

Woodland Elementary School – HVAC Project

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

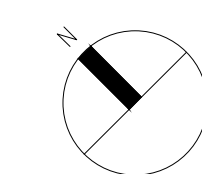
Below is the Newport-Mesa Unified School District's anticipated phased-in plan for installing Heating, Ventilation and Air Conditioning (HVAC) in all schools and district facilities. **Please note that the following schedule is tentative and subject to change due to varying unforeseen factors.**

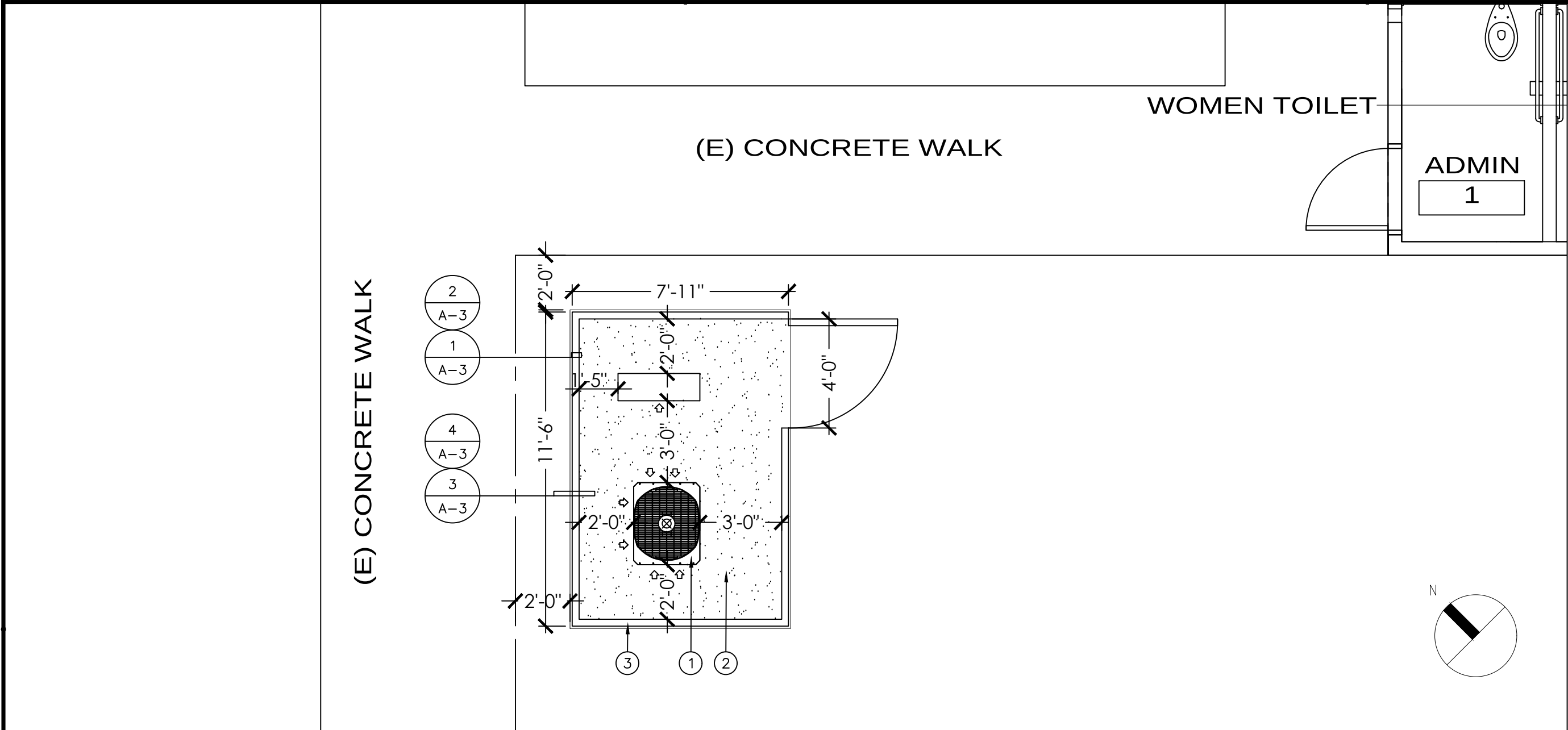
SCHOOL	HVAC	NOTES
California	Yes	Completed Summer, 2015
TeWinkle	Yes	Completed Summer, 2015
Killybrooke	Yes	Completed Summer, 2015
ECHS	Yes	Completed as part of modernization in 2016
Paularino	Yes	Summer Completed Summer, 2016
Sonora	Yes	Completed Summer, 2016
Adams	Yes	Completed Summer, 2016
Victoria	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





