


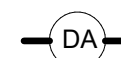
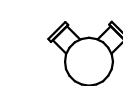


DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

The POT identified in these construction documents is compliant with current applicable California Building Code accessibility provisions for path of travel requirements for alterations and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portion of the POT that were determined to be noncompliant 1) have been identified and 2) the corrective work necessary to bring them in to 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 portion 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 part of this project by means of a "Construction Change Document" (form DSA 140).

GRAPHIC KEY

-  EXISTING TOILET ROOMS. REFER TO NOTES FOR ADDITIONAL INFORMATION.
-  EXISTING CONSTRUCTION TO REMAIN
-  PROPERTY LINE
-  D.A. PATH OF TRAVEL
-  EXISTING FIRE HYDRANT



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

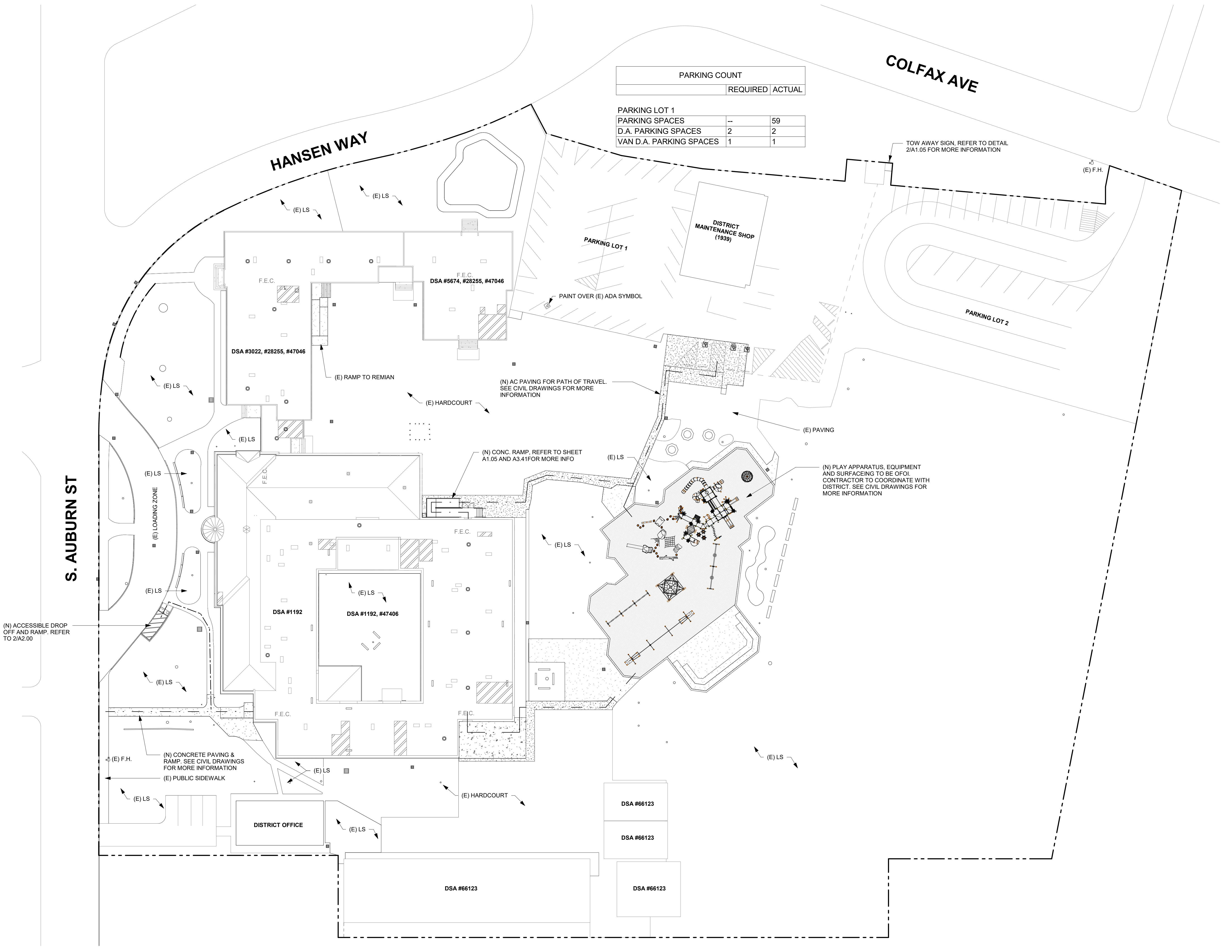
No.	Description	Date
1		

MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019
 DSA BC 05/03/2019

SHEET
CAMPUS P.O.T. AND DSA APPLICATION #S

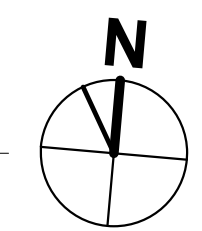
DATE 04/08/2019
 JOB # 2018044
 SHEET #

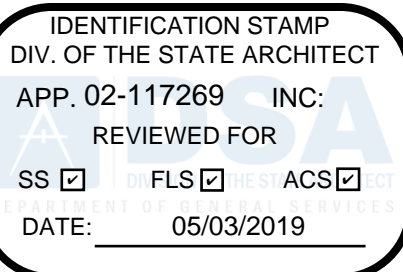
A0.02



PARKING COUNT		
	REQUIRED	ACTUAL
PARKING LOT 1		
PARKING SPACES	--	59
D.A. PARKING SPACES	2	2
VAN D.A. PARKING SPACES	1	1

2 CAMPUS BUILDING CODE ANALYSIS
 SCALE: 1" = 30'-0"





aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

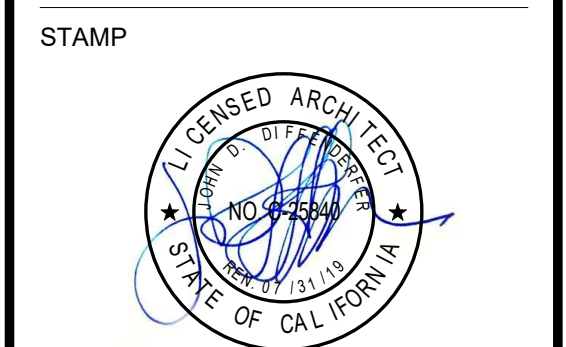
GENERAL SHEET NOTES

- A CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- C CONTRACTOR TO COORDINATE WITH LOCAL FIRE MARSHALL, CITY, AND DISTRICT FOR THE INSTALLATION OF FIRE HYDRANTS AND FIRE SPRINKLER SYSTEMS. NEW FIRE HYDRANTS ARE TO BE INSTALLED AND OPERATIONAL PRIOR TO STORING COMBUSTIBLE MATERIAL ON SITE PER GFC SECTION 1412. AN APPROVED TEMPORARY WATER SUPPLY FOR FIRE PROTECTION SHALL BE PROVIDED IF PERMANENT SOURCE IS NOT AVAILABLE.
- D DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- E PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- F REFER TO CIVIL, PLUMBING, ELECTRICAL AND LANDSCAPE DRAWINGS FOR EXTENT OF CIVIL, PLUMBING, ELECTRICAL AND LANDSCAPE WORK.
- G 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 THE PROJECTS 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 THRESHOLDS OR 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.

PROJECT

GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No.	Description	Date
△		

MILESTONES

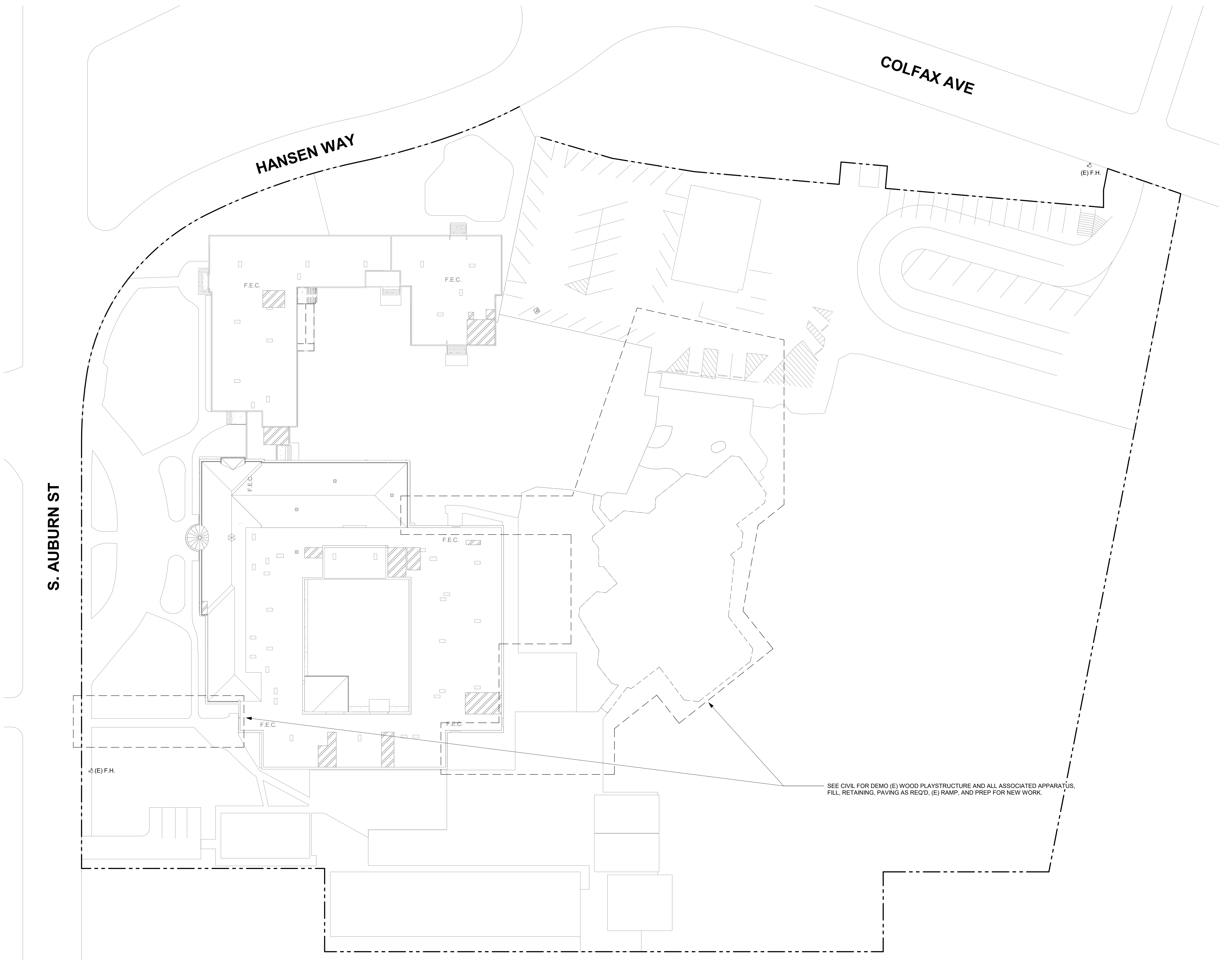
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DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET

DEMOLITION SITE PLAN

DATE 04/08/2019
JOB # 2018044
SHEET #

A1.01

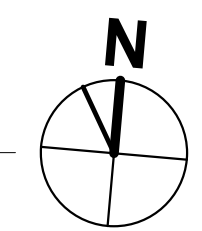


SEE CIVIL FOR DEMO (E) WOOD PLAYSTRUCTURE AND ALL ASSOCIATED APPARATUS, FILL, RETAINING, PAVING AS REQ'D, (E) RAMP, AND PREP FOR NEW WORK.

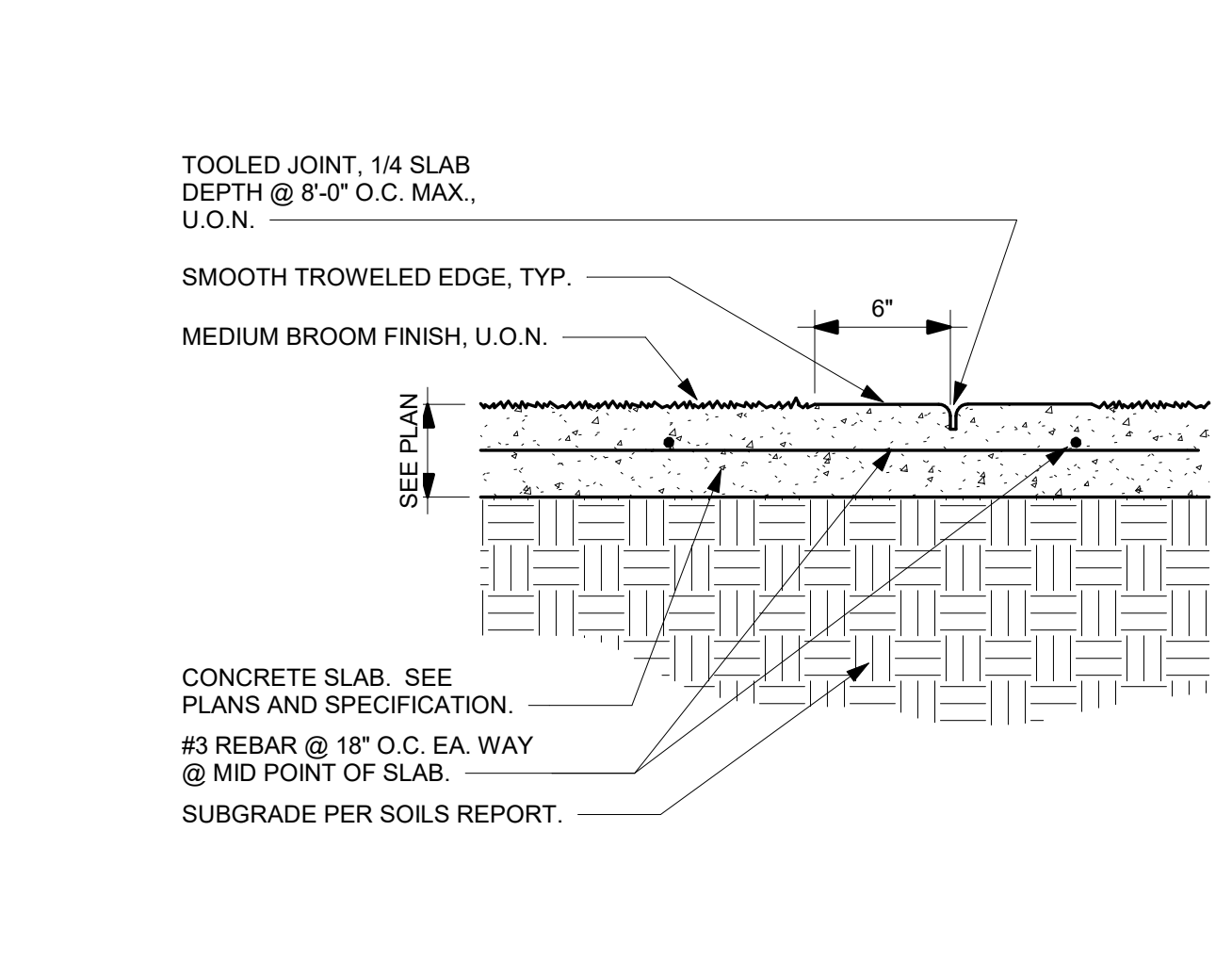
GRAPHIC KEY

- EXISTING TO BE DEMOLISHED
- EXISTING TOILET ROOMS. REFER TO NOTES FOR ADDITIONAL INFORMATION.
- EXISTING CONSTRUCTION TO REMAIN
- PROPERTY LINE
- EXISTING FIRE HYDRANT (E) F.H.

