

2018 HVAC – Wilson

PUBLIC MEETING

ARA ZARECZNY – DIRECTOR OF FACILITIES

2018 HVAC Upgrades

Project Description:

Heating, Ventilation and Air Conditioning (HVAC) projects include the complete replacement of systems at various schools.

Anticipated Heating, Ventilation and Air Conditioning (HVAC) Installation Plan

Below is the Newport-Mesa Unified School District's anticipated phased-in plan for installing Heating, Ventilation and Air Conditioning (HVAC) in all schools and district facilities. **Please note that the following schedule is tentative and subject to change due to varying unforeseen factors.**

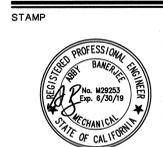
SCHOOL	HVAC	NOTES
California	Yes	Completed Summer, 2015
TeWinkle	Yes	Completed Summer, 2015
Killybrooke	Yes	Completed Summer, 2015
ECHS	Yes	Completed as part of modernization in 2016
Paularino	Yes	Summer Completed Summer, 2016
Sonora	Yes	Completed Summer, 2016
Adams	Yes	Completed Summer, 2016
Victoria	Yes	Had HVAC prior to projects
Rea	Yes	Had HVAC prior to projects
Eastbluff	Yes	Had HVAC prior to projects
Andersen	Yes	Had HVAC prior to projects
Lincoln	Yes	Had HVAC prior to projects
Newport Coast	Yes	Had HVAC prior to projects
Estancia	Yes	Had HVAC prior to projects
Corona del Mar HS/MS	Yes	Had HVAC prior to projects
Davis Magnet	Anticipated Completion 2018	In design
College Park	Anticipated Completion 2018	In design
Wilson	Anticipated Completion 2018	In design
Pomona	Anticipated Completion 2018	In design
Kaiser	Anticipated Completion 2018	In design
Woodland	Anticipated Completion 2018	In design
Whittier	Anticipated Completion 2019	
Mariners	Anticipated Completion 2019	
Newport Heights	Anticipated Completion 2019	
Ensign	Anticipated Completion 2019	
Newport El	Anticipated Completion 2019	
Harbor View	Anticipated Completion 2019	
Back Bay	Anticipated Completion 2019	
Costa Mesa HS/MS	Anticipated Completion 2020	Partial HVAC; full HVAC anticipated 2020
Newport Harbor	Anticipated Completion 2021	Partial HVAC; full HVAC anticipated 2021



