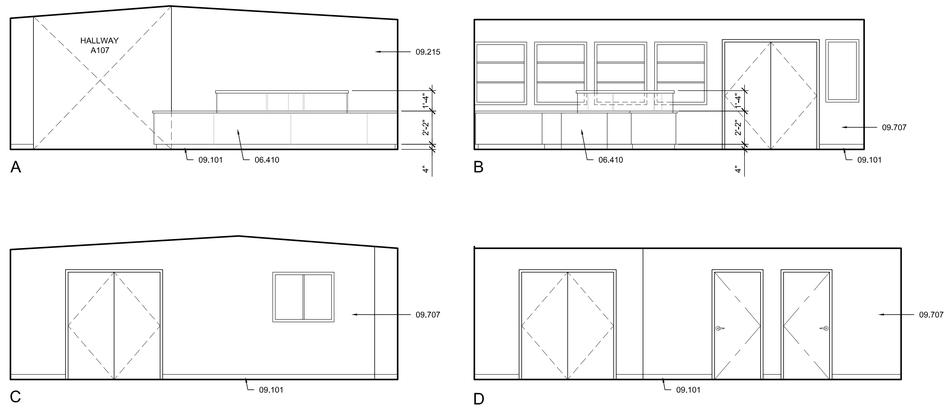
BUILDING A EXTERIOR ELEVATIONS

Date
03/18/19

Drawing Number
AA5.1

Scale
AS NOTED

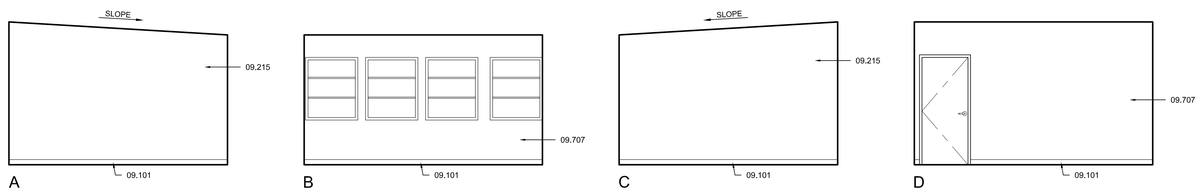
Project Number
19003.1



VESTIBULE A101 AND OPEN OFFICE A102 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

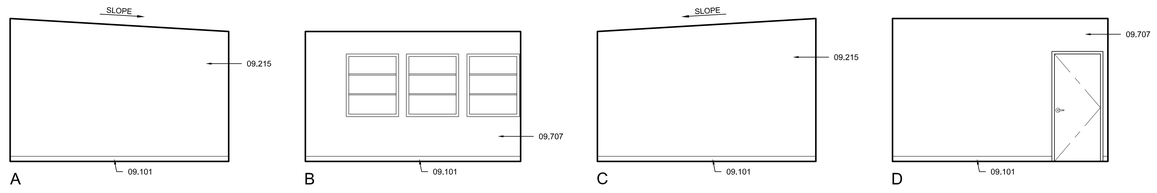
1



PRINCIPAL - A103 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

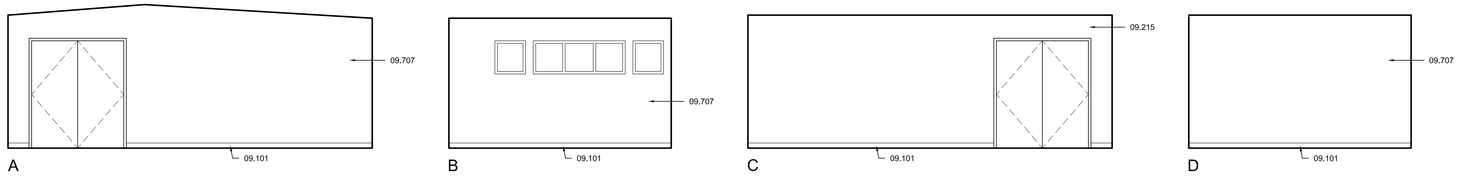
2



OFFICE - A104 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

3



COMMUNITY ROOM - A105 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

4

REFERENCE NOTES

06.410	–	RECEPTION COUNTER (SEE DET. 17/A10.61)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.215	–	GYP BOARD
09.707	–	PAINT (E) WALL SURFACE, ALL WALLS

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT.A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.

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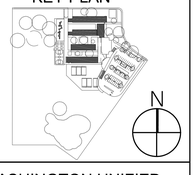

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BUILDING A
INTERIOR ELEVATIONS

Date
03/18/19

Scale
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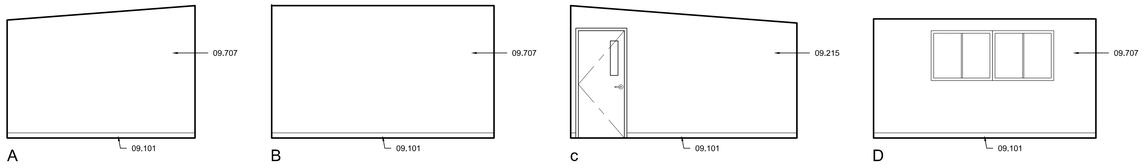
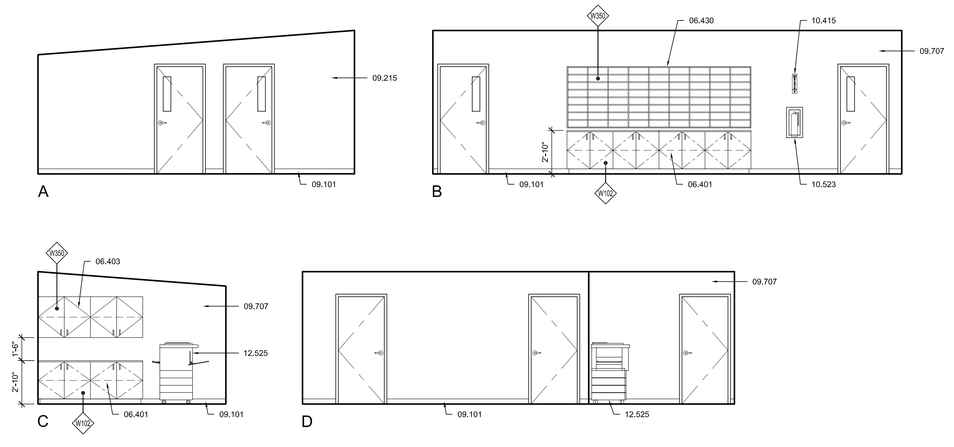
Project Number
19003.1

Drawing Number
AA7.1



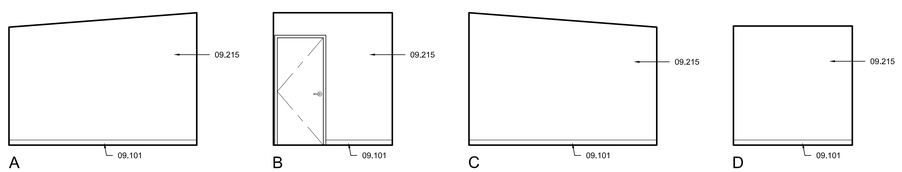
OFFICE - A106 - INTERIOR ELEVATIONS 6

SCALE: 1/4" = 1'-0"



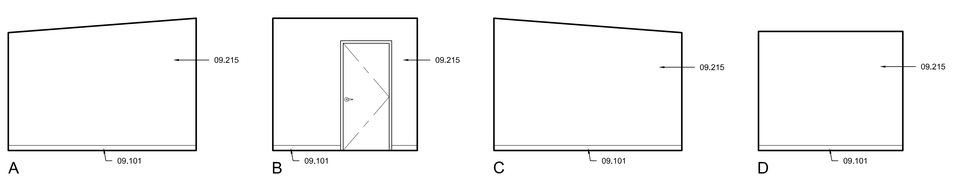
HALLWAY - A107 - INTERIOR ELEVATIONS 8

SCALE: 1/4" = 1'-0"



MDF/ELECTRICAL - A108 - INTERIOR ELEVATIONS 9

SCALE: 1/4" = 1'-0"



STORAGE - A109 - INTERIOR ELEVATIONS 10

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

06.401	-	BASE CABINET (SEE DET. 7/ A10.61)
06.403	-	UPPER CABINET (SEE SHEET 7/ A10.6.1)
06.430	-	CUBBIES
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.215	-	GYP BOARD
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/ A10.101)
12.525	-	COPIER/PRINTER

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101

LEGEND

CW8 — CABINETRY, SEE SHEET A10.61 FOR ADDITIONAL INFORMATION

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NO.	REMARKS	DATE

	DATE
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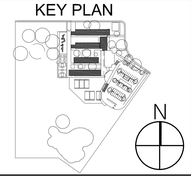
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

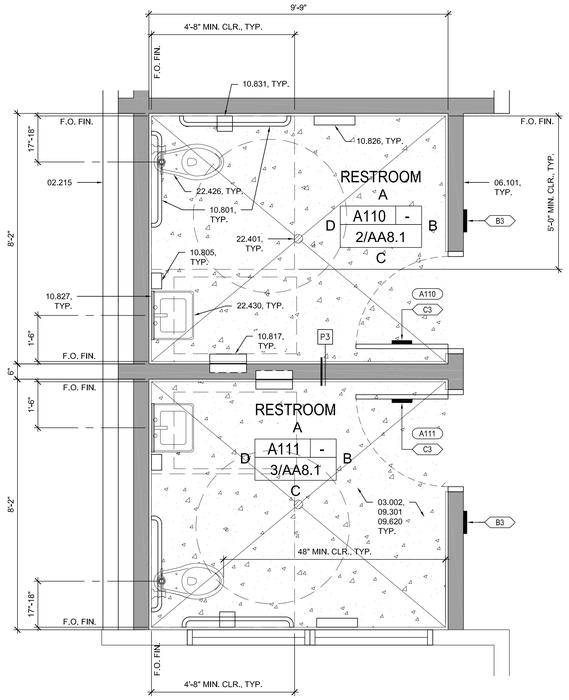
BUILDING A
INTERIOR ELEVATIONS

Date
03/18/19

Drawing Number
AA7.2

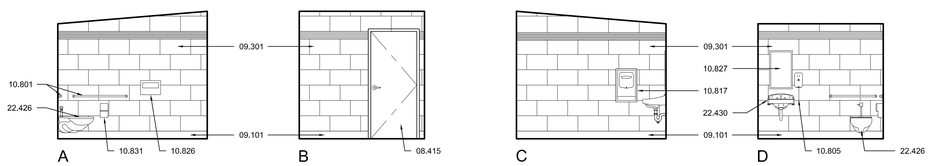
Scale
AS NOTED

Project Number
19003.1



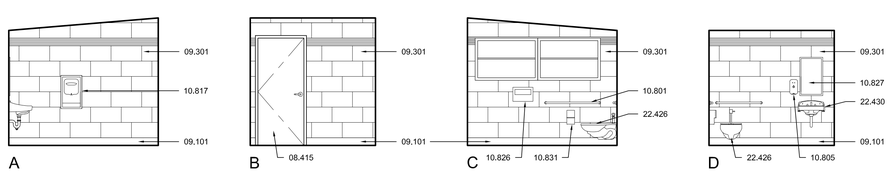
RESTROOMS - A110 AND A111 - ENLARGED PROPOSED FLOOR PLAN **1**

SCALE: 1/2" = 1'-0"



RESTROOMS - A110 - INTERIOR ELEVATIONS **2**

SCALE: 1/2" = 1'-0"



RESTROOMS - A111 - INTERIOR ELEVATIONS **3**

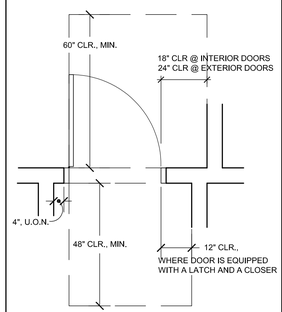
SCALE: 1/2" = 1'-0"

REFERENCE KEYNOTES

02.215	–	(E) WALL TO REMAIN
03.002	–	CONC. SLAB (SEE STRUCTURAL DWGS)
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
08.415	–	STEEL FRAMED DOOR (SEE DOOR SCHEDULE)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.301	–	WALL TILE (SEE DET. 18/ A10.101)
09.620	–	EPOXY FLOORING
10.801	–	ACCESSIBLE GRAB BAR (SEE DET. 17/ A10.101)
10.805	–	SOAP DISPENSER
10.817	–	ELECTRIC HAND DRYER, SEMI-RECESSED
10.826	–	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.831	–	TOILET PAPER DISPENSER
22.401	–	FLOOR DRAIN (SEE PLUMBING DWGS. AND DET. 14/ A10.101)
22.426	–	ACCESSIBLE WATER CLOSET (SEE DET. 10/ A10.101)
22.430	–	ACCESSIBLE LAVATORY (SEE DET. 10/ A10.101)

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4

LEGEND

- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- (N) FULL HEIGHT WALL, SEE S1.2 AND SA3.1
- FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- XXX — SIGNAGE- SEE A9.3 FOR SIGNAGE SCHEDULE AND DETAILS

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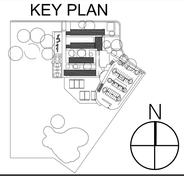

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WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

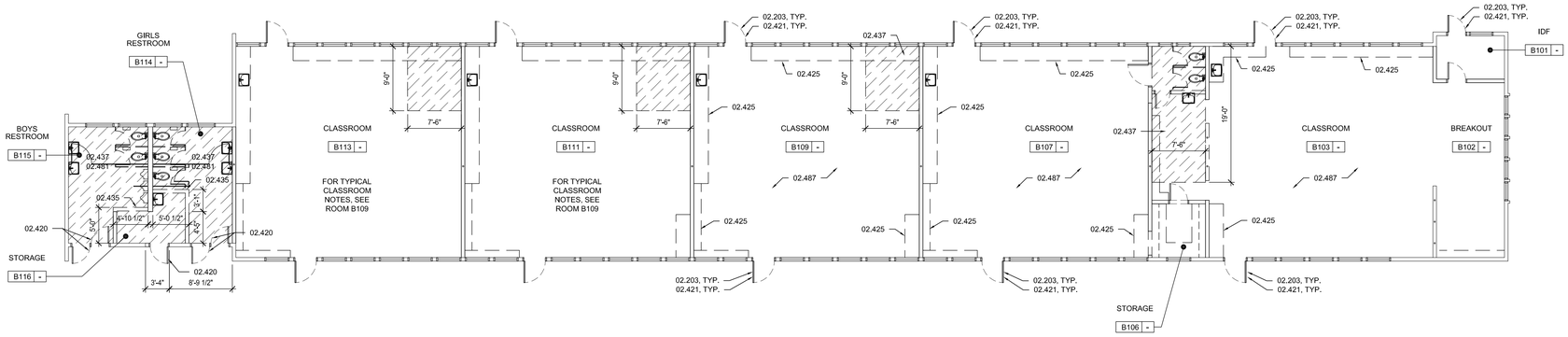
BUILDING A
ENLARGED FLOOR PLANS

Date
03/18/19

Scale
AS NOTED

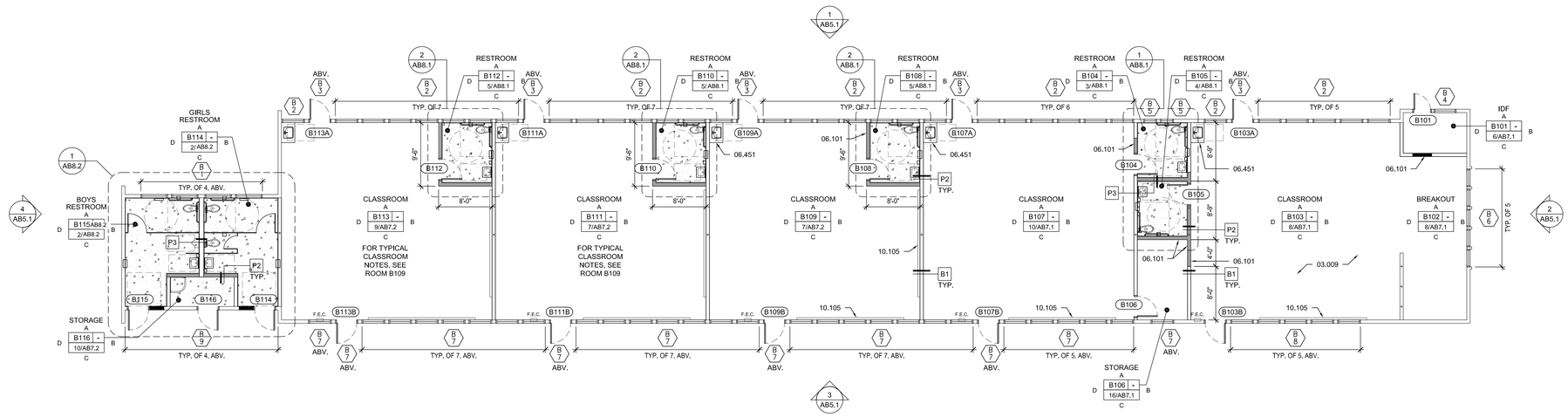
Project Number
19003.1

Drawing Number
AA8.1



BUILDING B - DEMOLITION FLOOR PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING B - PROPOSED FLOOR PLAN 2

SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

02.203	–	(E) DOOR TO REMAIN
02.420	–	REMOVE (E) DOOR, HARDWARE & DOOR FRAME
02.421	–	REMOVE (E) HARDWARE
02.425	–	REMOVE (E) CASEWORK, SINK, ALL PIPES, AND DRAIN ETC, TYP.
02.435	–	REMOVE (E) WALL
02.437	–	REMOVE/DEMOLISH (E) FLOOR SLAB
02.481	–	REMOVE (E) WALL FINISH(ES) TO STUDS
02.487	–	REMOVE (E) CARPET AND FLOOR COVERINGS
03.009	–	POLISH (E) CONCRETE FLOORS
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
06.451	–	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
10.105	–	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)

DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. REFER TO ELEC DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
4. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
5. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 14 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 34 OF THE BUILDING CODE FOR EXISTING STRUCTURES.
6. ALL (E) ITEMS (IE. TV, PROJECTION SCREEN, BRACKETS, ETC.) MOUNTED ON (E) WALLS TO BE REMOVED.
7. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING APPROXIMATE. VERIFY IN THE FIELD.

LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- (N) FULL HEIGHT WALL, SEE S1.2
- (N) INFILL WALL, SEE S1.3
- CUT (E) SLAB THIS AREA.
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- F.E.C. RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/A10.101
- XX WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION

ADD-ALTERNATE LEGEND

B / X ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.62

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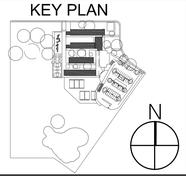

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WEST SACRAMENTO, CA 95691

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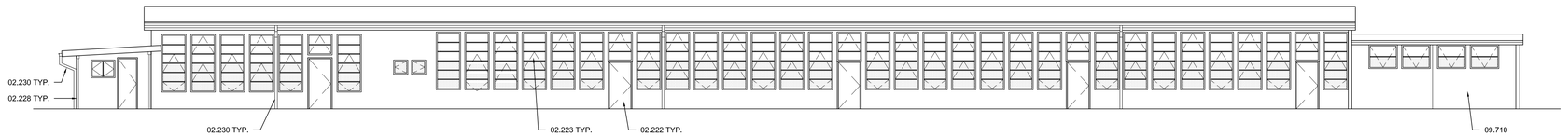
WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING B
FLOOR PLAN

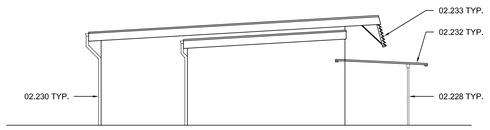
Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number
AB2.1



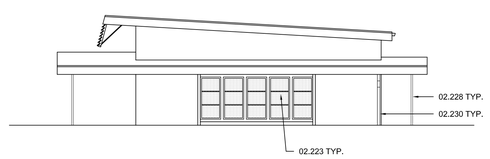
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



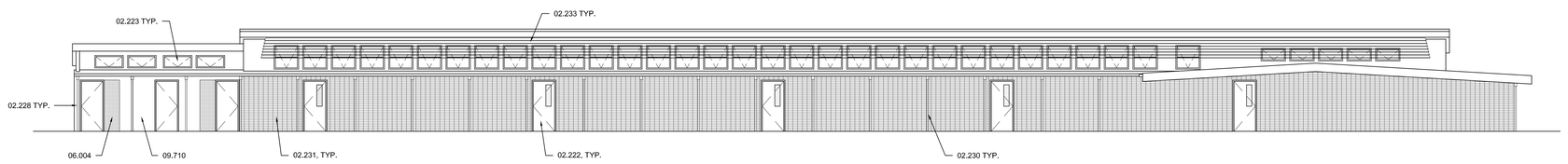
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.223	–	(E) WINDOW (SEE WINDOW SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

(N) INFILL WALL, SEE S1.3

3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-F"

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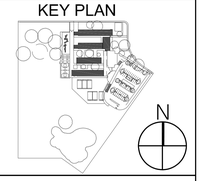
○ CONSTRUCTION	

KEY PLAN



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930 WESTACRE ROAD
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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

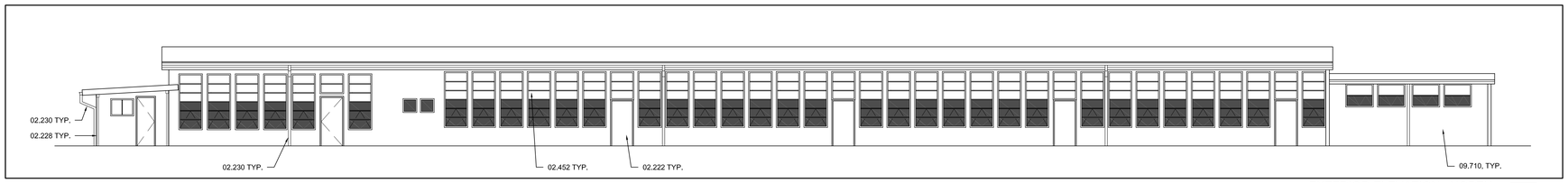
BUILDING B
EXTERIOR ELEVATIONS

Date
03/18/19

Drawing Number
AB5.1

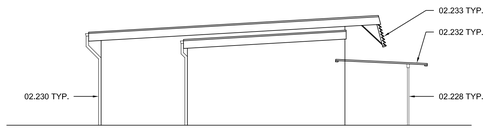
Scale
AS NOTED

Project Number
19003.1



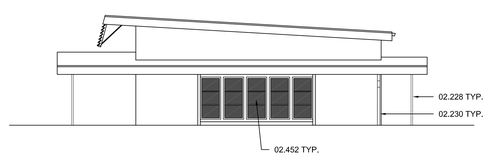
EXTERIOR ELEVATION - NORTH (1)

SCALE: 1/8" = 1'-0"



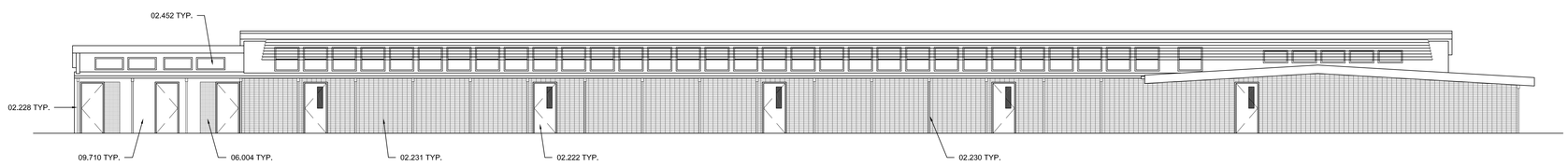
EXTERIOR ELEVATION - EAST (4)

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST (2)

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH (3)

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

(N) INFILL WALL, SEE S1.3

WALKER TEXTURES SATIN ON 1 FACE

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LICENSED ARCHITECT BRIAN P WHITMORE No. C 38045 Rev. 6/30/19 STATE OF CALIFORNIA	

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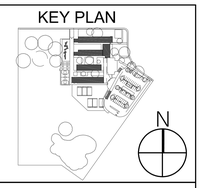
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

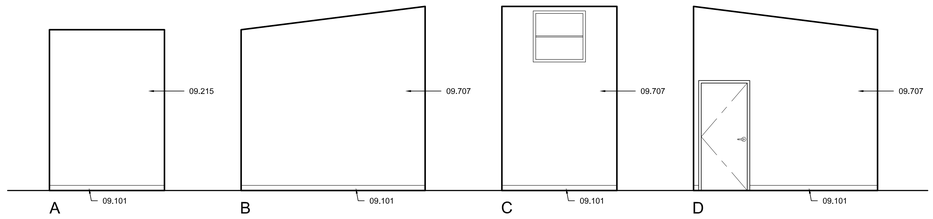
BUILDING B
EXTERIOR ELEVATIONS
ALTERNATE

Date
03/18/19

Scale
AS NOTED

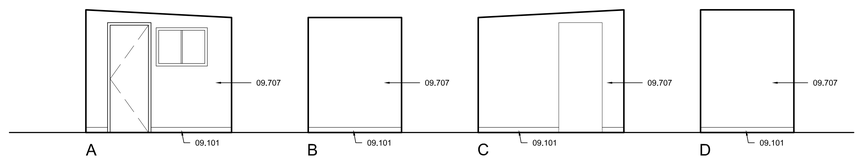
Project Number
19003.1

Drawing Number
AB5.2



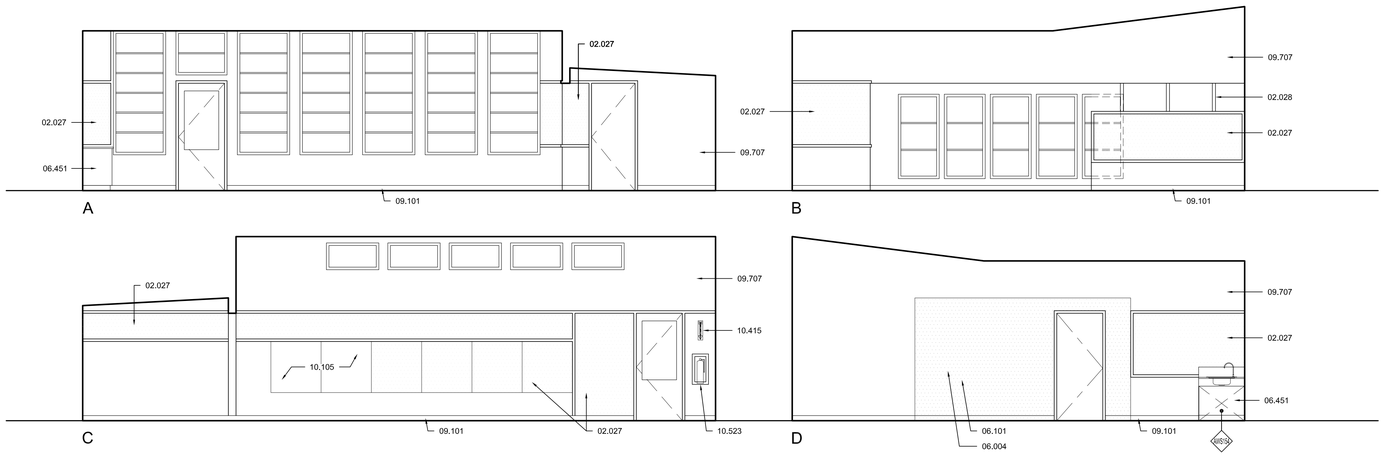
KINDERGARTEN STORAGE B106 16

SCALE: 1/4" = 1'-0"



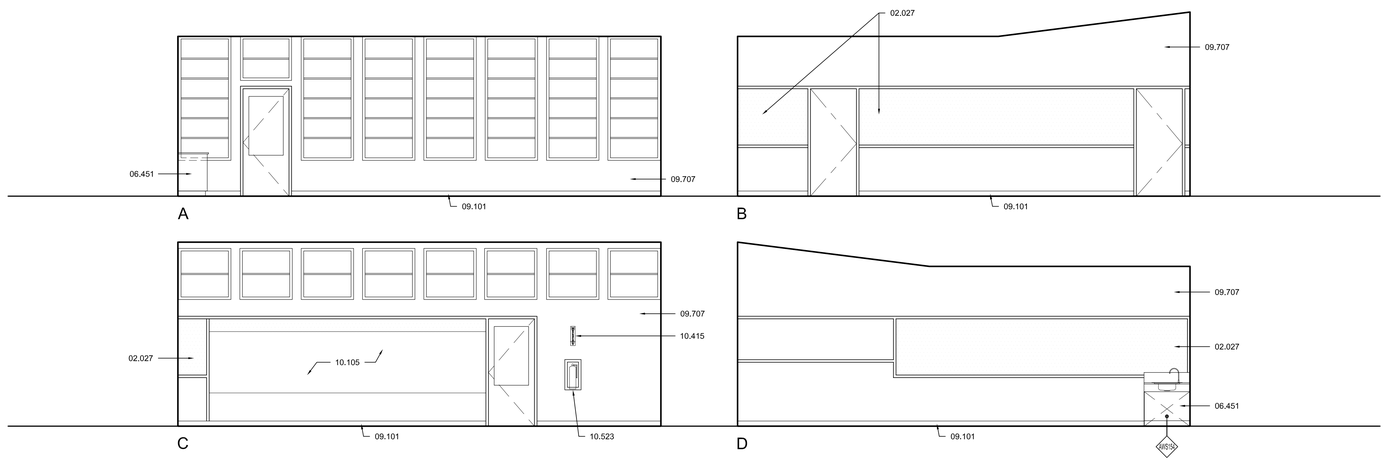
IDF B101 6

SCALE: 1/4" = 1'-0"



KINDERGARTEN CLASSROOM B103 / KINDERGARTEN BREAKOUT B102 8

SCALE: 1/4" = 1'-0"



KINDERGARTEN CLASSROOM B107 10

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

02.027	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
02.028	-	(E) PIPE COLUMNS
06.004	-	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.101	-	WOOD STUD WALL, SEE STRUCTURAL DWGS.
06.451	-	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.215	-	GYP BOARD
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
10.105	-	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/ A10.101)

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101
5. ALL EXISTING TACKBOARD TO BE PAINTED TO MATCH KOROSEAL - QUARRY TACKBOARD
6. FOR TACKBOARD ALTERNATE, SEE 30/A10.101

LEGEND

AW# CABINETRY, SEE SHEET A10.61 FOR ADDITIONAL INFORMATION

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○ DSA PLAN CHECK	3/18/2019
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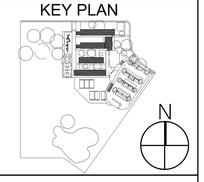
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

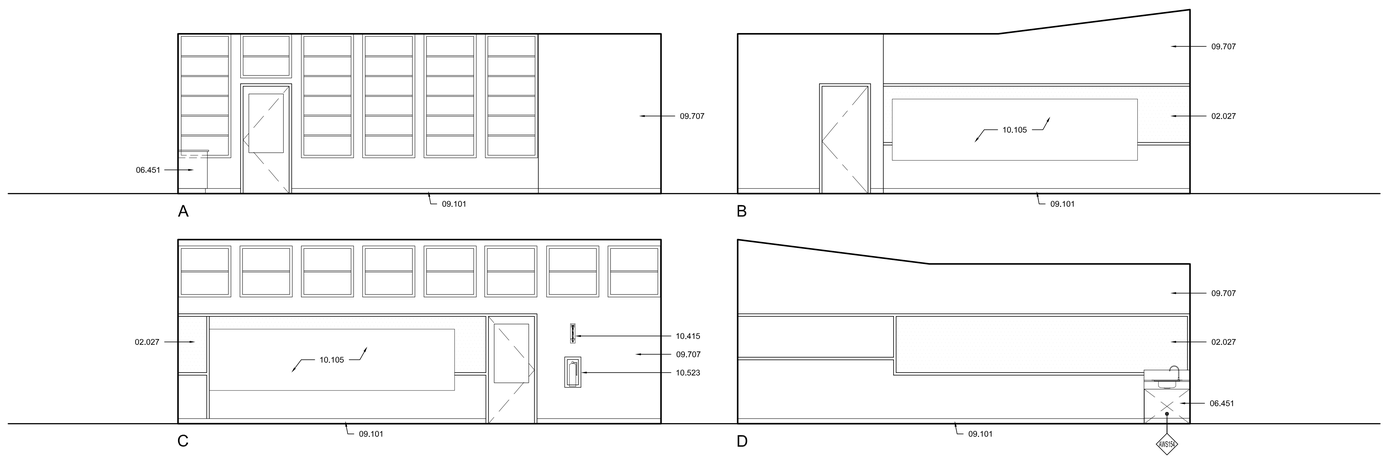
BUILDING B
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

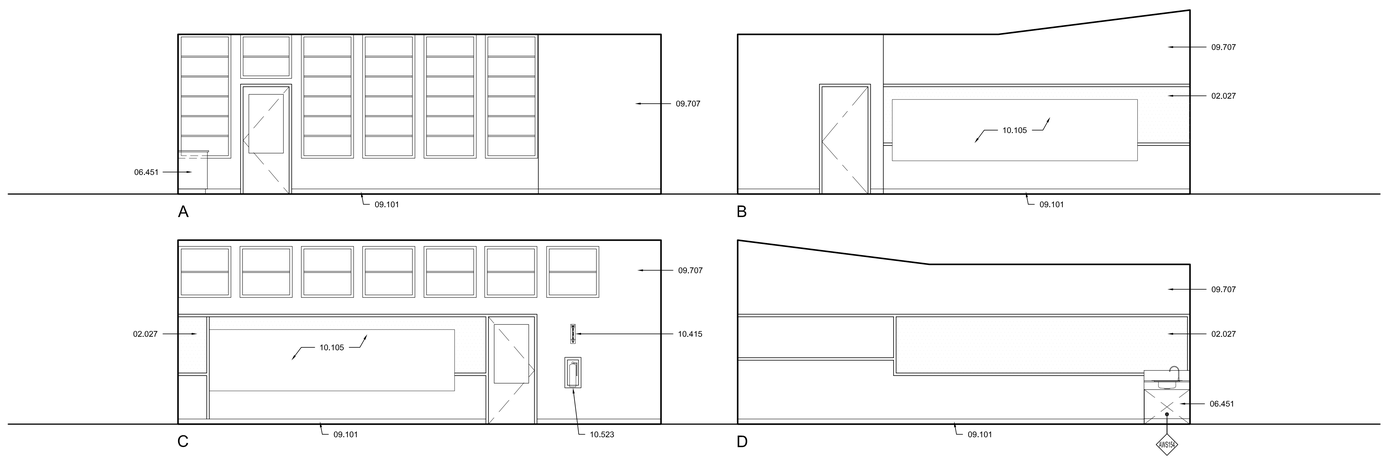
Drawing Number
AB7.1



KINDERGARTEN CLASSROOM B109 (PRE-SCHOOL CLASSROOM B111 SIM.)

SCALE: 1/4" = 1'-0"

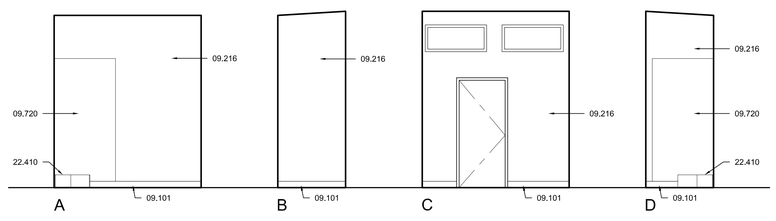
7



CLASSROOM B113

SCALE: 1/4" = 1'-0"

9



STORAGE B116

SCALE: 1/4" = 1'-0"

10

REFERENCE NOTES

02.027	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
06.451	-	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.216	-	GYP BOARD - MOISTURE RESISTANT
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
09.720	-	FRP WALL COVERING (FIELD)
10.105	-	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/A10.101)
22.410	-	MOP SINK

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT.A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101
5. ALL EXISTING TACKBOARD TO BE PAINTED TO MATCH KOROSEAL - QUARRY TACKBOARD
6. FOR TACKBOARD ALTERNATE, SEE 30/A10.101

LEGEND

AW# CABINETRY, SEE SHEET A10.61 FOR ADDITIONAL INFORMATION

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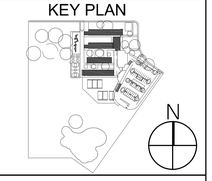
KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

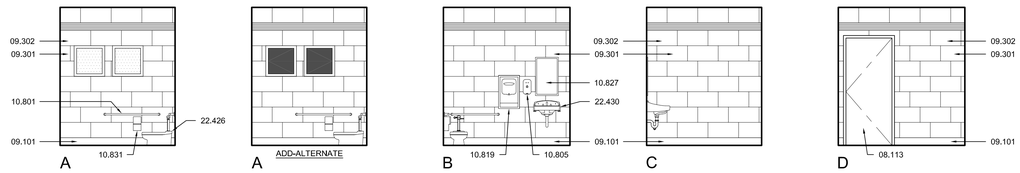
BUILDING B
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

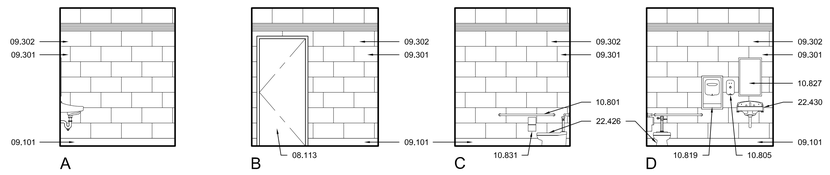
Project Number
19003.1

Drawing Number
AB7.2



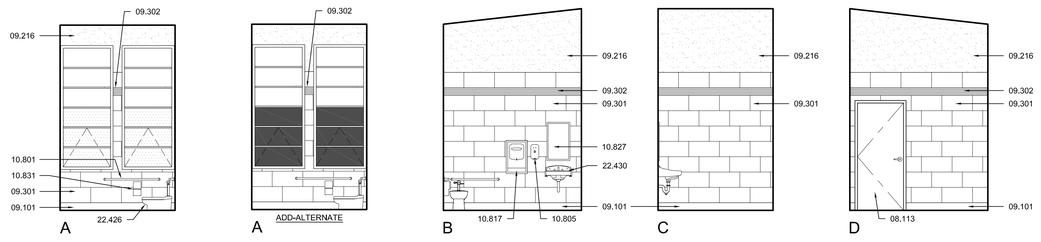
KINDERGARTEN RESTROOM - B104 - INTERIOR ELEVATIONS 3

SCALE: 1/4" = 1'-0"



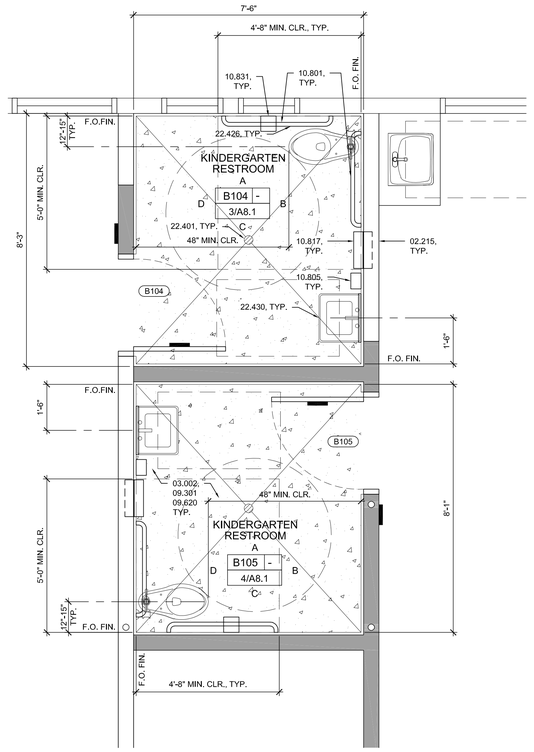
KINDERGARTEN RESTROOM - B105 - INTERIOR ELEVATIONS 4

SCALE: 1/4" = 1'-0"



KINDERGARTEN RESTROOM - B108, B110 AND B112 - INTERIOR ELEVATIONS 5

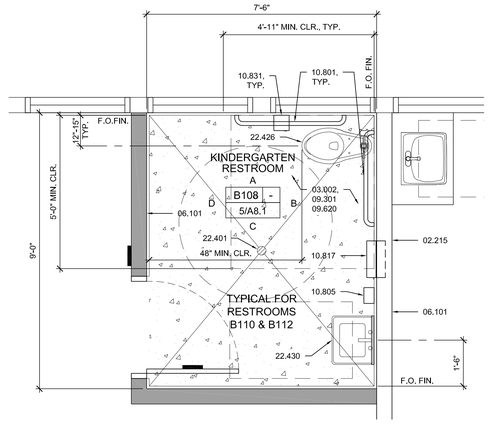
SCALE: 1/4" = 1'-0"



KINDERGARTEN RESTROOMS - B104 AND B105 - ENLARGED PROPOSED FLOOR PLANS 1

SCALE: 1/2" = 1'-0"

(REFERENCE AGE GROUP 5-8 PER DETAIL 10/A10.101)



KINDERGARTEN RESTROOMS - B108, B110 AND B112 - ENLARGED PROPOSED FLOOR PLAN 2

SCALE: 1/2" = 1'-0"

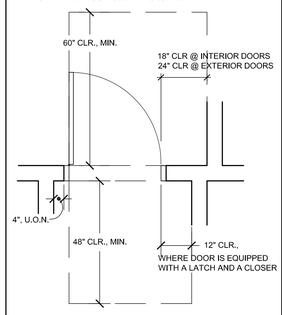
(REFERENCE AGE GROUP 5-8 PER DETAIL 10/A10.101)

REFERENCE KEYNOTES

02.215	–	(E) WALL TO REMAIN
03.002	–	CONC. SLAB (SEE STRUCTURAL DWGS)
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
08.113	–	HOLLOW METAL FRAMED DOOR (SEE DOOR SCHEDULE - SHEET A9.1)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.216	–	GYP BOARD - MOISTURE RESISTANT
09.301	–	WALL TILE (SEE DET. 18/ A10.101)
09.302	–	WALL TILE (ACCENT COLOR 1)
09.620	–	EPOXY FLOORING
10.801	–	ACCESSIBLE GRAB BAR (SEE DET. 17/ A10.101)
10.805	–	SOAP DISPENSER
10.817	–	ELECTRIC HAND DRYER, SEMI-RECESSED
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.831	–	TOILET PAPER DISPENSER
22.401	–	FLOOR DRAIN (SEE PLUMBING DWGS. AND DET. 14/ A10.101)
22.426	–	ACCESSIBLE WATER CLOSET (SEE DET. 10/ A10.101)
22.430	–	ACCESSIBLE LAVATORY (SEE DET. 10/ A10.101)

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4

LEGEND

- (E) WALL TO REMAIN
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) FULL HEIGHT WALL, SEE S1.2
- FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- xxx — SIGNAGE- SEE A9.3 FOR SIGNAGE SCHEDULE AND DETAILS

ADD-ALTERNATE

- 3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-I"
- WALKER TEXTURES SATIN ON 1 FACE

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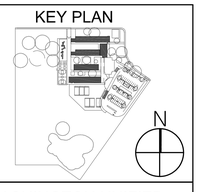
○ CONSTRUCTION	

KEY PLAN



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CONSTRUCTION DOCUMENTS

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WEST SACRAMENTO, CA 95691

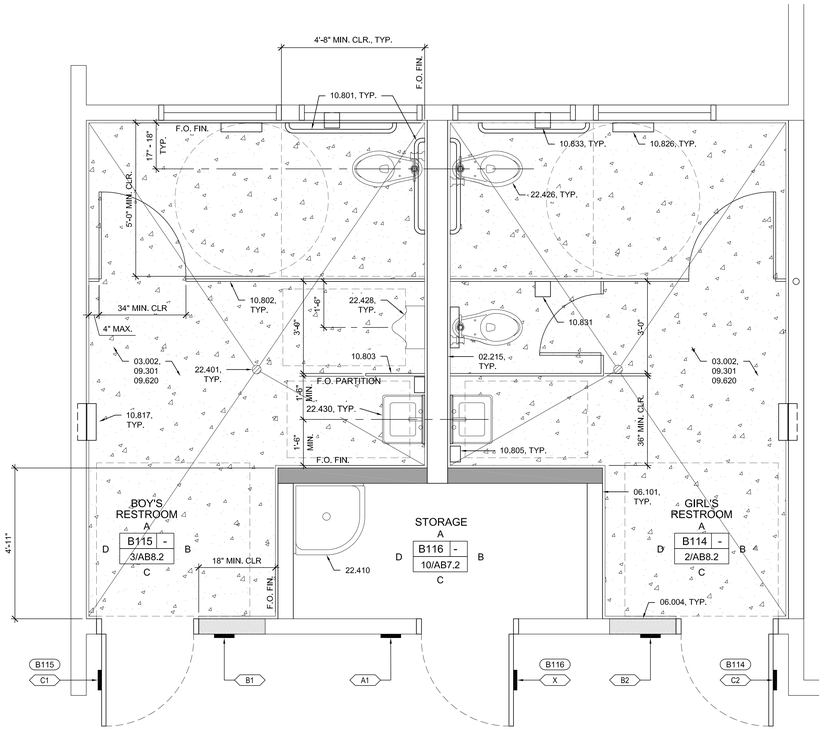
BUILDING B
ENLARGED FLOOR PLANS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
AB8.1

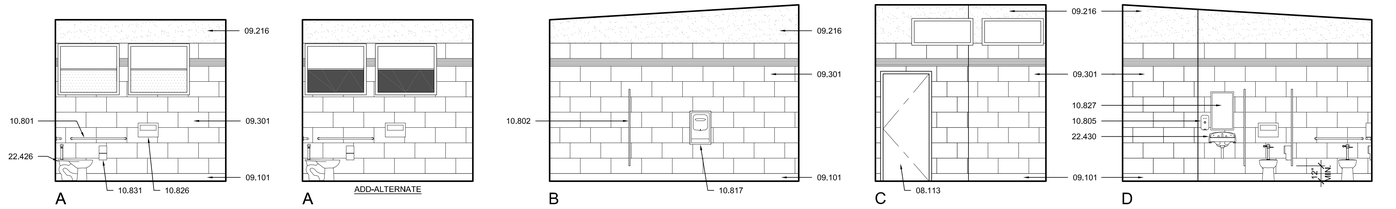


GIRL'S RESTROOM - B114, BOY'S RESTROOM - B115 AND STORAGE - B116 - ENLARGED PROPOSED FLOOR PLAN

1

SCALE: 1/2" = 1'-0"

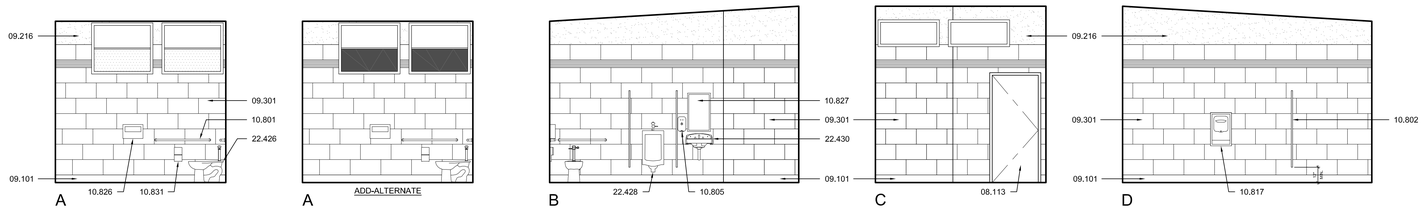
(REFERENCE ADULT DIMENSIONS PER DETAIL 10/A10.101)



GIRL'S RESTROOM - B114 - INTERIOR ELEVATIONS

2

SCALE: 1/4" = 1'-0"



BOY'S RESTROOM - B115 - INTERIOR ELEVATIONS

3

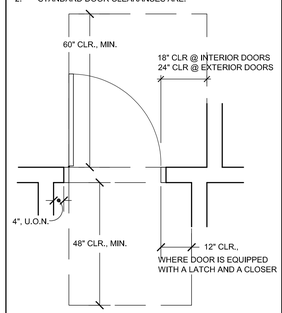
SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

02.215	–	(E) WALL TO REMAIN
03.002	–	CONC. SLAB (SEE STRUCTURAL DWGS)
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
08.113	–	HOLLOW METAL FRAMED DOOR (SEE DOOR SCHEDULE - SHEET A9.1)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.216	–	GYP BOARD - MOISTURE RESISTANT
09.301	–	WALL TILE (SEE DET. 18/ A10.101)
09.620	–	EPOXY FLOORING
10.801	–	ACCESSIBLE GRAB BAR (SEE DET. 17/ A10.101)
10.802	–	TOILET PARTITION, FLOOR MOUNTED (SEE DET. 29/A10.101)
10.803	–	URINAL SCREEN, WALL MOUNTED (SEE DET. 28/A10.101) SIM.
10.805	–	SOAP DISPENSER
10.817	–	ELECTRIC HAND DRYER, SEMI-RECESSED
10.826	–	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.831	–	TOILET PAPER DISPENSER
10.833	–	TOILET PAPER DISPENSER, SEMI-RECESSED
22.401	–	FLOOR DRAIN (SEE PLUMBING DWGS. AND DET. 14/ A10.101)
22.410	–	MOP SINK
22.426	–	ACCESSIBLE WATER CLOSET (SEE DET. 10/ A10.101)
22.428	–	ACCESSIBLE URINAL (SEE DET. 10/A10.101)
22.430	–	ACCESSIBLE LAVATORY (SEE DET. 10/ A10.101)

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4

LEGEND

- (E) WALL TO REMAIN
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) FULL HEIGHT WALL, SEE S1.2
- WALL INFILL, SEE S1.3
- FLOOR DRAIN, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- XXX — SIGNAGE- SEE A9.4 FOR SIGNAGE SCHEDULE AND DETAILS
- XX — WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION
- F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/ A10.101

ADD-ALTERNATE

- 3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-4"
- WALKER TEXTURES SATIN ON 1 FACE

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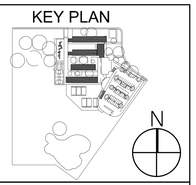
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

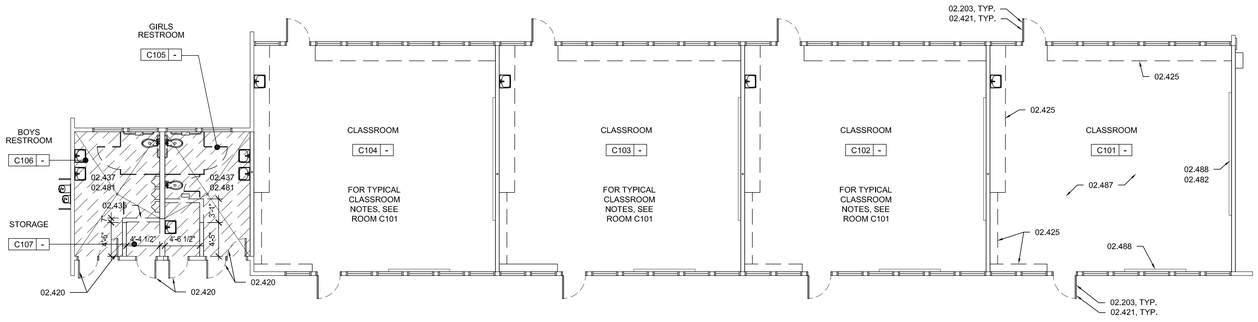
BUILDING B
ENLARGED FLOOR PLANS

Date
03/18/19

Drawing Number
AB8.2

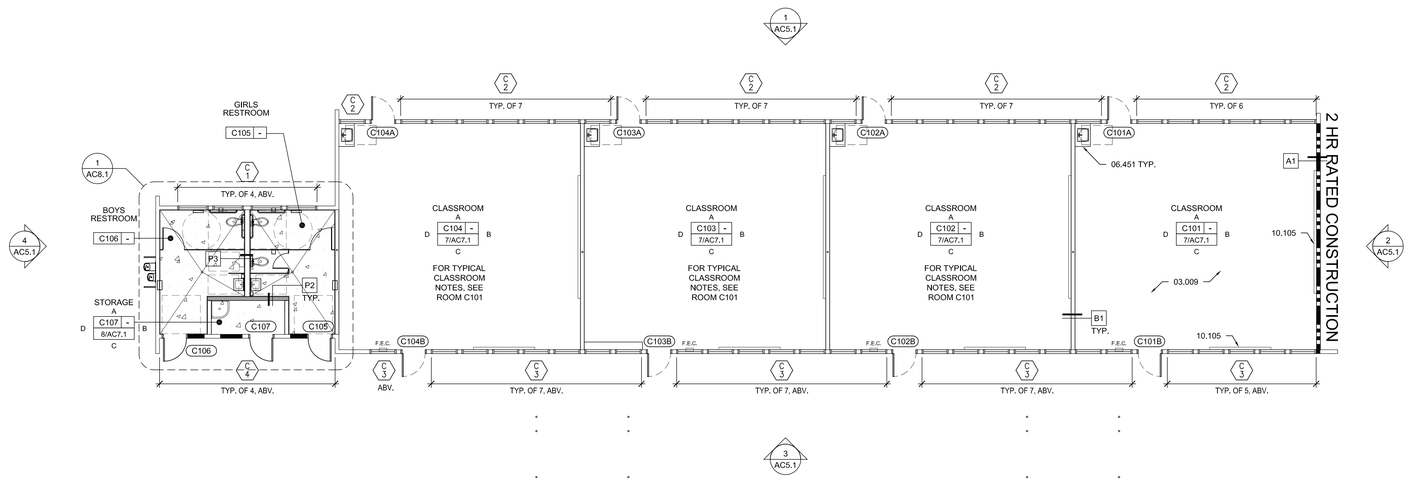
Scale
AS NOTED

Project Number
19003.1



BUILDING C - DEMOLITION FLOOR PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING C - PROPOSED FLOOR PLAN 2

SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

02.203	–	(E) DOOR TO REMAIN
02.420	–	REMOVE (E) DOOR, HARDWARE & DOOR FRAME
02.421	–	REMOVE (E) HARDWARE
02.425	–	REMOVE (E) CASEWORK, SINK, ALL PIPES, AND DRAIN ETC. TYP.
02.435	–	REMOVE (E) WALL
02.437	–	REMOVE/DEMOLISH (E) FLOOR SLAB
02.481	–	REMOVE (E) WALL FINISH(ES) TO STUDS
02.482	–	PATCH AND REPAIR (E) WALL AS NEEDED
02.487	–	REMOVE (E) CARPET AND FLOOR COVERINGS
02.488		REMOVE (E) DRY ERASE MARKER BOARDS. SALVAGE FOR REINSTALLATION
03.009	–	POLISH (E) CONCRETE FLOORS
06.451	–	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
10.105	–	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)

DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. REFER TO ELEC DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
4. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
5. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 14 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 34 OF THE BUILDING CODE FOR EXISTING STRUCTURES.
6. ALL (E) ITEMS (IE, TV, PROJECTION SCREEN, BRACKETS, ETC.) MOUNTED ON (E) WALLS TO BE REMOVED.
7. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING APPROXIMATE. VERIFY IN THE FIELD.

LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- (N) FULL HEIGHT WALL, SEE S1.2
- (N) INFILL WALL, SEE S1.3
- CUT (E) SLAB THIS AREA. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL WORK
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- F.E.C. RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/A10.101
- XX WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION

ADD-ALTERNATE LEGEND

C / X ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.82

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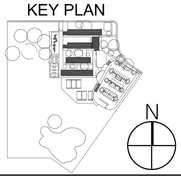
KEY PLAN



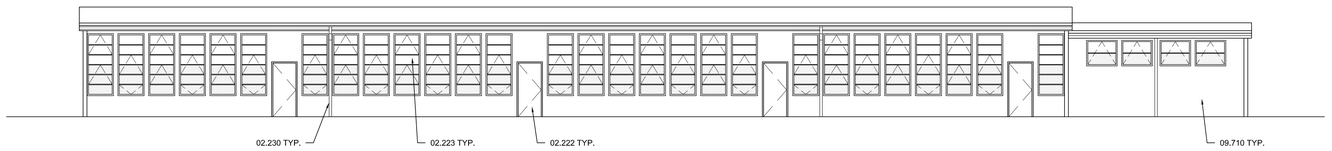
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

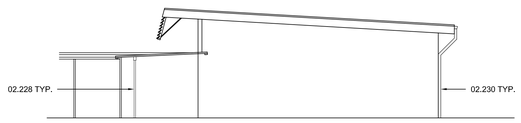
BUILDING C
FLOOR PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number AC2.1



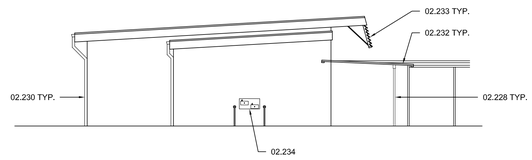
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



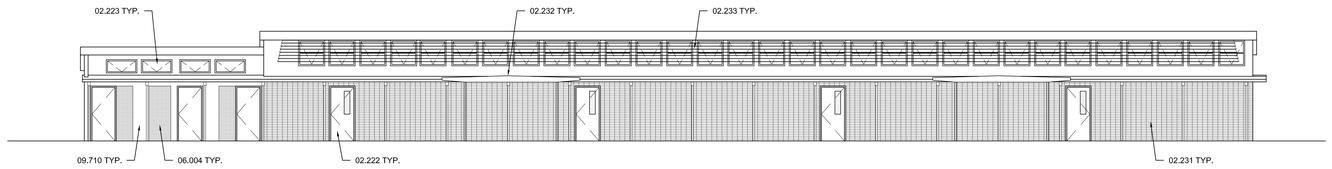
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.223	–	(E) WINDOW (SEE WINDOW SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.234	–	(E) DRINKING FOUNTAIN
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

WALL INFILL, SEE S1.3

3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-I"

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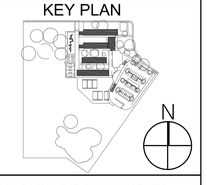
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

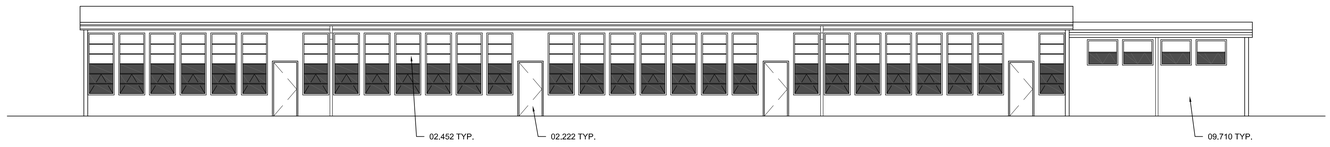
BUILDING C
EXTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

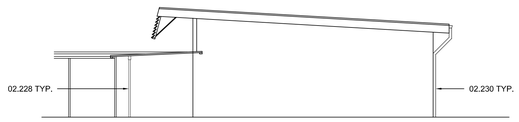
Project Number
19003.1

Drawing Number
AC5.1



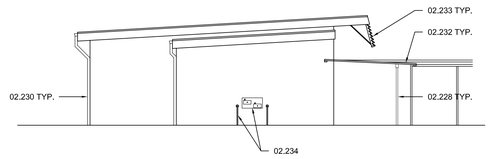
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



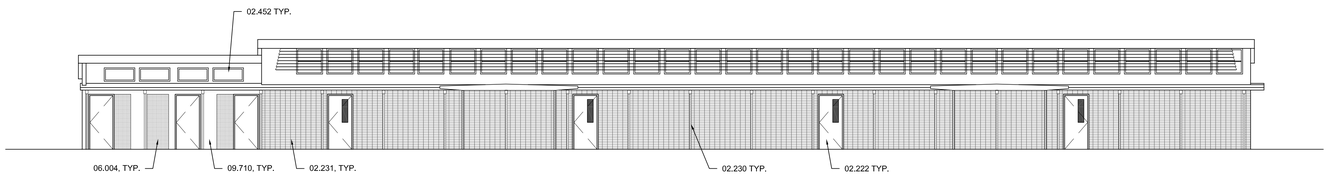
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.234	–	(E) DRINKING FOUNTAIN
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

(N) INFILL WALL, SEE S1.3

WALKER TEXTURES SATIN ON 1 FACE

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○ DSA PLAN CHECK	3/18/2019
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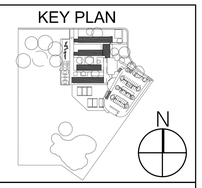
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

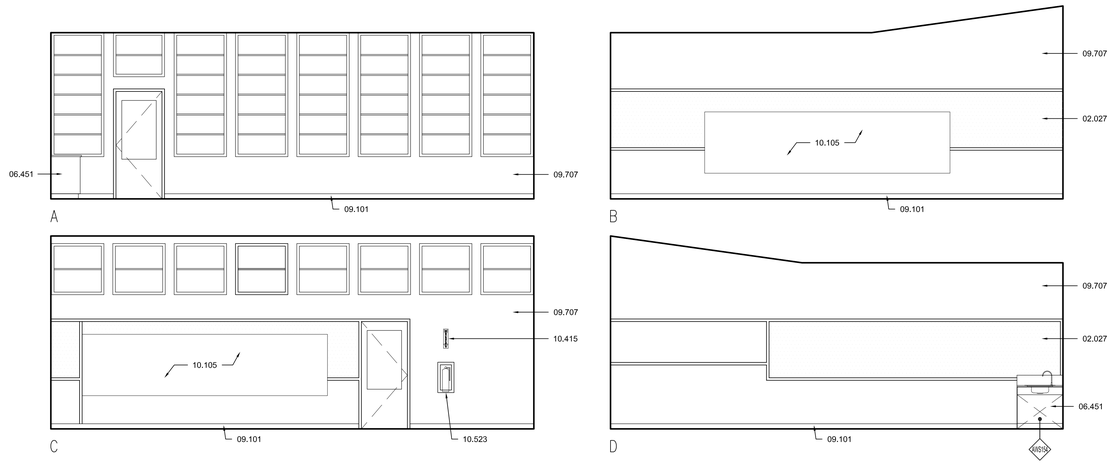
BUILDING C
EXTERIOR ELEVATIONS
ALTERNATE

Date
03/18/19

Drawing Number
AC5.2

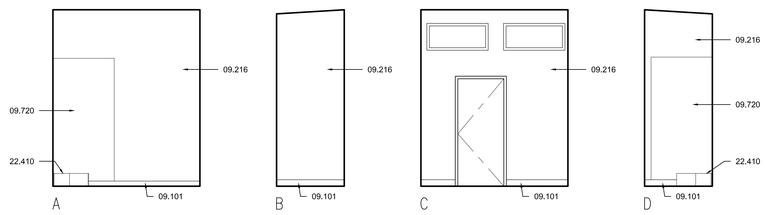
Scale
AS NOTED

Project Number
19003.1



CLASSROOM C101 (C102, C103, AND C104 SIM.) 7

SCALE: 1/4" = 1'-0"



STORAGE C107 8

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

02.027	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
06.451	-	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.216	-	GYP BOARD - MOISTURE RESISTANT
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
09.720	-	FRP WALL COVERING (FIELD)
10.105	-	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/ A10.101)
22.410	-	MOP SINK

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101
5. ALL EXISTING TACKBOARD TO BE P
6. FOR TACKBOARD ALTERNATE, SEE 30/A10.101

LEGEND

AW9 — CABINETRY, SEE SHEET A10.61 FOR ADDITIONAL INFORMATION

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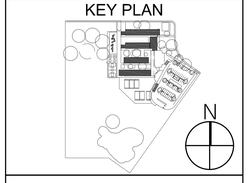


WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

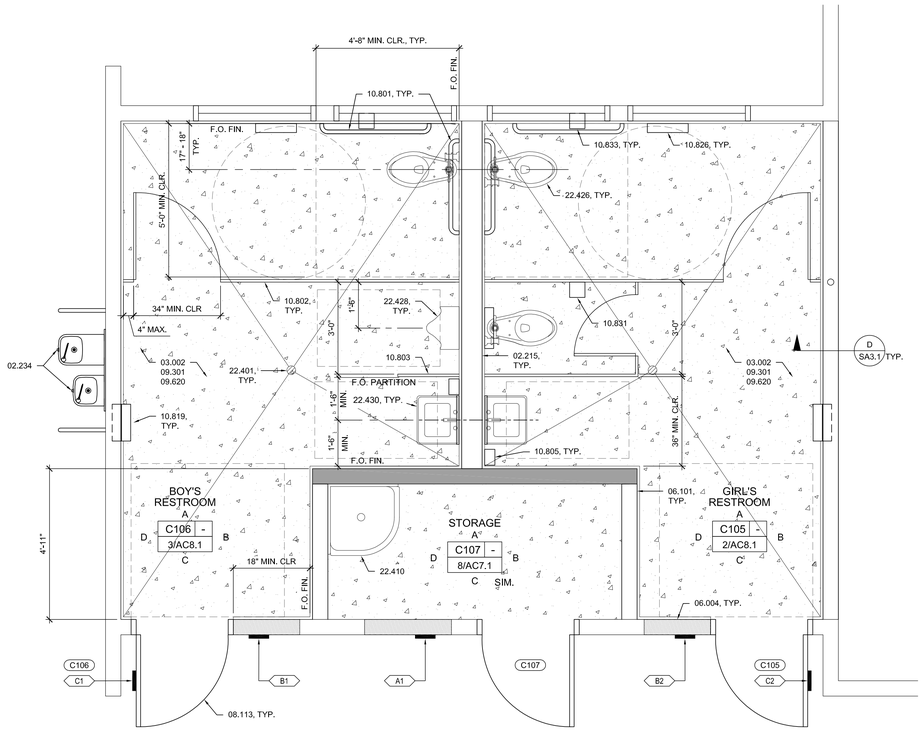
BUILDING C
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

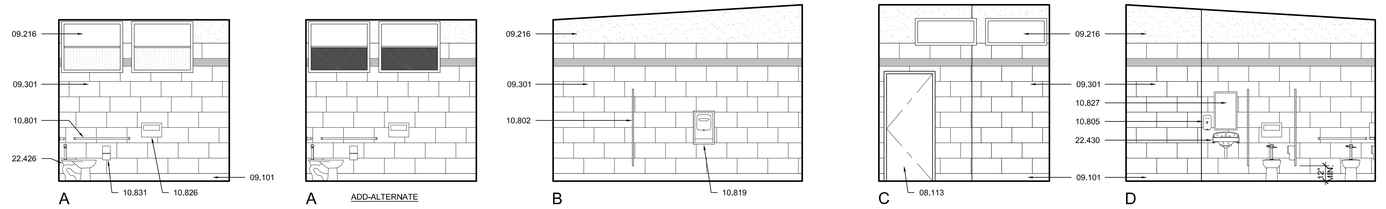
Drawing Number
AC7.1



GIRL'S RESTROOM - C105, BOY'S RESTROOM - C106 AND STORAGE - C107 - ENLARGED PROPOSED FLOOR PLAN 1

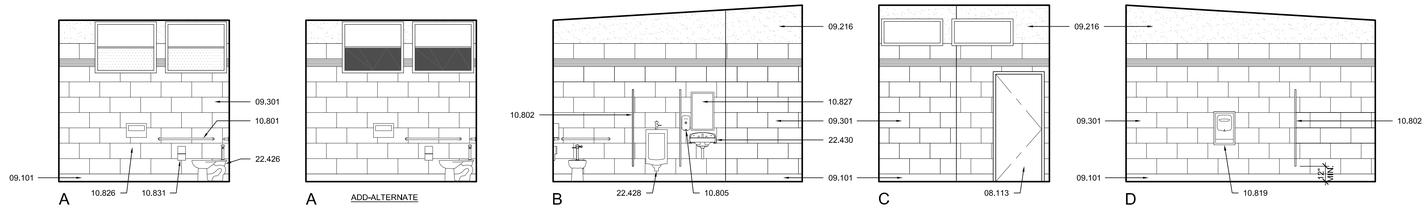
SCALE: 1/2" = 1'-0"

(REFERENCE ADULT DIMENSIONS PER DETAIL 10/A10.101)



GIRL'S RESTROOM - C105 - INTERIOR ELEVATIONS 2

SCALE: 1/4" = 1'-0"



BOY'S RESTROOM - C106 - INTERIOR ELEVATIONS 3

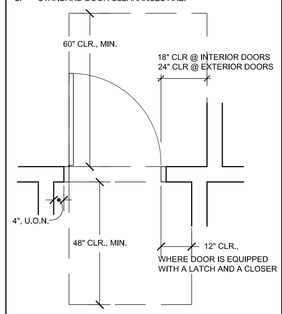
SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

02.215	–	(E) WALL TO REMAIN
02.234	–	(E) DRINKING FOUNTAIN
03.002	–	CONC. SLAB (SEE STRUCTURAL DWGS)
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
08.113	–	HOLLOW METAL FRAMED DOOR (SEE DOOR SCHEDULE - SHEET A9.1)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.216	–	GYP BOARD - MOISTURE RESISTANT
09.301	–	WALL TILE (SEE DET. 18/ A10.101)
09.620	–	EPOXY FLOORING
10.801	–	ACCESSIBLE GRAB BAR (SEE DET. 17/ A10.101)
10.802	–	TOILET PARTITION, FLOOR MOUNTED (SEE DET. 29/A10.101)
10.803	–	URINAL SCREEN, WALL MOUNTED (SEE DET. 28/A10.101) SIM.
10.805	–	SOAP DISPENSER
10.819	–	PAPER TOWEL DISPENSER, 4" MAX. PROTRUSION
10.826	–	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.831	–	TOILET PAPER DISPENSER
10.833	–	TOILET PAPER DISPENSER, SEMI-RECESSED
22.401	–	FLOOR DRAIN (SEE PLUMBING DWGS. AND DET. 14/ A10.101)
22.410	–	MOP SINK
22.426	–	ACCESSIBLE WATER CLOSET (SEE DET. 10/ A10.101)
22.428	–	ACCESSIBLE URINAL (SEE DET. 10/A10.101)
22.430	–	ACCESSIBLE LAVATORY (SEE DET. 10/ A10.101)

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4

LEGEND

- (E) WALL TO REMAIN
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) FULL HEIGHT WALL, SEE S1.2
- WALL INFILL, SEE S1.3
- FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- XXX — SIGNAGE- SEE A9.3 FOR SIGNAGE SCHEDULE AND DETAILS
- XX — WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION
- F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/ A10.101

ADD-ALTERNATE

- 3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-F"
- WALKER TEXTURES SATIN ON 1 FACE

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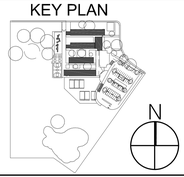
KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

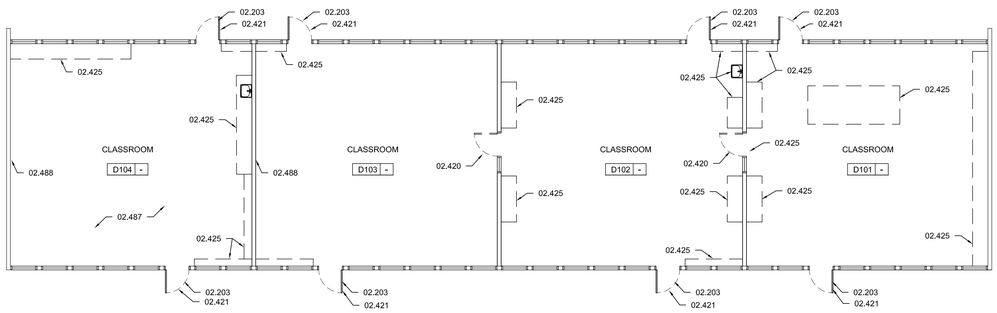
BUILDING C
ENLARGED FLOOR PLANS

Date
03/18/19

Scale
AS NOTED

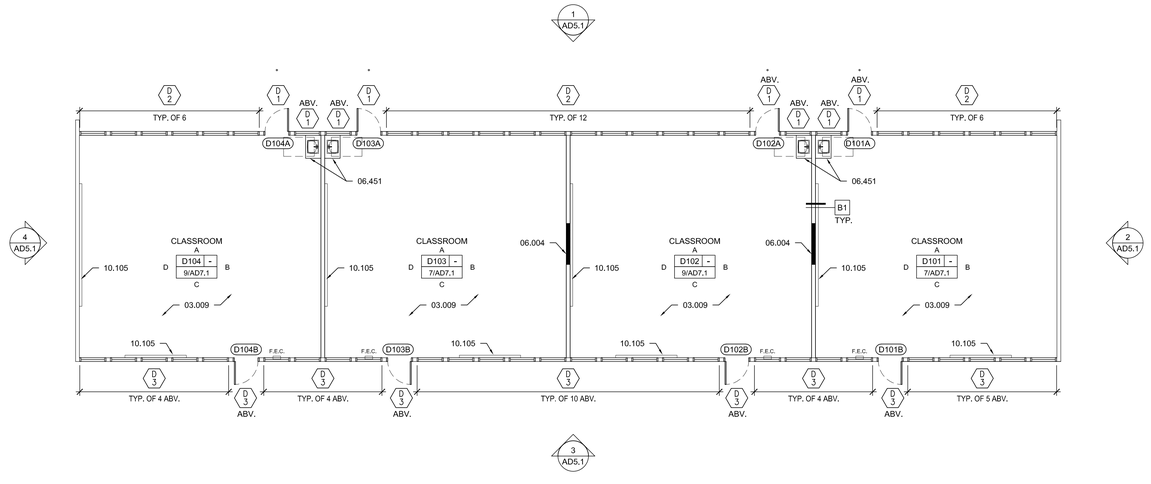
Project Number
19003.1

Drawing Number
AC8.1



BULDING D - DEMOLITION FLOOR PLAN 1

SCALE: 1/8" = 1'-0"



BULDING D - PROPOSED FLOOR PLAN 2

SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

02.203	–	(E) DOOR TO REMAIN
02.420	–	REMOVE (E) DOOR, HARDWARE & DOOR FRAME
02.421	–	REMOVE (E) HARDWARE
02.425	–	REMOVE (E) CASEWORK, SINK, ALL PIPES, AND DRAIN ETC. TYP.
02.487	–	REMOVE (E) CARPET AND FLOOR COVERINGS
02.488	–	REMOVE (E) DRY ERASE MARKER BOARDS. SALVAGE FOR REINSTALLATION
03.009	–	POLISH (E) CONCRETE FLOORS
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.451	–	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
10.105	–	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)

DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. REFER TO ELEC DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
4. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
5. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 14 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 34 OF THE BUILDING CODE FOR EXISTING STRUCTURES.
6. ALL (E) ITEMS (IE, TV, PROJECTION SCREEN, BRACKETS, ETC.) MOUNTED ON (E) WALLS TO BE REMOVED.
7. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING APPROXIMATE. VERIFY IN THE FIELD.

LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- (N) INFILL WALL, SEE S1.3
- F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/A10.101
- XX — WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION

ADD-ALTERNATE LEGEND

D / X — ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.82

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NO.	REMARKS	DATE

	DATE
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○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

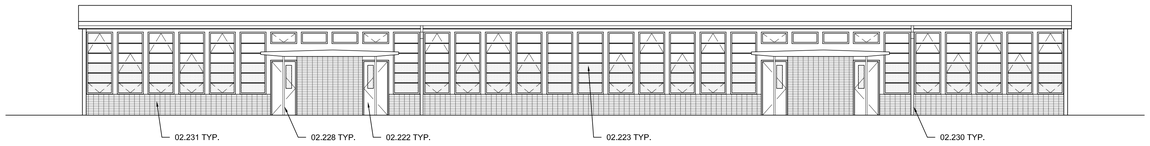
CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING D
FLOOR PLAN

Date
03/18/19
Scale
AS NOTED
Project Number
19003.1

Drawing Number
AD2.1



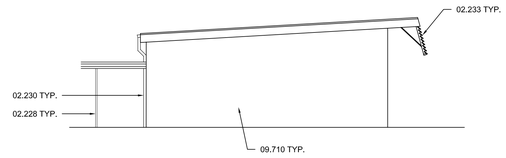
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



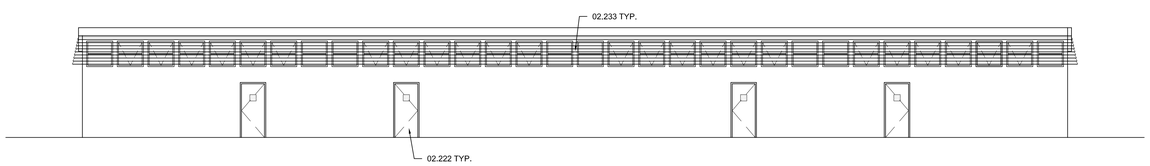
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.223	–	(E) WINDOW (SEE WINDOW SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-F"

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	DATE
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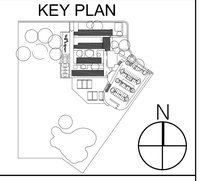
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

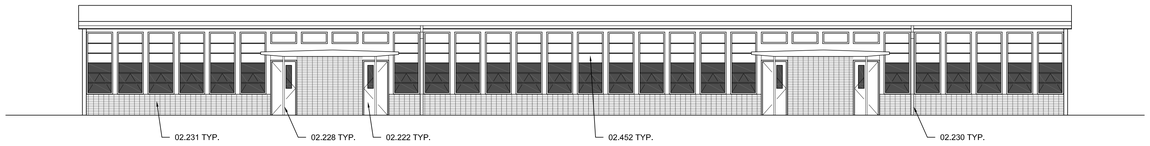
BUILDING D
EXTERIOR ELEVATIONS

Date
03/18/19

Drawing Number
AD5.1

Scale
AS NOTED

Project Number
19003.1



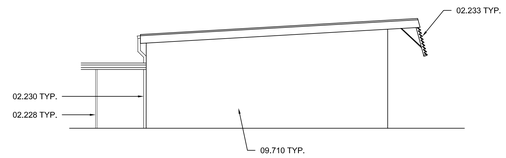
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



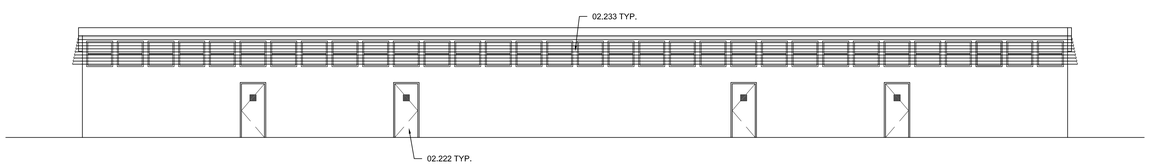
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

WALKER TEXTURES SATIN ON 1 FACE

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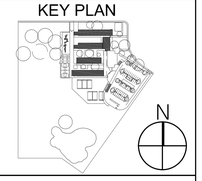

WASHINGTON UNIFIED
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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

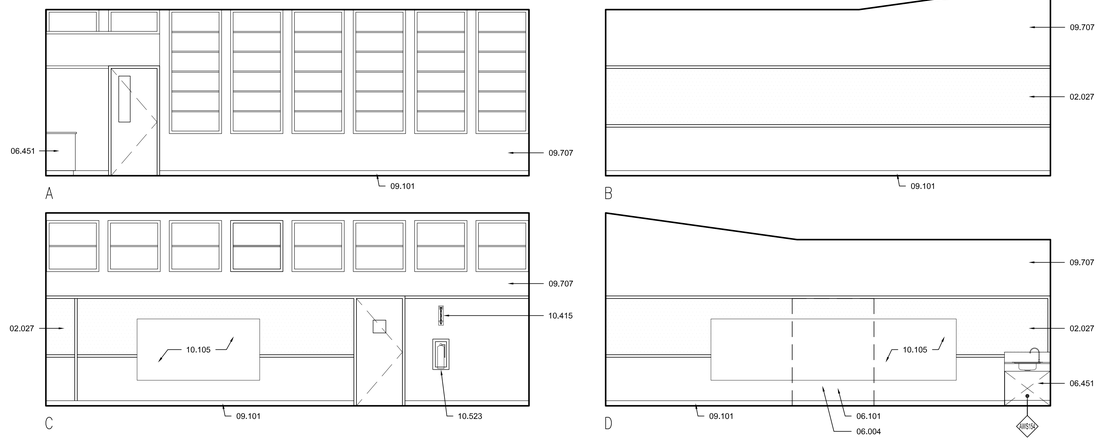
BUILDING D
EXTERIOR ELEVATIONS
ALTERNATE

Date
03/18/19

Scale
AS NOTED

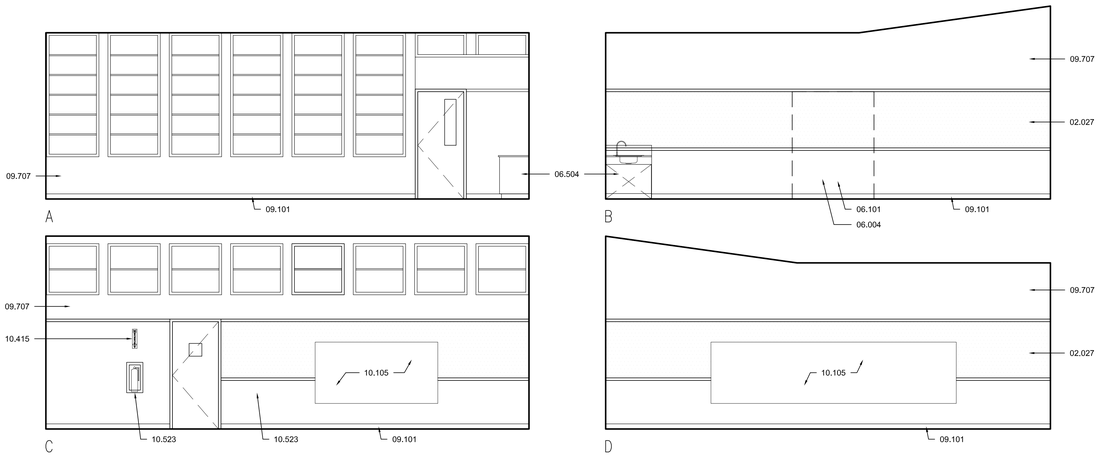
Project Number
19003.1

Drawing Number
AD5.2



CLASSROOM D101 (D103 SIM.) 7

SCALE: 1/4" = 1'-0"



CLASSROOM D102 (D104 SIM.) 9

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

02.027	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
06.004	-	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
06.101	-	WOOD STUD WALL, SEE STRUCTURAL DWGS.
06.451	-	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
10.105	-	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/ A10.101)

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101
5. ALL EXISTING TACKBOARD TO BE PAINTED TO MATCH KOROSEAL - QUARRY TACKBOARD
6. FOR TACKBOARD ALTERNATE, SEE 30/A10.101

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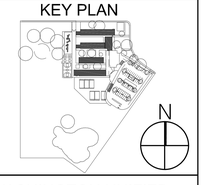
KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

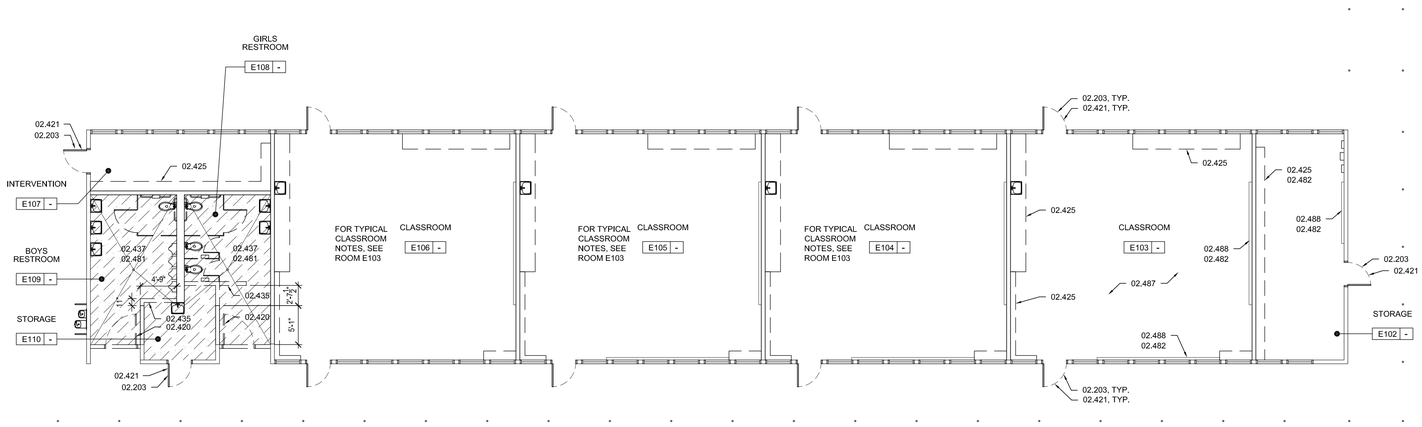
BUILDING D
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

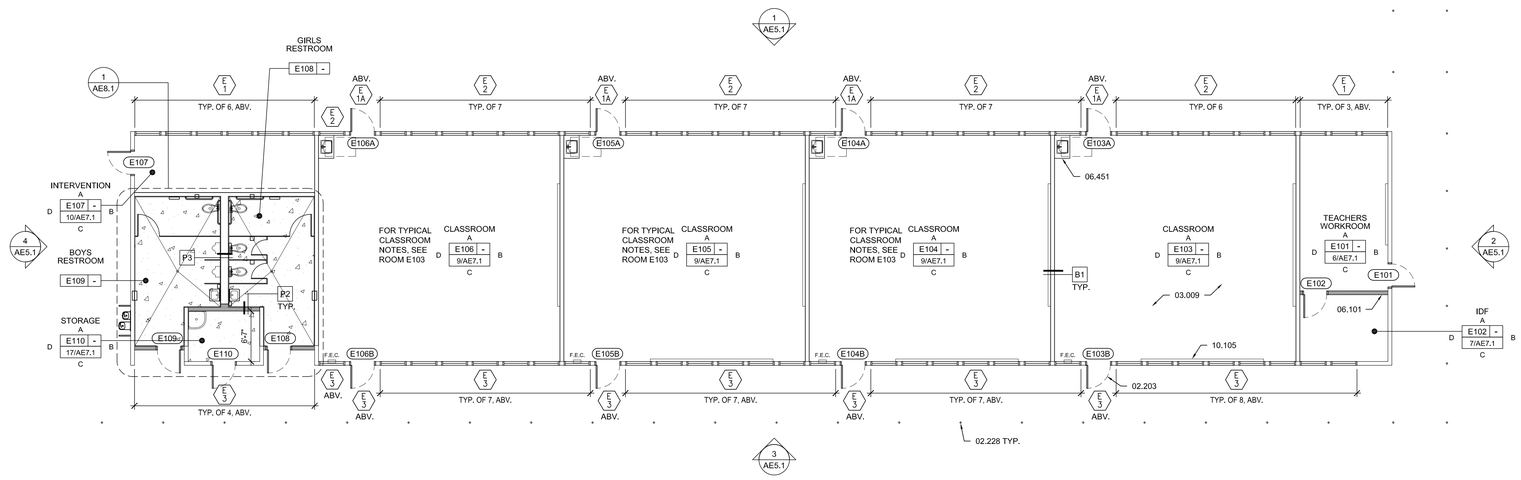
Project Number
19003.1

Drawing Number
AD7.1



BUILDING E - DEMOLITION FLOOR PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING E - PROPOSED FLOOR PLAN 2

SCALE: 1/8" = 1'-0"

REFERENCE KEYNOTES

02.203	–	(E) DOOR TO REMAIN
02.228	–	(E) COLUMNS
02.420	–	REMOVE (E) DOOR, HARDWARE & DOOR FRAME
02.421	–	REMOVE (E) HARDWARE
02.425	–	REMOVE (E) CASEWORK, SINK, ALL PIPES, AND DRAIN ETC. TYP.
02.435	–	REMOVE (E) WALL
02.437	–	REMOVE/DEMOLISH (E) FLOOR SLAB
02.481	–	REMOVE (E) WALL FINISH(ES) TO STUDS
02.482	–	PATCH AND REPAIR (E) WALL AS NEEDED
02.487	–	REMOVE (E) CARPET AND FLOOR COVERINGS
02.488		REMOVE (E) DRY ERASE MARKER BOARDS, SALVAGE FOR REINSTALLATION
03.009	–	POLISH (E) CONCRETE FLOORS
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
06.451	–	ACCESSIBLE CASEWORK AND SINK (SEE 3 & 4/A10.61)
10.105	–	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)

DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. REFER TO ELEC DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
4. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
5. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 14 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 34 OF THE BUILDING CODE FOR EXISTING STRUCTURES.
6. ALL (E) ITEMS (IE, TV, PROJECTION SCREEN, BRACKETS, ETC,) MOUNTED ON (E) WALLS TO BE REMOVED.
7. ALL DIMENSIONS SHOWN ON THIS SHEET ARE EXISTING APPROXIMATE. VERIFY IN THE FIELD.

LEGEND

- DEMOLITION WORK
- (E) WALL TO REMAIN
- (N) FULL HEIGHT WALL, SEE S1.2
- (N) INFILL WALL, SEE S1.3
- CUT (E) SLAB THIS AREA. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL WORK
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- F.E.C. RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/A10.101
- XX WALL TYPE SYMBOL, SEE SHEET A10.51 FOR WALL TYPE INFORMATION

ADD-ALTERNATE LEGEND

E X ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.82

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● DSA BACK CHECK	5/29/2019
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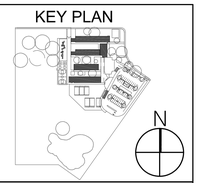
KEY PLAN



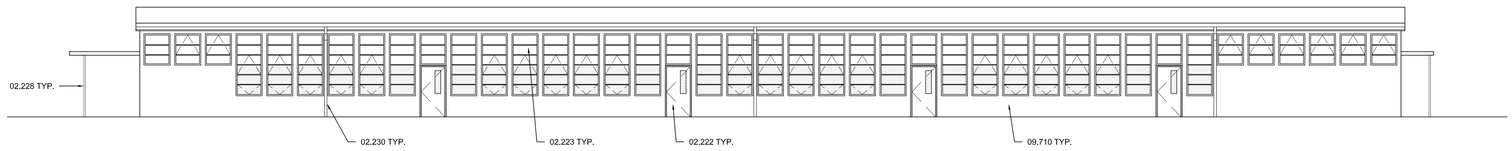
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

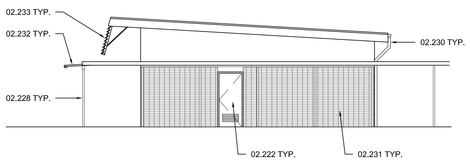
BUILDING E
FLOOR PLANS

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number AE2.1



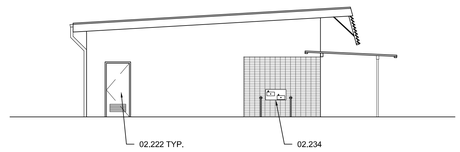
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



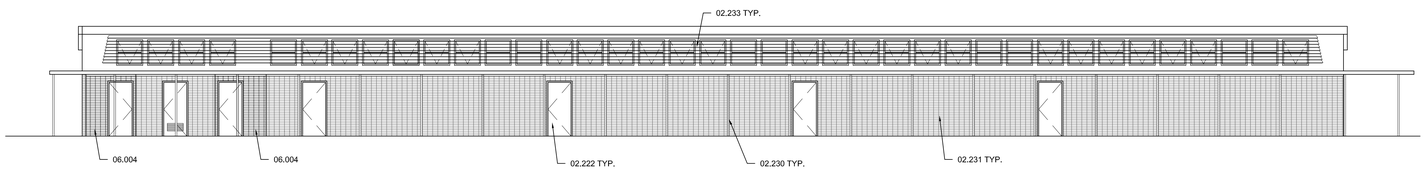
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.223	–	(E) WINDOW (SEE WINDOW SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.234	–	(E) DRINKING FOUNTAIN
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

(N) INFILL WALL, SEE S1.3

3M FASARA GLASS FINISH FILM IN "MATTE CRYSTAL-F"

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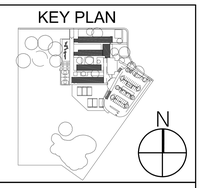

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

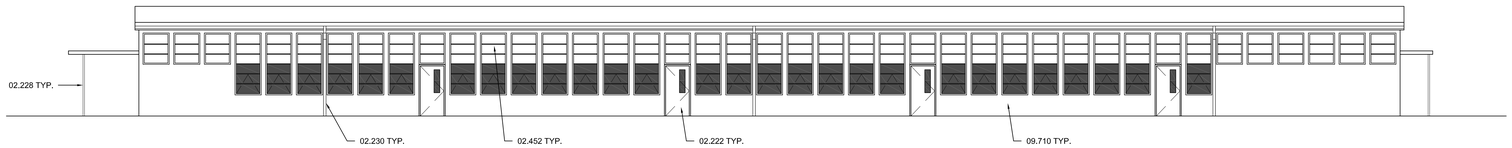
BUILDING E
EXTERIOR ELEVATIONS

Date
03/18/19

Drawing Number
AE5.1

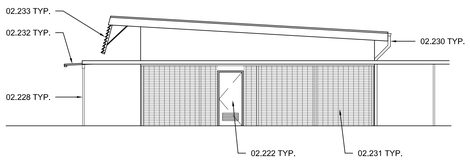
Scale
AS NOTED

Project Number
19003.1



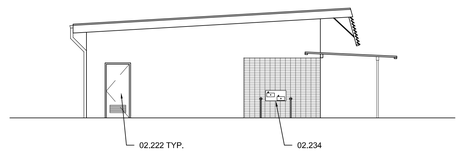
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



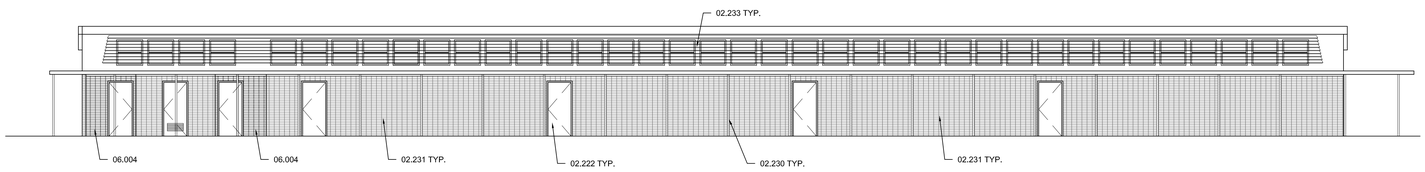
EXTERIOR ELEVATION - EAST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - WEST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.228	–	(E) COLUMNS
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.231	–	(E) BRICK VENEER
02.232	–	(E) METAL LATH AND PLASTER COVERED WALKWAY
02.233	–	(E) METAL SUN LOUVER
02.234	–	(E) DRINKING FOUNTAIN
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
06.004	–	INFILL WALL TO MATCH (E) ADJACENT WALL CONSTRUCTION (SEE STRUCTURAL DWGS.)
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR WALL COVERINGS SHALL EXTEND FROM TOP OF THE FOUNDATION TO THE ROOF, AND TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS AT ALL ROOF OVERHANGS, OR IN CASE OF ENCLOSED EAVES, TERMINATE AT THE ENCLOSURE.
2. ROOF GUTTERS SHALL BE PROVIDED WITH LEAF GUARDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS.
3. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

LEGEND

(N) INFILL WALL, SEE S1.3

WALKER TEXTURES SATIN ON 1 FACE

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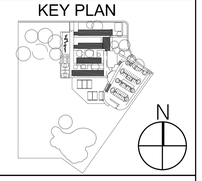

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WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

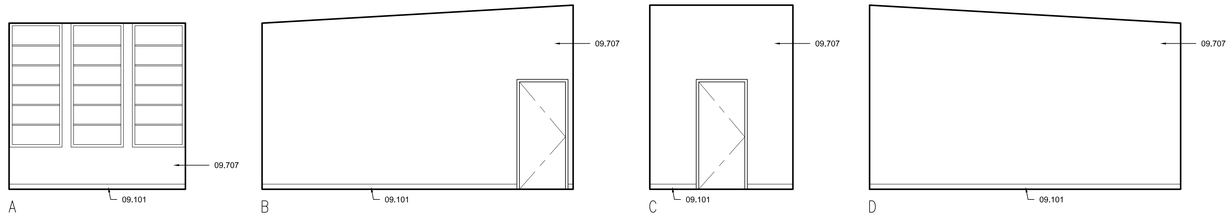
BUILDING E
EXTERIOR ELEVATIONS
ALTERNATE

Date
03/18/19

Drawing Number
AE5.2

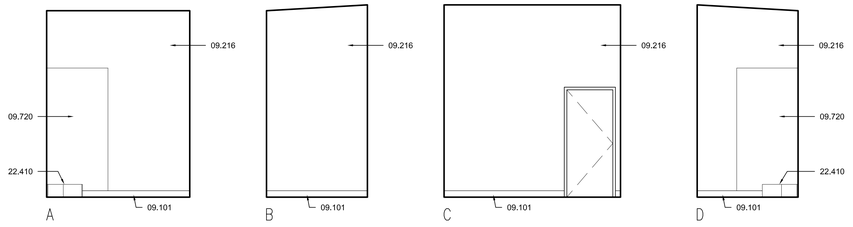
Scale
AS NOTED

Project Number
19003.1



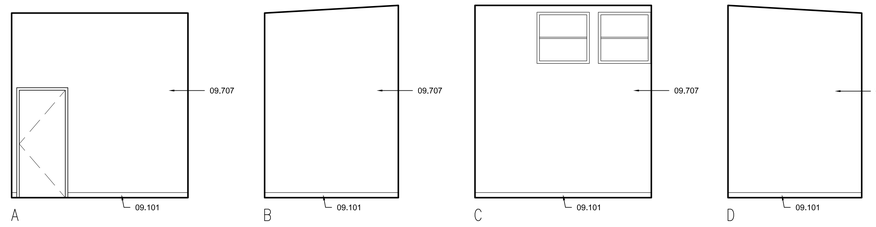
TEACHER'S WORKROOM E101 — 6

SCALE: 1/4" = 1'-0"



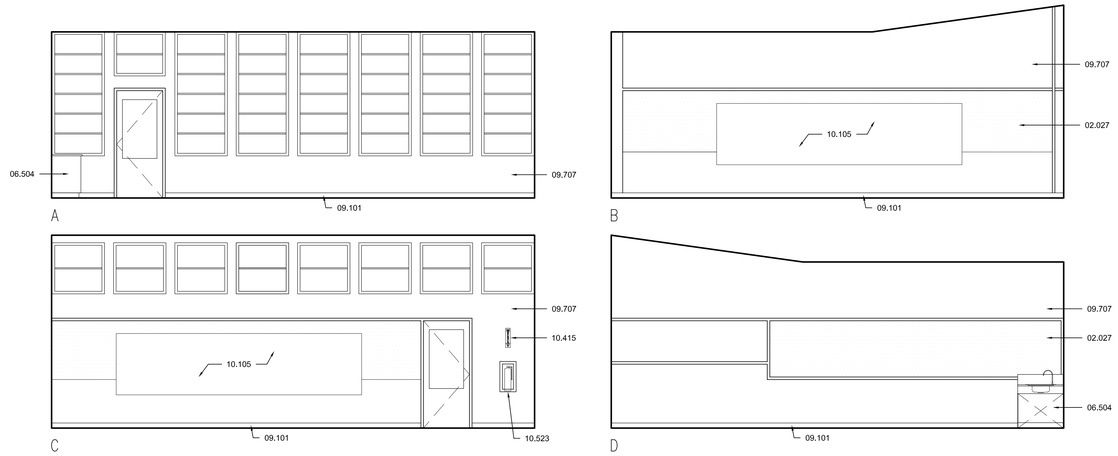
STORAGE E110 — 17

SCALE: 1/4" = 1'-0"



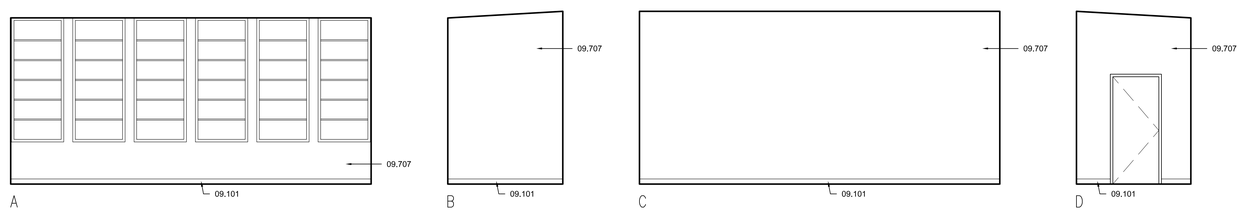
ROOM E102 — 7

SCALE: 1/4" = 1'-0"



CLASSROOM E103 (E104, E105, AND E106 SIM.) — 9

SCALE: 1/4" = 1'-0"



INTERVENTION E107 — 10

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

02.027	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
06.504	-	(E) ACCESSIBLE CASEWORK AND SINK
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
09.216	-	GYP BOARD - MOISTURE RESISTANT
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS
09.720	-	FRP WALL COVERING (FIELD)
10.105	-	MARKER BOARD W/ TRAY (SEE DET. 22/A10.101)
10.415	-	FIRE EXTINGUISHER SIGN (SEE DET. 20/A10.10.1)
10.523	-	FIRE EXTINGUISHER (2A-10B:C) IN SEMI-RECESSED CABINET (SEE DET. 20/A10.101)
22.410	-	MOP SINK

GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT.A9.3 FOR WALL AND WALL BASE FINISH MATERIALS.
2. CONFIRM w/ DISTRICT FOR MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. FOR (E) ELECTRICAL ELEMENTS REMAINING, SEE ELECTRICAL DRAWINGS.
4. FOR MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES AND ACCESSORIES USE SUGGESTED DIMENSIONS, SEE 10/A10.101
5. ALL EXISTING TACKBOARD TO BE PAINTED TO MATCH KOROSEAL - QUARRY TACKBOARD
6. FOR TACKBOARD ALTERNATE, SEE 30/A10.101

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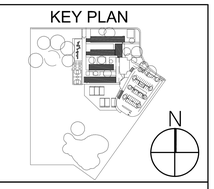
KEY PLAN



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930 WESTACRE ROAD
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CONSTRUCTION DOCUMENTS

WESTMORE OAKS
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SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

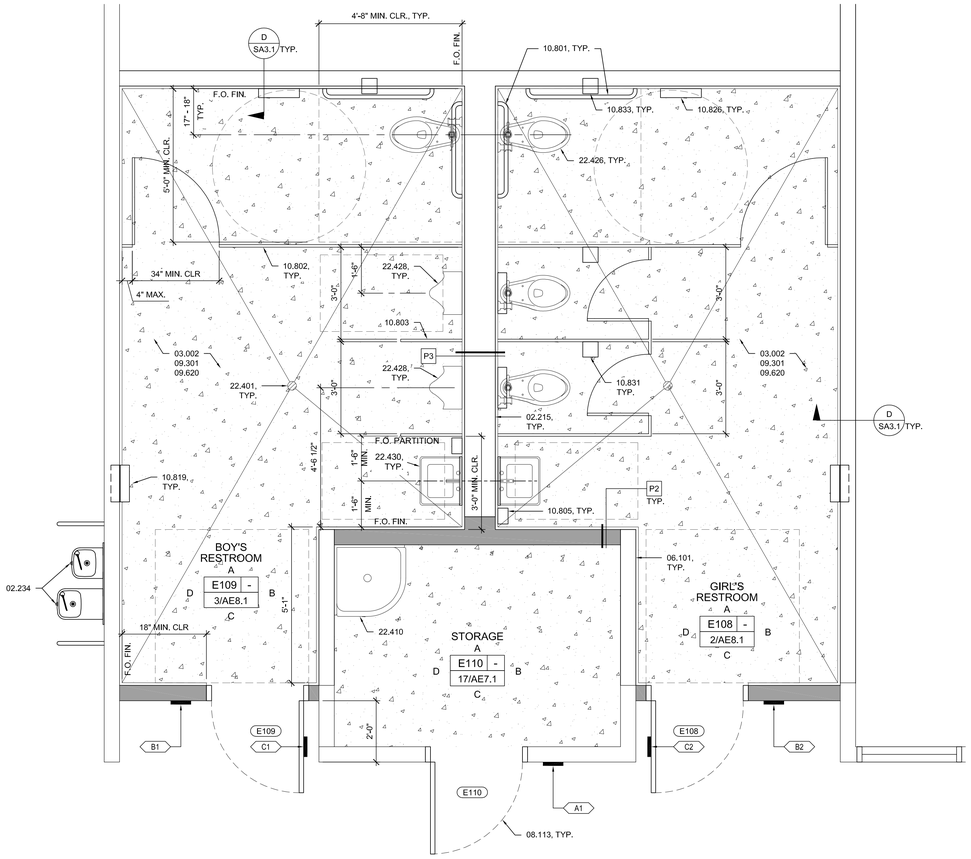
BUILDING E
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
AE7.1

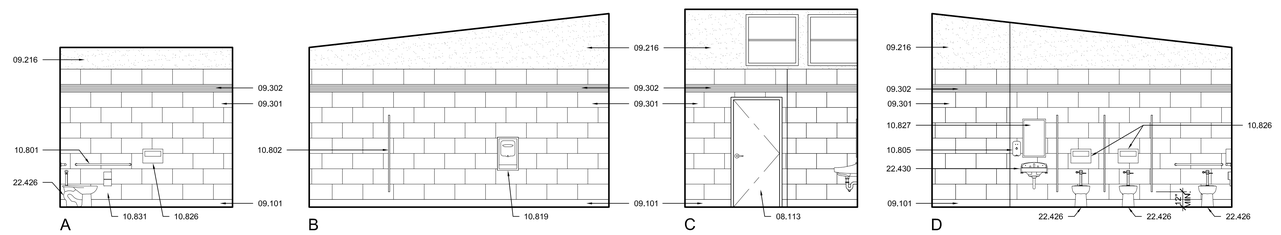


GIRL'S RESTROOM - E108 AND BOY'S RESTROOM - E109 - ENLARGED PROPOSED FLOOR PLAN

1

SCALE: 1/2" = 1'-0"

(REFERENCE ADULT DIMENSIONS PER DETAIL 10/A10.101)



GIRL'S RESTROOM - E108 - INTERIOR ELEVATIONS

2

SCALE: 1/4" = 1'-0"



BOY'S RESTROOM - E109 - INTERIOR ELEVATIONS

3

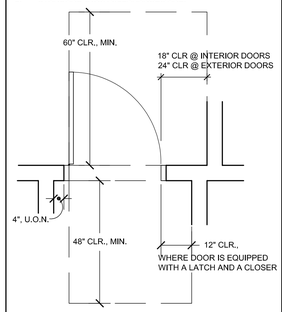
SCALE: 1/4" = 1'-0"

REFERENCE KEYNOTES

02.215	–	(E) WALL TO REMAIN
02.234	–	(E) DRINKING FOUNTAIN
03.002	–	CONC. SLAB (SEE STRUCTURAL DWGS)
06.101	–	WOOD STUD WALL, SEE STRUCTURAL DWGS.
08.113	–	HOLLOW METAL FRAMED DOOR (SEE DOOR SCHEDULE - SHEET A9.1)
09.101	–	WALL BASE (SEE FINISH SCHEDULE)
09.216	–	GYP BOARD - MOISTURE RESISTANT
09.301	–	WALL TILE (SEE DET. 18/ A10.101)
09.302	–	WALL TILE (ACCENT COLOR 1)
09.620	–	EPOXY FLOORING
10.801	–	ACCESSIBLE GRAB BAR (SEE DET. 17/ A10.101)
10.802	–	TOILET PARTITION, FLOOR MOUNTED (SEE DET. 29/A10.101)
10.803	–	URINAL SCREEN, WALL MOUNTED (SEE DET. 28/A10.101) SIM.
10.805	–	SOAP DISPENSER
10.819	–	PAPER TOWEL DISPENSER, 4" MAX. PROTRUSION
10.826	–	TOILET SEAT COVER DISPENSER, SURFACE MOUNTED
10.827	–	MIRROR (SEE DET. 10/ A10.101)
10.831	–	TOILET PAPER DISPENSER
10.833	–	TOILET PAPER DISPENSER, SEMI-RECESSED
22.401	–	FLOOR DRAIN (SEE PLUMBING DWGS. AND DET. 14/ A10.101)
22.410	–	MOP SINK
22.426	–	ACCESSIBLE WATER CLOSET (SEE DET. 10/ A10.101)
22.428	–	ACCESSIBLE URINAL (SEE DET. 10/A10.101)
22.430	–	ACCESSIBLE LAVATORY (SEE DET. 10/ A10.101)

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4

LEGEND

- (E) WALL TO REMAIN
- (N) CONCRETE INFILL SLAB, SEE 16/A10.101
- 60" DIA. CLEAR SPACE FOR SINGLE WHEELCHAIR
- 30"x48" ACCESSIBLE CLEAR SPACE
- (N) FULL HEIGHT WALL, SEE S1.2
- FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND HORIZONTAL CONTROL PLANS FOR LOCATION
- X — DOOR - SEE DOOR SCHEDULE A9.1
- XXX — SIGNAGE- SEE A9.3 FOR SIGNAGE SCHEDULE AND DETAILS
- F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/ A10.101

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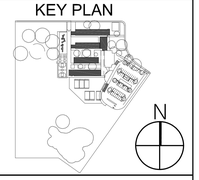
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

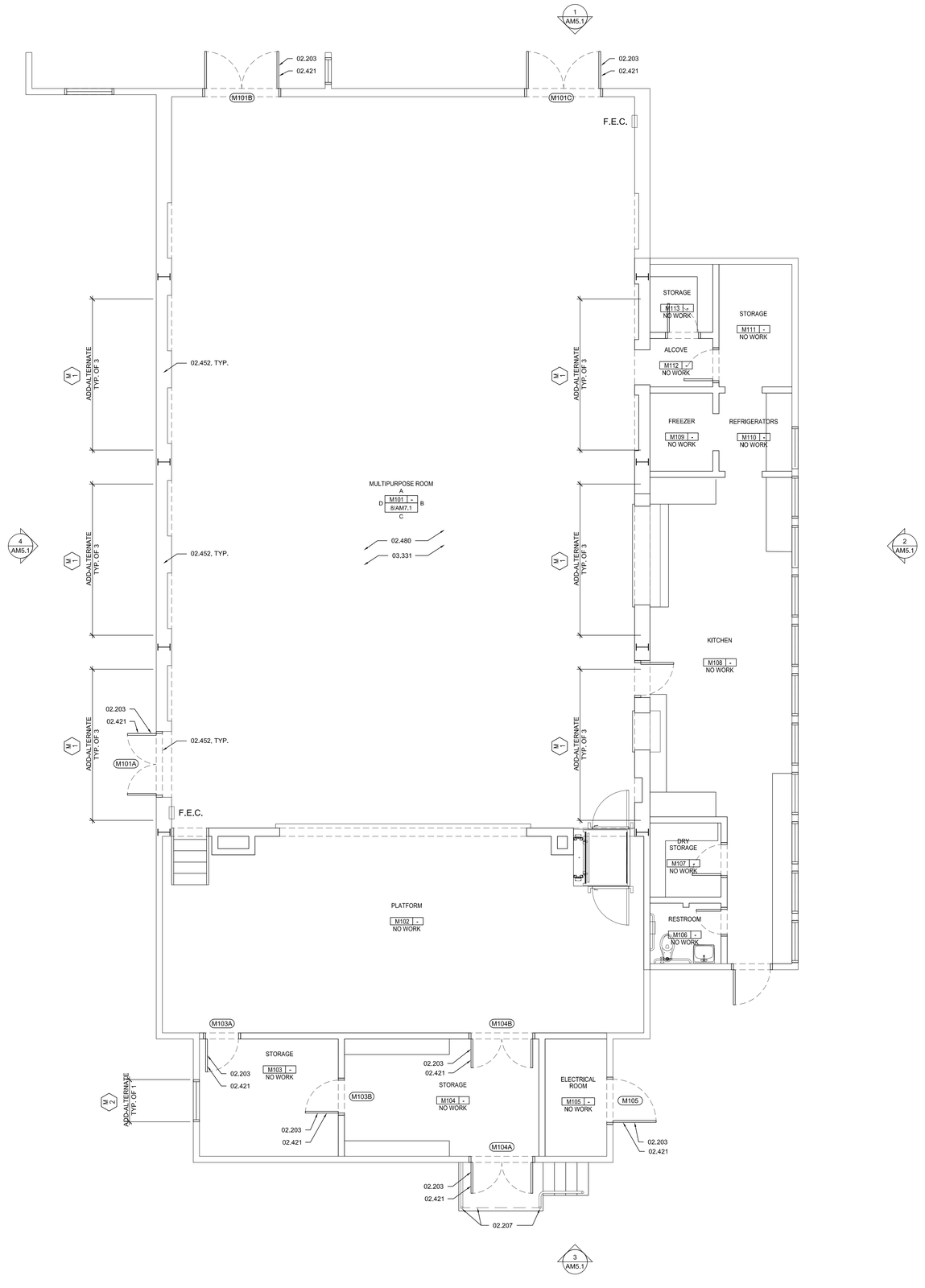
BUILDING E
ENLARGED FLOOR PLANS

Date 03/18/19

Scale AS NOTED

Project Number 19003.1

Drawing Number AE8.1



SCALE: 1/4" = 1'-0"

BULDING M - PROPOSED FLOOR PLAN 1

REFERENCE KEYNOTES

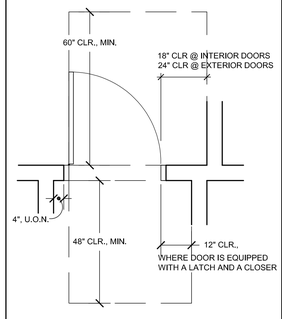
02.203 - (E) DOOR TO REMAIN
02.207 - (E) GUARDRAIL, HANDRAIL AND CHAIN
02.421 - REMOVE (E) HARDWARE

ADD-ALTERNATE REFERENCE KEYNOTES

02.452 – REMOVE (E) WINDOW & WINDOW FRAME, TYP.
02.480 – REMOVE (E) FLOOR FINISH TO CONCRETE SLAB. PREPARE CONCRETE FOR NEW WORK.
03.331 – SEALED STAINED CONCRETE

GENERAL NOTES

1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. STANDARD DOOR CLEARANCES ARE:



3. FOR FINISHES AND SIGNAGE SCHEDULES, SEE A9.3 & A9.4.

LEGEND

X — DOOR - SEE DOOR SCHEDULE A9.1

F.E.C. — RECESSED MOUNTED FIRE EXTINGUISHER CABINET, SEE DET. 20/ A10.101

ADD-ALTERNATE LEGEND

M X — ADD-ALTERNATE
REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.82

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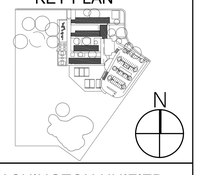
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

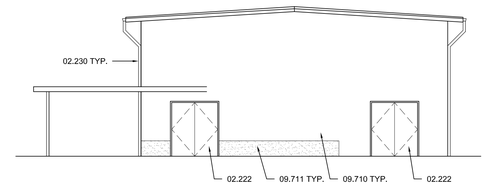
BUILDING M
FLOOR PLANS

Date
03/18/19

Scale
AS NOTED

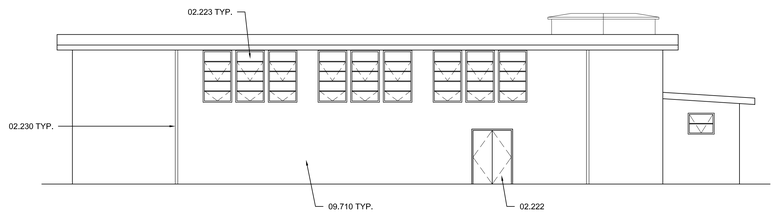
Project Number
19003.1

Drawing Number
AM2.1



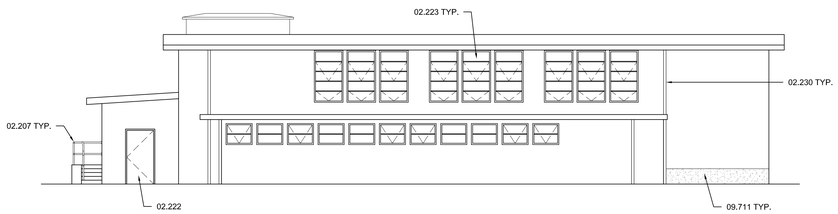
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



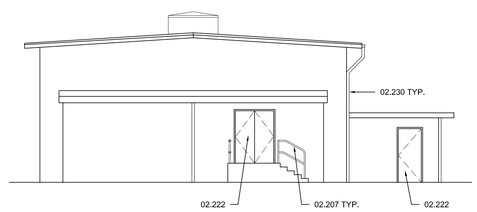
EXTERIOR ELEVATION - WEST 4

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - EAST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.207	–	(E) GUARDRAIL, HANDRAIL AND CHAIN
02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.223	–	(E) WINDOW (SEE WINDOW SCHEDULE)
02.230	–	(E) GUTTERS & DOWNSPOUTS
09.710	–	CEMENT PLASTER
09.711	–	(N) CEMENT PLASTER TO MATCH EXISTING AFTER BRICK REMOVAL

GENERAL NOTES

1. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

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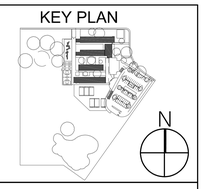
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

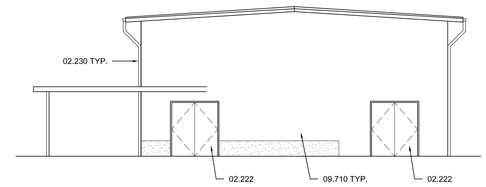
BUILDING M
EXTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

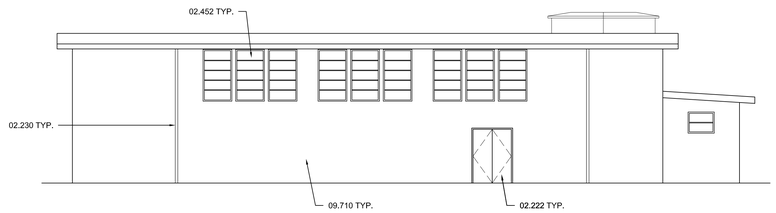
Project Number
19003.1

Drawing Number
AM5.1



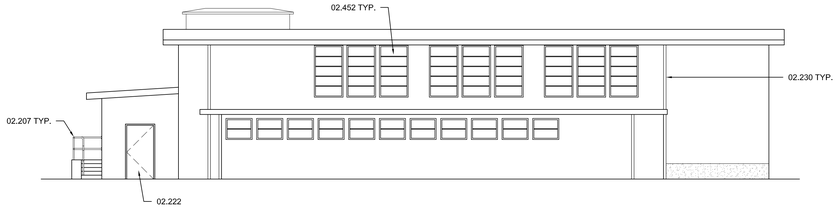
EXTERIOR ELEVATION - NORTH 1

SCALE: 1/8" = 1'-0"



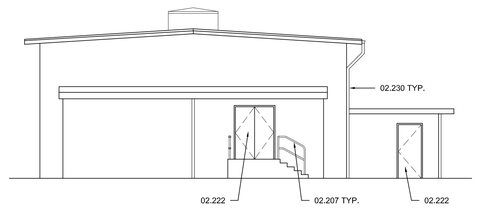
EXTERIOR ELEVATION - WEST 4

SCALE: 1/8" = 1'-0"



EXTERIOR - ELEVATION - EAST 2

SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 3

SCALE: 1/8" = 1'-0"

REFERENCE NOTES

02.207	–	(E) GUARDRAIL, HANDRAIL AND CHAIN
02.222	–	(E) DOOR (SEE DOOR SCHEDULE)
02.230	–	(E) GUTTERS & DOWNSPOUTS
02.452	–	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
09.710	–	CEMENT PLASTER

GENERAL NOTES

1. EXTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, WOOD, GUTTERS, DOWNSPOUTS, COLUMNS, DOORS AND FRAMES, WINDOW FRAMES, ETC. TO BE PAINTED, SEE EXTERIOR FINISHES ON SHEET A9.3.

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○ DSA PLAN CHECK	3/18/2019
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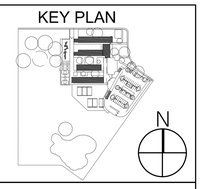
KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

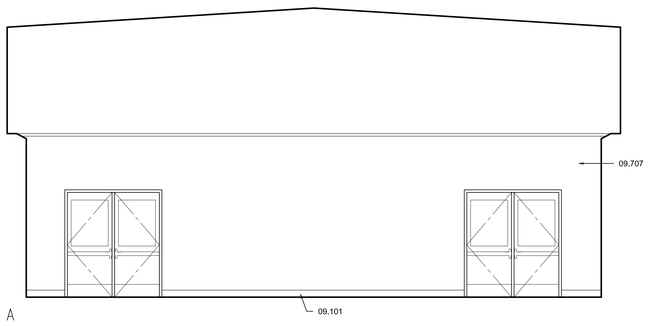
BUILDING M
EXTERIOR ELEVATIONS
ALTERNATE

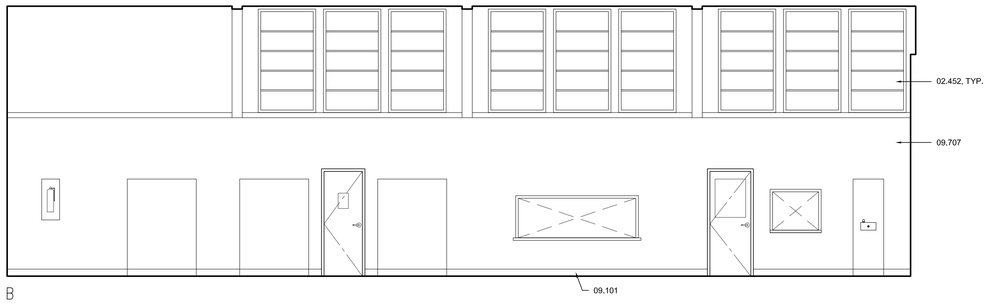
Date
03/18/19

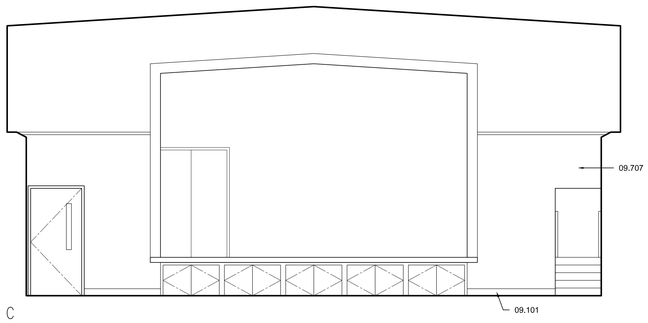
Drawing Number
AM5.2

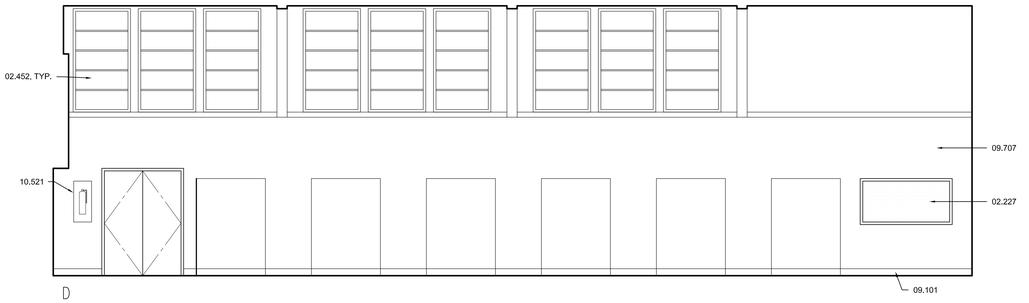
Scale
AS NOTED

Project Number
19003.1









MULTIPURPOSE ROOM M101

8

SCALE: 1/4" = 1'-0"

REFERENCE NOTES

02.227	-	(E) CORKBOARD TO REMAIN, PAINT. ALL STAPLES AND PUSH PINS TO BE REMOVED PRIOR TO PAINTING
09.101	-	WALL BASE (SEE FINISH SCHEDULE)
10.521	-	FIRE EXTINGUISHER (2A-10B:C) ON WALL BRACKET MOUNT

ADD-ALTERNATE REFERENCE KEYNOTES

02.452	-	REMOVE (E) WINDOW & WINDOW FRAME, TYP.
09.707	-	PAINT (E) WALL SURFACE, ALL WALLS

ADD-ALTERNATE DEMOLITION NOTES

1. ALL ELEMENTS IN THE FLOOR PLAN ARE "EXISTING TO REMAIN" UNLESS NOTED OTHERWISE.
2. PREPARE, PATCH, REPAIR, AND CLEAN, SURFACES AFFECTED BY DEMOLITION/REMOVAL WORK TO ACCOMMODATE NEW FINISH OR MATERIAL.
3. PROTECT ADJACENT WALLS, FLOOR, CEILING, CASEWORK, DOORS, FRAME AND EQUIPMENT AFFECTED BY DEMOLITION/REMOVAL WORK.
4. ALL DEMOLITION WORK SHALL COMPLY WITH CFC CHAPTER 14 OF THE FIRE CODE FOR SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 34 OF THE BUILDING CODE FOR EXISTING STRUCTURES.

ADD-ALTERNATE GENERAL NOTES

1. SEE ROOM FINISH SCHEDULE ON SHT A9.4 FOR WALL AND WALL BASE FINISH MATERIALS.
2. REMOVE EXISTING WINDOWS AND REPLACE WITH NEW, SEE WINDOW SCHEDULE ON SHEET A9.2 & WINDOW DETAILS ON SHEET A10.82

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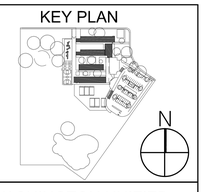
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING M
INTERIOR ELEVATIONS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
AM7.1

DOOR AND FRAME SCHEDULE

MARK	DOOR									HARDWARE			FRAME							SIGNAGE (SEE 9/A9.4)			REMARKS
	NOMINAL SIZE							LOUVERS									DETAILS						
	WIDTH PER LEAF	HT	THK	TYPE	MAT.	GLASS	FINISH	W	HT	CLOSER	PANIC	GROUP (SEE SPECS)	MTL	TYPE	FINISH	LABEL (MIN.)	HEAD	JAMB	THRESHOLD	ROOM ID	OTHER	EXIT	
A101A	(E) 3'-0" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	5	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	SIGNAGE REMARKS 2 THRU 5
A101C	(E) 3'-0" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	5	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	SIGNAGE REMARKS 2 THRU 5
A103	3'-0"	7'-0"	1 3/4"	A	HM	-	P	-	-	-	-	11	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A1	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A104	3'-0"	7'-0"	1 3/4"	A	HM	-	P	-	-	-	-	11	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A1	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A105A	(E) 3'-0" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	5	(E)	(E)	P	-			2/A10.81	A2	F	E	SIGNAGE REMARKS 2 THRU 5 AND 7
A105B	3'-0"	7'-0"	1 3/4"	A	HM	-	P	-	-	-	-	12	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A2	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A106	3'-0"	7'-0"	1 3/4"	A	HM	-	P	-	-	-	-	11	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A1	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A107	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	Y	Y	4	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	A1	-	E	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
A108	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	14	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A2	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A109	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	14	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A1	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A110	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	Y	-	15	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
A111	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	Y	-	15	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B101	(E) 2'-6"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	-	-	3	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	SIGNAGE REMARKS 2 THRU 5
B103A	(E) 3'-4"	(E) 7'-1"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
B103B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
B104	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	10	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B105	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	10	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B106	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	14	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	A1	-	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B107A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
B107B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
B108	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	10	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B109A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
B109B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
B110	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	10	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B111A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
B111B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
B112	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	10	HM	A	P	-	4/A10.81	5/A10.81	7/A10.81	B3	C3	-	DOOR REMARK 2. SIGNAGE REMARKS 2 THRU 5
B113A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
B113B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
B114	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B2	C2	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
B115	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B1	C1	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
B116	3'-0"	7'-0"	1 3/4"	B	HM	-	P			-	-	3	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	A1	-	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
C101A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
C101B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
C102A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
C102B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
C103A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
C103B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
C104A	(E) 3'-4"	(E) 6'-6"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
C104B	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
C105	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B2	C2	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
C106	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B1	C1	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
C107	3'-0"	7'-0"	1 3/4"	B	HM	-	P			-	-	3	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	A1	-	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
D101A	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
D101B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
D102A	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
D102B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
D103A	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
D103B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
D104A	(E) 3'-4"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
D104B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
E101	(E)	(E) 7'-0"	(E)	(E)	(E)	-	P	(E)	(E)	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A2	D	E	SIGNAGE REMARKS 2 THRU 5
E102	3'-0"	7'-0"	1 3/4"	B	HM	-	P	-	-	-	-	14	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	A1	-	-	DOOR REMARKS 2. SIGNAGE REMARKS 2 THRU 5
E103A	(E) 3'-2"	(E) 6'-7"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
E103B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
E104A	(E) 3'-2"	(E) 6'-7"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
E104B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
E105A	(E) 3'-2"	(E) 6'-7"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
E105B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
E106A	(E) 3'-2"	(E) 6'-7"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
E106B	(E) 3'-0"	(E) 7'-0"	(E)	(E)	(E)	(E)	P	-	-	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	D & F	E	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 7
E107	(E) 2'-8"	(E) 7'-0"	(E)	(E)	(E)	-	P	(E)	(E)	Y	-	2	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARK 1 AND 3. SIGNAGE REMARKS 1 THRU 6
E108	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B2	C2	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
E109	3'-0"	7'-0"	1 3/4"	B	HM	-	P			Y	-	9	HM	A	P	-	1/A10.81	3/A10.81	2/A10.81	B1	C1	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
E110	(E) 2'-8"	(E) 7'-0"	(E)	(E)	(E)	-	P	(E)	(E)	-	-	3	(E)	(E)	P	-	-	-	2/A10.81	A1	-	-	DOOR REMARKS 1 AND 2. SIGNAGE REMARKS 2 THRU 5
M101A	(E) 2'-6" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	7	(E)	(E)	P	-	-	-	2/A10.81	A2	-	E	SIGNAGE REMARKS 2 THRU 5
M101B	(E) 3'-0" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	7	(E)	(E)	P	-	-	-	2/A10.81	A2	D	E	SIGNAGE REMARKS 2 THRU 5
M101C	(E) 3'-0" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	7	(E)	(E)	P	-	-	-	2/A10.81	A2	D & F	E	SIGNAGE REMARKS 2 THRU 5 AND 7
M103A	(E) 2'-8"	(E) 6'-10"	(E)	(E)	(E)	-	P	-	-	Y	-	13	(E)	(E)	P	-	-	-	-	A1	-	-	SIGNAGE REMARKS 2 THRU 5
M103B	(E) 2'-8"	(E) 6'-10"	(E)	(E)	(E)	-	P	-	-	Y	-	13	(E)	(E)	P	-	-	-	-	A1	-	-	SIGNAGE REMARKS 2 THRU 5
M104A	(E) 2'-6" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	Y	8	(E)	(E)	P	-	-	-	-	A1	-	-	SIGNAGE REMARKS 2 THRU 5
M104B	(E) 2'-6" PR	(E) 7'-0"	(E)	(E)	(E)	-	P	-	-	Y	-	16	(E)	(E)	P	-	-	-	-	A1	-	-	SIGNAGE REMARKS 2 THRU 5
M105	(E) 3'-6"	(E) 6'-10"	(E)	(E)	(E)	-	P	-	-	-	-	3	(E)	(E)	P	-	-	-	2/A10.81	A2	-	-	SIGNAGE REMARKS 2 THRU 5

NOTE:
NEW BUILDINGS SERVING K-12, CONSTRUCTED WITH STATE FUNDS, ON NEW OR EXISTING CAMPUSES WITH INDIVIDUAL ROOMS WITH AN OCCUPANT LOAD OF 5 OR MORE AND BUILDING ENTRANCES SHALL BE EQUIPPED WITH INTERIOR LOCKING DOOR HARDWARE PER AB-211 (EXCEPT PUPIL RESTROOMS). THIS REQUIREMENT APPLIES REGARDLESS OF OCCUPANCY CLASSIFICATION (ADMIN., PRESS BOXES, ETC.), AND IS APPLICABLE TO "LEASE-BACK" PROJECTS. PROVIDE A COPY OF THE MANUFACTURE'S CUT SHEETS AND HARDWARE LISTING FOR REVIEW. (REF: 17075.50 (a) (b), CAL. ED. CODE)

GATE SCHEDULE

No.	LOCATION	GATE				DETAILS	HARDWARE		REMARKS
		WIDTH	HEIGHT	MATERIAL	FINISH		SET/GROUP	PANIC	
G001	WEST OF CLASSROOM BUILDING B	20'-0"	6'-0"	CHAINLINK	FACTORY	7/A10.31	01	NO	
G002	EAST OF CLASSROOM BUILDING B	3'-0"	5'-0"	CHAINLINK	FACTORY	14/A10.31	06	YES	PANIC HARDWARE/ 180 DEGREE SWING
G003	NORTH OF CLASSROOM BUILDING B	3'-0"	6'-8"	STEEL	FACTORY	19A10.31	06	YES	PANIC HARDWARE/ 180 DEGREE SWING
G004	EAST OF CLASSROOM BUILDING E	8'-0" PAIR 4'-0"	6'-8"	STEEL	STEEL	13/A10.31	06	YES	PANIC HARDWARE ON BOTH LEAFS
G005	EAST OF CLASSROOM BUILDING E	8'-0" PAIR 4'-0"	6'-8"	STEEL	STEEL	13/A10.31	06	YES	PANIC HARDWARE ON BOTH LEAFS
G006	EAST OF CLASSROOM BUILDING E	20'-0"	6'-0"	ORNAMENTAL	STEEL	22/A10.31	06	NO	
G007	SOUTH OF CLASSROOM BUILDING E	8'-0" PAIR 4'-0"	6'-8"	STEEL	STEEL	13/A10.31	06	YES	PANIC HARDWARE ON BOTH LEAFS
G008	WEST OF CLASSROOM BUILDING D	8'-0" PAIR 4'-0"	6'-0"	CHAINLINK	FACTORY	20/A10.31	01	NO	
G009	WEST OF CLASSROOM BUILDING C	8'-0" PAIR 4'-0"	6'-0"	CHAINLINK	FACTORY	20/A10.31	01	NO	
G010	SOUTH OF CLASSROOM BUILDING B	4'-0"	6'-8"	STEEL	FACTORY	GATE INSTALLED UNDER DSA APPLICATION 02-116930	-	YES	PANIC HARDWARE

NOTE: 5 LB. MAXIMUM OPENING FORCE AT GATES AND CLOSING SPEED COMPLYING WITH CBC 11B-404.2.8

ABBREVIATIONS

ACR	=	ACRYLIC
AL	=	ALUMINUM
AN	=	ANODIZED ALUMINUM
CL	=	CLEAR LAMINATE GLAZING
DG	=	DUAL GLAZED TINTED LAMINATE
F	=	FLUSH
FR	=	FIRE RATED
FF	=	FACTORY FINISH
FG	=	FULL GLASS
FL	=	FLUSH LOUVER
FP	=	FLUOROPOLYMER FINISH
FV	=	FLUSH VISION
GL	=	GLASS
GS	=	GALVANIZED STEEL
HG	=	HALF GLASS
HM	=	HOLLOW METAL
IG	=	DUAL PANE, LOW E INSULATED GLAZING
INSUL	=	INSULATED
L	=	LAMINATED SAFETY GLAZING
MTL	=	METAL
N	=	NO
NR	=	NON RATED
P	=	PAINTED - VERIFY COLOR AND FINISH WITH ARCHITECT
PH	=	PANIC HARDWARE
PL	=	PLASTIC LAMINATE TO MATCH WALL
PR	=	PAIR
R	=	INTERIOR WINDOW, SINGLE PANE GLAZING, RATED
RG	=	REFLECTIVE TINTED GLAZING
SC	=	SOLID CORE WOOD
SF	=	STOREFRONT - DUAL PANE, LOW E INSULATED GLAZING
SG	=	SAFETY GLAZING
SP	=	SPANDREL GLAZING
SS	=	STAINLESS STEEL
ST	=	STEEL
STN	=	STAINED
T	=	TEMPERED SAFETY GLAZING, CATEGORY II
T/I	=	TEMPERED INSULATED GLAZING
TL	=	TINTED LAMINATE SAFETY GLAZING
Y	=	YES

SIGNAGE REMARKS

1. FOR SIGNAGE MOUNTING ON GLASS AND STOREFRONT, SEE DETAIL 10/A9.4
2. SEE DETAILS 5/A9.4, 14/A9.4 AND 20/A9.4 FOR MOUNTING HEIGHTS AND SIGNAGE LOCATIONS
3. SEE DETAIL 13/A9.4 FOR BRAILLE REQUIREMENTS.
4. FOR SIGNAGE NOT INDICATING TEXT ALLOW FOR 15 LETTERS / NUMBERS
5. VERIFY ALL SIGN TEXT, COLOR AND GRAPHICS WITH ARCHITECT PRIOR TO FABRICATION OF ALL SIGNS.
6. FOR ALL SIGNS ON GLAZING PROVIDE 3M SCOTCHCAL 220-89 DURANODIC VINYL TO BACK OF SIGN BETWEEN GLASS.
7. ASSISTED LISTENING DEVICE AVAILABLE AT FRONT OFFICE

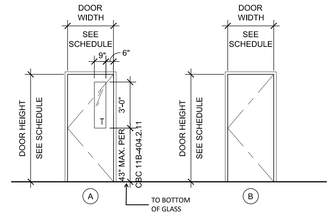
DOOR REMARKS

1. ACOUSTICAL SEALS - SEE HARDWARE GROUP
2. SEE SPECIFICATIONS FOR MATERIALS AND FINISHES
3. CLASSROOM DOORS SHALL BE LOCKABLE FROM THE INSIDE, SEE DOOR HARDWARE GROUPS.

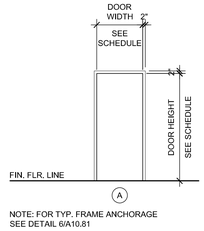
DOOR NOTES

1. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AT CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. THE AUTHORITY HAVING JURISDICTION MAY INCREASE THE MAXIMUM EFFORT TO OPERATE FIRE DOORS TO ACHIEVE POSITIVE LATCHING, BUT NOT TO EXCEED 15LBS. MAX.
2. ADJUSTABLE CLOSERS TO COMPLY WITH 2016 CBC 11B-404.2.8 (CLOSER DELAY TIME)
3. HAND ACTIVATED DOOR-OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BAR, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION
4. MOUNT ALL HARDWARE PER 2016 CBC 11B-404.
5. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
6. ALL FIRE-RATED DOORS SHALL BE AUTOMATIC CLOSING OR SELF CLOSING AS PROVIDED IN SECTION 713.6 (f) (CBC). IN ADDITION, SEE SECTION 713.2, 713.3, 713.4 FOR SPECIAL PROVISIONS RELATING TO FIRE DOORS.
7. FIRE-RATED OPENINGS: FURNISH AND INSTALL HARDWARE IN COMPLIANCE WITH THE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2, CALIFORNIA BUILDING CODE AND NFPA STANDARD NO. 80. THIS REQUIREMENT TAKES PRECEDENCE OVER THE REQUIREMENTS FOR SUCH HARDWARE.
8. FURNISH AND INSTALL ONLY HARDWARE WHICH HAS BEEN TESTED AND LISTED BY UNDERWRITERS' LABORATORIES, FACTORY MUTUAL, OR OTHER TESTING AGENCY ACCEPTABLE TO THE STATE FIRE MARSHAL FOR THE TYPE AND SIZE OF EACH DOOR REQUIRED, AND COMPLIES WITH THE REQUIREMENTS OF THE DOOR AND DOOR FRAME LABELS. FURNISH AND INSTALL LATCHING HARDWARE, DOOR CLOSER, BALL BEARING HINGES, AND SEALS WHETHER LISTED IN THE FINISH HARDWARE SCHEDULE OR NOT.
9. WHERE PANIC EXIT DEVICES ARE REQUIRED ON FIRE-RATED DOORS, FURNISH AND INSTALL SUPPLEMENTARY MARKING ON DOOR LABEL INDICATING "FIRE DOOR TO BE EQUIPPED WITH FIRE EXIT HARDWARE", AND FURNISH AND INSTALL LABEL ON EXIT DEVICE INDICATING "FIRE EXIT HARDWARE".
10. PROVIDE A LOG OF ALL FIRE RATED DOOR ASSEMBLIES COMPLETE WITH SERIAL NUMBERS, FIRE RATING, LISTING AGENCY, ETC. AND DELIVER TO OWNER.
11. FIRE EXIT HARDWARE SHALL BE LISTED IN ACCORDANCE WITH UL 10C AND UL 305.
12. DOOR GLASS AT RATED AREAS TO MATCH DOOR LABEL
13. RATED DOOR AND FRAME ASSEMBLIES SHALL BE U.L. LABELED AND APPROVED.
14. PANIC HARDWARE SHALL BE LISTED IN ACCORDANCE WITH UL 305, AND SFM 12-10-3 AND 12-10-302.
15. CONSTRUCTION-THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION
16. MAXIMUM UNDERCUT OF RATED DOORS SHALL BE 1/2"
17. THRESHOLD IN THE PATH OF TRAVEL SHALL CONFORM TO THE CBC - 11B-404.2.5
18. VERIFY ALL OPENINGS PRIOR TO FABRICATION OF FRAMES. EXACT SIZES AND CONFIGURATIONS OF ALL DOOR AND WINDOW SECTIONS SHALL BE VERIFIED ON THE SITE PRIOR TO FABRICATION
19. VERIFY ALL EXISTING DOOR FRAMES SCHEDULED TO REMAIN, PRIOR TO FABRICATION OF NEW DOORS
20. FLOOR STOPS ARE NOT PERMITTED IN ANY PATH OF TRAVEL.
21. EXTERIOR DOOR SHOULD INCLUDE ALL-AROUND RATED WEATHER-TIGHT DOOR STOP SEALS AND WEATHER-STRIPPING
22. FURNISH AND INSTALL DISSIMILAR METAL SEPARATION AT FRAME AND DOOR, AT HINGE AND FRAME, AND AT ATTACHING SCREWS AND FRAME.
23. FRAMES FOR EXTERIOR DOORS AND WINDOWS SHALL BE SET IN SEALANT.
24. KICK PLATES TO BE INSTALLED ON PUSH SIDE OF DOORS. SEE HARDWARE SPECIFICATIONS
25. SEE 15/A10.82 FOR ADDITIONAL WEATHERPROOFING FOR DOORS AND WINDOWS IN WOOD STUD WALLS.
26. FOR TYP. FRAME ANCHORAGE, SEE 15/A10.8.2
27. ALL DOOR GLAZING TO BE LAMINATED SAFETY GLASS OR WIRE @ RATED AREAS
28. DOOR AND WINDOW SECTIONS SHOWN ON THESE DRAWINGS ARE SCHEMATIC ONLY. FOR MORE DETAILED SECTIONS, SEE MANUFACTURER'S DETAILS FOR THE SERIES AND CONDITIONS SPECIFIED
29. THE BUILDING ENTRANCES AND EXITS SHALL BE IDENTIFIED WITH ONE STANDARD SIGN OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS DESCRIBED IN THE CALIFORNIA STATE BUILDING CODE. VERIFY EXACT LOCATION WITH ARCHITECT
30. ROOM NUMBER / DOOR NUMBER DESIGNATIONS ARE FOR CONSTRUCTION NUMBERING ONLY. CONTRACTORS SHALL COORDINATE WITH THE OWNER FOR ACTUAL ROOM NAMES AND ROOM NUMBERS PRIOR TO SUBMITTAL OF SIGNAGE
31. PROVIDE TACTILE EXIT SIGNS AT ALL EXTERIOR GRADE LEVEL DOORS
32. FOR BRAILLE SIGNAGE TEMPLATES SEE 13/A9.4
33. SEE GENERAL NOTES ON FLOOR PLANS FOR LEVEL MANUVERING CLEARANCES
34. ROOM IDENTIFICATION SIGNAGE PER 9/A9.4

DOOR TYPES



FRAME TYPES



NOTE: FOR TYP. FRAME ANCHORAGE
SEE DETAIL 6/A10.81

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ARCHITECT	ENGINEER

WINDOW OPENING SCHEDULE

SYMBOL MARK	LOCATION		RATING	FRAME			GLASS	DETAILS					REMARKS
	BLDG #	NAME		MTL	FINISH	COLOR		JAMB	HEAD	SILL	OTHER	SPECIAL DETAIL	
A1	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
A2	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1
A3	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	10/A10.82	6/A10.82	7/A10.82	-	-	WINDOW REMARK 1
A4	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	10/A10.82	6/A10.82	7/A10.82	1/A10.82	2/A10.82	WINDOW REMARK 1
A5	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	9/A10.82	4/A10.82	5/A10.82	-	-	WINDOW REMARK 1
A6	A	ADMINISTRATION BUILDING	-	ST	FF	TBD	DG	10/A10.82	6/A10.82	7/A10.82	-	-	WINDOW REMARK 1
B1	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	9/A10.82	4/A10.82	5/A10.82	-	-	WINDOW REMARK 1 (SEE GLAZING LEGEND)
B2	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1 (SEE GLAZING LEGEND)
B3	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
B4	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
B5	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1 (SEE GLAZING LEGEND)
B6	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1 (SEE GLAZING LEGEND)
B7	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
B8	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
B9	B	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
C1	C	CLASSROOM BUILDING	-	ST	FF	TBD	DG	9/A10.82	4/A10.82	5/A10.82	-	-	WINDOW REMARK 1
C2	C	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1 (SEE GLAZING LEGEND)
C3	C	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
C4	C	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
D1	D	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
D2	D	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1 (SEE GLAZING LEGEND)
D3	D	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
E1	E	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	4/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1
E1A	E	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	11/A10.82	WINDOW REMARK 1
E2	E	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1 (SEE GLAZING LEGEND)
E3	E	CLASSROOM BUILDING	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	2/A10.82	-	-	WINDOW REMARK 1
M1	M	MULTIPURPOSE	-	ST	FF	TBD	DG	8/A10.82	1/A10.82	5/A10.82	9/A10.82	11/A10.82	WINDOW REMARK 1
M2	M	MULTIPURPOSE	-	ST	FF	TBD	DG	9/A10.82	4/A10.82	5/A10.82	-	-	WINDOW REMARK 1

1. ANY NEW WINDOW SECTION WHOSE NEAREST VERTICAL EDGE IS WITHIN 24" FROM A DOOR IN THE CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60" ABOVE THE WALKING SURFACE SHALL BE TEMPERED. ALSO, ANY WINDOW SECTION WHERE THE LOWEST EDGE OF THE GLAZING MATERIAL IS LESS THAN 18" ABOVE THE FLOOR AND WHOSE TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR AND WHERE THE SECTION IS GREATER THAN 9 SF AND IS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE SHALL BE TEMPERED

WINDOW COLUMN REF GUIDE

1. SYMBOL MARK: DESIGNATION ASSIGNED TO SPECIFIC WINDOW AS SHOWN IN FLOOR PLAN
2. LOCATION: DESIGNATION IS ROOM NUMBER AND ROOM NAME
3. TYPE: WINDOW TYPE DESIGNATION
4. SIZE: OVERALL WIDTH AND HEIGHT OF WINDOW IN FEET AND INCHES
5. RATING: DESIGNATES RATING CLASSIFICATION LABEL REQUIRED FOR WINDOW FRAME WITH TIME PERIOD REQUIRED IN MINUTES.
6. MATERIAL: INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED, I.E. HM - HOLLOW METAL, REFER TO LIST OF ABBREVIATIONS NOTED
7. GLASS: DESIGNATES TYPE OF GLASS TO BE INSTALLED IN WINDOW, I.E. TL - TINTED LAMINATED GLAZING, REFER TO LIST OF ABBREVIATIONS
8. REMARKS: REFERENCES SPECIAL, UNUSUAL OR ABSTRACT CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 7 REFER TO REMARKS REFERENCE SCHEDULE FOR NUMERICAL DESIGNATIONS.

WINDOW REMARKS

1. SEE SPECIFICATIONS FOR MATERIALS AND FINISHES

GLAZING LEGEND

WALKER TEXTURES SATIN ON 1 FACE

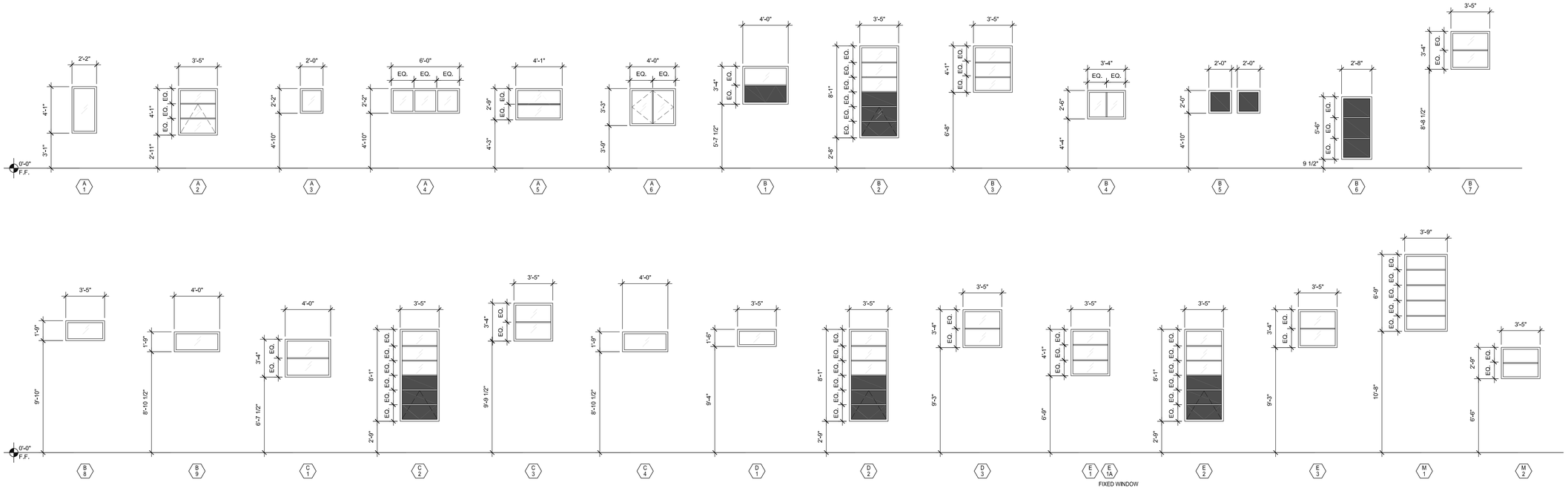
ABBREVIATIONS

ACR	=	ACRYLIC
AL	=	ALUMINUM
AN	=	ANODIZED ALUMINUM
CL	=	CLEAR LAMINATE GLAZING
DG	=	DUAL GLAZED TINTED LAMINATE
F	=	FLUSH
FR	=	FIRE RATED
FF	=	FACTORY FINISH
FG	=	FULL GLASS
FL	=	FLUSH LOUVER
FP	=	FLUOROPOLYMER FINISH
FV	=	FLUSH VISION
GL	=	GLASS
GS	=	GALVANIZED STEEL
HG	=	HALF GLASS
HM	=	HOLLOW METAL
IG	=	DUAL PANE, LOW E INSULATED GLAZING
INSUL	=	INSULATED
L	=	LAMINATED SAFETY GLAZING
MTL	=	METAL
N	=	NO
NR	=	NON RATED
P	=	PAINTED - VERIFY COLOR AND FINISH WITH ARCHITECT
PH	=	PANIC HARDWARE
PL	=	PLASTIC LAMINATE TO MATCH WALL
PR	=	PAIR
R	=	INTERIOR WINDOW, SINGLE PANE GLAZING, RATED
RG	=	REFLECTIVE TINTED GLAZING
SC	=	SOLID CORE WOOD
SF	=	STOREFRONT - DUAL PANE, LOW E INSULATED GLAZING
SG	=	SAFETY GLAZING
SP	=	SPANDREL GLAZING
SS	=	STAINLESS STEEL
ST	=	STEEL
STN	=	STAINED
T	=	TEMPERED SAFETY GLAZING, CATEGORY II
T/I	=	TEMPERED INSULATED GLAZING
TL	=	TINTED LAMINATE SAFETY GLAZING
Y	=	YES

WINDOW NOTES

1. REFERENCE OF WINDOWS ARE MADE ON THE FLOOR PLANS, TYP.
2. ALL WINDOWS ARE BASED ON NOMINAL 2" WINDOW PROFILE.
3. ALL OVERALL DIMENSIONS CORRESPOND TO WINDOW ROUGH OPENINGS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO COORDINATE ROUGH OPENING SIZE WITH REQUIRED SHIM SPACES AND FINISH FRAME DIMENSION.
5. ALL ROUGH OPENING DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO WINDOW FABRICATION.
6. ALL WINDOWS SHOULD BE RATED STC 35
7. ALL WINDOWS SHALL BE 20 MINUTE FIRE RATED.
8. FOR TYPICAL MULLION DETAILS SEE A10.82.
9. SAFETY GLAZING IS REQUIRED WHEN BOTTOM OF EXPOSED EDGE OF GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
10. SAFETY GLAZING SHALL COMPLY WITH SEC 2406 OF CBC 2016.
11. PROVIDE LIMITER DEVICE TO STOP WINDOW FROM PROTRUDING MORE THAN 4" INTO SPACE BELOW 80 INCHES A.F.F WHEN OPENED.

WINDOW TYPES



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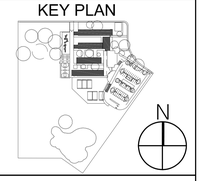
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

WINDOW
SCHEDULE

Date
03/18/19

Drawing Number
A9.2

Scale
AS NOTED

Project Number
19003.1

ROOM FINISH SCHEDULE

ROOM		FLR MTL	BASE FINISH	WALL MATERIAL				CEILING		CASEWORK		REMARKS
NUMBER	NAME			NORTH	SOUTH	EAST	WEST	MTL	HT	CABINETS	COUNTERS	
A101	VESTIBULE	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	PL	SS	
A102	OPEN OFFICE	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	PL	SS	
A103	PRINCIPAL	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	-	-	
A104	OFFICE	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	-	-	
A105	COMMUNITY ROOM	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	-	-	
A106	OFFICE	CON 1	RB	GB1/P1	GB1/P1	GB1/P2	GB1/P1	GB1	VARIES	-	-	
A107	HALLWAY	CON 1	RB	GB1/P1	GB1/P1	-	GB1/P1	GB1	VARIES	PL	SS	
A108	MDF ELECTRICAL	CON 1	RB	GB1/P1	GB1/P1	GB1/P1	GB2/P1	GB1	VARIES	-	-	
A109	STORAGE	CON 1	RB	GB1/P1	GB1/P1	GB1/P1	GB2/P1	GB1	VARIES	-	-	
A110	RESTROOM	EP	EPC	GB1/T1 / T2	GB1/T1 / T2	GB1/T1 / T2	GB1/T1 / T2	GB1	VARIES	-	-	
A111	RESTROOM	EP	EPC	GB1/T1 / T2	GB1/T1 / T2	GB1/T1 / T2	GB1/T1 / T2	GB1	VARIES	-	-	
B101	IDF	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
B102	KINDERGARTEN BREAKOUT	CON 1	RB	P1	P2	P1	P1	P1	-	-	-	TB & GB AS NEEDED
B103	KINDERGARTEN CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
B104	KINDERGARTEN RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B105	KINDERGARTEN RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B106	KINDERGARTEN STORAGE	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
B107	KINDERGARTEN CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
B108	KINDERGARTEN RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B109	KINDERGARTEN CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
B110	PRE-SCHOOL RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B111	PRE-SCHOOL CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
B112	RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B113	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
B114	GIRL'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B115	BOY'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
B116	STORAGE	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
C101	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
C102	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
C103	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
C104	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
C105	GIRL'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
C106	BOY'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
C107	STORAGE	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
D101	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
D102	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
D103	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
D104	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
E101	TEACHERS WORKROOM	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
E102	IDF	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
E103	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
E104	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
E105	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
E106	CLASSROOM	CON 1	RB	P1	P2	P1	P1	P1	-	PL	SS	TB & GB AS NEEDED
E108	GIRL'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
E109	BOY'S RESTROOM	EP	EPC	T1 / T2	T1 / T2	T1 / T2	T1 / T2	P1	-	-	-	
E110	STORAGE	CON 1	RB	P1	P1	P1	P1	P1	-	-	-	TB & GB AS NEEDED
M101	MULTI-PURPOSE ROOM	CON 2	RB	P1	P1	P1	P1	-	-	-	-	ADD-ALTERNATE

MATERIAL LEGEND

SYMBOL	MATERIAL	MANUFACTURER	COLOR	NOTES
GB1	5/8" GYP BD W/ TEXTURE FIN.	-	-	-
GB2	5/8" TYPE 'X' ONE-HOUR RATED GYP BD W/ TEXTURED FIN.	-	-	-
RB	4" RUBBER BASE	BURKE	BLACKBROWN	-
EP	EPOXY FLOORING	DEX-O-TEX, TERRACOLOR	GREEN 211	-
EPC	EPOXY COVE BASE	DEX-O-TEX, TERRACOLOR	GREEN 211	-
CON 1	POLISH (E) CONCRETE FLOORS	-	-	-
P1	EGGSHELL PAINT, COLOR 1 (FIELD)	KELLY MOORE	TEXAN ANGEL	-
P2	EGGSHELL PAINT, COLOR 2 (ACCENT)	KELLY MOORE	BANYAN SERENITY	-
PL	PLASTIC LAMINATE	PIONITE	OLD FRIEND	-
SS	SOLID SURFACE COUNTERTOP	CORIAN	DEEP MINK	-
T1	TILE, COLOR 1 (FIELD)	DAL-TILE; LINDEN POINT	GRIGIO	-
T2	TILE, COLOR 2 (ACCENT)	DAL-TILE; COLOR WAVE	GREEN PARADE CW15	-
TB	TACKBOARD	KOROSEAL	QUARRY	SEE DETAIL 13/A10.101 FOR TYPICAL TACKBOARD ATTACHMENT
TP	TOILET PARTITIONS	BOBRICK	SIERRASERIES - FOREST GREEN	-

GENERAL NOTES

1. LIGHT ORANGE PEEL TEXTURE @ GYP. BOARD WALLS.
2. ACCENT WALL-ONE WALL IN ROOM SELECTED BY ARCHITECT.
3. DOORS (INTERIOR & EXTERIOR) - SEE DOOR SCHEDULE SHEET A9.1 FOR FINISH SELECTIONS.

EXTERIOR FINISHES

PAINT (KELLY MOORE COLORS, U.O.N.)
1. EXTERIOR DOOR AND FRAMES, FASCIA, GUTTERS, DOWNSPOUTS, METAL COLUMNS
   - WUSD METAL GREEN 2015
2. EXTERIOR STUCCO, SOFFITS, BEAMS, EXPOSED WOOD
   - WISE OWL
3. (E) WINDOW FRAMES
   - NAVAJO WHITE
4. BRICK
   - POWER WASH AND SEAL

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3-8 & 10, AND TITLE 19 C.C.R
2. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL RESTROOMS, MOPSINK AREAS AND WALLS ADJACENT TO ANY SINK OR DRINKING FOUNTAIN WHERE GYPSUM BOARD IS SCHEDULED
3. DO NOT INSTALL MOISTURE RESISTANT GYPSUM BOARD AT CEILING PLANES
4. THINSET WALL TILE OVER STUD FRAMING TO BE OVER 5/8" MOISTURE RESISTANT GYPSUM BOARD
5. LIGHT TEXTURE AT GYP. BOARD WALLS
6. PROVIDE SEMI-GLOSS PAINT FINISH TO WALLS AND CEILING.
7. ALL INTERIOR SURFACES, DOOR AND WINDOW JAMBS, INTERIOR SIDE OF ALL DOORS AND ALL OTHER INTERIOR SURFACES, EXCEPT FOR ALUMINUM OR GALVANIZED WINDOWS AND SUPPORTS, ARE TO BE PAINTED. ALL EXISTING WOOD TRIM SHALL BE REPAIRED AND SMOOTH PRIOR TO PAINT.