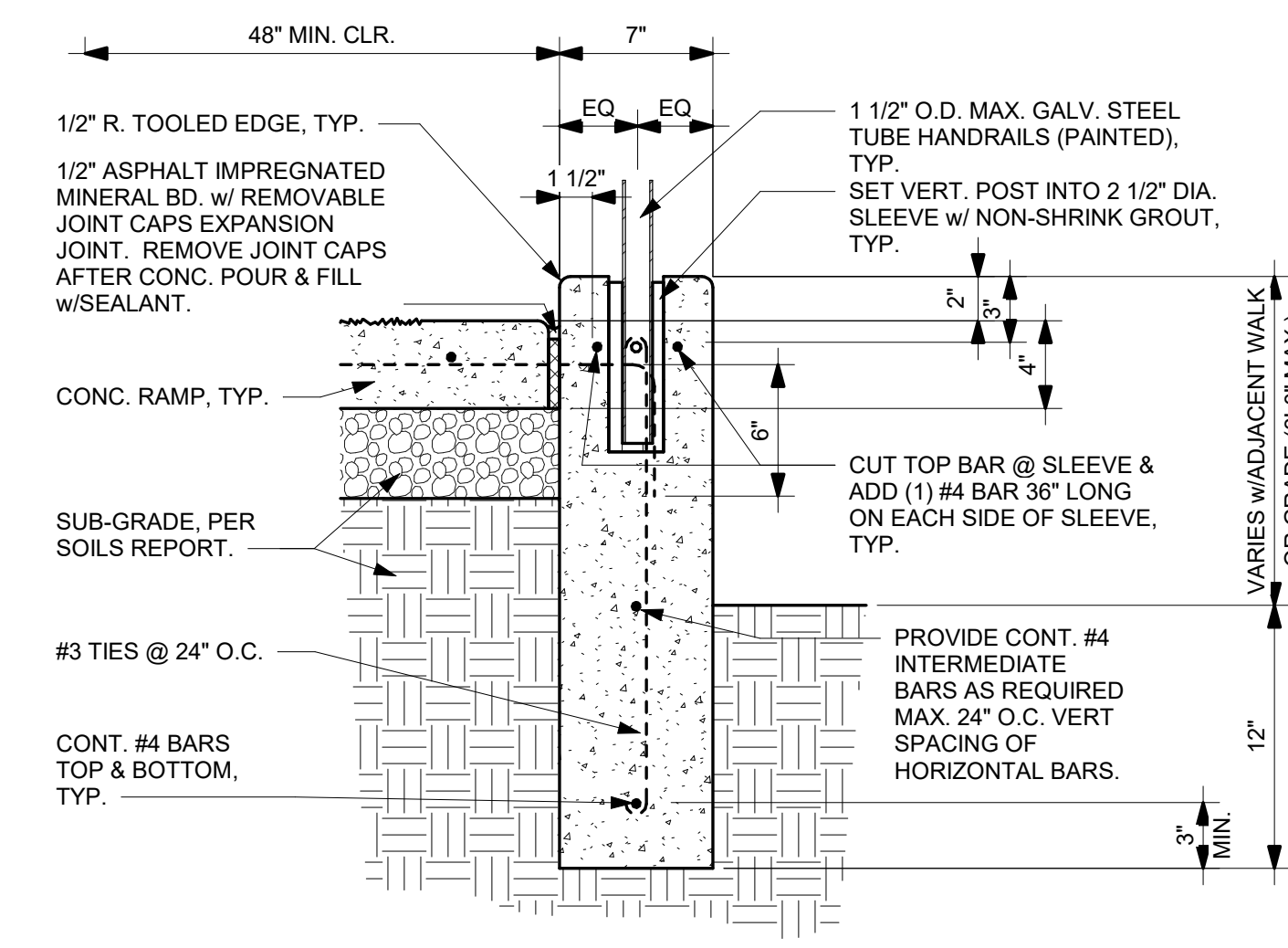
2 DEMOLITION SITE PLAN
SCALE: 1" = 30'-0"



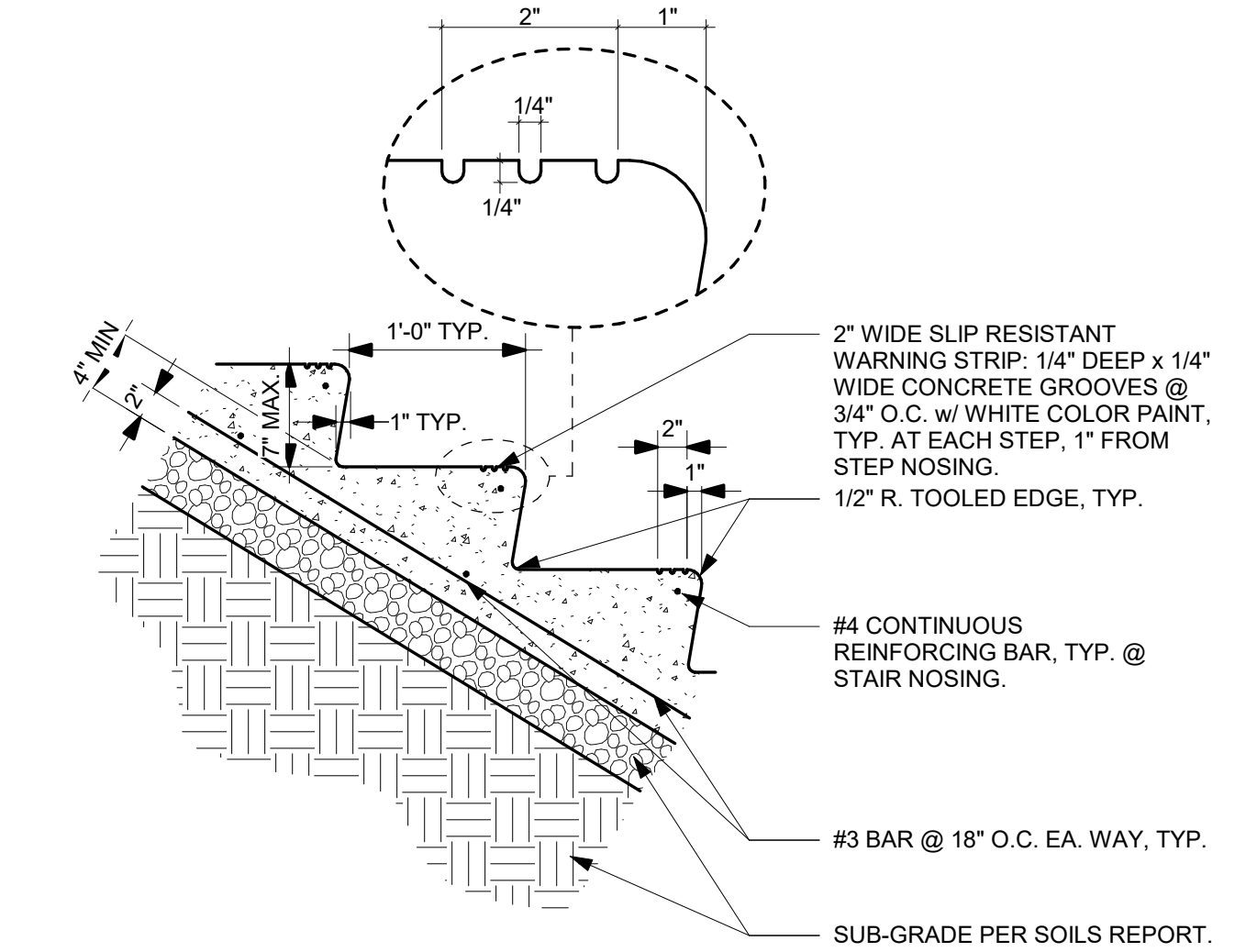
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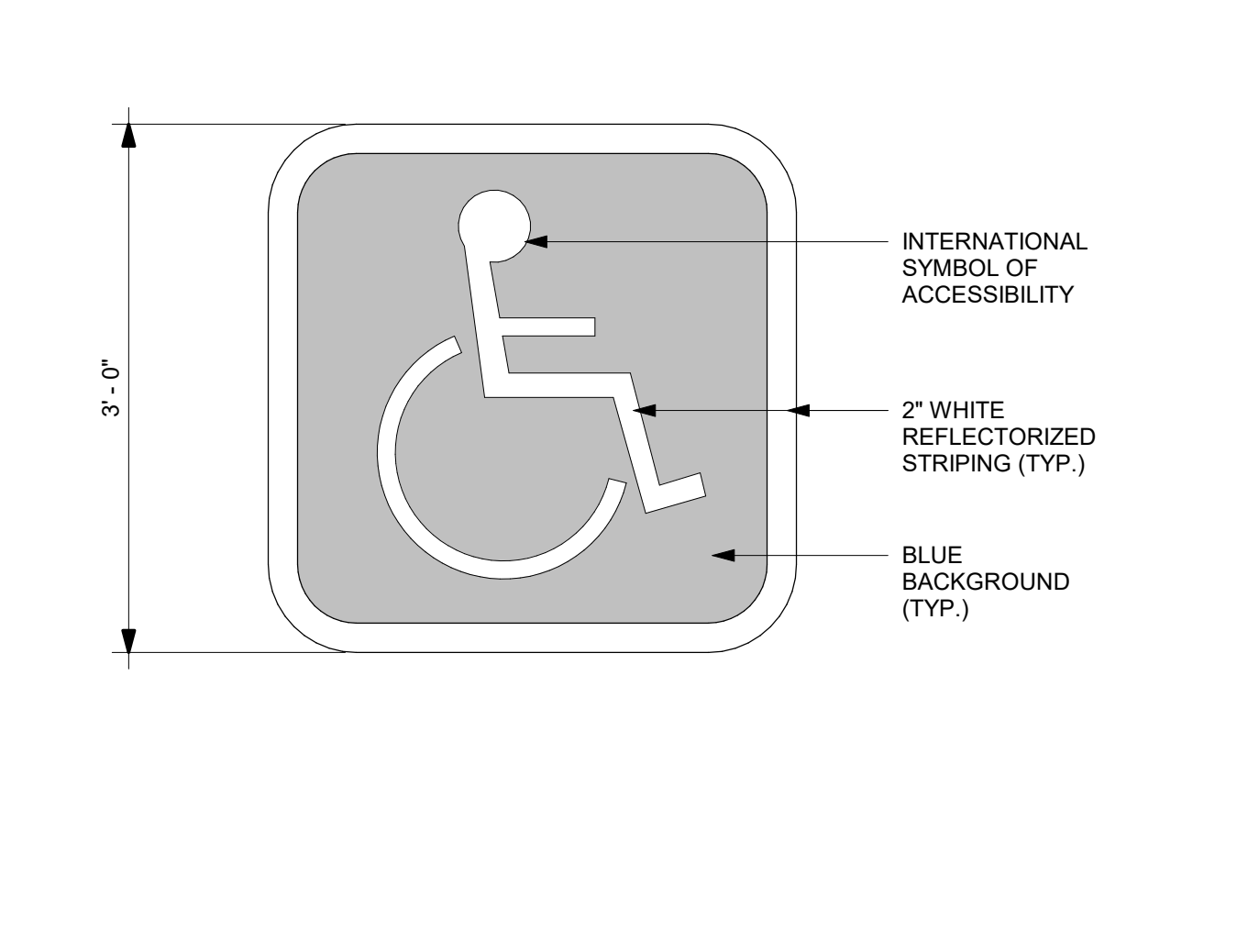
17 TOOLED JOINT (TJ)
 SCALE: 1 1/2" = 1'-0"