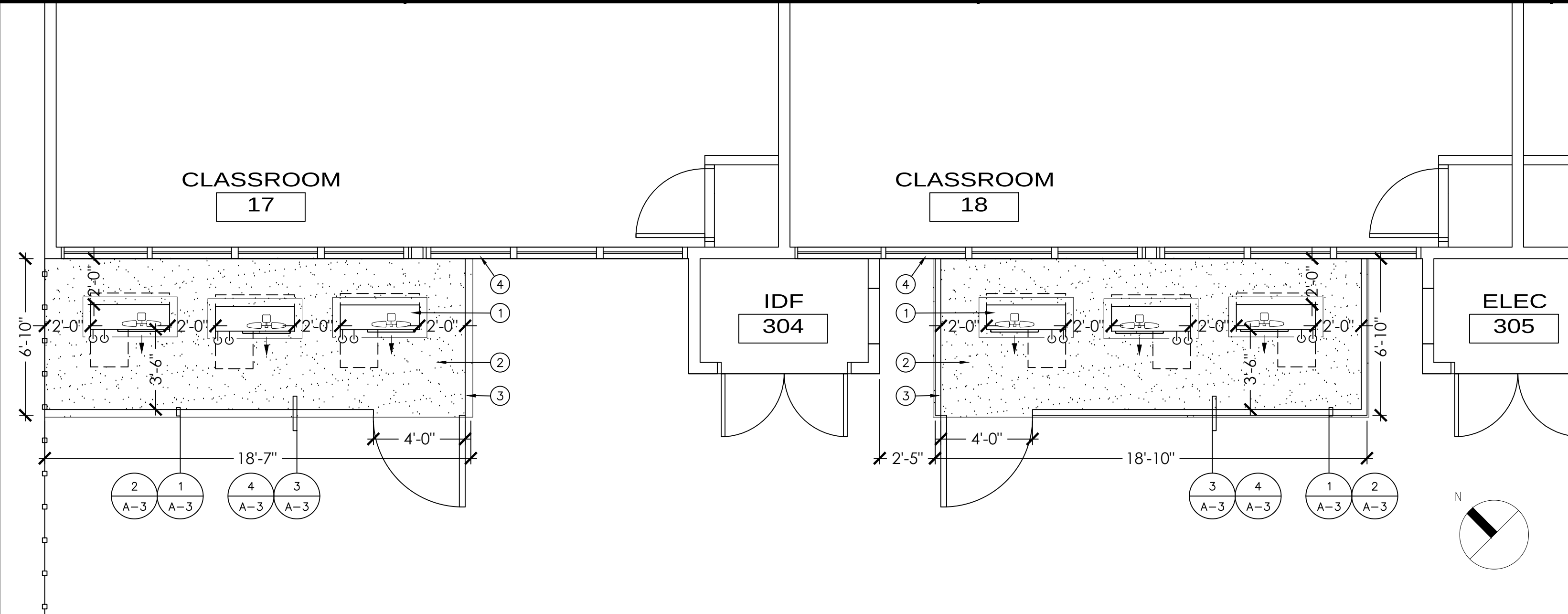
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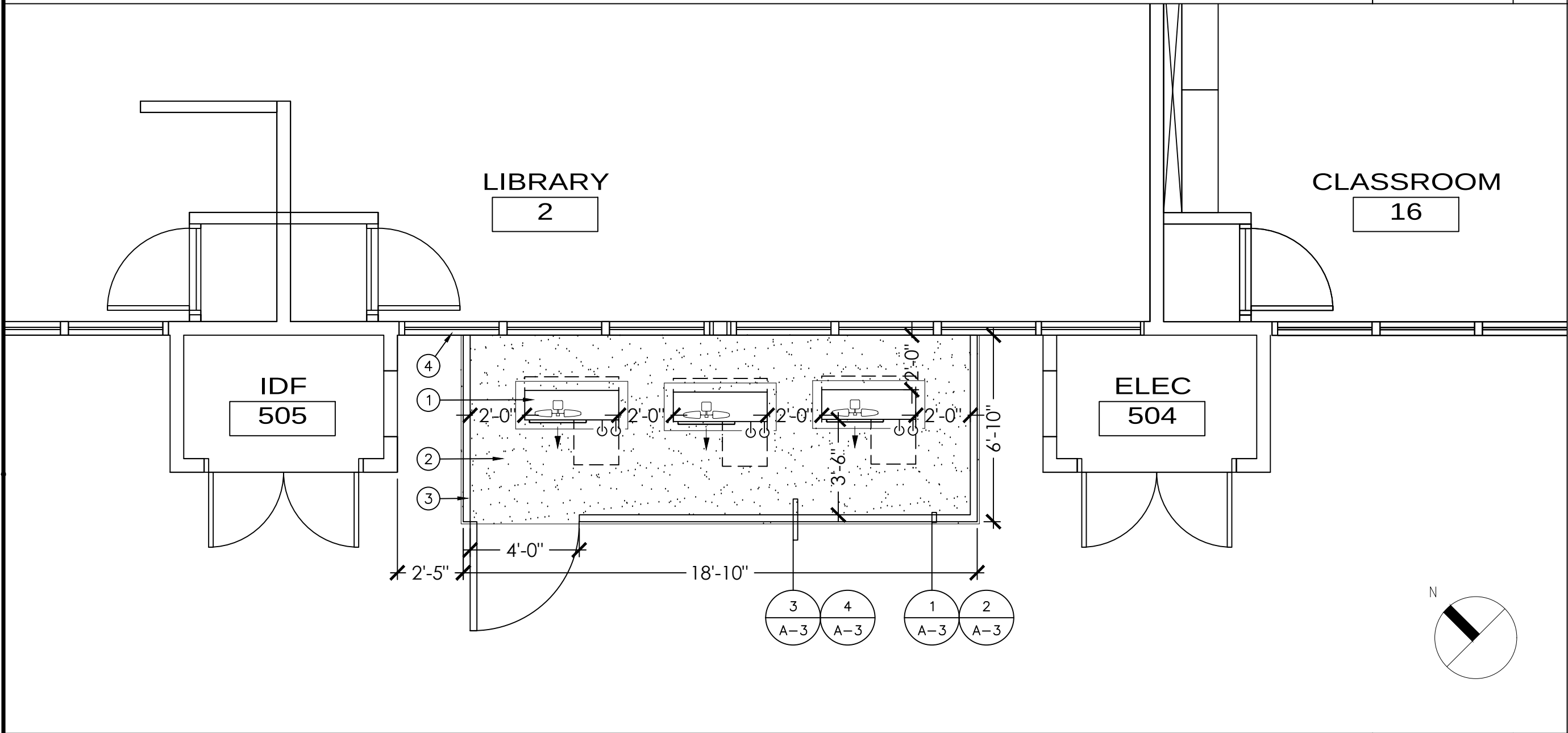
BUILDING 1 REMODEL FLOOR PLAN