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SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE No. C-30945 Renewal 08/31/2020 STATE OF CALIFORNIA	

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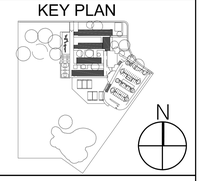
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

FINISH SCHEDULE

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
A9.3

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059"(1.5MM) to 0.063" (1.6MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL*	0.100"(2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS*	0.300" (7.6MM)
DOT HEIGHT	0.025" (0.6MM) to 0.037" (0.9MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW*	0.395" (10MM) to 0.400" (10.2MM)
* MEASURED CENTER TO CENTER	

NOTE: DOMED OR ROUNDED SHAPE IS REQUIRED FOR BRAILLE CHARACTERS

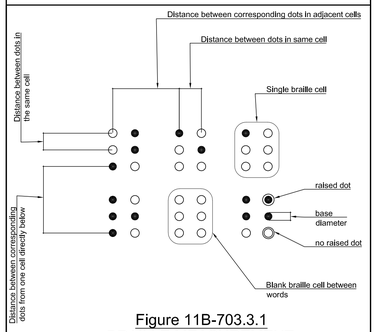
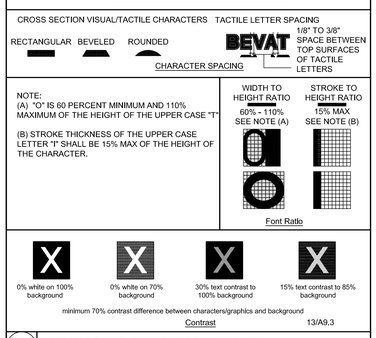
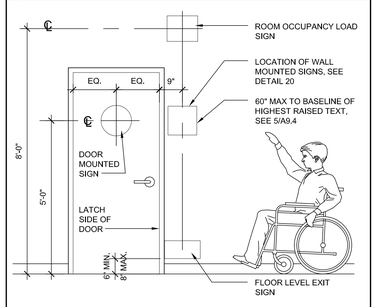


Figure 11B-703.3.1
BRAILLE MEASUREMENT



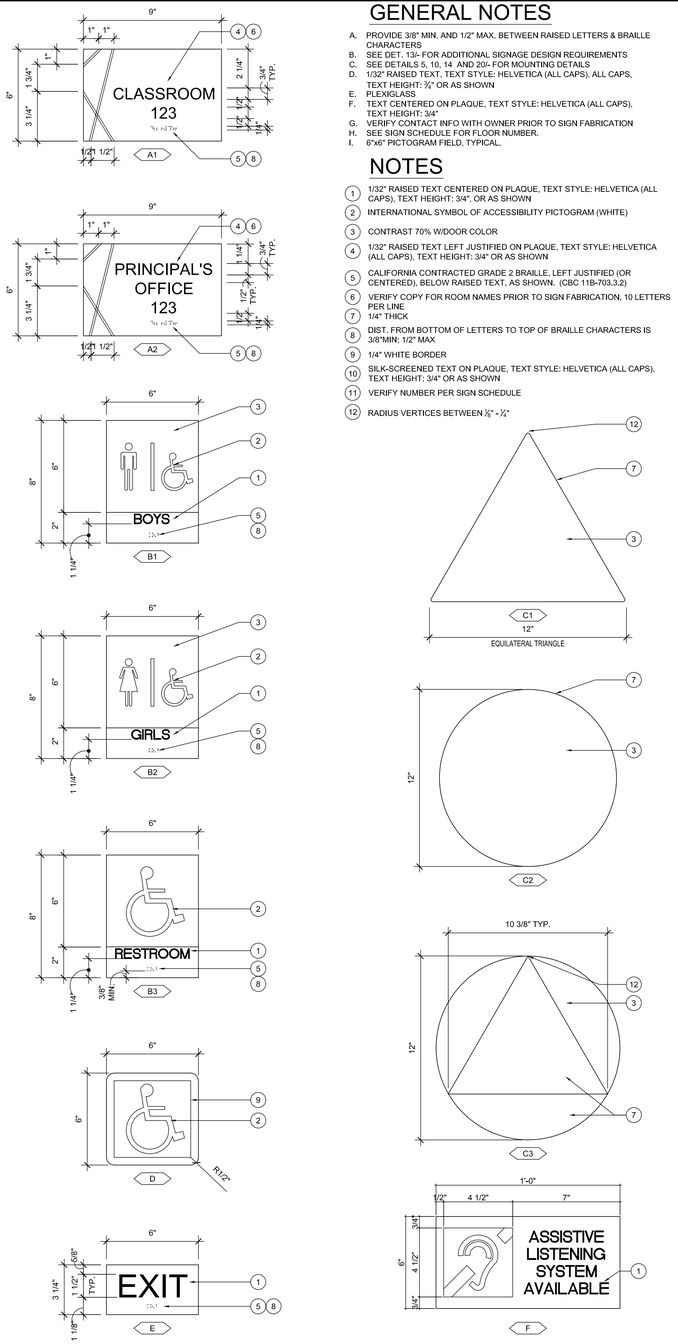
13/A9.3

13 SIGNAGE DESIGN REQTS. NTS



14/A9.3

14 MOUNTING HEIGHTS 1/2" = 1'-0"



DETAIL 9/A9.3

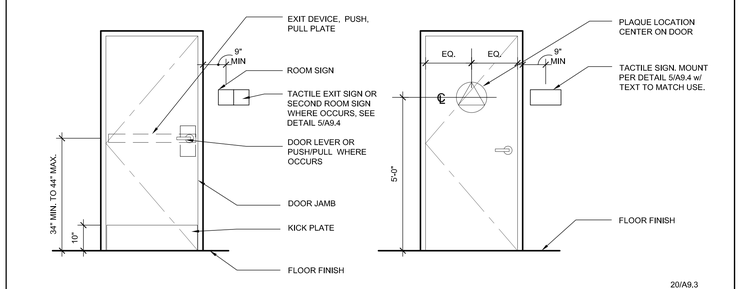
9 SIGN TYPES 3" = 1'-0"

GENERAL NOTES

A. PROVIDE 3/8" MIN. AND 1/2" MAX. BETWEEN RAISED LETTERS & BRAILLE CHARACTERS
B. SEE DET. 13/- FOR ADDITIONAL SIGNAGE DESIGN REQUIREMENTS
C. SEE DETAILS 5, 10, 14 AND 20/- FOR MOUNTING DETAILS
D. 1/32" RAISED TEXT, TEXT STYLE: HELVETICA (ALL CAPS), ALL CAPS, TEXT HEIGHT: ⅝" OR AS SHOWN
E. PLEXIGLASS
F. TEXT CENTERED ON PLAQUE, TEXT STYLE: HELVETICA (ALL CAPS), TEXT HEIGHT: 3/4"
G. VERIFY CONTACT INFO WITH OWNER PRIOR TO SIGN FABRICATION
H. SEE SIGN SCHEDULE FOR FLOOR NUMBER.
I. 6"x6" PICTOGRAM FIELD, TYPICAL.

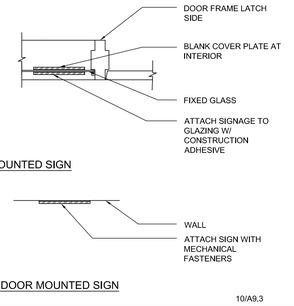
NOTES

1. 1/32" RAISED TEXT CENTERED ON PLAQUE, TEXT STYLE: HELVETICA (ALL CAPS), TEXT HEIGHT: 3/4", OR AS SHOWN
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY PICTOGRAM (WHITE)
3. CONTRAST 70% W/DOOR COLOR
4. 1/32" RAISED TEXT LEFT JUSTIFIED ON PLAQUE, TEXT STYLE: HELVETICA (ALL CAPS), TEXT HEIGHT: 3/4" OR AS SHOWN
5. CALIFORNIA CONTRACTED GRADE 2 BRAILLE, LEFT JUSTIFIED (OR CENTERED), BELOW RAISED TEXT, AS SHOWN. (CBC 11B-703.3.2)
6. VERIFY COPY FOR ROOM NAMES PRIOR TO SIGN FABRICATION, 10 LETTERS PER LINE
7. 1/4" THICK
8. DIST. FROM BOTTOM OF LETTERS TO TOP OF BRAILLE CHARACTERS IS 3/8"MIN; 1/2" MAX
9. 1/4" WHITE BORDER
10. SILK-SCREENED TEXT ON PLAQUE, TEXT STYLE: HELVETICA (ALL CAPS), TEXT HEIGHT: 3/4" OR AS SHOWN
11. VERIFY NUMBER PER SIGN SCHEDULE
12. RADIUS VERTICES BETWEEN ⅛" - ¼"



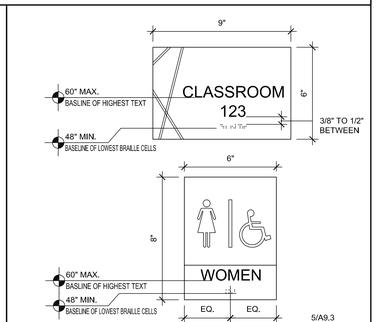
20/A9.3

20 MOUNTING HEIGHTS 1/2" = 1'-0"



10/A9.3

10 MOUNTING DETAILS 1" = 1'-0"



5/A9.3

5 MOUNTING HT. FOR SIGN 3" = 1'-0"

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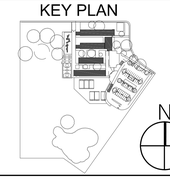

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SCHOOL DISTRICT
930 WESTACRE ROAD
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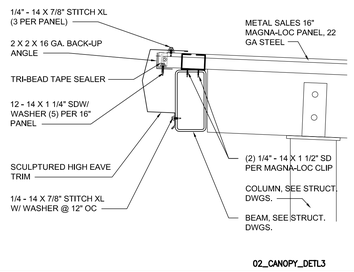
CONSTRUCTION DOCUMENTS

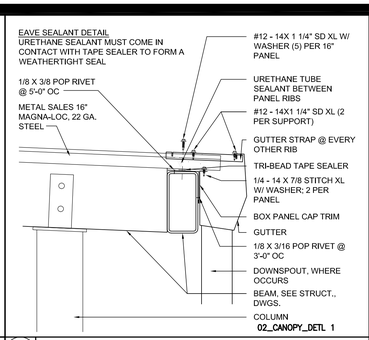
WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

SIGNAGE DETAILS

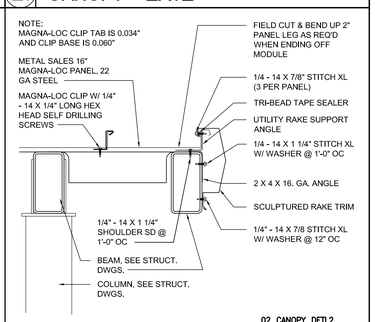
Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number A9.4



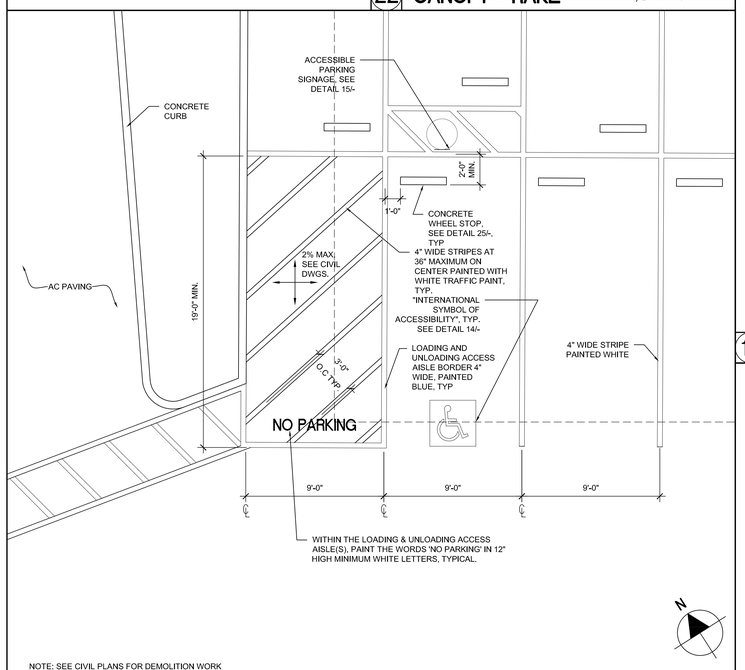
26 CANOPY • HIGH EAVE 1 1/2" = 1'-0"



21 CANOPY • EAVE 1 1/2" = 1'-0"

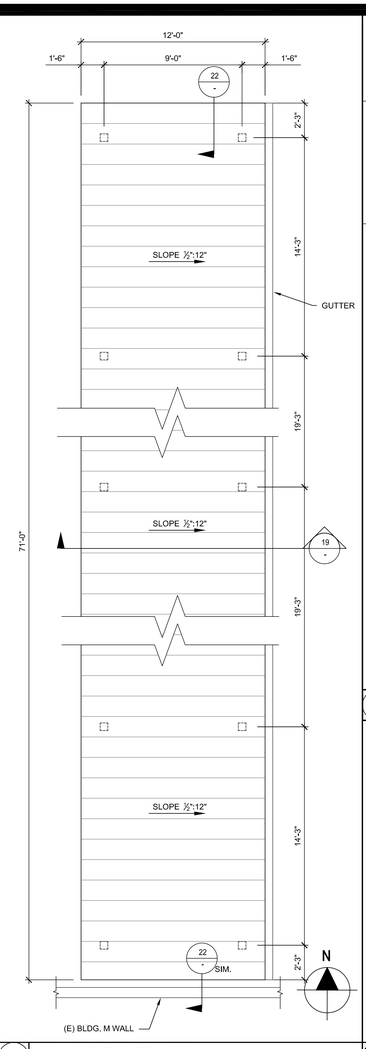


22 CANOPY • RAKE 1 1/2" = 1'-0"



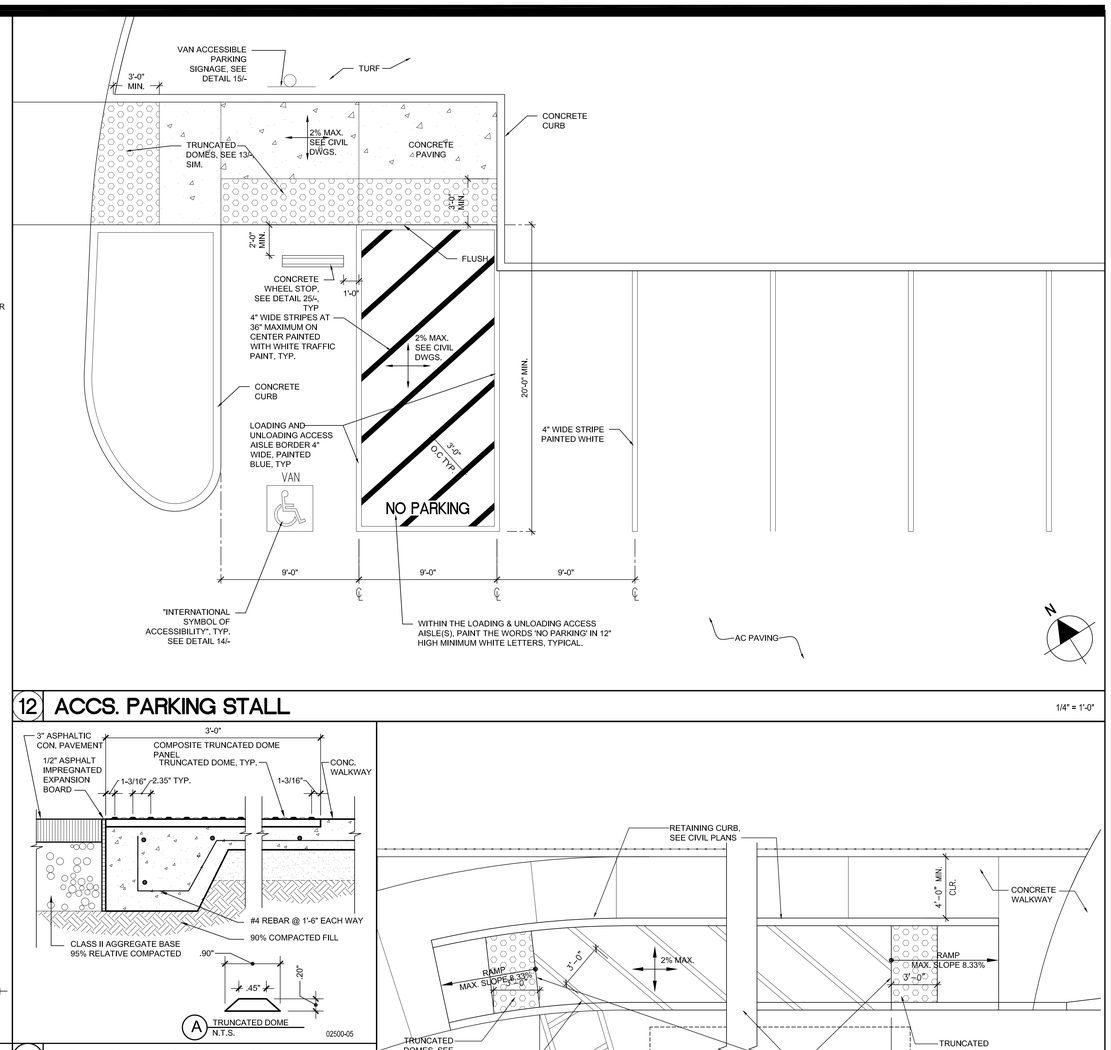
NOTE: SEE CIVIL PLANS FOR DEMOLITION WORK

29 ACCS. PARKING STALL - COVERED 1/4" = 1'-0"



18 CANOPY PLAN 1/4" = 1'-0"

19 CANOPY SECTION 1/4" = 1'-0"



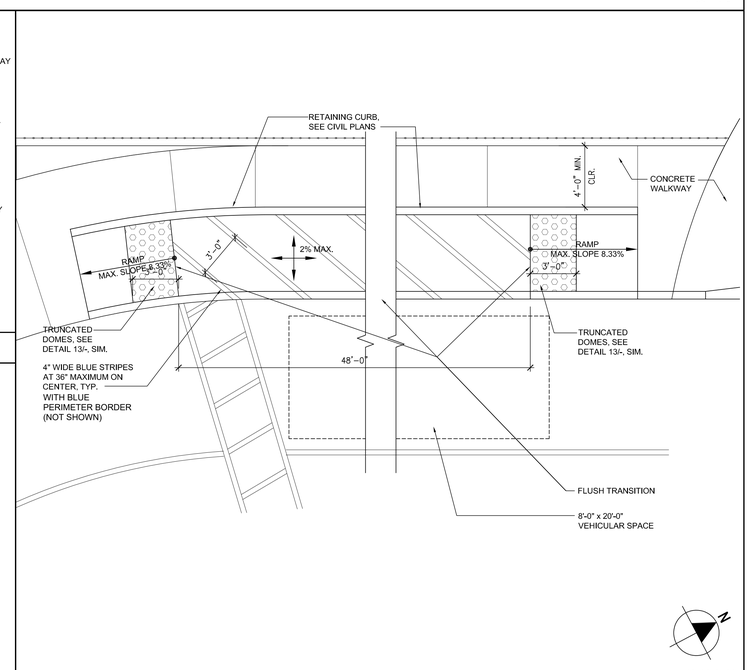
12 ACCS. PARKING STALL 1/4" = 1'-0"

13 TRUNCATED DOMES 1-1/2"=1'-0"

NOTE:
1. REFER TO DETAIL 5/- FOR ADDITIONAL INFORMATION.

02_ISASYM_02

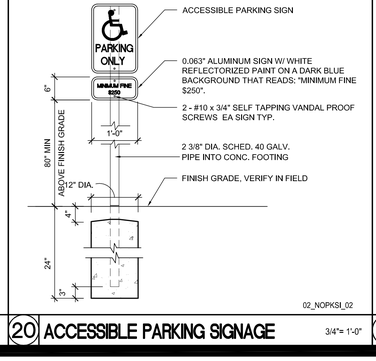
14 ISA PARKING SIGN 3/4" = 1'-0"



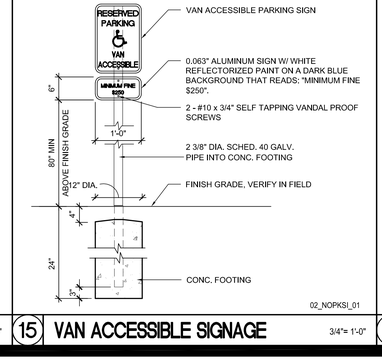
9 PASSENGER DROP-OFF AND LOADING ZONE 1/4" = 1'-0"

30 (E) TOW AWAY SIGN 3/4"= 1'-0"

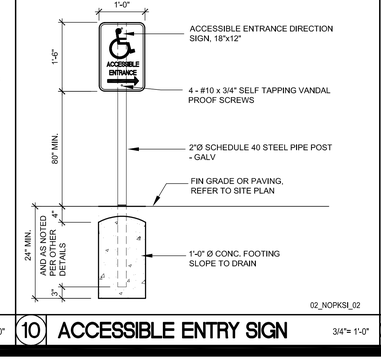
25 CONC. WHEEL STOP 1-1/2" = 1'-0"



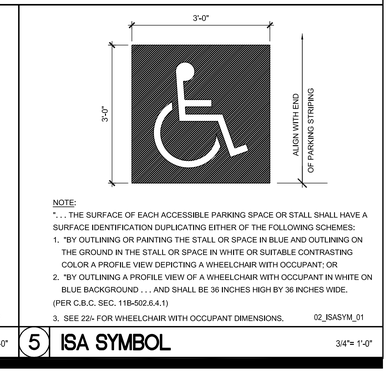
20 ACCESSIBLE PARKING SIGNAGE 3/4" = 1'-0"



15 VAN ACCESSIBLE SIGNAGE 3/4" = 1'-0"



10 ACCESSIBLE ENTRY SIGN 3/4"= 1'-0"



NOTE:
". . . THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:
1. "BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT; OR
2. "BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND . . . AND SHALL BE 36 INCHES HIGH BY 36 INCHES WIDE.
(PER C.B.C. SEC. 11B-502.6.4.1)
3. SEE 22/- FOR WHEELCHAIR WITH OCCUPANT DIMENSIONS.

02_ISASYM_01

5 ISA SYMBOL 3/4"= 1'-0"

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ARCHITECT	ENGINEER

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● DSA BACK CHECK	5/29/2019
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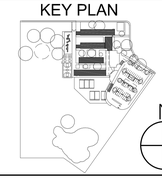
○ CONSTRUCTION	

KEY PLAN



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WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

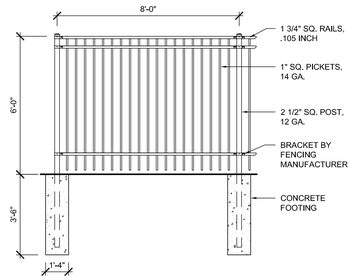
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

SITE DETAILS

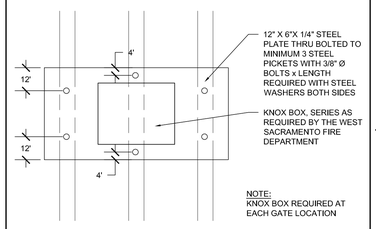
Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number A10.21



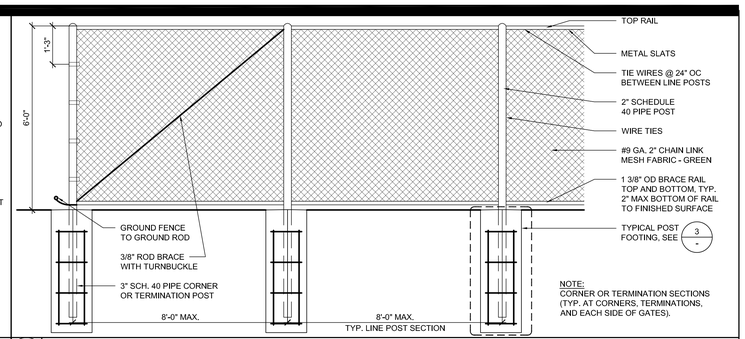
16 WROUGHT IRON FENCING

3/8" = 1'-0"



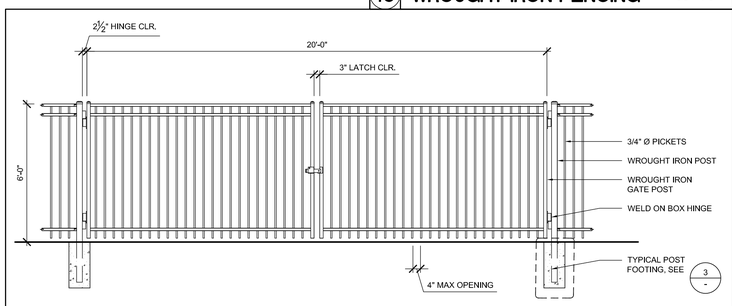
11 KNOX BOX

3" = 1'-0"



6 CHAIN LINK FENCE

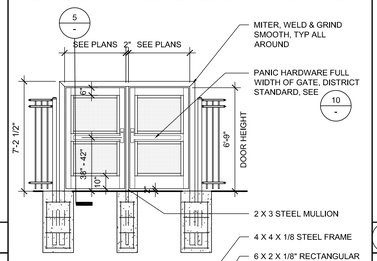
1/2" = 1'-0"



22 FIRE ACCESS GATE

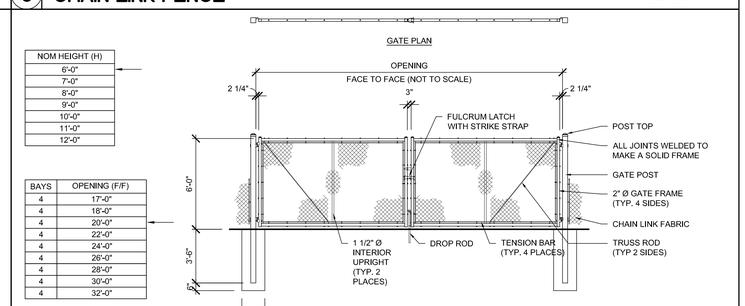
3/8" = 1'-0"

NOTE:
1. AT LOCATION OF GATE POSTS, EXPOSED TOP OF CONCRETE FOOTING MUST SLOPE NO MORE THAN 2% IN ORDER TO COMPLY WITH CODE REQUIRED GATE SWING MANEUVERABILITY CLEARANCE.
2. GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
3. WELDS TO BE FREE OF SHARP OR ABRASIVE SURFACES PER CBC 11B-404.2.10
4. ALL GATES, POSTS, AND FENCE PANELS WELD JOINTS TO HAVE NOMMA 2 FINISH.



13 DOUBLE MAN GATE

1/4" = 1'-0"

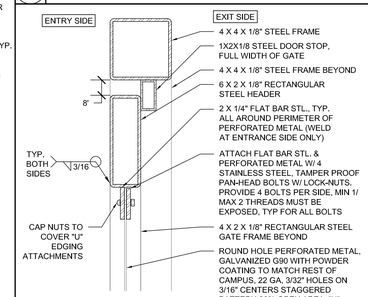


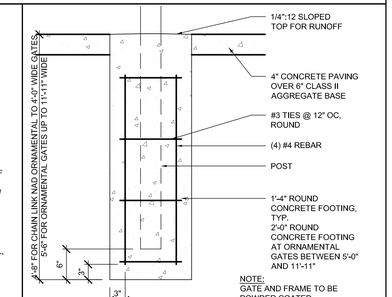
NOM HEIGHT (H)
6'-0"
7'-0"
8'-0"
9'-0"
10'-0"
11'-0"
12'-0"

BAYS	OPENING (F/F)
4	17'-0"
4	18'-0"
4	20'-0"
4	22'-0"
4	24'-0"
4	26'-0"
4	28'-0"
4	30'-0"
4	32'-0"

7 FIRE ACCESS SWING GATES

1/4" = 1'-0"



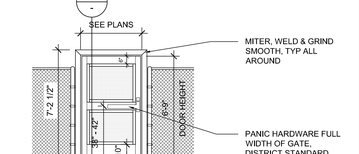


8 GATE HEAD

3" = 1'-0"

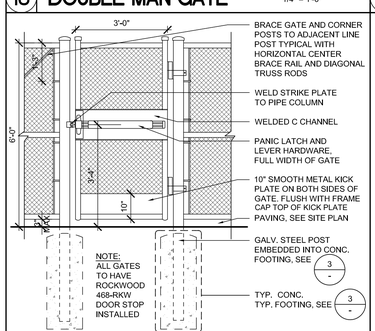
3 CONCRETE FOOTING

1" = 1'-0"



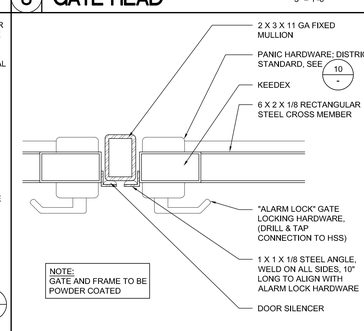
19 SINGLE MAN GATE

1/4" = 1'-0"



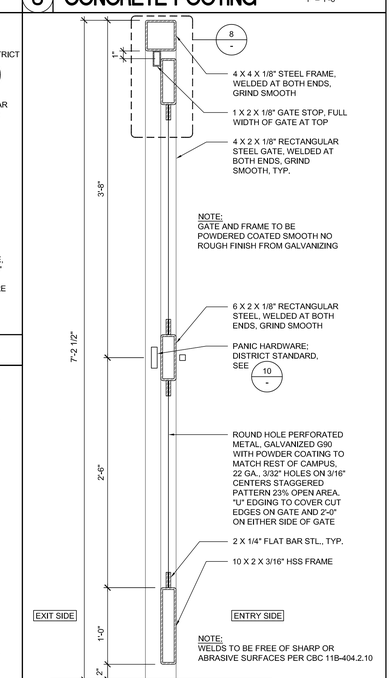
14 CHAIN LINK GATE

1/2" = 1'-0"



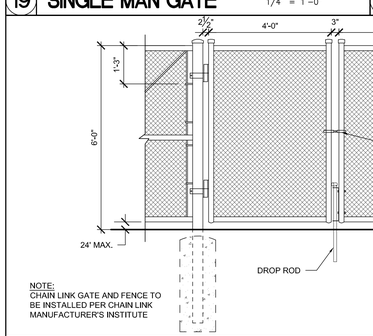
9 DOUBLE LATCH SECTION

3" = 1'-0"



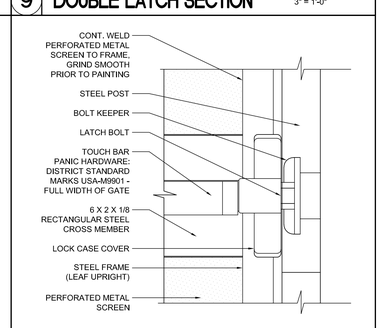
5 GATE SECTION

1 1/2"" = 1'-0"



20 DOUBLE CHAIN LINK GATE

1/2" = 1'-0"



10 PANIC HARDWARE

3/4"= 1'-0"

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	DATE
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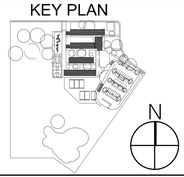
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

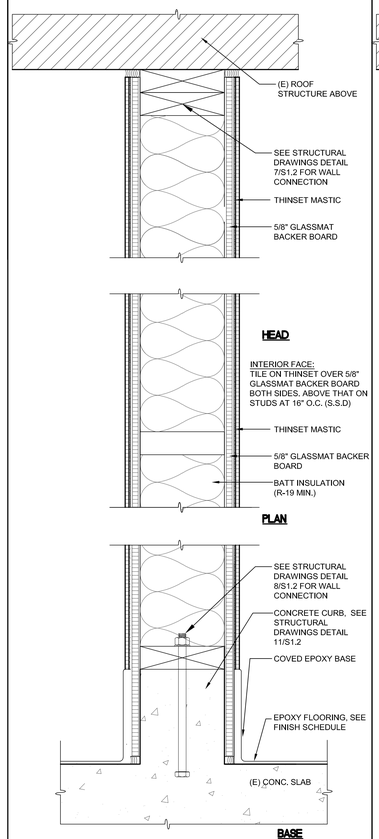
SITE FENCING DETAILS

Date
03/18/19

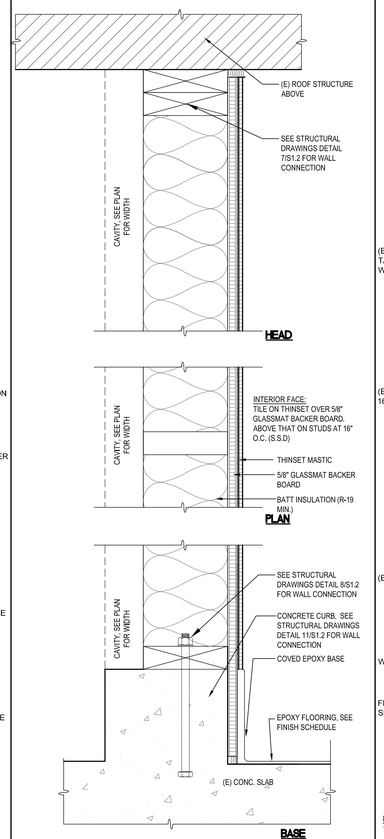
Drawing Number
A10.31

Scale
AS NOTED

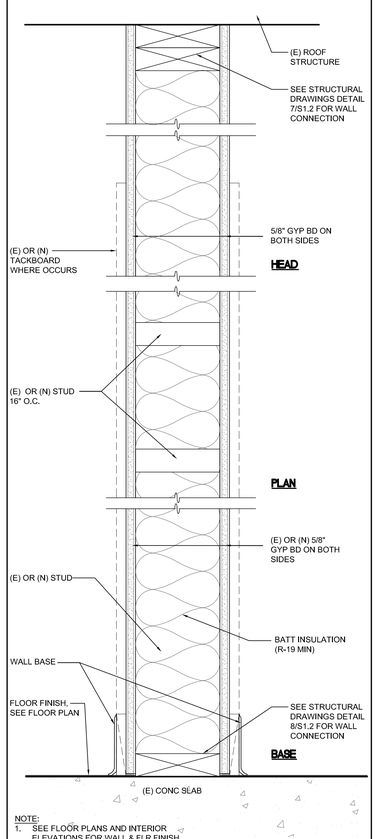
Project Number
19003.1



P3 INT. NON-RATED FULL HT. PLUMBING WALL 3" = 1'-0"

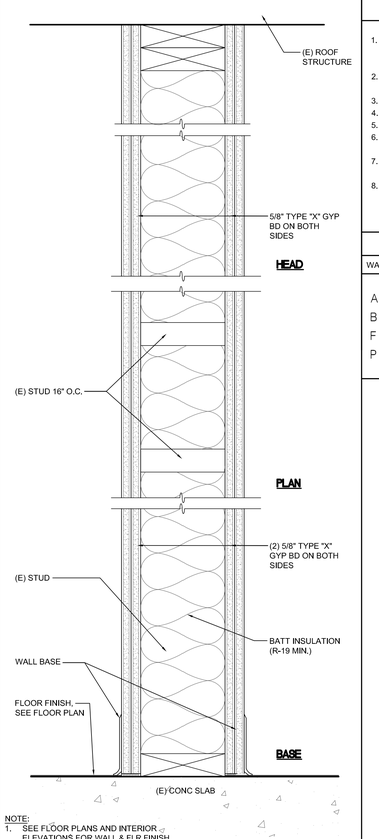


P1 INT. NON-RATED FULL HT. PLUMBING CHASE WALL 3" = 1'-0"



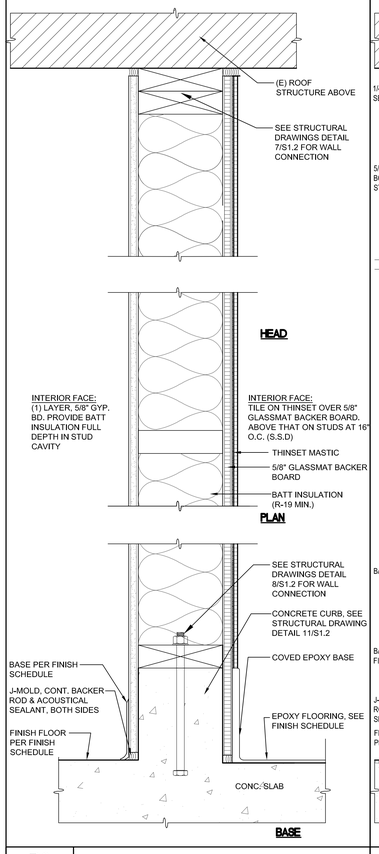
NOTE:
1. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR WALL & FLR FINISH

B1 INT. NON-RATED FULL HT. WALL 3" = 1'-0"

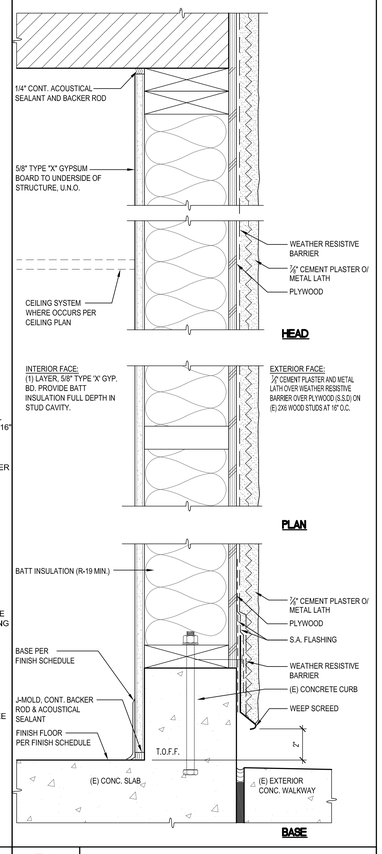


NOTE:
1. SEE FLOOR PLANS AND INTERIOR ELEVATIONS FOR WALL & FLR FINISH

A1 INT. 2 HR. RATED FULL HT. WALL 3" = 1'-0"



P2 INT. NON-RATED FULL HT. PLUMBING WALL 3" = 1'-0"



B2 EXT. NON-RATED FULL HT. WALL 3" = 1'-0"

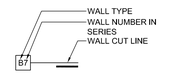
NOTES

1. ALL WALLS ARE FULL HEIGHT WALL, U.O.N., FROM TOP OF SLAB TO UNDERSIDE OF FLOOR OR ROOF ABOVE AND FILLED WITH BATT INSULATION FULL STUD DEPTH (SEE SPECIFICATIONS)
2. USE GLAS MAT BOARD @ WET AREAS AND AT WALLS WHERE ROOF DRAINS ARE LOCATED.
3. SEE STRUCTURAL SHEET S1.1 FOR NAILING SCHEDULE
4. SEE STRUCTURAL SHEET S1.2 FOR TYPICAL FRAMING DETAILS
5. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR EXTENT OF FINISHES
6. ALL NEW CEMENT PLASTER EXTERIOR WALLS TO HAVE WATER RESISTANT BARRIER.
7. OVERALL WALL TYPE DIMENSIONS ARE MINIMUM DISTANCES, ACTUAL WALL THICKNESS MAY VARY.
8. 4X BLOCKING REQUIRED AT CEILINGS AND AT 8'-0" OC MAX. SIMPSON A34'S TOP AND BOTTOM, AND EACH END

LEGEND

WALL TYPE	DESCRIPTION
A	RATED WALLS
B	NON RATED WALLS
F	FURRED WALLS AND RATED CHASES
P	PLUMBING WALLS

WALL TYPE SYMBOL



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ARCHITECT	ENGINEER

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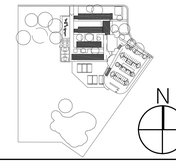
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

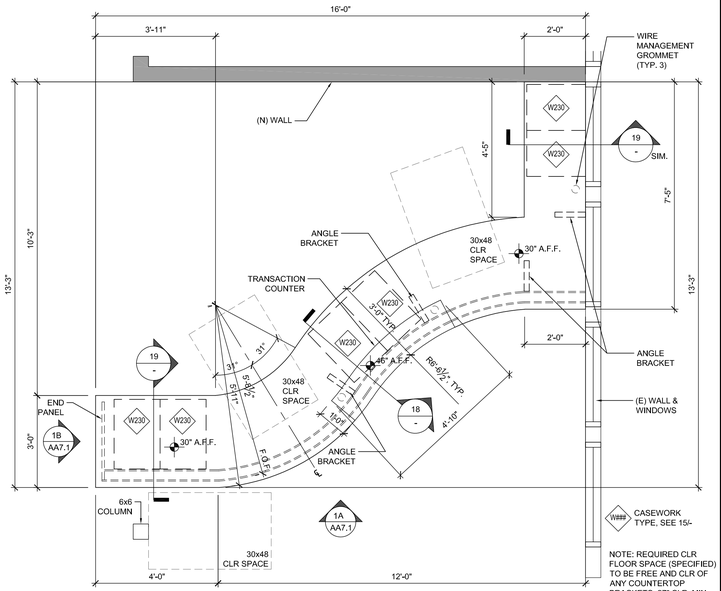
WALL TYPES

Date 03/18/19

Scale AS NOTED

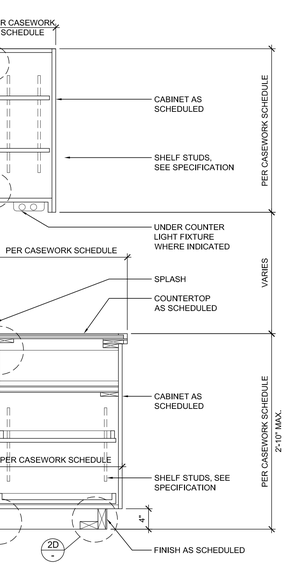
Project Number 19003.1

Drawing Number **A10.51**



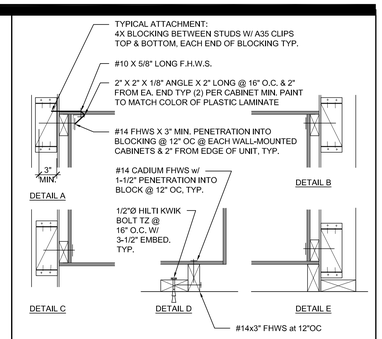
17 ENLARGED ADMIN. DESK

1/2" = 1'-0"



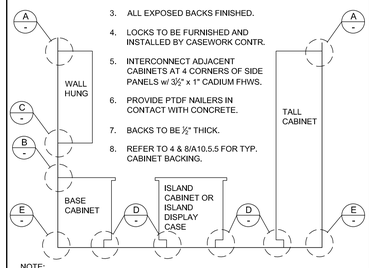
7 CABINET DETAIL

1" = 1'-0"



CABINET NOTES:

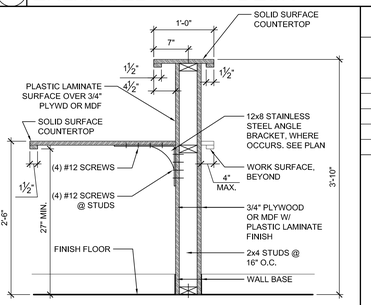
1. VERIFY ALL DIMENSIONS.
2. ALL CABINETS SECURELY ATTACHED TO THE STRUCTURE.
3. ALL EXPOSED BACKS FINISHED.
4. LOCKS TO BE FURNISHED AND INSTALLED BY CASEWORK CONTR.
5. INTERCONNECT ADJACENT CABINETS AT 4 CORNERS OF SIDE PANELS w/ 3½" x 1" CADIUM FHWS.
6. PROVIDE PTDF NAILERS IN CONTACT WITH CONCRETE.
7. BACKS TO BE ½" THICK.
8. REFER TO 4 & 8/A10.5.5 FOR TYP. CABINET BACKING.



NOTE:
CABINET ANCHORAGE TO COMPLY WITH TABLE 23B & 23P, TITLE 24.

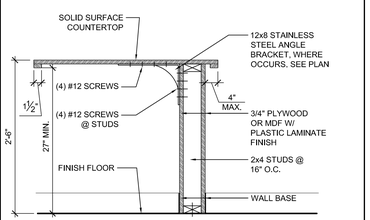
2 CASEWORK ANCHORAGE

1/2" = 1'-0"



18 ADMIN. DESK

1" = 1'-0"

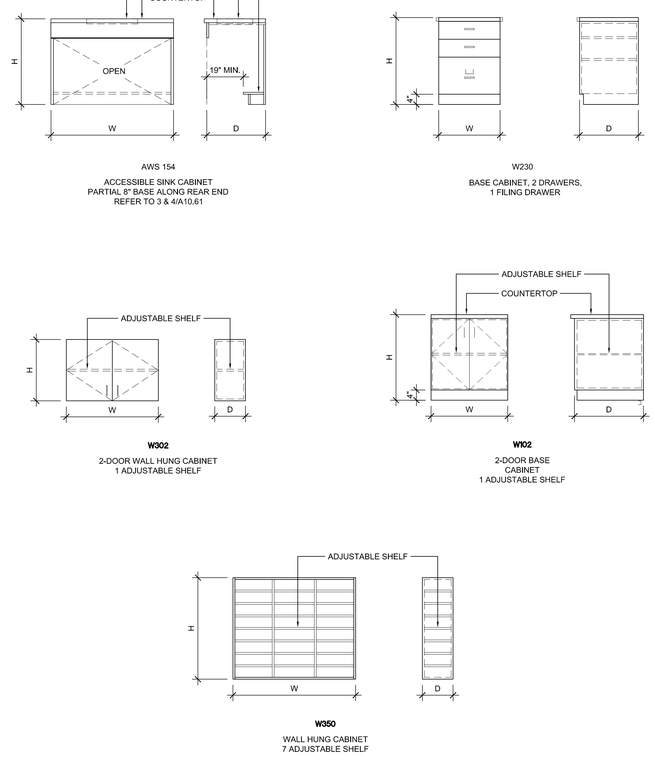


19 ADMIN. DESK

1" = 1'-0"

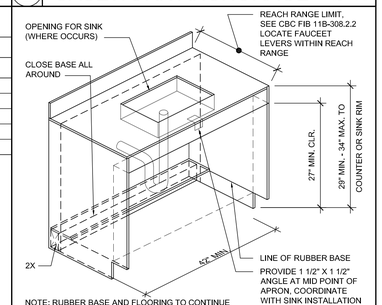
WOOD CASEWORK SCHEDULE

CASEWORK NO.	WOODWORK INSTITUTE MODEL NUMBER	SIZE (INCHES)		
		W	D	H
AWS154	154	36	22	34
W230	230	24	22	30
W302	302	41	14	32
W102	102	28	22	34
W350	350	144	22	48



15 CASEWORK ELEVATIONS

1/2" = 1'-0"

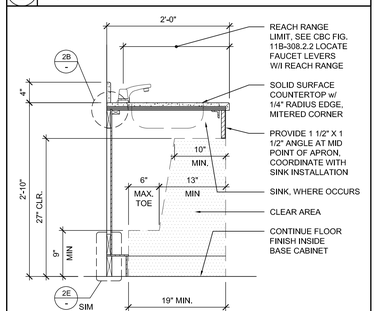


NOTE: RUBBER BASE AND FLOORING TO CONTINUE INSIDE BASE CABINET. PROTECT WATER SUPPLY & DRAINAGE AGAINST CONTACT @ ADA STATIONS, TYP.

3A10.61

3 DETAIL NAME

3/4" = 1'-0"



4 ACCESSIBLE BASE CABINET

1" = 1'-0"

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	DATE
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○ BIDDING	
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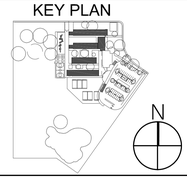
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

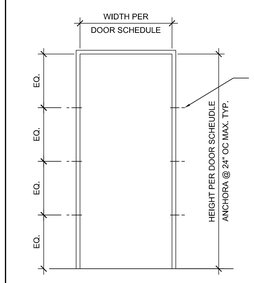
CASEWORK SCHEDULE & DETAILS

Date
03/18/19

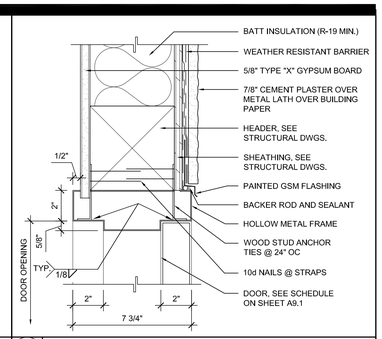
Scale
AS NOTED

Project Number
19003.1

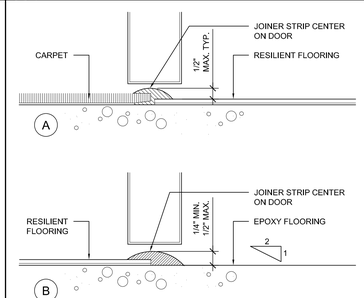
Drawing Number
A10.61



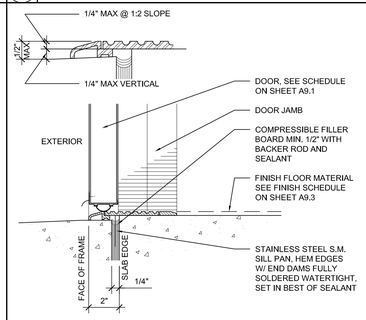
6 H.M. DOOR HEAD 3" = 1'-0"



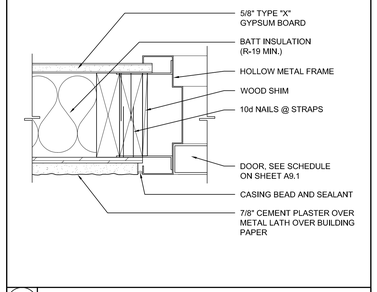
1 H.M. EXTERIOR DOOR HEAD 3" = 1'-0"



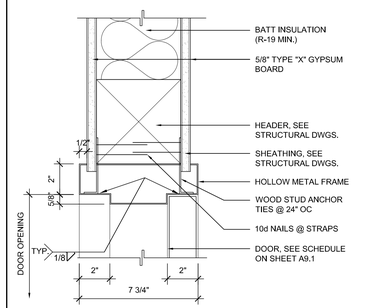
7 FLOOR TRANSITIONS 3" = 1'-0"



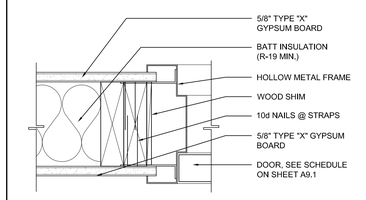
2 THRESHOLD 3" = 1'-0"



3 H.M. DOOR JAMB 3" = 1'-0"



4 H.M. INTERIOR DOOR HEAD 3" = 1'-0"



5 H.M. INTERIOR DOOR JAMB 3" = 1'-0"

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	DATE
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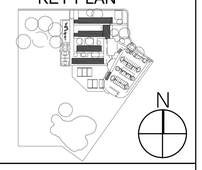
KEY PLAN



WASHINGTON UNIFIED
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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
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SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

DOOR DETAILS

Date
03/18/19

Drawing Number
A10.81

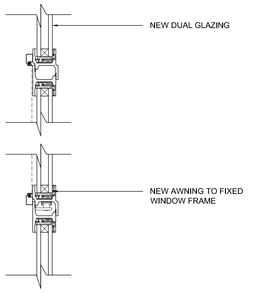
Scale
AS NOTED

Project Number
19003.1

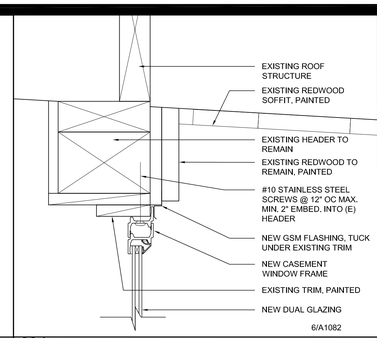
26

21

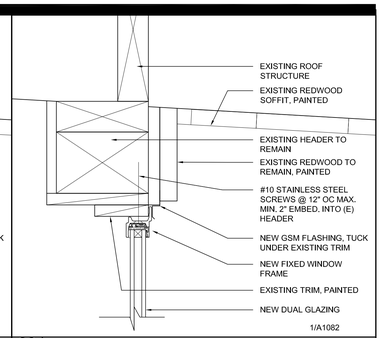
16



11 AWNING MULLION 3" = 1'-0"



6 CASEMENT WINDOW HEAD 3" = 1'-0"



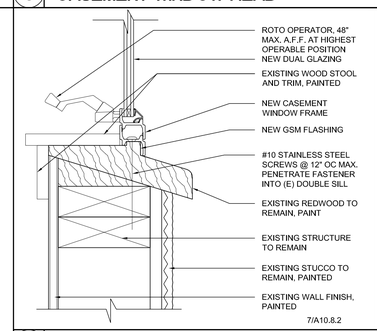
1 FIXED WINDOW HEAD 3" = 1'-0"

27

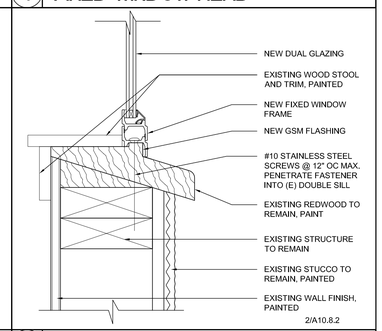
22

17

12



7 CASEMENT WINDOW SILL 3" = 1'-0"



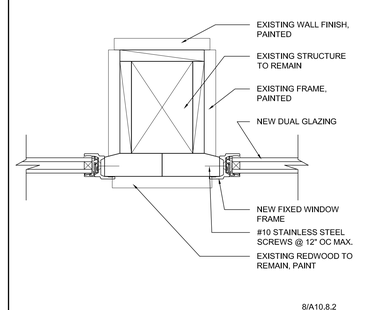
2 FIXED WINDOW SILL 3" = 1'-0"

28

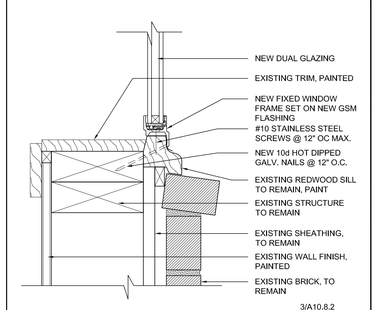
23

18

13



8 FIXED WINDOW JAMB 3" = 1'-0"



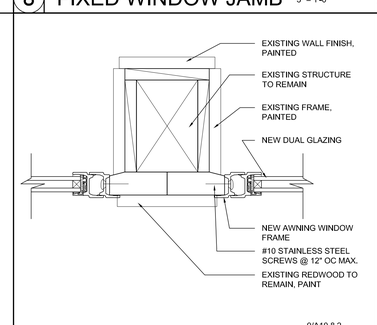
3 FIXED WINDOW SILL 3" = 1'-0"

29

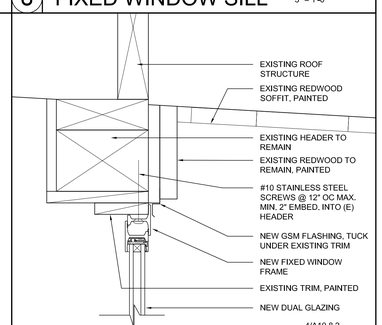
24

19

14



9 AWNING WINDOW JAMB 3" = 1'-0"



4 AWNING WINDOW HEAD 3" = 1'-0"

30

25

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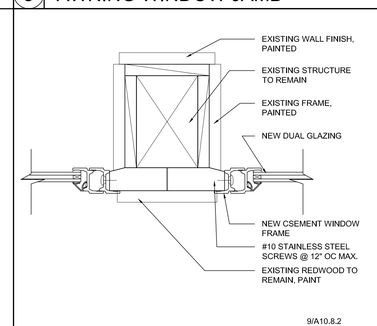
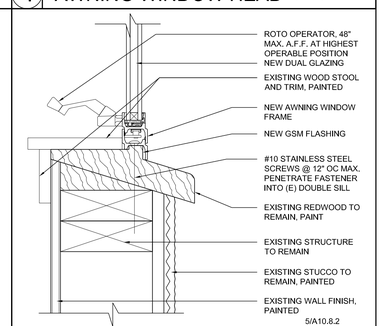
15



10 CSAEMENT WINDOW JAMB 3" = 1'-0"



5 AWNING WINDOW SILL 3" = 1'-0"

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P. WHITMORE Lic. C 30945 Rev. 08/31/20 STATE OF CALIFORNIA	

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NO.	REMARKS	DATE

	DATE
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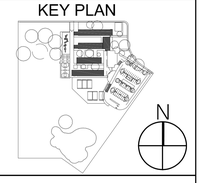
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

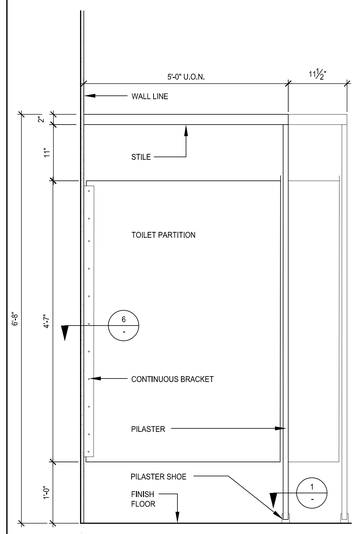
WINDOW DETAILS

Date
03/18/19

Drawing Number
A10.82

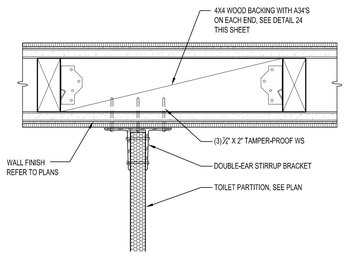
Scale
AS NOTED

Project Number
19003.1



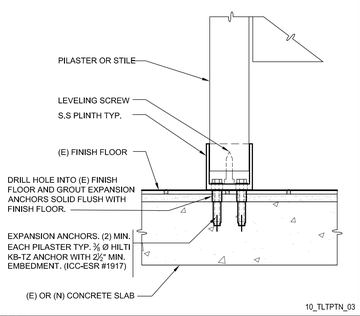
10_TLTPTN_01

27 TYP. TOILET PARTITION 1" = 1'-0"



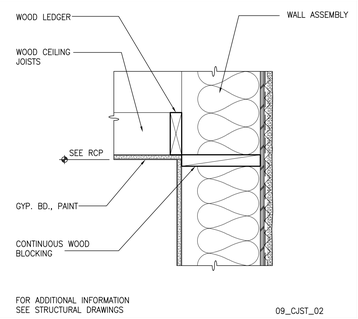
10_TLTPTN_WD

28 TOILET PARTITION AT WALL NTS



10_TLTPTN_03

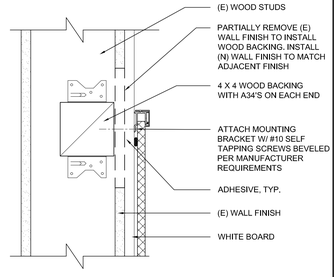
29 TOILET PARTITION AT FLOOR NTS



FOR ADDITIONAL INFORMATION SEE STRUCTURAL DRAWINGS

09_CJST_02

21 TYP. GYP BD CLNG 1 1/2" = 1'-0"



ANCHORAGE AT HEAD, ANCHORAGE AT BASE, SIMILAR

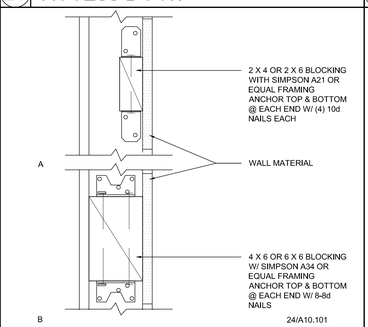
16/A10.101

22 WHITE BOARD 3" = 1'-0"



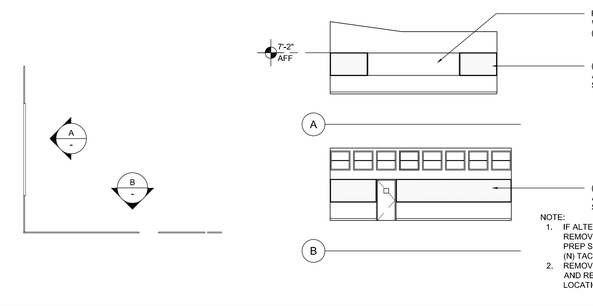
23A10.101

23 ACCESS DOOR 3" = 1'-0"



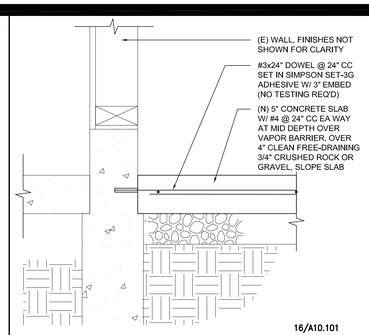
24/A10.101

24 WALL BLOCKING TYP. 3" = 1'-0"



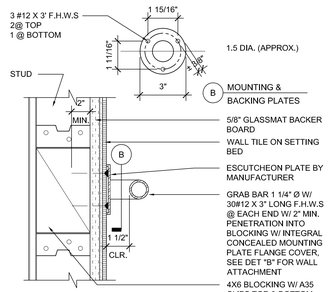
30A10.10.1

30 TACKBOARD ALTERNATE 3/32" = 1'-0"



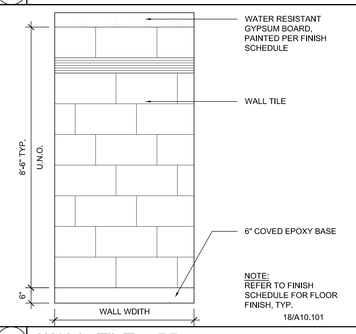
16/A10.101

16 (N) CONCRETE SLAB 1 1/2" = 1'-0"



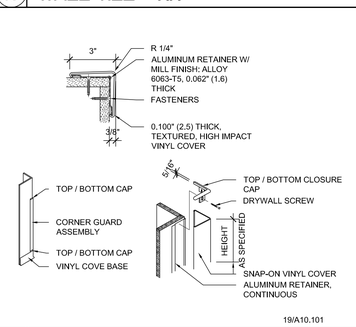
17/A10.101

17 GRAB BAR ANCHORAGE 3" = 1'-0"



18/A10.101

18 WALL TILE • RR 1/2" = 1'-0"

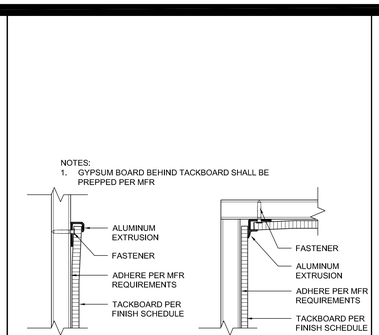


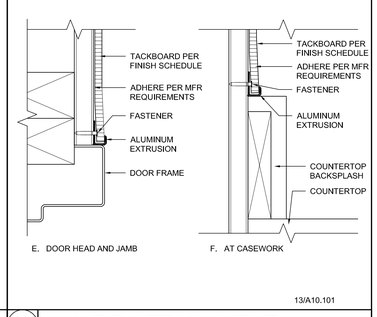
19/A10.101

19 TYP. CORNER GUARD 3" = 1'-0"

20/A10.101

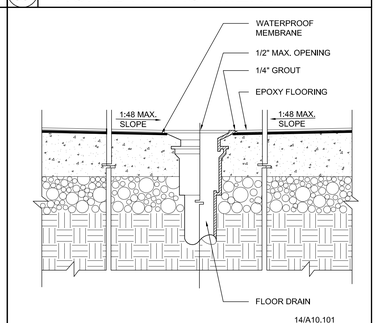
20 F.E. MOUNTING HEIGHT 1/2" = 1'-0"





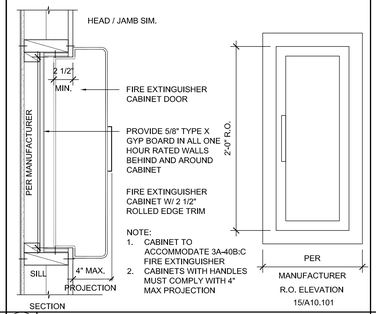
13/A10.101

13 V.C.T.B ATTACHMENT 3" = 1'-0"



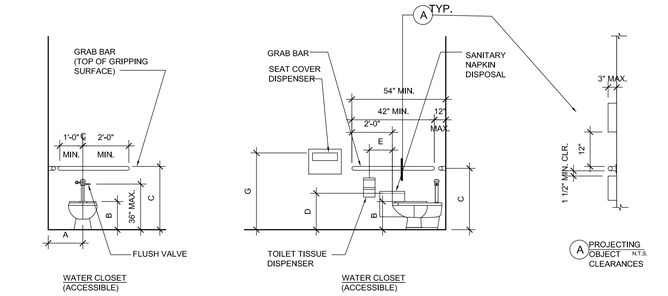
14/A10.101

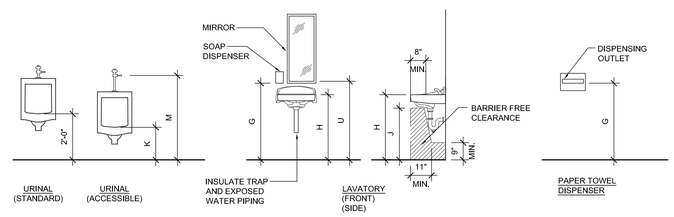
14 FLOOR DRAIN 1" = 1'-0"

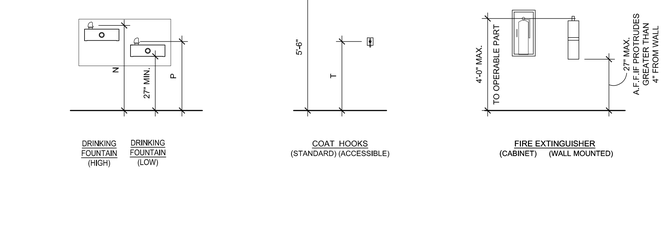


15/A10.101

15 F.E. CABINET 1 1/2" = 1'-0"







10 MOUNTING HEIGHT SCHEDULE 3/8" = 1'-0"

MOUNTING DIMENSIONS AND TOLERANCES FOR ACCESSIBLE FIXTURES

REF #	FIXTURE	ADULT	PER TABLE 11B-609.4 (2016 CBC) SUGGESTED DIMENSION for CHILDREN'S AGES 3-12			2016 CBC REFERENCES: T: TABLE, S: SECTION, F: FIGURE	RECOMMENDED TOILET ACCESSORIES MANUFACTURER (BASIS OF DESIGN)
			AGES 3-4	AGES 5-8	AGES 9-12		
A	TOILET CENTER LINE FROM WALL (TOILET OFFSET)	17"-18" WHEEL CHAIR 17"-19" AMBULATORY	12"	12"-15"	15"-18"	T 11B-604.9	
B	TOILET SEAT HEIGHT (TOP OF SEAT)	17"-19"	11"-12"	12"-15"	15"-17"	T11B-604.9	
C	TOP OF GRAB BAR GRIPPING SURFACE	33"-36"	18"-20"	20"-25"	23"-27"	T11B-604.9	BOBRICK 5806 (STRAIGHT GRAB BARS)
D	T. P. DISPENSER OUTLET HEIGHT, WHERE APPLICABLE, SANITARY NAPKIN DISPOSAL	19" MIN. TO OPERABLE PART	14" TO OPERABLE PART	14"-17" TO OPERABLE PART	17"-19" TO OPERABLE PART	T 11B-604.9 S 11B-604.7	Bobrick B-2888 TOILET TISSUE DISPENSER SURFACE
E	T. P. DISPENSER FURTHEST IN FRONT OF W.C.	7" MIN -9" MAX TO CENTERLINE OF DISPENSER					
F	SANITARY NAPKIN DISPOSAL LOCATED ADJACENT TO TOILET PAPER DISPENSER (11B-604.7.2)	N/A	N/A				B-254 SAN NAP DISPOSAL SURFACE
G	DISPENSERS (SOAP, PAPER TOWEL/WASTE RECEPTACLE, HAND DRYER, SANITARY NAPKIN) A.F.F.	40" MAX. TO OPERABLE PART				S 11B-603.5	B-2111 SOAP DISPENSER SURFACE B-221 SEAT COVER DISPENSER SURFACE
H	LAVATORY/SINK RIM HEIGHT	34" MAX.	31" MAX.			S 11B-606.2 S 11B-606.3	
J	LAVATORY/SINK KNEE CLEARANCE	27" MIN. (29" MIN. AT APRON FOR LAVATORY)	PARALLEL APPROACH PERMITTED	24" MIN.	24" MIN.	S 11B-606.2 F11B-306.3	
K	URINAL HEIGHT	17" MAX.				S 11B-605.2	
L	URINAL PROJECTION	13-1/2" MIN.				S 11B-605.2	
M	URINAL FLUSH CONTROL HEIGHT	44" MAX.				S 11B-605.4	
N	HIGH D. F. SPOUT HEIGHT(S)	38" MIN-43" MAX				S 11B-602.7	
P	LOW D. F. APPROACH, SPOUT HEIGHT, AND SPOUT LOCATION FROM FRONT EDGE OF THE UNIT INCLUDING BUMPERS	FRONT APPROACH PER 11B-306, 36" MAX. A.F.F., & 5" MAX. FROM FRONT EDGE OF THE UNIT.	PARALLEL APPROACH IS PERMITTED IF SPOUT IS 30" MAX. A.F.F. & 3 1/2" MAX. FROM FRONT EDGE OF THE UNIT.			S 11B-602.2 - EXCEPTION S 11B-602.4 S 11B-602.5	
Q	D. F. OPERABLE PARTS	6" MAX. FROM FRONT EDGE OF THE UNIT.				S 11B-602.3	
R	CANTILEVER D. F. PROJECTION	18"-19"	-			S 11B-602.9	
S	TOE CLEARANCE AT TOILET PARTITION	9" MIN.	12" MIN.			S11B-604.8.1.4	
T	COAT HOOKS AND SHELF HEIGHT	40" -48"				S 11B-604.8.3	B-7671 ROBE HOOK
U	MIRROR HEIGHT (BOTTOM EDGE OF REFLECTING SURFACE)	40" MAX. (ABOVE LAV OR COUNTERTOP) 35" MAX (NOT ABOVE LAV NOR COUNTERTOP)				S 11B-603.3	B-290 MIRROR 24"X30"
V	MIRROR HEIGHT (BOTTOM EDGE OF REFLECTING SURFACE) IN DRESSING, FITTING, & LOCKER ROOMS	20" MAX				S 11B-803.6	
W	RAMP/STAIR HANDRAIL HEIGHT	34"-38"					

NOTES
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. SEE ENLARGED TOILET PLAN DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
3. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO CENTER OF FUNCTIONAL POINT.
4. ALL HEIGHT DIMENSIONS ARE A.F.F. (OR A.F.G. FOR EXTERIOR). ALL HORIZONTAL DIMENSIONS ARE TO FACE OF FINISH.
5. REFER TO 24/A10.10.1 FOR ALL BACKING INFORMATION.

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LICENSED ARCHITECT BRIAN P. WITTMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	

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NO.	REMARKS	DATE

	DATE
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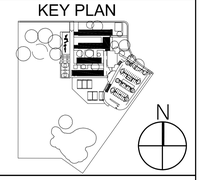
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

SPECIALTY DETAILS

Date 03/18/19

Drawing Number A10.101

Scale AS NOTED

Project Number 19003.1

General Notes

1. Construction shall conform to all applicable codes and regulations.
2. Shop Drawing Note:
   A) Shop drawings shall be submitted in the form of three prints of each sheet, unless submittal to the Building Official requires additional sets.
   B) The purpose of shop drawings submittals by the Contractor is to demonstrate to the Structural Engineer that he understands the design concept by indicating which materials he intends to furnish and install, and by detailing the fabrication and installation methods he intends to use.
   C) Prior to fabrication, shop drawings shall be submitted for review to the Structural Engineer. Shop drawings submittals shall include, but are not necessarily limited to pitched wood roof trusses, structural steel, and glued laminated beams.
3. Safety Note:
   A) It is the Contractor's responsibility to comply with the pertinent sections, as they apply to this project, of the "Construction Safety Orders" issued by the State of California latest edition, and all OSHA requirements.
   B) The owner and the Structural Engineer do not accept any responsibility for the Contractor's failure to comply with these requirements.
   C) The Contractor shall be responsible for adequate design and construction of all forms and shoring required.
4. The Contractor shall notify the Architect and Structural Engineer where a conflict or a discrepancy occurs between the structural drawings and any other portion of the contract documents or existing field conditions. Such notification shall be given in due time so as not to affect the construction schedule. In case of a conflict between structural drawings and specifications, the more restrictive condition shall take precedence unless written approval has been given for the least restrictive. Contractor shall verify all dimensions with architectural and structural drawings prior to commencing any work.
5. Where no specific detail is shown, the construction shall be identical or similar to that indicated for like cases of construction on this project. Should there be any question, contact the Architect and Structural Engineer prior to proceeding.
6. These drawings are not complete until reviewed and accepted by local building official and signed by the Structural Engineer.
7. All drawings and written material appearing herein constitutes the original and unpublished work of the Structural Engineer and the same may not be duplicated, used or disclosed without written consent of the Structural Engineer and compensation.
8. The structure shown on these drawings is structurally sound only in its completed form. The stability of this structure depends on the diaphragm and the bracing members shown. The Contractor is to provide for the design and construction of shoring for all earth, forms, concrete, steel, wood, and masonry to resist gravity, earth, wind, seismic, and construction loads. Shoring shall remain in place until all diaphragm and lateral resisting elements are in place in their entirety.

Design Criteria

1. Codes and Standards:
   a) 2016 California Building Code (CBC)
   b) Building Code Requirements for Structural Concrete - ACI 318-14
   c.) Building Code Requirements for Masonry Structures - TMS 402-13/ACI 530-13/ASCE 5-13
   d) Specification for Masonry Structures - TMS 602-13/ACI 530.1-13/ASCE 6-13
   e) Specification for Structural Steel Buildings - AISC 360-10
2. Vertical Loads:
   Roof Live Load = 20 psf (reducible)
3. Soils Values:
   Allowable soil bearing pressures:
   a) DL+LL = 3000 psf
   b) DL+LL+wind/seismic = 4000 psf
4. Wind Load Design Criteria:
   a) Ult. Design Wind Speed, V_{ult} = 110 mph
   b) Nom. Design Wind Speed, V_{asd} = 85 mph
   c) Risk Category - II
   d.) Wind Exposure - C
   e) Internal Pressure Coefficient, GC_{pi} = -0.18, +0.18
5. Seismic Load Design Criteria:
   a) Risk Category - II
   b) Seismic Importance Factor, I_e = 1.0
   c) Site Class = D
   d) S_s = 0.715g S_1 = 0.303g
   e) S_{ds} = 0.585g S_{D1} = 0.363g
   f.) Seismic Design Category, SDC = D
   g.) Seismic Force-Resisting System: Canopy - Cantilevered Columns
   h) Response Modification Coef., R = 1.25
   i) Analysis Procedure = Static

Foundations

1. All foundation work shall be done in accordance with the requirements of the Soils Report No. 1227.101 by Wallace Kuhl Associates dated March 2019
2. All foundations shall bear on undisturbed native soil or engineered fill.
3. Building pad construction shall conform to the requirements of the Soils Report. The extent and depth of overexcavation and placement of engineered fill shall be as required by the Soils Report. Final depth and extent of excavation and fill shall be determined at time of construction by a representative of the Soils Engineer.
4. Foundation depths indicated on plans are for estimating purposes only. Actual depths are to be determined by Soils Engineer on the jobsite.
5. Bottoms of all foundations shall be level. Changes in bottom of foundation elevation shall be constructed only as detailed on the drawings.
4. Foundations may be cast in neat excavations provided the footing excavations are stable and able to maintain a cut edge without sloughing. Provide formwork and planking at edges of excavations to protect against sloughing, as required.
5. Notify the Structural Engineer 48 hours before casting foundations.

Powder Actuated Fasteners (PAF)

1. These notes govern all conditions called out on the plans as "PAF" unless specifically noted otherwise.
2. All PAF shall be as manufactured by Hilti Incorporated. Reference shall be made to the Hilti 'Product Technical Guide' for additional information.
3. PAF driven into steel base material shall be X-CR type with P8 washers unless noted otherwise in the drawings. Length of fastener shaft shall be as required to penetrate through the steel base material. Minimum edge distance to any connected part shall be 1½" and minimum fastener spacing shall be 2".
4. PAF driven into concrete base material shall be X-G type with P8 washers unless noted otherwise in the drawings. Length of fastener shaft shall be as required to penetrate 1½" into the concrete base material. Minimum edge distance to any concrete material shall be 3" and minimum fastener spacing shall be 4".
5. PAF driven into concrete base material through metal deck shall be X-G type with P8 washers. Length of fastener shaft shall be as required to penetrate 1" into the concrete through the low flute. Fastener shall be centered in the low flute and minimum fastener spacing shall be 4".
6. Installation of fasteners shall be in accordance with manufacturer's recommendations and the ICC-ES Report ESR-1663, latest edition.

Structural Steel

General: All design, fabrication and erection of structural steel for buildings and structures shall be in accordance with the California Building Code (CBC), and, the Specification for Structural Steel Buildings (AISC 360).

1. Structural steel W and WT shapes shall conform with ASTM A992 steel. Structural steel angles, channels, miscellaneous channels, and plates shall conform with ASTM A36 steel unless noted otherwise.
2. Steel pipe shall conform to ASTM A-53, Types E or S, grade B.
3. Structural steel tubing shall conform to ASTM A-500, grade B.
4. Welding shall be done by the electric arc process in accordance with American Welding Society standards, using only certified welders. All groove welds shall have complete penetration unless noted otherwise. All exposed welds shall be ground. All welding to be done using E70xx electrodes, in addition welding of ASTM A572 grade 50 steel and ASTM A992 steel shall be done with low hydrogen E70xx electrodes.
5. All structural steel shall be erected plumb and true to line. Temporary bracing shall be installed and shall be left in place until other means are provided to adequately brace the structure.
6. Place non-shrink grout under all base plates before adding vertical load.
7. Bolted connections shall consist of unfinished bolts conforming to ASTM A-307 unless noted otherwise. Where high strength bolts are indicated, bolts conforming to ASTM A325-N shall be provided (provide A325-SC bolts where indicated.)
8. Holes for unfinished bolts shall be of the same nominal diameter of the bolt plus 1/16". Use standard AISC gage and pitch for bolts except as noted otherwise.
9. Holes for anchor bolts embedded in concrete shall be of the same nominal bolt diameter plus 3/16" unless noted otherwise.
10. Provide ½" diameter stitch bolts and ring fills, spaced at not more than 24"c.c. for all double angle members.
11. At wood to steel parallel contact, bolt with ½" diameter bolts at maximum 24"c.c.
12. All structural steel shall receive minimum of one shop coat of red primer paint. Do not paint areas to be field welded, to receive friction type high strength bolts, or to be embedded in concrete. Provide additional painting as noted in the specifications.
13. All structural steel below grade shall have 3" minimum of concrete cover.
14. All structural steel member sizes shown on these design drawings shall be considered the minimum sizes required to satisfy Code requirements for stresses and deflection. If those minimum sizes must be increased for issues concerning erection, transportation, fabrication (including but not limited to curving, distortions, fractures, etc.), or welding processes (including but not limited to distortions, etc.), the increased sizes shall be clearly shown on the shop drawings for review prior to fabrication, and, shall be supplied at no added cost to the owner.

Wood

1. Sawn lumber shall conform to the following minimum specifications unless noted otherwise:

Member	Species	Grade
2x joists, rafters, and sub-purlins	Douglas Fir-Larch	No. 2
2x and 3x studs, plates, and blocking	Douglas Fir-Larch	No. 2
4x and 6x posts	Douglas Fir-Larch	No. 1
4x and 6x beams, purlins, and headers	Douglas Fir-Larch	No. 1

2. Glued Laminated Beams shall be manufactured and identified as required in ANSI/AITC A 190.1 and ASTM D 3737. Glued laminated beams shall be combination 24F-V4 for simple span members and 24F-V8 for cantilevered members. All glued laminated beams shall be manufactured with a 2000 ft. radius camber (except cantilevers shall have no camber) unless noted otherwise. Each glued-laminated beam shall be fabricated with exterior glue and shall be assumed to be for exterior use. Each glued-laminated beam shall be sealed and wrapped per AITC III.
3. Preservative-treated wood shall conform to the requirements of the applicable ANFPA Standard UI and M4 for the species, product, preservative, and end use. Preservatives shall be listed in Section 4 of ANFPA UI. Preservative treated wood shall bear a quality mark stamp or label per CBC 2303.1.9.1. Field cuts and bolt holes in preservative-treated wood shall be protected in accordance with ANFPA Standard M4.
4. Wood Structural Panel Sheathing shall conform to DOC PS 1 or PS 2.
5. All wood in direct contact with concrete or masonry shall be preservative-treated.
6. Bearing and shear walls shall have double top plates, lapped at wall and partition intersection with 3-16d nails. Splice double top plates as noted or detailed on the drawings.
7. Provide solid blocking between joists and rafters at all supports.
8. Provide blocking at all ceiling levels.
9. Joists under and parallel to partitions shall be doubled and nailed together.
10. Holes for bolts in wood shall be bored with a bit equal in size to the diameter of the bolt plus 1/16 inch.
11. Holes for lag screws shall be bored as follows:
    a.) The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank.
    b.) The lead hole for the threaded portion shall have a diameter equal to 60% to 75% of the shank diameter and a length equal to at least the length of the threaded portion.
    c.) Lag screws and wood screws shall be screwed and not driven into place. Soap may be used to lubricate the screws.
12. All bolts and lag screws shall be provided with metal washers under heads and nuts which bear on wood. Applies also to inserted expanding fasteners, Red Head, etc.
13. All bolts and lag screws shall be tightened on installation and retightened before closing in or at completion of job.
14. Lay all structural sheathing panels on roofs and floors with face grain perpendicular to supports unless noted otherwise.
15. Use plyclips at midspan of all unsupported roof sheathing edges.
16. Connector hardware model number are those for Simpson Strong-Tie Company. Equivalent connectors with ICC Evaluation Report may be substituted. All joist hangers shall be Simpson U series unless noted otherwise.
17. Nails shall have the following minimum dimensions (measured before application of any protective coatings):

Nail	Diameter	Length
16d common	0.162"	3½"
10d common	0.148"	3"
8d common	0.131"	2½"
16d sinker	0.148"	3¼"
10d box	0.128"	3"
8d box	0.113"	2½"

18. Anchor bolts for foundation sill plates shall be ⅝" diameter with a 12" minimum length, 7" minimum embedment into concrete. Anchor bolts shall conform to ASTM A307 with a standard hex head at the embedded end or, shall conform to ASTM A36 with a fully engaged hex nut on the embedded end. Anchor bolts shall be spaced at 48"c.c unless noted otherwise. Provide at least two anchor bolts per each piece of foundation sill plate and, provide an anchor bolt not more than 12" nor less than 4" from the ends of each piece of foundation sill plate. All anchor bolts at non- shearwalls shall have standard cut washers, and, shearwalls shall have plate washers at all anchor bolts per the shearwall schedule.
19. Per CBC 2304.10.5, fasteners for (installed in) preservative-treated and fire-retardant-treated wood shall be of hot-dipped galvanized steel or stainless steel in accordance with CBC Sections 2304.10.5.1 through 2304.10.5.6.
20. No upset threaded bolts allowed; use only cut-thread bolts with full diameter bodies. See table below for dimensional requirements for cut-thread bolts with full diameter bodies:

Nominal Bolt Size (Inches)	Body or Shank Diameter (Inches)	
	Max.	Min.
½" (0.500)	0.515	0.482
⅝" (0.625)	0.642	0.605
¾" (0.750)	0.768	0.729
⅞" (0.875)	0.845	0.852
1" (1.000)	1.022	0.976

Note: The body, or shank, of the bolt is the smooth part between the head and the threads.