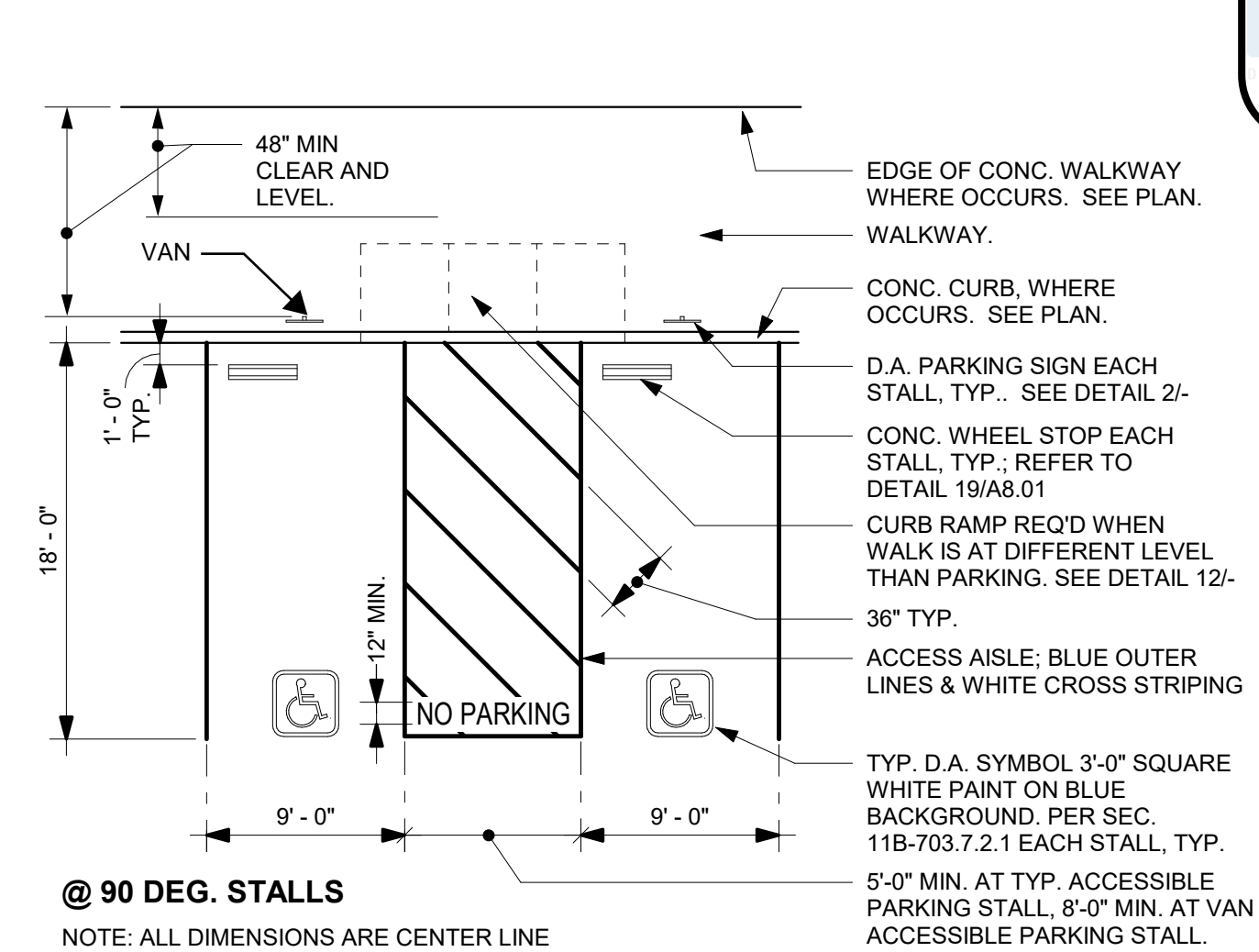
13 EDGE OF CONCRETE RAMP/STEPS
 SCALE: 1 1/2" = 1'-0"



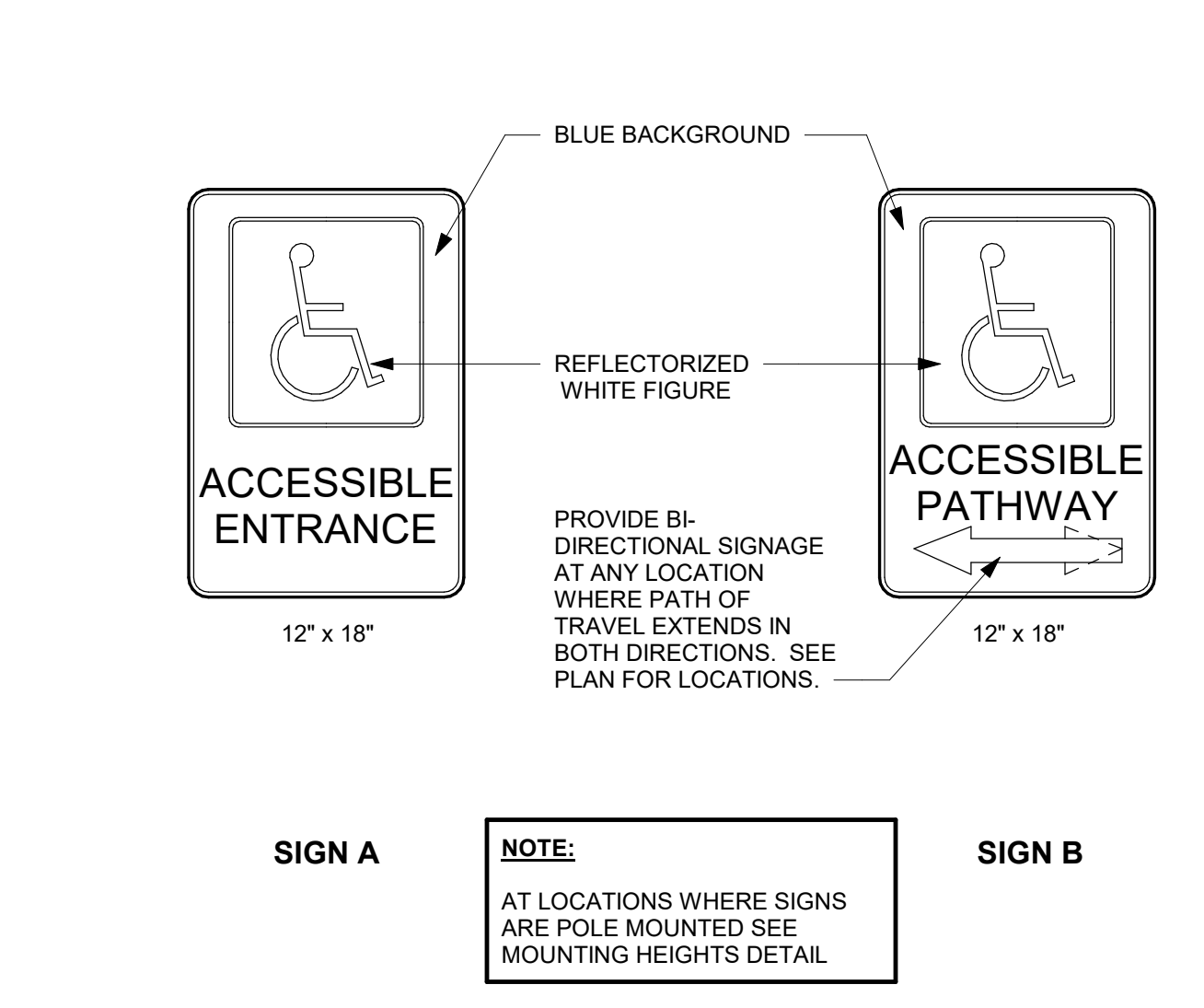
9 EXTERIOR STEPS, TYP. @ ALL TREADS
 SCALE: 1" = 1'-0"



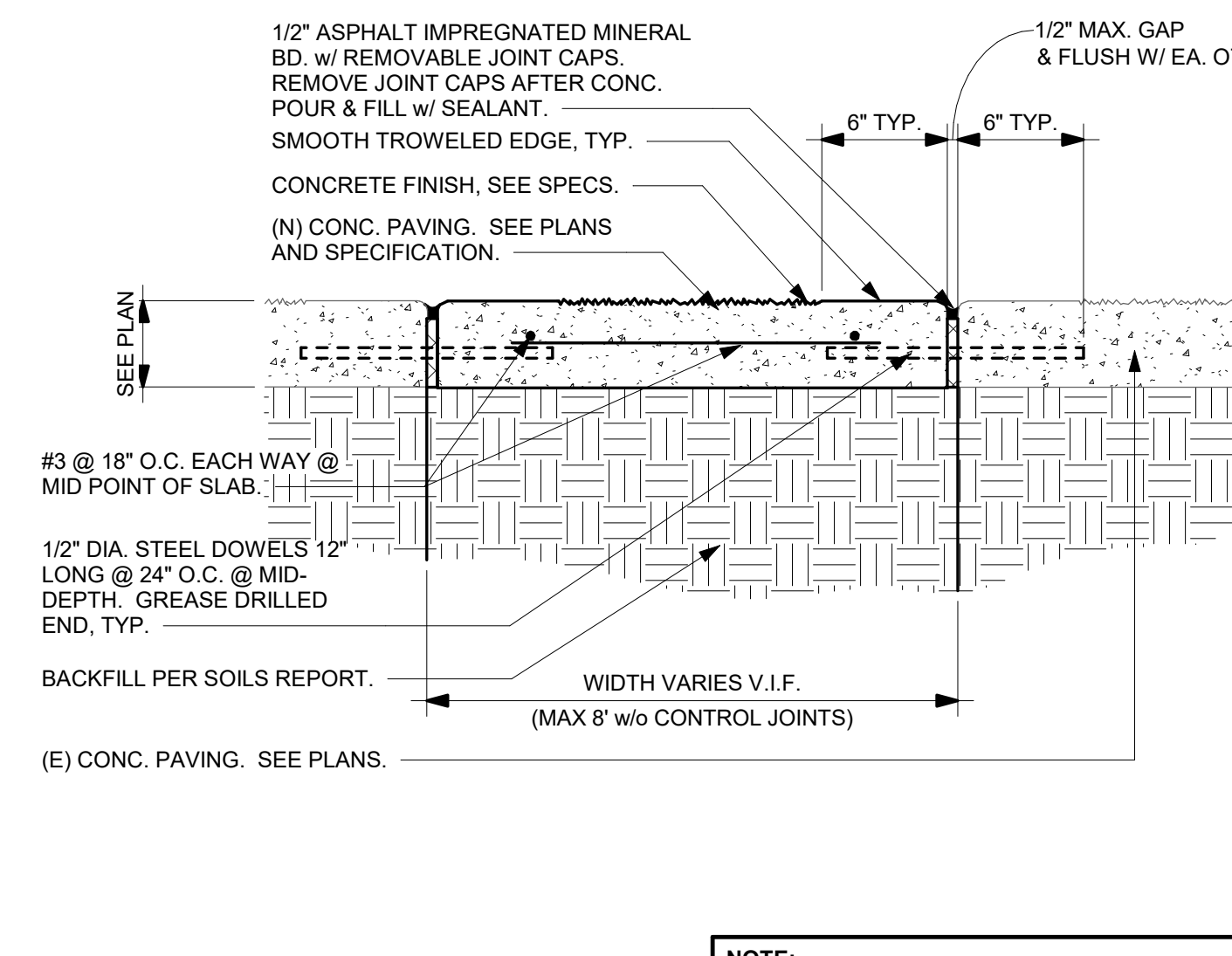
5 ACCESSIBLE SYMBOLO
 SCALE: 1" = 1'-0"



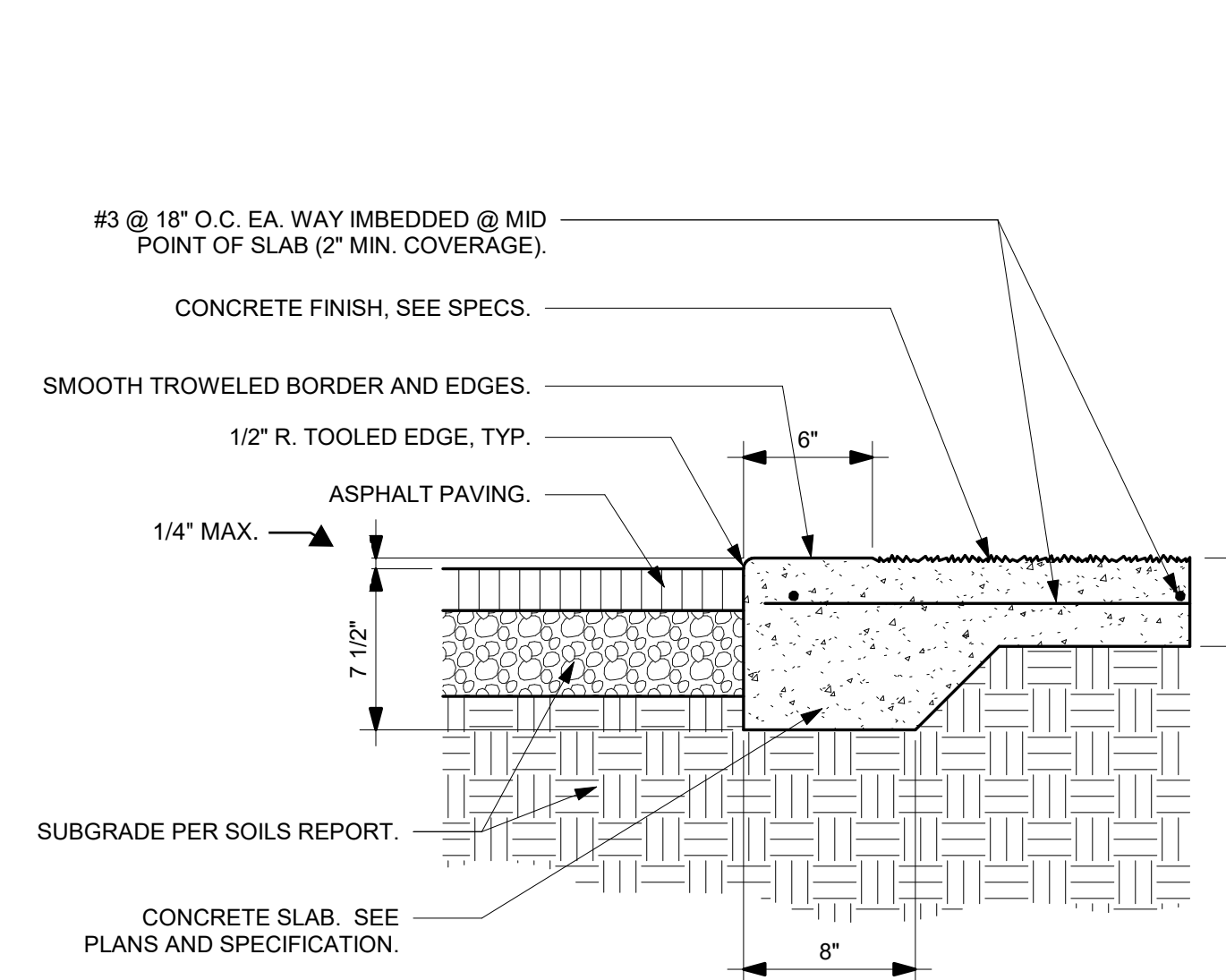
1 D.A. PARKING STALL DETAIL
 SCALE: 1/8" = 1'-0"