MITSUBISHI ELECTRIC CITY MULTI

Warning
CAUTION
DO NOT TOUCH THE CONDENSER COILS OR THE FAN BLADES.
If you touch the condenser coils or the fan blades, you may be injured.
Always use caution when working on the outdoor unit.
Always use proper safety procedures when working on the outdoor unit.
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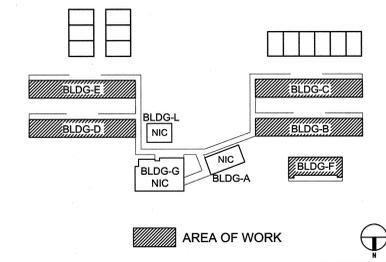
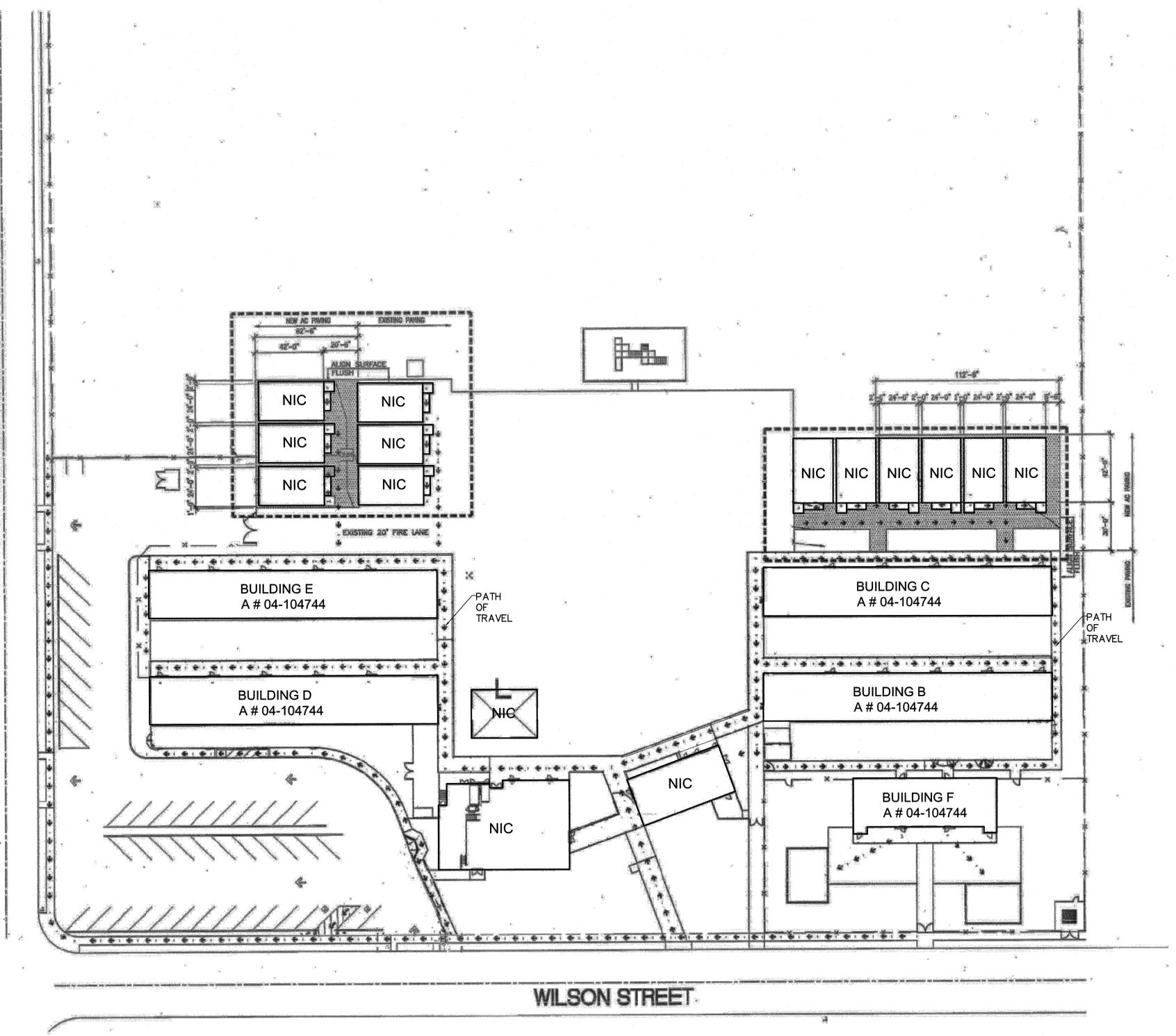
PROJECT NAME:

**WILSON
 ELEMENTARY SCHOOL**
 801 W WILSON ST
 COSTA MESA, CA 92627

No.	Rev.	Date	Description
2017-09-26	1ST	DSA SUBMITTAL	
2018-01-23	DSA	BACKCHECK	
JOB NO: 570038			
DATE: 2018-01-23			
DRAWN:			
CHECK:			
ARCHITECT:			
ENGINEER: OED			
CONSULTANT			

STATE: CALIFORNIA
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP # 4-116611
 AC: FLS SS
 DATE: JAN 23 2018
 SHEET DESCRIPTION:
SITE PLAN
 SHEET NO: T-2