Concrete

General: All concrete construction shall conform to the California Building Code (CBC), and Building Code Requirements for Structural Concrete (ACI 318).

1. Structural concrete shall attain 28 day compressive strength as required in note #17.
2. Selection of concrete proportions shall be per ACI 318 Sections 5.2 through 5.4. Mix designs shall be submitted to the laboratory responsible for the Special Inspections for review and approval prior to concrete placement.
3. Testing, evaluation and acceptance of concrete shall be per ACI 318, Section 5.6.
4. Concrete shall be mixed, placed, and cured in accordance with ACI 318, latest edition, and project specifications.
5. Cement shall conform to ASTM C-150 type I or II.
6. Concrete aggregates shall conform to ASTM C-33. Aggregates for lightweight concrete shall conform to ASTM C-330.
7. Construction joints shall be made rough and all loose materials removed from the surface. The entire surface of the joint shall be roughened by chipping, sand blasting or raking the surface to produce ¼" deep deformations.
8. Remove all debris and loose materials from forms and excavations before casting any concrete.
9. Reinforcing, dowels, bolts, anchors, sleeves, etc., to be embedded in concrete shall be tied securely in position before placing concrete.
10. Concrete shall not be dropped through reinforcing steel (as in walls) so as to cause segregation of aggregates. In such cases, hoppers and vertical chutes or trunks shall be used such that the free unconfined fall of concrete does not exceed six feet.
11. Consolidate concrete placed in forms by mechanical vibrating equipment supplemented by hand spading, rodding or tamping. Use equipment and procedures for consolidation of concrete in accordance with the recommended practices of ACI 309 to suit the type of concrete and project conditions.
12. No wall spreaders allowed. No wood stakes allowed in areas to be concreted.
13. All saw cutting of construction joints shall be done after initial set has occurred to avoid tearing or damage by the saw blade, but before initial shrinkage has occurred.
14. Additional reinforcing in precast or tilt-up panels required for lifting stresses shall be supplied by the Contractor at no additional cost to the Owner.
15. Provide 2-#4x4'-0" diagonal reinforcing at mid-depth of slab at all reentrant corners typical.
16. Refer to Architectural Drawings for wall openings, wall offsets, chamfers, kerfs, drips, etc.
17. Casting concrete during cold weather shall be in accordance with all provisions of ACI 306 (latest edition), Standard Specification for Cold Weather Concreting.
18. Casting concrete during hot weather shall be in accordance with all provisions of ACI 305 (latest edition), Specification for Hot Weather Concreting.
19. Special provisions for floor slabs on ground:
    a) The parameters for the mix design listed below for floor slabs on ground are intended to provide a low shrinkage concrete mixture.
    b) Joints in the floor slabs shall be constructed and spaced per (16 SL2)
    c) Floor slabs shall be cast directly on a vapor barrier as specified on the drawings or in the specifications.
    d) Floor slabs shall be moist cured for a minimum of 7 days unless otherwise noted in the specification.
    e) Floor slabs shall not be loaded until they have reached their specified design strength.
20. Concrete types:

Class	Item	f'c @ 28 days	Aggregate Size	Unit Weight (pcf)	Max W/C Ratio
A.	Footings	3000 psi	1½"	145	0.60
*B.	Floor Slabs on Ground	3000 psi	1"	145	0.45
C.	Ext Walks & Pads	3000 psi	1"	145	0.55

* A shrinkage reducing admixture conforming to ASTM C-494 Type S, such as Eclipse Floor 200 by W.R. Grace & Co., MasterLife SRA 20 by BASF Corporation, or equal, shall be included in this mix. Minimum dosage for shrinkage reducing admixture shall be 0.50 gallons per cubic yard of concrete, or as recommended by the admixture manufacturer for general shrinkage reduction. Also in this mix shall be included an integral waterproofing admixture (Moxie, or equal).

Notes:
a) Concrete shall have a maximum slump of 4".
b) A water-reducing admixture should be added where increased workability is needed or desired.

Reinforcing Steel

1. Reinforcing steel shall conform to ASTM A615- grade 60 for #4 and larger, and ASTM A615-grade 40 for #3 and smaller, except reinforcing steel to be welded shall conform to ASTM A706.
2. All preheating and welding of reinforcing bars shall be done in accordance with AWS D1.4 latest edition and shall be continously inspected by a qualified laboratory. Contractor shall furnish to the laboratory rebar mill certificates.
3. Reinforcing steel shall be fabricated in accordance with the ACI "Manual of Standard Practice for Reinforced Concrete Construction", latest edition.
4. Wire fabric shall conform to ASTM A-185 and shall be lapped 12" minimum at splices.
5. Reinforcing steel shall be kept clean and free of rust.
6. Shop drawings for reinforcing steel shall be submitted for review prior to fabrication and delivery of reinforcing steel.
7. Provide all accessories necessary to support and secure reinforcing steel in the positions shown on the plans. All reinforcing steel shall be tied securely in position prior to placing concrete.
8. The following minimum concrete cover shall be provided for reinforcing steel:
   a) For concrete cast against earth.....3"
   b) For concrete exposed to earth or weather:
      #5 and smaller bars.....1½"
      #6 and larger bars.....2"
      #9 and smaller bars in tilt-up panels.....1"
   c) For concrete not exposed to earth or weather.....1½"
9. Splices in reinforcing steel shall be Class B unless noted otherwise and shall conform to the following schedule:

Lap Splice Length Schedule

Splice Class	Reinforcing Location	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	Top Bars	17"	23"	33"	46"	74"	93"	113"	137"	162"
B	Other Bars	16"	17"	26"	35"	57"	72"	87"	106"	125"

Notes:
a) Schedule applies to uncoated, Grade 60 reinforcing steel, and normal weight, 3000 psi concrete.
b) Top bars are located such that 12" or more of fresh concrete is cast below the splice.
c) For light weight concrete, multiply lap lengths by 1.30.
d) Schedule applies to bars with a clear spacing of not less than 2 inches plus one bar diameter, and, to bars with concrete cover of at least 1 inch.

Simpson SET-3G Adhesive Anchors in Concrete

1. Use Simpson SET-3G Adhesive Anchors as manufactured by Simpson Strong Tie Company, Inc., ICC Report No. ESR-4057.
2. Installation of anchors shall be in accordance with the manufacturer's recommendations, ICC report and these notes.
3. Holes for installation of the threaded rod or reinforcement bar must be cleaned of dust and debris, using a nylon brush and oil-free compressed air as required to remove particulate debris and to achieve a relatively dust-free surface.
4. Special Inspection is required for anchor installations.
5. When installing anchors do not cut or damage existing reinforcing bars.
6. Threaded anchor rods to be ASTM A307 Grade C, ASTM A193 Grade B7, or ASTM A193 Grades B6 or B8.
7. Deformed reinforcing bars (rebar) to conform to ASTM A615.
8. Concrete shall be normal weight with a minimum compressive strength of 2500 psi.
9. All anchors through pressure treated lumber shall be stainless steel.

NORMAL WEIGHT CONCRETE ANCHORS
f'c = 2500psi (min)

Simpson SET-3G — Carbon Steel Anchors ICBO Report NO. 4057

Anchor Diameter	Embed (un.o.)	Edge Distance	Spacing	ICBO Allowable Loads (lbs) * per ACI 318-14, Chapter 17		
				Allowable Shear	Allowable Tension	Tension Test
½"	3"	6"	6"	640	315	630
⅝"	4"	2⅜"	12"	460	230	460
⅝"	4"	8"	12"	1005	500	1000
¾"	6"	12"	12"	4550	920	1840

Notes:
1. *Tabulated loads are allowable stress design loads.
2. Tabulated loads listed in this table are not for use when both shear and tension forces are present.
3. The minimum concrete thickness is equal to 2.25 x embedment depth.
4. Tabulated loads are based on ASTM, Grade C material.
5. Tabulated loads are based on having no supplementary reinforcing present.
6. Tabulated loads are based on a seismic design category of type "D".
7. Tabulated loads are based on the assumption of a non-ductile connection and include the 2.5 factor required by ACI 318.
8. For conditions not covered by this table, contact the Engineer of Record for direction prior to proceeding.

Nailing Schedule

Connection	Nailing
1. Joist to sill or girder	3-8d common, toenail 3-3"x0.131" nails, toenail
2. Sole plate to joist or blocking	3-16d common @ 16"c.c. 4-3"x0.131" nails @ 16"c.c.
3. Top plate to stud	2-16d common 3-3"x0.131" nails
4. Stud to sole plate	4-10d common, toenail 4-3"x0.131" nails, toenail
5. Double top plates blwn lap splices	16d common @ 12"c.c. 3-3"x0.131" nails @ 8"c.c.
6. Double top plates at lap splices	12-16d common, evenly spaced 18-3"x0.131" nails, evenly spaced
7. Built-up girders, beams, or multiple studs, joists and rafters (made up of multiple 2x members)	2 rows of 16d common @ 24"c.c. 2 rows of 3"x0.131" nails @ 16"c.c.
8. Blocking btwn joists or rafters	2-10d common, toenail each end to joist or rafter
9. Blocking btwn joists or rafters to top plate or beam	3-10d common, toenail 3-3"x0.131" nails, toenail
10. Rim joist to top plate	10d common toenail @ 6"c.c. 3"x0.131" nails, toenail @ 6"c.c.
11. Top plate intersections	2-16d common 3-3"x0.131" nails
12. Ceiling joists to top plate	3-10d common, toenail 5-3"x0.131" nails, toenail
13. Ceiling joist laps over partitions	3-16d common, minimum 4-3"x0.131" nails, minimum Also see CBC Table 2308.10.4.1
14. Ceiling joist to parallel rafters	3-16d common, minimum 4-3"x0.131" nails, minimum Also see CBC Table 2308.10.4.1
15. Rafter to top plate	3-10d common, toenail 4-3"x0.131" nails, toenail
16. Built-up corner studs	16d common @ 16"c.c. 3"x0.131" nails @ 12"c.c.
17. Collar tie to rafter	3-10d common
18. Jack rafter to hip	3-10d common, toenail 4-3"x0.131" nails, toenail
19. Rafter to 2x ridge	3-16d common, toenail 5-3"x0.131" nails, toenail
20. Wood structural panel wall or floor sheathing	8d common @ 6"c.c. at edges and 8d common @ 12"c.c. in field

Notes:
1. This nailing schedule shall govern unless other connections are specifically detailed or noted otherwise.
2. Connections are "face nail" unless noted as toenail.
3. Holes shall be pre-drilled where necessary to prevent splitting.
4. Nailing not noted on plans or in this nailing schedule shall be a minimum of two nails at each contact, with 8d nails being used for 1" nominal material and 10d nails being used for 2" nominal material.

Abbreviations

add'l ..... Additional
alt ..... Alternate
AISC ..... American Institute of Steel Construction
APA ..... American Plywood Association
ASTM ..... American Society for Testing and Materials
AWS ..... American Welding Society
AB ..... Anchor bolt
& ..... And
arch ..... Architect/Architectural
@ ..... At
bm ..... Beam
btwn ..... Between
blkg ..... Blocking
B.S. ..... Both sides
bott ..... Bottom
BN ..... Boundary nail
clg ..... Ceiling
cc ..... Center to center
℄ ..... Center line
clr ..... Clear
col ..... Column
CP ..... Complete Penetration
conc ..... Concrete
CMU ..... Concrete masonry unit
conn ..... Connection
CJ ..... Construction Joint
cont ..... Continuous
csk ..... Countersink
CTJ ..... Control Joint
DL ..... Dead Load
diag ..... Diagonal
dia ..... Diameter
do ..... Ditto
D.F. ..... Douglas Fir
dbl ..... Double
dwg ..... Drawings
ea ..... Each
E.F. ..... Each Face
embed ..... Embedment
EN ..... Edge Nail
E.W. ..... Each Way
elev, el ..... Elevation
eq ..... Equal
equip ..... Equipment
(e) ..... Existing
E.J ..... Expansion Joint
F'c ..... Strength of concrete
F.B ..... Face of block
F.M ..... Face of masonry
F.S ..... Face of Stud
F.F. ..... Finish floor
F.G. ..... Finish grade
flr ..... Floor
ftg ..... Footing
fnd ..... Foundation
frmg ..... Framing
galv ..... Galvanized
ga ..... Gauge
GLB ..... Glued-laminated beam
hgr ..... Hanger
hdr ..... Header
ht ..... Height
HSB ..... High strength bolt
HSS ..... Hollow structural section
horiz ..... Horizontal
int ..... Interior
jst ..... Joist
jh ..... Joist hanger
lt. wt. ..... Light weight
LL ..... Live Load
L.L.H. ..... Long leg horizontal
L.L.V. ..... Long leg vertical
LVL ..... Laminated veneer lumber
MB ..... Machine bolt
mfr ..... Manufacturer
max ..... Maximum
mech ..... Mechanical
min ..... Minimum
misc ..... Miscellaneous
mtl. ..... Metal
(n) ..... New
nts ..... Not to scale
..... Number or pounds
oc ..... On center
OWS ..... Open web girder
OWJ ..... Open web joist
O.H. ..... Opposite Hand
o.d. ..... Outside diameter
PP ..... Partial penetration
℄ ..... Plate
pcf ..... Pounds per cubic foot
psf ..... Pounds per square foot
psi ..... Pounds per square inch
PAF ..... Powder actuated fasteners
PSL ..... Parallel strand lumber
PTDF ..... Pressure treated douglas fir
r, rad ..... Radius
RDWD ..... Redwood
reinf ..... Reinforcing
req'd ..... Required
R.O. ..... Rough opening
@ ..... Round or diameter
sched ..... Schedule
SDS75 ..... Self drilling self tapping screw
shtg ..... Sheathing
SMS ..... Sheet metal screw
slm ..... Similar
..... square
stagg ..... Staggered
std ..... Standard
stl ..... Steel
stiff'r ..... Stiffener
struct ..... Structural
symm ..... Symmetrical
TN ..... Toe nail
t&b ..... Top & bottom
t.o.c. ..... Top of concrete
t.o.f. ..... Top of framing
t.o.℄ ..... Top of plate
t.o.s. ..... Top of Steel
t.o.w. ..... Top of Wall
t&g ..... Tongue & Groove
TS ..... Tube Steel
typ ..... Typical
U.n.o. ..... Unless noted otherwise
vert ..... Vertical
w/ ..... With
w/in ..... Within
w/o ..... Without
WS ..... Wood screw
W.P. ..... Working point
WWF ..... Welded wire fabric
WCLIB ..... West Coast Lumber Inspection Bureau

DSA STAMP

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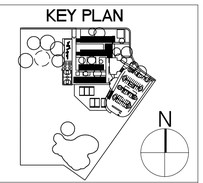
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



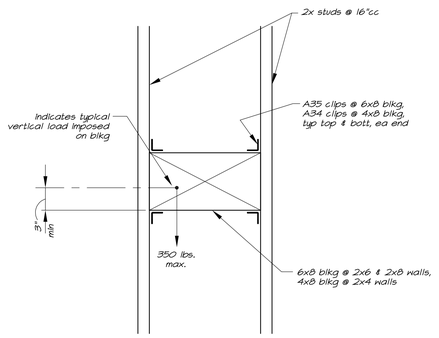
WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

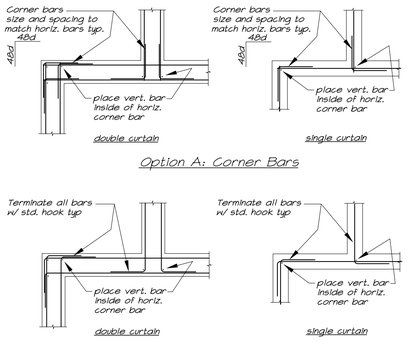
WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA
95691

Typical Notes

Date 03/18/2019
Scale AS NOTED
Project Number 19003.1
Drawing Number S1.1



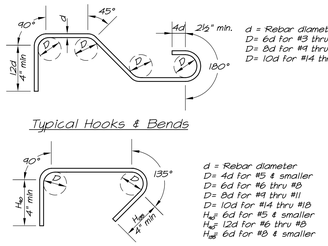
13 S1.2 Typical Blocking for Wall-Mounted Equipment 1½"=1'-0"



Option A: Corner Bars

Option B: Std. Hooks

14 S1.2 Typical Corner Reinforcing ⅜"=1'-0"

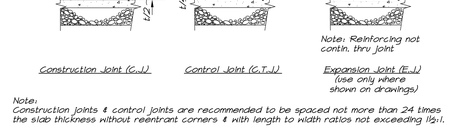


d = Rebar diameter
D= 6d for #3 thru #5
D= 8d for #6 thru #11
D= 10d for #14 thru #18
H_{std} 6d for #5 & smaller
H_{std} 12d for #6 thru #8
H_{std} 6d for #9 & smaller

Typical Hooks & Bends

Ties & Stirrups

15 S1.2 Rebar Hooks & Bends ⅜"=1'-0"

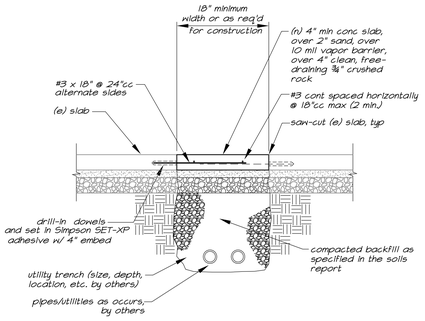


Construction Joint (C.J.) Control Joint (C.T.J.) Expansion Joint (E.J.) (use only where shown on drawings)

Note: Reinforcing not contin. thru joint

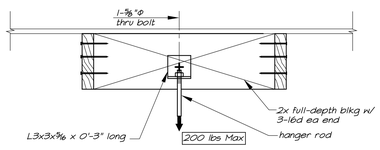
Note:
Construction joints & control joints are recommended to be spaced not more than 24 times the slab thickness without reentrant corners & with length to width ratios not exceeding 1½:1.

16 S1.2 Slab-On-Grade Joints ⅜"=1'-0"

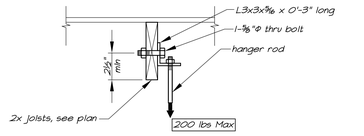


Detail 17 S1.2 ¾"=1'-0"

Typical Infill Slab at Utility Trench

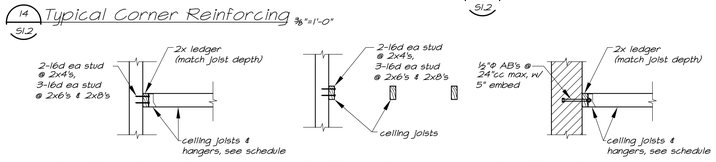


At Parallel Condition



At Perpendicular Condition

9 S1.2 Typical Hanger Rod Connection 1½"=1'-0"

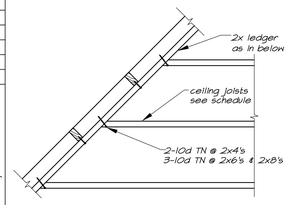


Condition @ Perpendicular Walls Condition @ Parallel Walls Condition @ Masonry Walls

Ceiling Joist Schedule

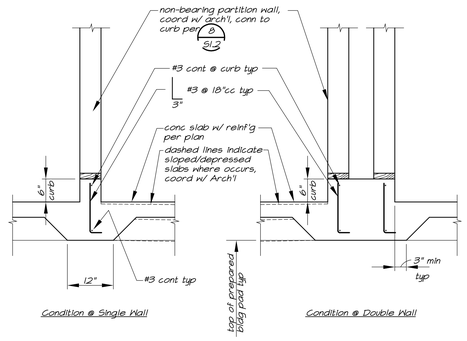
Span	Joist	Hangers
7'-0" max	2x4 DF #2 @ 24"cc max	LUS24
11'-0" max	2x6 DF #2 @ 24"cc	LUS26
13'-0" max	2x6 DF #2 @ 16"cc	LUS26
15'-3" max	2x8 DF #1 @ 16"cc	LUS28
18'-3" max	2-2x8 DF #1 @ 24"cc max	LUS28

Schedule Notes:
1. Ceiling joist sizes in this schedule shall govern unless joists are called out elsewhere on the structural drawings.
2. This schedule is intended to be used only where ceiling joists can span across a room and be supported by a wall (which is supported by the floor) on each end. In rooms too large to use this schedule, refer to plans, sections and details for construction.
3. This schedule is intended for ceilings supporting one single layer of ⅝" gyp board. The design loads used to produce this schedule are as follows:
Dead Load = 8 psf
Live Load = 10 psf
4. Use LUS series hangers at double joists where double joists are required as noted on the plans or details.



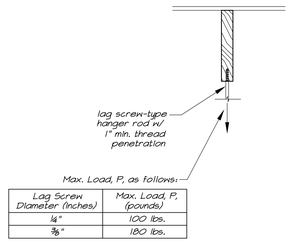
Condition @ Skewed Walls

10 S1.2 Typical Ceiling Joists ¾"=1'-0"



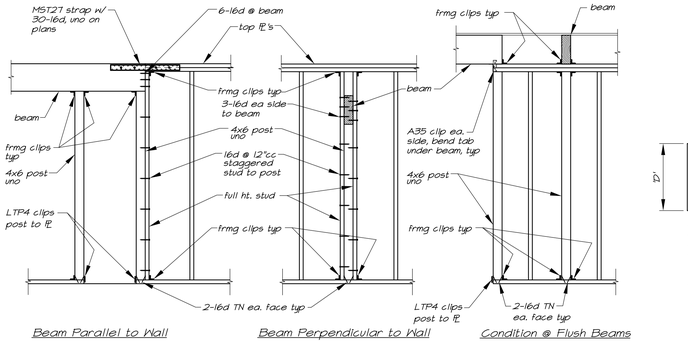
Condition @ Single Wall Condition @ Double Wall

11 S1.2 Concrete Curbs @ Non-Bearing Walls and Non-Shearwalls ⅜"=1'-0"



Lag Screw Diameter (inches)	Max. Load, P, (pounds)
½"	100 lbs.
⅝"	180 lbs.

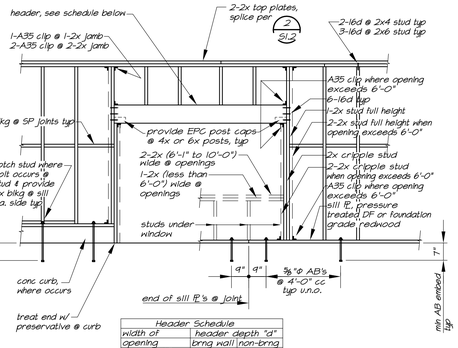
12 S1.2 Typical Hanging Loads to 2x Framing Connection 1½"=1'-0"



Beam Parallel to Wall Beam Perpendicular to Wall Condition @ Flush Beams

Note: Framing clips to be A34 @ 2x4 walls and A35 @ 2x6 walls, typical uno.

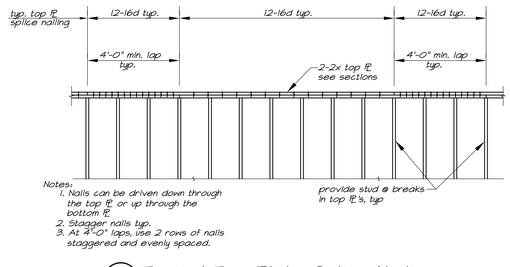
5 S1.2 Post & Beam Connections 1½"=1'-0"



Header Schedule		
width of opening	header depth "d"	
	brng wall	non-brng
0 to 4'-0"	6"	4"
4'-1" to 8'-0"	8"	6"
8'-1" to 10'-0"	10"	8"

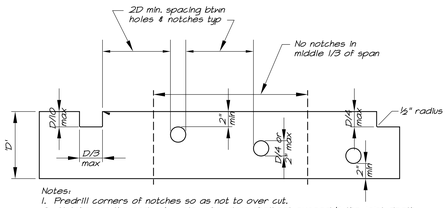
typ unless noted otherwise

1 S1.2 Typical Stud Wall & Opening Framing ⅜"=1'-0"



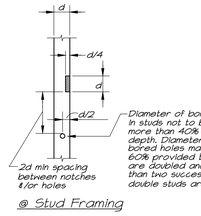
Notes:
1. Nails can be driven down through the top ℄ or up through the bottom ℄.
2. Stagger nails typ.
3. At 4'-0" laps, use 2 rows of nails staggered and evenly spaced.

2 S1.2 Typical Top Plate Splice Nailing ¼"=1'-0"



Notes:
1. Predrill corners of notches so as not to over cut.
2. Notches on the ends of joists & headers shall not exceed ¼ the joist depth.
3. Notches in the top of joists shall not exceed 1/10 the depth and shall not be located in the middle third of the span.
4. Notches on the bottom of joists allowed only where specifically shown on drawings.
5. Holes bored in joists shall not be within 2 inches of the top or bottom and shall not have a diameter larger than ¼ the depth of the joist.

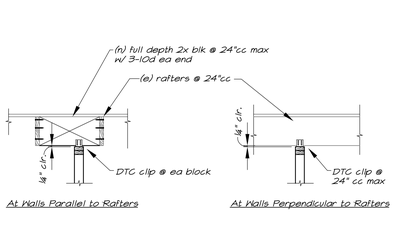
@ Joists & Headers



@ Stud Framing

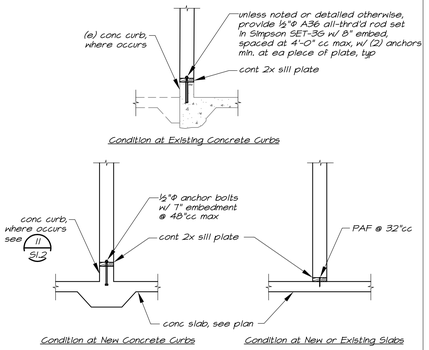
Note: In no case shall the edge of the bored hole be nearer than ⅝" to the edge of the stud.

6 S1.2 Notches & Holes in Joists, Headers, & Studs ⅜"=1'-0"



At Walls Parallel to Rafters At Walls Perpendicular to Rafters

7 S1.2 Typical Non-Bearing Wall Conn. ½"=1'-0"

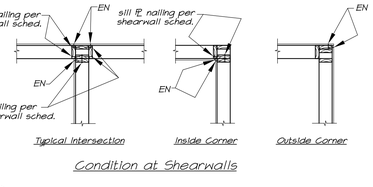


Condition at Existing Concrete Curbs

Condition at New Concrete Curbs Condition at New or Existing Slabs

8 S1.2 Typical Non-Bearing Wall Conn. ½"=1'-0"

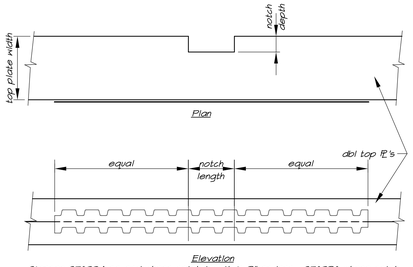
Condition at Non-Shearwalls



Typical Intersection Inside Corner Outside Corner

Condition at Shearwalls

3 S1.2 Typical Stud Framing at Corners ⅜"=1'-0"



Simpson ST6224 ea end where notch length is 3" or less. ST6236 where notch length is greater than 3" but less than 6". Use single strap on notch side where notch depth is up to 1/3 width of plates. Use strap on ea side where notch depth is greater than 1/3 width but less than 2/3 width of plate. No notch depth shall be greater than 2/3 width of plate.

Holes in top plates shall be centered on the plates and the diameter of such holes shall not exceed 60% of the width of the top plates. Use Simpson ST6224 strap at holes not exceeding 40% of the top plates width, and Simpson ST6236 strap at holes sizes exceeding 40% of the width of the top plates.

Where straps occur on both sides of the wall, use 16d x 2½" nails

4 S1.2 Splice of Top Plate @ Notch or Holes For Pipes or Conduits ⅜"=1'-0"

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LICENSED ARCHITECT BRYAN P WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER
REGISTERED PROFESSIONAL ENGINEER JOHN M MANDSAGER No.3824 Exp.09/30/20 STRUCTURAL STATE OF CALIFORNIA

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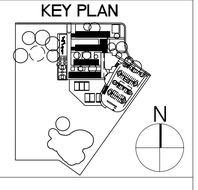


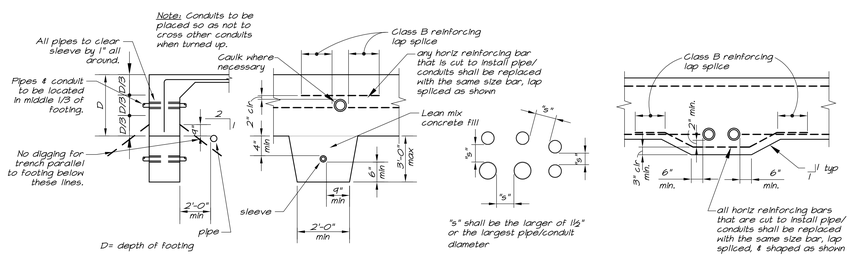
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

Typical Details

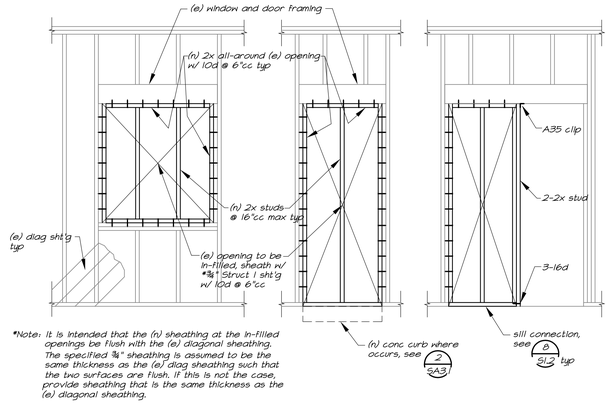
Date 03/18/2019
Scale AS NOTED
Project Number 19003.1
Drawing Number S1.2



Notes:

1. Lean mix concrete fill to be placed before footing is cast. Make same width as footing and full width of pipe trench. Step footing if pipe is more than 2'-6" below bottom of footing.
2. No pipes shall be placed below spread footing, typ.
3. If pipe is in place prior to casting concrete, wrap pipe w/ compressible foam pipe wrap (1" min all around) in lieu of sleeve.

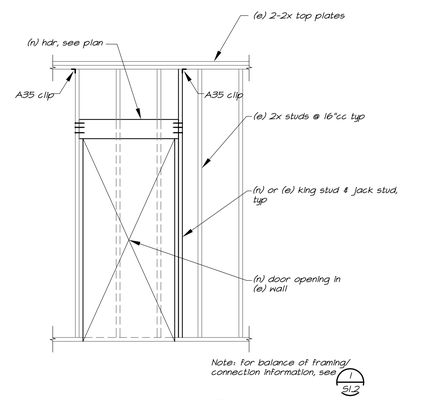
1 / S1.3 Pipes & Conduits at Footings 3/8"=1'-0"



*Note: It is intended that the (n) sheathing at the in-filled openings be flush with the (e) diagonal sheathing. The specified ⅜" sheathing is assumed to be the same thickness as the (e) diag sheathing such that the two surfaces are flush. If this is not the case, provide sheathing that is the same thickness as the (e) diagonal sheathing.

Detail 2 / S1.3 ½"=1'-0"

Typical Wall In-fill Detail



Detail 3 / S1.3 ½"=1'-0"

Typical Framing at New Doors in Existing Walls

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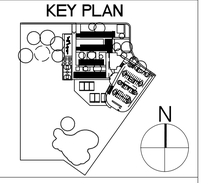

WASHINGTON UNIFIED SCHOOL DISTRICT
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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

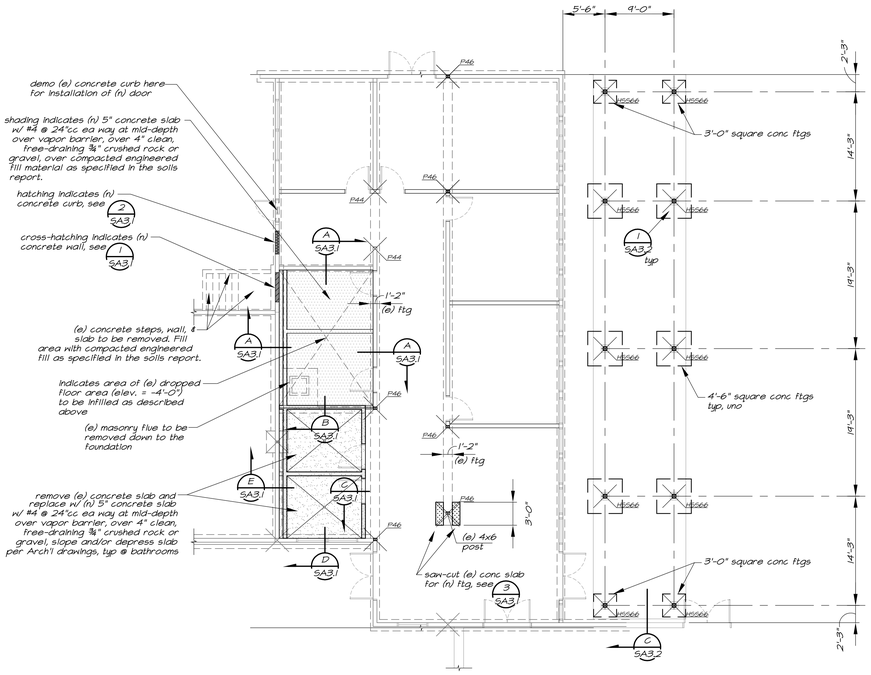
Typical Details

Date
03/18/2019

Scale
AS NOTED

Project Number
19003.1

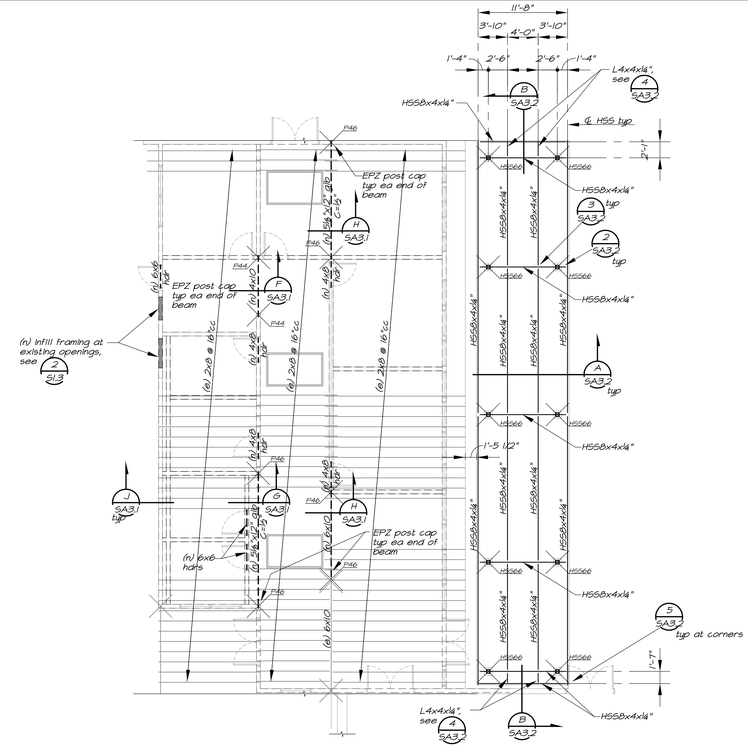
Drawing Number
S1.3



Partial Foundation Plan

1/SA2.1 1/8"=1'-0"

North



Partial Roof Framing Plan

2/SA2.1 1/8"=1'-0"

North

Foundation Plan Notes:

1. Coordinate all dimensions with architectural drawings. Notify Architect of any discrepancies for resolution prior to proceeding.
2. See sheet S1.1 thru S1.3 for typical notes and details. These notes and details apply to all construction unless noted or detailed otherwise.
3. Posts and columns:
   - A.) Indicates wood posts typical uno. See plan for sizes.
   - B.) Indicates steel HSS or pipe columns. See plan for sizes.
   - C.) Unless noted otherwise, support all 4x beams on 4x6 posts and all 6x and 5½"x beams on 6x6 posts
   - D.) Posts shall be of lumber grades as specified on sheet S1.1 unless noted otherwise on the plans or in the schedule above.
   - E.) New posts shall be anchored to sill plates with BCO post bases.
   - F.) Wood Post & Steel Column Schedule:

Mark	Post
P44	(n) 4x4
P46	(n) 4x6

Mark	Column Size
HSS66	HSS6x6x1/4"

4. Construction of concrete floor slabs shall conform to the following:
   - A.) Subgrade soils shall be prepared in strict accordance with the Geotechnical Report.
   - B.) Floor slabs shall be cast directly onto a 10 mil. vapor barrier. The vapor barrier should be properly lapped and sealed as well as sealed around all plumbing lines, conduits, and other openings.
   - C.) The vapor barrier shall be placed directly over a 4" thick capillary break consisting of free-draining gravel/crushed, compacted rock. The crushed rock shall be graded such that 100% passes a 1" sieve and less than 5% passes the No. 4 sieve. Compact the crushed rock with at least two passes of a vibratory type compactor.
   - D.) Provide joints in the concrete floor slabs per 16/S1.3. A slab joint plan shall be submitted to the Architect for approval prior to casting the slabs.
5. All interior non-bearing partition walls are to be built full-height to the bottom of the roof framing and connected per details 7/S1.3 & 8/S1.3. Coordinate all locations of new interior bearing walls w/ the Arch'l drawings.
6. ▭ Indicates new 6" tall concrete curbs, see sections.

Roof Framing Plan Notes:

1. Coordinate all dimensions with architectural drawings. Notify Architect of any discrepancies for resolution prior to proceeding.
2. See sheet S1.1 thru S1.3 for typical notes and details. These notes and details apply to all construction unless noted or detailed otherwise.
3. Unless otherwise noted or detailed, provide post and beam connections in walls per 5/S1.2, otherwise provide all posts with PCZ/EPCZ post caps.
4. Posts and columns:
   - A.) Indicates wood posts typical uno. See plan for sizes.
   - B.) Indicates steel HSS or pipe columns, as occurs. See plan for sizes.
   - C.) Unless noted otherwise, support all 4x beams on 4x6 posts and all 6x and 5½"x beams on 6x6 posts
   - D.) Posts shall be of lumber grades as specified on sheet S1.1 unless noted otherwise on the plans or in the schedule above.
   - E.) Wood Post & Steel Column Schedule:

Mark	Post
P44	(n) 4x4
P46	(n) 4x6

Mark	Column Size
HSS66	HSS6x6x1/4"

5. Unless otherwise noted, where hangers are required, use hangers as follows:

Member	Hanger Series (no slope)	Sloped Hanger Series
4x10	LUS410	HU410
2x, 2-2x	LUS	U
Other 4x & 6x	HU	HU

6. For typical stud connections, see "Nailing Schedule" on sheet S1.1.
7. At glulam beams, C=¾" indicates amount of camber required at midspan of beam. If not specifically indicated otherwise, camber beams on 2000' radius.
8. For typical framing at new door openings in existing walls, see 3/S1.3
9. For typical infill-framing at openings in existing walls, see 2/S1.3

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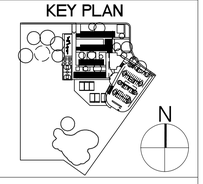

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
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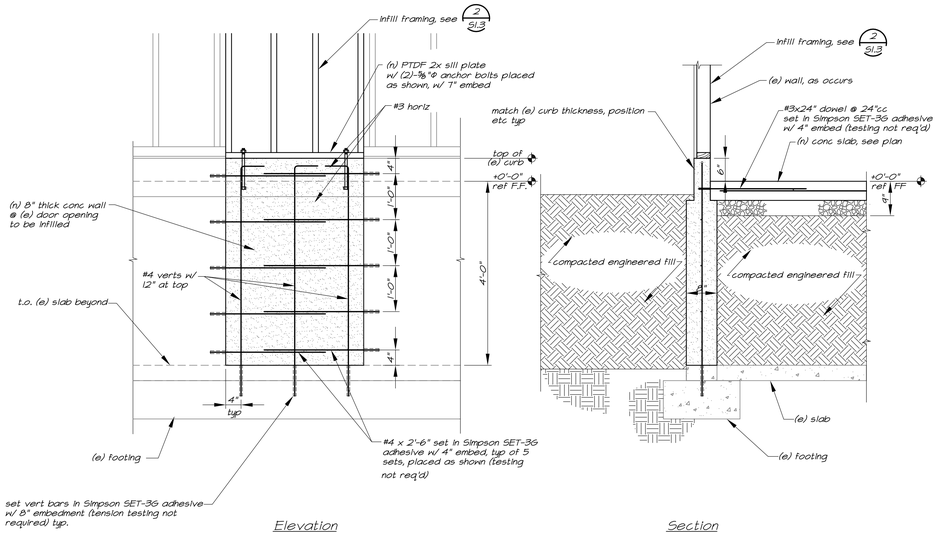
Building A-
Foundation Plan,
Ceiling Framing Plan &
Roof Framing Plan

Date
03/18/2019

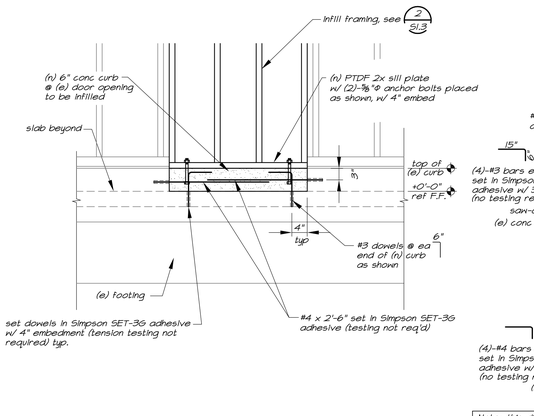
Scale
AS NOTED

Project Number
19003.1

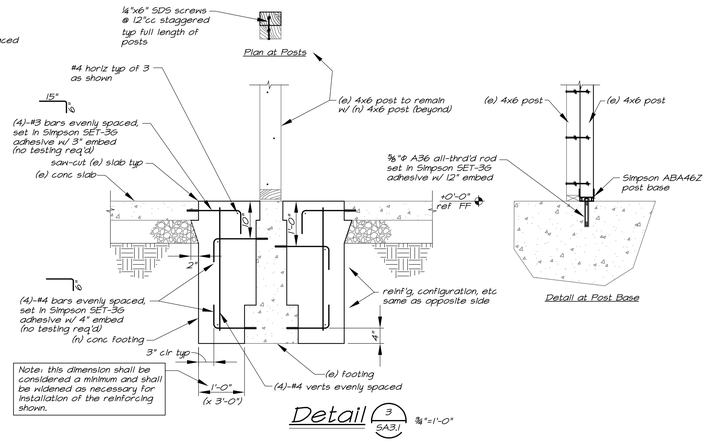
Drawing Number
SA2.1



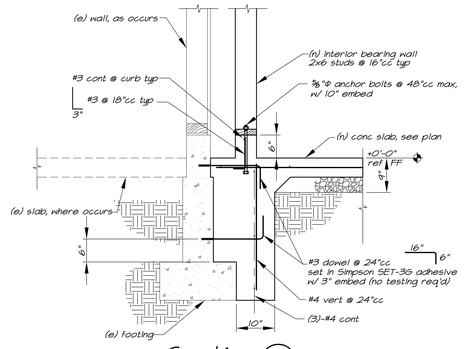
Detail 1/SA3.1 ¾"=1'-0"



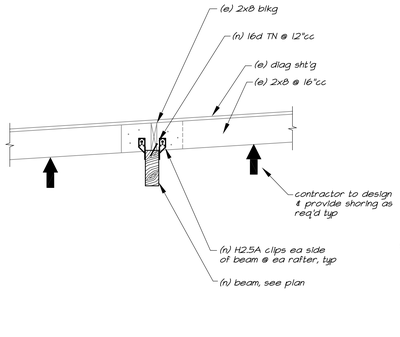
Detail 2/SA3.1 ¾"=1'-0"



Detail 3/SA3.1 ¾"=1'-0"



Section E/SA3.1 ¾"=1'-0"



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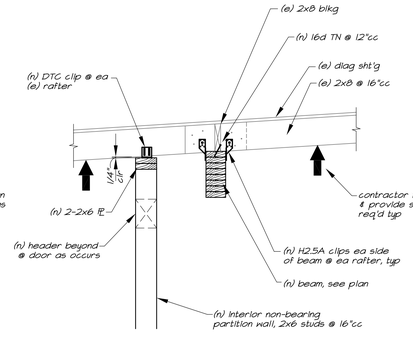

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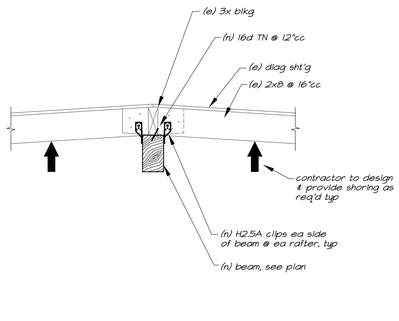

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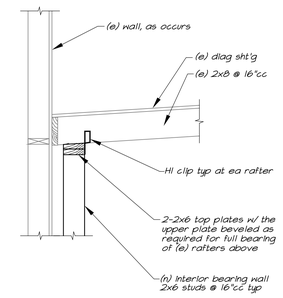

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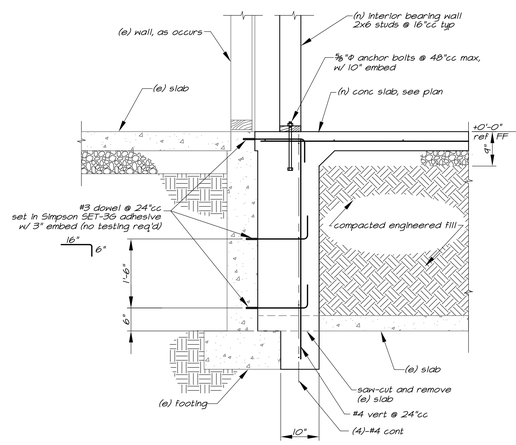

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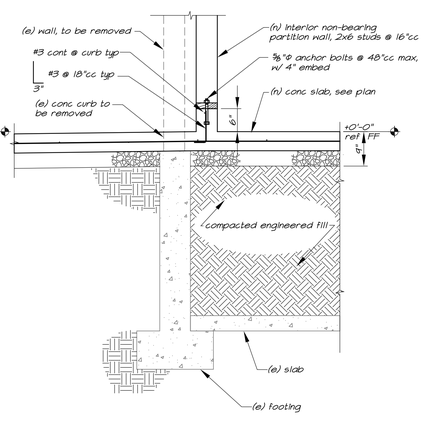
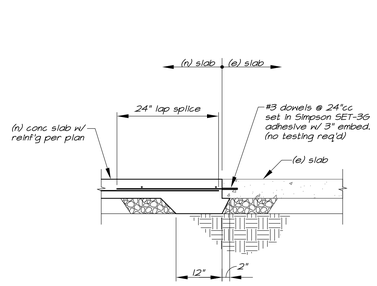
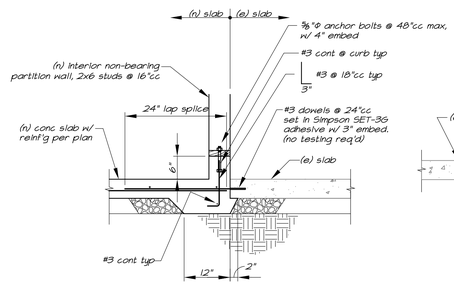
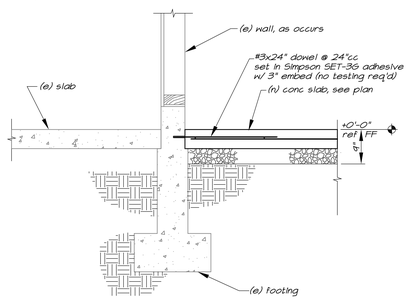


Section B/SA3.1 ¾"=1'-0"







Section C/SA3.1 ¾"=1'-0"
Typical (n) to (e) Slab Connection

Section D/SA3.1 ¾"=1'-0"
Typical (n) slab to (e) Footing Connection

DSA STAMP

IDENTIFICATION STAMP
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APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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STRUCTURAL ENGINEERS INC

ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER JOHN M MANDSAGER No.3824 Exp.09/30/20 STRUCTURAL STATE OF CALIFORNIA

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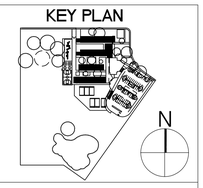
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



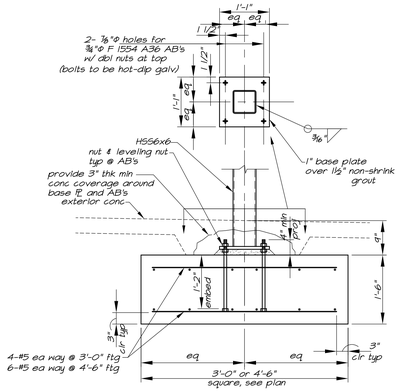
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

Sections and Details

Date	Drawing Number
03/18/2019	SA3.1
Scale: AS NOTED	
Project Number: 19003.1	



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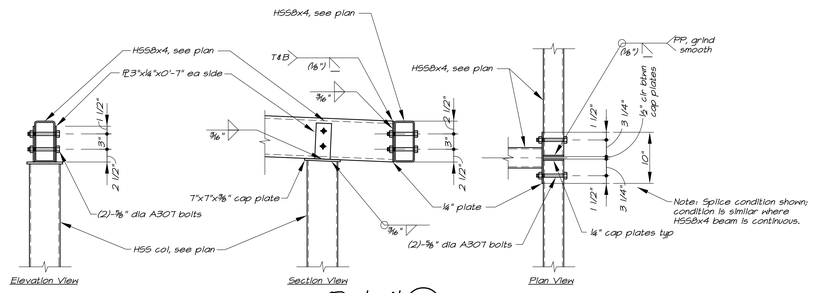
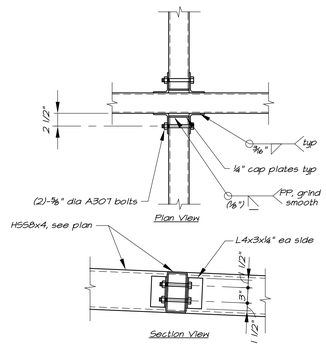
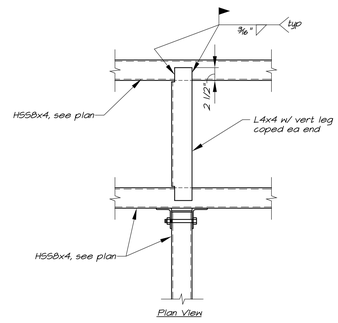


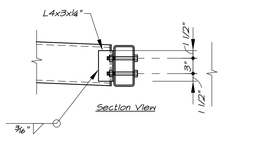
Detail 2/SA3.2 1"=1'-0"

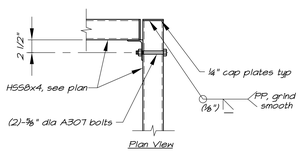


Detail 3/SA3.2 1"=1'-0"

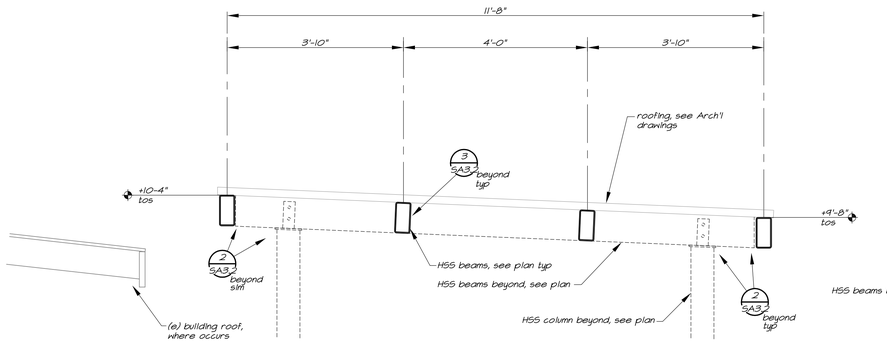


Detail 4/SA3.2 1"=1'-0"





Detail 5/SA3.2 1"=1'-0"



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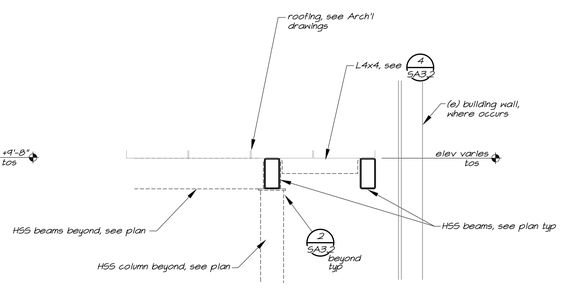

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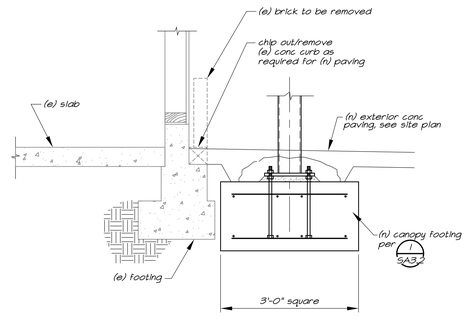

Section C/SA3.2 ¾"=1'-0"

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	DATE
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● DSA BACK CHECK	5/29/2019
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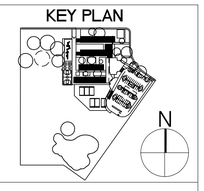
KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA
95691

Sections and Details

Date
03/18/2019

Scale
AS NOTED

Project Number
19003.1

Drawing Number
SA3.2

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	DESCRIPTION
A	DUCT MOUNT SUPPLY	DOUBLE DEFLECTION, INDIVIDUALLY ADJUSTABLE BLADES WITH 3/4" SPACING FOR DUCT MOUNTING. AIR SCOOP DAMPER EXTRACTOR. TITUS MODEL S300RS.
B	SIDEWALL TRANSFER AIR	SINGLE DEFLECTION, FIXED BLADE, 35° DEFLECTION, 3/4" BLADE SPACING, FRAME FOR SURFACE MOUNTING, OBD. TITUS MODEL 50F.
E	CEILING EXHAUST	SINGLE DEFLECTION, FIXED BLADE, 35° DEFLECTION, 3/4" BLADE SPACING, FRAME FOR SURFACE MOUNTING, OBD. TITUS MODEL 350RL.

NOTES:
1. EQUIVALENT MODELS OF TUTTLE & BAILEY, KRUEGER, ENVIROMENTAL AIR PRODUCTS, OR J & J ARE ACCEPTABLE. REFER TO THE MECHANICAL PLANS FOR NECK SIZE, CFM, AIR DIFFUSION PATTERN, AND FIRE DAMPER, IF REQUIRED.

EXHAUST FAN SCHEDULE

NUMBER	REF-1	REF-2	REF-3	REF-4	CEF-1
TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
MOUNTING	ROOFTOP	ROOFTOP	ROOFTOP	ROOFTOP	CEILING
HP/WATTS	0.25 / –	0.07 / –	0.1 / –	0.1 / –	– / 8
VOLTS/PHASE	115 / 1	115 / 1	115 / 1	115 / 1	115 / 1
CFM	400	100	275	325	100
E.S.P. (IN W.C.)	0.4	0.15	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
FAN RPM	1770	1235	1234	1352	940
SONES	5.7	2.4	4.9	5.7	0.7
SERVICE	BLDG A	BLDG A	BLDG B & C	BLDG E	BLDG B
CONTROL	EXISTING	EXISTING	EXISTING	EXISTING	INTERLOCK W LIGHTS
EXISTING WEIGHT (LBS)	14	14	37	37	–
OPERATING WEIGHT (LBS.)	85	20	25	25	15
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL	USFD-108-BI	G-060-VG	G-080-VG	G-080-VG	SP-110-VG

NOTES:
1. PROVIDE BACKDRAFT DAMPER.
2. PROVIDE VARI-GREEN EC MOTOR.
3. PROVIDE SOLID STATE SPEED CONTROL WITHIN FAN CASING FOR ALL DIRECT DRIVE FANS.
4. UP-BLAST FAN CONFIGURATION FOR REF-1.
5. RECONNECT NEW ROOFTOP EXHAUST FANS TO EXISTING EMS CONTROLS.
6. INTERLOCK CEILING EXHAUST FAN CONTROLS WITH LIGHTS.

INDOOR UNIT SCHEDULE

NUMBER	IDU-1	IDU-2
TYPE	WALL	WALL
MOUNTING	ABOVE DOOR	ABOVE DOOR
MCA	1	1
VOLTS/PHASE	208/1	208/1
DRIVE	DIRECT	DIRECT
CFM	705	705
E.S.P. (IN. WC.)	N/A	N/A
OUTSIDE AIR CFM	0	0
EADB / EAWB (°F)	90/73	90/73
TOTAL CAPACITY (MBH)	24.0	24.0
SENSIBLE CAPACITY (MBH)	16.8	16.8
SERVICE	SEE PLAN	SEE PLAN
ACCESSORIES	SEE NOTES	SEE NOTES
OPERATING WEIGHT (LBS.)	55	55
MANUFACTURER	MITSUBISHI	MITSUBISHI
MODEL	PKA-A24KA7	PKA-A24KA7

NOTES:
1. PROVIDE CONDENSATE PUMP.
2. PROVIDE T-STAT.

OUTDOOR UNIT SCHEDULE

NUMBER	ODU-1	ODU-2
TYPE	PROPELLER FAN	PROPELLER FAN
MCA	19	19
MOCP	26	26
VOLTS/PHASE	208/1	208/1
COOLING CAPACITY (MBH)	24.0	24.0
HEATING CAPACITY (MBH)	---	28.0
AMBIENT TEMPERATURE (°F)	115	115
SERVICE	SEE PLAN	SEE PLAN
ACCESSORIES	SEE NOTES	SEE NOTES
OPERATING WEIGHT (LBS.)	175	180
MANUFACTURER	MITSUBISHI	MITSUBISHI
MODEL	PUY-A24NHA7	PUZ-A24NHA7

NOTES:
1. PROVIDE CONDENSER COIL GUARD.
2. PROVIDE LONG REFRIGERANT LINE KIT FOR ALL UNITS.

EQUIPMENT 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 WIRED) 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 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND 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 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 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 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 AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

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 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., SMACNA 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.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☒	☒	☐	☐	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☐	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #0043-13. MASON INDUSTRIES OR EQUAL.
☐	☐	☐		OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSPHD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

MECHANICAL LEGEND

SYMBOL	ITEM	ABBR.
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	TRANSFER AIR	TA
1 / M-1	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
AC-1	EQUIPMENT DESIGNATION UNIT ABBREVIATION NUMBER	
A 10x10-3 120, FD	GRILLE DESIGNATION NECK SIZE & BLOW (4 U/ON) FIRE DAMPER WHERE REQ'D CFM	
	ACOUSTIC LINED DUCT	L
	TURNING VANES	TV
	DUCT FLEXIBLE CONNECTION	
	DUCT RISER	
	DUCT DROP	
	RECTANGULAR TO ROUND FITTING	
	VOLUME CONTROL DAMPER	VD
FD	FIRE DAMPER W/ ACCESS	FD
FSD	FIRE SMOKE DAMPER W/ ACCESS	FSD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	WALL SWITCH @ +48" AFF TOB	
T	THERMOSTAT @ +48" AFF TOB	T-STAT
	TO TOP OF BOX	TOB
CO2	CARBON DIOXIDE SENSOR	CO2
S	SENSOR @ +48" AFF	
TC	TIMECLOCK @ +48" AFF	
TCP	TEMPERATURE CONTROL PANEL	TCP
SD	DUCT SMOKE DETECTOR	SD
	PIPE RISER/DROP	(R)/(D)
	TO ABOVE	(TA)
	FROM ABOVE	(FA)
	ABOVE FINISHED FLOOR	AFF
	UNLESS OTHERWISE NOTED	UON
	TYPICAL	(TYP)
	BOTTOM OF DUCT	BOD
	BOTTOM OF PIPE	BOP
	AUTOMATIC AIR VENT	AAV
	MANUAL AIR VENT	MAV
	TEMP. CONTROL CONTRACTOR	TCC
	TEMPERATURE CONTROL VALVE	TCV
	COMBUSTION AIR	CA
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC
	HEATING HOT WATER SUPPLY	HHWS
	HEATING HOT WATER RETURN	HHWR
	2-WAY CONTROL VALVE	
	BACKFLOW PREVENTER	BFP
	BALL VALVE	
	BUTTERFLY VALVE	
	CAP	
	CHECK VALVE	
	CIRCUIT SETTER (BALANCE VALVE)	
	CONTROL VALVE (2-WAY)	
	FLEX CONNECTOR	FC
	FLOW ARROW	
	GATE VALVE	
	PRESSURE GAUGE	
	PLUG VALVE	
	REDUCER	
	STRAINER	
	TEMPERATURE SENSOR	TS
	TEST PORT (PETE'S PLUG)	PP
	THERMOMETER	
	TRIPLE DUTY VALVE	

MECHANICAL SPECIFICATIONS

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
- A.1. 2016 CALIFORNIA BUILDING CODE
- A.2. 2016 CALIFORNIA MECHANICAL CODE
- A.3. 2016 CALIFORNIA PLUMBING CODE
- A.4. 2016 CALIFORNIA ELECTRICAL CODE
- A.5. 2016 CALIFORNIA GREEN BUILDING STANDARDS
- A.6. 2016 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS – TITLE 24
- A.7. NATIONAL FIRE PROTECTION ASSOCIATION
- A.8. CALIFORNIA STATE FIRE MARSHAL

B. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.

C. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF MECHANICAL EQUIPMENT.

D. CHECK AND VERIFY EXISTING CONDITIONS AT THE JOB SITE BEFORE BEGINNING WORK. ADJUST THE LOCATION AND CONFIGURATION OF THE WORK NECESSARY TO SUIT ACTUAL CONDITIONS AND OTHER TRADES. ANY CHANGES REQUIRED MUST FIRST BE APPROVED BY THE ARCHITECT OR ENGINEER.

E. THE LOCATIONS OF EQUIPMENT, PIPING, DUCTWORK AND SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. CHANGES REQUIRED TO SUIT EXISTING CONDITIONS AND DUE TO COORDINATION WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST TO THE OWNER.

F. SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING NAME OF MANUFACTURER, TRADE NAME, MODEL, CAPACITY, OPTIONS, DIMENSIONS, WEIGHTS, INSTALLATION AND STARTUP DATA. EQUIPMENT PERFORMANCES SCHEDULED ARE MINIMUM CAPACITY, AIR FLOW, EFFICIENCY, ETC. REQUIRED. WEIGHTS AND ELECTRICAL DATA SCHEDULED IS MAXIMUM AVAILABLE OR ALLOWABLE.

G. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

MECHANICAL SHEET INDEX

SHEET NO.	SHEET TITLE
M0.01	MECHANICAL COVER
M0.02	MECHANICAL DETAILS
MA2.1	BUILDING A MECHANICAL FLOOR PLANS
MA3.1	BUILDING A MECHANICAL ROOF PLANS
MB2.1	BUILDING B MECHANICAL FLOOR PLANS
MB3.1	BUILDING B MECHANICAL ROOF PLANS
MC2.1	BUILDING C MECHANICAL FLOOR PLAN
MC3.1	BUILDING C MECHANICAL ROOF PLAN
ME2.1	BUILDING E MECHANICAL FLOOR PLAN
ME3.1	BUILDING E MECHANICAL ROOF PLAN
T24.1	TITLE 24 COMPLIANCE
T24.2	TITLE 24 COMPLIANCE
T24.3	TITLE 24 COMPLIANCE
T24.4	TITLE 24 COMPLIANCE
T24.5	TITLE 24 COMPLIANCE
T24.6	TITLE 24 COMPLIANCE

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN: 12-31-19 MECHANICAL STATE OF CALIFORNIA

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NO.	REMARKS	DATE

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○ DSA PLAN CHECK	3/18/2019
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○ BIDDING	
○ CONSTRUCTION	

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

MECHANICAL COVER

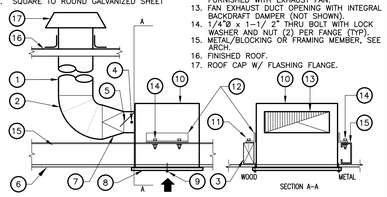
Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

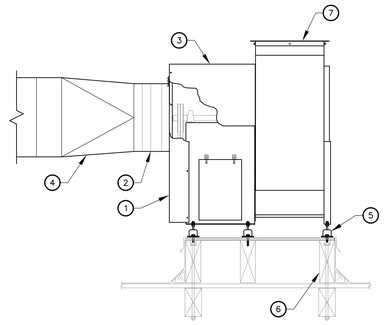
Drawing Number
M0.1

1. ROUND GALVANIZED SHT. MTL. DUCT THRU ROOF, SEE MECHANICAL PLAN FOR SIZE.
2. ROUND GALVANIZED SHT. MTL. 90° ELBOW.
3. 2x WOOD FRAMING OR BLOCKING.
4. #7x 1/2" SHEET METAL SCREWS MIN 4" O.C., TAPE WITH 2" HARDCAST TAPE.
5. INTEGRAL BACKDRAFT BACKER.
6. GYPSUM BD. CEILING, SEE ARCH. DRAWINGS.
7. SQUARE TO ROUND GALVANIZED SHEET METAL TRANSITION.
8. MOLDED WHITE PLASTIC GRILLE FURNISHED WITH EXHAUST FAN.
9. GRILLE BUTTON FURNISHED WITH FAN.
10. CEILING MOUNTED EXHAUST FAN.
11. 1/4" x 1-1/2" LAG SCREW INTO WOOD FRAMING OR BLOCKING.
12. ADJUSTABLE MOUNTING ON EACH SIDE, FURNISHED WITH EXHAUST FAN.
13. FAN EXHAUST DUCT OPENING WITH INTEGRAL BACKDRAFT DAMPER (NOT SHOWN).
14. 1/4"ø x 1-1/ 2" THRU BOLT WITH LOCK WASHER AND NUT (2) PER FANGE (TYP).
15. METAL/BLOCKING OR FRAMING MEMBER, SEE ARCH.
16. FINISHED ROOF.
17. ROOF CAP W/ FLASHING FLANGE.



MEXE05YA — EXHAUST FAN-CEILING MOUNTED (CEF) — NTS — 8

1. UTILITY SET EXHAUST FAN, SEE SCHEDULE
2. INLET FLEX DUCT CONNECTION
3. WEATHERGUARD ENCLOSURE PROVIDED WITH FAN
4. RECTANGULAR TO ROUND DUCT TRANSITION
5. VIBRATION SPRING ISOLATOR PROVIDED WITH FAN, TYP. SILICONE SEAL ALL PENETRATIONS INTO CURB
6. EXISTING CURB.
7. MESH OUTLET SAFETY SCREEN PROVIDED BY FAN MFGR.



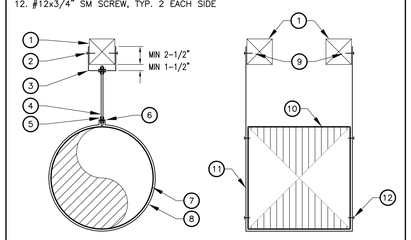
MEXF01YA — UTILITY FAN MOUNTING — NTS — 5

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)				
				AT JOINTS			
			MIN. HT., IN.	DRIVE SLIP / PLAIN S SLIP	HEMMED S SLIP	ALTERNT BAR SLIP	REINFORCED BAR SLIP
				RECOM-MENDED GAGE	RECOM-MENDED GAGE	RECOM-MENDED GAGE	RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 – 18	24	NONE REQUIRED	1	24	24	24	24
19 – 30	24	1" x 1" x 1/8" @ 60 IN.	1		24	24	24
31 – 42	22	1" x 1" x 1/8" @ 60 IN.	1			22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

MXMS05YA — DUCT CONSTRUCTION STANDARDS — NTS — 1

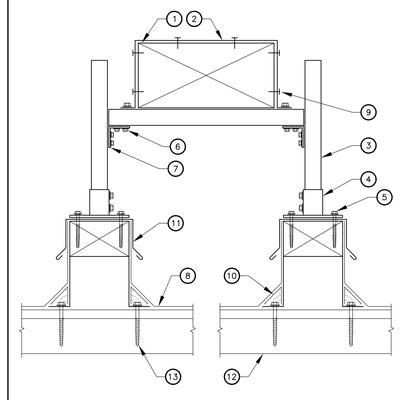
1. 4x4 BLOCKING BETWEEN JOISTS WITH U44 HANGERS AT EACH END, TYP.
2. #12x1-1/2" WOOD SCREWS, 2 PER SIDE
3. 3 WIDE x 16 GA BENT PLATE
4. 3/8"ø THREADED ROD
5. 3/8" NUT & 2" WASHER, TYP. TOP AND BOTTOM OF FLANGE
6. 2-1/2" WIDE X 20 GA STRAP WITH MIN. 3"x2" HIGH FLANGE, TYP.
7. ROUND DUCT
8. 2-1/2" x 20 GA STRAP
9. 1/4"ø x1-1/4" LAG BOLT, TYP. 2 EACH END
10. RECTANGULAR DUCT
11. 1-1/2" x 20 GA STRAP AROUND DUCT
12. #12x3/4" SM SCREW, TYP. 2 EACH SIDE



NOTE:
1. SUPPORT DUCTWORK AT 8'-0" O.C.
2. BLOCKING CONDITION IS SHOWN. 2x JOIST CONDITION IS SIMILAR WITH STRAPS AND LAG BOLTS ATTACHING DIRECTLY TO 2x ROOF JOISTS.
3. PER 2016 CBC, SEISMIC RESTRAIN IS NOT REQUIRED FOR RECTANGULAR DUCTS LESS THAN 6 SQ. FT. CROSS SECTION OR ROUND DUCTS LESS THAN 28"ø.

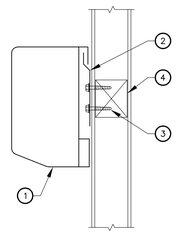
MXMS10A — TYPICAL DUCT SUPPORT DETAIL — NTS — 2

1. RECTANGULAR OR ROUND DUCT. SEE PLAN FOR SIZE. (TYP)
2. 2" WIDE x 18 GA. SHEET METAL STRAP, FOLD OVER ENDS, SECURE TO CHANNEL W/ 3/8"ø BOLT AND CHANNEL NUT AT EACH END.
3. (B-LINE) B22 CHANNEL, (TYP)
4. (B-LINE) B280FL CHANNEL POST BASE, (TYP)
5. 3/8"ø LAG BOLT WITH NEOPRENE WASHER, MIN. 2" INTO NAILER, (2) BOLTS PER POST AT OPPOSITE CORNERS, SILICONE SEAL PENETRATIONS WATERTIGHT
6. (4) 3/8"ø BOLT AND CHANNEL NUT PER ANGLE, (TYP)
7. (B-LINE) B115 FOUR HOLE ANGLE FITTING, (TYP)
8. ROOFING UP AND UNDER FLASHING
9. #12 SM SCREW AT 8" O.C., MIN. 2 PER SIDE.
10. CANT STRIP, TYP.
11. PREFAB. GALV. SHEET METAL EQUIP. CURB, 8" HIGH x 12" LONG WITH WOOD NAILER AND COUNTERFLASHING
12. 4X BLOCKING BETWEEN (E) JOISTS W/ U44 HANGERS AT EA. END
13. 3/8"ø LAG SCREW WITH MIN. 1-1/2" INTO BLOCKING, (2) PER LONG SIDE, TYP.



MOUSA05B — DUCT SUPPORT ON ROOF — NTS — 6

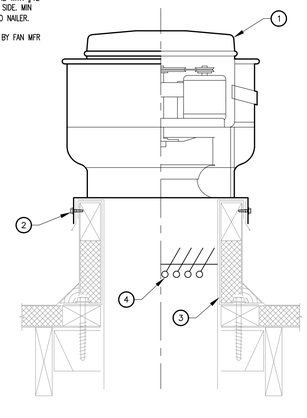
1. INDOOR UNIT, SEE SCHEDULE
2. MOUNTING BRACKET SUPPLIED WITH INDOOR UNIT
3. 3/8"x3" LAG SCREW, (TYP)
4. 4x4 BLOCKING, SECURE TO WALL FRAMING WITH A34 HANGER AT TOP & BOTTOM OF EACH END



NOTE:
1. INSTALL INDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ADDITIONAL BLOCKING AND HARDWARE WHERE REQUIRED BY MANUFACTURER.

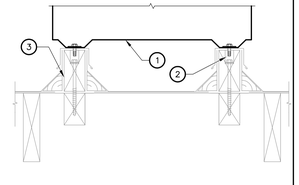
MOSA03B — INDOOR UNIT MOUNTING (WALL MOUNT) — NTS — 3

1. ROOF MOUNTED EXHAUST FAN
2. SECURE FAN TO CURB WITH #12 SM SCREWS, 4 PER SIDE. MIN 2" PENETRATION INTO NAILER.
3. EXISTING CURB.
4. BACKDRAFT DAMPER BY FAN MFR



MEXR01B — ROOF EXHAUST FAN MOUNTING — NTS — 7

1. OUTDOOR CONDENSING UNIT, SEE SCHEDULE
2. 3/8"ø LAG SCREW INTO WOOD NAILER, SILICONE SEAL PENETRATION, WATERTIGHT. MIN 2" PENETRATION INTO NAILER.
3. EXISTING CURB



MOSA02C — OUTDOOR UNIT MOUNTING — NTS — 4

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Job #: 19-2007

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ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA No. M 34661 REN: 12-31-19 MECHANICAL STATE OF CALIFORNIA

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● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

MECHANICAL DETAILS

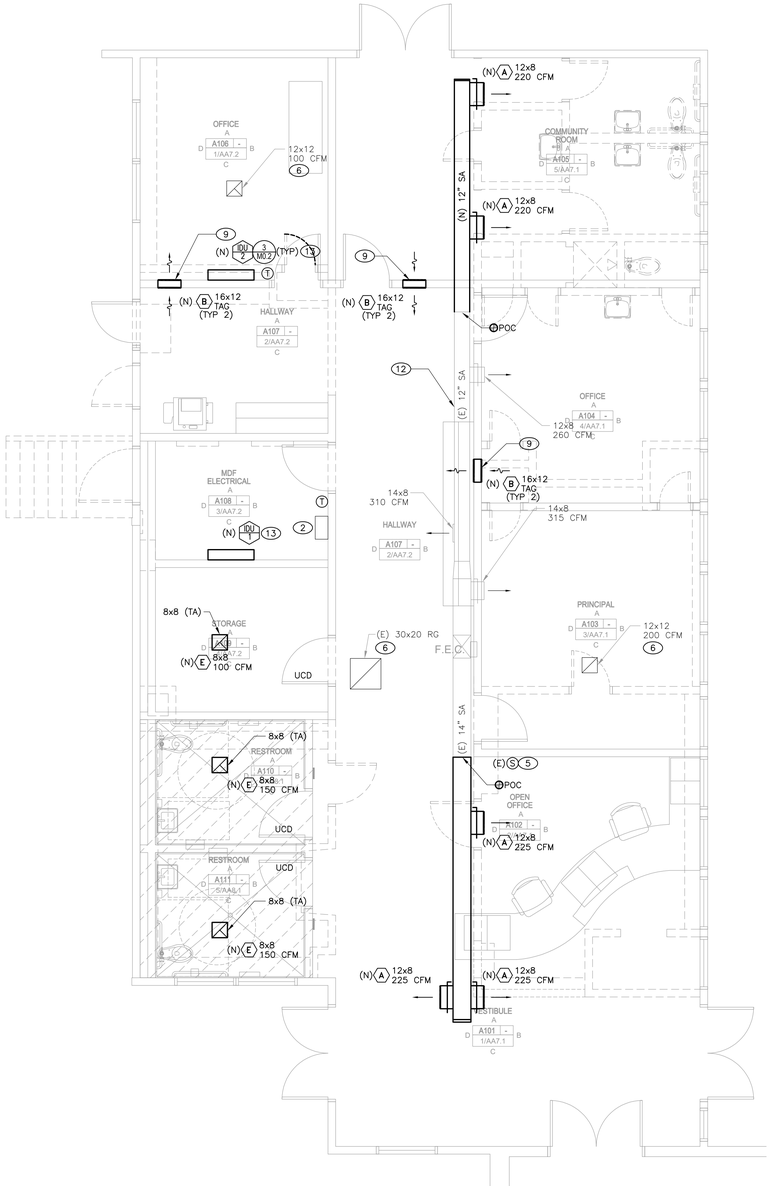
Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number M0.2

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

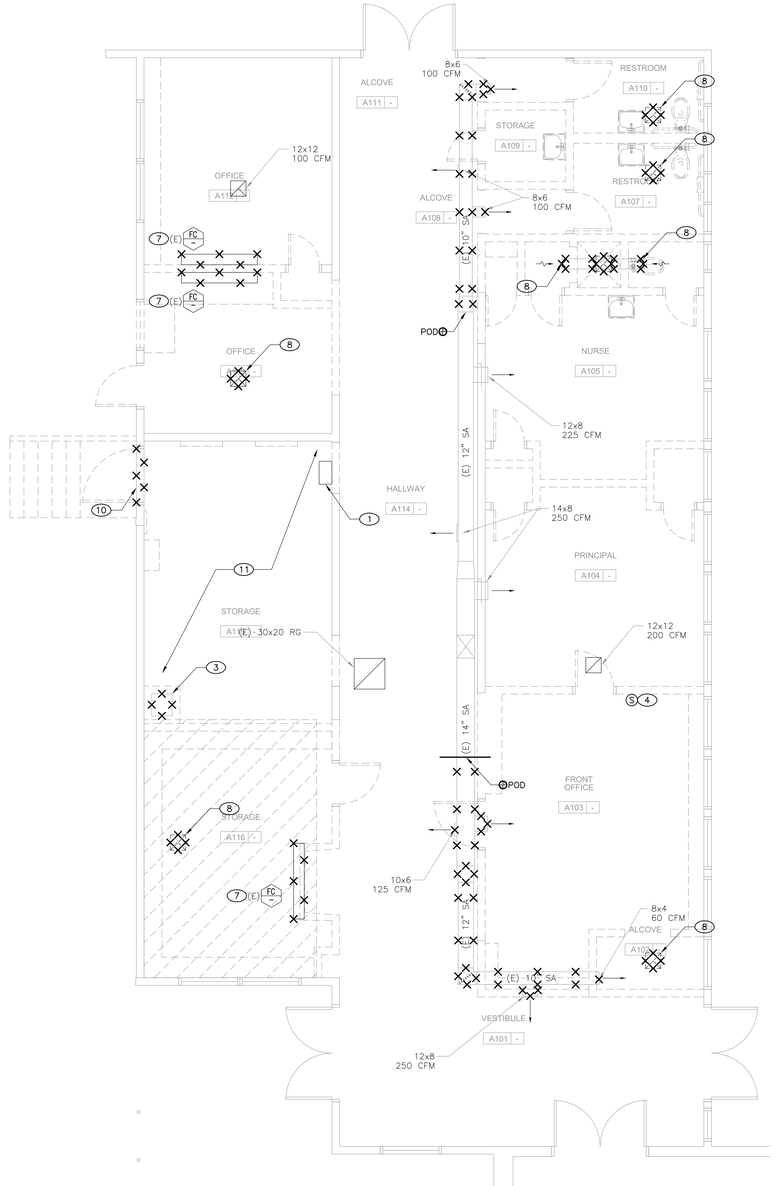
KEY NOTES

1. CONTACT L&H AIRCO TO RELOCATE EXISTING EMS CONTROL PANEL. SEE 2/MA2.1.
2. CONTACT L&H AIRCO FOR RELOCATED EXISTING EMS CONTROL PANEL.
3. REMOVE EXISTING SHEET METAL FLUE/CHIMNEY AND CAP AT ROOF.
4. EXISTING TEMPERATURE SENSOR TO BE RELOCATED.
5. RELOCATED EXISTING TEMPERATURE SENSOR AS SHOWN.
6. CLEAN, PRIME AND PAINT EXISTING GRILLE TO MATCH CEILING.
7. REMOVE EXISTING FAN COIL AND RELATED CONTROLS AND PIPING.
8. REMOVE EXISTING GRILLE AND RELATED DUCTWORK.
9. PROVIDE NEW TAG UP HIGH IN WALL.
10. REMOVE EXISTING WALL LOUVER. INFILL OPENING TO MATCH EXISTING.
11. REMOVE ALL MECHANICAL COMPONENTS, UNLESS OTHERWISE NOTED.
12. CLEAN, PRIME AND PAINT DUCTWORK. COLOR BY ARCHITECTURE, TYPICAL.
13. BOTTOM OF IDU MIN 6'-8" AFF.