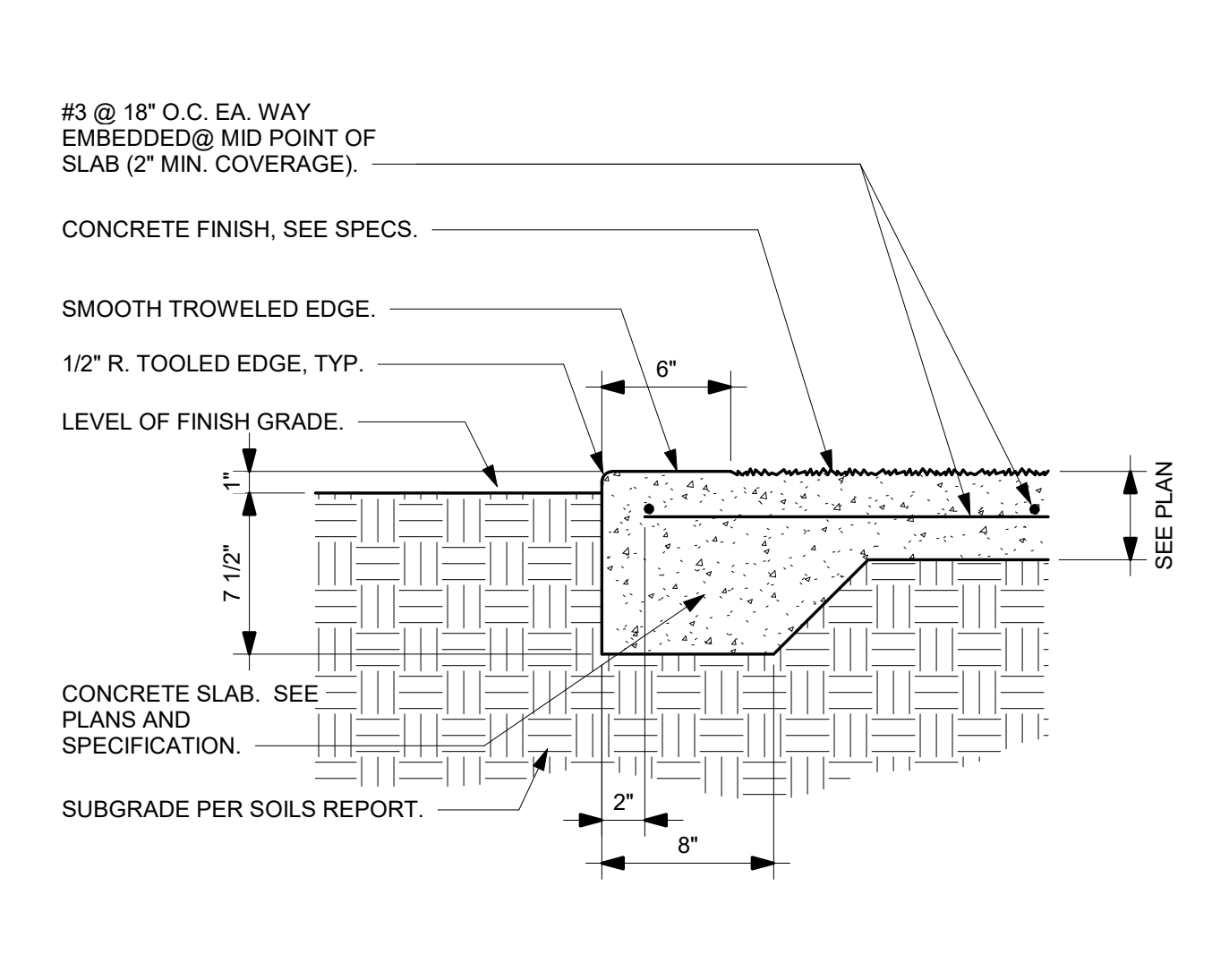
18 D.A. DIRECTIONAL SIGNS
 SCALE: 1" = 1'-0"



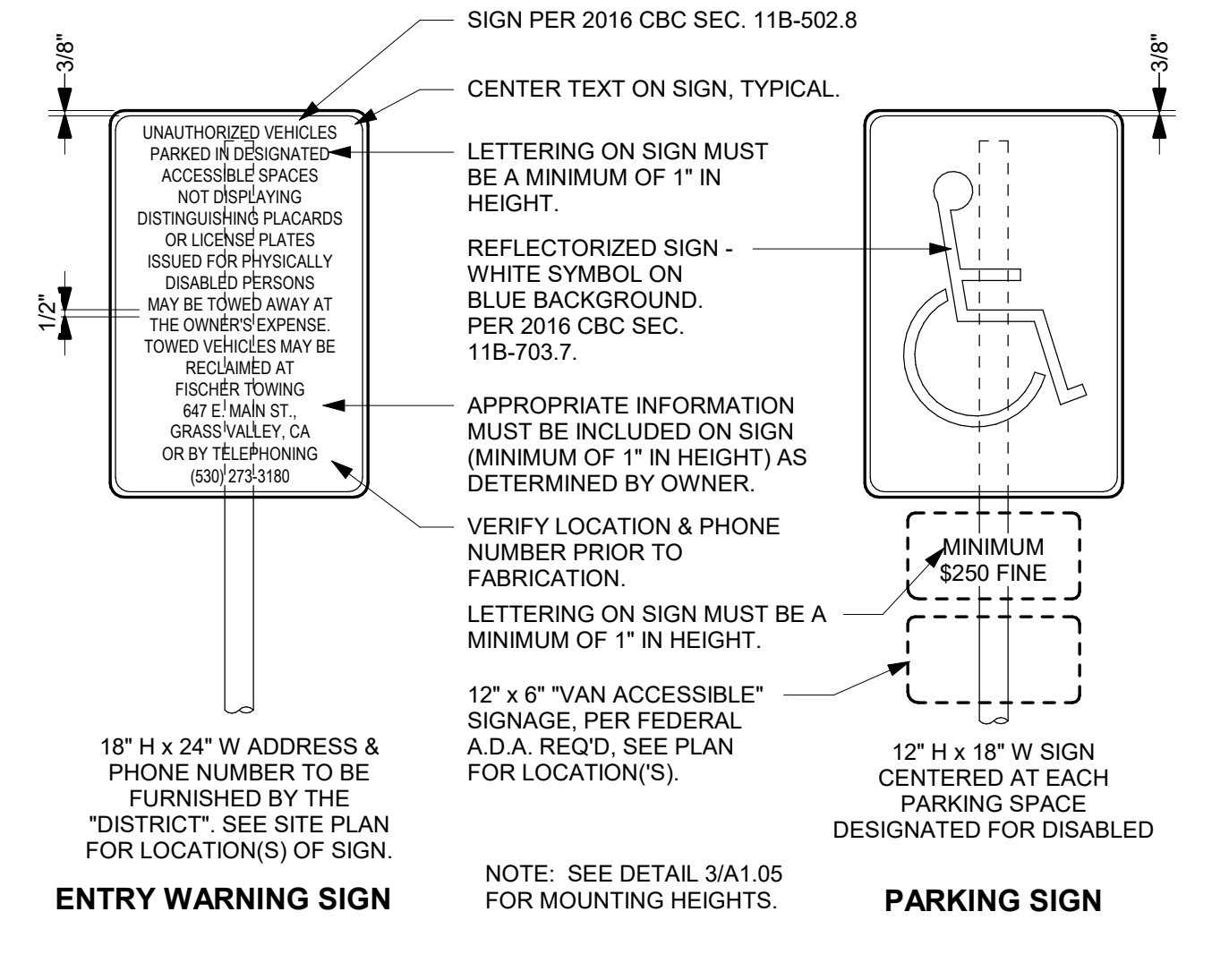
14 CONCRETE PATCH
 SCALE: 1 1/2" = 1'-0"



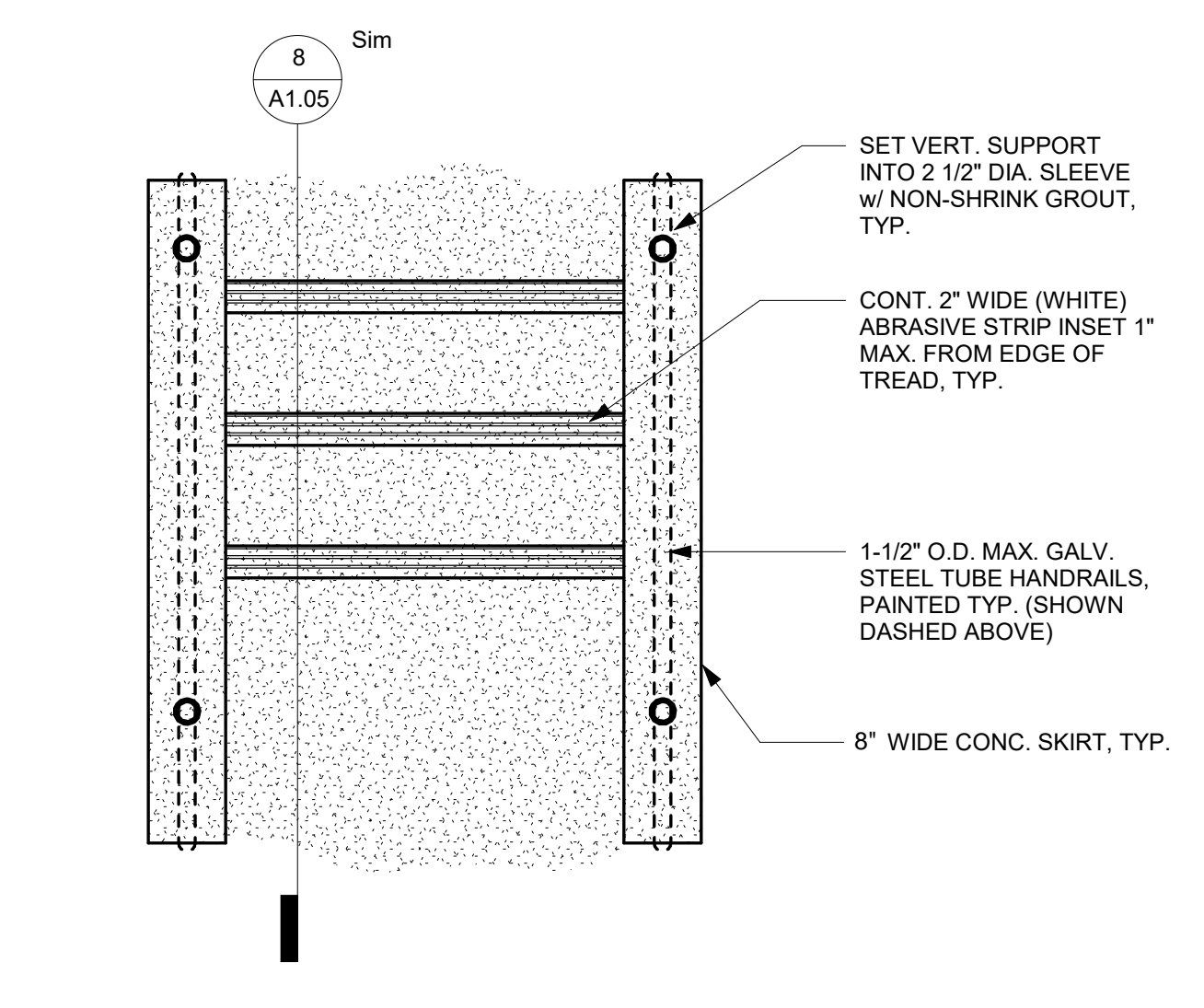
10 ASPHALT/CONCRETE JOINT
 SCALE: 1 1/2" = 1'-0"



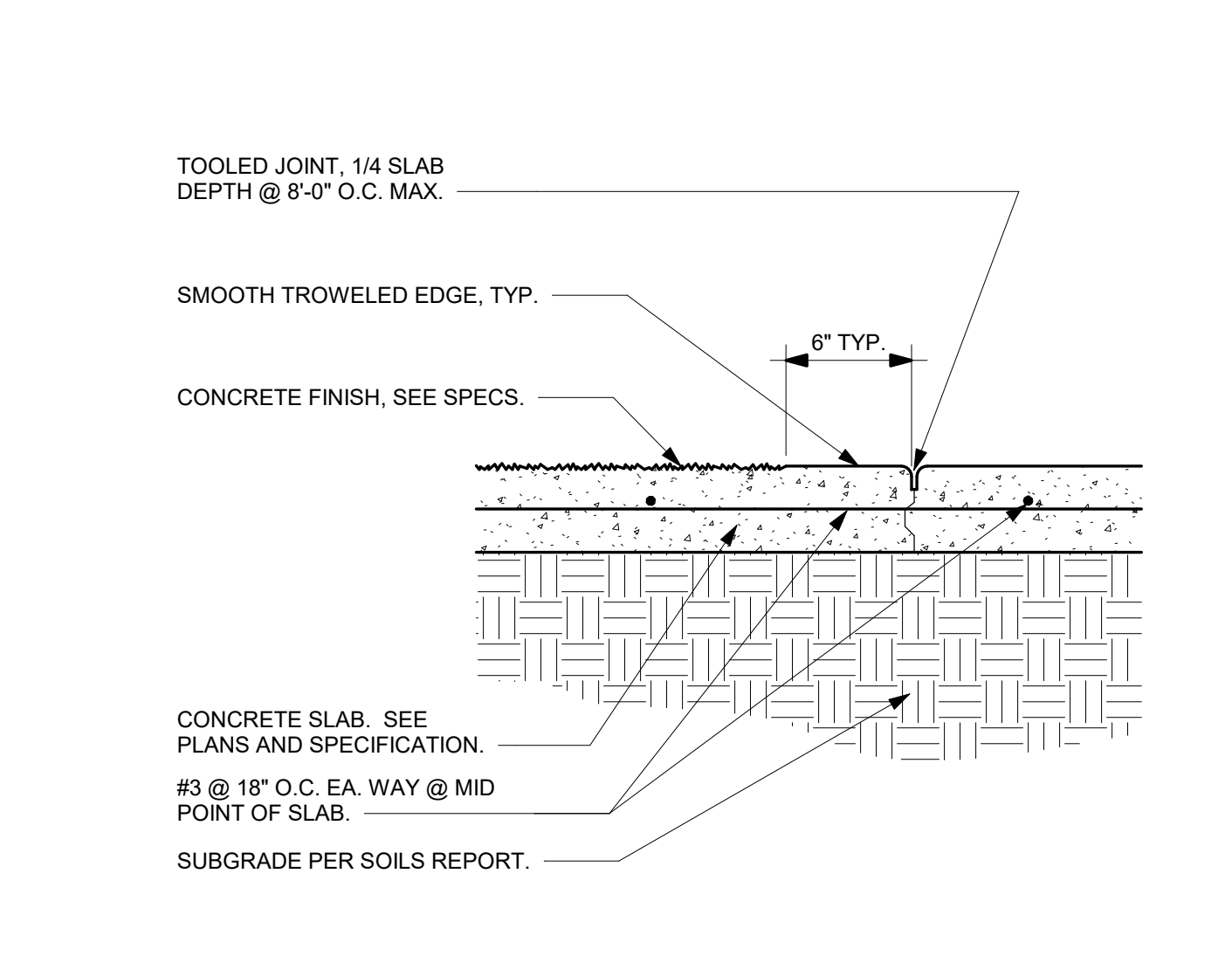
6 EDGE OF CONC. PAVING
 SCALE: 1 1/2" = 1'-0"