1/4" = 1'-0" 1



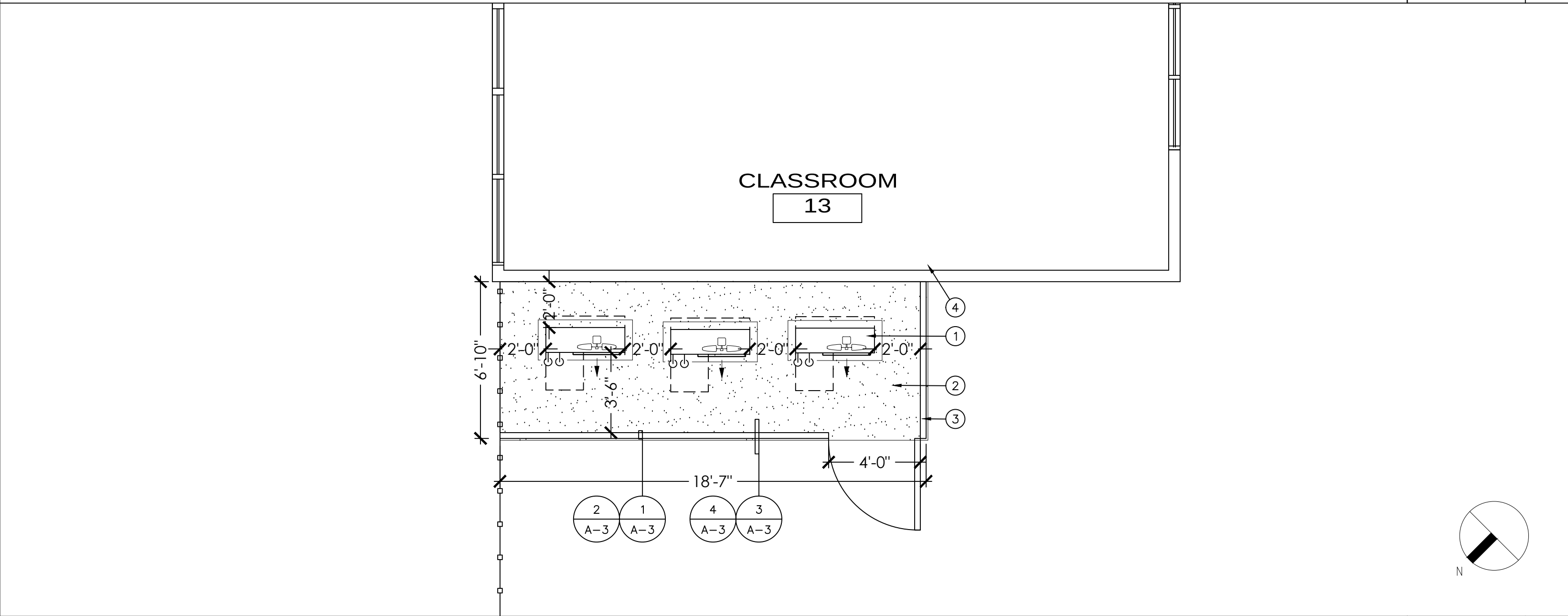
BUILDING 3 REMODEL FLOOR PLAN

1/4" = 1'-0" 2



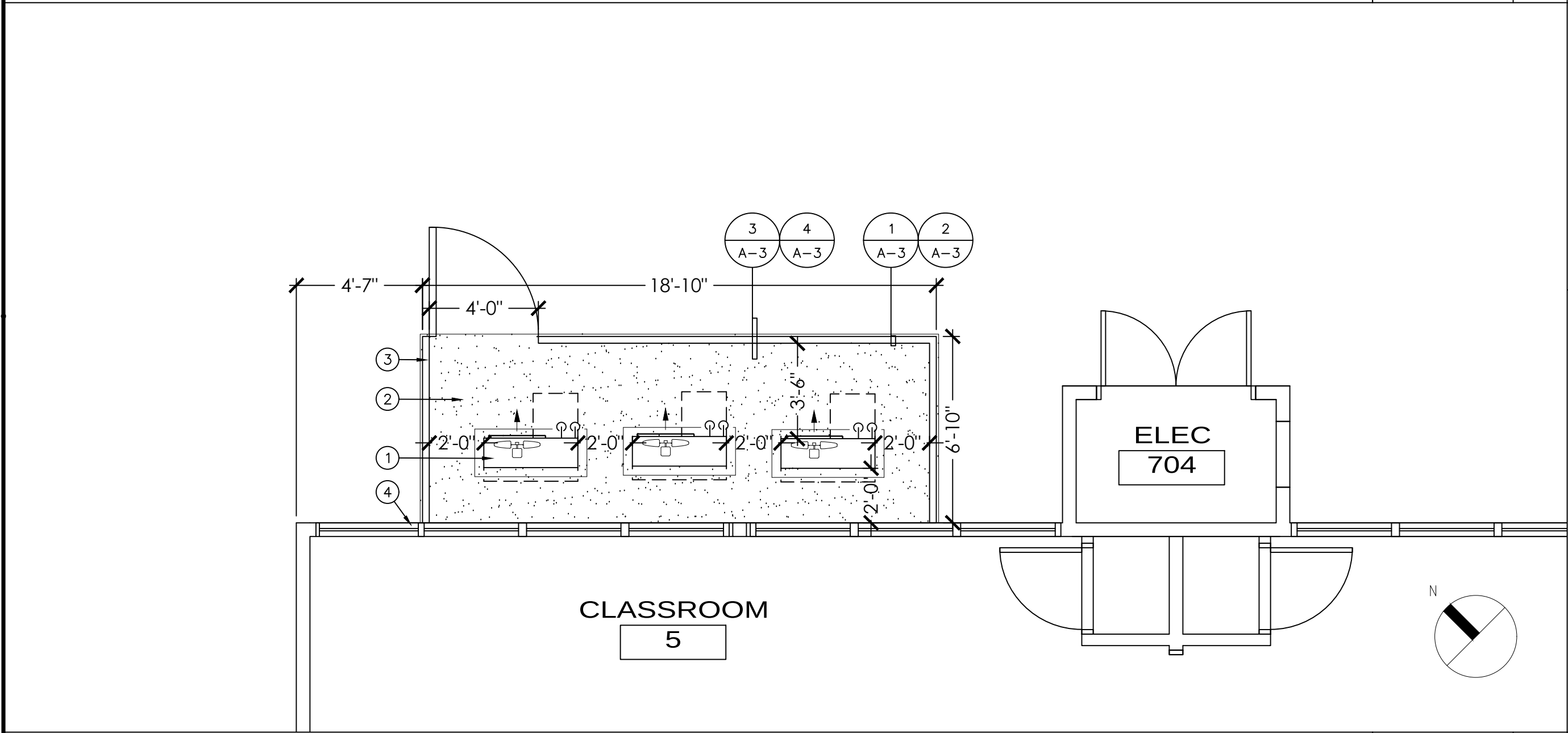
BUILDING 5 REMODEL FLOOR PLAN

1/4" = 1'-0" 3



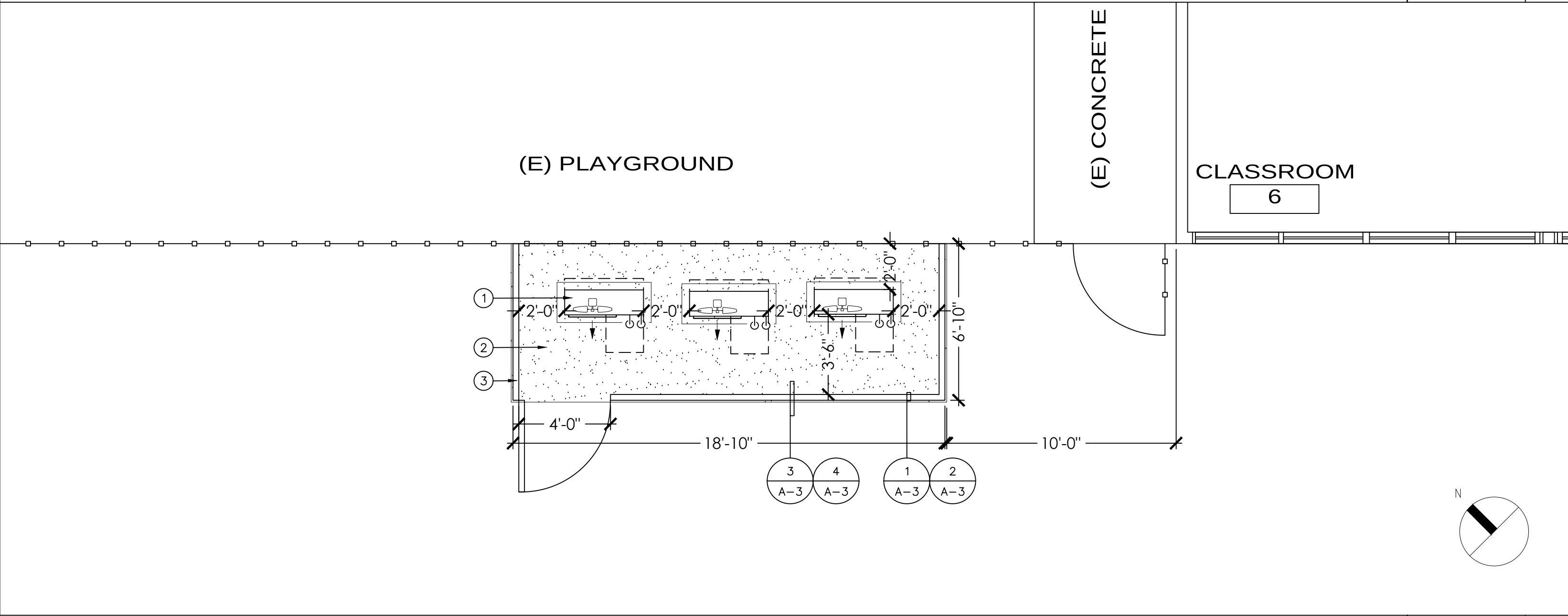
BUILDING 6 REMODEL FLOOR PLAN

1/4" = 1'-0" 4



BUILDING 7 REMODEL FLOOR PLAN

1/4" = 1'-0" 5



BUILDING 8 REMODEL FLOOR PLAN

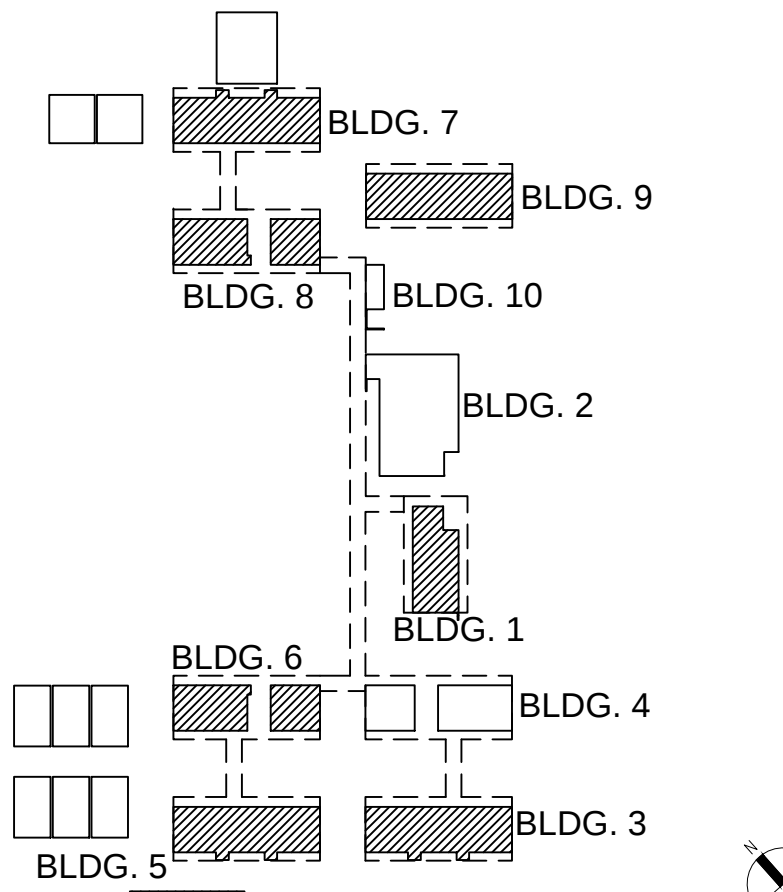
1/4" = 1'-0" 6



BUILDING 9 REMODEL FLOOR PLAN

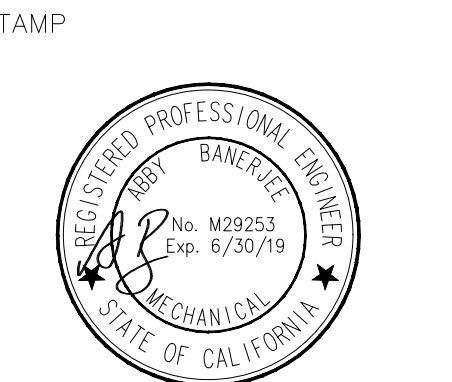
1/4" = 1'-0" 7

- 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 PERFORMANCE OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH U.O.N.
 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.
- FLOOR PLAN CONSTRUCTION KEY NOTES**
1. NEW SPLIT SYSTEM HEAT PUMPS – MOUNT PER MANU. – SEE MECHANICAL.
 2. NEW CONCRETE PAD – SEE DETAIL 4A-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.