BUILDING A - MECHANICAL NEW PLAN 2

SCALE: 1/4" = 1'-0"



BUILDING A - MECHANICAL DEMOLITION PLAN 1

SCALE: 1/4" = 1'-0"

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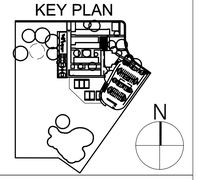
KEY PLAN



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WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING A MECHANICAL FLOOR PLANS

Date
03/18/19

Drawing Number
MA2.1

Scale
AS NOTED

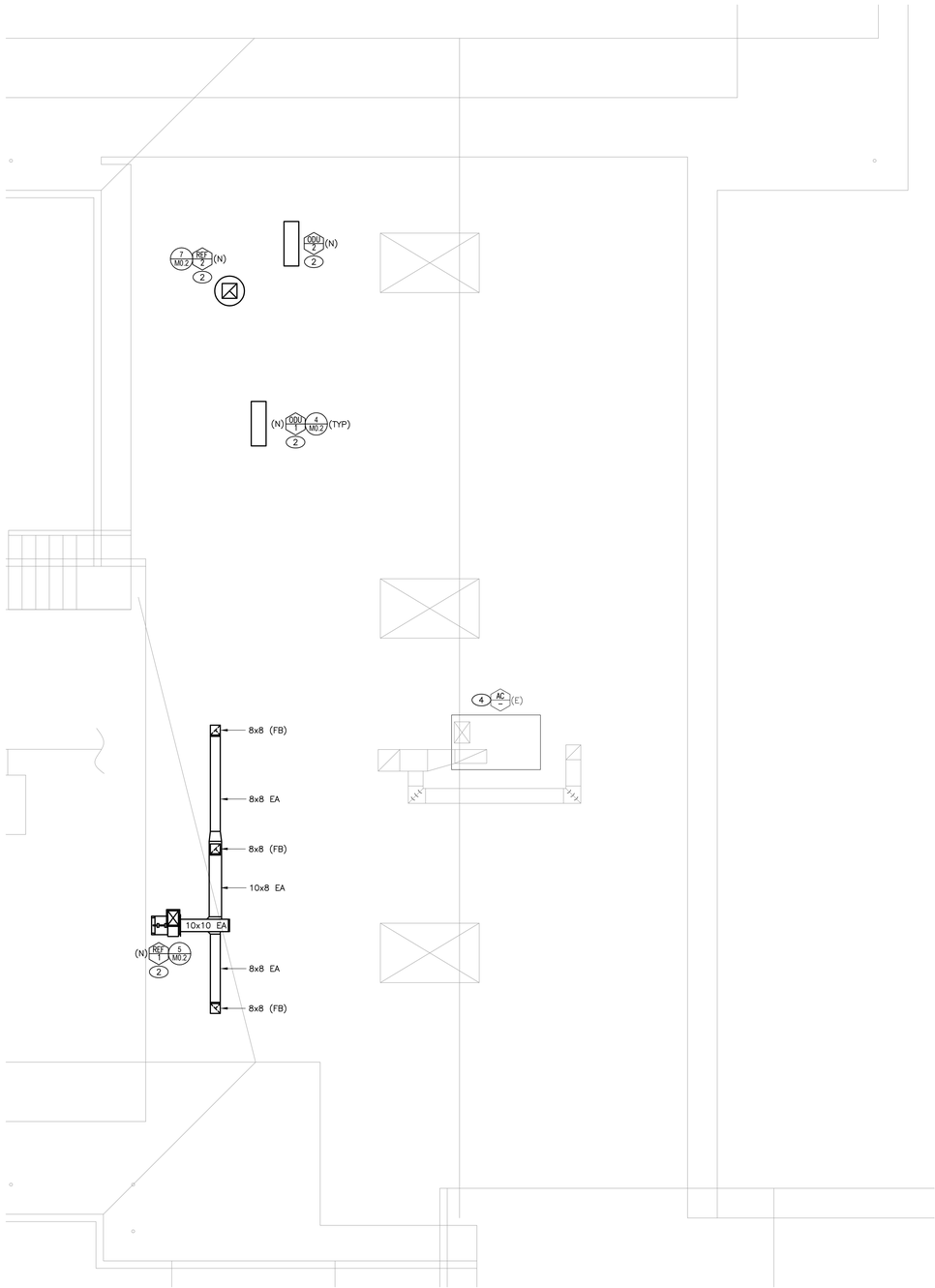
Project Number
19003.1

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

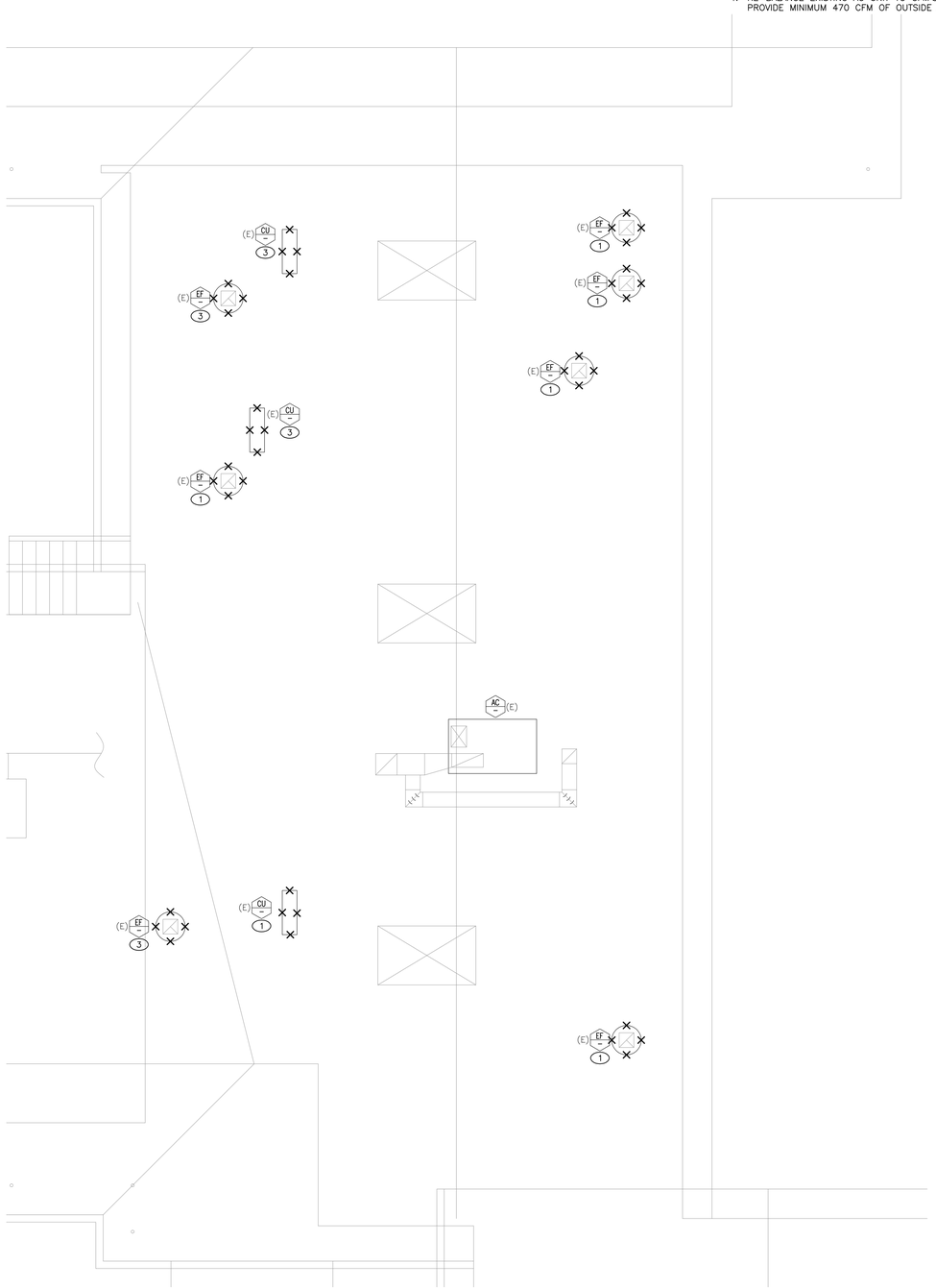
KEY NOTES

1. EXISTING EQUIPMENT TO BE REMOVED AND DISCARDED. EXISTING CURB TO REMAIN, CAP ROOF CURB WEATHER-TIGHT WITH SHEET METAL CAP.
2. MOUNT NEW EQUIPMENT ON EXISTING CURB. MODIFY EXISTING CURB FOR NEW EXHAUST FANS.
3. EXISTING EQUIPMENT TO BE REMOVED AND DISCARDED, EXISTING ROOF CURB TO REMAIN FOR NEW EQUIPMENT.
4. RE-BALANCE EXISTING AC UNIT TO CFM'S SHOWN ON 2/MA2.1. PROVIDE MINIMUM 470 CFM OF OUTSIDE AIR.



MECHANICAL ROOF PLAN 2

SCALE: 1/8" = 1'-0"



MECHANICAL DEMOLITION ROOF PLAN 1

SCALE: 1/4" = 1'-0"

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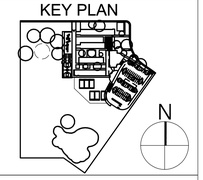
KEY PLAN



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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING A MECHANICAL ROOF PLANS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

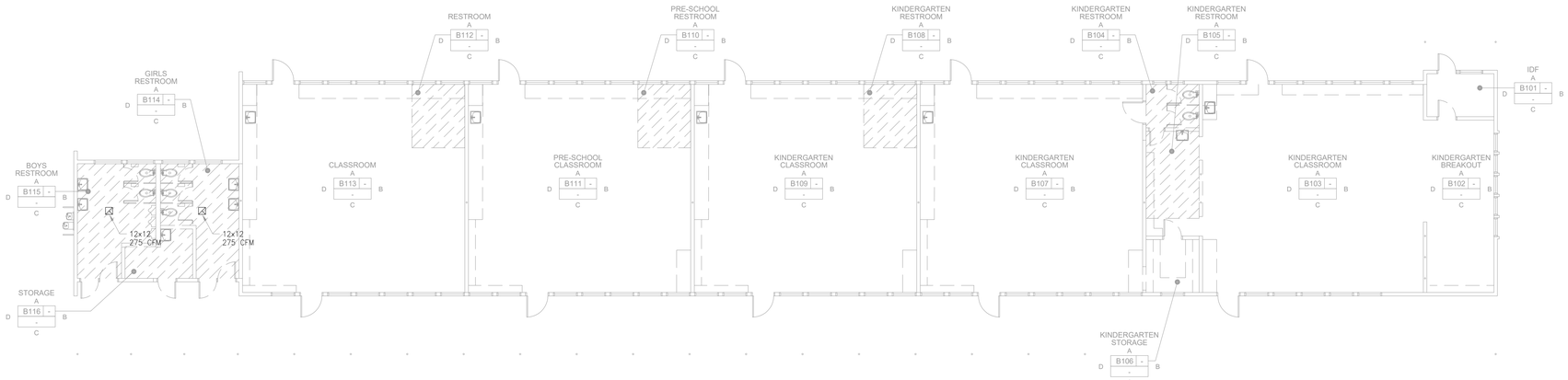
Drawing Number
MA3.1

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

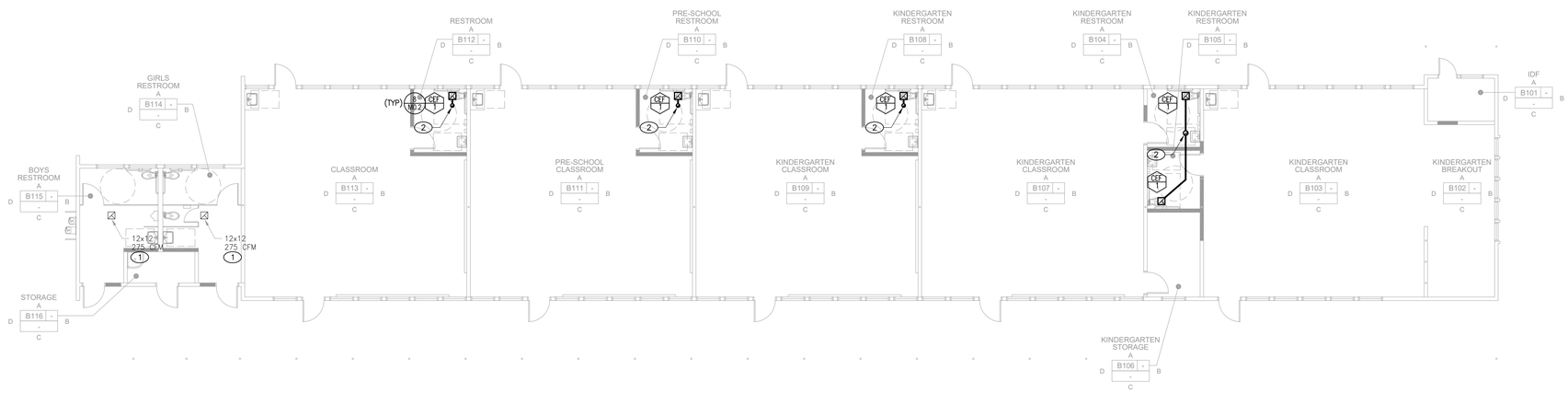
KEY NOTES

1. CLEAN, PRIME AND PAINT EXISTING GRILLE TO MATCH CEILING.
2. EA UP THROUGH ROOF WITH CAP AND FLASHING. MAINTAIN MINIMUM OF 10ft FROM OSA INTAKE.



BUILDING B - MECHANICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING B - MECHANICAL PLAN 2

SCALE: 1/8" = 1'-0"

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN: 12-31-19 MECHANICAL STATE OF CALIFORNIA

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○ BIDDING	
○ CONSTRUCTION	

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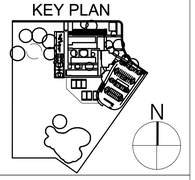

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING B MECHANICAL PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
MB2.1

GENERAL NOTES

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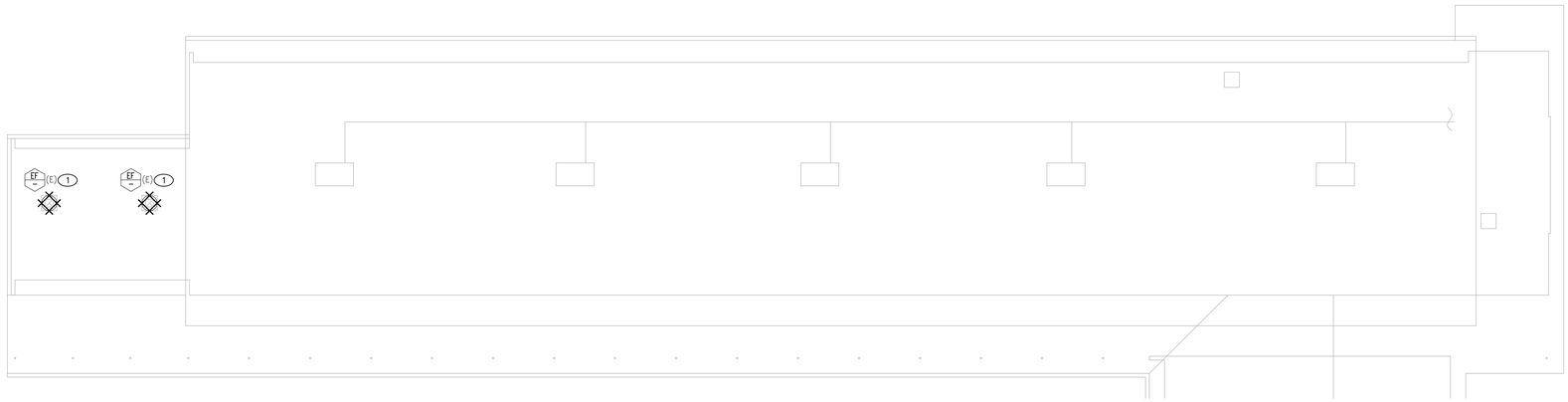
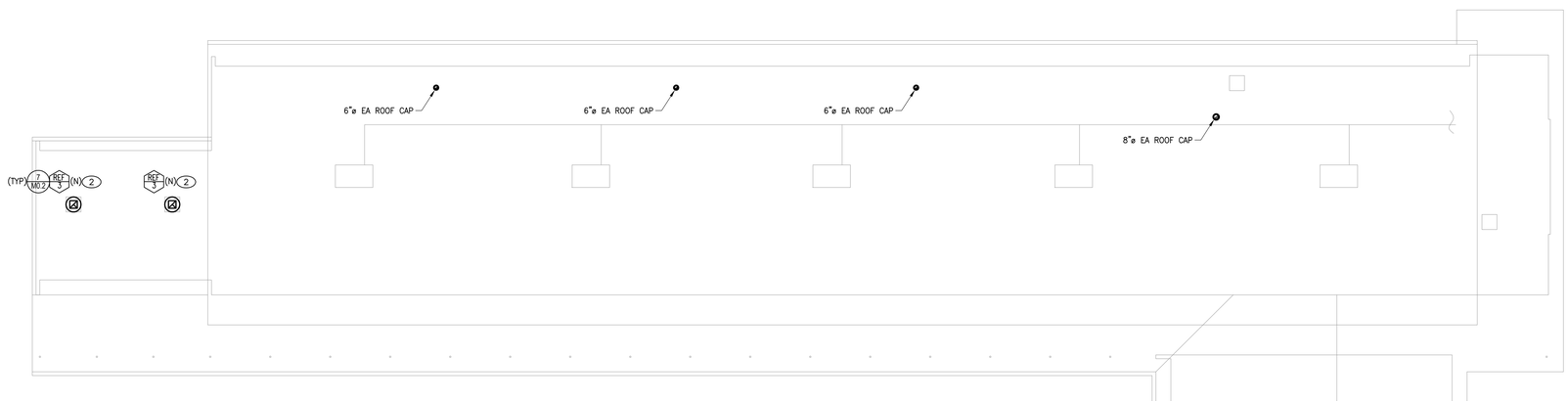


BUILDING B - MECHANICAL DEMOLITION ROOF PLAN 1

SCALE: 1/8" = 1'-0"



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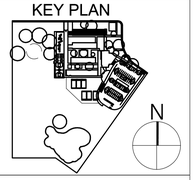

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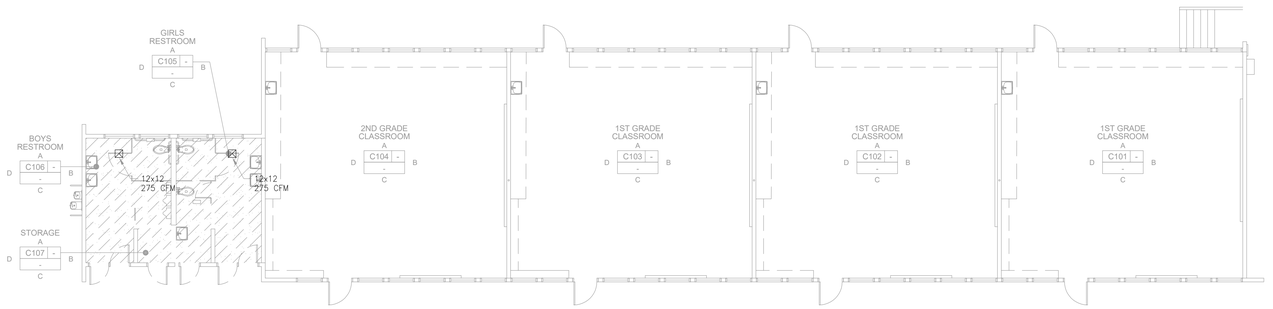
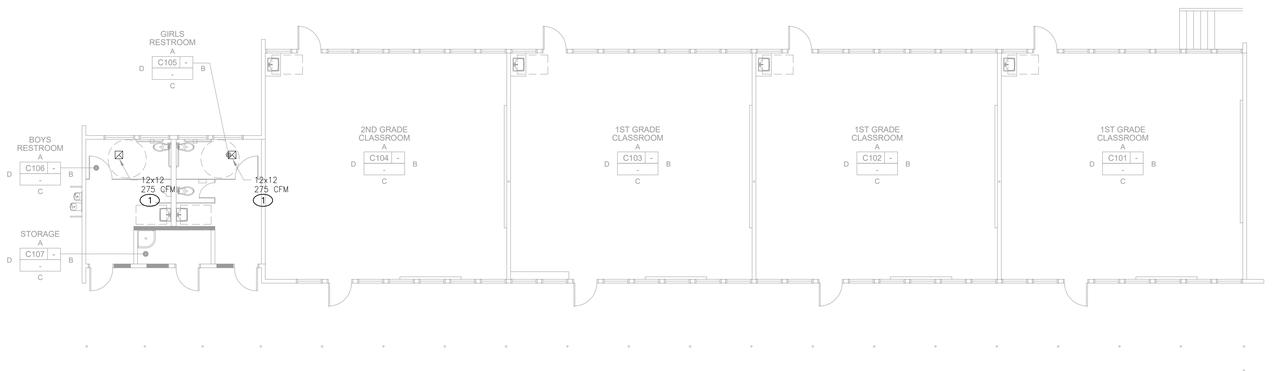


BUILDING C - MECHANICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING C - MECHANICAL PLAN 2

SCALE: 1/8" = 1'-0"

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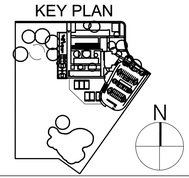

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BUILDING C
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03/18/19

Scale
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Project Number
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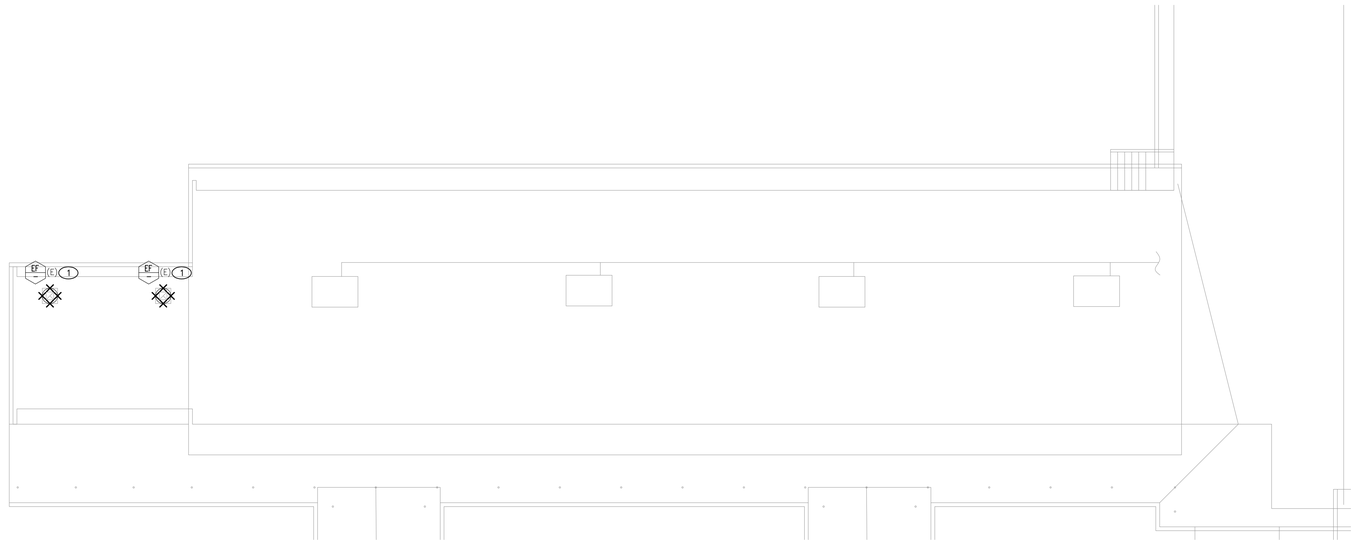
Drawing Number
MC2.1



BUILDING C - MECHANICAL DEMOLITION ROOF PLAN 1

SCALE: 1/8" = 1'-0"

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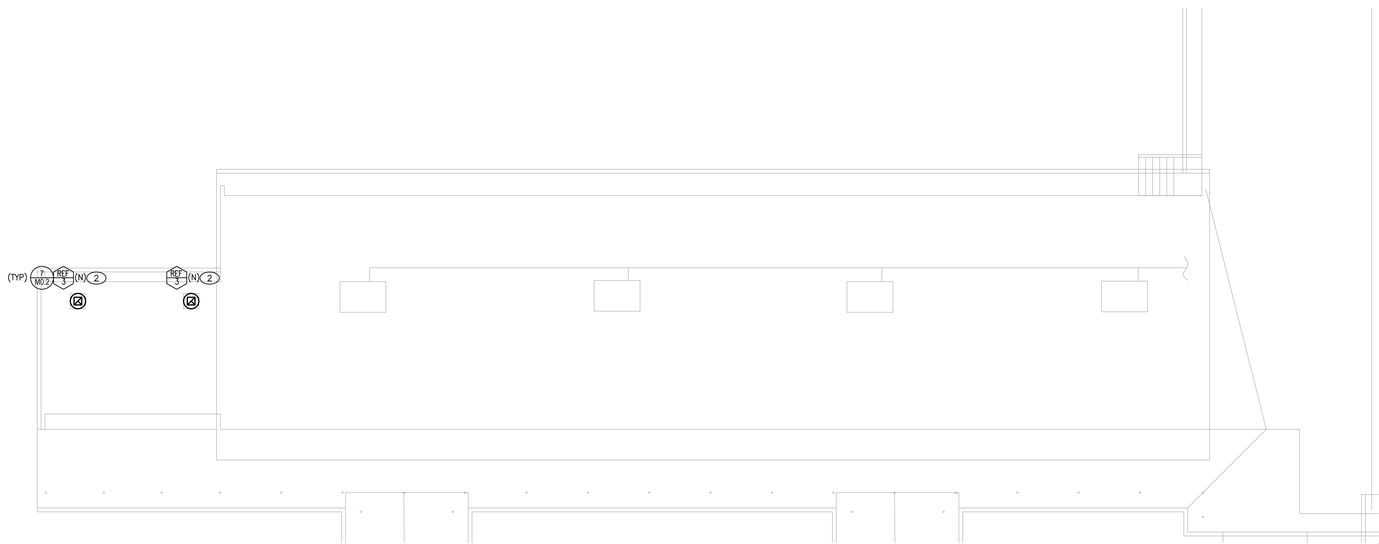

BUILDING C - MECHANICAL ROOF PLAN 2

SCALE: 1/8" = 1'-0"

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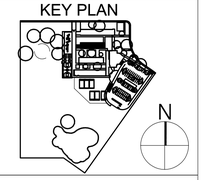

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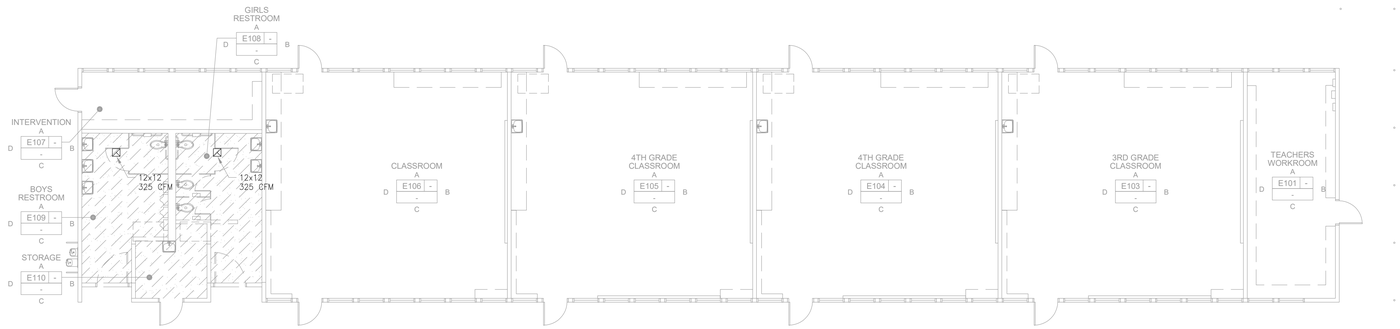
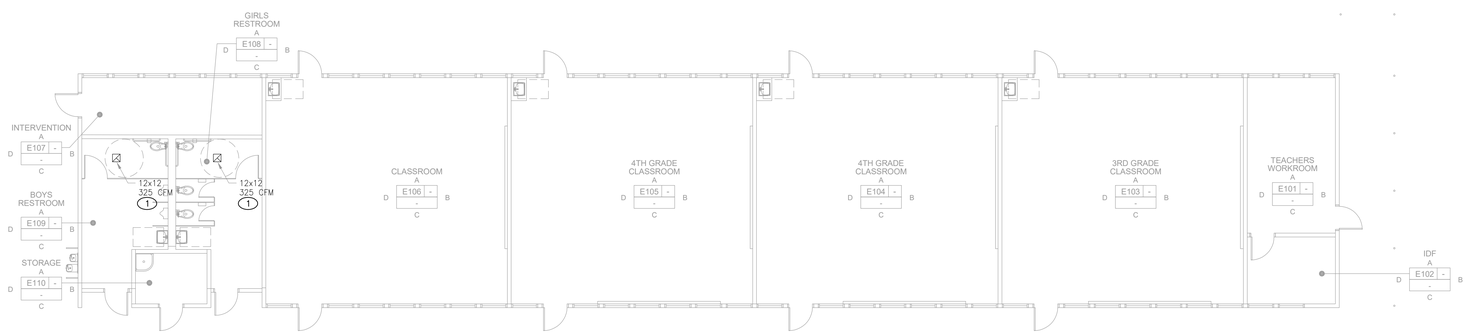


BUILDING E - MECHANICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



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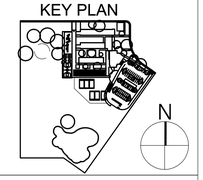

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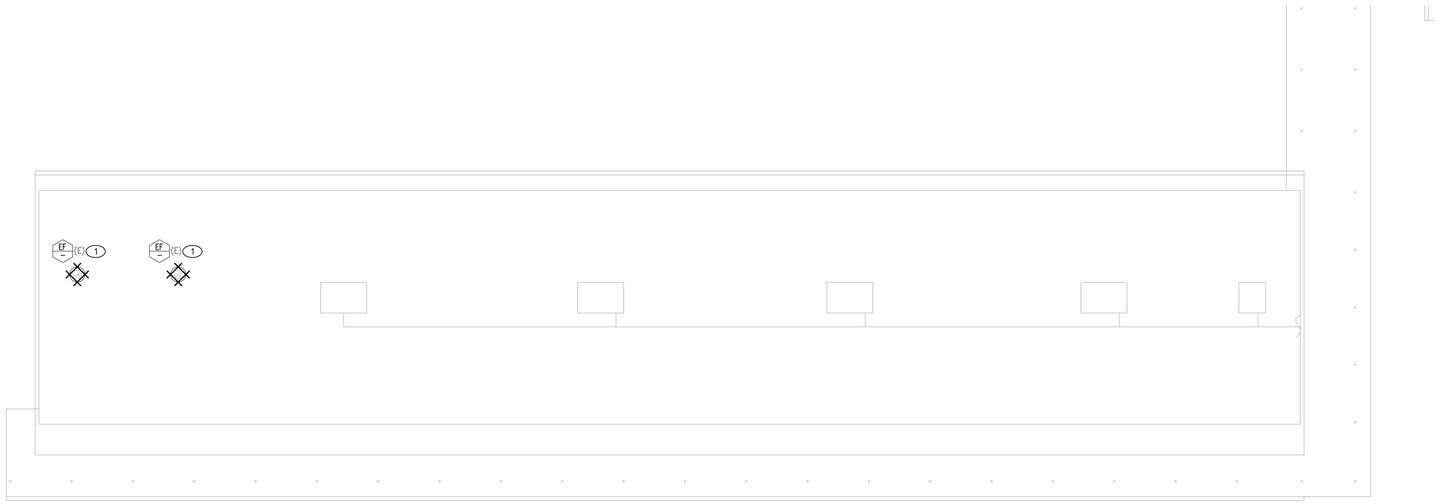

BUILDING E - MECHANICAL DEMOLITION ROOF PLAN 1

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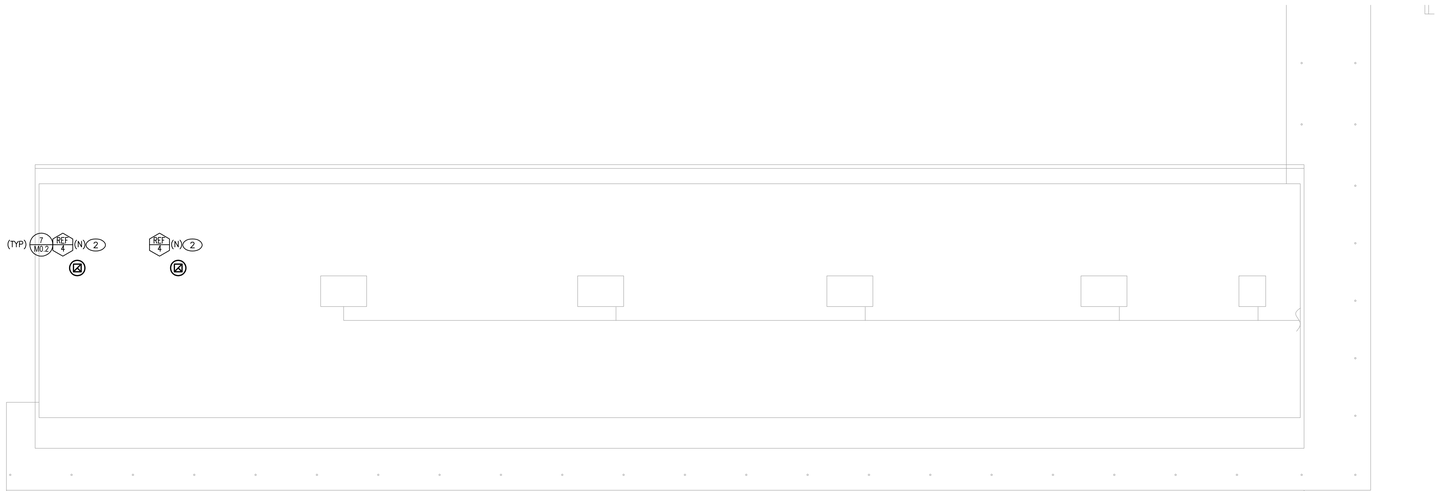

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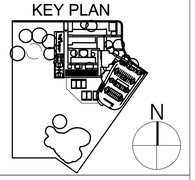

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WATER AND WASTE MAINS CALCULATIONS

JOB NAME: Westmore ES DATE 03/12/19

USE	FIXTURE TYPE	NO.	WASTE FU	WASTE TOTAL	WATER BOTH FU	WATER BOTH TOTAL	WATER CW FU	WATER HW FU	WATER TOTAL
U	BAR SINK	17	1	17	2	1.5	1.5		34
U	DRINKING FOUNTAIN	3	0.5	1.5	0.5	0.5			1.5
	LAVATORY (SINGLE)	13	1	13	1	0.8	0.8		13
U	SERVICE SINK	3	3	9	3	2.3	2.3		9
U	URINAL	4	2	8	4	4.0			16
U	WATER CLOSET, FLUSH VALVE	17	4	68	5	5.0			85
	TOTAL FIXTURE UNITS			116.5				42.0	158.5
	EQUIVALENT COLD WATER FLOW RATE (GPM):								82
	ADDITIONAL WATER DEMAND LOAD (GPM)								
	AVAILABLE STATIC PRESSURE IN WATER MAIN (PSI)								55
	PRESSURE BOOSTER PUMP								0
	MINIMUM REQUIRED FIXTURE PRESSURE (PSI):								25
	ELEVATION RISE (FT):								5
	METER LOSS (PSI):								4.0
	BACKFLOW PREVENTER LOSS (PSI):								11.0
	ADDITIONAL LOSSES (PSI):								0
	EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE FIXTURE (FT):								900
	FRICTION LOSS PRESSURE AVAILABLE (PSI):								12.83
	MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT):								1.43
	WATER FLOW VELOCITY (FPS):								3.88
	CALCULATED FRICTION HEAD LOSS (PSI/100 FT):								1.01
	MINIMUM REQUIRED 'WATER' PIPE SIZE (INCHES):								3
	MINIMUM REQUIRED 'WASTE' PIPE SIZE (INCHES):								4
	(CALCULATIONS PER THE UPC/CPC)								

WATER PIPE SIZING CHART

PIPE SIZES CALCULATED BASED ON UPC/CPC APPENDIX A

SIZE: TYPE L COPPER		COLD WATER				HOT WATER		
NOMINAL DIAMETER	INTERNAL DIAMETER	GPM	FIXTURE UNITS FPS	TANK	VALVE	GPM	FPS	FIXTURE UNITS
1/2"	0.545	1.2	1.6	**1**	**0**	1.2	1.6	**1**
3/4"	0.785	3.1	2.0	**3**	**0**	3.1	2.0	**3**
1"	1.025	6.2	2.4	**7**	**0**	6.2	2.4	**7**
1-1/4"	1.265	10.7	2.7	**15**	**0**	10.7	2.7	**15**
1-1/2"	1.505	16.9	3.1	**24**	**0**	16.9	3.1	**24**
2"	1.985	35.1	3.6	**66**	**20**	35.1	3.6	**66**
2-1/2"	2.465	62.0	4.2	**185**	**82**	62.0	4.2	**185**
3"	2.945	99.0	4.7	**375**	**240**	99.0	4.7	**375**

WASTE AND VENT SIZING CHART

PIPE SIZES BASED ON UPC/CPC CHAPTER 7

SIZE	WASTE FIXT UNITS 1/4"S.LOPE	1/8"S.LOPE	VENT PIPING VERT	FU	HORIZ LENGTH	TOTAL LENGTH
1-1/4	1	-	1	1	15	45
1-1/2	1	-	2	8	20	60
2	8	-	16	24	40	120
2-1/2	14	-	32	48	60	180
3	35	-	48	81	70	212
4	216	173	256	256	100	300

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	S or W	V	CW	HW	DESCRIPTION
WC 1	WATER CLOSET CBC ACCESS	4"	2"	1-1/2"	---	AMERICAN STANDARD #3461.001.020 HET TOILET, 16-1/2" HIGH, VITREOUS CHINA, FLOOR MOUNT. CENTOCO #AM500STSCCSS TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC WITH ANTIMICROBIAL SURFACE, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES. SLOAN ROYAL #ROYAL 111-1.28-CP, EXPOSED MANUAL FLUSHOMETER, POLISHED CHROME FINISH, 1.28 GPF. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC 2	WATER CLOSET	4"	2"	1-1/2"	---	AMERICAN STANDARD #3451.001.020 HET TOILET, 15" HIGH, VITREOUS CHINA, FLOOR MOUNT. CENTOCO #AM500STSCCS TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC WITH ANTIMICROBIAL SURFACE, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES. SLOAN ROYAL #ROYAL 111-1.28-CP, EXPOSED MANUAL FLUSHOMETER, POLISHED CHROME FINISH, 1.28 GPF. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
WC 3	WATER CLOSET CBC ACCESS (KINDER)	4"	2"	1-1/2"	---	AMERICAN STANDARD MADERA YOUTH FLOWISE 14" HEIGHT ELONGATED FLUSHOMETER TOILET # 5001.100, 15" SEAT HEIGHT AFF. VITREOUS CHINA, WHITE FINISH, FLOOR MOUNT, AMERICAN STANDARD TOILET SEAT, HEAVY DUTY, OPEN FRONT, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, SLOAN ROYAL #ROYAL111-1.28-CP, EXPOSED MANUAL FLUSHOMETER, POLISHED CHROME FINISH, 1.28 GPF. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
U 1	URINAL CBC ACCESS	2"	2"	1-1/2"	---	AMERICAN STANDARD PINTBROOK #6002.001.020 URINAL, WALL HUNG, WHITE FINISH. SLOAN ROYAL #ROYAL 186-0.125-CP, EXPOSED MANUAL FLUSHOMETER, POLISHED CHROME FINISH, 0.125 GPF. WATTS #CA-321, FIXTURE CARRIER, MOUNTED ON CONCRETE FLOOR. WATTS #CO-380-RD URINAL WALL ACCESS CLEANOUT. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
L 1	LAVATORY CBC ACCESS	2"	1-1/2"	1/2"	---	AMERICAN STANDARD LUCERNE #0355.012.020 LAVATORY, SINGLE HOLE, 20-1/2" X 18-1/4" X 12-1/8" HIGH, VITREOUS CHINA, WHITE FINISH, WALL HUNG. CHICAGO FAUCET # 807-E12-665PAB METERING FAUCET, RUN TIME TO BE SET TO 10 SECONDS (MIN.), POLISHED CHROME FINISH. POWERS #LFE480, POINT OF USE THERMOSTATIC MIXING VALVE, LEAD-FREE BRASS BODY. FACTORY SET TEMPERATURE AT 105.8 °F. MCGUIRE #155WC OFFSET OPEN GRID DRAIN. MCGUIRE PROWRAP #PW2000WC SANITARY COVERING VANDAL-RESISTANT. WATTS #WCA-411 LAVATORY CARRIER. PROVIDE, SUPPLIES, STOPS AND P-TRAP. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS.
L 2	LAVATORY CBC ACCESS	2"	1-1/2"	1/2"	---	AMERICAN STANDARD LUCERNE #0355.012.020 LAVATORY, SINGLE HOLE, 20-1/2" X 18-1/4" X 12-1/8" HIGH, VITREOUS CHINA, WHITE FINISH, WALL HUNG. CHICAGO FAUCET # 807-E12-665PAB METERING FAUCET, RUN TIME TO BE SET TO 10 SECONDS (MIN.), POLISHED CHROME FINISH. MCGUIRE #155WC OFFSET OPEN GRID DRAIN. MCGUIRE PROWRAP #PW2000WC SANITARY COVERING VANDAL-RESISTANT. WATTS #WCA-411 LAVATORY CARRIER. PROVIDE, SUPPLIES, STOPS AND P-TRAP. INSTALL IN ACCORDANCE WITH CBC ACCESS REQUIREMENTS.
S 1	SINK CBC ACCESS	2"	1-1/2"	1/2"	1/2"	ELKAY #CDKAD251755C , COUNTERTOP MOUNT SINK, 25"x17"x5-1/2", 304 STAINLESS STEEL, SINGLE BOWL, WITH ELKAY #LKD208513LC FAUCET, #LK35 DRAIN KIT AND #LK1141A BUBBLER. LEAD-FREE 1/4 TURN ANGLE STOPS. INSTALL PER CBC ACCESSIBILITY REQUIREMENTS. ALL WATER SUPPLY TUBING, FIXTURES AND APPURTENANCES TO BE CA AB-1953 COMPLIANT.
JS 1	JANITOR SINK	3"	2"	3/4"	3/4"	FIAT #TSBC1611501 MOP SINK, 32" X 32" X 12" HIGH DEEP, FLOOR MOUNTED, TERRAZZO COMPOSED, ONE PIECE STAINLESS STEEL CAST INTEGRAL ON THRESHOLD, 6" STAINLESS STEEL DROP FRONT, INTEGRAL STAINLESS STEEL DRAIN ASSEMBLY AND STRAINER PLATE, 3" OUTLET. FIAT #830-AA WALL MOUNTED TWO HANDLES FAUCET, CHROME PLATED FINISH, WALL MOUNT 8" CENTERSET, CAST BRASS BODY, 6.0 GPM UNRESTRICTED HOSE END OUTLET, 6" PROJECTION SPOUT WITH ATMOSPHERIC VACUUM BREAKER AND BUCKET HOOK, 9-5/16" FROM WALL TO OUTLET REACH, CROSS HANDLE, TOP BRACE. FIAT MSG3232000 BACK SPLASH PANEL. PROVIDE P-TRAP, SAME MATERIAL AS THE CONNECTING PIPE DRAIN.
TP 1	TRAP PRIMER	---	---	1/2"	---	PRECISION PLUMBING PRODUCTS, INC. #PO-500 PRIME-RITE. PROVIDE 12 X 12 ACCESS DOOR FOR CONCEALED UNIT. COORDINATE ACCESS DOOR LOCATION WITH ARCHITECTURAL INTERIOR ELEVATIONS AND FINISHES.
FD 1	FLOOR DRAIN	2"	1-1/2"	TP	---	JR SMITH MODEL 2005Y, 5" DIAMETER ROUND NICKEL BRONZE TOP WITH 2" PIPE, FLANGE AND SEEPAGE PAN. PROVIDE TRAP PRIMER CONNECTION.
IWH 1	INSTANTANEOUS WATER HEATER	---	---	1/2"	1/2"	CHRONOMITE #SR-40/208 INSTANTANEOUS WATER HEATER, 208V/1 PH ELECTRICAL SERVICE, 40 AMPS 8320 WATTS, 57° TEMP. RISE @ 1.0 GPM FLOW RATE. PRESET TEMP. AT 120°F. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. OPER. WT.= 5 LBS.
WHA 1	WATER HAMMER ARRESTOR	---	---	PER SCH.	---	SIOUX CHIEF SERIES 650, TYPE 'L' COPPER TUBE PISTON TYPE WATER HAMMER ARRESTOR, SUITABLE FOR CONCEALED INSTALLATION, SIZE PER PDI REQUIREMENTS. ASSE 1010 LISTED. INSTALL PER MANUFACTURER RECOMMENDATIONS.
WH 1	ELECTRIC WATER HEATER	---	---	3/4"	3/4"	A.O. SMITH MODEL DEL-20, ELECTRIC WATER HEATER, STORAGE TANK TYPE, 20 GALLON CAPACITY, 4.0 KW INPUT, 20 GPH RECOVERY AT 80°F RISE, 208V/1ø, 240 LBS OPER. WT. SET @ 120°F. PROVIDE WITH ET-1,
ET 1	EXPANSION TANK	---	---	1/2"	---	BELL & GOSSETT MODEL PT-5, STEEL SHELL, BUTYL DIAPHRAGM TYPE EXPANSION TANK PRE-CHARGED TO 40 PSI WITH 2.0 GALLON TANK CAPACITY, 0.9 GALLON ACCEPTANCE CAPACITY.

EQUIPMENT 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 WIRED) 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 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND 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 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 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 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 AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

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 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., SMACNA 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.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☒	☐	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☐	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #0043-13. MASON INDUSTRIES OR EQUAL.
☐	☐	☐		OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSPHD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
S 1-1	FIXTURE DESIGNATION UNIT ABBREVIATION NUMBER	
1 P-1	DETAIL DESIGNATION DETAIL NUMBER SHEET NO. WHERE SHOWN	
-CW-	DOMESTIC COLD WATER	CW
-HW-	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER SUPPLY	HWS
	DOMESTIC HOT WATER RETURN	HWR
-V-	VENT	V
G	GAS	G
MG	MEDIUM PRESSURE GAS	MG
LPG	LIQUID PROPANE GAS	LPG
S	SEWER	S
GW	GREASE WASTE	GW
OS	OIL/SAND WASTE	OS
AW	ACID WASTE	AW
SD	STORM DRAIN	SD
RD	ROOF DRAIN	RD
OD	OVERFLOW DRAIN	OD
C	CONDENSATE DRAIN	C
D	SECONDARY DRAIN	D
T&P	TEMPERATURE & PRESSURE RELIEF	T&P
FS	FIRE SPRINKLER	FS
	PIPE CAP	
	PIPE RISER/DROP	(R)/(D)
	SHUT-OFF VALVE IN BOX	SOV
FCO	FLOOR CLEANOUT	FCO
COTG	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	CLEANOUT	CO
	HOSE BIBB	HB
	OVERFLOW DRAIN OUTLET	
	BALL VALVE	BV
	GATE VALVE	GV
	CHECK VALVE	CHK.V
	MIXING VALVE	TMV
	SHUT-OFF COCK	SOC
	CIRCULATION PUMP	CP
	BALANCING VALVE	BLV
	TRAP PRIMER	TP
	TYPICAL	(TYP)
	VENT THRU ROOF	VTR
	UNDERGROUND	UG
	UNDER FLOOR	UF
	ABOVE CEILING	AB.C.
	TO ABOVE/BELOW	TA/TB
	FROM ABOVE/BELOW	FA/FB
	CONTINUATION	CONT.
	NEW	(N)
	EXISTING	(E)
	POINT OF DIS/CONNECTION	POD/POC

PLUMBING SPECIFICATIONS

A. THIS CONTRACTOR SHALL COMPLY WITH ALL CODES AND REGULATIONS IN EFFECT AT THE JOB SITE, INCLUDING, BUT NOT LIMITED TO:
   A.1. 2016 CALIFORNIA BUILDING CODE
   A.2. 2016 CALIFORNIA MECHANICAL CODE
   A.3. 2016 CALIFORNIA PLUMBING CODE
   A.4. 2016 CALIFORNIA ELECTRICAL CODE
   A.5. 2016 CALIFORNIA GREEN BUILDING STANDARDS
   A.6. 2016 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS - TITLE 24
   A.7. NATIONAL FIRE PROTECTION ASSOCIATION
   A.8. CALIFORNIA STATE FIRE MARSHAL
B. ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL AND WORKMANSHIP DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ALL DAMAGED ITEMS INSTALLED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
C. THE PLUMBING CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF OPERATION, MAINTENANCE AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING EQUIPMENT.
D. CHECK AND VERIFY EXISTING CONDITIONS AT THE JOB SITE BEFORE BEGINNING WORK. ADJUST THE LOCATION AND CONFIGURATION OF THE WORK NECESSARY TO SUIT ACTUAL CONDITIONS AND OTHER TRADES. ANY CHANGES REQUIRED MUST FIRST BE APPROVED BY THE ARCHITECT OR ENGINEER.
E. THE LOCATIONS OF EQUIPMENT, PIPING, AND SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. CHANGES REQUIRED TO SUIT EXISTING CONDITIONS AND DUE TO COORDINATION WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST TO THE OWNER.
F. ALL EQUIPMENT IS TO BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER. USING ALL ACCESSORY EQUIPMENT AVAILABLE FROM THE MANUFACTURER FOR SUPPORTS, CONTROLS, ETC., TO MAKE A COMPLETE SYSTEM. ALL EQUIPMENT OR ACCESSORIES NEEDED AND NOT SHOWN OR SPECIFIED SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. ADJUST THE EQUIPMENT FOR PROPER OPERATION, CHECK ALL CONTROLS AND VERIFY THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.

PLUMBING SHEET INDEX

SHEET NO.	SHEET TITLE
P0.1	PLUMBING COVER
P0.2	PLUMBING DETAILS
PA2.1	BUILDING A PLUMBING PLAN
PB2.1	BUILDING B PLUMBING PLAN
PC2.1	BUILDING C PLUMBING PLAN
PD2.1	BUILDING D PLUMBING PLAN
PE2.1	BUILDING E PLUMBING PLAN

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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Job #: 19-2007

ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M. 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

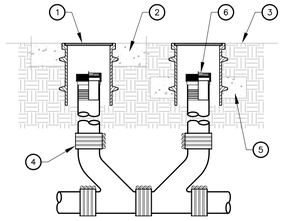
CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

PLUMBING COVER

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number P0.1

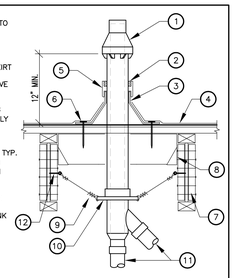
1. CAST IRON CLEANOUT IN DOUBLE FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER (TYP 2)
2. CONCRETE SURFACE, MIN. 4" THICK
3. FINISHED GRADE
4. NO-HUB COUPLING
5. MIN. 18"X18"X4" THICK CONCRETE COLLAR (OMIT WHERE SURFACE CONCRETE OCCURS)
6. CLEAN-OUT PLUG (TYP 2)



DPIC0003A

TWO-WAY CLEANOUT (COTG) | NTS | 5

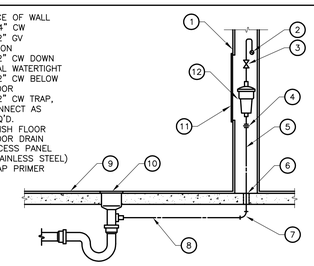
1. CONCENTRIC VENT KIT. PROVIDE ONE-PIECE EXTENSION AS REQUIRED TO ALLOW MINIMUM ROOF CLEARANCE. COORDINATE WITH MANUFACTURER'S REQUIREMENTS.
2. EPOXY SEALING COMPOUND
3. SEAMLESS LEAD FLASHING WITH 8" SKIRT
4. ROOFING, SEE ARCHITECTURAL PLANS
5. CAULK TYPE COUNTER FLASHING SLEEVE WITH VANDAL PROOF SCREWS AND WATERPROOFING COMPOUND
6. SECURE CONE FLASHING TO BLOCKING WITH (4) #12x2 WOOD SCREWS, EVENLY SPACED
7. EXISTING ROOF JOISTS
8. 4x BLOCKING BETWEEN JOISTS WITH SIMPSON U44 HANGER AT EACH END, TYP.
9. 12 GA. WIRE BRACING, (4) TOTAL, (4) TIGHT TURNS WITHIN 1-1/2" AT EACH END, TYP
10. WALL GUIDE
11. 3" CPVC FLUE AND VENT PIPING, SEE PLANS FOR ROUTING
12. 1/4"ø EYE SCREW WITH 2-3/4" SHANK LENGTH, MIN 1-1/4" EMBEDMENT



DPIC0021A

CONCENTRIC VENT THROUGH ROOF | NTS | 6

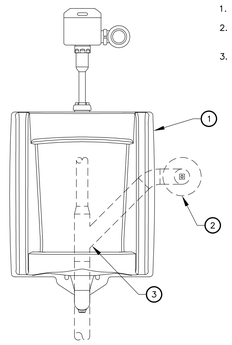
1. FACE OF WALL
2. 3/4" CW
3. 1/2" GV
4. UNION
5. 1/2" CW DOWN
6. SEAL WATERTIGHT
7. 1/2" CW BELOW FLOOR
8. 1/2" CW TRAP, CONNECT AS REQ'D.
9. FINISH FLOOR
10. FLOOR DRAIN
11. ACCESS PANEL (STAINLESS STEEL)
12. TRAP PRIMER



DPIC0002A

TRAP PRIMER PIPING DETAIL | NTS | 7

1. URINAL, SEE FIXTURE SCHEDULE
2. WALL CLEANOUT COVER, CAN BE LOCATED ON EITHER SIDE OF URINAL
3. CLEANOUT SEWER CONNECTION, LOCATE ABOVE URINAL TRAP AND BELOW URINAL VENT CONNECTION

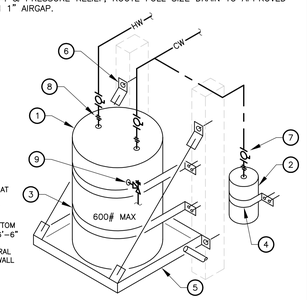


DPIC0058

TYP URINAL CLEANOUT PIPING | NTS | 8

1. WATER HEATER, SEE PLUMBING FIXTURE SCHEDULE
2. EXPANSION TANK, SEE PLUMBING FIXTURE SCHEDULE
3. 2" WIDE 24 GA STEEL STRAP AROUND WATER HEATER. SECURE TO WALL STUDS OR BACKING TRACK WITH (2) 1/4" LAG SCREW WITH MIN. 3" EMBED, EACH END, TYP.
4. 2" WIDE 24 GA STEEL STRAP AROUND EXPANSION TANK. SECURE TO STUDS OR BACKING TRACK WITH (2) 1/4" LAG SCREW WITH MIN. 3" EMBED, EACH END, TYP.
5. HOLDRITE MODEL 50-SWHP-W, WALL MOUNT PLATFORM WITH INTEGRAL DRAIN PAN, ROUTE DRAIN PER PLANS
6. PROVIDE FULL-HEIGHT DOUBLE STUDS AT WALL SUPPORT CONNECTIONS, CONNECT PLATFORM TO STUDS WITH (4) 3/8" X 3" SCREWS. CONNECT DBL STUDS TO EXISTING PLATES AT TOP AND BOTTOM W/ (1)-A34 CLIP EA SIDE OF EACH DBL STUD TYP.
7. BALL VALVE, TYP.
8. UNION, TYP.
9. FULL SIZE TEMP. & PRESSURE RELIEF, ROUTE FULL SIZE DRAIN TO APPROVED RECEPTOR WITH 1" AIRGAP.

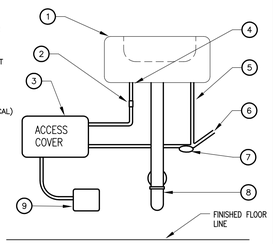
NOTE:
1. INSTALL STRAPS AT TOP 1/3 AND BOTTOM 1/3 OF WATER HEATER.
2. MOUNT WITH BOTTOM OF SHELF AT +6'-6" AFF.
3. SEE ARCHITECTURAL DRAWINGS FOR WALL FRAMING.



DPIC0001A

ELETRIC WATER HEATER ON PLATFORM | NTS | 1

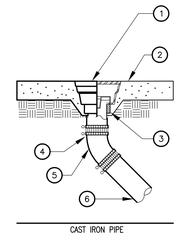
1. SINK
2. FLOW CONTROL
3. INSTANT WATER HEATER MTD. ON WALL BELOW SINK.
4. TO HOT WATER OUTLET
5. TO COLD WATER OUTLET
6. COLD WATER SUPPLY
7. DUAL OUTLET ANGLE VALVE
8. TRAP
9. ELEC. J-BOX AND CONDUIT (SEE ELECTRICAL)



DPIC0029A

INSTANTANEOUS WATER HEATER | NTS | 2

1. ROUND ADJUSTABLE CAST IRON TOP, TRACTOR COVER. SET TOP FLUSH WITH CONCRETE.
2. TOP OF CONCRETE FLOOR.
3. CAULK JOINT WITH LEAD, NO WATER TO STAND ON LIP.
4. S.S. RETAINING CLAMP.
5. C.I. 1/8 BEND.
6. C.I. DRAIN LINE.

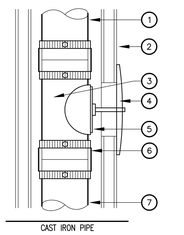


NOTE: SEE SPECIFICATIONS FOR PIPE MATERIAL

DPIC0001A

FLOOR CLEANOUT | NTS | 3

1. VENT STACK
2. FACE OF WALL
3. SANITARY TEE
4. CHROME PLATED COVER & SCREW
5. THREADED PLUG
6. NO-HUB COUPLING STAINLESS STEEL COVER
7. DRAIN LINE



NOTE: SEE SPECIFICATIONS FOR PIPE MATERIAL

DPIC0002A

WALL CLEANOUT | NTS | 4

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Job #: 19-2007

ARCHITECT

LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER

REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M. 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

PLUMBING DETAILS

Date
03/18/19

Drawing Number
P0.2

Scale
AS NOTED

Project Number
19003.1

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
2. SAW CUT EXISTING SLAB TO INSTALL (N) PLUMBING. REPLACE SLAB TO MATCH EXISTING.

KEY NOTES

(1) EXISTING PLUMBING FIXTURE TO BE REMOVED. ALL CW PIPING TO BE REMOVED BACK TO MAIN UNDERGROUND. ALL HW PIPING AND EXISTING WATER HEATER TO BE REMOVED. ALL ABOVE SLAB WASTE PIPING TO BE REMOVED AND CAPPED BELOW SLAB. ALL EXISTING VENT PIPING ABOVE GRADE AND VENTS THRU ROOF TO BE REMOVED, PATCH ROOF TO MATCH EXISTING.

(2) EXISTING WATER HEATER, CIRCULATION PUMP, AND HW/HWR PIPING TO BE REMOVED AND DISCARDED.

(3) EXISTING SUMP PUMP AND ASSOCIATED PIPING TO BE REMOVED AND DISCARDED.

(4) EXISTING FLOOR DRAIN TO BE REMOVED. WASTE PIPING TO BE REMOVED AND CAPPED BELOW SLAB. ALL EXISTING VENT PIPING ABOVE GRADE AND VENTS THRU ROOF TO BE REMOVED, PATCH ROOF TO MATCH EXISTING.

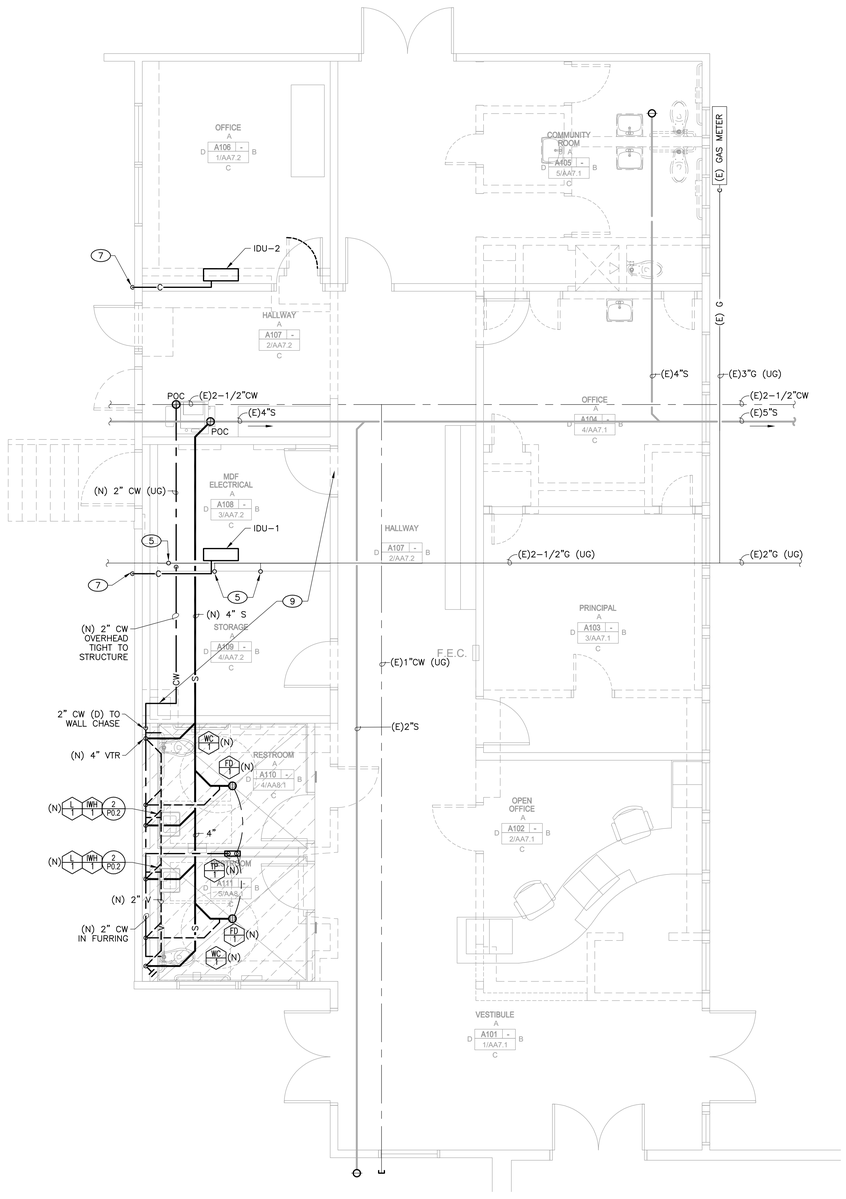
(5) EXISTING GAS PIPING ABOVE GRADE TO BE REMOVED AND DISCARDED, CAP AT FLOOR.

(6) EXISTING CONDENSATE PIPING AND PUMP TO BE REMOVED AND DISCARDED, PATCH ROOF TO MATCH EXISTING.

(7) TERMINATE CONDENSATE PIPE 6" AFF WITH ELBOW DOWN

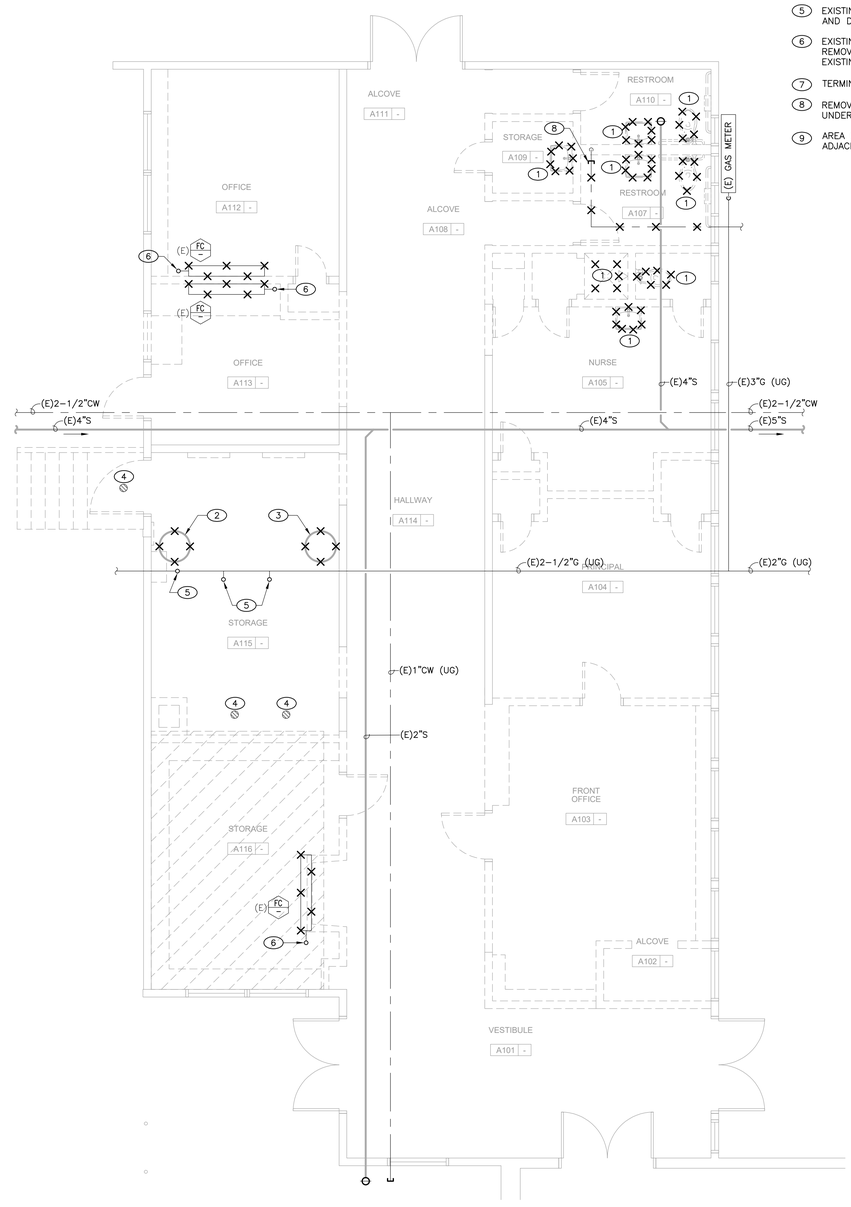
(8) REMOVE ALL CW PIPING ABOVE GRADE, ABANDON (E) CW UNDER FLOOR. CAP PIPING BELOW FINISHED SLAB

(9) AREA OF OLD BASEMENT TO BE FILLED AND RAISED TO ADJACENT FINISHED FLOOR.



BUILDING A - PLUMBING NEW PLAN 2

SCALE: 1/4" = 1'-0"



BUILDING A - PLUMBING DEMO PLAN 1

SCALE: 1/4" = 1'-0"

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ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA No. M 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

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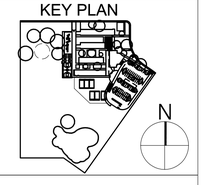
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING A PLUMBING PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
PA2.1

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
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KEY NOTES

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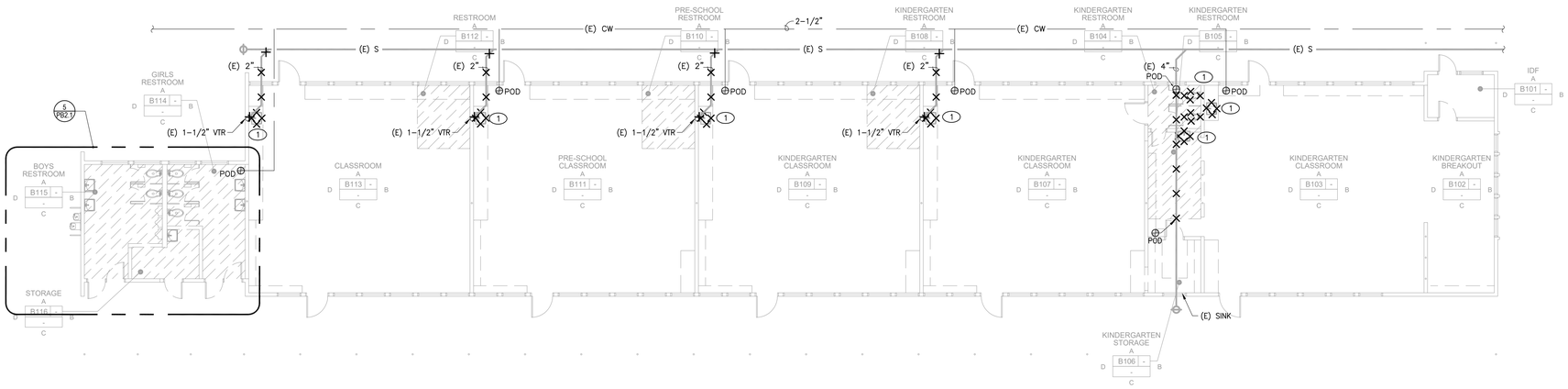
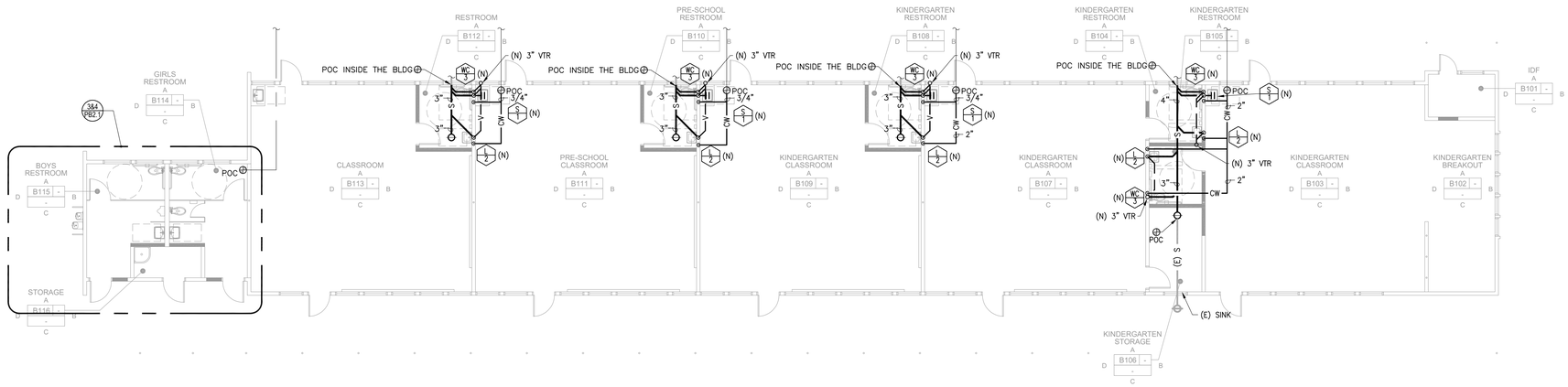
(2) EXISTING DRINKING FOUNTAIN TO BE REMOVED AND REINSTALLED FOR CONNECTION TO (N) PIPING



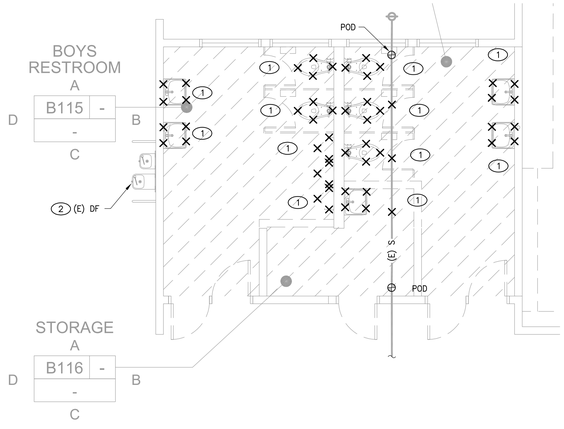
BUILDING B - PLUMBING DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



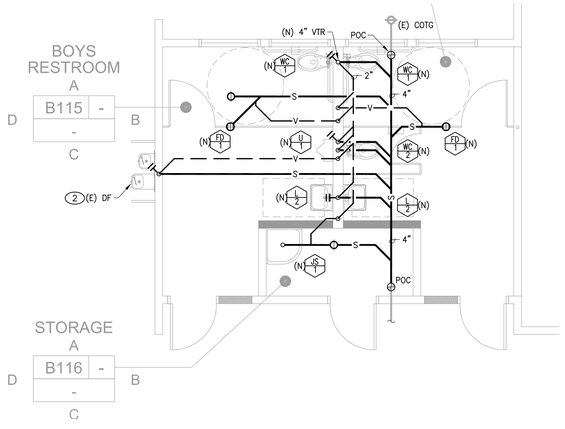
BUILDING B -PLUMBING NEW PLAN 2

SCALE: 1/8" = 1'-0"



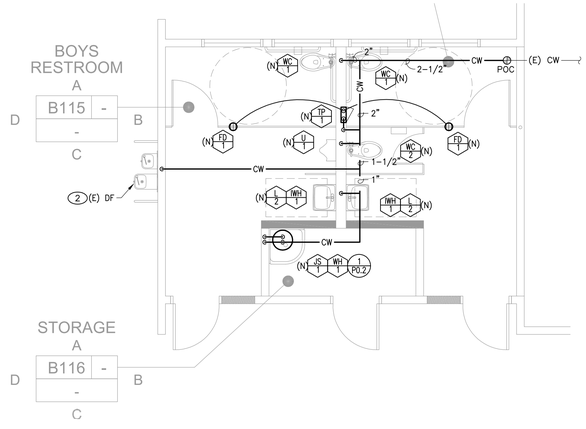
ENLARGED DEMO PLUMBING PLAN 5

SCALE: 1/4" = 1'-0"



ENLARGED WASTE+VENT NEW PLUMBING PLAN 4

SCALE: 1/4" = 1'-0"



ENLARGED WATER+GAS NEW PLUMBING PLAN 3

SCALE: 1/4" = 1'-0"

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ARCHITECT	ENGINEER
LICENSED ARCHITECT BRIAN P WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA	REGISTERED PROFESSIONAL ENGINEER JASON DEDORA No. M 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

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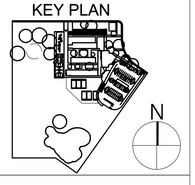
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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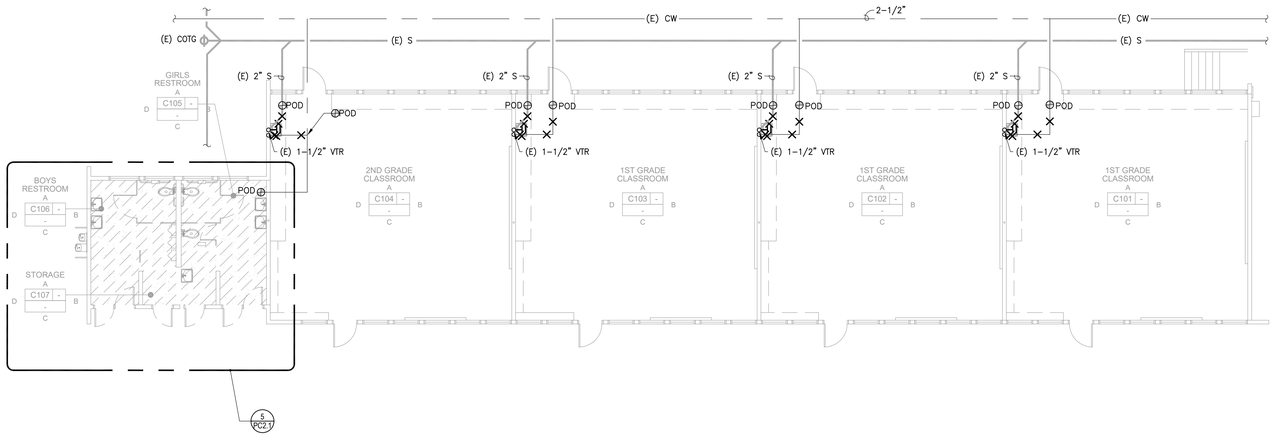
BUILDING B
PLUMBING PLAN

Date
03/18/19

Scale
AS NOTED

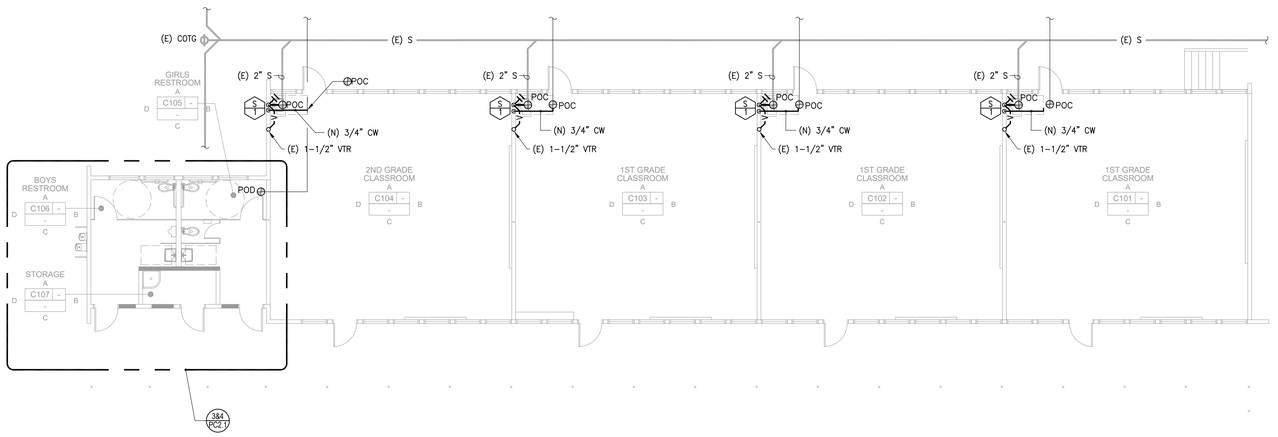
Project Number
19003.1

Drawing Number
PB2.1



BUILDING C - PLUMBING DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING C - PLUMBING NEW PLAN 2

SCALE: 1/8" = 1'-0"

GENERAL NOTES

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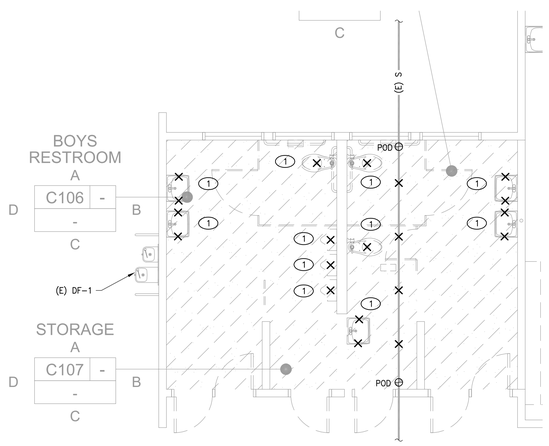
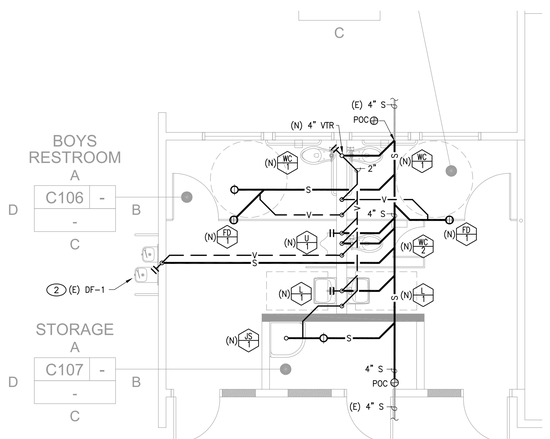