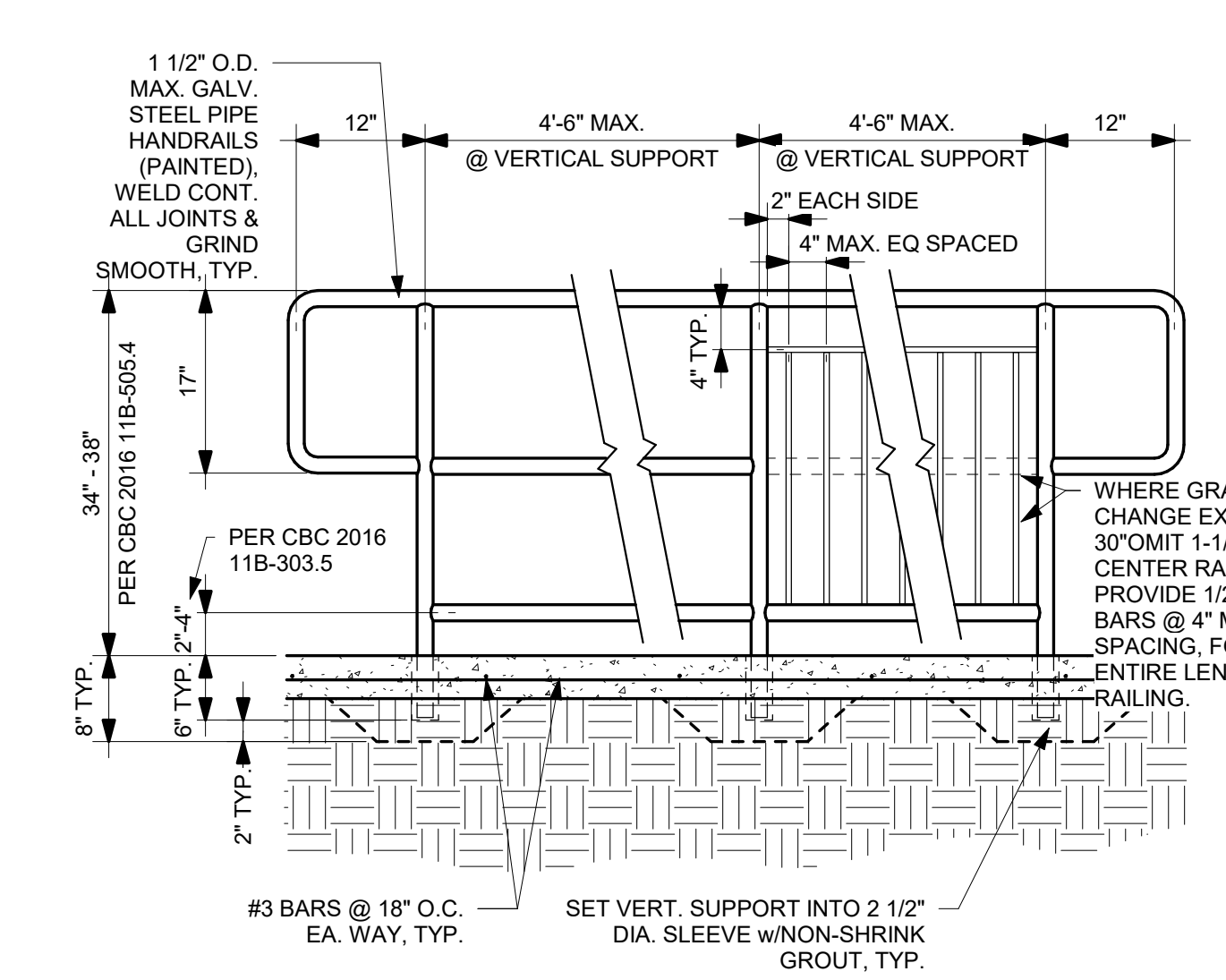
2 ACCESSIBLE PARKING SIGNS
 SCALE: 1" = 1'-0"



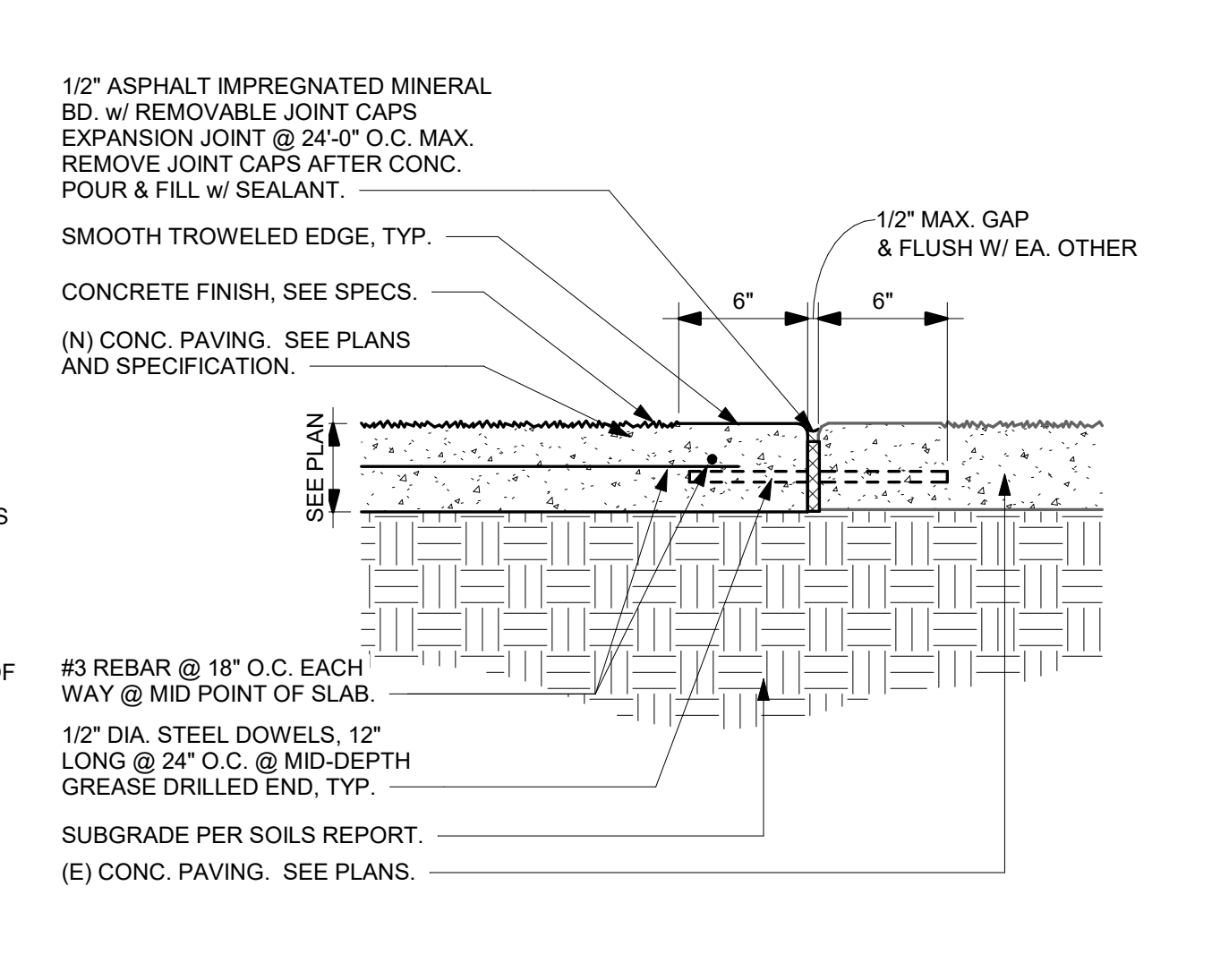
19 PLAN - HANDRAIL @ CONC. STEPS
 SCALE: 3/4" = 1'-0"



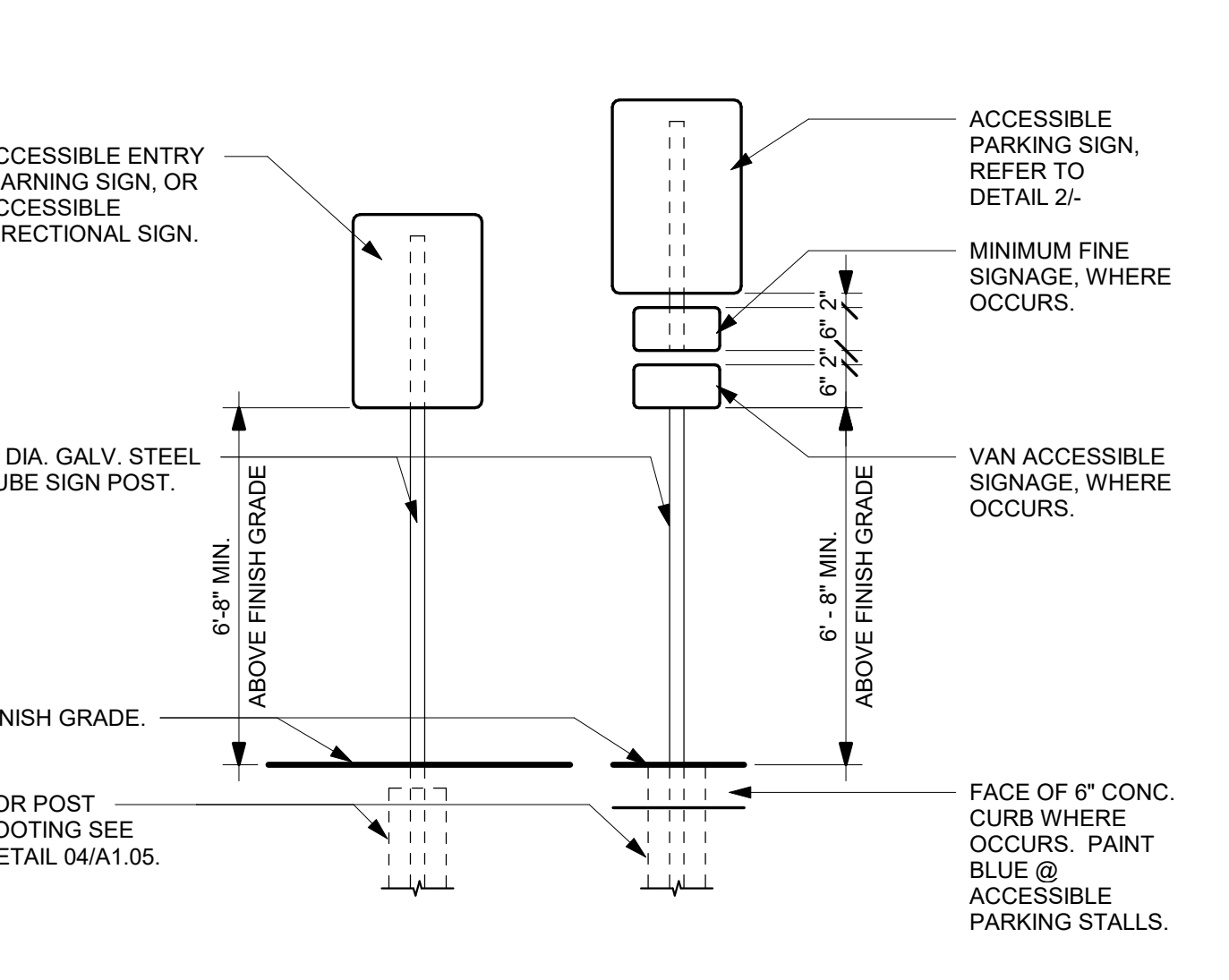
15 CONSTRUCTION JOINT (CJ)
 SCALE: 1 1/2" = 1'-0"