- SCOPE OF WORK**
- BUILDING A, ADMINISTRATION; NOT IN SCOPE OF WORK.
 - BLDG B, CLASSROOM: REPLACE (E) FAU's IN CLASSROOMS WITH (N) SPLIT HEAT PUMP AND FAN COIL UNITS. THE BUILDING HAS (5) CLASSROOMS, EACH WITH AN EXISTING FURNACE IN A MECHANICAL CLOSET WITHIN THE CLASSROOM. THE SCOPE IN THE MECHANICAL CLOSET INCLUDES FURNACE REMOVAL, EXISTING RETURN AIR PLENUM REMOVAL AND WALL PATCH AND PAINT, ALL UTILITIES TO BE RELOCATED CLOSE TO WALLS. PAINTING OF ALL WALLS. EXISTING RETURN AIR GRILLES AND OUTSIDE AIR LOUVERS TO REMAIN. EACH CLASSROOM WILL BE SERVED BY (N) SPLIT FAN COIL UNIT. REFER TO MD-2 FOR DEMOLITION WORK IN THIS BUILDING. REFER TO M-2 FOR NEW WORK IN THIS BUILDING.
 - BLDG C, CLASSROOM: REPLACE (E) FAU's IN CLASSROOMS WITH (N) SPLIT HEAT PUMP AND FAN COIL UNITS. THE BUILDING HAS (5) CLASSROOMS, EACH WITH AN EXISTING FURNACE IN A MECHANICAL CLOSET WITHIN THE CLASSROOM. THE SCOPE IN THE MECHANICAL CLOSET INCLUDES FURNACE REMOVAL, EXISTING RETURN AIR PLENUM REMOVAL AND WALL PATCH AND PAINT, ALL UTILITIES TO BE RELOCATED CLOSE TO WALLS. PAINTING OF ALL WALLS. EXISTING RETURN AIR GRILLES AND OUTSIDE AIR LOUVERS TO REMAIN. EACH CLASSROOM WILL BE SERVED BY (N) SPLIT FAN COIL UNIT. REFER TO MD-3 FOR DEMOLITION WORK IN THIS BUILDING. REFER TO M-3 FOR NEW WORK IN THIS BUILDING.
 - BLDG D, CLASSROOM: REPLACE (E) FAU's IN CLASSROOMS WITH (N) SPLIT HEAT PUMP AND FAN COIL UNITS. THE BUILDING HAS (5) CLASSROOMS, EACH WITH AN EXISTING FURNACE IN A MECHANICAL CLOSET WITHIN THE CLASSROOM. THE SCOPE IN THE MECHANICAL CLOSET INCLUDES FURNACE REMOVAL, EXISTING RETURN AIR PLENUM REMOVAL AND WALL PATCH AND PAINT, ALL UTILITIES TO BE RELOCATED CLOSE TO WALLS. PAINTING OF ALL WALLS. EXISTING RETURN AIR GRILLES AND OUTSIDE AIR LOUVERS TO REMAIN. EACH CLASSROOM WILL BE SERVED BY (N) SPLIT FAN COIL UNIT. REFER TO MD-4 FOR DEMOLITION WORK IN THIS BUILDING. REFER TO M-4 FOR NEW WORK IN THIS BUILDING.
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 - BLDG F, CLASSROOM: REPLACE (E) FAU's IN CLASSROOMS WITH (N) SPLIT HEAT PUMP AND FAN COIL UNITS. THE BUILDING HAS (5) CLASSROOMS, EACH WITH AN EXISTING FURNACE IN A MECHANICAL CLOSET WITHIN THE CLASSROOM. THE SCOPE IN THE MECHANICAL CLOSET INCLUDES FURNACE REMOVAL, EXISTING RETURN AIR PLENUM REMOVAL AND WALL PATCH AND PAINT, ALL UTILITIES TO BE RELOCATED CLOSE TO WALLS. PAINTING OF ALL WALLS. EXISTING RETURN AIR GRILLES AND OUTSIDE AIR LOUVERS TO REMAIN. REFER TO MD-6 FOR DEMOLITION WORK IN THIS BUILDING. REFER TO M-6 FOR NEW WORK IN THIS BUILDING.
 - BLDG G, MULTI-PURPOSE BUILDING; NOT IN SCOPE OF WORK.
 - PORTABLE BUILDINGS; NOT IN SCOPE OF WORK.