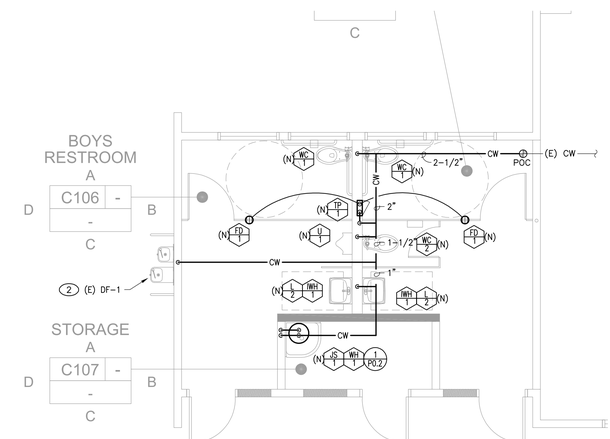
ENLARGED DEMO PLUMBING PLAN 5

SCALE: 1/4" = 1'-0"



WASTE+VENT ENLARGED NEW PLUMBING PLAN 4

SCALE: 1/4" = 1'-0"



WATER+GAS ENLARGED NEW PLUMBING PLAN 3

SCALE: 1/4" = 1'-0"

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ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

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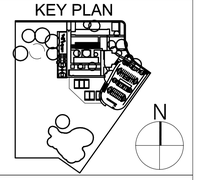
○ CONSTRUCTION	

KEY PLAN



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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING C
PLUMBING PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1

Drawing Number PC2.1

GENERAL NOTES

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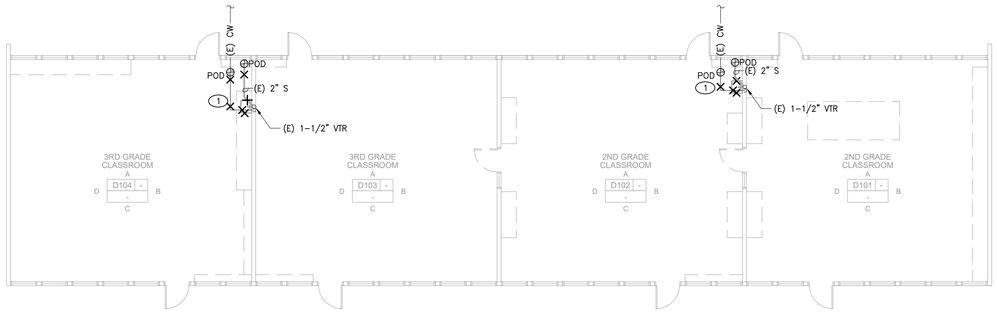
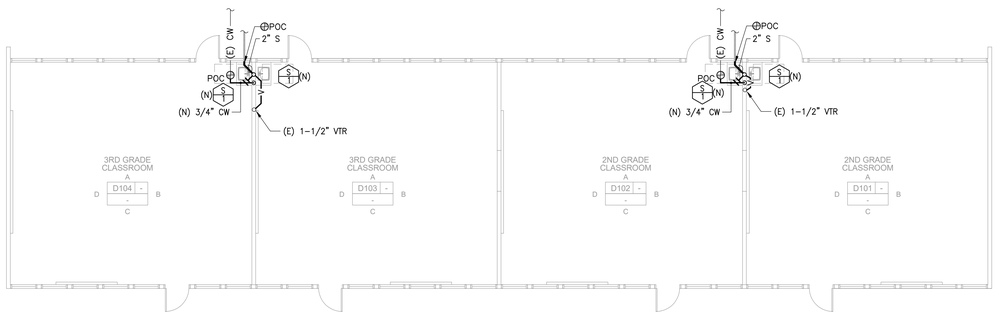


BUILDING D - PLUMBING DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING D - PLUMBING NEW PLAN 2

SCALE: 1/8" = 1'-0"

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ARCHITECT

LICENSED ARCHITECT
BRIAN P. WHITMORE
No. C 30345
Ren.: 9/30/19
STATE OF CALIFORNIA

ENGINEER

REGISTERED PROFESSIONAL ENGINEER
JASON DEDORA
M 34661
EXP. 12-31-19
MECHANICAL
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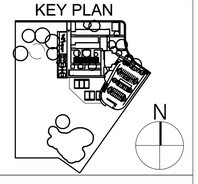

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WEST SACRAMENTO, CA 95691

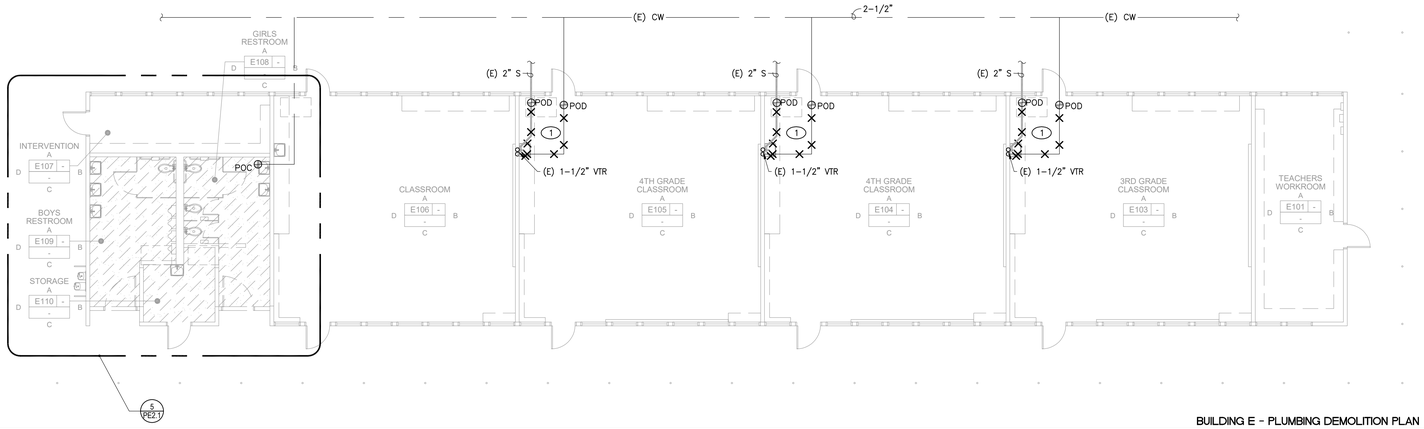
BUILDING D
PLUMBING PLAN

Date
03/18/19

Drawing Number
PD2.1

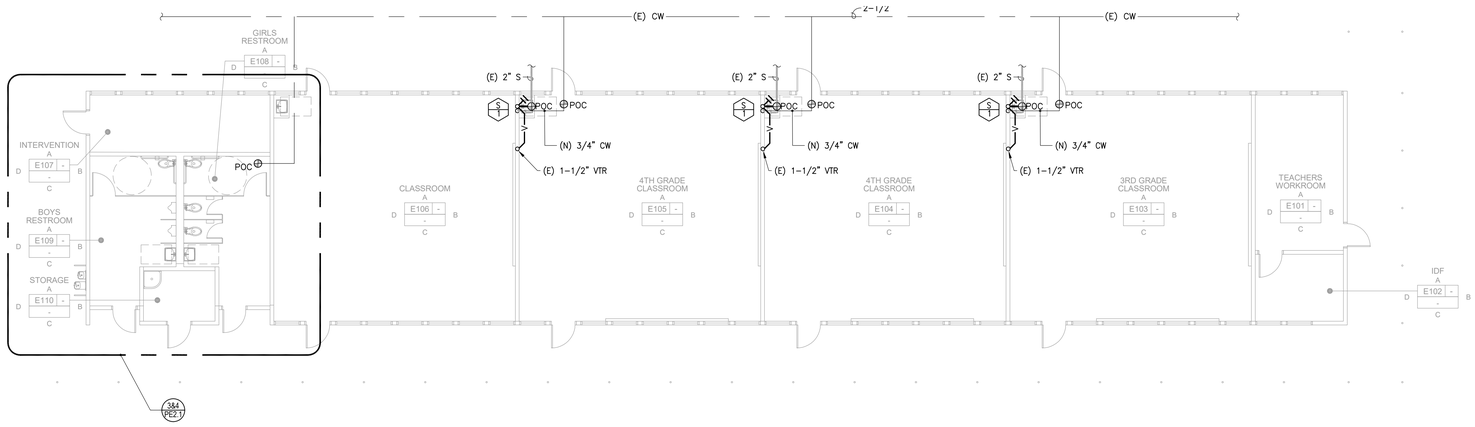
Scale
AS NOTED

Project Number
19003.1



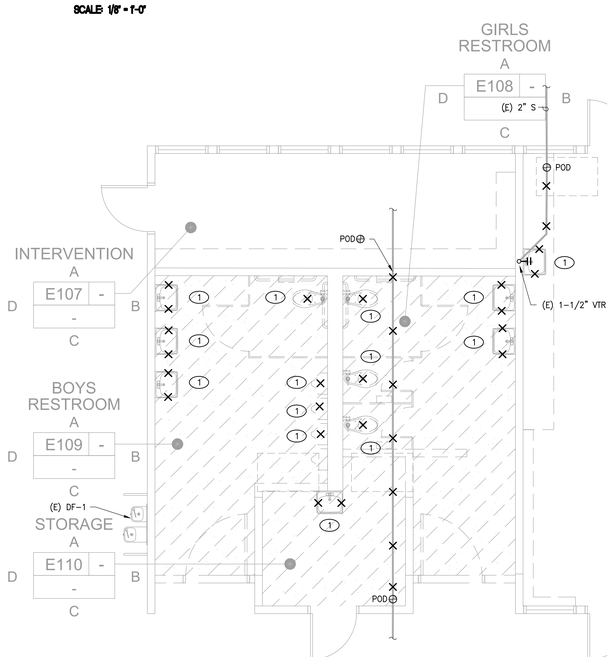
BUILDING E - PLUMBING DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



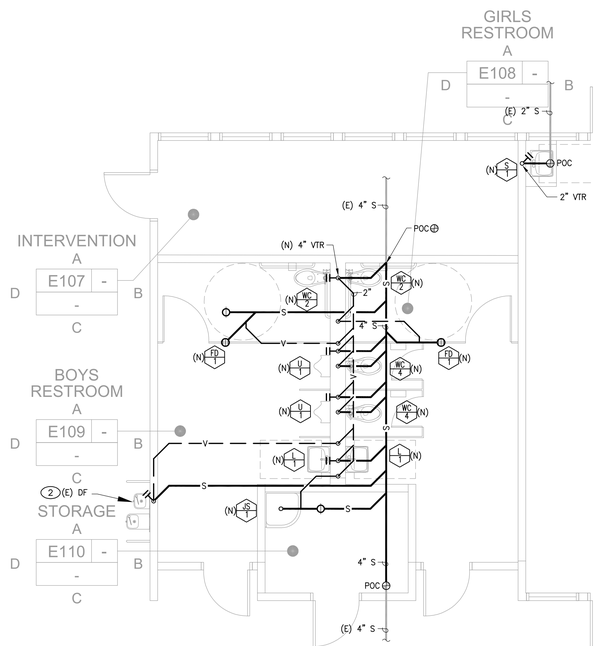
BUILDING E - PLUMBING NEW PLAN 2

SCALE: 1/8" = 1'-0"



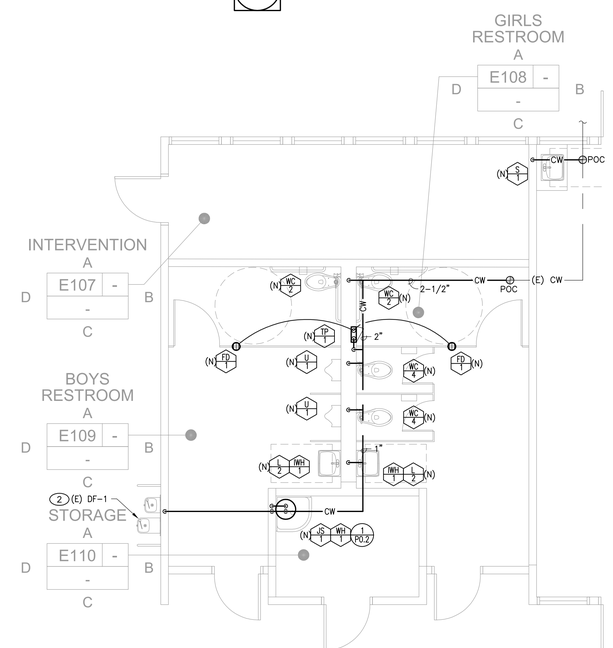
ENLARGED DEMO PLUMBING PLAN 5

SCALE: 1/4" = 1'-0"



WASTE+VENT ENLARGED NEW PLUMBING PLAN 4

SCALE: 1/4" = 1'-0"



WATER+GAS ENLARGED NEW PLUMBING PLAN 3

SCALE: 1/4" = 1'-0"

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2. SAW CUT EXISTING SLAB TO INSTALL NEW PLUMBING. REPLACE SLAB TO MATCH EXISTING.

KEY NOTES

(1) EXISTING PLUMBING FIXTURE TO BE REMOVED. ALL CW PIPING TO BE REMOVED BACK TO MAIN UNDERGROUND. ALL HW PIPING AND EXISTING WATER HEATER TO BE REMOVED. ALL ABOVE SLAB WASTE PIPING TO BE REMOVED AND CAPPED BELOW SLAB. ALL EXISTING VENT PIPING ABOVE GRADE AND VENTS THRU ROOF TO BE REMOVED, PATCH ROOF TO MATCH EXISTING.

(2) EXISTING DRINKING FOUNTAIN TO BE REMOVED AND REINSTALLED FOR CONNECTION TO NEW PIPING.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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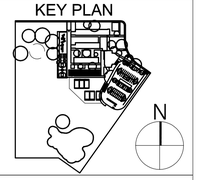
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
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WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING E
PLUMBING PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
PE2.1

GENERAL NOTES

ALL GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. THESE GENERAL NOTES ARE INTENDED TO ASSIST THE CONTRACTOR IN THE EXECUTION OF THE ELECTRICAL WORK AND TO BE INCLUDED IN CONJUNCTION WITH THE CONTRACT DOCUMENT DRAWINGS AND SPECIFICATION REQUIREMENTS. SOME OF THE GENERAL NOTES ARE EXCERPTS FROM THE SPECIFICATION.
2. PROCURE PERMITS AND LICENSES REQUIRED. PAY ALL NECESSARY FEES AND ARRANGE FOR INSPECTIONS REQUIRED BY LOCAL CODES, ORDINANCES, AND UTILITY COMPANIES.
3. COORDINATE ALL ELECTRICAL SERVICES WITH THE RESPECTIVE UTILITY COMPANIES AND PROVIDE ALL TRENCHING, CONDUITS, WIRING, METER FACILITIES AND OUTLETS REQUIRED BY THEM.
4. WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING WITH THE ACCEPTANCE OF THE ARCHITECT.
5. INSTALL ALL EQUIPMENT, CONDUITS, OUTLETS, AND FIXTURES IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES (CEC, STATE, COUNTY, AND CITY).
6. DO NOT SCALE PLANS FOR FIXTURES, DEVICES, OR APPLIANCE LOCATIONS. USE FIGURED DIMENSIONS IF GIVEN OR CHECK MECHANICAL AND ARCHITECTURAL PLANS. ALSO REFER TO ACTUAL ON-SITE CONDITIONS.
7. ALL MATERIAL AND EQUIPMENT IS TO BE LISTED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND CEC 110.3.
8. ALL ELECTRICAL DEVICES , EQUIPMENT, FIXTURES, CONDUITS, AND WIRING SHOWN ON THESE PLANS ARE NEW, UNLESS OTHERWISE NOTED.
9. OUTLET BOXES INSTALLED IN FIRE WALLS SHALL BE ONE-PIECE STEEL AND INSTALLED IN SEPARATE (STAGGERED) STUD PENETRATIONS, MINIMUM 24 INCHES HORIZONTAL SEPARATION. FIRE WALLS SHALL BE MADE IN ACCORDANCE WITH CBC AND ELECTRICAL CODES.
10. THE FINAL LOCATION OF ALL OUTLETS SHALL BE VERIFIED WITH THE ARCHITECT AND/OR OWNER AT TIME OF CONSTRUCTION.
11. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED.
12. CONTRACTOR SHALL VERIFY THAT ALL LIGHTING FIXTURES, CEILING TRIMS, AND FRAMES ARE COMPATIBLE WITH CEILING SYSTEM INSTALLED.
13. CONTRACTOR SHALL COORDINATE LIGHT FIXTURE LOCATIONS AND INSTALLATIONS WITH THE MECHANICAL CONTRACTOR. MAINTAIN REQUIRED CLEARANCES (MINIMUM 3 INCHES, PER CEC 410.116) BETWEEN THE LIGHT FIXTURES AND MECHANICAL DUCTS OR EQUIPMENT FOR PROPER OPERATION, INSTALLATION AND/OR REMOVAL OF FIXTURES.
14. BEFORE SUBMITTING FOR ARCHITECT'S REVIEW AND PLACING ORDER FOR THE LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE VOLTAGE OF ALL THE LIGHTING FIXTURES TO MATCH THE VOLTAGE OF THE SERVICE PANEL, WHETHER THE VOLTAGE FOR THE LIGHT FIXTURES ARE SHOWN ON THE PLAN OR NOT.
15. PLACEMENT AND CIRCUITING OF EXIT SIGNS AND EGRESS LIGHTING SHALL COMPLY WITH CBC REQUIREMENTS.
16. ALL CONDUIT SHALL BE ROUTED CONCEALED UNLESS NOTED ON PLAN OR ACCEPTED BY THE ARCHITECT.
17. PROVIDE ALL NECESSARY SLEEVES AND INSERTS FOR ALL WORK PASSING THROUGH OR ATTACHING TO WALLS, FLOORS, OR CEILINGS.
18. ALL WIRING SHALL BE INSTALLED IN RIGID METALLIC CONDUIT, UNLESS OTHERWISE NOTED. CONDUITS INSTALLED CONCEALED IN WALL AND CEILING MAY BE EMT WITH STEEL COMPRESSION TYPE FITTINGS. PVC WHERE INSTALLED UNDERGROUND AND/OR UNDER SLAB. ALL EXPOSED CONDUITS SHALL BE RIGID STEEL CONDUITS WITH THREADED TYPE FITTINGS. INSTALL ALL CONDUITS IN ACCORDANCE WITH CEC STANDARDS OF INSTALLATION.
19. ELECTRICAL NON-METALLIC TUBING (ENT) AND MC CABLE ARE NOT PERMITTED TO BE USED FOR THIS PROJECT, NO EXCEPTIONS.
20. WHERE EXISTING CONDUITS, CONCEALED OR EXPOSED, AND (WIREMOLD) SURFACE RACEWAY IS NOT IN PLACE AS SHOWN ON PLANS, PROVIDE NEW CONDUITS AND (WIREMOLD) SURFACE RACEWAY FOR THE NEW WORK. VERIFY EXISTING CONDITION ON SITE AND PROVIDE ALL NECESSARY NEW MATERIAL, APPARATUS, AND WORK THAT IS REQUIRED TO BE INCLUDED IN THE BID PACKAGE.
21. CONDUCTORS, #8 AND LARGER, SHALL BE STRANDED COPPER WITH THNN/THWN INSULATION, UNLESS OTHERWISE NOTED.
22. PROVIDE WORKING CLEARANCE PER CEC 110.26 FOR SERVICE PANEL, SUBPANELS, MOTOR DISCONNECT SWITCHES, CONTROL SECTIONS, HVAC EQUIPMENT, APPLIANCES, ETC.
23. PROVIDE A WARNING LABEL (SIGN) CLEARLY VISIBLE TO QUALIFIED PERSONS TO COMPLY WITH NEC AND CEC 110.16 OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AT SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT PER CEC SECTION 110.24(A).
24. BUILDING SERVICE AND SUBPANELS TO COMPLY WITH CEC 110.9 AND 110.10 INTERRUPTING RATING AND BRACING. PROVIDE A.I.C. CALCULATIONS FOR SUBPANELS IF INTERRUPTING RATING TO BE USED IS LOWER THAN MAIN SERVICE RATING.
25. ALL APPLIANCES SHALL COMPLY WITH CEC ARTICLE 422. APPLIANCE CONTROL AND PROTECTION PER CEC 422-III; BRANCH CIRCUITS PER 422-II.
26. BUILDING EXPANSION JOINTS MAY OR MAY NOT BE INDICATED ON THE ELECTRICAL DRAWINGS. VERIFY THE LOCATIONS OF ALL APPLICABLE BUILDING EXPANSION JOINTS WITH THE ARCHITECTURAL DRAWINGS. WIRING METHODS ACROSS EXPANSIONS JOINTS SHALL INCLUDE USE OF FLEXIBLE FITTINGS OR OTHER DEVICES AS APPROPRIATE TO EACH APPLICATION. IN NO CASE SHALL CONDUIT CROSS SUCH A JOINT IN BUILDING CONSTRUCTION WITHOUT USE OF THE APPROPRIATE WIRING METHODS.
27. CONTRACTOR SHALL SIZE ALL THE INTERIOR AND EXTERIOR BUILDING PULL BOXES AND UNDERGROUND PULL BOXES PER CEC 314.16 AND COMPLY WITH CEC 314.28 FOR INSTALLATION OF RACEWAYS AND WIRING AS REQUIRED BY CODE, UNLESS OTHERWISE NOTED.
28. WHERE ACCESSIBILITY IS NOT AVAILABLE TO ELECTRICAL OUTLETS, DEVICES AND/OR EQUIPMENT, COORDINATE WITH THE ARCHITECT FOR PROVISIONS TO PROVIDE ACCESSIBILITY TO THEM.
29. CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE MECHANICAL DRAWINGS AND PROVIDING ALL CONDUITS, CONTROL WIRING, AND POWER WIRING SHOWN ON THE MECHANICAL DRAWINGS THAT IS NOT SHOWN ON THE ELECTRICAL PLANS.
30. CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS AND COORDINATE FOR THE EQUIPMENT LOCATIONS. COORDINATE ROOF PENETRATION WITH THE MECHANICAL CONTRACTOR FOR MECHANICAL CONNECTIONS. ENTER ROOF MOUNTED UNITS THROUGH EQUIPMENT MOUNTING CURES WHERE POSSIBLE. VERIFY ON-SITE.
31. PROVIDE CONVENIENCE OUTLET WITHIN 25 FEET OF MECHANICAL EQUIPMENT PER U.M.C. WHERE LOCATED OUTSIDE, PROVIDE WEATHER PROOF AND GFCI CONVENIENCE OUTLET. SECURE ROOF MOUNTED OUTLET TO THE MECHANICAL EQUIPMENT. VERIFY LOCATION IN FIELD WITH THE MECHANICAL CONTRACTOR.
32. VERIFY SINGLE-POINT CONNECTIONS TO ROOF MOUNTED HVAC UNITS WITH MECHANICAL CONTRACTOR ON-SITE PRIOR TO ELECTRICAL ROUGH-IN. PROVIDE DUAL DISCONNECTS IF TWO-POINT CONNECTION IS REQUIRED, WHETHER SHOWN ON PLANS OR NOT.
33. SWITCH DEVICES CONTROLLING MECHANICAL EQUIPMENT SHALL BE OF SIZE AND TYPE REQUIRED AND SHALL BE SERVED WITH QUANTITY OF WIRES AS REQUIRED. REFER TO DIVISION 15 MECHANICAL PLANS AND SPECIFICATIONS.
34. COORDINATE THE HVAC EQUIPMENT FOR FUSES REQUIRED. WHERE FUSES ARE REQUIRED, VERIFY FUSE SIZE ON-SITE AND PROVIDE FOR HVAC EQUIPMENT PER UNIT NAMEPLATE SPECIFICATIONS.
35. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-IX AND 440-II.
36. MOTOR STARTERS FOR HVAC EQUIPMENT ARE PROVIDED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
37. ALL CONNECTIONS FROM THE DISCONNECT SWITCHES TO HVAC UNITS SHALL BE COPPER CONDUCTORS. MOTOR DISCONNECT SWITCHES SHALL COMPLY WITH CEC 430-VII, 430-VIII, AND 440-II.
38. CONTRACTOR VERIFY LOCATION AND HEIGHT OF ALL MECHANICAL OR FIXTURE EQUIPMENT OUTLETS WITH SUPPLIER PRIOR TO ANY ROUGH-IN WORK. PROVIDE ALL RUNS AND CONNECTIONS TO EQUIPMENT.
39. ALL TERMINATION PROVISIONS OF EQUIPMENT, INCLUDING CIRCUITS RATED 100 AMPERES OR LESS, SHALL BE RATED AT 60 DEGREE, CENTIGRADE PER CEC 110.14(c).
40. ALL LIGHT FIXTURES INSTALLED OVER FOOD HANDLING OR FOOD PREPARATION AREAS, OPEN FOOD STORAGE, AND UTENSIL WASHING AREAS SHALL BE OF SHATTERPROOF CONSTRUCTION OR SHALL BE PROTECTED WITH SHATTERPROOF SHIELDS AND SHALL BE READILY CLEANABLE.

DEMOLITION GENERAL NOTES

ALL DEMOLITION GENERAL NOTES SHOWN BELOW ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. EXISTING ELECTRICAL MAIN SERVICE IS BEING REPLACED WITH NEW THAT IS TO BE INCLUDED IN THE SCOPE OF WORK. CONTRACTOR SHALL VERIFY AND COORDINATE THE SEQUENCE OF WORK WITH THE LOCAL UTILITY COMPANY, THE OWNER/DISTRICT'S REPRESENTATIVE, AND OTHER TRADES AT THE EARLIEST START OF CONSTRUCTION FOR ALL REQUIREMENTS AND SCHEDULING OF THE REQUIRED WORK FOR A SMOOTH AND TIMELY TRANSFORMATION FROM THE EXISTING SERVICE TO THE NEW SERVICE TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY. LIMIT THE ELECTRICAL SHUTDOWN TO A MINIMUM SO IT WILL NOT AFFECT THE EXISTING FACILITY'S NORMAL DAILY FUNCTIONS AND OPERATION.
3. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER/DISTRICT'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWN. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER/DISTRICT'S REPRESENTATIVE.
4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER/DISTRICT'S REPRESENTATIVE ARE DEEMED SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER/DISTRICT. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR ACCORDINGLY.
5. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER/DISTRICT'S REPRESENTATIVE.
6. WHERE EXISTING CONCEALED CONDUITS, WHETHER SHOWN OR NOT, OR SPECIFIED TO BE REUSED, WHICH BECAME EXPOSED DUE TO CONSTRUCTION CHANGES, IT SHALL BE REROUTED TO THE NEAREST AVAILABLE REUSED OUTLET.
7. ALL EXISTING EXPOSED CONDUITS AND/OR WIRING THAT ARE DETERMINED BY THE DISTRICT AND ARCHITECT TO BE MAINTAINED FOR EXISTING SYSTEM FUNCTION AND CONTINUITY, WHETHER SHOWN ON PLAN OR NOT, ARE TO BE REROUTED CONCEALED IN WALL AND/OR CEILING FOR A CLEAN FINISHED SURFACE WITH NO EXPOSED CONDUITS AND/OR WIRING WITHIN THE REMODELED AREA.
8. REMOVE ALL EXISTING EXPOSED CONDUITS, WIRING, ELECTRICAL OUTLETS, DEVICES, AND EQUIPMENT THAT ARE DETERMINED BY THE DISTRICT REPRESENTATIVE/OWNER AND ARCHITECT TO BE NON FUNCTIONAL AND/OR NOT BEING USED FROM WITHIN THE REMODELED AREA FOR A CLEAN FINISHED SURFACE.
9. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
   A. REMOVE ALL WIRE AND CABLE.
   B. REMOVE ALL DEVICES AND EQUIPMENT.
   C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREAS, AS FAR AS POSSIBLE.
   D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
10. WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER/DISTRICT'S REPRESENTATIVE.
11. WHERE SHOWN ON PLAN FOR REMOVAL OF EXISTING CONDUITS, REMOVE ALL PORTIONS OF CONDUITS WHERE IT IS ACCESSIBLE AND ABANDON PORTIONS OF CONDUITS WHERE IT IS INACCESSIBLE. CUT OFF AND CAP ALL ABANDONED CONDUITS. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
12. CONTRACTOR SHALL UPDATE WITH NEW TYPEWRITTEN PANEL DIRECTORIES TO EXISTING PANELS INVOLVED IN THIS RENOVATION WORK THAT SHALL REFLECT ALL CHANGES TO THE CIRCUIT DESIGNATIONS.
13. PROVIDE AND INSTALL PROTECTIVE COVERING OVER EXISTING EQUIPMENT IN AREA WHEN INSTALLING ANY NEW WORK.
14. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
15. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR HEATERS, EXHAUST FANS, WATER HEATERS, PUMPS, ETC., WHICH ARE REQUIRED TO BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR FOR REMOVAL OR ABANDONMENT BY THE MECHANICAL AND/OR PLUMBING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR FOR REMOVAL OF ALL APPLICABLE STARTERS, DISCONNECT SWITCHES, AND ASSOCIATED CONDUIT, AND WIRING.
16. ALL LIGHT FIXTURES INDICATED AS RELOCATED SHALL BE CLEANED AND RE-LAMPED PRIOR TO THE RE-INSTALLATION.

OCCUPANCY & DAYLIGHT SENSOR NOTES

1. OCCUPANCY SENSORS AND DAYLIGHTING SENSORS SYSTEMS OPERATION:
   A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AIM SENSORS IN THE CORRECT LOCATION REQUIRED FOR COMPLETE AND PROPER VOLUMETRIC COVERAGE WITHIN THE RANGE OF COVERAGE(S) OF CONTROLLED AREAS PER THE MANUFACTURER'S RECOMMENDATIONS. ROOMS SHALL HAVE NINETY (90) TO ONE HUNDRED (100) PERCENT COVERAGE TO COMPLETELY COVER THE CONTROLLED AREA TO ACCOMMODATE ALL OCCUPANCY HABITS OF SINGLE OR MULTIPLE OCCUPANTS AT ANY LOCATION WITHIN THE ROOM(S). THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS THAT ARE TO BE PROVIDED WITH SENSORS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE ROOM.
   B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE A PRE-INSTALLATION MEETING WITH MANUFACTURER'S FACTORY AUTHORIZED REPRESENTATIVE, AT THE OWNER'S FACILITY, TO VERIFY PLACEMENT OF SENSORS AND INSTALLATION CRITERIA.
   C. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL PROPER ADJUSTMENTS TO ASSURE OWNER'S SATISFACTION WITH THE OCCUPANCY SYSTEM. IF THE CONTRACTOR IS INCAPABLE TO MAKE ALL PROPER ADJUSTMENTS, THE CONTRACTOR SHALL PROVIDE THE FACTORY STARTUP IN THAT IT WILL BE THE MANUFACTURER'S RESPONSIBILITY TO VERIFY ALL PROPER ADJUSTMENTS AND TRAIN OWNER'S PERSONNEL TO ENSURE OWNER'S SATISFACTION WITH THE OCCUPANCY SYSTEM.
   D. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE INSTALLATION SO AS TO ENSURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURAL COMPONENTS. THE CONTRACTOR SHALL ALSO PROVIDE, AT THE OWNER'S FACILITY, THE TRAINING NECESSARY TO FAMILIARIZE THE OWNER'S PERSONNEL WITH THE OPERATION, USE, ADJUSTMENT, AND PROBLEM SOLVING DIAGNOSIS OF THE OCCUPANCY SENSING DEVICES AND SYSTEMS.
2. OCCUPANCY SENSORS AND DAYLIGHTING SENSORS COMMISSIONING:
   A. UPON COMPLETION OF THE INSTALLATION, CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE-FREE OCCUPANCY-BASED LIGHTING CONTROL SYSTEM.
   B. UPON COMPLETION OF THE SYSTEM FINE TUNING, THE CONTRACTOR SHALL ARRANGE FOR THE FACTORY AUTHORIZED TECHNICIAN TO PROVIDE THE PROPER TRAINING TO THE OWNER'S PERSONNEL IN THE ADJUSTMENT AND MAINTENANCE OF THE SENSORS.

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTIONS
A/AMP	AMPERES
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
C	CONDUIT
CCT	CIRCUIT
CKT	CIRCUIT
DC	DIRECT CURRENT
(E)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METALLIC CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND/G	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KVA	KILOVOLT-AMPS
KW	KILOWATTS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N	NEUTRAL CONDUCTOR (GROUNDED CIRCUIT CONDUCTOR)
N.I.E.S.	NOT IN ELECTRICAL SCOPE OR SPECIFICATIONS
NL	NIGHT LIGHT
PH/P	PHASE OR POLE
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE CONDUIT (SCHEDULE 40)
(R)	RELOCATE/RELOCATED
RECEP	RECEPTACLE
RGSC	RIGID GALVANIZED STEEL CONDUIT
U	UNSWITCHED
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLTS
W	WATTS
WP	WEATHERPROOF
WPU	WEATHERPROOF WHILE IN USE
(X)	REMOVE
XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET TITLE
E0.1	ELECTRICAL NOTES, ABBREVIATIONS, AND SHEET INDEX
E0.2	ELECTRICAL SYMBOL LEGEND
E0.3	ELECTRICAL ONE LINE DIAGRAM
E0.4	ELECTRICAL SCHEDULES
E0.5	LIGHTING SCHEDULES
E0.6	TYPICAL ELECTRICAL DETAILS
E0.7	LOW VOLTAGE SYSTEMS DIAGRAM
E1.1	ELECTRICAL SITE PLAN
E1.2	SITE PHOTOMETRIC PLAN
EA2.1	BUILDING A ELECTRICAL DEMOLITION PLAN
EA2.2	BUILDING A ELECTRICAL PLAN
EA2.3	BUILDING A ELECTRICAL ROOF PLAN
EB2.1	BUILDING B ELECTRICAL PLAN
EC2.1	BUILDING C ELECTRICAL PLAN
ED2.1	BUILDING D ELECTRICAL PLAN
EE2.1	BUILDING E ELECTRICAL PLAN

PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES

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 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENT TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., SMACNA 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.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP	MD	PP	E	
☐	☐	☐	☒	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☐	☐	☒	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #0043-13.
☐	☐	☐		OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSPHD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

EQUIPMENT 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 WIRED) 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 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND 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 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 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 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.

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ARCHITECT: LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER KENNETH R. RUBLEY No. 11798 Exp. 9/30/20 ELECTRICAL STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
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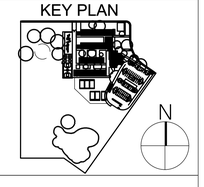
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
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ELECTRICAL NOTES, ABBREVIATIONS AND SHEET INDEX

Date: 03/18/19
Scale: AS NOTED
Project Number: 19003.1
Drawing Number: E0.1

ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON PLANS IF NOT REQUIRED.

SYMBOL	DESCRIPTION
	LIGHTING
	FLUORESCENT/LED LUMINAIRE – T–BAR LAY–IN
	FLUORESCENT/LED LUMINAIRE – RECESSED IN GYPBOARD
	FLUORESCENT/LED LUMINAIRE – SURFACE FLUORESCENT/LED LUMINAIRE – SUSPENDED
	FLUORESCENT/LED DIRECT/INDIRECT LUMINAIRE – T–BAR LAY–IN
	FLUORESCENT/LED DIRECT/INDIRECT LUMINAIRE – RECESSED IN GYPBOARD
	FLUORESCENT/LED STRIP LIGHT – SURFACE OR SUSPENDED
	DOWNLIGHT LUMINAIRE – RECESSED
	WALLWASH LUMINAIRE – RECESSED
	LUMINAIRE – SURFACE
	LUMINAIRE – WALL
	LUMINAIRE – PENDANT
	TRACK LIGHT – SUSPENDED OR SURFACE MOUNTED
	CONTINUOUS LINEAR LED TAPE OR LED COVE LIGHT
EM EM EM	HATCHED LUMINAIRE WITH "EM" ABBREVIATION INDICATES AN EMERGENCY LUMINAIRE WITH EMERGENCY POWER CONNECTION (UNSWITCHED).
	SINGLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)
	DOUBLE FACE EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION. DIRECTIONAL ARROW AS INDICATED ON PLANS. (CEILING OR WALL)
	COMBINATION EMERGENCY EXIT SIGN WITH DUAL HEAD LIGHTS WITH EMERGENCY BATTERY BACK–UP.
	BATTERY POWERED EMERGENCY EGRESS LUMINAIRE – SURFACE MOUNTED
	SPOT/FLOOD LUMIAINRE – CEILING
	SPOT/FLOOD LUMINAIRE – ABOVE GROUND
	EXTERIOR POLE FIXTURE – SINGLE HEAD
	EXTERIOR POLE FIXTURE – TWIN HEAD
	EXTERIOR PATHWAY POLE FIXTURE
	BOLLARD FIXTURE
	STEP LUMINAIRE
	LIGHTING CONTROLS
$	SINGLE POLE TOGGLE SWITCH, 20A, 120–277V @ +46" TO TOP OF BOX, UNO.
$3	THREE WAY TOGGLE SWITCH 20A,120–277V @ +46" TO TOP OF BOX, UNO.
$a,b,c	SUBSCRIPTS "a,b,c" DESIGNATE THE QUANTITY OF SWITCHES AT EACH LOCATION (TYPICAL FOR ALL SWITCH TYPES).
$T	THERMAL OVERLOAD SWITCH
$M	MOTOR RATED SWITCH
$K	SINGLE POLE KEYED TOGGLE SWITCH 20A, 120–277 @ +46" TO TOP OF BOX, UNO.
	PUSH BUTTON
	WALL MOUNTED DECORA IN LIEU OF ROCKER SWITCH
	WALL MOUNTED DIMMER SWITCH
	WALL MOUNTED DIGITAL DIMMER CONTROL
	WALL SWITCH OCCUPANCY SENSOR
	PIR WALL SWITCH OCCUPANCY SENSOR
	DUAL TECH WALL OCCUPANCY SENSOR
	DIGITAL WALL CONTROL (OVERRIDE SWITCH). RUN CABLING BACK TO LIGHTING CONTROL PANEL.
	CORNER MOUNT MOTION SENSOR. DUAL TECHNOLOGY, PIR OR ULTRASONIC
	CEILING MOTION SENSOR. DUAL TECHNOLOGY PIR & ULTRASONIC
	PIR DIGITAL CORNER SENSOR
	DUAL TECH DIGITAL CORNER SENSOR
	ULTRASONIC DIGITAL CEILING SENSOR
PES	PHOTO SENSOR
DS	SKYLIGHT PHOTOCONTROL SENSOR
OLS	OPEN LOOP PHOTOCONTROL SENSOR
CLS	CLOSED LOOP PHOTOCONTROL SENSOR
	CEILING EXHAUST FAN
	POWER
	MAIN SWITCHBOARD OR DISTRIBUTION PANEL,AS NOTED
	RECESSED MOUNTED LIGHTING OR DISTRIBUTION PANEL
	SURFACE MOUNTED LIGHTING OR DISTRIBUTION PANEL
	RECESSED TERMINAL CABINET w/ ¾"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UON.
	SURFACE MOUNTED TERMINAL CABINET w/ ¾"C PLYWOOD BACKBOARD, DUPLEX RECEPTACLE & #6 CU GND, UON.
T	DISTRIBUTION TRANSFORMER, MOUNTING AND SIZE AS NOTED
	NON–FUSED DISCONNECT SWITCH
	ENCLOSED CIRCUIT BREAKER DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH; SIZE DISCONNECT AND FUSES PER UNIT LABEL
	NON–FUSED / FUSED DISCONNECT; SEE DISCONNECT SWITCH SCHEDULE
	MOTOR STARTER/CONTROLLER
	COMBINATION CIRCUIT BREAKER DISCONNECT/MOTOR STARTER.
	COMBINATION FUSIBLE DISCONNECT/MOTOR CONTROLLER; PROVIDE FUSES PER MANUFACTURERE'S REQUIREMENTS. N.F. INDICATES NON–FUSED.
	MOTOR
	POWER CONNECTION
	DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP. +44" TO TOP FOR FORWARD REACH, AND +46" TO TOP FOR SIDE REACH, PER CBC 11B–308.
	ISOLATED GROUND DUPLEX RECEPTACLE, 20A, 120V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI DUPLEX RECEPTACLE OUTLET ABOVE COUNTER TOP AND/OR SINK BACKSPLASH. +44" TO TOP FOR FORWARD REACH AND +46" TO TOP FOR SIDE REACH, PER CBC 11B–308.
	ISOLATED GROUND GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI DUPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO
	FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	ISOLATED GROUNDED FOURPLEX RECEPTACLE 20A, 120V @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.

SYMBOL	DESCRIPTION
	GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	GFCI FOURPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER TOP AND/OR SINK BACKSPLASH
	ISOLATED GROUND GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO.
	DEDICATED GFCI FOURPLEX RECEPTACLE OUTLET 20A, 120V, @ +16" TO BOTTOM OF BOX, UNO
	CONTROLLED/UNCONTROLLED FOURPLEX RECEPTACLE
	SPECIAL RECEPTACLE OUTLET, SIZE AND NEMA CONFIGURATION AS NOTED, MOUNTED @ +16" TO BOTTOM OF BOX, UNO.
	FLOOR MOUNTED DUPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	FLOOR MOUNTED FOURPLEX RECEPTACLE, 20A, 125V FLUSH IN FINISHED FLOOR
	CEILING MOUNTED DUPLEX RECEPTACLE, 20A, 125V
	CEILING MOUNTED FOURPLEX RECEPTACLE, 20A, 125V
	JUNCTION BOX – SIZE AS REQUIRED BY CODE. (WALL MOUNTED AND REGULAR)
	JUNCTION BOX (FLOOR MOUNTED) – SIZE AS REQUIRED BY CODE.
	PLUGMOLD
	POWER POLE
	POWER AND TELEPHONE POKE THROUGH FOR PARTITION FURNITURE
	FLOOR MOUNTED COMBO DUPLEX RECEPTACLE / TELEPHONE/DATA
	FLOOR MOUNTED COMBO FOURPLEX RECEPTACLE / TELEPHONE/DATA
	TELECOM
1	TELEPHONE OUTLET, 4–11/16" SQ. x 2–1/8" DEEP BOX w/ SINGLE DEVICE RING & PLATE @ +16" TO BOTTOM OF BOX & ¾" CONDUIT STUB UP TO ACCESSIBLE CEILING SPACE, UNO
3	DATA OUTLET, 4–11/16" SQ. x 2–1/8" DEEP BOX w/ SINGLE DEVICE RING & PLATE @ +16" TO BOTTOM OF BOX & ¾" CONDUIT STUB UP TO ACCESSIBLE CEILING SPACE, UNO
1/3	TELE/DATA OUTLET, 4–11/16" SQ. x 2–1/8" DEEP BOX w/ SINGLE DEVICE RING & PLATE @ +16" TO BOTTOM OF BOX & (2) ¾" CONDUIT STUB UP TO ACCESSIBLE CLG SPACE, UNO
1/3A	TELE/DATA OUTLET, 4–11/16" SQ. x 2–1/8" DEEP BOX w/ SINGLE DEVICE RING & PLATE ABOVE COUNTER AND (2) ¾" CONDUIT STUB UP TO ACCESSIBLE CEILING SPACE, UNO
2	FLOOR MOUNTED DATA OUTLET, FLUSH IN FINISHED FLOOR – SIZE PER PLAN
1	FLOOR MOUNTED TELEPHONE OUTLET, FLUSH IN FINISHED FLOOR – SIZE PER PLAN
1/3	FLOOR MOUNTED TELEPHONE/DATA OUTLET, FLUSH IN FINISHED FLOOR – SIZE PER PLAN
2	CEILING MOUNTED DATA OUTLET, 4" SQ. BOX WITH SINGLE DEVICE RING & PLATE
	NUMBER BY DEVICE SYMBOL PARENTHESIS INDICATES NUMBER OF REQUIRED ACTIVE JACKS FOR VOICE/DATA OUTLETS. THE FIRST NUMBER REPRESENTS THE # OF VOICE PORTS AND THE SECOND NUMBER REPRESENTS THE # OF DATA PORTS.
WAP	WIRELESS ACCESS POINT
	TELEPHONE TERMINAL BACKBOARD
	COAXIAL CABLE OUTLET
	CLOCK
	INTERCOM SPEAKER AND CLOCK COMBINATION
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	SURVEILLANCE CAMERAS
	360 DEGREES CAMERA
	FIXED POSITION CAMERA
WP	WEATHERPROOF FIXED POSITION CAMERA
	ACCESS CONTROL
CR	CARD READER
EL	ELECTRONIC LOCK
	INTRUSION ALARM
KP	KEYPAD
	WALL/CEILING MOUNTED FIXED POSITION INTRUSION SENSOR
	CEILING MOUNTED 360 DEGREES INTRUSION SENSOR
	DOOR CONTACT
	GLASS BREAK
	POPPIT
	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
ANN	FIRE ALARM ANNUNCIATOR
FB	FIRE ALARM BELL
	HEAT DETECTOR
D_A	ABOVE CEILING HEAT DETECTOR
	SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	MANUAL PULL STATION
	END OF LINE RESISTOR
TS	TAMPER SWITCH
FS	WATERFLOW SWITCH
MM	MONITOR MODULE
CM	CONTROL MODULE
PIV	POST INDICATOR VALVE
FSD	FIRE SMOKE DAMPNER
	HORN SPEAKER
X1–1 XXXcd	WALL MOUNTED SPEAKER STROBE (15cd, 30cd, 75cd, 110cd) "cd" IS CANDELA. X1–1 RESEMBLES THE NAC CIRCUIT AND QUANTITY ON THAT CIRCUIT.
X1–1 C XXXcd	CEILING MOUNTED SPEAKER STROBE (15cd, 30cd, 75cd, 110cd) "cd" IS CANDELA. X1–1 RESEMBLES THE NAC CIRCUIT AND QUANTITY ON THAT CIRCUIT.
X1–1 XXXcd	WALL MOUNTED STROBE (15cd, 30cd, 75cd, 110cd) "cd" IS CANDELA. X1–1 RESEMBLES THE NAC CIRCUIT AND QUANTITY ON THAT CIRCUIT.
X1–1 C XXXcd	CEILING MOUNTED STROBE (15cd, 30cd, 75cd, 110cd) "cd" IS CANDELA. X1–1 RESEMBLES THE NAC CIRCUIT AND QUANTITY ON THAT CIRCUIT.

SYMBOL	DESCRIPTION
	CIRCUITS
	ARROW
	STUB
	STUB AND ARROW
	CONTINUATION
	CONDUIT RISER – UP
	CONDUIT DROP – DOWN
	CONDUIT CONCEALED IN CEILING OR WALL.
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	EXISTING CONDUIT TO REMAIN.
	CONDUIT & CONDUCTORS FOR LOW VOLTAGE MOTION SENSORS
	EXISTING CONDUIT AND/OR CONDUCTORS TO BE REMOVED. UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE.
	HOMERUN TO PANELBOARD OR TERMINAL CABINET w/ CONDUCTORS AS NOTED
#	CIRCUIT CONDUTORS: LONG DASH INDICATES NEUTRAL CONDUCTOR; SHORT DASHES INDICATE PHASE CONDUCTORS; CURVED DASH INDICATES EQUIPMENT GROUNDING CONDUCTOR; ADDITIONAL CURVED DASH INDICATES ISOLATED GROUNDING CONDUCTOR. NUMBER BY DASHES INDICATE WIRE GAUGE OTHER THAN 12 AWG CU. NO DASHES INDICATE 2#12 CU, 1#12 CU GND, IN ½" CONDUIT. OTHERS AS NOTED ON PLAN.
	FLEXIBLE CONDUIT, 6'–0" LONG MAX. w/ #12 CU GROUND UON.
	TAGS AND LEADERS
	BRACKET
	LEADERS
X	KEY NOTE SHOWN ON SAME SHEET
X	LIGHT FIXTURE TAG
X	FEEDER DESIGNATION TAG
X	KITCHEN EQUIPMENT DESIGNATION TAG
X Ex.1	DETAIL DESIGNATION: TOP LETTER INDICATES DETAIL, BOTTOM LETTER/NUMBER INDICATES SHEET
M1 X	MECHANICAL EQUIPMENT I.D. TAG – MP&S
	ONE LINE DIAGRAM
(N) PANEL "A" 100A	PANEL IDENTIFICATION
100A 3P	CIRCUIT BREAKER
100A 3P	FUSED SWITCH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	GROUND
	UNDERGROUND TERMINATION SERVICE LUG
M	UTILITY METER
M	UTILITY METER WITH C.T. COMPARTMENT METER SOCKET
	TRANSFORMER WITH GROUND
	UFER GROUND
	BOND TO COLD WATER PIPE, GAS PIPE, BUILDING STEEL
	AUTOMATIC TRANSFER SWITCH
	NEUTRAL LINK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION

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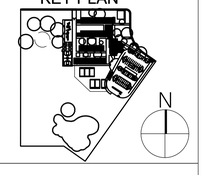
KEY PLAN



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1504 FALLBROOK ST.
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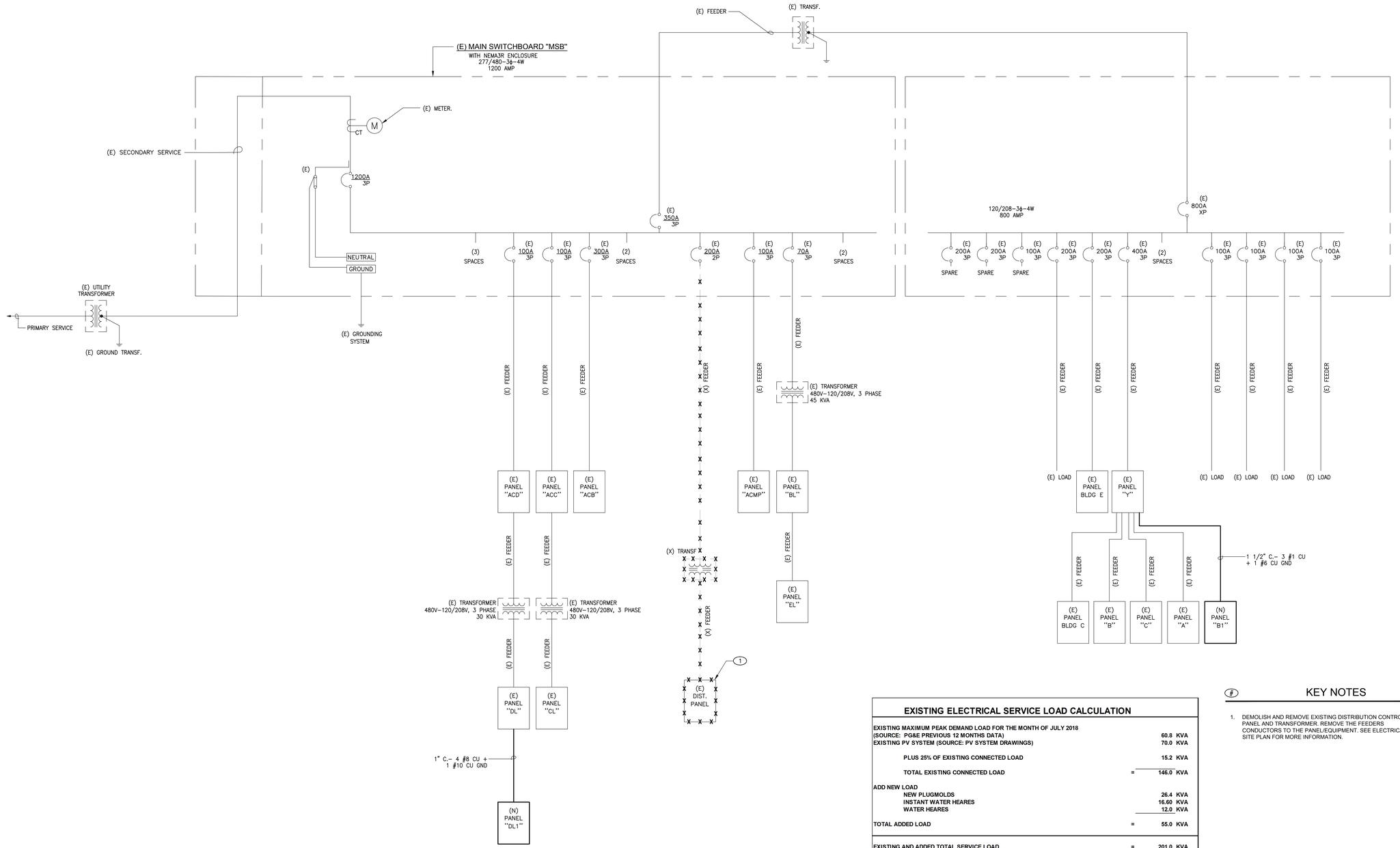
ELECTRICAL SYMBOL LEGEND

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
E0.2



EXISTING ELECTRICAL SERVICE LOAD CALCULATION

EXISTING MAXIMUM PEAK DEMAND LOAD FOR THE MONTH OF JULY 2018 (SOURCE: PG&E PREVIOUS 12 MONTHS DATA)		60.8 KVA
EXISTING PV SYSTEM (SOURCE: PV SYSTEM DRAWINGS)		70.0 KVA
PLUS 25% OF EXISTING CONNECTED LOAD		15.2 KVA
TOTAL EXISTING CONNECTED LOAD	=	146.0 KVA
ADD NEW LOAD		
NEW PLUGMOLDS		26.4 KVA
INSTANT WATER HEARES		16.60 KVA
WATER HEARES		12.0 KVA
TOTAL ADDED LOAD	=	55.0 KVA
EXISTING AND ADDED TOTAL SERVICE LOAD	=	201.0 KVA

201.0 KVA @ 277/480 VOLT , 3 PHASE = 242 AMPERES

THEREFORE: EXISTING MAIN 1200 AMP SERVICE HAS THE CAPACITY FOR THE NEW ADDED LOAD.

NOTE: IT'S CONSIDERED THAT THE REPLACEMENTS WILL NOT ADD ANY ADDITIONAL LOADS TO THE SYSTEM.

KEY NOTES

1. DEMOLISH AND REMOVE EXISTING DISTRIBUTION CONTROL PANEL AND TRANSFORMER. REMOVE THE FEEDERS CONDUCTORS TO THE PANEL/EQUIPMENT. SEE ELECTRICAL SITE PLAN FOR MORE INFORMATION.

1 ONE LINE DIAGRAM

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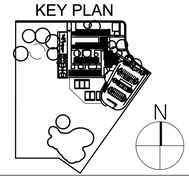

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ELECTRICAL SYMBOL
ONE LINE DIAGRAM

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number E0.3

(E) PANEL "BL"[1]

120/208 Volt, 3 Phase, 4 Wire
125 Amp BUS CU.
(E)125 Amp MCB
Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY (WATTS)								
CKT.	BKR	DESCRIPTION	A	B	C		A	B	C	DESCRIPTION	BKR	CKT.
1	(E)20/1	**RECEPT- RM A105**	1,080				720			**RECEPT- RM A103**	**20/1[2]**	2
3	(E)20/1	**RECEPT- RMS A105,A106**		1,080				720		**RECEPT- RM A103**	**20/1[2]**	4
5	(E)20/1	**RECEPT- RM A106**			1,080				500	**DEDICATED REC RM A103**	**20/1[2]**	6
7	(E)20/1	**RECEPT- RM A104**	1,080				500			**DEDICATED REC RM A102**	**20/1[2]**	8
9	(E)20/1	**RECEPT- RMS A104,A103**		1,080				1,080		**RECEPT- RM A102**	**20/1[2]**	10
11	(E)20/1	**REC RM A104**			500				1,080	**RECEPT- RM A101,A107,A108-111**	**20/1[2]**	12
13	(E)60/3	(E) PANEL "EL"					250			**DOOR CONTROLLERS**	**20/1[2]**	14
15	-	-								(E)SPARE	(E)15/1	16
17	-	-								(E) ROOF RECEPT. BLDG "A"	(E)15/1	18
19	(E)20/1	(E) SPARE								(E) EMS PANEL	(E)15/1	20
21	(E)20/1	(E) SPARE								(E) ROOF RECEPT. BLDG "B"	(E)15/1	22
23	(E)20/1	(E) SPARE								(E) EMS PANEL	(E)15/1	24
25	(E)30/1	RELOCATED DATA RACK REC					530			**(N) HAND DRYER RM A110**	**20/1[3]**	26
27	-	-						530		**(N) HAND DRYER RM A111**	**20/1[3]**	28
29	(E) PFB	SPACE								SPACE	(E) PFB	30

PHASE TOTALS

A	B	C
4,160	4,490	3,160

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] REPLACE (E) 15A/1P BREAKERS WITH NEW 20A/1P BREAKERS TO FEED THE NEW LOAD. MATCH WITH EXISTING BREAKERS TYPE & AIC RATING.
[3] PROVIDE NEW BREAKER. THE BREAKER SHALL BE LOCKABLE TYPE IN OFF POSITION. MATCH WITH EXISTING BREAKERS TYPE & AIC RATING.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	11,810	Watts
LARGEST MOTOR x 25%	133	Watts
TOTAL DEMAND LOADS	11,943	Watts
TOTAL DEMAND AMPS	33	AMPS

(E) PANEL "B"[1]

120/208 Volt, 1 Phase, 3 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
FLUSH Mounted
NEMA 1 Type

			PHASE SUMMARY								
CKT.	BKR	DESCRIPTION	A	B			A	B	DESCRIPTION	BKR	CKT.
1	(E)15/1	(E) BATH LIGHTS KINDERGARTEN							(E) LOAD	(E)15/1	2
3	(E)20/1	(E) RM #4 LIGHTS							(E) RM #3 LIGHTS	(E)15/1	4
5	(E)20/1	(E) LOAD							(E) RM #2 SOUTH	(E)20/1	6
7	(E)20/1	(E) KINDERGARTEN LIGHTS							(E) LOAD	(E)20/1	8
9	(E)20/1	(E) LOAD							(E) BATH LIGHTS KINDERGARTEN	(E)20/1	10
11	(E)20/1	(E) KINDERGARTEN LIGHTS							(E) OUTSIDE LIGHTS	(E)20/1	12
13	(E)20/1	(E) LOAD							(E) RM #3 GFI	(E)20/1	14
15	(E)20/1	(E) KINDERGARTEN LIGHTS							(E) RM #2 GFI	(E)20/1	16
17	(E)20/1	(E) KINDERGARTEN PLUGS					900		**(N) PLUGMOLD- RM B103**	**(E)20/1**	18
19	(E)20/1	(E) SPARE						720	**(N) PLUGMOLD- RM B103**	**(E)20/1**	20
21	(E)20/1	(E) WIREMOLD RM#1 & RM #2							(E) WIREMOLD RM #4	(E)20/1	22
23	(E)20/1	(E) WIREMOLD RM#1 & RM #2							(E) WIREMOLD RM #4	(E)20/1	24
25	(E)20/1	(E) WIREMOLD RM#1 & RM #2							(E) WIREMOLD RM #4	(E)20/1	26
27	**(E)20/1**	**(N) PLUGMOLD- RM B113**		900					(E) WIREMOLD RM #3	(E)20/1	28
29	**(E)20/1**	**(N) PLUGMOLD- RM B113**	900						(E) WIREMOLD RM #3	(E)20/1	30
31	**(E)20/1**	**(N) PLUGMOLD- RM B111**		900					(E) WIREMOLD RM #3	(E)20/1	32
33	**(E)20/1**	**(N) PLUGMOLD- RM B111**	900						(E) KINDERGARTEN WIREMOLD	(E)20/1	34
35	**(E)20/1**	**(N) PLUGMOLD- RM B109**		900				900	**(N) PLUGMOLD- RM B107**	**(E)20/1**	36
37	**[2]20/1**	**(N) PLUGMOLD- RM B109**	900				900		**(N) PLUGMOLD- RM B107**	**[2]20/1**	38
39	**[2]25/2**	**(N) WATER HEATER**		2000				134	**(N) LIGHTS- RESTROOMS**	**[2]20/1**	40
41	-	-	2000						(E) SPARE	(E)15/1	42

PHASE TOTALS

A	B
6500	6454

PANEL AND CIRCUIT NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] REPLACE (E) 15A/1P BREAKER WITH NEW20A/1P - 25A/2P BREAKER TO FEED NEW LOAD. MATCH WITH EXISTING BREAKERS TYPE & AIC RATING.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%	168	Watts
RECEPTACLES / OTHER x 100%	12820	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	12988	Watts
TOTAL DEMAND AMPS	**62**	AMPS

(E) PANEL "A"[1]

120/208 Volt, 1 Phase, 3 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY								
CKT.	BKR	DESCRIPTION	A	B			A	B	DESCRIPTION	BKR	CKT.
1	**[2] 20/2**	**POLE LIGHTS- PARKING LOT**	**480**				**500**		**RECEPT- RM A108**	**[2] 20/1**	2
3	-	-		**480**				**500**	**RECEPT- RM A108**	**[2] 20/1**	4
5	**[2] 20/2**	**CANOPY LIGHTS- PARKING LOT**	**276**				**500**		**RECEPT- RM A108**	**[2] 20/1**	6
7	-	-		**276**				**500**	**RECEPT- RM A108**	**[2] 20/1**	8
9	**[2]20/1**	**LCP**	**100**						**(E) SPARE**	(E)15/1	10
11	(E)15/1	**(E) SPARE**							**(E) SPARE**	(E)15/1	12
13	**(E)20/1**	**LIGHTS OFFICES**	**924**						**(E) SPARE**	(E)15/1	14
15	**(E)20/1**	**LIGHTS HALLWAY**		**706**				**250**	**(E) FIRE ALARM PANEL**	**[3](E)20/1**	16
17	(E)20/1	**(E) SPARE**							**(E) LOAD**	(E)20/1	18
19	(E)20/1	**(E) SPARE**						**250**	**FIRE ALARM POWER SUPPLY #1**	**[3](E)20/1**	20
21	(E)20/1	**(E) SPARE**							**(E) LOAD**	(E)15/2	22
23	(E)50/2	**(E) LOAD**									24
25	-	-							**(E) LOAD**	(E)15/2	26
27	(E)20/1	**(E) SPARE**							-	-	28
29	(E)20/1	**(E) SPARE**							**(E) LOAD**	(E)20/1	30
31	(E)20/1	**(E) SPARE**						**250**	**FIRE ALARM POWER SUPPLY #2**	**[3](E)20/1**	32
33	(E)20/1	**(E) SPARE**							**(E) LOAD**	(E)30/1	34
35	(E)20/1	**(E) SPARE**							**(E) LOAD**	(E)30/1	36
37	(E)20/1	**(E) SPARE**							(E) SPARE	PFB	38
39	(E)20/1	**(E) SPARE**							(E) SPARE	PFB	40
41	(E)20/1	(E) SPARE							(E) SPARE	PFB	42

PHASE TOTALS

A	B
2780	3212

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] REPLACE (E) 15A/1P BREAKER WITH NEW 20A/1P BREAKER TO FEED NEW LOAD. MATCH WITH EXISTING BREAKERS TYPE & AIC RATING.
[3] CIRCUIT BREAKER SHALL BE EQUIPPED WITH LOCK-ON DEVICE AND MARKED RED PER CEC 760.121(B).

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%	4053	Watts
RECEPTACLES / OTHER x 100%	2750	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	6803	Watts
TOTAL DEMAND AMPS	**33**	AMPS

(E) PANEL "EL"[1]

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
(E) 100 Amp MCB
Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 3R Type

			PHASE SUMMARY (WATTS)								
CKT.	BKR	DESCRIPTION	A	B	C		A	B	C	DESCRIPTION	BKR	CKT.
1	(E) 20/1	(E) FC-1								(E) CU-1	(E) 15/2	2
3	(E) 20/1	(E) FC-2								-	-	4
5	(E) 20/1	(E) FC-3								(E) CU-2	(E) 15/2	6
7	(E) 20/1	(E) SPARE								-	-	8
9	(E) 20/1	(E) SPARE								(E) CU-3	(E) 15/2	10
11	**(E) 20/1**	**(N) DOORS CONTROLLER**			**200**					-	-	12
13	**[2] 20/1**	**(N) PLUGMOLD- RM C101**	**720**				**720**			**(N) PLUGMOLD- RM C103**	**[2] 20/1**	14
15	**[2] 20/1**	**(N) PLUGMOLD- RM C101**		**900**				**720**		**(N) PLUGMOLD- RM C103**	**[2] 20/1**	16
17	**[2] 20/1**	**(N) PLUGMOLD- RM C102**			**720**				**720**	**(N) PLUGMOLD- RM C104**	**[2] 20/1**	18
19	**[2] 20/1**	**(N) PLUGMOLD- RM C102**	**900**				**900**			**(N) PLUGMOLD- RM C104**	**[2] 20/1**	20
21	**[2] 25/2**	**(N)WATER HEATER**		**2,000**				**530**		**(N) HAND DRYER-RESTRM C106**	**[3] 20/1**	22
23	-	-			**2,000**				**530**	**(N) HAND DRYER-RESTRM C105**	**[3] 20/1**	24

PHASE TOTALS

A	B	C
3,240	4,150	4,170

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] PROVIDE NEW BREAKER IN THE EXISTING SPACE, FOR FEEDING NEW LOADS.
[3] PROVIDE NEW BREAKER. THE BREAKER SHALL BE LOCKABLE TYPE IN OFF POSITION. MATCH WITH EXISTING BREAKERS TYPE & AIC RATING.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	11,560	Watts
LARGEST MOTOR x 25%	133	Watts
TOTAL DEMAND LOADS	11,693	Watts
TOTAL DEMAND AMPS	32	AMPS

(E) PANEL "DL" [1]

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
(E) 100 Amp MCB
Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY (WATTS)								
CKT.	BKR	DESCRIPTION	A	B	C		A	B	C	DESCRIPTION	BKR	CKT.
1	(E) 20/1	(E) ROOF GFI								(E) AC-22	(E) 20/2	2
3	(E) 20/1	(E) ROOF RECPT. BLDG. "D"								-	-	4
5	(E) 20/1	(E) ROOM #13 RECPT.								(E) ROOM #15 RECPT.	(E) 20/1	6
7	(E) 20/1	(E) ROOM #13 RECPT.								(E) ROOM #15 RECPT.	(E) 20/1	8
9	(E) 20/1	(E) ROOM #13 RECPT.								(E) ROOM #15 RECPT.	(E) 20/1	10
11	(E) 20/1	(E) ROOM #14 RECPT.								(E) ROOM #16 RECPT.	(E) 20/1	12
13	(E) 20/1	(E) ROOM #14 RECPT.								(E) ROOM #16 RECPT.	(E) 20/1	14
15	(E) 20/1	(E) ROOM #14 RECPT.								(E) ROOM #16 RECPT.	(E) 20/1	16
17	(E) 20/1	(E) SPARE								(E) SPARE	(E) 20/1	18
19	PFB	SPACE					**3,410**			**(N) PANEL DL1**	**[2] 40/3**	20
21	PFB	SPACE						**4,970**		-	-	22
23	PFB	SPACE							**4,160**	-	-	24

PHASE TOTALS

A	B	C
3,410	4,970	4,160

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] PROVIDE NEW BREAKER IN THE EXISTING SPACES, FOR FEEDING THE NEW PANEL.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	12,540	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	12,540	Watts
TOTAL DEMAND AMPS	35	AMPS

(E) PANEL "C" [1]

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
FLUSH Mounted
NEMA 1 Type

			PHASE SUMMARY (WATTS)								
CKT.	BKR	DESCRIPTION	A	B	C		A	B	C	DESCRIPTION	BKR	CKT.
1	(E)20/1	(E)CLASSROOM #9					900			**(N) PLUGMOLD- RM D102**	(E)20/1	2
3	(E)20/1	(E)CLASSROOM #9						720		**(N) PLUGMOLD- RM D102**	(E)20/1	4
5	(E)20/1	(E)SPARE							720	**(N) PLUGMOLD- RM D101**	(E)20/1	6
7	(E)20/1	(E)CLASSROOM #10					900			**(N) PLUGMOLD- RM D101**	(E)20/1	8
9	(E)20/1	(E)CLASSROOM #10						1,080		**(N) PLUGMOLD- RM D104**	(E)20/1	10
11	(E)20/1	(E)SPARE							200	**(N) DOORS CONTROLLER**	(E)20/1	12
13	(E)20/1	(E)CLASSROOM #11								(E)SPARE	(E)20/1	14
15	(E)20/1	(E)CLASSROOM #11								(E)SPARE	(E)20/1	16
17	(E)20/1	(E)SPARE								(E)SPARE	(E)20/1	18
19	(E)20/1	(E)CLASSROOM #12								(E)SPARE	(E)20/1	20
21	(E)20/1	(E)CLASSROOM #12								(E)SPARE	(E)20/1	22
23	(E)20/1	(E)SPARE								(E)SPARE	(E)20/1	24
25	(E) PFB	SPACE								SPACE	(E) PFB	26
27	(E) PFB	SPACE								SPACE	(E) PFB	28
29	(E) PFB	SPACE								SPACE	(E) PFB	30

PHASE TOTALS

A	B	C
1,800	1,800	920

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	4,520	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	4,520	Watts
TOTAL DEMAND AMPS	13	AMPS

PANEL "B1"[1]

120/208 Volt, 1 Phase, 3 Wire
100 Amp BUS CU.
100 Amp MCB
Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY								
CKT.	BKR	DESCRIPTION	A	B			A	B	DESCRIPTION	BKR	CKT.
1	**20/1[2]**	**HAND DRYER-RESTRM B115**	**530**				**530**		**HAND DRYER-RESTRM B110**	**20/1[2]**	2
3	**20/1[2]**	**HAND DRYER-RESTRM B114**		**530**				**530**	**HAND DRYER-RESTRM B108**	**20/1[2]**	4
5	**20/1[2]**	**HAND DRYER-RESTRM B112**	**530**				**530**		**HAND DRYER-RESTRM B104**	**20/1[2]**	6
7	**20/1**	**DOORS CONTROLLER**		**250**				**530**	**HAND DRYER-RESTRM B105**	**20/1[2]**	8
9											10
11											12
13											14
15											16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

PHASE TOTALS

A	B
2120	1840

PANEL AND CIRCUIT NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] THE BREAKER SHALL BE LOCKABLE TYPE IN OFF POSITION.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	3960	Watts
LARGEST MOTOR x 25%	133	Watts
TOTAL DEMAND LOADS	4093	Watts
TOTAL DEMAND AMPS	**20**	AMPS

(N) PANEL "DL1"[1]

120/208 Volt, 3 Phase, 4 Wire
100 Amp BUS CU.
Amp MCB
100 Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY (WATTS)								
CKT.	BKR	DESCRIPTION	A	B	C		A	B	C	DESCRIPTION	BKR	CKT.
1	20/1	(N) PLUGMOLD- RM E101	720				720			(N) PLUGMOLD- RM E105	20/1	2
3	20/1	(N) PLUGMOLD- RM E102		1,000				720		(N) PLUGMOLD- RM E105	20/1	4
5	20/1	(N) PLUGMOLD- RM E103			720				720	(N) PLUGMOLD- RM E106	20/1	6
7	20/1	(N) PLUGMOLD- RM E103	720				720			(N) PLUGMOLD- RM E106	20/1	8
9	20/1	(N) PLUGMOLD- RM E104		720				2,000		(N) WATER HEATER	25/2	10
11	20/1	(N) PLUGMOLD- RM E104			720				2,000	-	-	12
13	**20/1**	**(N) DOORS CONTROLLER**	**200**							SPARE	20/1	14
15	20/1	SPARE								SPARE	20/1	16
17	20/1	SPARE								SPARE	20/1	18
19	**[2] 20/1**	**(N) HAND DRYER-RESTRM E109**	**530**							SPACE	PFB	20
21	**[2] 20/1**	**(N) HAND DRYER-RESTRM E108**		**530**						SPACE	PFB	22
23	PFB	SPACE								SPACE	PFB	24

PHASE TOTALS

A	B	C
3,610	4,970	4,160

PANEL AND CIRCUIT BREAKER NOTES:
[1] MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4.
[2] PROVIDE NEW BREAKER. THE BREAKER SHALL BE LOCKABLE TYPE IN OFF POSITION.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	12,740	Watts
LARGEST MOTOR x 25%	133	Watts
TOTAL DEMAND LOADS	12,873	Watts
TOTAL DEMAND AMPS	36	AMPS

(E) PANEL "Y"

120/208 Volt, 1 Phase, 3 Wire
(E) 600 Amp BUS CU.
Amp MCB
(E) 600 Amp MLO

10 KAIC Rating
SURFACE Mounted
NEMA 1 Type

			PHASE SUMMARY								
CKT.	BKR	DESCRIPTION	A	B			A	B	DESCRIPTION	BKR	CKT.
1	(E)100/2	(E)STAFF TRILER							(E)SPACE	PFB	2
3	-	-							(E)PANEL IN "D" WING	(E)100/2	4
5	(E)100/2	(E)PANEL IN "C" WING							-	-	6
7									(E)PANEL "B"	(E)100/2	8
9	**[1] 40/2**	**(N) IWH- RM A110**	**4160**						-	-	10
11	-	-		**4160**					(E)SPARE	(E)100/2	12
13	**[1] 40/2**	**(N) IWH- RM A110**	**4160**						-	-	14
15	-	-		**4160**					(E)PANEL "A"	(E)100/2	16
17	**(N)100/2**	**(N) PANEL "B1"**	**1922**						-	-	18
19	-	-		**1922**					SPACE	PFB	20
21	PFB	SPACE							SPACE	PFB	22
23	PFB	SPACE							SPACE	PFB	24
25	PFB	SPACE							SPACE	PFB	26
27	PFB	SPACE							SPACE	PFB	28
29	PFB	SPACE							SPACE	PFB	30
	200/3	SPARE							(E) PANEL "S" AND "SA"	200/3	
	-	-							-	-	
	-	-							-	-	

PHASE TOTALS

A	B
10242	10242

PANEL AND CIRCUIT BREAKER NOTES:
[1] PROVIDE LOCKABLE BREAKER IN OFF POSITION.

DEMAND LOADS

LIGHTING / CONTINUOUS LOAD x 125%		Watts
RECEPTACLES / OTHER x 100%	20483	Watts
LARGEST MOTOR x 25%		Watts
TOTAL DEMAND LOADS	20483	Watts
TOTAL DEMAND AMPS	**98**	AMPS

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

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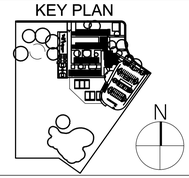
NO.	REMARKS	DATE

DATE
- ○ DSA PLAN CHECK 3/18/2019
- ● DSA BACK CHECK 5/29/2019
- ○ BIDDING
- ○ CONSTRUCTION

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

ELECTRICAL SCHEDULES

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
E0.4

Lighting Controls Sequence of Operation

SPACE TYPE	ROOM NUMBER	OCCUPANCY SENSOR: VACANCY MODE (MANUAL ON)	OCCUPANCY SENSOR: OCCUPANCY MODE (AUTO ON)	OCCUPANCY SENSOR: SENSOR TIME OUT PERIOD (IN MINUTES)	OCCUPANCY SENSOR: PARTIAL ON WHEN OCCUPIED	OCCUPANCY SENSOR: PARTIAL OFF WHEN VACANT	TIME CLOCK: SCHEDULED ON AT	TIME CLOCK: SCHEDULED OFF AT	TIME CLOCK: OVERRIDE SWITCH (2 HOUR)	WALL SWITCH: ON / OFF ONLY	WALL SWITCH: DIMMER SWITCH	WALL SWITCH: KEY SWITCH	WALL SWITCH: SCENE SWITCH	WALL SWITCH: GRAPHICAL WALL STATION	DIMMING: CONTINUOUS	DIMMING: STEP	DIMMING: MULTI ZONE	DAYLIGHT SENSOR: INDOOR - ON / OFF ONLY	DAYLIGHT SENSOR: INDOOR - DIMMING	DAYLIGHT SENSOR: LIGHT LEVEL MAINTAINED AT (IN FOOTCANDLES @2'-6" A.F.F.)	DAYLIGHT SENSOR: EXTERIOR PHOTOCELL - ON/OFF	SYSTEM: CONTROLLED RECEPTACLE	SYSTEM: NETWORK	SYSTEM: STAND-ALONE	SYSTEM: DEMAND RESPONSE	SEQUENCE OF OPERATIONS NARRATIVE
OFFICES, RMS A103,104,106		X		20							X				X				X	30		X				
COMMUNITY ROOM A105			X	20	50%						X				X				X	30		X				
MDF/ELECTRICAL ROOM A108										X																
STORAGE A109		X		20						X																
RESTROOMS A110,111		X		20						X																
VESTIBUL AND CORR. A101,107			X	20		50%				X									X	15						
OPEN OFFICE A102			X	20							X				X				X	30		X				
KINDERGARTEN RESTROOMS			X	20						X																

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NUMBER	LAMP (CROSS SECTION)	VOLTS / VA	MOUNTING	REMARKS
A1	H.E. WILIAMS INC. ATS1-24-L70/835-D-DIM-UNV	LED 3500K 7000 LUMEN	208 / 70	CEILING SURFACE	2X4 LED SURFACE FIXTURE, W/ DIMMING DRIVER, EQUIP W/ EM/10W EMERGENCY BATTERY BACKUP WHERE MARKED AS EMERGENCY.
A2	H.E. WILIAMS INC. ATS1-24-L40/835-D-DIM-UNV	LED 3500K 4000 LUMEN	208 / 42	CEILING SURFACE	2X4 LED SURFACE FIXTURE, W/ DIMMING DRIVER, EQUIP W/ EM/10W EMERGENCY BATTERY BACKUP WHERE MARKED AS EMERGENCY.
B1	H.E. WILIAMS INC. 39-4-L52/835-A-DRV-UNV	LED 3500K 5200 LUMEN	120 / 51	CEILING SURFACE	4 FT LED SURFACE MOUNTED WRAPAROUND FIXTURE.
C1	H.E. WILIAMS INC. WMA-4-L32/835-AF-DRV-UNV	LED 3500K 3200 LUMEN	120 / 41	WALL SURFACE	4 FT LED WALL MOUNTED UP/DN LIGHT. ABOVE MIRROR
D1	H.E. WILIAMS INC. 6DR-TL-L20/835SCA-DIM-UNV-L-W-OF-CS-N-F1	LED 3500K 2000 LUMEN	120 / 19.1	RECESSED	6" LED ROUND DOWNLIGHT.
X1	H.E. WILIAMS INC. EXIT/AC-G-WF-WHT-EM-SDT-D	LED	120 / 0.7	WALL/ CEILING	SINGLE/DOUBLE FACE LED EXIT SIGN WITH BATTERY BACK-UP FOR 90 MINUTES. W/ TEST SWITCH AND LED INDICATOR LIGHT.
S1	GARDCO BY SIGNIFY GL18-_-1-5-160LA-481A-NW-UNV	LED 4000K 15400 LUMEN	208 / 160	POLE LIGHT	LED OUTDOOR POLE LIGHT, MOUNTING HEIGHT 25' A.G
S2	GARDCO BY SIGNIFY GL18-_-1-4-160LA-481A-NW-UNV	LED 4000K 14620 LUMEN	208 / 160	POLE LIGHT	LED OUTDOOR POLE LIGHT. MOUNTING HEIGHT 25' A.G
S3	H.E. WILIAMS INC. VG1-L65/740-T5-SM-OCCWS FSP-211-L-UNV	LED 4000K 6000 LUMEN	208 / 69	SURFACE MOUNTED	DURFACE MOUNTED LED OUTDOOR CANOPY LIGHT

LIGHTING FIXTURE NOTES:

1. COORDINATE LUMINAIRE FINISH WITH ARCHITECT (TYPICAL).

LIGHTING CONTROL PANEL SCHEDULE

Panel Designation: LCP				Control Circuit: A-9 (120V)
Location: ELECTRICAL ROOM				Mounting: SURFACE
Relay #	**Circuit #**	**Scenario**	**Voltage**	**Description / Zone**
1	A-1,3	3	208	POLE LIGHTS- PARKING LOT
2	A-5,7	3	208	CANOPY LIGHTS- PARKING LOT
3				SPARE
4				SPARE
5				SPARE
6				SPARE
7				SPARE
8				SPARE

Scenario Listings:

(1) Scheduled ON / OFF
(2) Astronomic ON / OFF
(3) Astronomic ON / Scheduled OFF

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BRYAN P. WHITMORE
No. C 30345
Ren.: 9/30/19
STATE OF CALIFORNIA

ENGINEER

REGISTERED PROFESSIONAL ENGINEER
KENNETH R. RUBLEY
No. 11798
Exp. 9/30/20
ELECTRICAL
STATE OF CALIFORNIA

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	DATE
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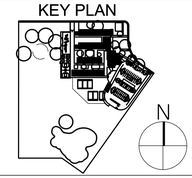
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED
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930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

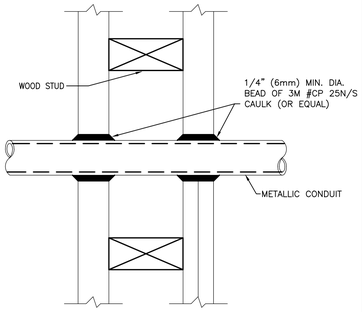
LIGHTING SCHEDULES

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
E0.5

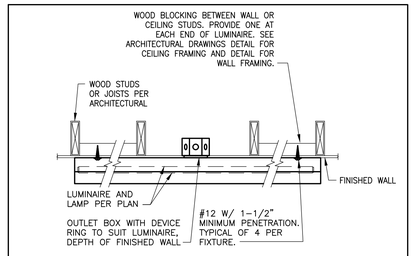


STUD WALL

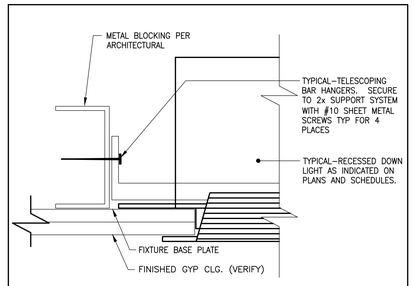
NOTES:

1. THE CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
4. INSTALL 3M FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #WL1001.