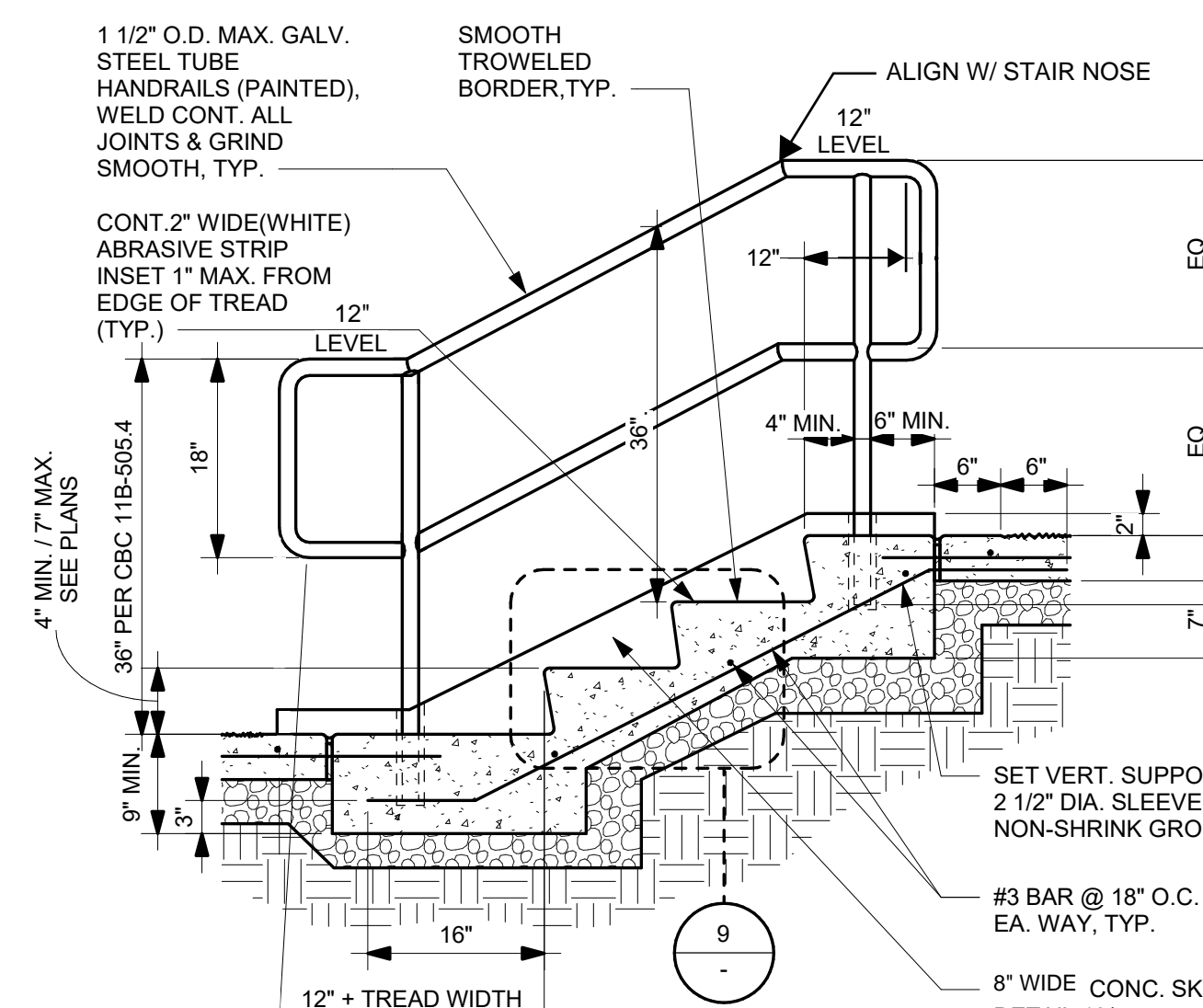
11 TYPICAL RAILING
 SCALE: 3/4" = 1'-0"



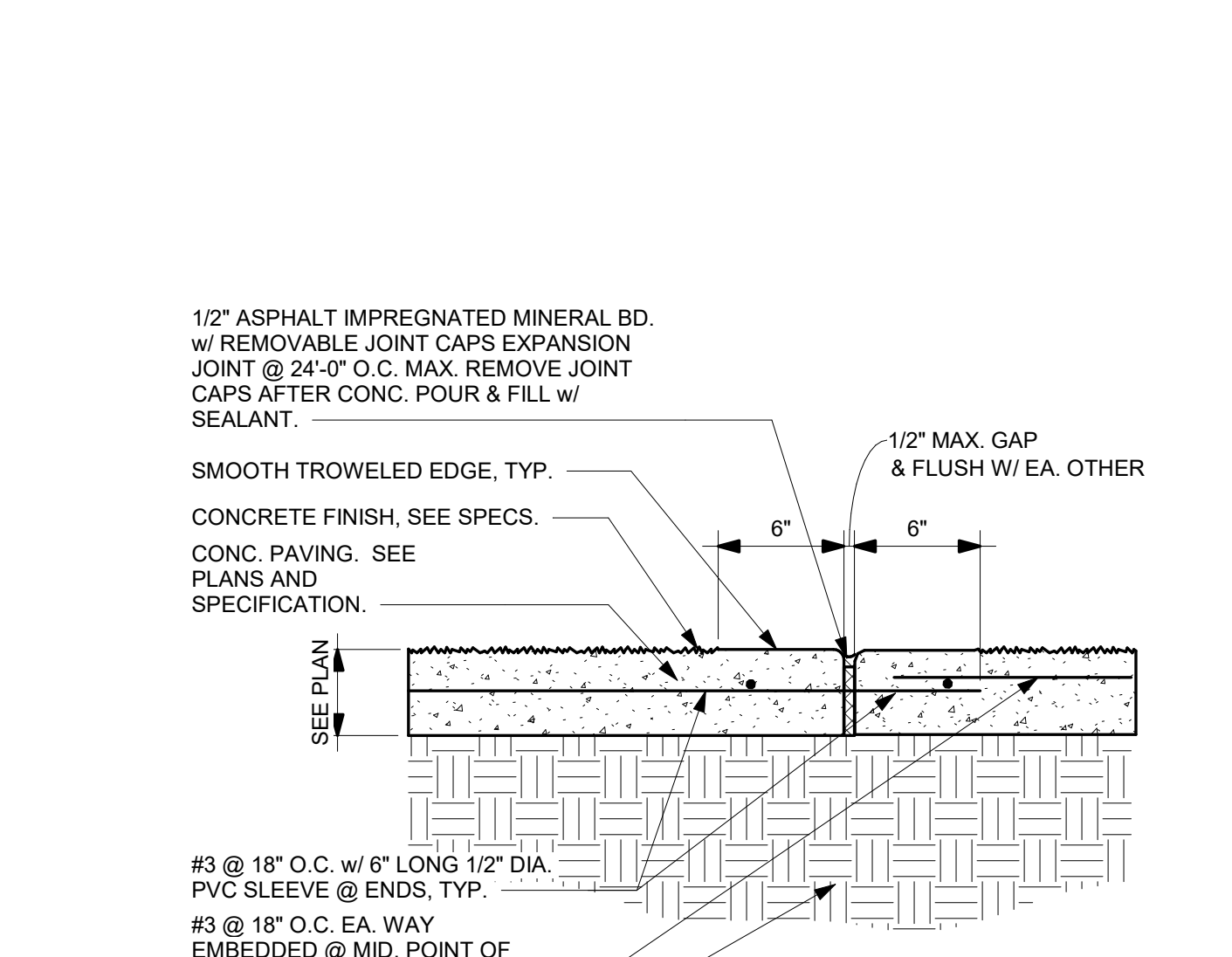
7 EDGE OF (N) CONC. @ (E) CONC.
 SCALE: 1 1/2" = 1'-0"



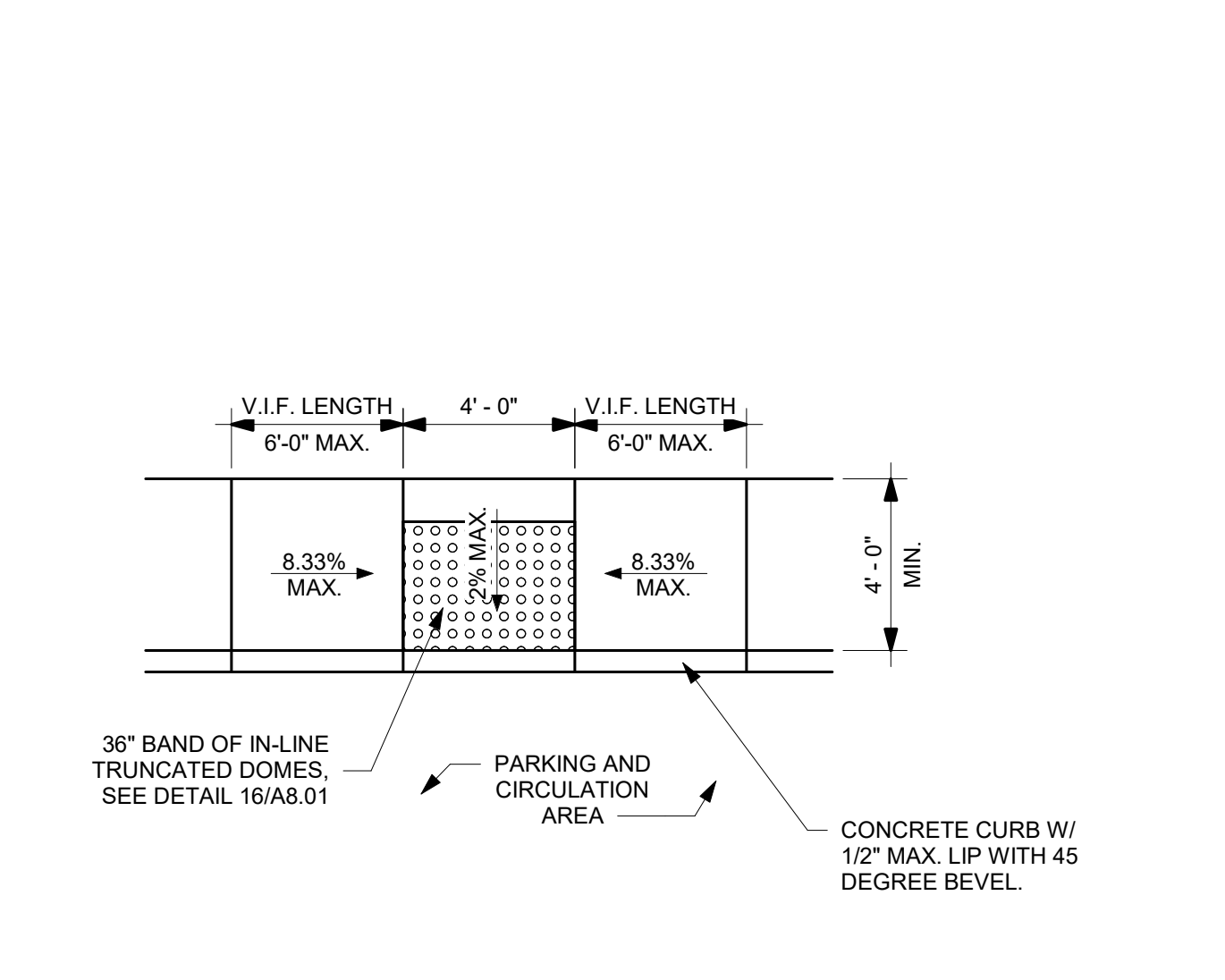
3 SITE SIGN MOUNTING DETAIL
 SCALE: 1/2" = 1'-0"



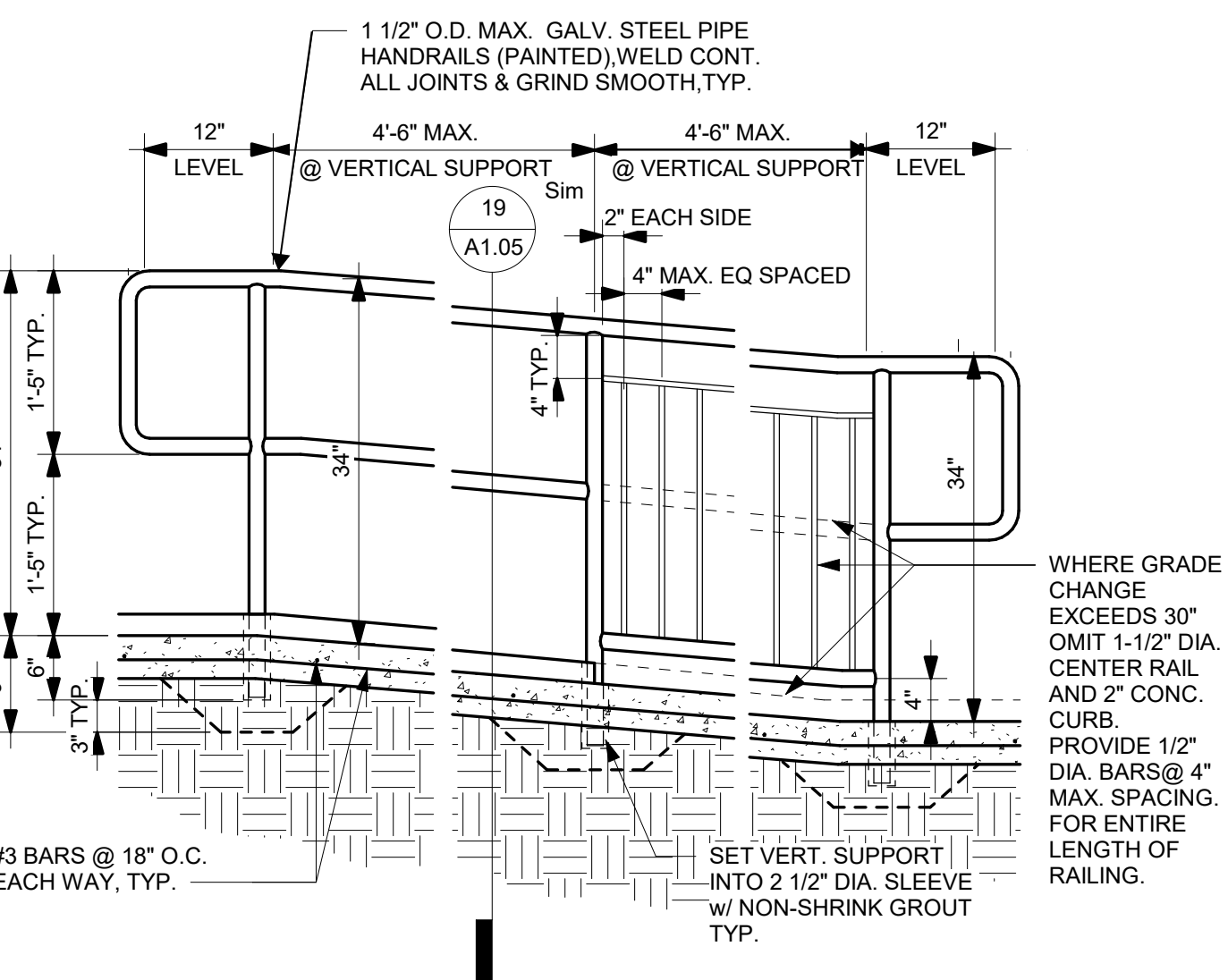
20 PLAN - HANDRAIL @ CONC. STEPS
 SCALE: 3/4" = 1'-0"