KEY PLAN

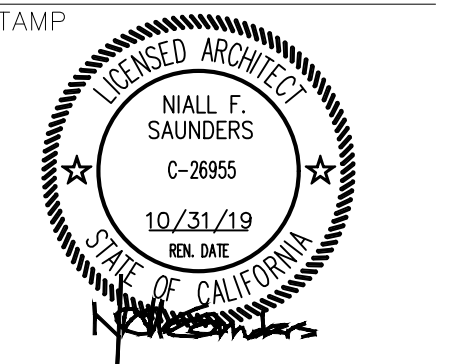
NOT TO SCALE



PROJECT NAME:

**WOODLAND
ELEMENTARY SCHOOL**
2025 GARDEN LN
COSTA MESA, CA 92627

No.	Rev.	Date	Description
2018-02-23	75% PROGRESS SET		
2018-03-02	DSA SUBMITTAL		
JOB NO:	570067		
DATE:	2018-01-24		
DRAWN:	MR		
CHECK:	JP		
ARCHITECT:	SWA		
ENGINEER:	OED		



STATE: _____
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP # 04-116994

AC _____ FLS _____ SS _____
DATE _____

SHEET DESCRIPTION:
**FENCE
ENCLOSURE
PLAN**

SHEET NO:

48" GATE & HDWR. PROVIDE LOCK/LATCH

3" O.D. x 0.160 THICK GALV. ROUND END & CORNER POST

CHAIN LINK

3" O.D. LINE POST

B-1

H-1

GRADE

42" TYP.

48" MAX

7 GA. TENSION WIRE SPECIFY WHEN REQUIRED.

1/2" DIA. TRUSS ROD

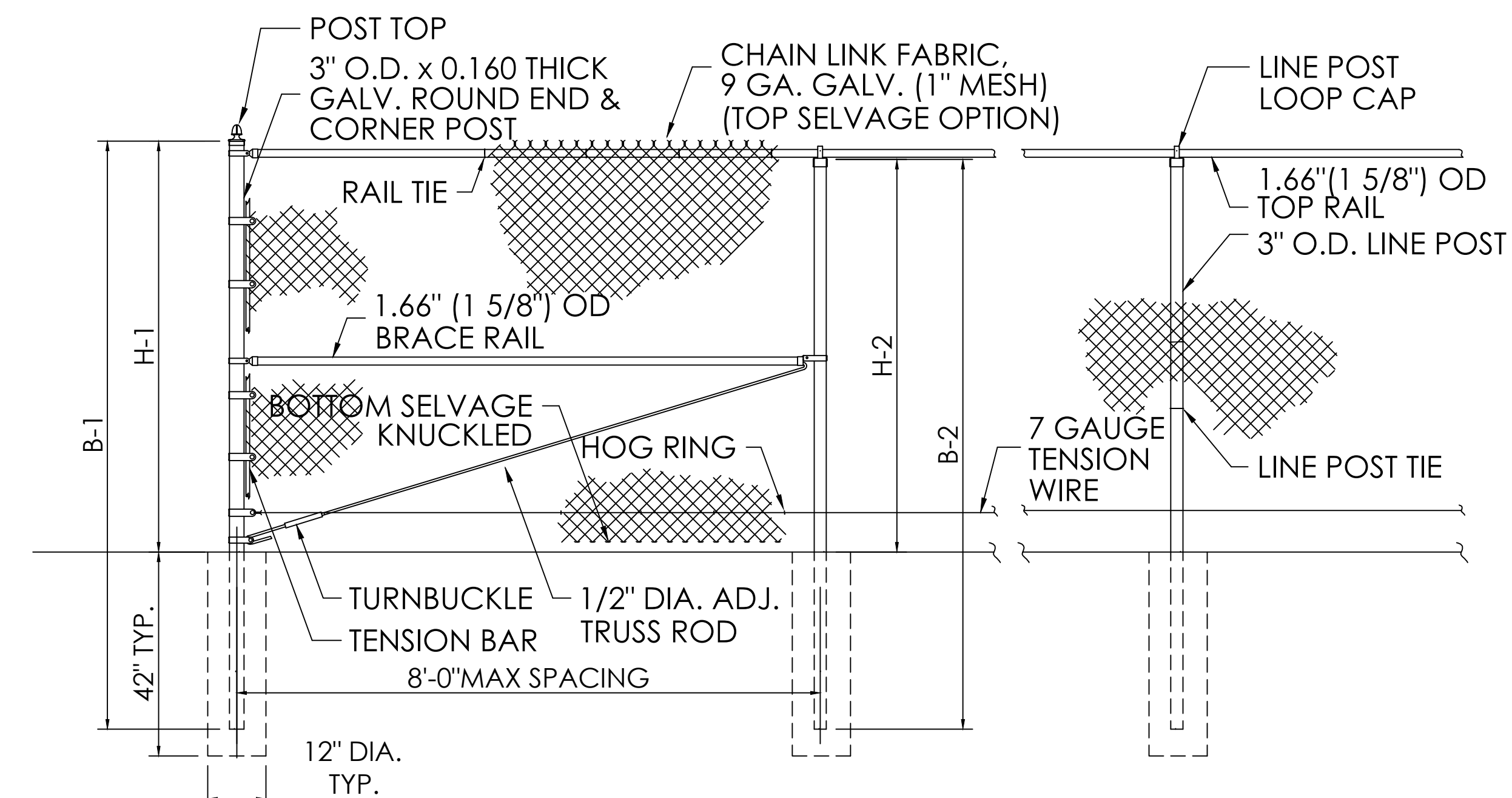
8'-0" MAX SPACING

H-2

B-2

12" DIA. TYP.