SITE PLAN

1" = 30'-0" 2

KEY PLAN

NOT TO SCALE

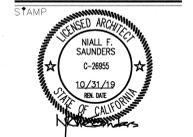


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 ENGINEER: OED



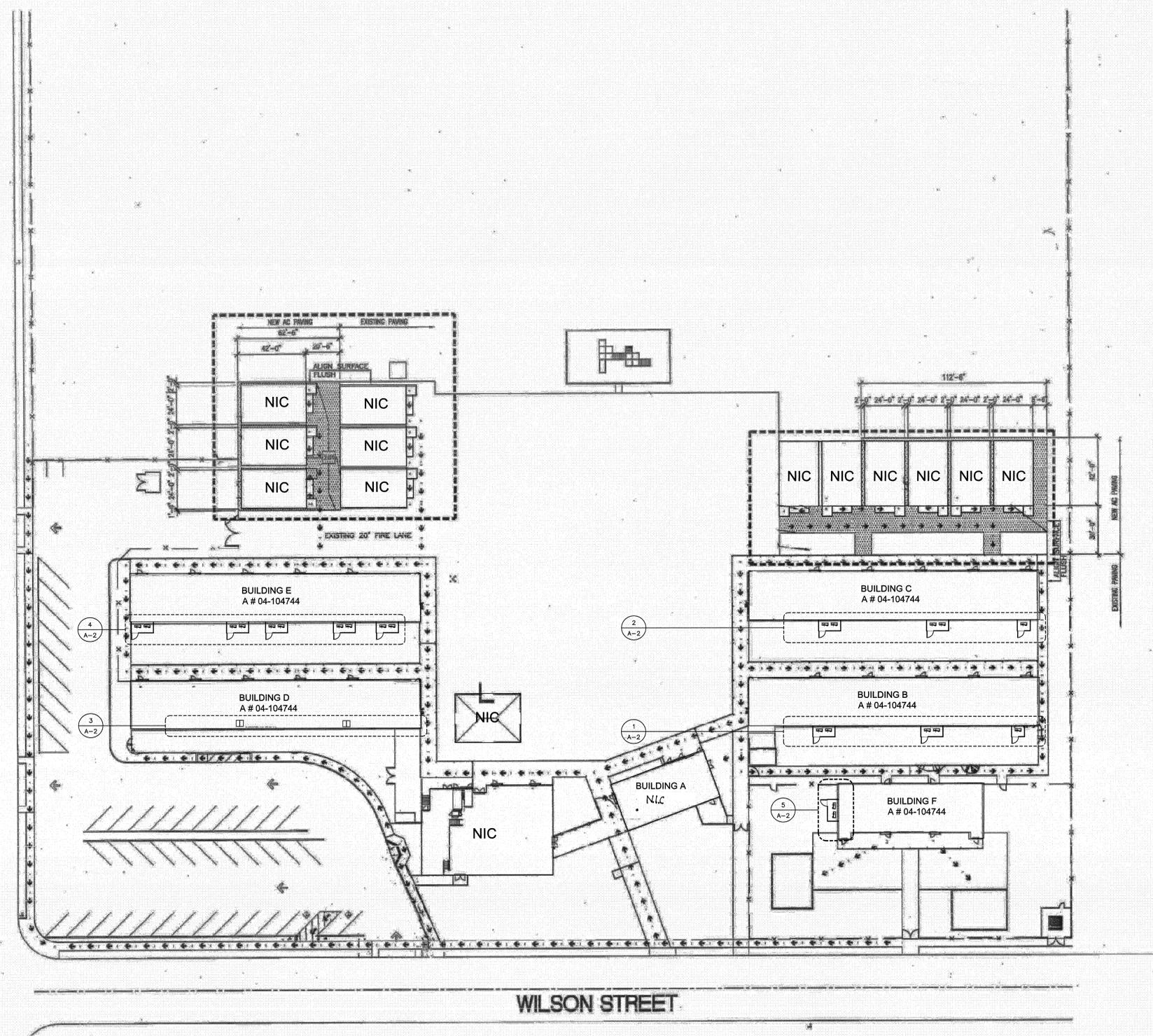
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AC: FLS, SS, [Signature]
 DATE: JAN 23 2018

SHEET DESCRIPTION:
**FENCE ENCLOSURE
 SITE PLAN**
 SHEET NO:

A-1

PLACENTIA AVENUE

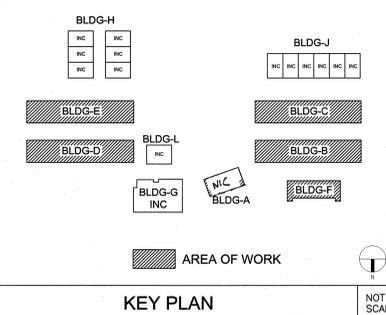


WILSON STREET



FENCE ENCLOSURE SITE PLAN

1" = 30'-0" 2

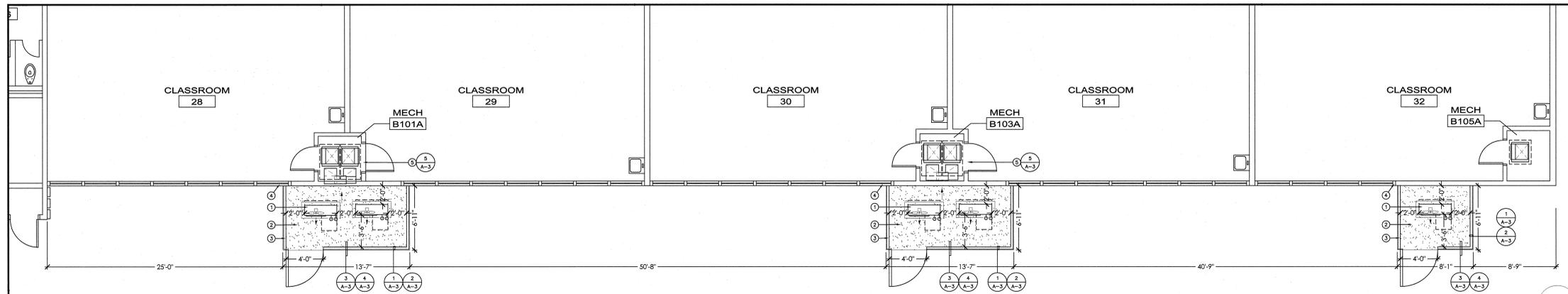


AREA OF WORK



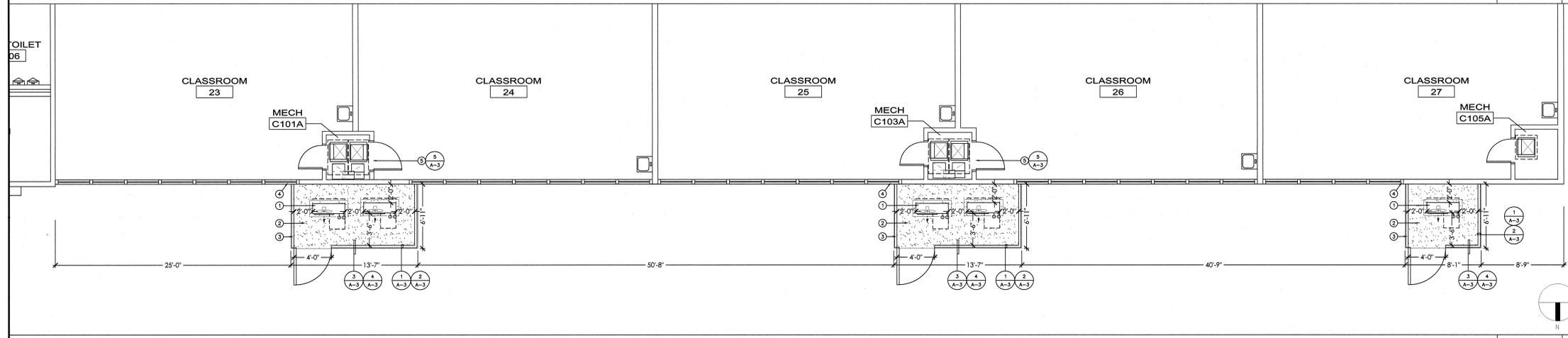
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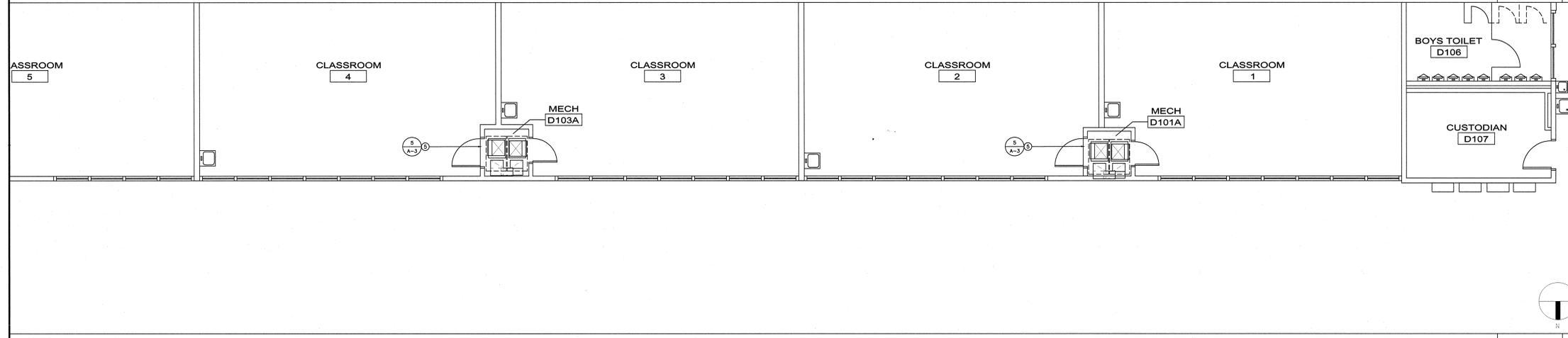
BUILDING B REMODEL FLOOR PLAN