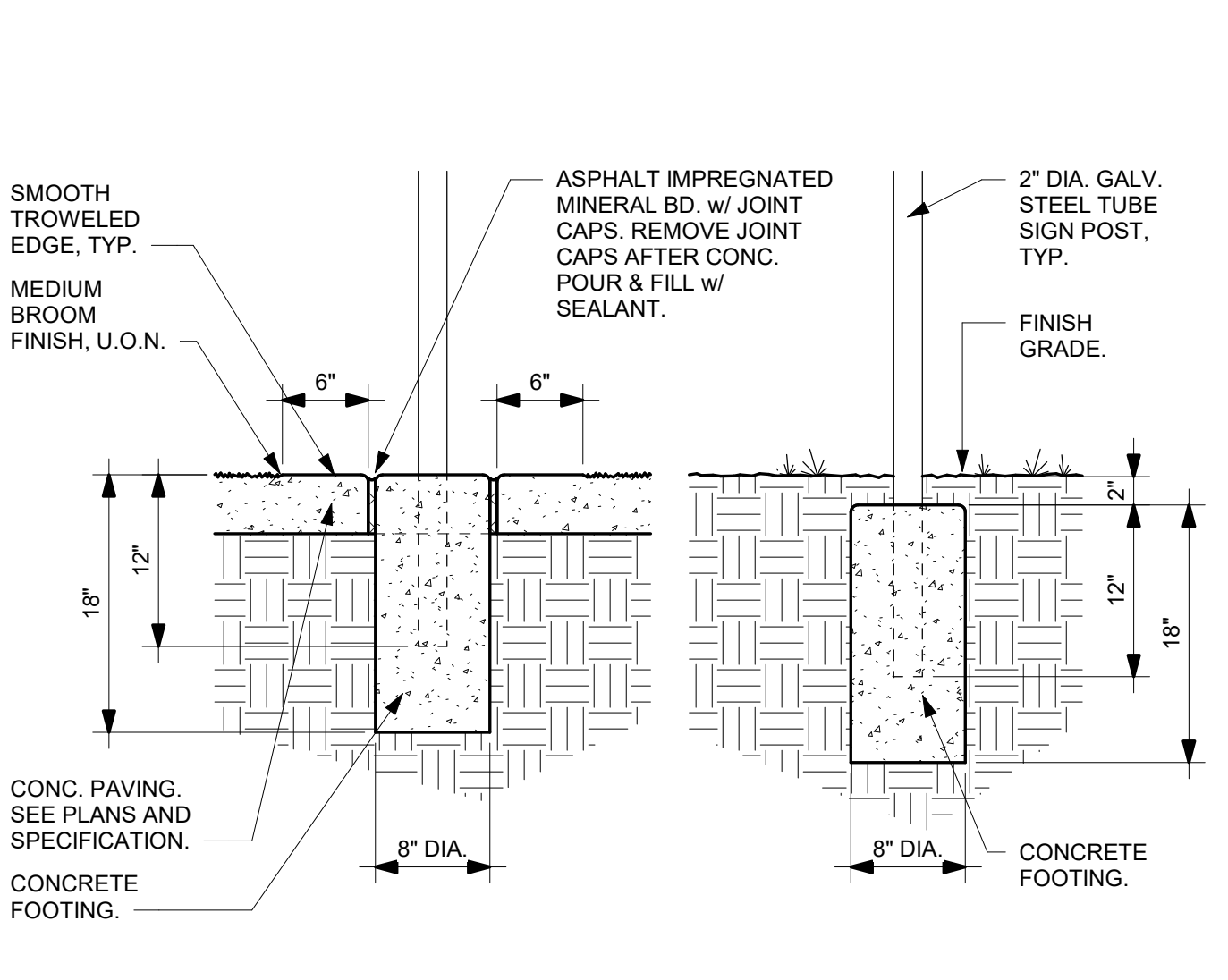
16 EXPANSION JOINT (EJ)
 SCALE: 1 1/2" = 1'-0"



12 CURB RAMP - ALTERNATE
 SCALE: 1/4" = 1'-0"



8 HANDRAIL @ CONCRETE RAMP
 SCALE: 3/4" = 1'-0"



4 SITE SIGN FOOTING DETAIL
 SCALE: 1" = 1'-0"

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GENERAL SHEET NOTES

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GRAPHIC KEY

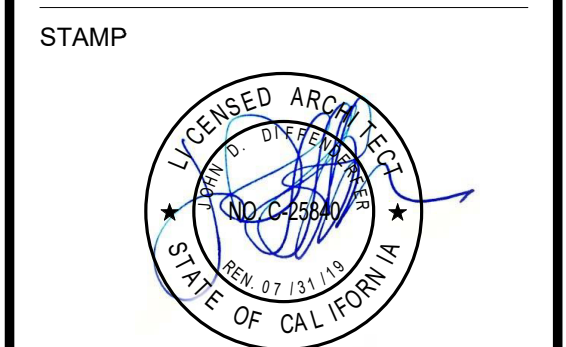
- EXISTING TOILET ROOMS. REFER TO NOTES FOR ADDITIONAL INFORMATION.
- EXISTING CONSTRUCTION TO REMAIN
- PROPERTY LINE
- D.A. PATH OF TRAVEL
- EXISTING FIRE HYDRANT

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 02-117269 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 05/03/2019

aedis
 architects
 www.aedisarchitects.com
 387 S. 1st Street, Suite 300
 San Jose, CA 95113
 tel: (408) 300-5100
 fax: (408) 300-5121

PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

 Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT
 CONSULTANT



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
1		

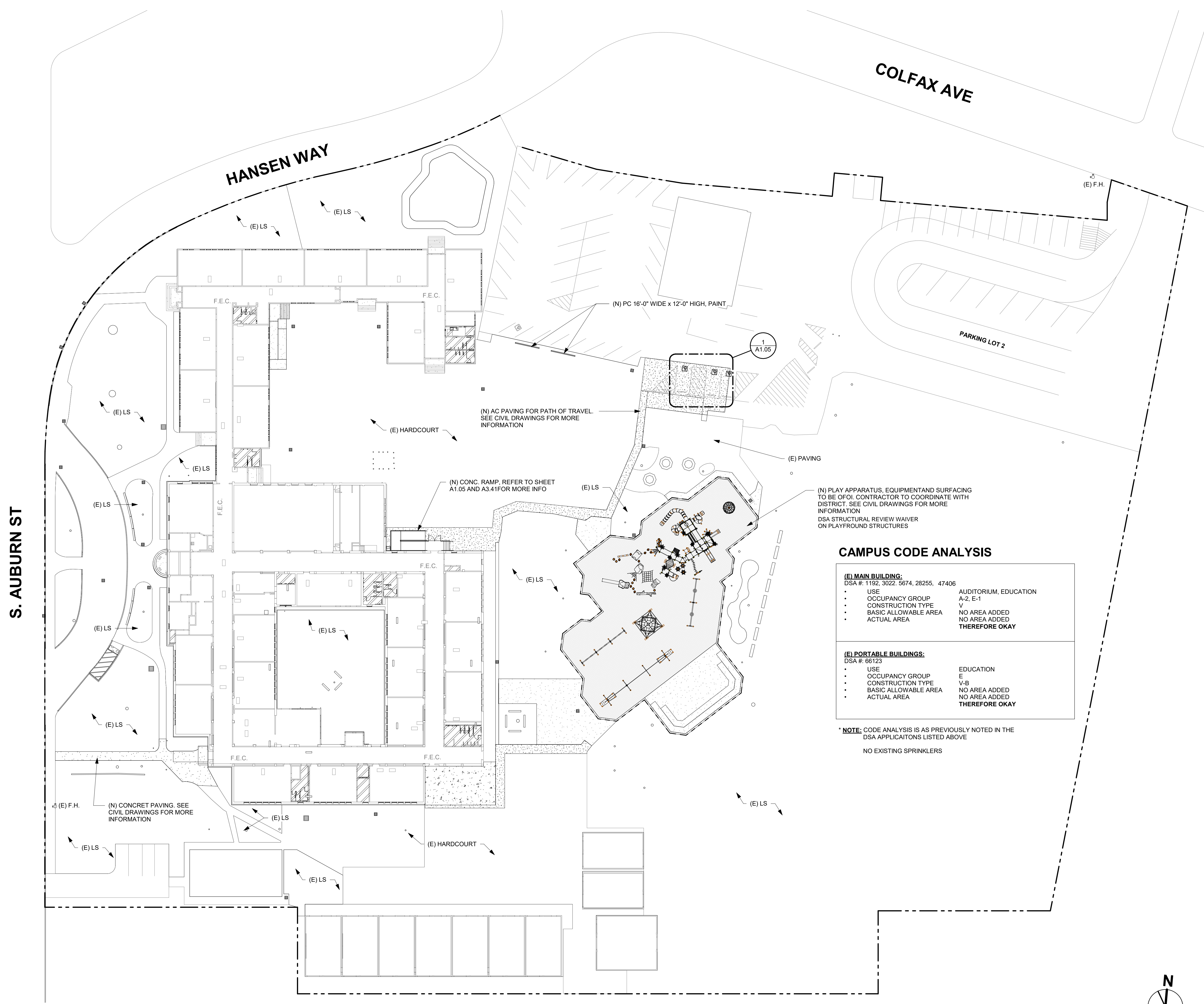
MILESTONES

SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

NEW SITE PLAN

DATE 04/08/2019
 JOB # 2018044
 SHEET #

A2.00



CAMPUS CODE ANALYSIS

(E) MAIN BUILDING:
 DSA #: 1192, 3022, 5674, 28255, 47406

- USE AUDITORIUM, EDUCATION
- OCCUPANCY GROUP A-2, E-1
- CONSTRUCTION TYPE V
- BASIC ALLOWABLE AREA NO AREA ADDED
- ACTUAL AREA NO AREA ADDED

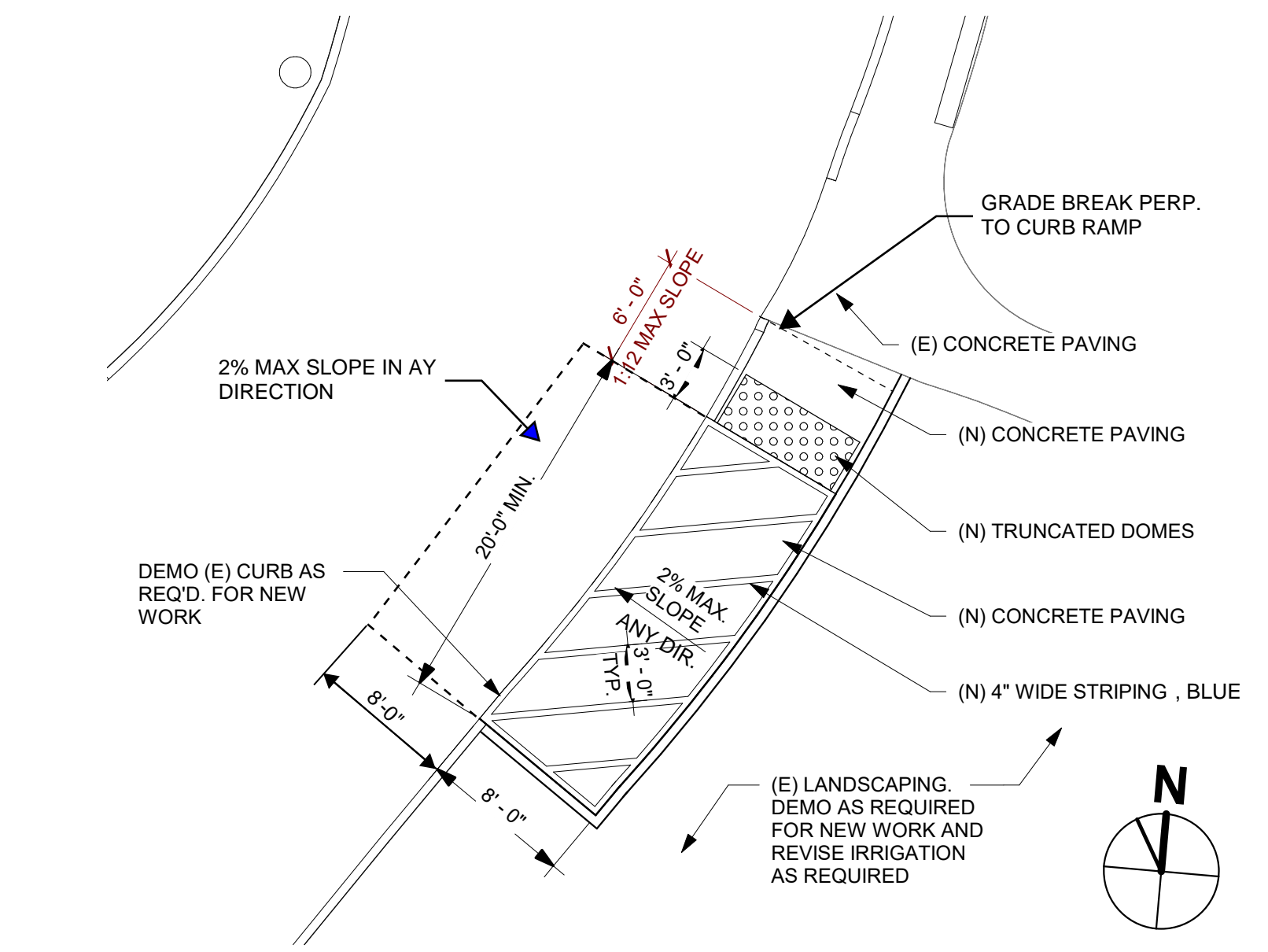
THEREFORE OKAY

(E) PORTABLE BUILDINGS:
 DSA #: 6123

- USE EDUCATION
- OCCUPANCY GROUP E
- CONSTRUCTION TYPE V-B
- BASIC ALLOWABLE AREA NO AREA ADDED
- ACTUAL AREA NO AREA ADDED