FENCE SECTION ELEVATION
WITH TOP RAIL & WITHOUT BARBED WIRE



END & CORNER POST TOP OPTIONS		TOP & BOTTOM FABRIC OPTIONS	
STANDARD	DOME	TWIST	KNUCKLE
			

NOTES:

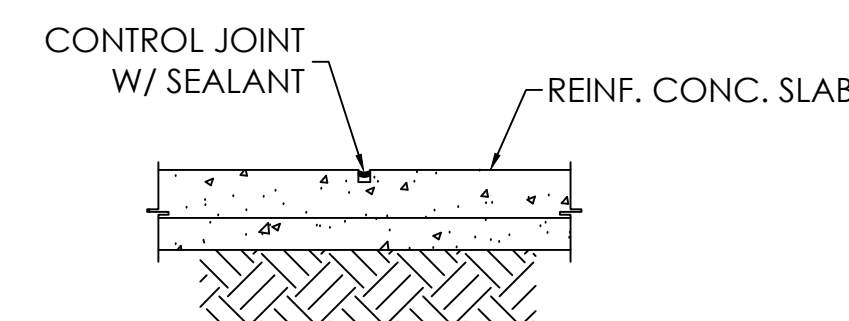
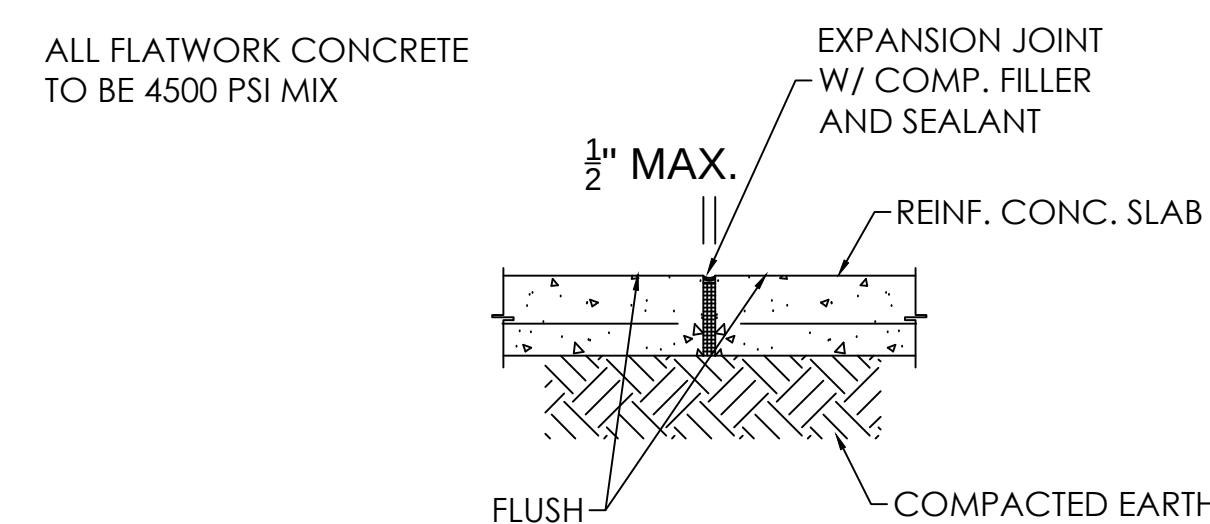
1. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
2. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 42".

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
6'-0"	9'-0"	6'-0 5/8"	8'-10"	5'-8 7/8"