FILENAME: CONDUIT PENETRATION FIRESTOP DETAIL | NTS | 8



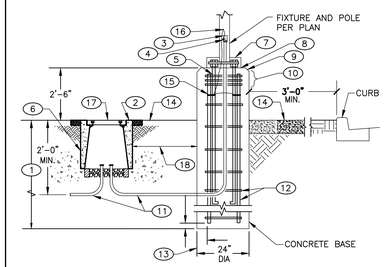
FILENAME: WALL/CEILING SURFACE LIGHT FIXTURE MOUNTING DETAIL FOR WOOD FRAMING | NTS | 5



ELCEQ01B

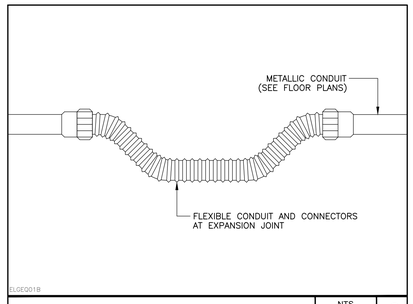
RECESSED DOWNLIGHT MOUNTING DETAIL
METAL FRAMING | NTS | 3

1. PROVIDE 48" MINIMUM FOR LIGHT POLE UP TO 25 FEET, AND 60" MINIMUM FOR LIGHT POLE UP TO 35 FEET. COORDINATE CONCRETE BASE SIZE WITH STRUCTURAL ENGINEER.
2. UNDERGROUND PULL BOX REQUIRED ADJACENT TO POLE BASE WHERE INDICATED ON DRAWINGS. SET TOP OF PULLBOX FLUSH WITH FINISHED GRADE.
3. GASKETED HANDHOLE COVER WITH TWO STAINLESS STEEL TAMPERPROOF SCREWS.
4. CONNECT GROUND WIRE TO GROUNDING LUG OF POLE AT HANDHOLE.
5. FOUR ANCHOR BOLTS, SIZE PER MANUFACTURER'S STANDARDS.
6. PROVIDE PULL BOX ONLY WHERE SHOWN ON PLAN.
7. BASECOVER, SECURE TO POLE AND/OR BASE.
8. PROVIDE 1 1/2" MINIMUM GROUT AROUND THE BASE AFTER PLUMB. SLOPE TO GRADE FOR DRAINAGE.
9. PROVIDE CONCRETE BASE WITH 1/2" CHAMFER. CONCRETE FILL AND SACK FINISH ALL CONCRETE SURFACE IMPERFECTIONS, CAVITIES AND VOIDS ABOVE FINISHED GRADE .
10. PROVIDE (3) #3 REBAR TIES, REINFORCE STEEL HOOPS 2" ON CENTERED WITHIN TOP 5"AREA.
11. CONDUIT PER PLAN.
12. PROVIDE (6) #4 REINFORCE STEEL RODS AND #3 REINFORCE STEEL HOOPS 9" ON CENTER. SIZE PER MANUFACTURER'S STANDARDS.
13. PROVIDE 3" CLEAR IF CAST AGAINST EARTH, TYPICAL.
14. FINISHED GRADE OR PAVING PER ARCHITECTURAL DRAWINGS.
15. UL LISTED GROUND CLAMP SUITABLE FOR CONCRETE ENCASEMENT OR DIRECT BURIAL. INSTALL CLAMPS ON ALL ANCHOR BOLTS, TYPICAL.
16. SPLICE GROUND WIRE AND EXTEND TO GROUND CLAMP AT ANCHOR BOLT.
17. PROVIDE TRAFFIC BOLT-DOWN COVER.
18. LOCATE PULL BOX ADJACENT TO THE POLE CONCRETE BASE.



APPLICABLE AT PARKING LOT

FILENAME: FIXTURE POLE BASE MOUNTING DETAIL | NTS | 1

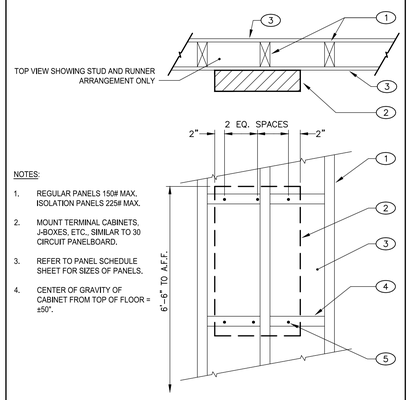


ELGEQ01B

SEISMIC JOINT CONDUIT DETAIL | NTS | 6

KEY NOTES:

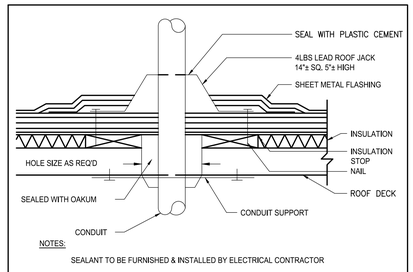
1. WOOD STUD
2. SURFACE MOUNTED PANEL CABINET
3. SHEET ROCK OR OTHER WALL SURFACE MATERIAL (SEE ARCH. DRAWINGS)
4. WOOD STUDS FASTENED TO VERTICAL STUDS AT EACH END WITH TWO 16D NAILS AT EACH END
5. 5/16" X 2 1/2" LAG SCREWS (BY ELECTRICAL CONTRACTOR)



NOTES:

1. REGULAR PANELS 150# MAX, ISOLATION PANELS 225# MAX.
2. MOUNT TERMINAL CABINETS, J-BOXES, ETC., SIMILAR TO 30 CIRCUIT PANELBOARD.
3. REFER TO PANEL SCHEDULE SHEET FOR SIZES OF PANELS.
4. CENTER OF GRAVITY OF CABINET FROM TOP OF FLOOR = ±50".

FILENAME: SURFACE PANELBOARD/CABINET WOOD FRAMING MOUNTING DETAIL | NTS | 4

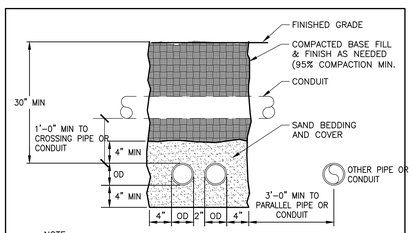


NOTES:

SEALANT TO BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR

ELGEQ01B

ROOF CONDUIT PENETRATION DETAIL | NTS | 7



NOTE:
TRENCHING LOCATED IN PAVED AREAS – ALL EARTHWORK AND REPAIR SHALL BE IN ACCORDANCE WITH AGENCY THAT HAS JURISDICTION.

FILENAME: TYPICAL TRENCH DETAIL | NTS | 2

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Job #: 19-2007

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ENGINEER: REGISTERED PROFESSIONAL ENGINEER KENNETH R. RUBLEY No. 11798 Exp. 9/30/20 ELECTRICAL STATE OF CALIFORNIA

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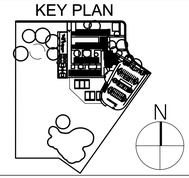
KEY PLAN



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CONSTRUCTION DOCUMENTS

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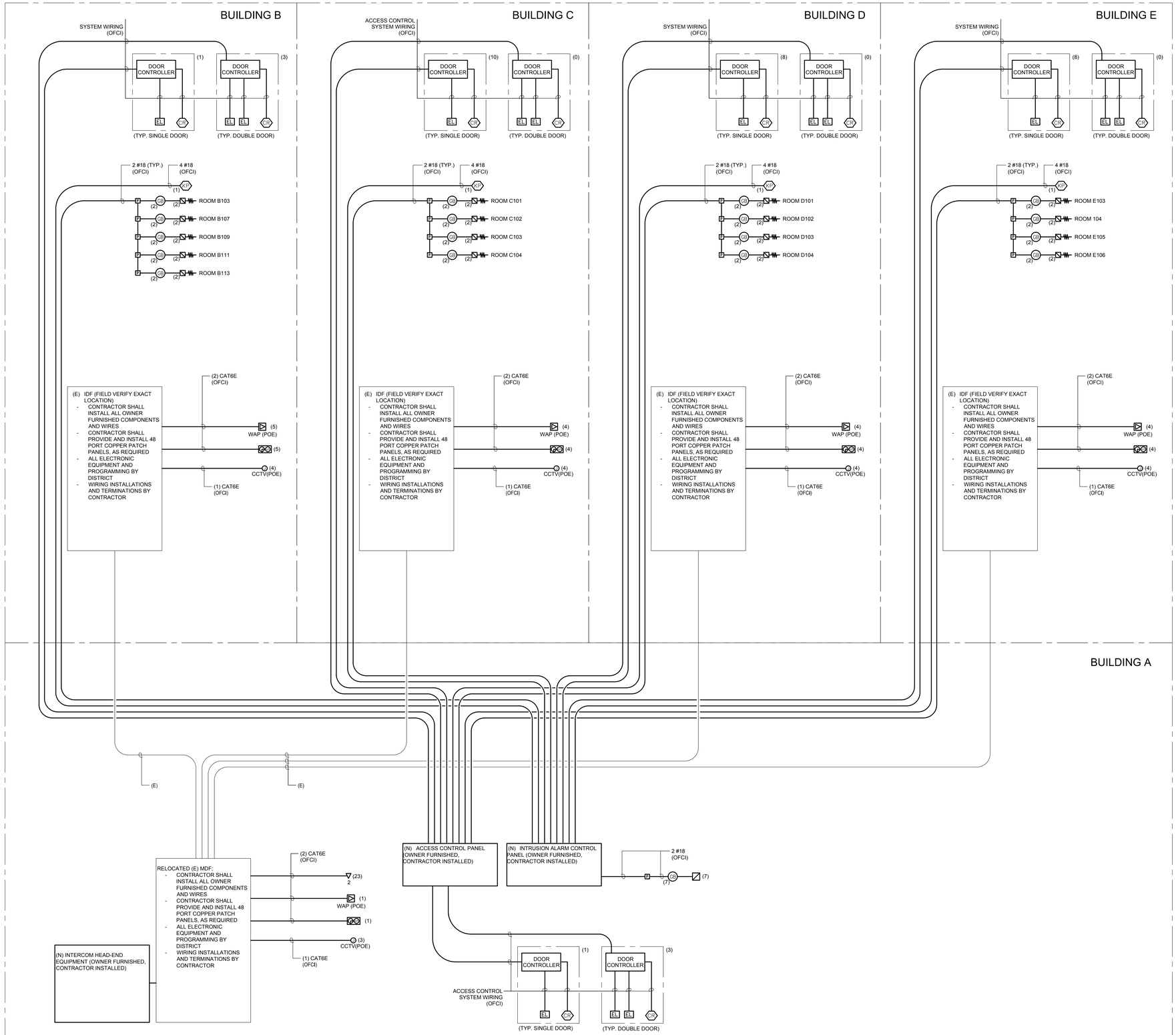
TYPICAL ELECTRICAL DETAILS

Date: 03/18/19
Scale: AS NOTED
Project Number: 19003.1
Drawing Number: E0.6



LOW VOLTAGE SYSTEMS NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
2. LOW VOLTAGE SYSTEMS ARE FURNISHED BY OWNER/DISTRCT, AND INSTALLED BY CONTRACTOR, PER THE DISTRICT STANDARD (OFCI).
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR MASTER CLOCK, INTERCOM, INTRUSION AND ACCESS CONTROL SYSTEMS, BASED ON DISTRICT STANDARDS, INCLUDING DEVICES/COMPONENTS LOCATIONS AND CONNECTION DIAGRAMS, FOR REVIEW AND APPROVAL.
4. CONTRACTOR SHALL PROVIDE AND INSTALL ALL BOXES, CABINETS AND PATHWAYS, AND INSTALL ALL OWNER FURNISHED DEVICES, EQUIPMENT AND WIRES. CONTRACTOR SHALL MAKE THE FINIAL WIRING TERMINATIONS.

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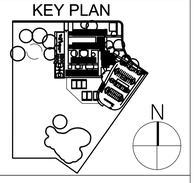
KEY PLAN



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LOW VOLTAGE SYSTEMS DIAGRAM

Date
03/18/19

Scale
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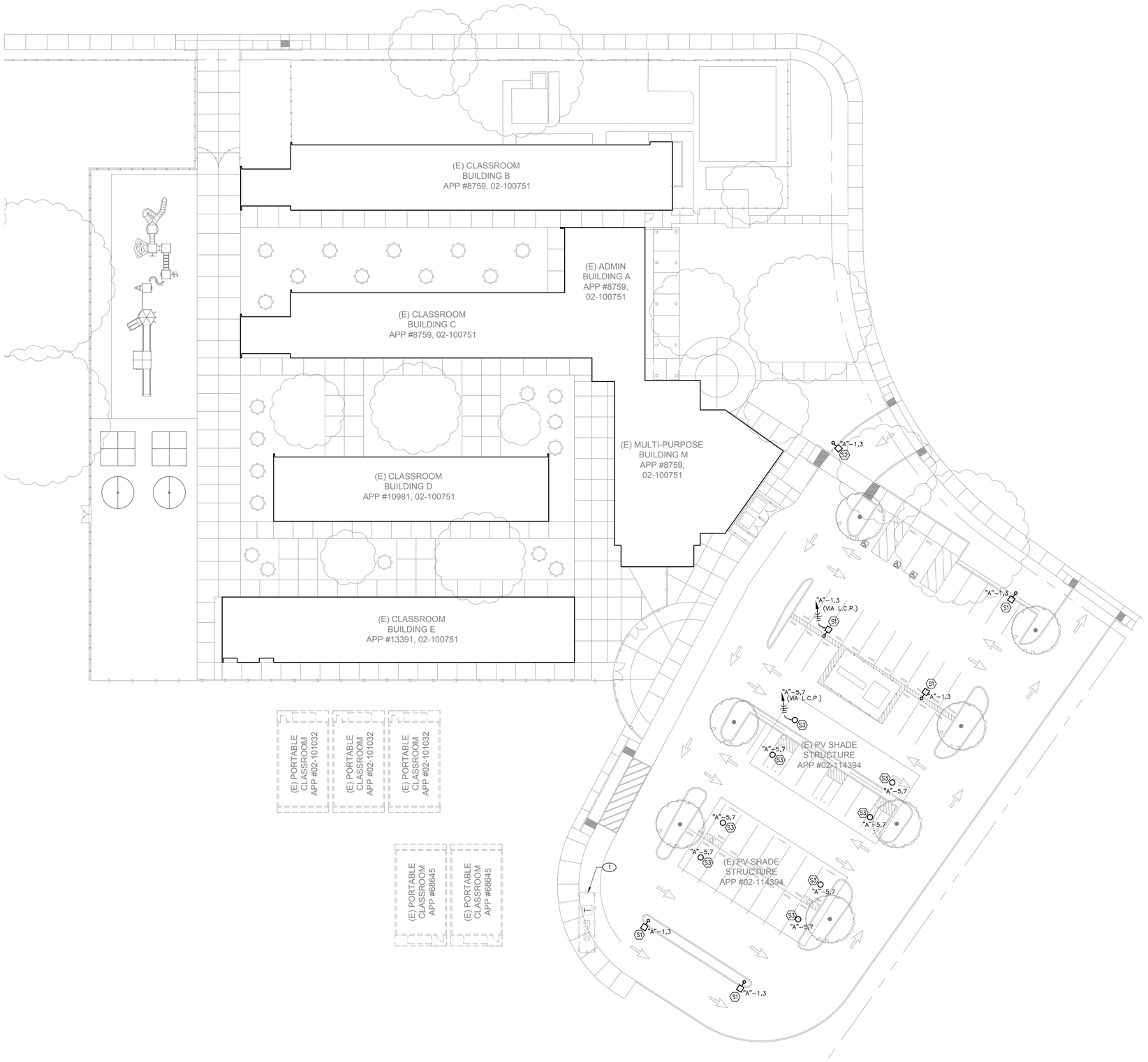
Project Number
19003.1

Drawing Number
E0.7



KEY NOTES

1. DEMOLISH AND REMOVE EXISTING DISTRIBUTION CONTROL PANEL AND TRANSFORMER. REMOVE THE FEEDERS CONDUCTORS TO THE PANEL/EQUIPMENT. ABANDON UNDERGROUND CONDUITS.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

SITE ELECTRICAL PLAN 1

SCALE: 1" = 20'-0"

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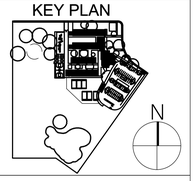

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ELECTRICAL SITE PLAN

Date
03/18/19

Scale
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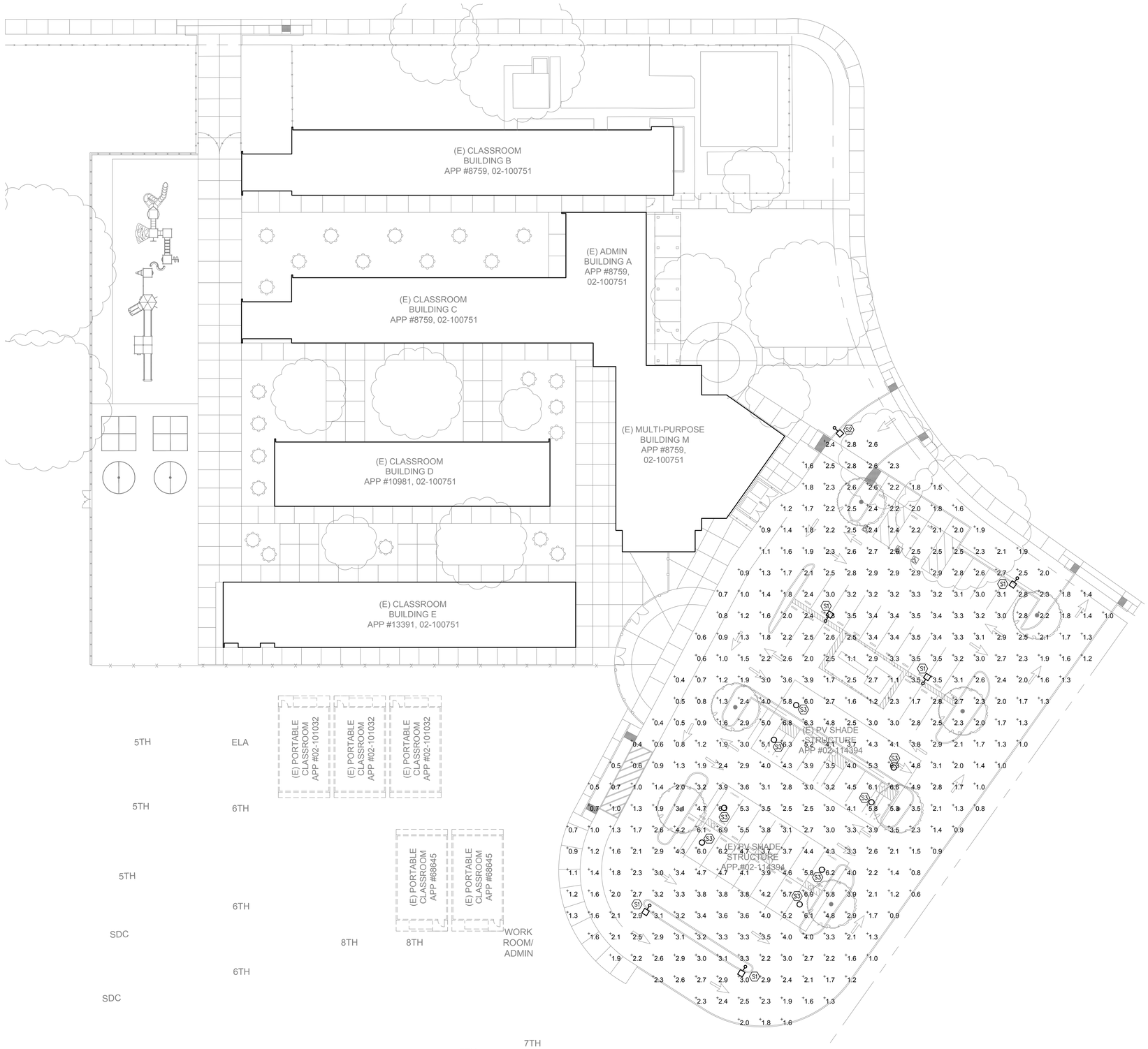
Project Number
19003.1

Drawing Number
E1.1



SITE PHOTOMETRIC PLAN- PARKING LOT 1

SCALE: 1" = 20'-0"

Illuminance Calculation Summary						
Calculation Grid Description	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**
Parking Lot	Fc	2.6	6.9	0.4	6.5:1	17.3:1

Luminaire Schedule							
Symbol	**Qty**	**Fixture Type**	**Manufacturer and Part Number**	**Mounting Height (MH)**	**LLF**	**Lumens**	**Watts**
○-□	5	S1	SEE LIGHTING FIXTURE SCHEDULE	25' POLE	1.00	15400	160
○-□	1	S2	SEE LIGHTING FIXTURE SCHEDULE	25' POLE	1.00	14620	160
○	8	S3	SEE LIGHTING FIXTURE SCHEDULE	CEILING SURFACE	1.00	6000	69

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○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
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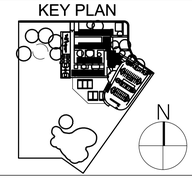
○ CONSTRUCTION	

KEY PLAN



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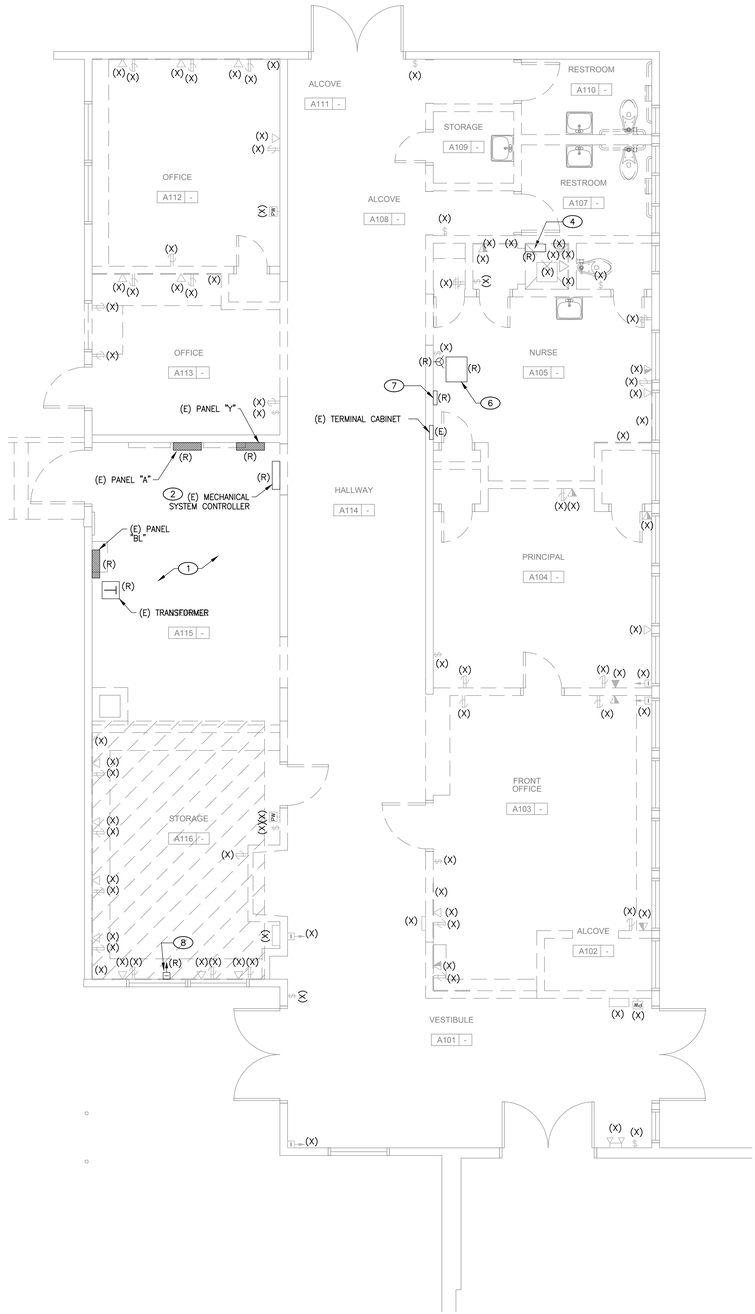
SITE PHOTOMETRIC PLAN

Date
03/18/19

Drawing Number
E1.2

Scale
AS NOTED

Project Number
19003.1



BUILDING A - ELECTRICAL DEMOLITION PLAN 1

SCALE: 1/4" = 1'-0"

KEY NOTES

1. BASEMENT STORAGE: OPERATIONAL EXISTING ELECTRICAL EQUIPMENT SHALL BE RELOCATED DUE TO RAISING OF THE ROOM FLOOR. SEE KEY NOTE 1 ON SHEET EA2.2 FOR NEW LOCATIONS. DEMOLISH EXISTING NON OPERATIONAL SYSTEMS COMPONENTS, INCLUDING WIRING AND CONDUITS, AS POSSIBLE.
2. EXISTING EMS CONTROL PANEL TO BE RELOCATED. SEE KEY NOTE 2 ON SHEET EA2.2 FOR THE NEW LOCATION.
3. NOT USED.
4. EXISTING TELEPHONE SYSTEM EQUIPMENT AND TERMINAL BLOCKS TO BE RELOCATED. SEE KEY NOTE 4 ON SHEET EA2.2 FOR NEW LOCATION.
5. NOT USED.
6. EXISTING DATA RACK TO BE RELOCATED. SEE KEY NOTE 6 ON SHEET EA2.2 FOR NEW LOCATION.
7. EXISTING FIBER OPTIC PANEL TO BE RELOCATED. SEE KEY NOTE 7 ON SHEET EA2.2 FOR NEW LOCATION.

GENERAL NOTES

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON DEMO PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
3. REMOVE ALL INTERIOR LIGHTING FIXTURES, CONTROLS, POWER DEVICES, AND TEL/DATA WALL DEVICES INSIDE THE ADMIN BUILDING. REMOVE THE WIRES AS NECESSARY AND POSSIBLE. REMOVE THE ACCESSIBLE CONDUITS, AS POSSIBLE.

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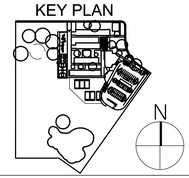

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WESTMORE OAKS ELEMENTARY SCHOOL

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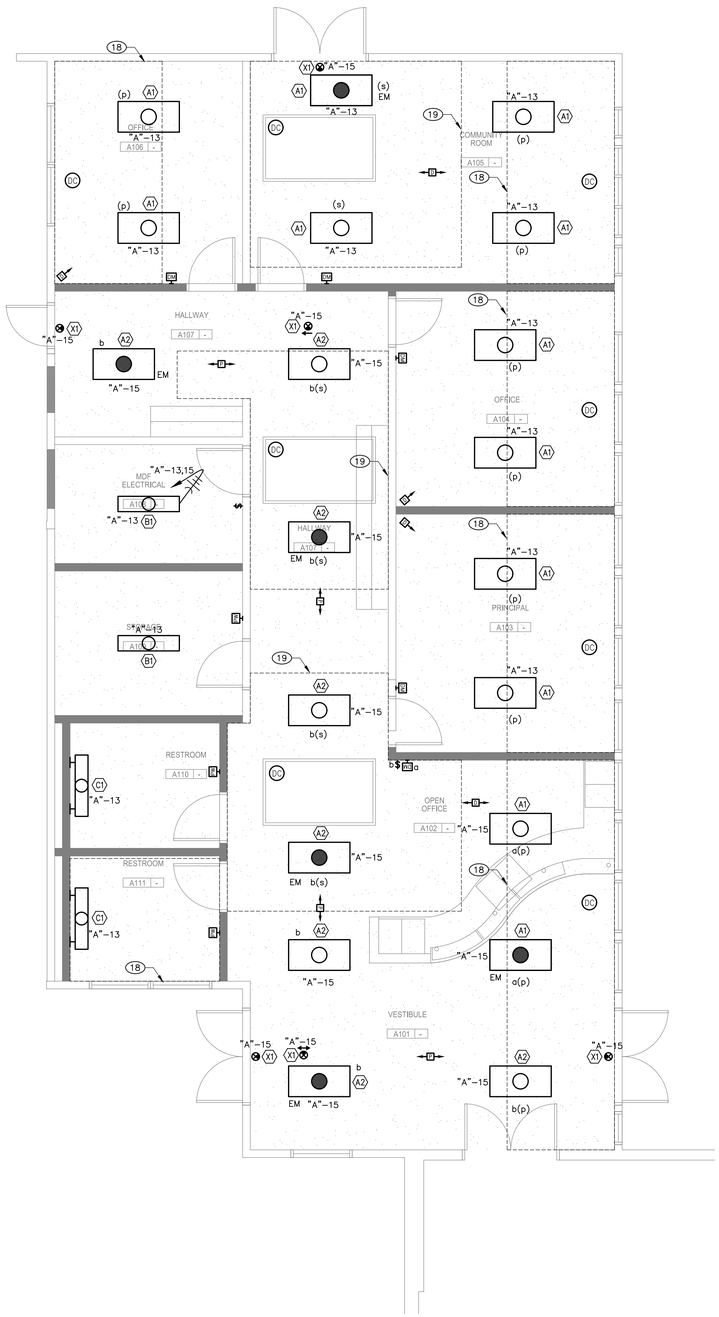
BUILDING A
ELECTRICAL DEMOLITION PLAN

Date
03/18/19

Scale
AS NOTED

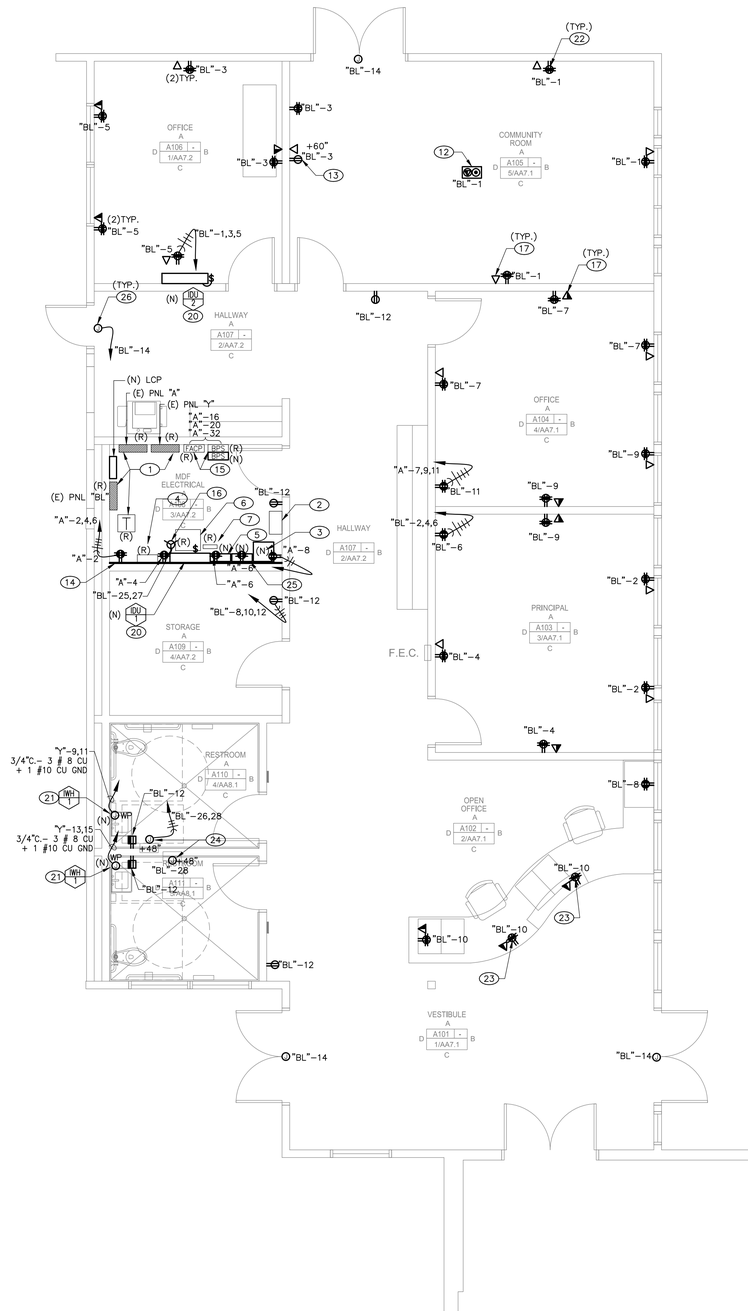
Project Number
19003.1

Drawing Number
EA2.1



BUILDING A - LIGHTING PLAN 1

SCALE: 1/4" = 1'-0"



BUILDING A - ELECTRICAL PLAN 2

SCALE: 1/4" = 1'-0"

KEY NOTES

1. RELOCATED POWER EQUIPMENT FROM BASEMENT. SEE KEY NOTE 1 ON SHEET EA2.1 FOR MORE INFORMATION. RE-ROUTE THE FEEDERS AND CIRCUITS TO NEW LOCATION AND RECONNECT. PROVIDE ALL REQUIRED COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM.
2. RELOCATED EMS CONTROL PANEL. SEE SEE KEY NOTE 2 ON SHEET EA2.1 AND SHEET MA2.1 FOR MORE INFORMATION. ELECTRICAL CONTRACTOR SHALL RE-ROUTE THE CONDUITS AND POWER CIRCUIT CONDUCTORS TO THE NEW LOCATION, AND RE-CONNECT. CONTROL WIRING AND TERMINATIONS, BY MECHANICAL CONTRACTOR. PROVIDE (1) CAT 6 DATA CABLE FROM THE DATA RACK FOR CONNECTION.
3. NEW INTERCOM SYSTEM. SEE SHEET EA2.4 FOR MORE INFORMATION.
4. RELOCATED EXITING TELEPHONE SYSTEM EQUIPMENT AND TERMINAL BLOCKS. SEE KEY NOTE 4 ON SHEET EA2.1 FOR MORE INFORMATION. RE-ESTABLISH THE CONNECTIONS TO THE EXITING AND NEW DEVICES, FOR A COMPLETE AND OPERATIONAL SYSTEM.
5. NEW INTRUSION ALARM SYSTEM CONTROL PANEL. SEE SHEET EA2.4 FOR MORE INFORMATION.
6. RELOCATED DATA RACK. SEE KEY NOTE 6 ON SHEET EA2.1 AND SHEET EA2.4 FOR MORE INFORMATION.
7. RELOCATED FIBER OPTIC PANEL SYSTEM. SEE KEY NOTE 7 ON SHEET EA2.1 FOR MORE INFORMATION.
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. PROVIDE FLOOR MOUNTED COMBO DUPLEX RECEPTACLE AND TELEPHONE/DATA OUTLETS.
13. DUPLEX RECEPTACLE/DATA OUTLET @ +60" TO TOP OF BOX. PROVIDE (2) CAT-6 WIRE TO THE RELOCATED DATA RACK.
14. (N) TELEPHONE TELEPHONE/SIGNAL BACKBOARD.
15. PROVIDE 120V POWER CONNECTIONS TO RELOCATED, AND NEW, FIRE ALARM EQUIPMENT. SEE SHEET FA2.1 FOR MORE INFORMATION. CIRCUIT BREAKER IN THE ELECTRICAL PANEL SHALL BE MARKED RED AND EQUIPPED WITH LOCK-ON DEVICE.
16. PROVIDE POWER OUTLET FOR THE RELOCATED DATA RACK. MATCH NEMA CONFIGURATION W/THE RACK PLUG.
17. DATA AND DATA/TEL. OUTLETS, TYPICAL. PROVIDE (2) CAT-6 WIRE TO THE RELOCATED DATA RACK.
18. PRIMARY SIDELIT DAYLIT ZONE. LIGHT FIXTURES WITH "(p)" IN SWITCHING DESIGNATION SHALL BE CONTROLLED BY PRIMARY SIDELIT DAYLIT ZONE PHOTOCONTROL SENSOR, INDEPENDENTLY FROM OTHER FIXTURES.
19. PRIMARY SKYLIT DAYLIT ZONE. LIGHT FIXTURES WITH "(s)" IN SWITCHING DESIGNATION SHALL BE CONTROLLED BY PRIMARY SIDELIT DAYLIT ZONE PHOTOCONTROL SENSOR, INDEPENDENTLY FROM OTHER FIXTURES.
20. MECHANICAL INDOOR UNIT; 208V/1Ø. TO BE FED FROM ASSOCIATED OUTDOOR UNIT, ON THE ROOF. PROVIDE HEAVY DUTY MOTOR RATED SWITCH AS DISCONNECT.
21. INSTANT WATER HEATER; 208V/1Ø. PROVIDE LOCK-OFF CIRCUIT BREAKER IN THE PANEL FOR THE CIRCUIT FEEDING THE WATER HEATER.
22. CONTROLLED/UNCONTROLLED RECEPTACLES; BASIS OF DESIGN FOR CONTROLLED RECEPTACLES IS LEVITON CR020-2PW. CONTROLLED RECEPTACLE SHALL BE MARKED PROPERLY FOR IDENTIFICATION, PER CEC 406.3(E).
23. ABOVE COUNTER RECEPTACLES AND OUTLETS. RUN CONDUITS RECESSED IN WALLS OR CASEWORKS.
24. PROVIDE 120V POWER CONNECTION FOR HAND DRYER. AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND INSTALLATION HEIGHT.
25. NEW ACCESS CONTROL PANEL. SEE SHEET EA2.4 FOR MORE INFORMATION.
26. PROVIDE 120V POWER CONNECTION, ABOVE THE DOOR, FOR DOOR CONTROLLER.

GENERAL NOTES

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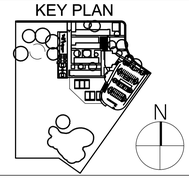

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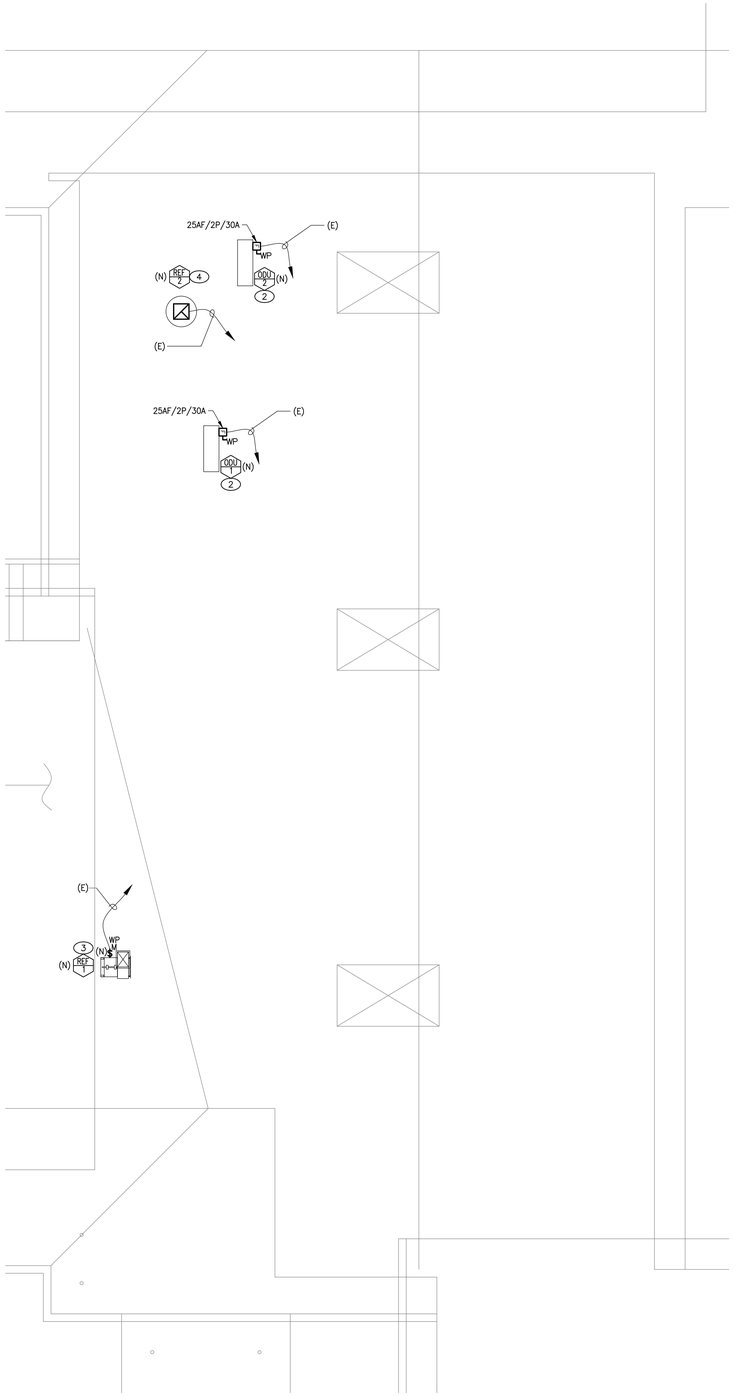
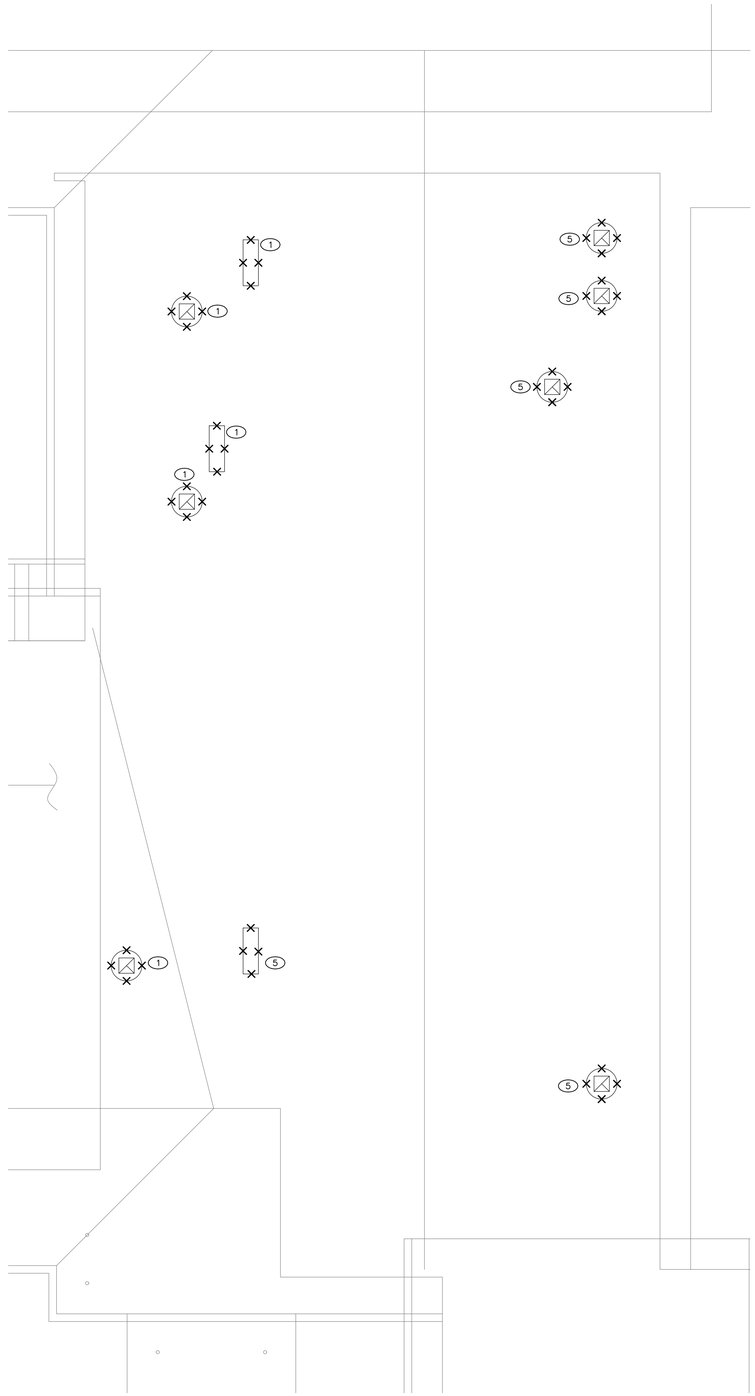
BUILDING A
ELECTRICAL PLAN

Date: 03/18/19
Scale: AS NOTED
Project Number: 19003.1
Drawing Number: EA2.2



BUILDING A - ELECTRICAL ROOF PLAN 2

SCALE: 1/4" = 1'-0"



BUILDING A - ELECTRICAL DEMOLITION ROOF PLAN 1

SCALE: 1/4" = 1'-0"

KEY NOTES

1. EXISTING MECHANICAL EQUIPMENT TO BE DEMOLISHED. DISCONNECT FROM THE POWER SOURCE; DEMOLISH THE DISCONNECTING MEANS. CIRCUIT CONDUCTORS AND CONDUITS TO REMAIN FOR RE-CONNECTION TO NEW UNITS.
2. ODU; 208V/1Ø, 19A MCA, 26A MOCP. PROVIDE NEW WEATHERPROOF DISCONNECT SWITCH AND RE-CONNECT TO THE EXISTING CIRCUIT.
3. REF-1; 120V/1Ø, 0.25 HP. PROVIDE NEW WEATHERPROOF DISCONNECT SWITCH AND RE-CONNECT TO THE EXISTING CIRCUIT.
4. REF-2; 120V/1Ø, 0.07 HP. RE-CONNECT TO THE EXISTING CIRCUIT.
5. EXISTING MECHANICAL EQUIPMENT TO BE DEMOLISHED. DISCONNECT FROM THE POWER SOURCE; DEMOLISH THE DISCONNECTING MEANS AND THE CIRCUITS. REMOVE CONDUCTORS AND CONDUITS. UPDATE THE RELATED ELECTRICAL PANELBOARDS DIRECTORY, REFLECTING THE DEMOLISHED CIRCUITS.

GENERAL NOTES

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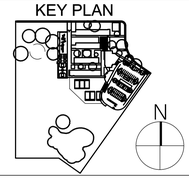

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BUILDING A
ELECTRICAL ROOF PLAN

Date
03/18/19

Scale
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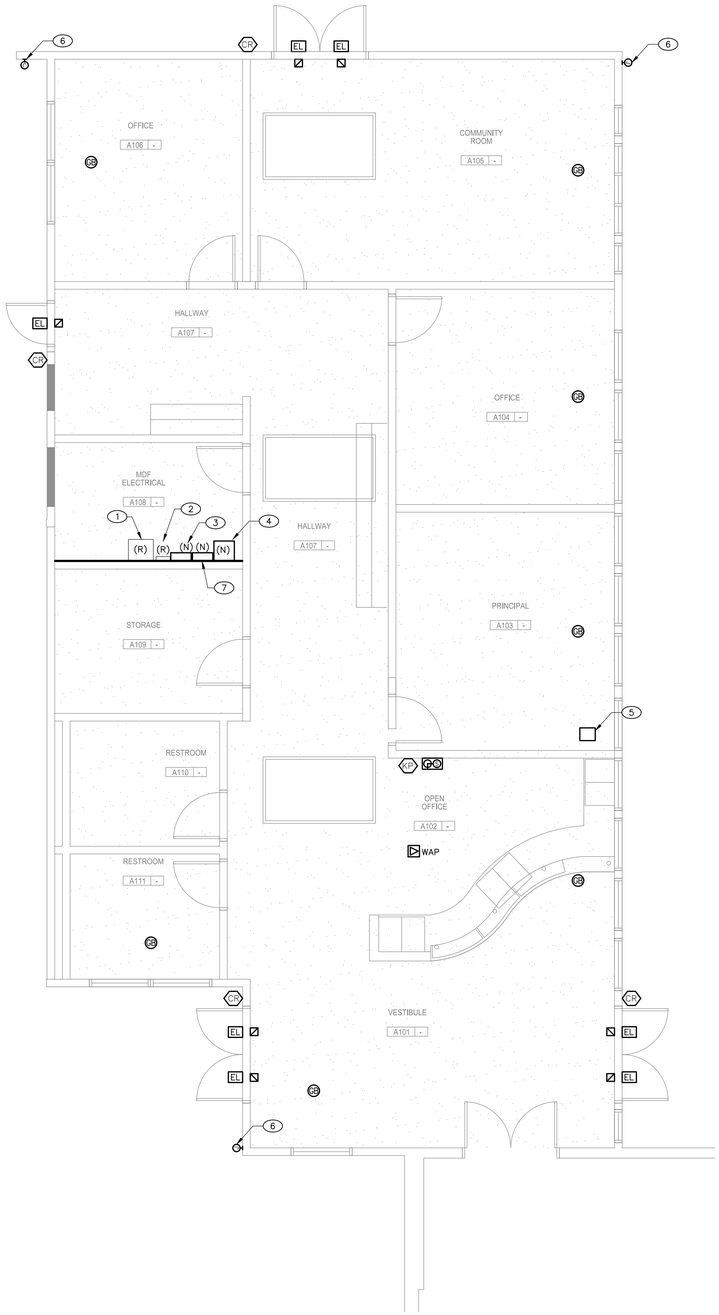
Project Number
19003.1

Drawing Number
EA2.3



BUILDING A LOW VOLTAGE PLAN 1

SCALE: 1/4" = 1'-0"

KEY NOTES

1. RELOCATED MDF RACK. INSTALL THE NEW VOICE/DATA, CCTV AND MASTER CLOCK EQUIPMENT, PROVIDED BY OWNER. RE-ESTABLISH THE CONNECTIONS TO THE RELOCATED/EXITING AND NEW DEVICES/EQUIPMENT, FOR A COMPLETE AND OPERATIONAL SYSTEM.
2. RELOCATED FIBER OPTIC PANEL SYSTEM. RE-ESTABLISH THE CONNECTIONS, FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. INSTALL THE NEW INTRUSION ALARM SYSTEM CONTROL PANEL, PROVIDED BY OWNER. ESTABLISH THE CONNECTIONS TO THE NEW AND RELOCATED/EXITING DEVICES, FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. INSTALL THE NEW INTERCOM SYSTEM, PROVIDED BY OWNER. ESTABLISH THE CONNECTIONS TO THE NEW AND RELOCATED/EXITING DEVICES, FOR A COMPLETE AND OPERATIONAL SYSTEM.
5. PROVIDE PORTABLE ASSISTIVE LISTENING SYSTEM WITH MINIMUM (2) RECEIVERS AND HEADSETS. BOTH (2) HEADSETS SHALL BE HEARING AID COMPATIBLE PER CBC-11B-706.3 REQUIREMENTS. [BASIS OF DESIGN IS "LISTEN TECHNOLOGIES LISTENTALK PORTABLE ADA KIT"; WITH MINIMUM (2) "LK-1 LISTENTALK" TRANSCEIVERS, (2) "LA-451" HEADSET 1 (EAR SPEAKER W/ BOOM MIC.), (2) NECK LOOPS "LA-166", (2) "LA-436" MICROPHONE INPUT/HEADPHONE OUTPUT CABLES, RECHARGEABLE BATTERIES, BATTERY CHARGERS, AND PORTABLE CARRYING CASE.]
6. PROVIDE WEATHERPROOF JUNCTION BOX AT 9' A.F.G. (UNO) FOR DISTRICT PROVIDED SECURITY CAMERAS. ELECTRICAL CONTRACTOR SHALL INSTALL THE CAMERA AND WIRING. COORDINATE WITH DISTRICT FOR EXACT LOCATION, AND INSTALLATION HEIGHT PRIOR TO ANY WORK.
7. INSTALL THE NEW ACCESS CONTROL SYSTEM CONTROL PANEL, PROVIDED BY OWNER. ESTABLISH THE CONNECTIONS TO THE NEW DEVICES, FOR A COMPLETE AND OPERATIONAL SYSTEM.

GENERAL NOTES

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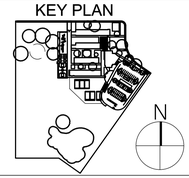

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BUILDING A ELECTRICAL LOW VOLTAGE SYSTEM PLAN

Date
03/18/19

Scale
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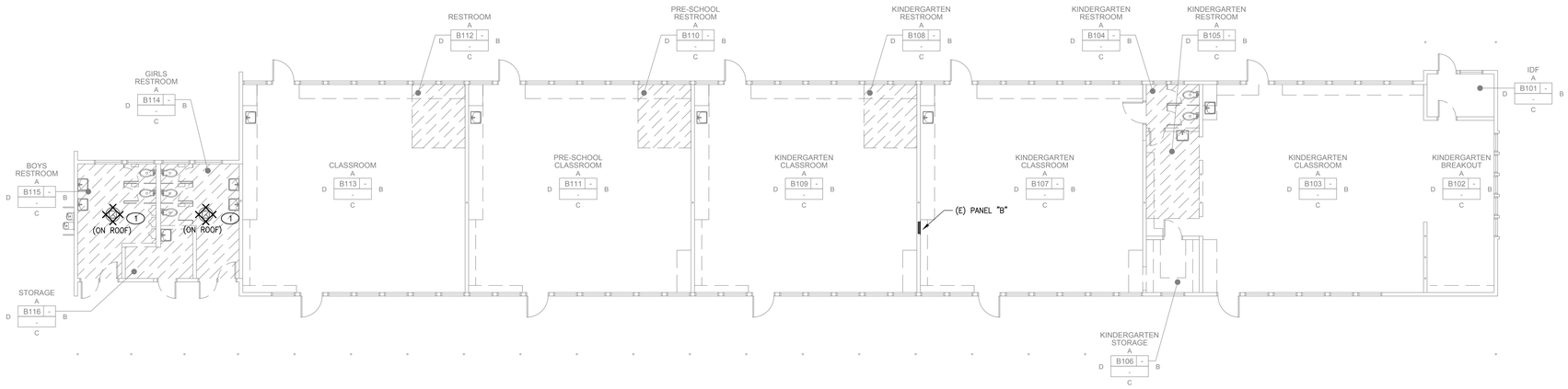
Project Number
19003.1

Drawing Number
EA2.4



BUILDING B - ELECTRICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. DISCONNECT EXISTING CIRCUIT FROM THE EXISTING EXHAUST FAN TO BE DEMOLISHED. CIRCUIT TO REMAIN.
2. EXHAUST FAN REF-3; 115V/Ø, 0.1 HP. RE-CONNECT THE NEW EXHAUST FAN TO THE EXISTING CIRCUIT.
3. EXHAUST FAN CEF-1; 115V/1Ø, 8 WATTS. CONNECT TO THE ROOM LIGHTING CIRCUIT. INTERLOCK THE CONTROLS WITH THE ROOM LIGHTING CONTROLS. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
4. ELECTRICAL WATER HEATER 208/1Ø, 4000 WATTS.
5. PROVIDE 120V POWER CONNECTION W/ DEDICATED CIRCUIT FOR HAND DRYER AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND INSTALLATION HEIGHT.
6. BID ALT-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING WITH RECESSED MOUNTED OUTLETS. INSTEAD OF SURFACE MOUNTED WIRE-MOLD. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
7. PROVIDE 120V POWER CONNECTION, ABOVE THE DOOR, FOR DOOR CONTROLLER.

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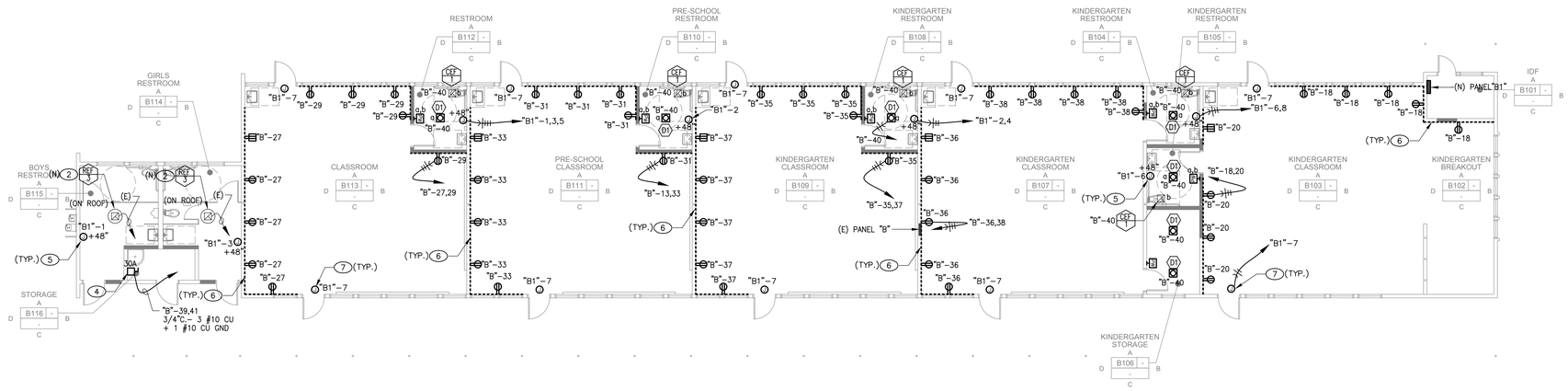

BUILDING B - ELECTRICAL PLAN 2

SCALE: 1/8" = 1'-0"

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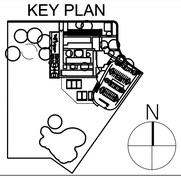
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



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930 WESTACRE ROAD
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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

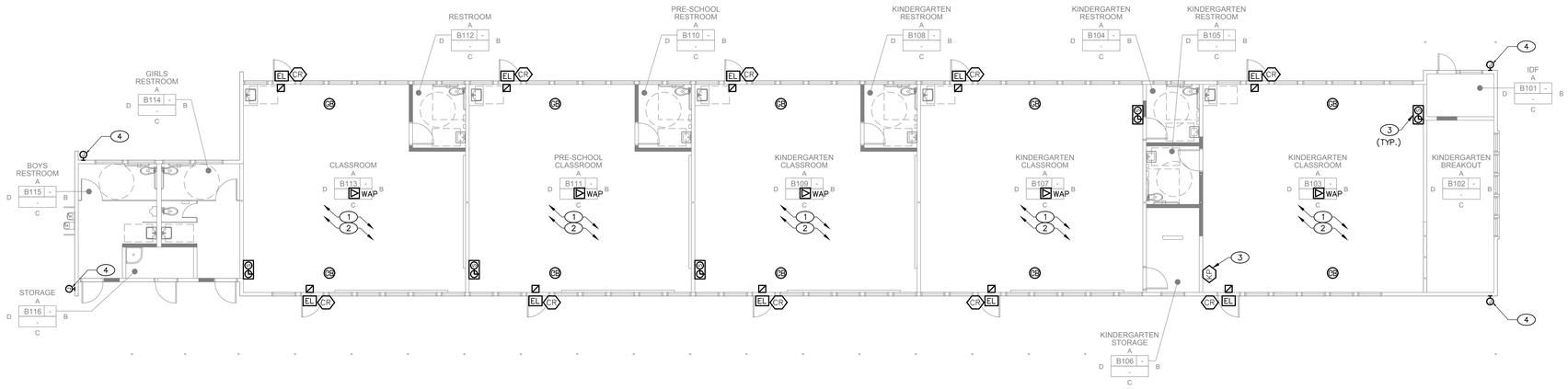
BUILDING B
ELECTRICAL PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
EB2.1



BUILDING B ELECTRICAL LOW VOLTAGE PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. BASE BID; PROVIDE SURFACE MOUNTED RACEWAY SYSTEM FOR REQUIRED WIRING.
2. BID ALT-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING, INSTEAD OF SURFACE MOUNTED RACEWAYS. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
3. COORDINATE THE EXACT LOCATION WITH DISTRICT PRIOR TO ANY WORK.
4. PROVIDE WEATHERPROOF JUNCTION BOX AT 9' A.F.G. (UNO) FOR DISTRICT PROVIDED SECURITY CAMERAS. ELECTRICAL CONTRACTOR SHALL INSTALL THE CAMERA AND WIRING. COORDINATE WITH DISTRICT FOR EXACT LOCATION, AND INSTALLATION HEIGHT PRIOR TO ANY WORK.

GENERAL NOTES

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Job #: 19-2007

ARCHITECT: LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER KENNETH R. RUBLEY No. 11798 Exp. 9/30/20 ELECTRICAL STATE OF CALIFORNIA

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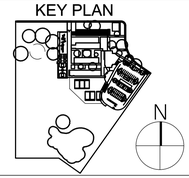

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CONSTRUCTION DOCUMENTS

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SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

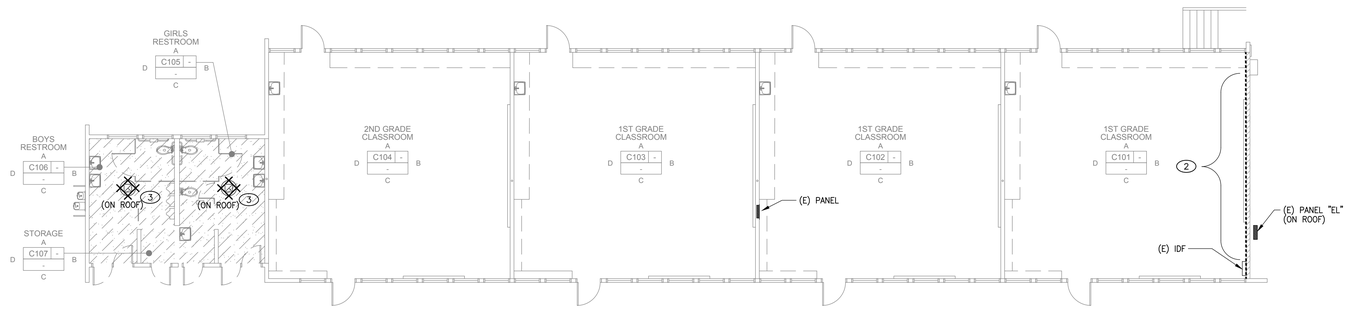
BUILDING B ELECTRICAL
LOW VOLTAGE SYSTEM
PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
EB2.2

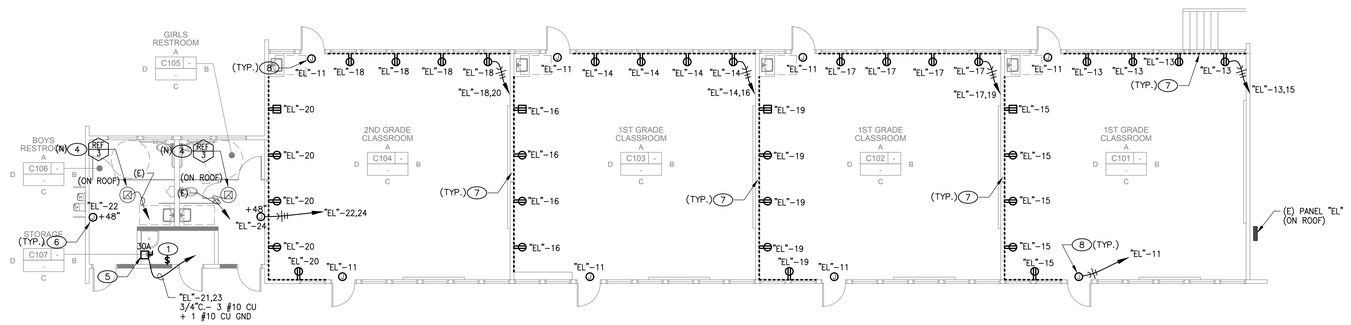


BUILDING C - ELECTRICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. REMOVE AND RE-INSTALL THE WALL LIGHT CONTROLS AS SHOWN
2. REMOVE THE EXISTING ELECTRICAL DEVICES AND EQUIPMENT ON THE WALL AND RE-INSTALL. RECONNECT TO EXISTING ELECTRICAL CIRCUIT.
3. DISCONNECT EXISTING CIRCUIT FROM THE EXISTING EXHAUST FAN TO BE DEMOLISHED. CIRCUIT TO REMAIN.
4. EXHAUST FAN REF-3; 115V/1Ø, 0.1 HP. RE-CONNECT THE NEW EXHAUST FAN TO THE EXISTING CIRCUIT.
5. ELECTRICAL WATER HEATER 208/1Ø, 4000 WATTS.
6. PROVIDE 120V POWER CONNECTION FOR HAND DRYER, AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND INSTALLATION HEIGHT.
7. BID ALT-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING WITH RECESSED MOUNTED OUTLETS, INSTEAD OF SURFACE MOUNTED WIRE-MOLD. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
8. PROVIDE 120V POWER CONNECTION, ABOVE THE DOOR, FOR DOOR CONTROLLER.



BUILDING C - ELECTRICAL PLAN 2

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON DEMO PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

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ENGINEER

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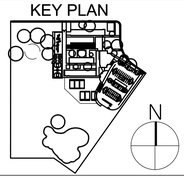

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
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WEST SACRAMENTO, CA 95691

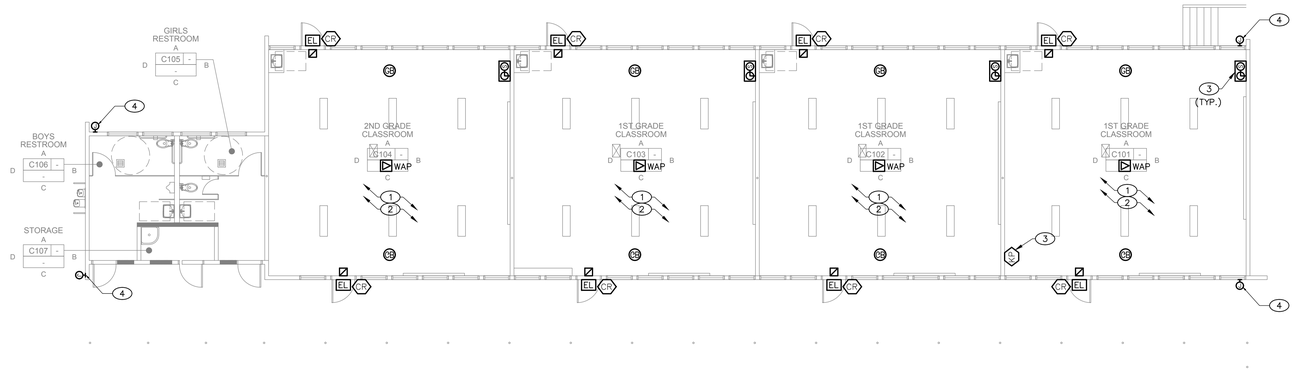
BUILDING C
ELECTRICAL PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
EC2.1



BUILDING C - ELECTRICAL LOW VOLTAGE PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. BASE BID; PROVIDE SURFACE MOUNTED RACEWAY SYSTEM FOR REQUIRED WIRING.
2. BID ALT.-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING, INSTEAD OF SURFACE MOUNTED RACEWAYS. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
3. COORDINATE THE EXACT LOCATION WITH DISTRICT PRIOR TO ANY WORK.
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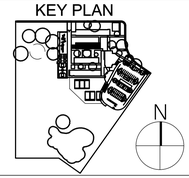

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WEST SACRAMENTO, CA 95691

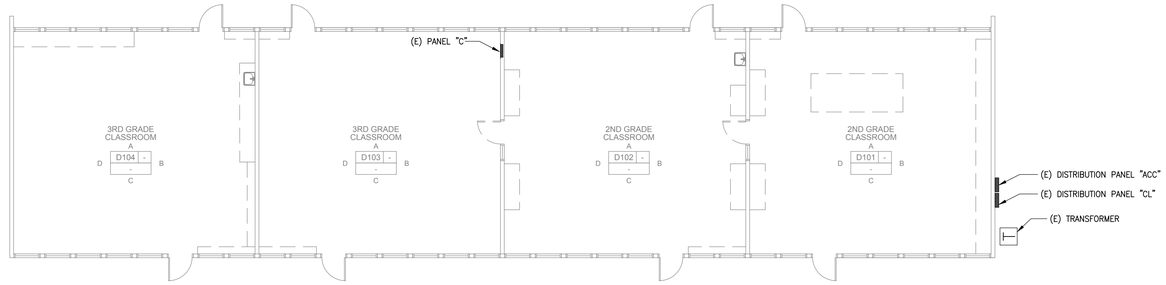
BUILDING C ELECTRICAL LOW VOLTAGE SYSTEM PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
EC2.2



BUILDING D - ELECTRICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. BID ALT-1: PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING WITH RECESSED MOUNTED OUTLETS, INSTEAD OF SURFACE MOUNTED WIRE-MOLD. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
2. PROVIDE 120V POWER CONNECTION, ABOVE THE DOOR, FOR DOOR CONTROLLER.

GENERAL NOTES

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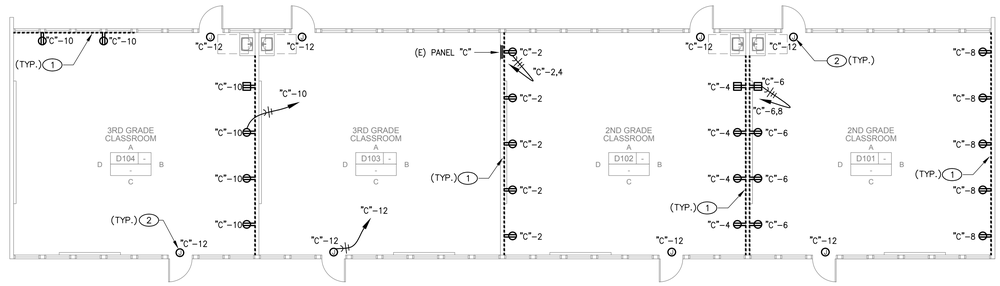

BUILDING D - ELECTRICAL PLAN 2

SCALE: 1/8" = 1'-0"

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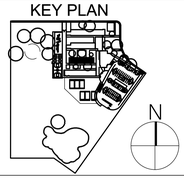

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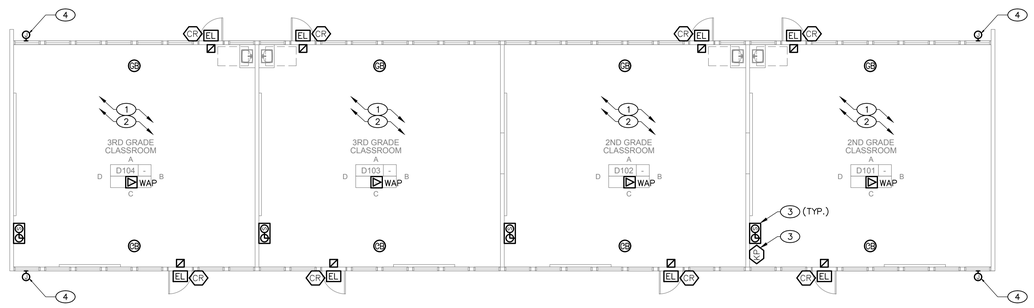
BUILDING D
ELECTRICAL PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
ED2.1



BUILDING D - ELECTRICAL LOW VOLTAGE PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. BASE BID; PROVIDE SURFACE MOUNTED RACEWAY SYSTEM FOR REQUIRED WIRING.
2. BID ALT-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING, INSTEAD OF SURFACE MOUNTED RACEWAYS. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
3. COORDINATE THE EXACT LOCATION WITH DISTRICT PRIOR TO ANY WORK.
4. PROVIDE WEATHERPROOF JUNCTION BOX AT 9' A.F.G. (UNO) FOR DISTRICT PROVIDED SECURITY CAMERAS. ELECTRICAL CONTRACTOR SHALL INSTALL THE CAMERA AND WIRING. COORDINATE WITH DISTRICT FOR EXACT LOCATION, AND INSTALLATION HEIGHT PRIOR TO ANY WORK.

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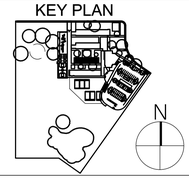

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CONSTRUCTION DOCUMENTS

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SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

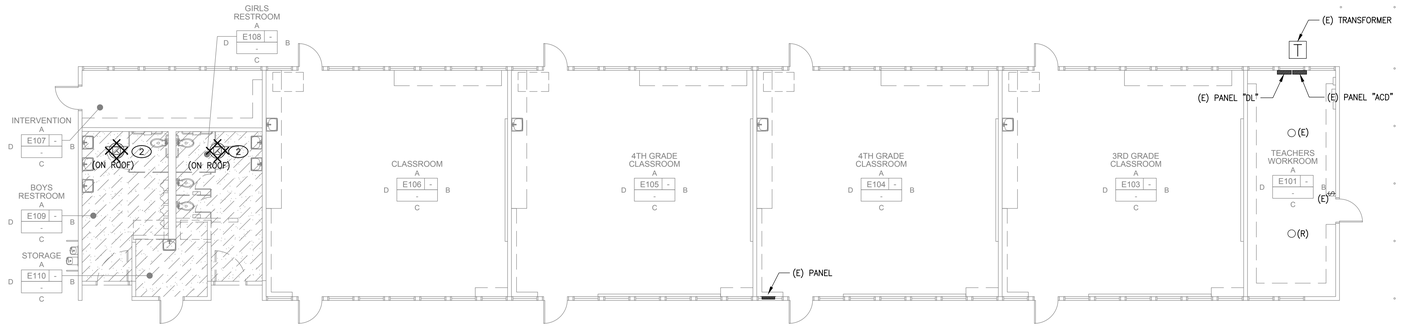
BUILDING D ELECTRICAL LOW VOLTAGE SYSTEM PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
ED2.2



BUILDING E - ELECTRICAL DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. RELOCATE THE LIGHT FIXTURE TO CENTER OF THE ROOM. PROVIDE LIGHTING CONTROL, AS SHOWN. RE-CONNECT TO THE EXISTING CIRCUIT.
2. DISCONNECT EXISTING CIRCUIT FROM THE EXISTING EXHAUST FAN TO BE DEMOLISHED. CIRCUIT TO REMAIN.
3. EXHAUST FAN REF-4; 115V/1Ø, 0.1 HP. RE-CONNECT THE NEW EXHAUST FAN TO THE EXISTING CIRCUIT.
4. ELECTRICAL WATER HEATER 208/1Ø, 4000 WATTS.
5. PROVIDE 120V POWER CONNECTION FOR HAND DRYER. AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND INSTALLATION HEIGHT.
6. BID ALT-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING WITH RECESSED MOUNTED OUTLETS, INSTEAD OF SURFACE MOUNTED WIRE-MOLD. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
7. PROVIDE 120V POWER CONNECTION, ABOVE THE DOOR, FOR DOOR CONTROLLER.

GENERAL NOTES

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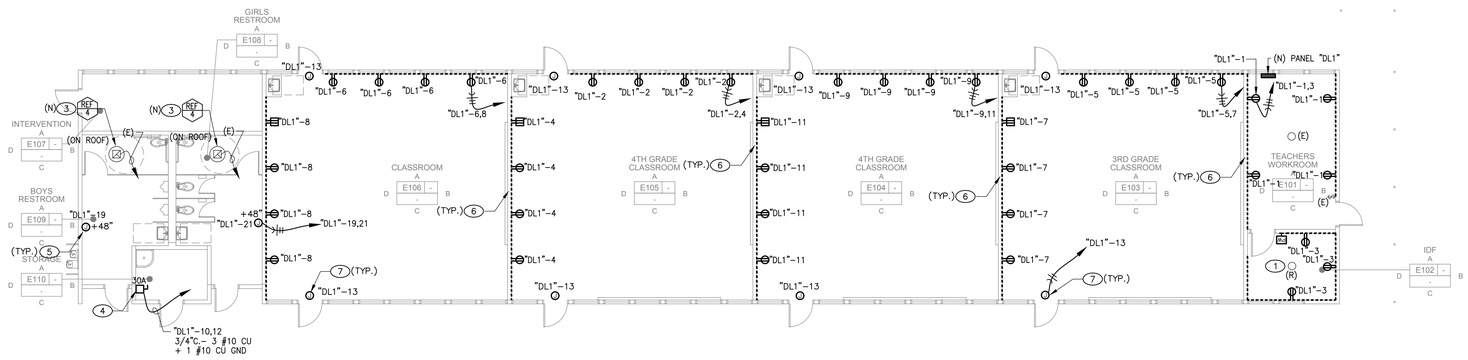

BUILDING E - ELECTRICAL PLAN 2

SCALE: 1/8" = 1'-0"

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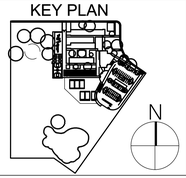

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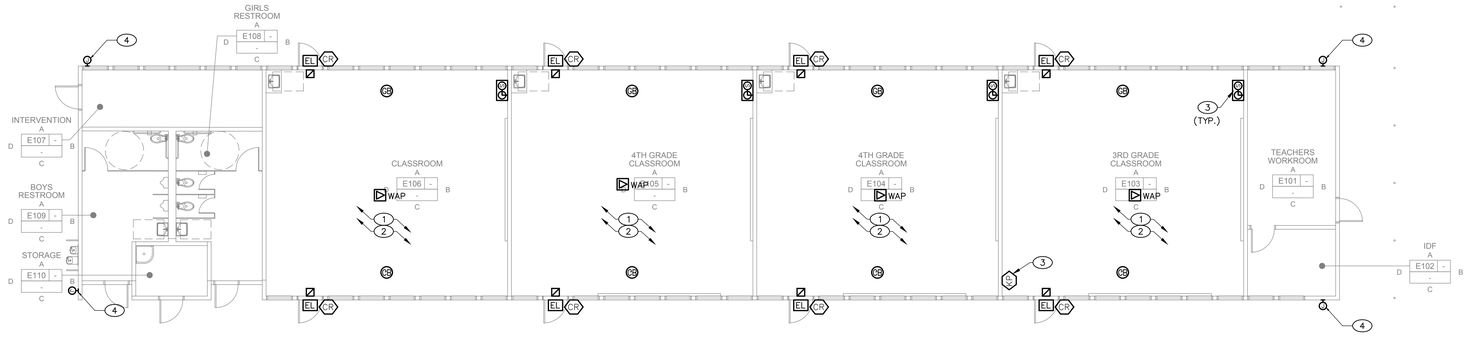
WEST SACRAMENTO, CA 95691

BUILDING E
ELECTRICAL PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number EE2.1



BUILDING E - ELECTRICAL LOW VOLTAGE PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. BASE BID; PROVIDE SURFACE MOUNTED RACEWAY SYSTEM FOR REQUIRED WIRING.
2. BID ALT.-1; PROVIDE CONCEALED CONDUIT SYSTEM AND WIRING, INSTEAD OF SURFACE MOUNTED RACEWAYS. REPAIR AND RE-FINISH AFFECTED AREAS TO MATCH EXISTING SURFACES.
3. COORDINATE THE EXACT LOCATION WITH DISTRICT PRIOR TO ANY WORK.
4. PROVIDE WEATHERPROOF JUNCTION BOX AT 9' A.F.G. (UNO) FOR DISTRICT PROVIDED SECURITY CAMERAS. ELECTRICAL CONTRACTOR SHALL INSTALL THE CAMERA AND WIRING. COORDINATE WITH DISTRICT FOR EXACT LOCATION, AND INSTALLATION HEIGHT PRIOR TO ANY WORK.

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.

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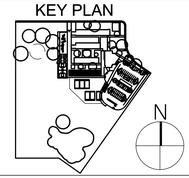
KEY PLAN



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WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING E ELECTRICAL LOW VOLTAGE SYSTEM PLAN

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
EE2.2

GOVERNING CODES & APPLICABLE STANDARDS

TITLE 24 CODES:

1. 2016 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE (CAC), (PART 1, TITLE 24, CCR).
2. 2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR).
3. 2016 CALIFORNIA ELECTRICAL CODE, (PART 3, TITLE 24, CCR).
4. 2016 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR).
5. 2016 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR).
6. 2016 CALIFORNIA ENERGY CODE, (PART 6, TITLE 24. CCR).
7. 2016 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR).
8. 2016 CALIFORNIA REFERENCE CODE, (PART 12, TITLE 24. CCR).

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

1. 2016 CBC, CHAPTER 35.
2. 2016 CFC, CHAPTER 45.
3. 2016 NFPA 72, AS AMENDED BY CFC CHAPTER 80.