3/16" = 1'-0" 1



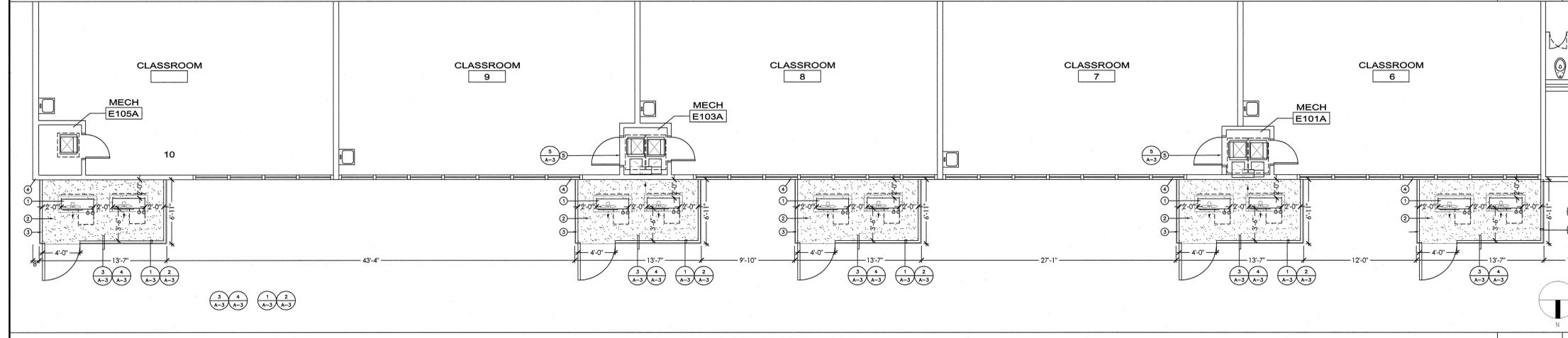
BUILDING C REMODEL FLOOR PLAN

3/16" = 1'-0" 2



BUILDING D REMODEL FLOOR PLAN

3/16" = 1'-0" 3

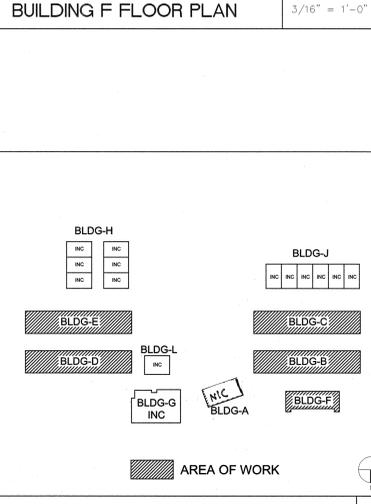
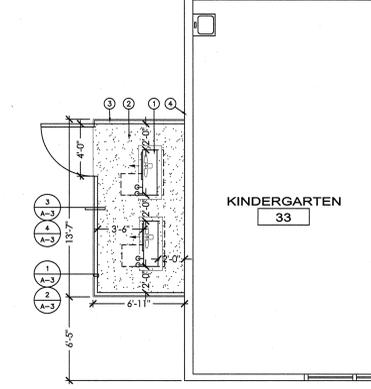
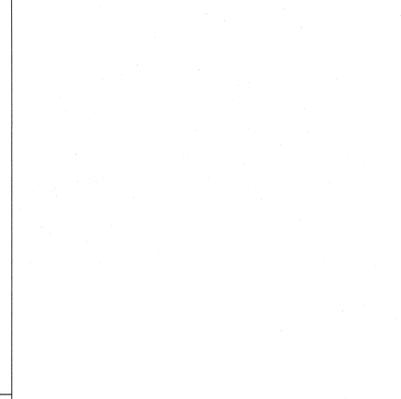


BUILDING E REMODEL FLOOR PLAN

3/16" = 1'-0" 4

- CONSTRUCTION NOTES:**
1. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AS NECESSARY PRIOR TO INSTALLATION.
 2. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCES FROM ALL ELECTRICAL EQUIPMENT AND SERVICE CLEARANCES FOR MECHANICAL EQUIPMENT.
 3. CONTRACTOR SHALL COORDINATE EXACT EQUIPMENT PAD SIZES AND LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION.
 4. CONTRACTOR SHALL INSULATE ALL REFRIGERANT PIPING SUCTION LINES, AND PROVIDE WEATHER JACKETING FOR ALL REFRIGERANT PIPING.
 5. BEFORE BIDDING ON THIS WORK, THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES, EXISTING EQUIPMENT AND SERVICES. HE SHALL DEFINITELY DETERMINE IN ADVANCE, THE METHODS OF INSTALLING AND CONNECTING THE NEW EQUIPMENT, DUCTWORK, AND PIPING THE MEANS TO BE PROVIDED FOR GETTING THE EQUIPMENT AND MATERIALS INTO PLACE AND SHALL MAKE HIMSELF THOROUGHLY FAMILIAR WITH ALL OF THE REQUIREMENTS OF THE PROJECT. FAILURE TO VISIT THE SITE WILL IN NO WAY RELIEVE THE SUCCESSFUL