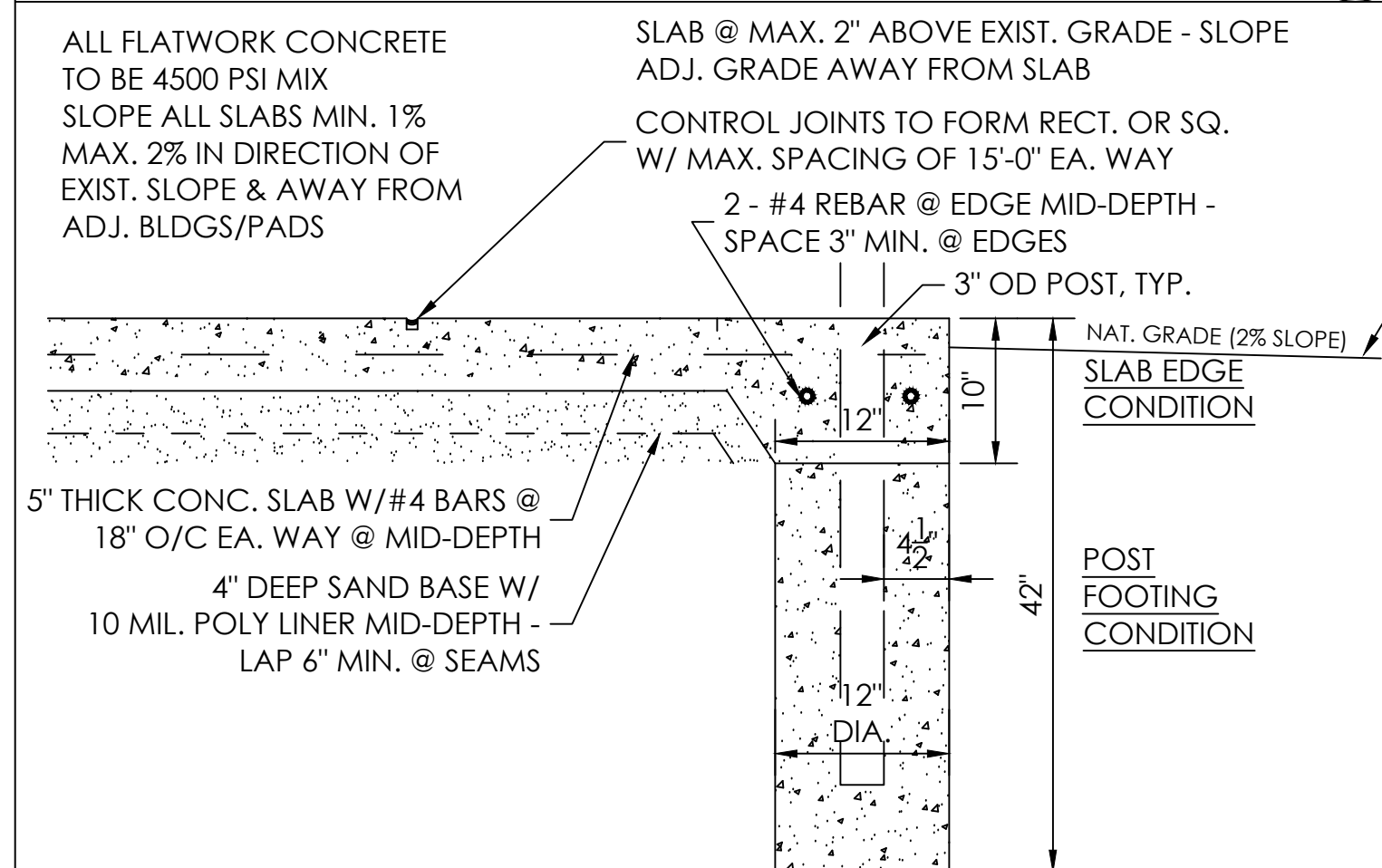
TYPICAL CHAIN LINK FENCE DETAILS

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

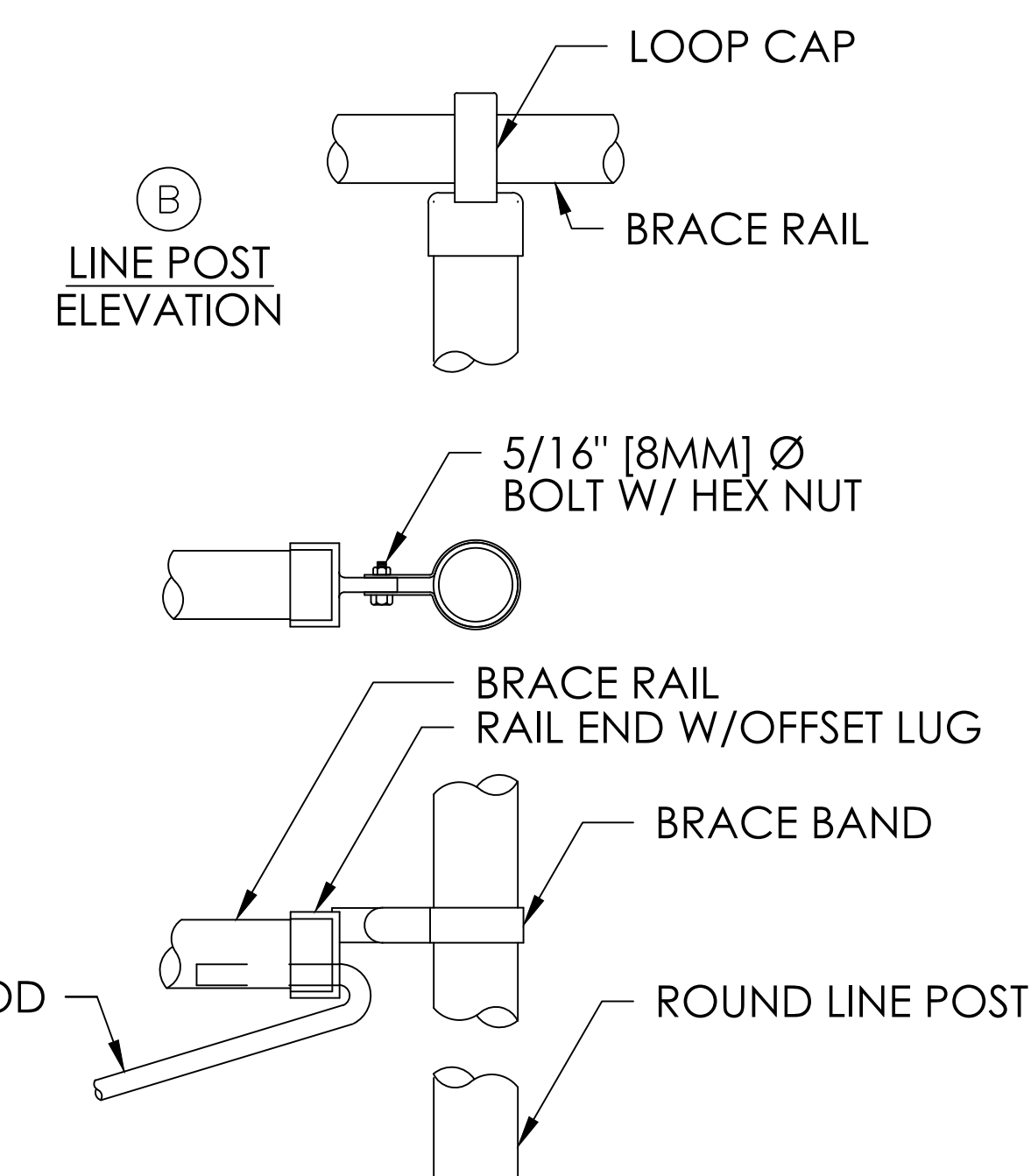
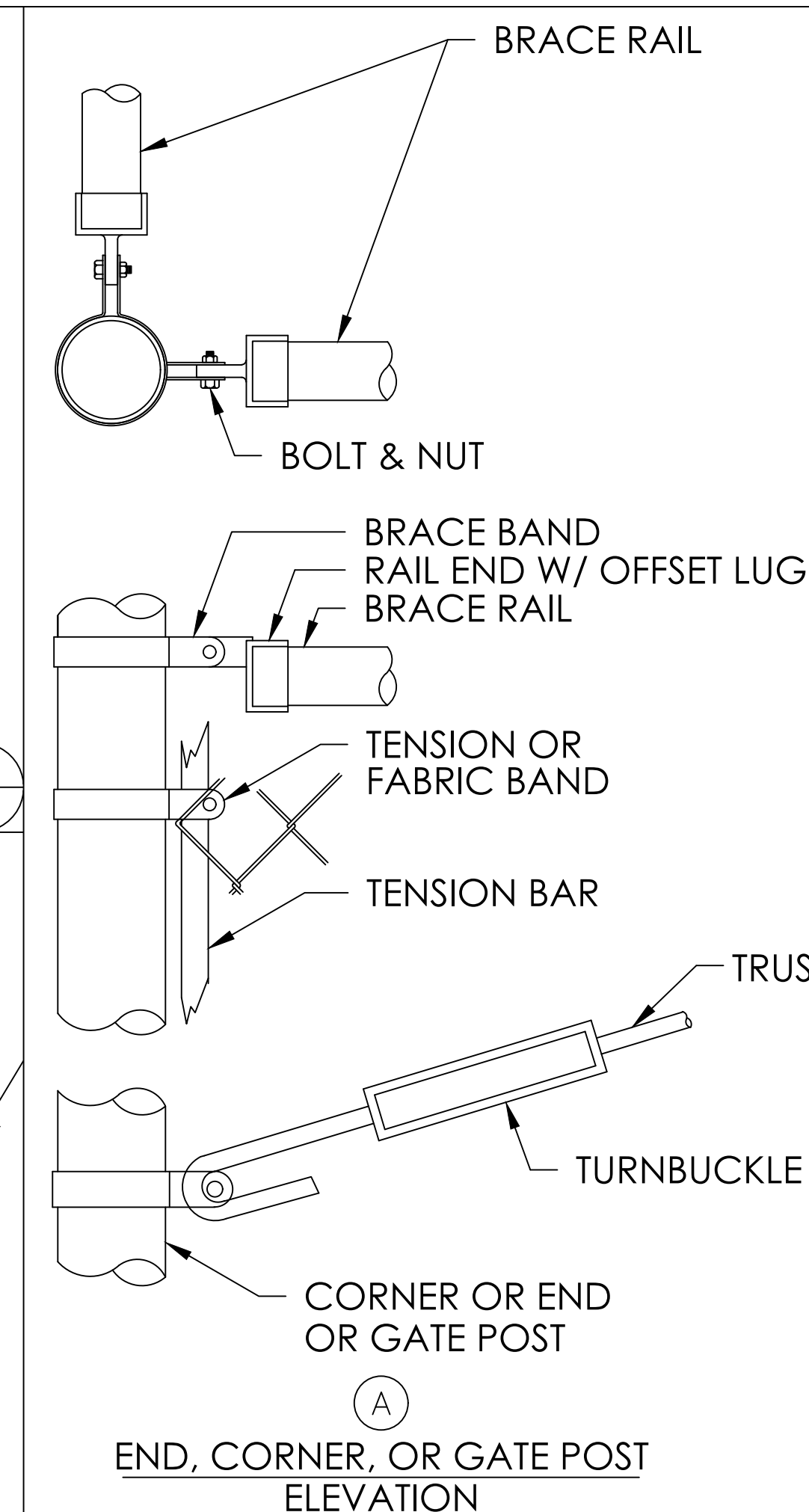
1
A-3