FIRE ALARM ABBREVIATIONS

SYMBOL	DESCRIPTIONS
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
C	CONDUIT
CCT	CIRCUIT
CKT	CIRCUIT
(E)	EXISTING TO REMAIN
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
FAPS	FIRE ALARM POWER SUPPLY
J–BOX	JUNCTION BOX
MTD	MOUNTED
(N)	NEW
N.I.E.S.	NOT IN ELECTRICAL SCOPE OR SPECIFICATIONS
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLTS
WP	WEATHERPROOF
(X)	REMOVE

FIRE ALARM SEQUENCE OF OPERATION

ACTION	AREA SMOKE DETECTOR	AREA HEAT DETECTOR	DUCT SMOKE DETECTOR	MANUAL PULL STATION	ELEVT. LOBBY 1ST FLR. SMOKE DET.	ELEVT. LOBBY ALT FLR. SMOKE DET.	SMOKE DET. AT ELEVT. MACH RM.	WATER FLOW SWITCH	TAMPER VALVE SWITCH	SYSTEM EQUIPMENT MALFUNCTION	ANSUL SYSTEM DISCHARGE
ANNUNCIATE AT LOCAL FIRE CONTROL PANEL (ALARM CAUSING)	●	●		●	●	●	●	●			●
ANNUNCIATE AT LOCAL FIRE CONTROL PANEL (TROUBLE CAUSING)										●	
ANNUNCIATE AT LOCAL FIRE CONTROL PANEL (SUPERVISORY CAUSING)			●						●		
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (ALARM CAUSING)	●	●		●	●	●	●	●			●
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (TROUBLE CAUSING)										●	
ANNUNCIATE AT REMOTE ANNUNCIATOR PANEL (SUPERVISORY CAUSING)			●						●		
ACTIVATE NOTIFICATION APPLIANCE CIRCUIT THROUGHOUT BUILDING	●	●		●	●	●	●	●			
RECALL ELEVATOR TO FIRST FLOOR					●	●		●			●
RECALL ELEVATOR TO ALTERNATE FLOOR				●							
SHUNT ELEVATOR POWER							●				
ACTIVATE WATERFLOW BELL								●			
SHUTDOWN ASSOCIATED MECHANICAL UNIT			●						●		
TRANSMIT TO CENTRAL STATION (ALARM CAUSING)	●	●		●	●	●	●	●			
TRANSMIT TO CENTRAL STATION (TROUBLE CAUSING)			●						●		
TRANSMIT TO CENTRAL STATION (SUPERVISORY CAUSING)			●						●		

DEMOLITION GENERAL NOTES

1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON–SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING FIRE ALARM SYSTEMS AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWNS. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF–LINE BUILDING. THE SCHOOL DISTRICT SHALL ASSIST WITH FIRE WATCH ACTIVITIES DURING SCHOOL HOURS AND WHENEVER THE CAMPUS IS OCCUPIED BY STUDENTS, TEACHERS AND STAFF. THE CONTRACTOR SHALL PROVIDE ALL FIRE WATCH ACTIVITIES AFTER SCHOOL HOURS AND WHENEVER THE CAMPUS IS NOT OCCUPIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING ALL FIRE WATCH LOGS.
4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE DEEM SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL ELECTRICAL MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR ACCORDINGLY.
5. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE.
6. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
   A. REMOVE ALL WIRE AND CABLE.
   B. REMOVE ALL DEVICES AND EQUIPMENT.
   C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
   D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
6. WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
7. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.

FIRE ALARM GENERAL NOTES

1. WHERE EXISTING FIRE ALARM CONDUITS AND BOXES CANNOT BE REUSED FOR REASONS INCLUDING, BUT NOT LIMITED TO, INSUFFICIENT CONDUIT CAPACITY OR SIZE, EXCESSIVE CONDUIT BENDS, LACK OF JUNCTION BOXES, MIXED VOLTAGES WITHIN A SINGLE CONDUIT, LACK OF ACCESSIBILITY OF CONDUIT TERMINATIONS, INCONVENIENT LOCATIONS, ETC., PROVIDE CONCEALED CONDUIT OR SURFACE–MOUNTED RACEWAY AS REQUIRED.
2. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM WITH ALL REQUIRED HARDWARE, DEVICES AND PROGRAMMING REGARDLESS IF THEY ARE NOT SHOWN OR SPECIFIED IN THE BID DRAWINGS OR SPECIFICATIONS.
3. CONTRACTOR SHOP DRAWINGS SHALL BE COMPLETE SHOWING ALL CIRCUITING, POINT TO POINT WIRING DIAGRAM, DIMENSIONED PANEL LAYOUTS, DEVICE LABELING AND POINT/DEVICE DESCRIPTION SCHEDULES. CONTRACTOR SHALL PROVIDE AS–BUILT SHOP DRAWINGS INDICATING CIRCUITING OF ALL DETECTORS AND OTHER DEVICES IN ALL THE BUILDINGS OF THIS PROJECT.
4. CONTRACTOR SHALL AFFIX TO EACH FIELD DEVICE A DEVICE LABEL. DEVICE LABEL SHALL BE ARRANGED IN THE FOLLOWING MANNER.

   ADDRESSABLE DEVICES: A1 –12 / M1 –12
   NOTIFICATION DEVICES: PANEL# CKT# DEVICE# — 1 – 2 – 5
5. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY AND DSA INSPECTOR OF RECORD. THE BUILDING SHALL NOT BE IN OPERATION UNTIL THE LOCAL FIRE MARSHAL HAS SIGNED OFF ON OPERATIONAL CAPACITY OF THE FIRE ALARM SYSTEM.
6. FINAL FIRE ALARM SYSTEM TEST SHALL BE WITNESSED BY LOCAL FIRE AUTHORITY WITH THE DSA INSPECTOR OF RECORD (IOR) NFPA CERTIFICATE OF COMPLIANCE FORM SHALL BE SUBMITTED TO THE DISTRICT FOR SUBMITTAL TO DSA.
7. ARCHITECT SHALL SUBMIT ANY ALTERATIONS OF THE APPROVED CONSTRUCTION DOCUMENTS TO THE IOR/DSA FOR APPROVALS. DSA APPROVAL IS REQUIRED BEFORE ANY MODIFICATIONS ARE MADE BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL PROVIDE AS–BUILT SHOP DRAWINGS INDICATING CIRCUITING OF ALL DETECTORS AND OTHER DEVICES IN ALL THE BUILDINGS OF THIS PROJECT.
9. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
10. FIRE ALARM SYSTEM SHALL TRANSMIT ALARM, SUPERVISORY AND TROUBLE SIGNAL TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72 AND CBC 907.6.5.3.
11. NO SPLICES SHALL BE ALLOWED FOR FIRE ALARM SYSTEM UNDERGROUND CABLES.
12. PROVIDE DOCUMENTATION CABINET TO BE INSTALLED PROXIMAL TO FACP (NFPA 72, 7.7.2.1). ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (NFPA 72 7.7.2.2). THE DOCUMENTATION CABINET TO BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS" (NFPA 72 7.7.2.4).
13. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
14. FIRE ALARM WIRING SHALL NOT BE INSTALLED IN ANY RACEWAY WITH WIRING IN EXCESS OF 24 VOLT.

RE–USE OF EXISTING CONDUITS

A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.

B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.

C. EXISTING SURFACE RACEWAYS (WIREMOLD) SHALL NOT BE REUSED, ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.

FIRE ALARM

SYM	MODEL #	MFG	DESCRIPTION	CSFM
FACP	EST3	EDWARDS	(E) FIRE ALARM CONTROL PANEL	7165–1657:0186
AMP	ANS–50–XG	EDWARDS	(E) FIRE ALARM VOICE AMPLIFIER	6912–1657:0237
BPS	BPS6A	EDWARDS	(E) FIRE ALARM POWER SUPPLY	7300–1657:0229
FAPS	E–RLCD–C	EDWARDS	(E) FIRE ALARM REMOTE ANNUNCIATOR PANEL	7120–1657:0254
MM	SIGA–MM1	EDWARDS	MONITOR MODULE	7300–0559:0121
	EST–SIGA–PS	EDWARDS	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	7272–1657:0126
H_A	EST–284B–PL	EDWARDS	CONVENTIONAL HIGH HEAT DETECTOR 194° (ABOVE CEILING)	7270–1657:0109
H	EST–SIGA–HRS	EDWARDS	ADDRESSABLE HEAT DETECTOR	7270–1657:0125
	SIGA–278	EDWARDS	ADDRESSABLE PULL STATION	7150–1657:0129
15	EG4RF–S2VM	GENESIS SERIES	STROBE (15cd, 30cd, 75cd, 110cd)	7320–1657:0211
15	EG4RF–S2VM	GENESIS SERIES	SPEAKER STROBE (15cd, 30cd, 75cd, 110cd)	7320–1657:0211
	EG4RF–S2	GENESIS SERIES	SPEAKER	7320–1657:0211

NOTES:
1. NOT ALL DEVICES ARE USED.
2. "C" ADJACENT TO NOTIFICATION DEVICES INDICATES MOUNTED ON CEILING.
3. "WP" INDICATES DEVICE IS WEATHERPROOF.

FIRE ALARM CABLE SCHEDULE

TYPE	DESCRIPTION	USE
CABLES INSTALLED IN CONDUIT (MINIMUM 1/2" C.)		
A	WEST PENN D990 (2#16 SOL, UTP, FPL)	SLC (ADDRESSABLE LOOP) INTERIOR
AE	WEST PENN AQ225 (2#16 STR, UTP, FPL)	SLC (ADDRESSABLE LOOP) EXTERIOR
M	ESSEX 2#14 THHN/THWN SOL	IDC (INITIATING DEVICE CIRCUIT) – INTERIOR/EXTERIOR
R	WEST PENN D975 (2#18 SOL, STP, FPL)	ANNUNCIATOR INTERIOR
	ESSEX 2#14 THHN/THWN SOL	
B	WEST PENN 995S (2#14 FPLR)	NAC (NOTIFICATION APPLIANCE CIRCUIT) INTERIOR
C	WEST PENN 975 (2#18 SOL, STP)	AUDIO SPEAKER CABLE – INTERIOR
CE	WEST PENN AQ294 (2#16 STR, STP, FPL)	AUDIO SPEAKER CABLE – EXTERIOR
DE	WEST PENN AQ225 (2#16 SOL, UTP, FPL)	NETWORK COMMUNICATION CABLE – EXTERIOR

CABLE DESCRIPTION ABBREVIATIONS

ABBREV.	DEFINITION	ABBREV.	
FPL	FIRE ALARM POWER–LIMITED	STR	STRANDED CONDUCTOR
FPLP	FIRE ALARM POWER–LIMITED, PLENUM	STP	SHIELDED TWISTED PAIR
FPLR	FIRE ALARM POWER–LIMITED, RISER	US	UNSHIELDED CABLE
OS	OVERALL SHIELDED CABLE	UTP	UNSHIELDED TWISTED PAIR
SOL	SOLID CONDUCTOR		

WIRE GAGE INDICATED IS A MINIMUM.

FIRE ALARM SPEAKER/STROBE NOTES

1. PROGRAM FIRE ALARM CONTROL "FACP" FOR AUDIBLE SILENCE FEATURE. STROBES SHALL CONTINUE TO FLASH WHEN PANEL IS SILENCED. STROBE TO STOP FLASHING ONLY WHEN PANEL ALARM CONDITION IS RESET.
2. THE APPLIANCE SHALL BE DESIGNED SO THAT THE AUDIBLE SIGNAL MAY BE SILENCED WHILE MAINTAINING STROBE ACTIVATION WHEN USED WITH SYSTEM SENSOR SYNCHRONIZATION.
3. PROVIDE FIRE ALARM EMERGENCY COMMUNICATION SYSTEM AUDIBLE NOTIFICATION IN ALL COMMON AREAS. AUDIBLE LEVELS SHALL MEET APPLICABLE STANDARDS IN NFPA 72 CHAPTER 24.4 ONE–WAY EMERGENCY COMMUNICATION SYSTEM. TESTING AND REPORTS REQUIREMENTS FOR INTELLIGIBILITY SHALL BE PROVIDED PRIOR TO ACCEPTANCE OR FINAL TESTING WITH AUTHORITY HAVING JURISDICTION.
4. A FLASHING VISUAL WARNING DEVICE HAVING A HAVING A TEMPORAL 3 FREQUENCY.
5. ALL STROBE CIRCUITS SHALL BE SYNCHRONIZED NFPA 72 A.18,5.2.6

SCOPE OF WORK

1. REDESIGN OF PRE–EXISTING FIRE ALARM SYSTEM (DSA A#02–115072) TO INCORPORATE BUILDING CHANGES WHICH INCLUDES:
   1.1. NEW TOILET ROOMS IN KINDERGARTEN WING (BLDG. B).
   1.2. MODERNIZATION AND REMODEL OF THE ADMINISTRATION BUILDING (BLDG. A).
   1.3. CONVERSION OF STORAGE ROOM TO TEACHERS WORKROOM AND IDF ROOM IN BUILDING E.
2. RELOCATION OF EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM BOOSTER PANEL LOCATED IN THE ADMINISTRATION BUILDING.
3. ADDING AND PROGRAMMING OF PRE–EXISTING FIRE ALARM SYSTEM TO INCLUDE NEW INITIATION DEVICES AND NOTIFICATION APPLIANCES.

BUILDING INFORMATION

SPRINKLER PROTECTION:	N/A
OCCUPANCY CLASSIFICATION:	E
BUILDING TYPE:	1A
BUILDING A AREA:	2559.75 SF
BUILDING B AREA:	5856.59 SF
BUILDING E AREA:	4990.91 SF
BUILDING HEIGHT:	1 STORY, MULTIPLE BUILDINGS
TYPE OF SYSTEM:	CLASS 'A'/STYLE 2

FIRE ALARM SHEET INDEX

SHEET NO.	SHEET TITLE
FA0.1	FIRE ALARM NOTES, SCHEDULES AND ABBREVIATIONS
FA1.1	SITE FIRE ALARM PLAN
FA2.1	BUILDING A FIRE ALARM PLAN
FA2.2	BUILDING B FIRE ALARM PLAN
FA2.3	BUILDING E FIRE ALARM PLAN
FA3.1	FIRE ALARM RISER DIAGRAM AND CALCULATIONS

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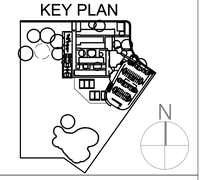

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FIRE ALARM NOTES, SCHEDULES AND ABBREVIATIONS

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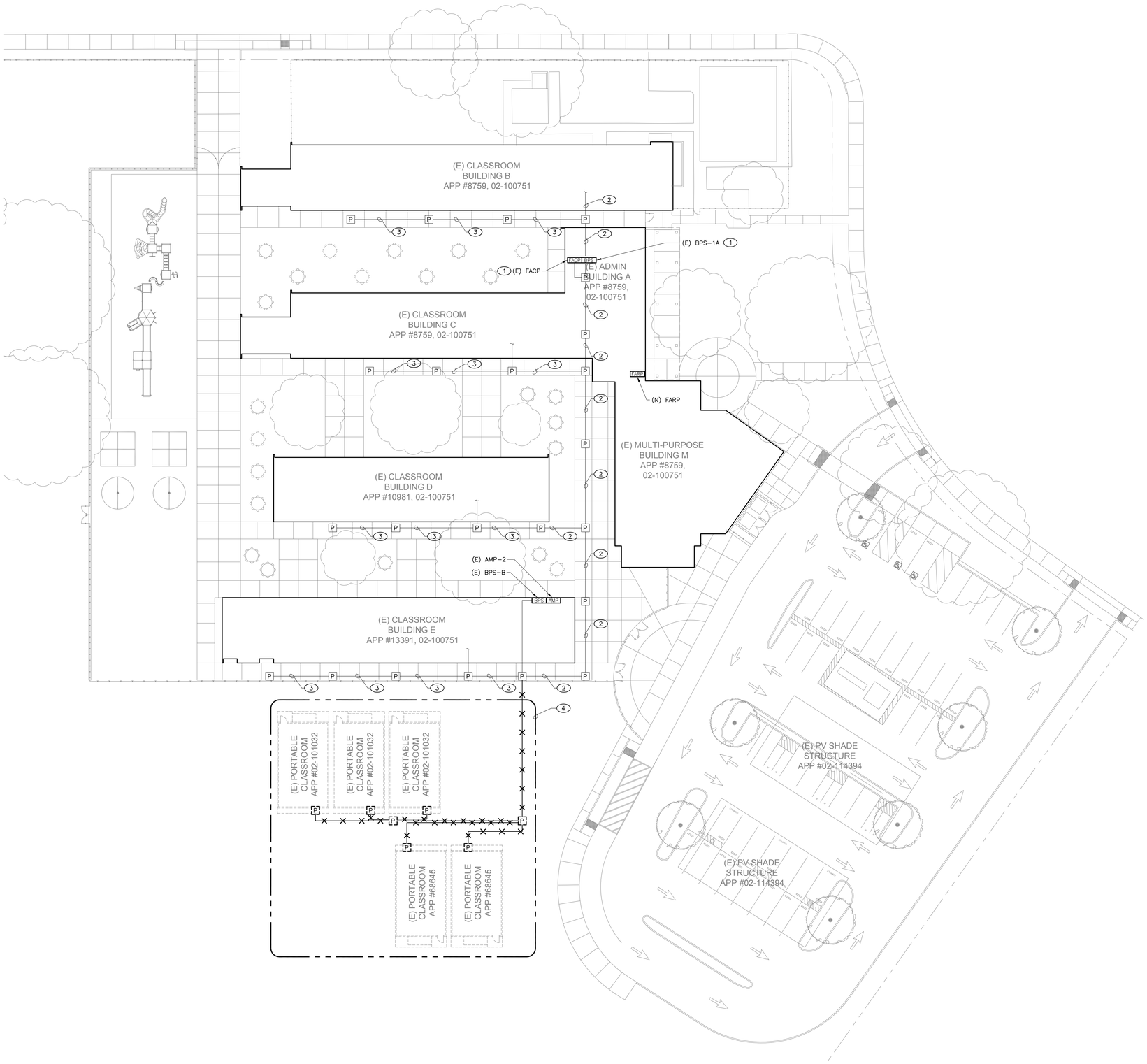

SCALE: 1" = 20'-0"

SITE FIRE ALARM PLAN 1

KEY NOTES

1. (E) FIRE ALARM CONTROL PANEL AND BPS SHALL BE RELOCATED TO (N) MDF/ELECTRICAL ROOMS INDICATED ON FLOOR PLANS.
2. REUSE (E) ROOF MOUNTED JUNCTION BOXES AND CONDUIT TO PULL–IN (N) CONDUCTORS AND (E) NOTIFICATION AND INITIATION CIRCUITS.
3. (E) CONDUIT, JUNCTION BOX, AND CONDUCTORS TO REMAIN.
4. AREA ENCLOSED WILL BE DEMOLISHED. DISCONNECT EXISTING CONDUIT AND CONDUCTORS PREVIOUSLY INSTALLED IN CURRENT FIRE ALARM SYSTEM.

GENERAL NOTES

1. ALL DEVICES ARE EXISTING UNLESS OTHERWISE NOTED.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON DEMO PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS.
   a. REFER TO RECORD SET DSA A#02–115072 FOR PREVIOUS FIRE ALARM SYSTEM.
3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
4. THE CURRENT PROJECT SCOPE DOE NOT INCLUDE HVAC UPGRADES, THEREFORE, CARBON MONOXIDE DETECTION HAS BEEN OMITTED FROM THIS DESIGN PER THE FOLLOWING DSA INTERPRETATION OF CBC 915 THAT EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:
   a. INSTALLATION OF NEW FUEL–BURNING APPLIANCE IN NEW AND EXISTING BUILDINGS.
   b. REPLACEMENT OF EXISTING FUEL–BURNING APPLIANCES IN EXISTING BUILDINGS.
   c. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

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ENGINEER: REGISTERED PROFESSIONAL ENGINEER KENNETH R. RUBLEY No. 11798 Exp. 9/30/20 ELECTRICAL STATE OF CALIFORNIA

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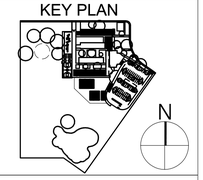

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CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL

1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

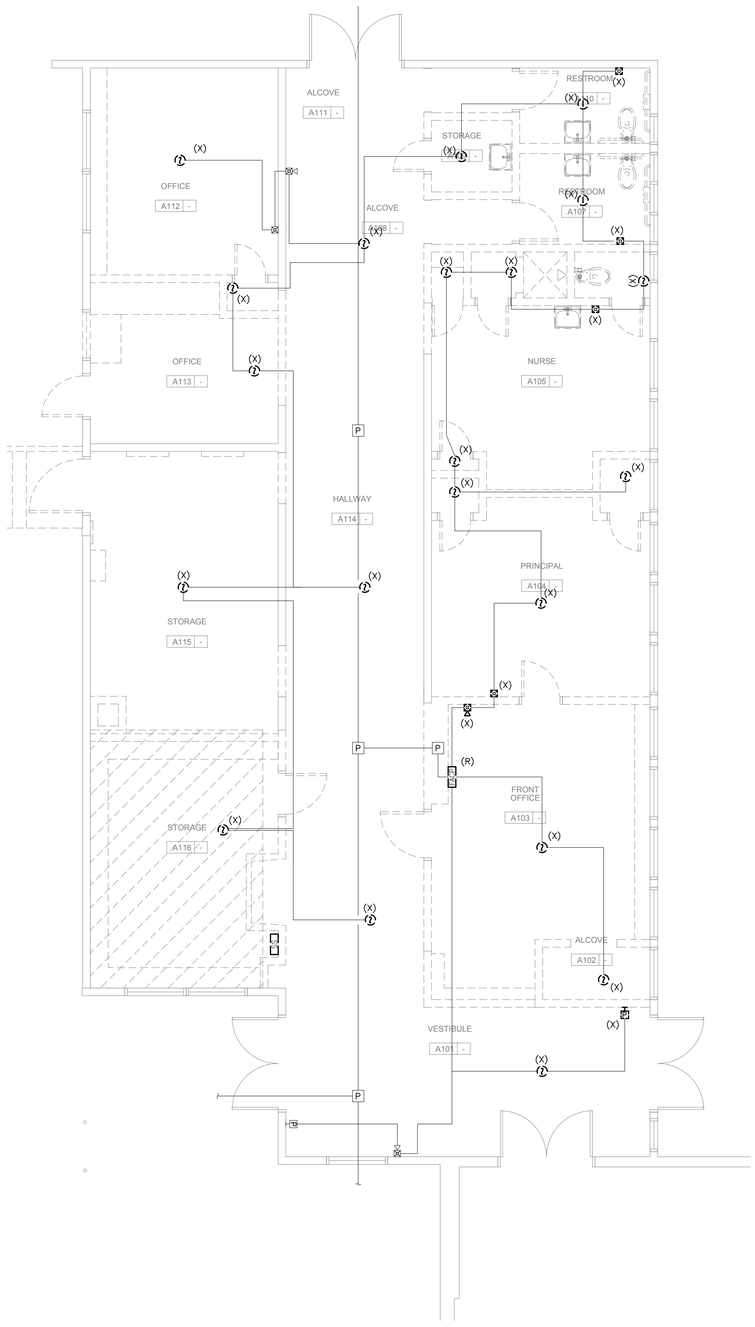
SITE FIRE ALARM PLAN

Date
03/18/19

Scale
AS NOTED

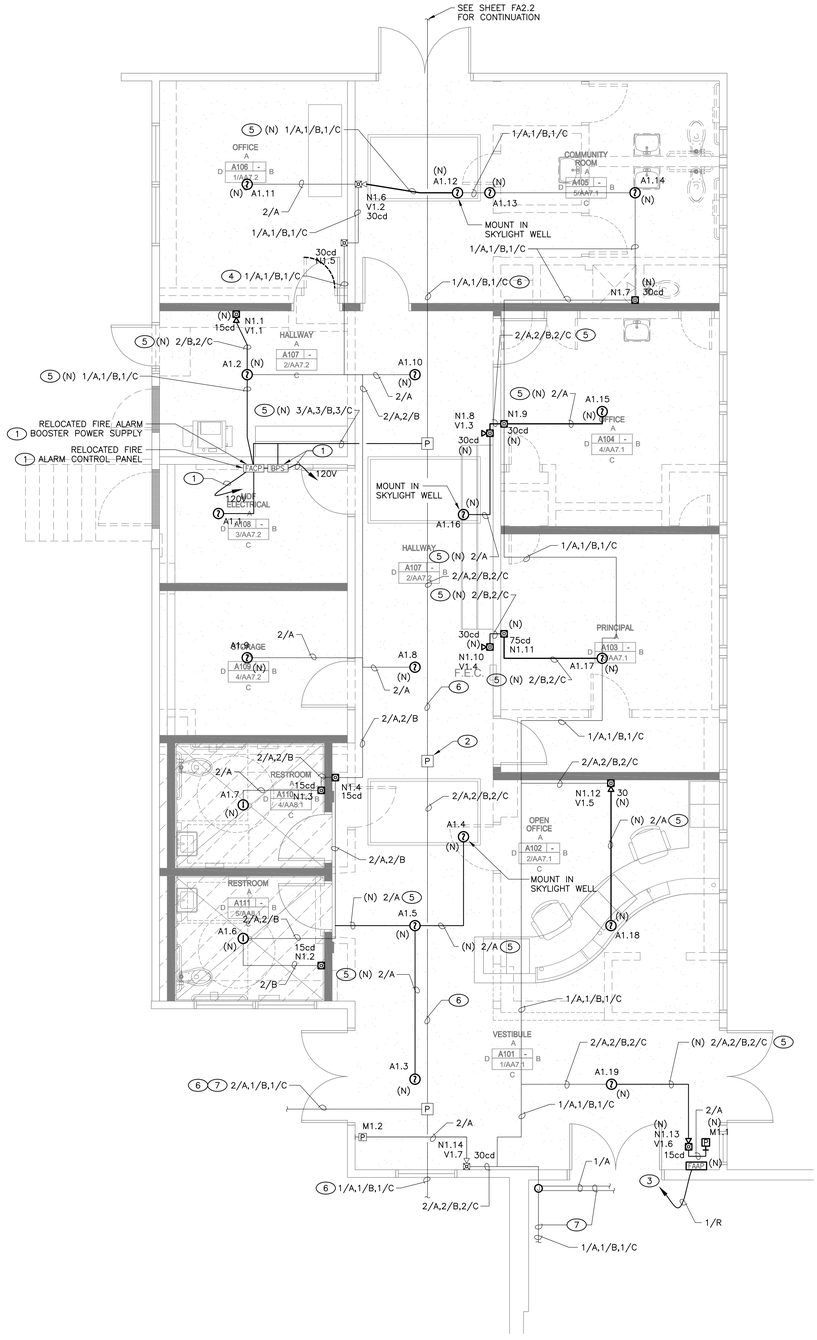
Project Number
19003.1

Drawing Number
FA1.1



BUILDING A - DEMOLITION FIRE ALARM PLAN 1

SCALE: 1/4" = 1'-0"



BULDING A - FIRE ALARM PLAN 2

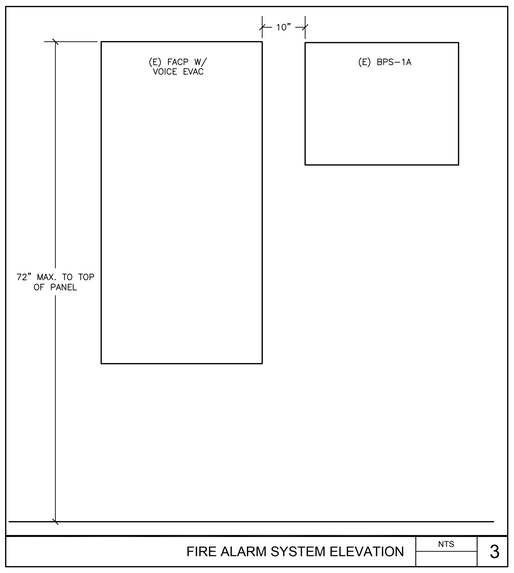
SCALE: 1/4" = 1'-0"

KEY NOTES

1. RELOCATE EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM BOOSTER PANEL TO NEW SHOWN LOCATION. RECONNECT 120V DEDICATED POWER TO THE EXISTING POWER SOURCE. REFER TO DETAIL 3 THIS SHEET FOR INSTALLATION LAYOUT OF (E) FACP, (E) BPS-1A AND (N) BPS-CO. SEE SHEET E2.2 FOR POWER PANEL LOCATION. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
2. TYPICAL. REUSE (E) ROOF MOUNTED JUNCTION BOXES AND CONDUIT TO PULL-IN (N) CONDUCTORS AND (E) NOTIFICATION AND INITIATION CIRCUITS.
3. CONNECT NEW FIRE ALARM ANNUNCIATOR PANEL TO EXISTING FIRE ALARM CONTROL PANEL IN NEW LOCATION. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
4. TYPICAL. USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4"C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
6. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
7. (E) CONDUIT, JUNCTION BOX, AND CONDUCTORS TO REMAIN.

GENERAL NOTES

1. ALL DEVICES ARE EXISTING UNLESS OTHERWISE NOTED.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT, AND WIRING, ETC., WHERE SHOWN ON DEMO PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS.
   a. REFER TO RECORD SET DSA A#02-115072 FOR PREVIOUS FIRE ALARM SYSTEM.
3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK. REPORT TO ENGINEERS ANY DISCREPANCIES.
4. THE CURRENT PROJECT SCOPE DOE NOT INCLUDE HVAC UPGRADES, THEREFORE, CARBON MONOXIDE DETECTION HAS BEEN OMITTED FROM THIS DESIGN PER THE FOLLOWING DSA INTERPRETATION OF CBC 915 THAT EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:
   a. INSTALLATION OF NEW FUEL-BURNING APPLIANCE IN NEW AND EXISTING BUILDINGS.
   b. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
   c. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.



FIRE ALARM SYSTEM ELEVATION — NTS — 3

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ARCHITECT | ENGINEER

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○ DSA PLAN CHECK	3/18/2019
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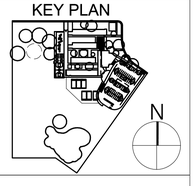
KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
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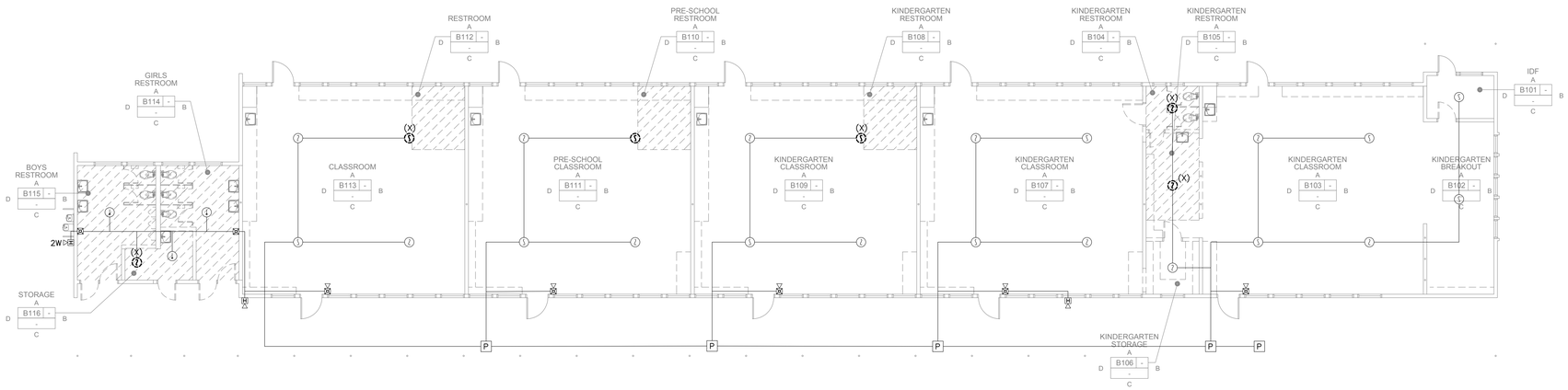
WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

BUILDING A
FIRE ALARM PLAN

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number FA2.1



BUILDING B - FIRE ALARM DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"

KEY NOTES

1. TYPICAL. REUSE (E) ROOF MOUNTED JUNCTION BOXES AND CONDUIT TO PULL-IN (N) CONDUCTORS AND (E) NOTIFICATION AND INITIATION CIRCUITS.
2. TYPICAL. USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
3. PROVIDE NEW 3/4"C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
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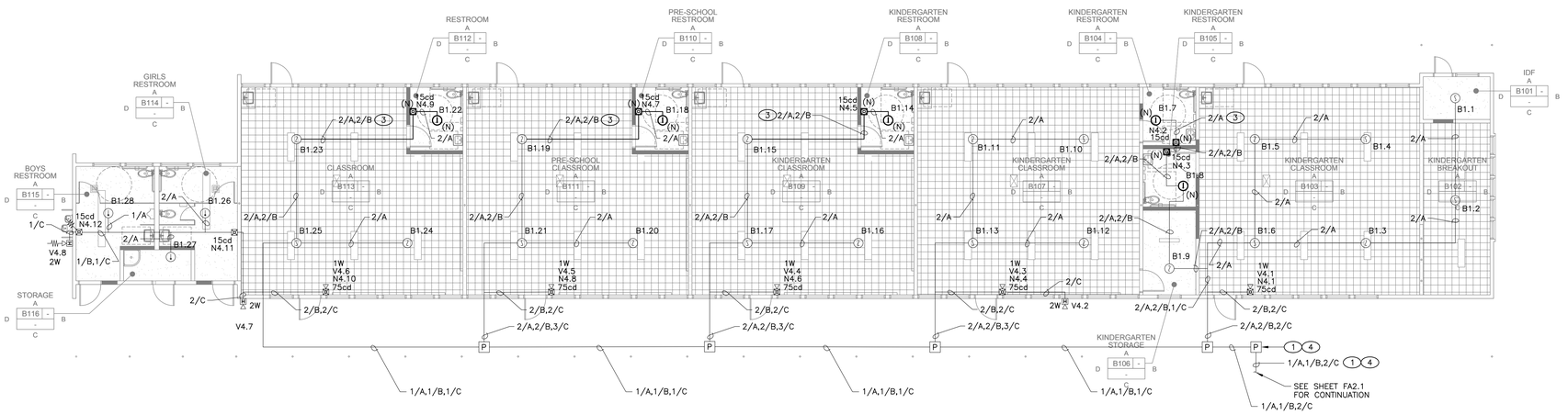

BUILDING B - FIRE ALARM PLAN 2

SCALE: 1/8" = 1'-0"

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ENGINEER: REGISTERED PROFESSIONAL ENGINEER KENNETH R. RUBIN No. 11798 Exp. 9/30/20 ELECTRICAL STATE OF CALIFORNIA

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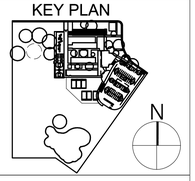

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BUILDING B
FIRE ALARM PLAN

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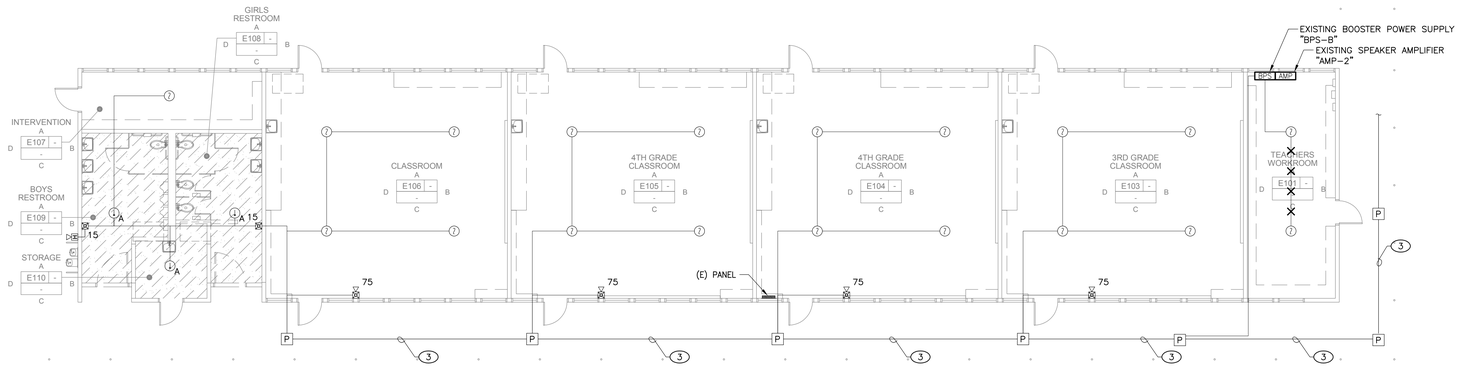
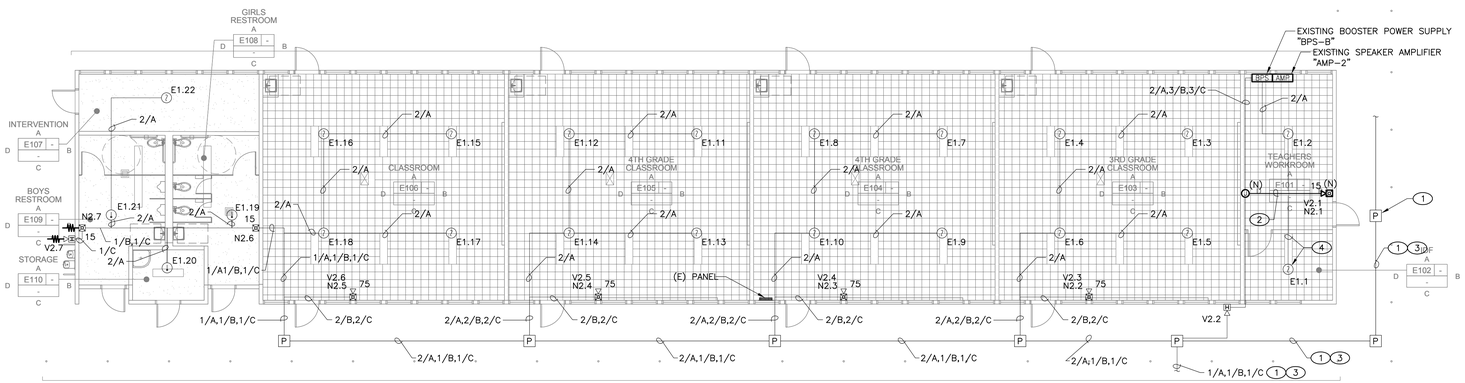


BUILDING E - FIRE ALARM DEMOLITION PLAN 1

SCALE: 1/8" = 1'-0"



BUILDING E - FIRE ALARM PLAN 2

SCALE: 1/8" = 1'-0"

KEY NOTES

1. (E) CONDUIT, JUNCTION BOX, AND CONDUCTORS TO REMAIN.
2. PROVIDE NEW 3/4"C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
3. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
4. RELOCATE EXISTING SMOKE DETECTOR AND INTERCEPT AND EXTEND EXISTING 3/4"C. WITH CONDUCTORS AS REQUIRED TO ACCOMMODATE FOR ROOM CHANGE. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

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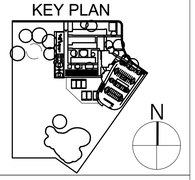

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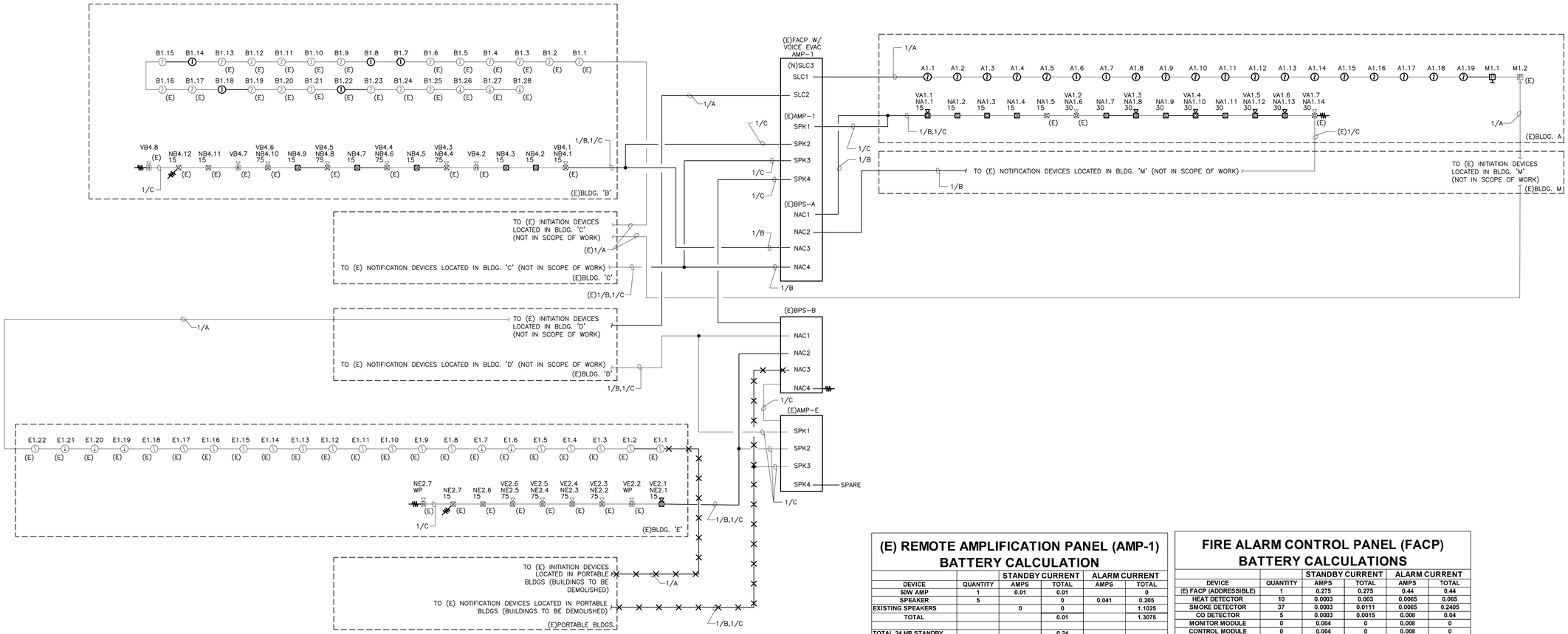

(E) REMOTE AMPLIFICATION PANEL (AMP-1) BATTERY CALCULATION

		STANDBY CURRENT		ALARM CURRENT	
DEVICE	QUANTITY	AMPS	TOTAL	AMPS	TOTAL
50W AMP	1	0.01	0.01		0
SPEAKER	5		0	0.041	0.205
EXISTING SPEAKERS		0	0		1.1025
TOTAL			0.01		1.3075
TOTAL 24 HR STANDBY			0.24		
TOTAL 15 MIN ALARM					0.326875
TOTAL REQUIRED AH	0.566875				
+20%SPARE	0.68025				
BOOSTER AH	7				

(E) SPEAKER AMP-1 CALCULATION

TOTAL WATTAGE USED	30
TOTAL WATTAGE AVAILABLE	50
PERCENTAGE REMAINING	40.00%

DEVICE	QTY	Wattage Used	Wattage Available
EXISTING SPEAKERS		25	25
1/4 WATT SPKR		0	25
1/2 WATT SPKR		0	25
3/4 WATT SPKR		0	25
1 WATT SPKR	5	5	20
2 WATT SPKR		0	20

FIRE ALARM CONTROL PANEL (FACP) BATTERY CALCULATIONS

		STANDBY CURRENT		ALARM CURRENT	
DEVICE	QUANTITY	AMPS	TOTAL	AMPS	TOTAL
(E) FACP (ADDRESSIBLE)	1	0.275	0.275	0.44	0.44
HEAT DETECTOR	10	0.0003	0.003	0.0065	0.065
SMOKE DETECTOR	37	0.0003	0.0111	0.0065	0.2405
CO DETECTOR	5	0.0003	0.0015	0.008	0.04
MONITOR MODULE	0	0.004	0	0.008	0
CONTROL MODULE	0	0.004	0	0.008	0
POWER BOOSTER	0	0.075	0	0.205	0
AMP-1	1		0.01		1.3075
AMP-2	1		0.01		1.211
15CD HORN/STROBE	0		0	0.088	0
30CD HORN/STROBE	0		0	0.12	0
60CD HORN/STROBE	0		0	0.174	0
110CD HORN/STROBE	0		0	0.224	0
15CD STROBE	0		0	0.047	0
30CD STROBE	0		0	0.081	0
60CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
HORN	0		0	0.041	0
TOTAL			0.3106		3.304
TOTAL 24 HR STANDBY			7.4544		
TOTAL 15 MIN ALARM					0.826
TOTAL REQUIRED CAPACITY	8.2804				
20% SPARE	1.65608				
CALCULATED BATTERY SIZE	9.93648				
BATTERY AH PROVIDED	12				

POWER BOOSTER PANEL '(E) BPS-B' BATTERY CALCULATIONS

		STANDBY CURRENT		ALARM CURRENT	
DEVICE	QUANTITY	AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD SPKR/STROBE	1		0	0.041	0.041
30CD SPKR/STROBE	0		0	0.063	0
75CD SPKR/STROBE	14		0	0.111	1.554
110CD SPKR/STROBE	0		0	0.158	0
15CD STROBE	2		0	0.041	0.082
30CD STROBE	0		0	0.063	0
TOTAL			0.056		1.733
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.43325
TOTAL REQUIRED AH	1.77725				
+20%SPARE	2.1327				
BOOSTER AH	7				

POWER BOOSTER PANEL '(E) BPS-1A' BATTERY CALCULATIONS

		STANDBY CURRENT		ALARM CURRENT	
DEVICE	QUANTITY	AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD SPKR/STROBE	2		0	0.041	0.082
30CD SPKR/STROBE	0		0	0.063	0
75CD SPKR/STROBE	19		0	0.111	2.109
110CD SPKR/STROBE	0		0	0.158	0
15CD STROBE	9		0	0.041	0.369
30CD STROBE	1		0	0.063	0.063
TOTAL			0.056		2.679
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.66975
TOTAL REQUIRED AH	2.01375				
+20%SPARE	2.4165				
BOOSTER AH	7				

(E) SPEAKER AMP-2 CALCULATION

TOTAL WATTAGE USED	27
TOTAL WATTAGE AVAILABLE	50
PERCENTAGE REMAINING	46.00%

DEVICE	QTY	Wattage Used	Wattage Available
EXISTING SPEAKERS		26	24
1/4 WATT SPKR		0	24
1/2 WATT SPKR		0	24
3/4 WATT SPKR		0	24
1 WATT SPKR	1	1	23
2 WATT SPKR		0	23

(E) REMOTE AMPLIFICATION PANEL (AMP-2) BATTERY CALCULATION

		STANDBY CURRENT		ALARM CURRENT	
DEVICE	QUANTITY	AMPS	TOTAL	AMPS	TOTAL
50W AMP	1	0.01	0.01		0
SPEAKER	1		0	0.041	0.041
EXISTING SPEAKERS					1.17
TOTAL			0.01		1.211
TOTAL 24 HR STANDBY			0.24		
TOTAL 15 MIN ALARM					0.30275
TOTAL REQUIRED AH	0.54275				
+20%SPARE	0.6513				
BOOSTER AH	7				

VOLTAGE DROP CALCULATIONS (E) BPS-1A

CIRCUIT NO.	FLOOR	PANEL	INTERIOR SPEAKER 96dBA @ 0.075 A	EXTERIOR SPEAKER 99dBA @ 0.075 A	SPEAKER STROBE 15cd @ 0.041 A	SPEAKER STROBE 30cd @ 0.063 A	SPEAKER STROBE 75cd @ 0.111 A	SPEAKER STROBE 110cd @ 0.158 A	STROBE ONLY 15cd @ 0.041 A	STROBE ONLY 30cd @ 0.063 A	WIRE SIZE (AWG)	RESISTANCE (IN OHMS/ 1000FT)	LENGTH (IN FEET)	TOTAL CURRENT (IN AMPS)	VOLTAGE DROP	% OF VOLTAGE DROP
N1	1ST	BPS-1A					5				12	1.98	312	0.555	0.69	2.86%
(E) N2	1ST				2		5		1		12	1.98	200	0.678	0.54	2.24%
(E) N3	1ST						4		1	1	12	1.98	360	0.548	0.78	3.26%
N4	1ST						5		7		12	1.98	715	0.842	2.38	9.93%

VOLTAGE DROP CALCULATIONS (E) BPS-B

CIRCUIT NO.	FLOOR	PANEL	INTERIOR SPEAKER 96dBA @ 0.075 A	EXTERIOR SPEAKER 99dBA @ 0.075 A	SPEAKER STROBE 15cd @ 0.041 A	SPEAKER STROBE 30cd @ 0.063 A	SPEAKER STROBE 75cd @ 0.111 A	SPEAKER STROBE 110cd @ 0.158 A	STROBE ONLY 15cd @ 0.041 A	STROBE ONLY 30cd @ 0.063 A	WIRE SIZE (AWG)	RESISTANCE (IN OHMS/ 1000FT)	LENGTH (IN FEET)	TOTAL CURRENT (IN AMPS)	VOLTAGE DROP	% OF VOLTAGE DROP
(E) N1	1ST	BP-B	5				4				12	1.98	227	0.819	0.74	3.07%
N2	1ST				1		4		2		12	1.98	352	0.567	0.79	3.29%
(E) N3	1ST						6				12	1.98	200	0.666	0.53	2.20%
N4	1ST										12	1.98				

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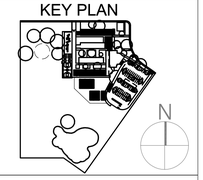
NO.	REMARKS	DATE

	DATE
○ DSA PLAN CHECK	3/18/2019
● DSA BACK CHECK	5/29/2019
○ BIDDING	
○ CONSTRUCTION	

KEY PLAN



WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

FIRE ALARM RISER DIAGRAM AND CALCULATIONS

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
FA3.1

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 2 of 4)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

B. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)

Test Performed By:

Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.

Installing Contractor:
The contractor who installed the equipment is responsible to either conduct the acceptance test themselves or have a qualified entity run the test for them. If more than one person has responsibility for the acceptance testing, each person shall sign and submit the Certificate of Acceptance applicable to the portion of the construction or installation for which they are responsible.

Enforcement Agency:
Plancheck – The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-08-A	MCH-09-A	MCH-10-A	MCH-11-A
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Valve Leakage Test	Supply Water Temp. Reset	Hydronic System Variable Flow Control	Automatic Demand Shed Control
Mitsubishi PKA-	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
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		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 1 of 4)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

A. MECHANICAL COMPLIANCE DOCUMENTS & WORKSHEETS (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

YES	NO	Comp. Doc /Worksheet #	Title
☑	☐	NRCC-MCH-01-E (Part 1 of 3)	Certificate of Compliance, Declaration. Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 2 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-02-A to 11-A). Required on plans for all submittals.
☑	☐	NRCC-MCH-01-E (Part 3 of 3)	Certificate of Compliance, Required Acceptance Tests (MCH-12-A to 18-A). Required on plans where applicable.
☑	☐	NRCC-MCH-02-E (Part 1 of 2)	Mechanical Dry Equipment Summary is required for all submittals with Central Air Systems. It is optional on plans.
☑	☐	NRCC-MCH-02-E (Part 2 of 2)	Mechanical Wet Equipment Summary is required for all submittals with chilled water, hot water or condenser water systems. It is optional on plans.
☑	☐	NRCC-MCH-03-E	Mechanical Ventilation and Reheat is required for all submittals with multiple zone heating and cooling systems. It is optional on plans.
☐	☑	NRCC-MCH-07-E (Part 1 of 2)	Power Consumption of Fans. Required on plans where applicable
☐	☑	NRCC-MCH-07-E (Part 2 of 2)	Power Consumption of Fans, Declaration. Required on plans where applicable

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL — ENV-MM

Project Name	Date
Westmore ES Bldg A	*3/13/2019*

DESCRIPTION

Building Envelope Measures:

§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(g):	Heated slab floors shall be insulated according to the requirements in Table 110.8-A.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft.^{2} of window area, 0.3 cfm/ft.^{2} of door area for residential doors, 0.3 cfm/ft.^{2} of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft.^{2} for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
§120.7(a):	The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Metal Building-** The weighted average U-factor of the roof assembly shall not exceed 0.098. **Wood Framed and Others-** The weighted average U-factor of the roof assembly shall not exceed 0.075.
§120.7(b):	The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows: **Metal Building-** The weighted average U-factor of the wall assembly shall not exceed 0.113. **Metal Framed-** The weighted average U-factor of the wall assembly shall not exceed 0.151. **Light Mass Walls-** A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440. **Heavy Mass Walls-** An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690. **Wood Framed and Others-** The weighted average U-factor of the wall assembly shall not exceed 0.110. **Spandrel Panels and Opaque Curtain Wall-** The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280. **Demising Walls-** The opaque portions of framed demising walls shall meet the requirements of Item A or B below: A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.
§120.7(c):	The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Raised Mass Floors-** Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269. **Other Floors-** The weighted average U-factor of the floor assembly shall not exceed 0.071.

STATE OF CALIFORNIA
HVAC DRY & WET SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Dry & Wet System Requirements	(Page 1 of 3)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

A. Equipment Tags and System Description[1] – Dry Systems		IDU/ODU-2		
MANDATORY MEASURES	*T-24 Sections*	*Reference to the Requirements in the Contract Documents[2]*		
Heating Equipment Efficiency[3]	110.1 or 110.2(a)			
Cooling Equipment Efficiency[3]	110.1 or 110.2(a)			
HVAC or Heat Pump Thermostats	110.2(b), 110.2(c)			
Furnace Standby Loss Control	110.2(d)			
Low Leakage AHUs	110.2(f)			
Ventilation[4]	120.1(b)			
Demand Control Ventilation[5]	120.1(c)4			
Occupant Sensor Ventilation Control[6]	120.1(c)5, 120.2(e)3			
Shutoff and Reset Controls[7]	120.2(e)			
Outdoor Air and Exhaust Damper Control	120.2(f)			
Isolation Zones	120.2(g)			
Automatic Demand Shed Controls	120.2(h)			
Economizer FDD	120.2(i)			
Duct Insulation	120.4			
PRESCRIPTIVE MEASURES				
Equipment is sized in conformance with 140.4(a & b)	140.4(a & b)	Y Y/N	Y/N	Y/N
Supply Fan Pressure Control	140.4(c)			
Simultaneous Heat/Cool[8]	140.4(d)			
Economizer	140.4(e)			
Heat and Cool Air Supply Reset	140.4(f)			
Electric Resistance Heating[9]	140.4(g)			
Duct Leakage Sealing and Testing[9,10]	140.4(l)			

Notes:
1. Provide equipment tags (e.g. AHU 1 to 10) and system description (e.g. Single Duct VAV reheat) as appropriate. Multiple units with common requirements can be grouped together.
2. Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. Where appliance standards apply (110.1), identify where equipment is required to be listed per Title 20 1601 et seq.
4. Identify where the ventilation requirements are documented for each central HVAC system. Include references to both central unit schedules and sequences of operation. If one or more spaces is naturally ventilated identify where this is documented in the plans and specifications. Multiple zone central air systems must also provide a MCH-03-E compliance document.
5. If one or more spaces has demand controlled ventilation identify where it is specified including the sensor specifications and the sequence of operation.
6. If one or more space has occupant sensor ventilation control identify where it is specified including the sensor specifications and the sequence of operation
7. If the system is DDC identify the sequences for the system start/stop, optimal start, setback (if required) and setup (if required). For all systems identify the specification for the thermostats and time clocks (if applicable).
8. Identify where the heating, cooling and deadband airflows are scheduled for this system. Include a reference to the specification of the zone controls. Provide a MCH-03-E compliance document.
9. Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.
10. If duct leakage sealing and testing is required, a MCH-04-A compliance document must be submitted.

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 4 of 4)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Ashton Tafarrodi	Documentation Author Signature:	Ashton Tafarrodi
Company:	LP Consulting Engineers, Inc.	Signature Date:	3/13/2019
Address:	1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Roseville , CA 95678	Phone:	916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Jason DeDora	Responsible Designer Signature:	
Company :	LP Consulting Engineers Inc	Date Signed:	3/13/2019
Address:	1209 Pleasant Grove Blvd	License:	M34661
City/State/Zip:	Roseville, CA 95678	Phone:	916.771.0779

STATE OF CALIFORNIA
MECHANICAL SYSTEMS
CEC-NRCC-MCH-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-01-E
Mechanical Systems	(Page 3 of 4)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

C. MECHANICAL HVAC ACCEPTANCE FORMS (check box for required compliance documents)

Test Performed By:

Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for HVAC systems. The designer is required to check the applicable boxes for all acceptance tests that apply and list all equipment that requires an acceptance test. All equipment of the same type that requires a test, list the equipment description and the number of systems.

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Plancheck – The NRCC-MCH-01-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked.
Inspector - Before occupancy permit is granted all newly installed process systems must be tested to ensure proper operations.

Test Description		MCH-12-A	MCH-13-A	MCH-14-A	MCH-15-A	MCH-16-A	MCH-17-A	MCH-18-A
Equipment Requiring Testing or Verification	# of Units	Fault Detection & Diagnostics for DX Units	Automatic Fault Detection & Diagnostics for Air & Zone	Distributed Energy Storage DX AC Systems	Thermal Energy Storage (TES) Systems	Supply Air Temperature Reset Controls	Condenser Water Reset Controls	ECMS
Mitsubishi PKA-	1	☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐	☐
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DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

BC|A
architecture
planning
interiors

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Sacramento, California 95814
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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 19-2007

ARCHITECT
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER
REGISTERED PROFESSIONAL ENGINEER JASON DEDORA No. M 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicates drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Bunton Clifford Associates, 2019

NO.	REMARKS	DATE

DATE
- ○ DSA PLAN CHECK 3/18/2019
- ● DSA BACK CHECK 5/29/2019
- ○ BIDDING
- ○ CONSTRUCTION

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TITLE 24 COMPLIANCE

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
T24.1

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

A. Mechanical Ventilation and Reheat

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC) | AREA BASIS | OCCUPANCY BASIS | ROOM BASIS | MINIMUM | VAV Reheated Primary Air CFM | | VAV Deadband Primary Air CFM | |

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
ZONE / SYSTEM / VAV BOX TAG	DESIGN PRIMARY COOLING AIRFLOW (CFM)	DESIGN PRIMARY AIRFLOW DURING HEATING (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	OUTS. TYPE DOC (VAV)	TRANSFER AIRFLOW (CFM)	CONDITIONED AREA (ft²)	MIN CFM PER AREA	MIN CFM BY AREA	NUM. OF PEOPLE	CFM PER PERSON	MIN CFM BY OCCUPANT	MIN CFM BY ROOM	PEOPLE DIVERSITY ADJUSTMENT FACTOR	COMPLIES?	PER-CENTAGE BASED DIVISOR PRIMARY AIR (CFM)	MINIMUM AIRFLOW (CFM)	COMPLIES?	% BASED ON PEAK COOLING AIR (CFM)	MINIMUM BASED ADJUSTED AIRFLOW (CFM)	COMPLIES?
Lounge, Recrea						374	0.50	187	12.5	15.0	187		187	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A
Office <= 250 sc						459	0.15	69	2.3	30.0	69		69	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A
Office > 250 sqft						394	0.15	59	2.0	30.0	59		59	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A
Corridor/Restroo						899	0.15	135	4.5	30.0	135		135	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A
Commercial, Ind						129	0.15	19	0.1	150.0	19		19	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A
											Total		469	☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
Office <= 250 sq						198	0.15	30	1.0	30.0	30		30	☒ Pass ☐ Fail			☐ Pass ☐ Fail ☒ N/A			☐ Pass ☐ Fail ☒ N/A

STATE OF CALIFORNIA
HVAC SYSTEM REQUIREMENTS
CEC-NRCC-MCH-02-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Wet System Requirements	(Page 3 of 3)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Ashton Tafarrodi	Documentation Author Signature:	
Company:	LP Consulting Engineers, Inc.	Signature Date:	3/13/2019
Address:	1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Roseville , CA 95678	Phone:	916.771.0778

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Responsible Designer Name:	Jason DeDora	Responsible Designer Signature:	
Company :	LP Consulting Engineers Inc	Date Signed:	3/13/2019
Address:	1209 Pleasant Grove Blvd	License:	M34661
City/State/Zip:	Roseville, CA 95678	Phone:	916.771.0779

STATE OF CALIFORNIA
HVAC DRY & WET SYSTEM REQUIREMENTS
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-02-E
HVAC Dry & Wet System Requirements	(Page 2 of 3)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

B. Equipment Tags and System Description[1] – Wet Systems

MANDATORY MEASURES	T-24 Sections	Reference to the Requirements in the Contract Documents[2]		
Heating Hot Water Equipment Efficiency[3]	110.1			
Cooling Chilled and Condenser Water Equipment Efficiency[3]	110.1, 140.4(l)			
Open and Closed Circuit Cooling Towers conductivity or flow-based controls	110.2(e) 1			
Open and Closed Circuit Cooling Towers Maximum Achievable Cycles of Concentration (LSI)[4]	110.2(e) 2			
Open and Closed Circuit Cooling Towers Flow Meter with analog output	110.2(e) 3			
Open and Closed Circuit Cooling Towers Overflow Alarm	110.2(e) 4			
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators	110.2(e) 5			
Pipe Insulation	120.3			
PRESCRIPTIVE MEASURES				
Cooling Tower Fan Controls	140.4(h)2, 140.4(h)5	Y/N	Y/N	Y/N
Cooling Tower Flow Controls	140.4(h)3			
Centrifugal Fan Cooling Towers[4]	140.4(h)4			
Air-Cooled Chiller Limitation[5]	140.4(j)			
Variable Flow System Design	140.4(k)			
Chiller and Boiler Isolation	140.4(k)			
CHW and HHW Reset Controls	140.4(k)			
WLHP Isolation Valves	140.4(k)			
VSD on CHW, CW & WLHP Pumps >5HP	140.4(k)			
DP Sensor Location	140.4(k)			

Notes:

1. Provide equipment tags (e.g. CH 1 to 3) or system description (e.g. CHW loop) as appropriate. Multiple units with common requirements can be grouped together.
2. Provide references to plans (i.e. Drawing Sheet Numbers) and/or specifications (including Section name/number and relevant paragraphs) where each requirement is specified. Enter "N/A" if the requirement is not applicable to this system.
3. The referenced plans and specifications must include all of the following information: equipment tag, equipment nominal capacity, Title 24 minimum efficiency requirements, and actual rated equipment efficiencies. Where multiple efficiency requirements are applicable (e.g. full- and part-load) include all. For chillers operating at non-standard efficiencies provide the Kadj values. For chillers also note whether the efficiencies are Path A or Path B.
4. Identify if cooling towers have propeller fans. If towers use centrifugal fans document which exception is used.
5. If air-cooled chillers are used, document which exceptions have been used to comply with 140.4(j) and the total installed design capacity of the air-cooled chillers in the chilled water plant.
6. Identify the existence of a completed MCH-06-E when open or closed circuit cooling towers are specified to be installed, otherwise enter "N/A".

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 2 of 2)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Ashton Tafarrodi	Documentation Author Signature:	
Company:	LP Consulting Engineers, Inc.	Signature Date:	3/13/2019
Address:	1209 Pleasant Grove Blvd	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Roseville , CA 95678	Phone:	916.771.0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Jason DeDora	Responsible Designer Signature:	
Company :	LP Consulting Engineers Inc	Date Signed:	3/13/2019
Address:	1209 Pleasant Grove Blvd	License:	M34661
City/State/Zip:	Roseville, CA 95678	Phone:	916.771.0779

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
CEC-NRCC-MCH-03-E (Revised 05/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-03-E
Mechanical Ventilation & Reheat	(Page 1 of 2)
Project Name: Westmore ES Bldg A	Date Prepared: 3/13/2019

A. Mechanical Ventilation and Reheat

ACTUAL DESIGN INFO (FROM EQUIPMENT SCHEDULES, ETC) | AREA BASIS | OCCUPANCY BASIS | ROOM BASIS | MINIMUM | VAV Reheated Primary Air CFM | | VAV Deadband Primary Air CFM | |

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
ZONE / SYSTEM / VAV BOX TAG	DESIGN PRIMARY COOLING AIRFLOW (CFM)	DESIGN PRIMARY AIRFLOW DURING HEATING (CFM)	DESIGN PRIMARY HEATING AIRFLOW (CFM)	OUTS. TYPE DOC (VAV)	TRANSFER AIRFLOW (CFM)	CONDITIONED AREA (ft²)	MIN CFM PER AREA	MIN CFM BY AREA	NUM. OF PEOPLE	CFM PER PERSON	MIN CFM BY OCCUPANT	MIN CFM BY ROOM	PEOPLE DIVERSITY ADJUSTMENT FACTOR	COMPLIES?	PER-CENTAGE BASED DIVISOR PRIMARY AIR (CFM)	MINIMUM AIRFLOW (CFM)	COMPLIES?	% BASED ON PEAK COOLING AIR (CFM)	MINIMUM BASED ADJUSTED AIRFLOW (CFM)	COMPLIES?
											Total		30	☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A
														☐ Pass ☐ Fail			☐ Pass ☐ Fail ☐ N/A			☐ Pass ☐ Fail ☐ N/A

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

BC|A
architecture
planning
interiors

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LP CONSULTING ENGINEERS
MEP & FS / Sustainability / CxA
1209 Pleasant Grove Blvd.
Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 19-2007

ARCHITECT: LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M 34661 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicates drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Bunton Clifford Associates, 2019

NO.	REMARKS	DATE

DATE
- ○ DSA PLAN CHECK 3/18/2019
- ● DSA BACK CHECK 5/29/2019
- ○ BIDDING
- ○ CONSTRUCTION

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS
ELEMENTARY
SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TITLE 24 COMPLIANCE

Date
03/18/19

Scale
AS NOTED

Project Number
19003.1

Drawing Number
T24.2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/14/2019

E. Declaration of Required Certificates of Acceptance

Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
◉	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

F. Indoor Lighting Schedule and Field Inspection Energy Checklist

- ☐ The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☑ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
◉	○	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
◉	○	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
◉	○	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
◉	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
◉	○	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
◉	○	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
◉	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
◉	○	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
○	◉	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
◉	○	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature: Anthony Zamarripa
Company: LP Consulting Engineers, Inc.	Signature Date: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Kenneth R. Rubitsky	Responsible Designer Signature: Kenneth R. Rubitsky
Company: LP Consulting Engineers, Inc.	Date Signed: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	License: 11798
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/14/2019

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	1360	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4	+	0			
03	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
04	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	1360	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0
	Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)			Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)		
05	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-05, page 2		1904	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-05, page 2		

D. Declaration of Required Certificates of Installation

Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]			✓ = Acceptance Test Required	Field Inspector	
										Controlled Lighting	Watts of Controlled Lighting	PAF	Control Credit (11 x 12)		Pass	Fail
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.6(b)2	§140.6(d)						
Storage A109	Wall Mtd PIR	1	✱	✱	✱							0	☐	○	○
Restroom A110	Wall Mtd PIR	1	✱	✱	✱							0	☐	○	○
Restroom A111	Wall Mtd PIR	1	✱	✱	✱							0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):												0			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):												0			
												Enter Control Credit total into NRCC-LTI-01-E; Page 1:			

1. §130.1(a) = Manual area controls; §130.1(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Automatic Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct PAF. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/14/2019

A. General Information

Climate Zone:	12	Conditioned Floor Area:	2356				
		Unconditioned Floor Area:					
Building Type:		☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel			
☑ Schools		☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces			
Phase of Construction:		☐ New Construction	☐ Addition	☑ Alteration			
Method of Compliance:		☐ Complete Building	☑ Area Category	☐ Tailored			
Project Address: 1504 Fallbrook Street, West Sacramento, CA 95691							

B. Lighting Compliance Documents (select yes for each document included)

For detailed Instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
◉	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
○	◉	NRCC-LTI-04-E	Tailored Method Worksheets
○	◉	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	○	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/14/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature: Anthony Zamarripa
Company: LP Consulting Engineers, Inc.	Signature Date: 03/14/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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Responsible Designer Name: Kenneth R. Rubitsky	Responsible Designer Signature: Kenneth R. Rubitsky
Company: LP Consulting Engineers, Inc.	Date Signed: 03/14/2019
Address: 1209 Pleasant Grove Blvd.	License: 11798
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/14/2019

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

H. Indoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule			Installed Watts					Location	Field Inspector [1]	
				How wattage was determined						
01	02	03	04	05	06	07	08			
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA3	According to §130.0(c)	Number Luminaires	Total Installed Watts in the area (03 x 04=07)	Primary Function area in which these luminaires are installed	Pass	Fail
A1	2x4 LED Lay-in Troffer 7000 Lms	70	☑	☐	12	840	Office, Meeting, Corridor, Support	○	○
A2	2x4 LED Lay-in Troffer 4000 Lms	42	☑	☐	8	336	Corridor, Support	○	○
B1	1x4 LED Surface Mount Wrap 5200 Lms	51	☑	☐	2	102	Utility, Storage	○	○
C1	1x4 LED Wall Mtd Above Mirror Light 6500 Lms	41	☑	☐	2	82	Restroom	○	○
			☑	☐		0		○	○
			☑	☐		0		○	○
			☑	☐		0		○	○
			☑	☐		0		○	○
			☑	☐		0		○	○
INSTALLED WATTS PAGE TOTAL:						1360	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]			✓ = Acceptance Test Required	Field Inspector	
										Controlled Lighting	Watts of Controlled Lighting	PAF	Control Credit (11 x 12)		Pass	Fail
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§130.6(b)2	§140.6(d)						
Vestibule A101	Ceiling Mtd PIR, Daylight Zone	2	✱	✱	✱	✱						0	☐	○	○
Open Office A102	Ceiling D, DM, Skylight Zone	3	✱	✱	✱	✱						0	☐	○	○
Principal A103	Ceiling D, DM, Daylight Zone	3	✱	✱	✱	✱						0	☐	○	○
Office A104	Ceiling D, DM, Daylight Zone	3	✱	✱	✱	✱						0	☐	○	○
Community Room A105	Ceiling D, DM, Daylight & Skylight Zone	4	✱	✱	✱	✱						0	☐	○	○
Office A106	Ceiling D & DM	2	✱	✱	✱							0	☐	○	○
Hallway A107	Ceiling P	2	✱	✱	✱							0	☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):												0			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):												0			
												Enter Control Credit total into NRCC-LTI-01-E; Page 1:			

1. §130.1(a) = Manual area controls; §130.1(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Automatic Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct PAF. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

BCA
architecture
planning
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LP CONSULTING ENGINEERS
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Job #: 19-2007

ARCHITECT
LICENSED ARCHITECT BRIAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER
REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M. 34681 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicates drawings have been released for construction.
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NO.	REMARKS	DATE

DATE
○ DSA PLAN CHECK 3/18/2019
● DSA BACK CHECK 5/29/2019
○ BIDDING
○ CONSTRUCTION

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TITLE 24 COMPLIANCE

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number T24.3

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature:
Company: LP Consulting Engineers, Inc.	Signature Date: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
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Responsible Designer Name: Kenneth R. Rubitsky	Responsible Designer Signature:
Company: LP Consulting Engineers, Inc.	Date Signed: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	License: 11798
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
- Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.
- Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01		02		03		04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER ft²	X	AREA (ft²)	=	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C					
Vestibule A101	Support	0.60		326		195.6
Open Office A102	Office > 250 sqft	0.75		310		232.5
Principal A103, Office A104, Office A106	Office <= 250 sqft	1.00		601		601
Community Room A105	Meeting	1.20		347		416.4
Hallway A107	Corridor	0.60		400		240
MDF Electrical A108	Electrical, Mechanical Room	0.55		96		52.8
Storage A109	Commercial Industrial Storage	0.60		116		69.6
Restroom A110, A111	Restroom	0.60		160		96
						0
						0
						0
						0
						0
						0
						0
						0
		TOTALS		2356		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						1903.9
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: Westmore Oaks ES Bldg A	Date Prepared: 03/13/2019

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
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A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	0		
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			1904
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1	0		1904

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01	02		03		04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER ft²	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
					0
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					0

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES	Watts
Total from section C-2	1904
Total from section C-3	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	1904
For Alterations Only – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.	

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/14/2019

E. Declaration of Required Certificates of Acceptance
Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

F. Indoor Lighting Schedule and Field Inspection Energy Checklist
- ☐ The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☑ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/14/2019

C. Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	134	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4	+	0			
03	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
04	Adjusted **Installed** Lighting Power (row 1 plus row 2 minus row 3)	=	134	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	0
	Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)			Complies ONLY if **Installed** ≤ **Allowed** (Box 04 < Box 05)		
05	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		253	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		

D. Declaration of Required Certificates of Installation
Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/14/2019

A. General Information

Climate Zone:	12	Conditioned Floor Area:	421		
		Unconditioned Floor Area:			
Building Type:		☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel	
☑ Schools		☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces	
Phase of Construction:		☐ New Construction	☐ Addition	☑ Alteration	
Method of Compliance:		☑ Complete Building	☑ Area Category	☐ Tailored	

Project Address: 1504 Fallbrook Street, West Sacramento, CA 95691

B. Lighting Compliance Documents (select yes for each document included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
◉	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
○	◉	NRCC-LTI-04-E	Tailored Method Worksheets
○	◉	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	○	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
◉	○	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
◉	○	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
◉	○	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
◉	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
◉	○	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
◉	○	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
◉	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
○	◉	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
○	◉	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
◉	○	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/14/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature:
Company: LP Consulting Engineers, Inc.	Signature Date: 03/14/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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Responsible Designer Name: Kenneth R. Rubitsky	Responsible Designer Signature:
Company: LP Consulting Engineers, Inc.	Date Signed: 03/14/2019
Address: 1209 Pleasant Grove Blvd.	License: 11798
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/14/2019

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
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H. Indoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Field Inspector[1]	
01	02	03	04		05	06	07	08	
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined: CEC Default from NAB	According to §130.0(c)	Number Luminaires	Total Installed Watts (Watts x MULT. x NO.)	Primary Function area in which these luminaires are installed	Pass	Fail
D1	6" LED Round Downlight 2000 Lms	19.1	☑	☐	7	133.7	Restroom, Storage	○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
INSTALLED WATTS PAGE TOTAL:						133.7	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

BC|A
architecture
planning
interiors

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ARCHITECT: LICENSED ARCHITECT, BRIAN P. WHITMORE, No. C 30345, Ren.: 9/30/19, STATE OF CALIFORNIA
ENGINEER: REGISTERED PROFESSIONAL ENGINEER, JASON DEDORA, No. M 34681, REN. 12-31-19, MECHANICAL, STATE OF CALIFORNIA

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NO.	REMARKS	DATE

	DATE
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● DSA BACK CHECK	5/29/2019
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○ CONSTRUCTION	

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TITLE 24 COMPLIANCE

Date: 03/18/19
Scale: AS NOTED
Project Number: 19003.1
Drawing Number: T24.4

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

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A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES

If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)		(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	0		
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			1904
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1	0		1904

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01 TYPE OF BUILDING (From §140.6 Table 140.6-B)	02 WATTS PER ft²		03 COMPLETE BLDG. AREA		04 ALLOWED WATTS
					0
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					0

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES

	Watts
Total from section C-2.	1904
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	1904
For Alterations Only – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.	

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 04/17) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

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STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
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CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]				Field Inspector	
										Controls Eligible	Watts of Controls	PAF	Credit (Cols. [11] x [12])	Test Required	✓ if Acceptance	
01 Location in Building	02 Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	03 # of Units	04 §130.1(a)	05 §130.1(b)	06 §130.1(c)	07 §130.1(d)	08 §130.1(e)	09 §130.6(d)2	10 §130.6(d)1	11	12	13	14	15 Pass	15 Fail
Restrooms & Storage Rm	Wall Mtd PIR per room	6	✶	✶	✶							0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):												0			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):															
													Enter Control Credit total into NRCC-LTI-01-E; Page 1.		

1. §130.1(a) = Manual area controls; §130.1(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Automatic Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(a) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct PAF. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

A. General Information

Project Address: 1504 Fallbrook St., Sacramento, CA 95691	Total Illuminated Hardscape Area: 40679
Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration	
Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ☑ LZ-3 ☐ LZ-4	
I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114	

B. Lighting Compliance Documents (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance
☐	NRCC-LTO-04-E	Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power

		Watts
01	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.	2301
	Complies ONLY if **Installed** (Box 02) ≤ **Allowed** (Box 01)	
02	**Sum Total INSTALLED** Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.	1512

D. Declaration of Required Installation Certificates
Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☑ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature: Anthony Zamarripa
Company: LP Consulting Engineers, Inc.	Signature Date: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Kenneth R. Rubitsky	Responsible Designer Signature: Kenneth R. Rubitsky
Company: LP Consulting Engineers, Inc.	Date Signed: 03/13/2019
Address: 1209 Pleasant Grove Blvd.	License: 11798
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: Westmore Oaks ES Bldg B	Date Prepared: 03/13/2019

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C -2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
- Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.
- Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01 AREA CATEGORY (From §140.6 Table 140.6-C)		02		03		04
Location in Building	Primary Function Area per Table 140.6-C	WATTS PER ft²	X	AREA (ft²)	=	ALLOWED WATTS
Restrooms & Storage room	Restroom/Support	0.60		421		252.6
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
		TOTALS		421		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						252.6 WATTS

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

01 Name or Symbol	02 Description of exempt luminaire in accordance with the exemptions

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

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STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts				Location	Cutoff	Field Inspector	
01	02	03	04 How wattage was determined		05	06	07	08	09	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NAR	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (03 x 05)	Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
S1	LED Direct Downward Pole Light 15400 Lms	160	☑	☐	5	800	Automotive Hardscape	UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	○	○
S2	LED Direct Downward Pole Light 14620 Lms	160	☑	☐	1	160	Automotive Hardscape	UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	○	○
S3	LED Outdoor Sconce Light 6000 Lms	69	☑	☐	8	552	Non Sales Canopy	UH: n/a UL: n/a FVH: n/a BVH: n/a FH: n/a BH: n/a	○	○
		INSTALLED WATTS PAGE TOTAL:				1512	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		1512	

DSA STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117459 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/29/2019

BCA
architecture
planning
interiors

BCA Architects
980 9th St., Suite 2050
Sacramento, California 95814
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Roseville, CA 95678
p 916-771-0778
www.lpengineers.com
Job #: 19-2007

ARCHITECT: LICENSED ARCHITECT BRYAN P. WHITMORE No. C 30345 Ren.: 9/30/19 STATE OF CALIFORNIA

ENGINEER: REGISTERED PROFESSIONAL ENGINEER JASON DEDORA M. 34681 REN. 12-31-19 MECHANICAL STATE OF CALIFORNIA

1. This sheet is part of a set and is not to be used alone.
2. This sheet is not to be used for construction unless the architect's stamp and signature appear on the drawings and the status box indicates drawings have been released for construction.
3. These plans and prints thereof, as instruments of service, are owned by the architect and are for use on this project only. Reproduction and/or distribution without the prior written consent of the architect is forbidden.
4. Copyright Bunton Clifford Associates, 2019

NO.	REMARKS	DATE

DATE
○ DSA PLAN CHECK 3/18/2019
● DSA BACK CHECK 5/29/2019
○ BIDDING
○ CONSTRUCTION

WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

CONSTRUCTION DOCUMENTS

WESTMORE OAKS ELEMENTARY SCHOOL
1504 FALLBROOK ST.
WEST SACRAMENTO, CA 95691

TITLE 24 COMPLIANCE

Date 03/18/19
Scale AS NOTED
Project Number 19003.1
Drawing Number T24.5

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-03-E (Revised 09/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature: Anthony Zamarripa
Company: LP Consulting Engineers, Inc.	Signature Date: 3/11/2019
Address: 1209 Pleasant Grove Blvd.	CEA Certification Identification (if applicable):
City/State/Zip: Roseville, CA 95678	Phone: 916-771-0778

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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-03-E (Revised 09/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or leave empty if Exempted)						For CF2R Acceptance Test Required	Field Inspection	
01	02	03	04	05	06	07	08	09	10	11	
Location and Application of Luminaires Being Controlled	Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
Ext Bldg Mtd Lighting & Shade Structures	Outdoor Astronomical Time Switch in LCP	1	◉	◉	◉				☑	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTG-03-E (Revised 09/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:
- ☑ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☑ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
- ☐ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b)
- ☑ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1.
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
- ☐ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
- ☐ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
- ☑ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4 (a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Anthony Zamarripa	Documentation Author Signature: Anthony Zamarripa
Company: LP Consulting Engineers, Inc.	Signature Date: 03/11/2019
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STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

- Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of area for which ornamental allowance is claimed	Square Feet of Hardscape	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
							Sum total allowance for ornamental lighting on the site:		0

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

- Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS				DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Illuminated Area of Application	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
Shade Structure	5320	0.408	2170.56	53	Exterior Surface Mtd LED Luminaire	8	69	552	552
			0					0	
			0					0	
			0					0	
							Sum total allowance for specific area on the site:		552

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: Westmore Oaks Elementary School	Date Prepared: 03/11/2019

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E)	1.	2218.91
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.		

PER APPLICATION from Section C-1		PER UNIT LENGTH (SALES FRONTAGE) from Section C-2		PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3		PER SPECIFIC AREA from Section C-4.			
0	+	0	+	0	+	552	=	2.	552
3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)								3.	2770.91

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
01	02	03	04	05	06	07	08	09
Name of Area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B02 x B03)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (B05 x B06)	IWA (Watts)	B04 + B07 + B08
Automotive Hardscape	35359	0.04	1414.36	813	0.35	284.55	520	2218.91
			0			0		0
			0			0		0
			0			0		0