CONTRACTOR OF THE NECESSITY OF FURNISHING ANY MATERIAL OR PERFORMING ANY WORK THAT MAY BE REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. THIS ADDITIONAL SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
 6. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 7. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED TO FACILITATE DEMOLITION AND/OR PERFORMANCE OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH U.O.N.

- FLOOR PLAN CONSTRUCTION KEY NOTES**
1. NEW SPLIT SYSTEM HEAT PUMPS - MOUNT PER MANU. - SEE MECHANICAL.
 2. NEW CONCRETE PAD - SEE DETAIL 4-3
 3. NEW CHAIN LINK FENCE ENCLOSURE W/ 48" GATE - BY MASTER HALCO OR EQUIV. - SEE A-3 FOR DETAILS.
 4. EXIST. BLDG. FACE TO REMAIN - PROTECT IN PLACE DURING INSTALL.
 5. NEW 3050 MECH. ACCESS DOOR SET 24" A.F.F. TO EXIST. MECH. PLATFORM. SOLID CORE WOOD DOOR W/ WESTERN INTEGRATED AND CLR. KNOCKDOWN FRAME & SOUND SEALS, 1 PAIR 4" BUTT HINGES, LOCKING LEVER HARDWARE BY SCHLAGE, COLOR TO MATCH EXIST.

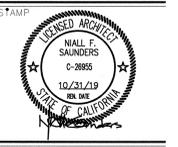


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2017-09-26	1ST	USA	SUBMITTAL
2018-2015-05-20			ADDENDUM 1

JOB NO: 570038
 DATE: 2018-01-23
 DRAWN:
 CHECK:
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 ENGINEER: OED



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A-2