EXPANSION JOINT / CONTROL JOINT (TYP.) 3
SCALE: 1"=1'-0" A-3

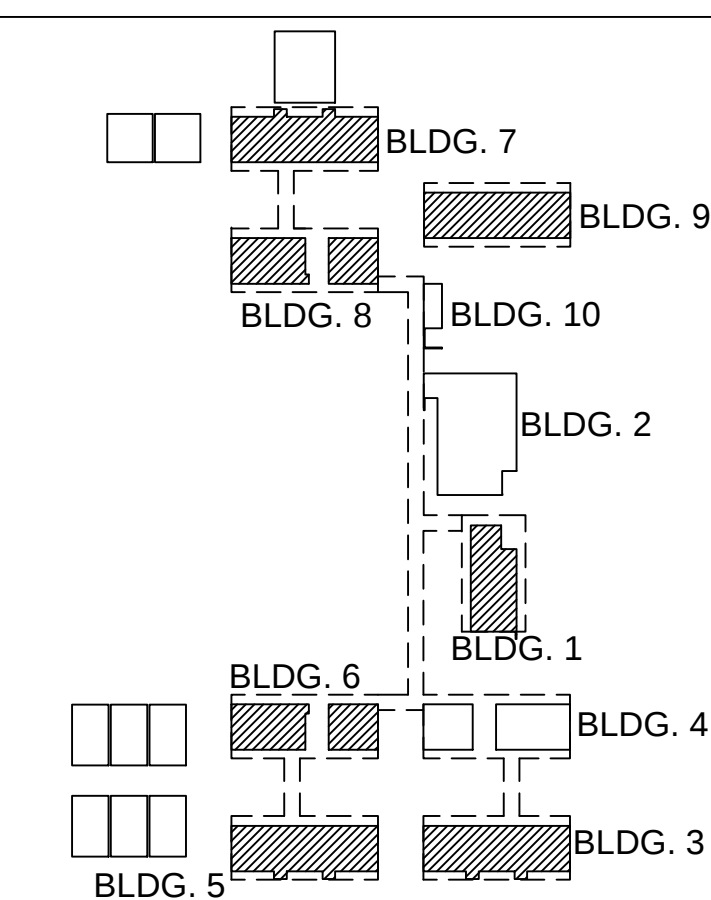


CONCRETE FLATWORK
SCALE: 1"=1'-0"



- NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
 2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
 3. ALL MATERIAL TO CONFORM TO FEDERAL SPEC RR-F-191 G (1-25-74).
 4. ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153. 5.

ROUND TERMINAL END POSTS 2
SCALE: 1/2"=1'-0" A-3



KEY PLAN

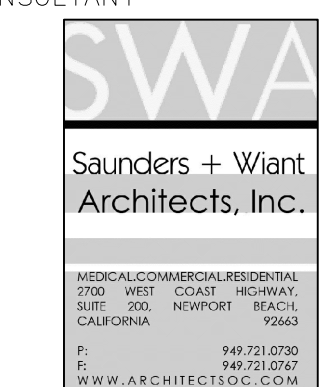
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DATE_____

SHEET DESCRIPTION:

FENCE ENCLOSURE DETAILS

SHEET NO:

A-3