THEREFORE OKAY

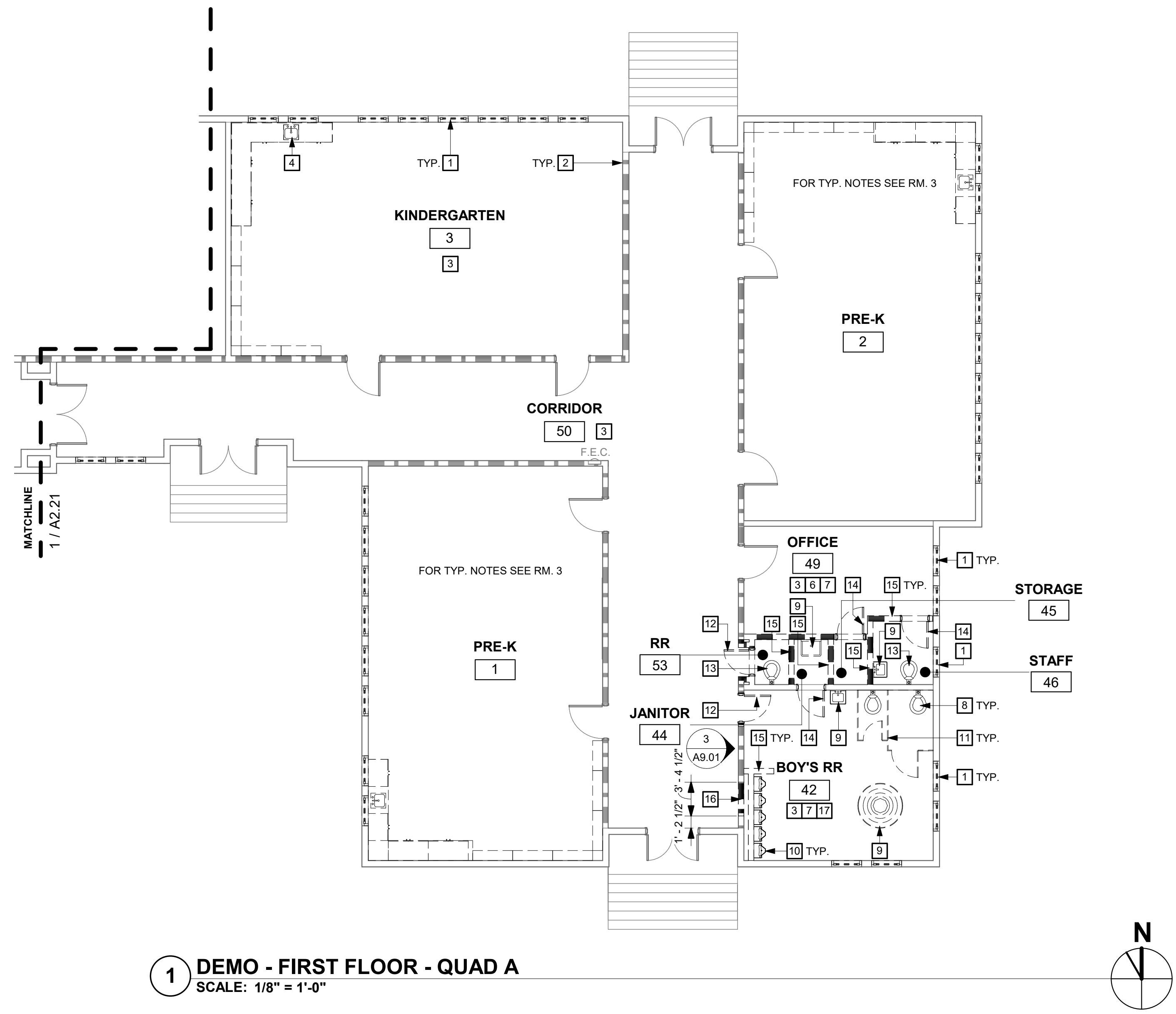
***NOTE:** CODE ANALYSIS IS AS PREVIOUSLY NOTED IN THE DSA APPLICATIONS LISTED ABOVE
 NO EXISTING SPRINKLERS



1 NEW SITE PLAN
 SCALE: 1" = 30'-0"

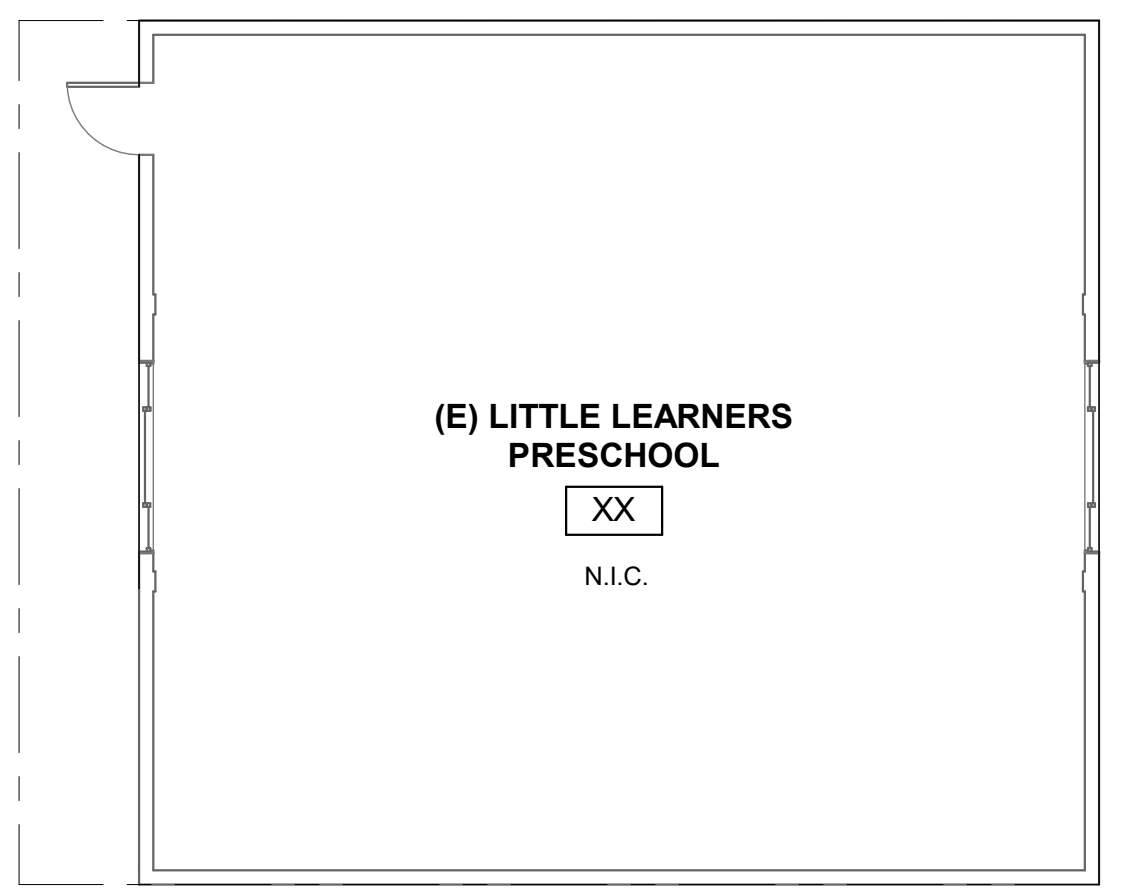
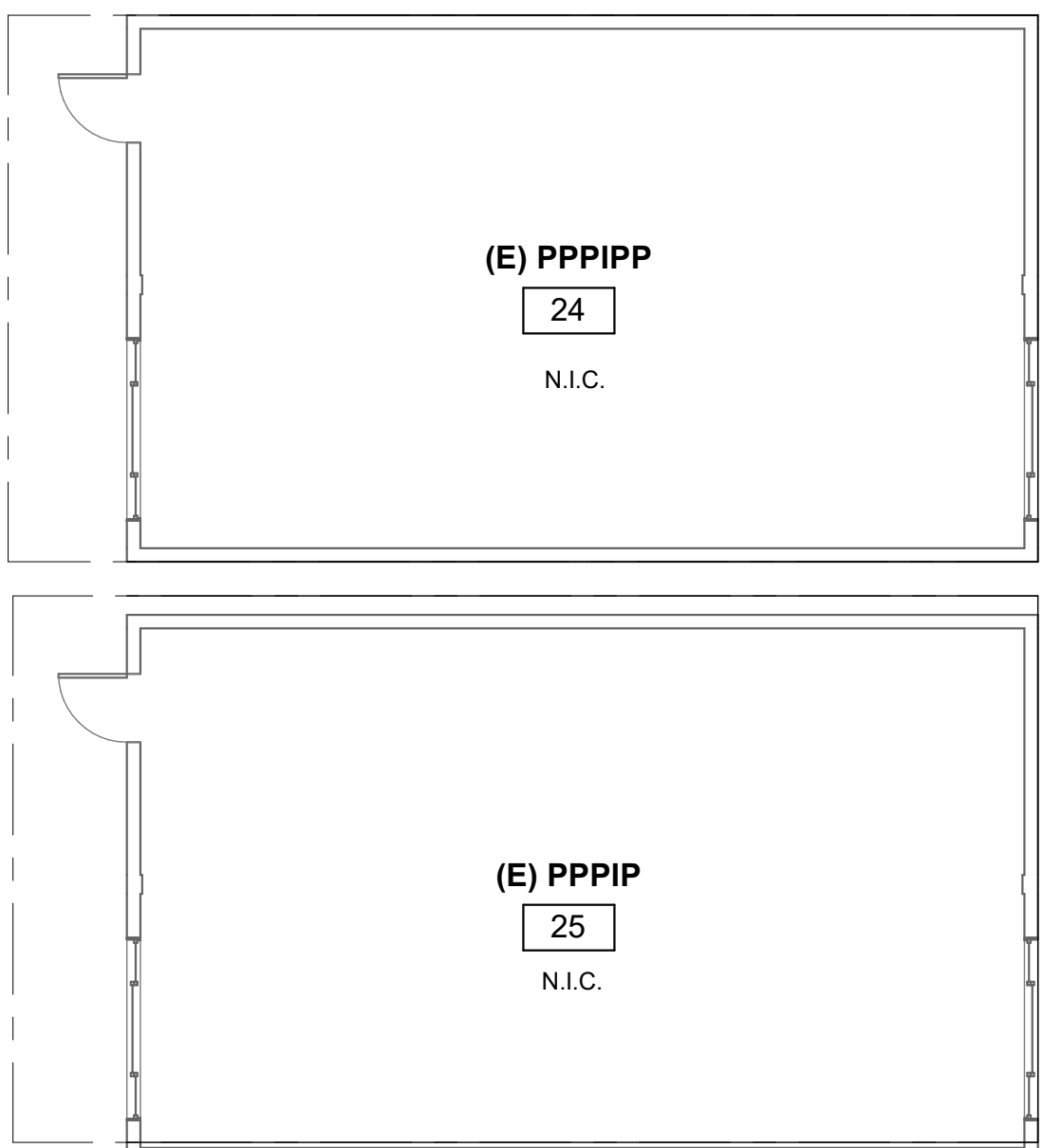
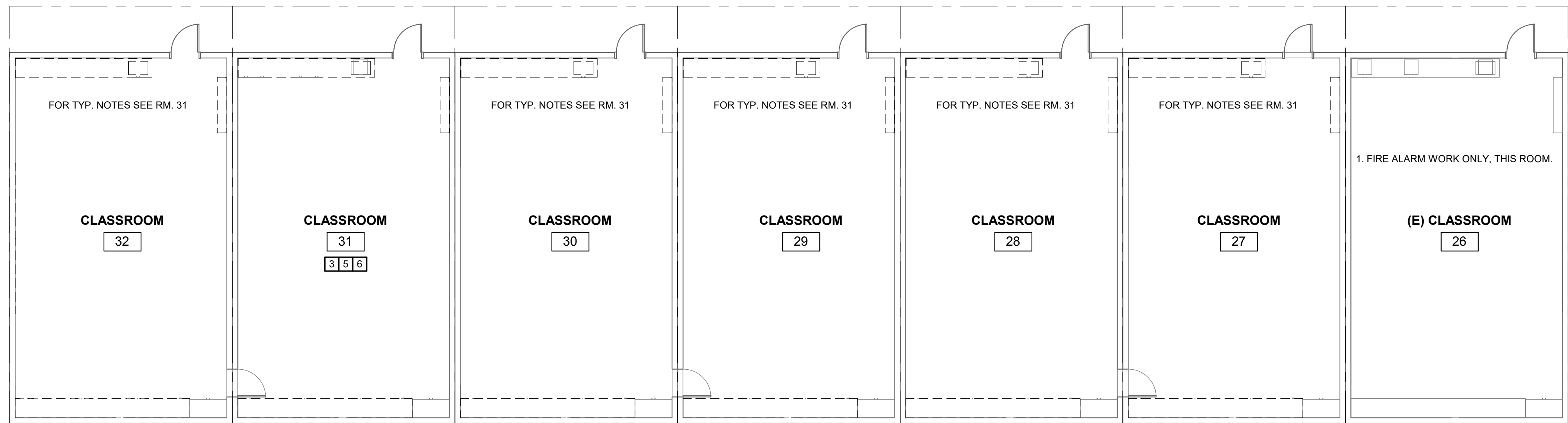
2 ACCESSIBLE DROP OFF
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MATCHLINE 1 / A2.31

MATCHLINE 1 / A2.41



GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- E REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT ON PARTITIONS TO BE DEMOLISHED. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED. SEE CONSULTANT'S DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
- F AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- G ALL FLOORING MATERIALS ARE TO BE REMOVED TO TOP OF EXISTING SLAB BY MECHANICAL MEANS U.O.N. REVIEW SECTION 024113 AS APPLICABLE. TOP OF EXISTING SLAB TO BE LEFT SMOOTH, CLEAN, AND FREE OF ALL ADHESIVE AND READY FOR INSTALLATION OF NEW FLOORING.
- H EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- I DEMO ALL EXISTING COATHOOKS AND PATCH TO MATCH ADJ. FINISHES

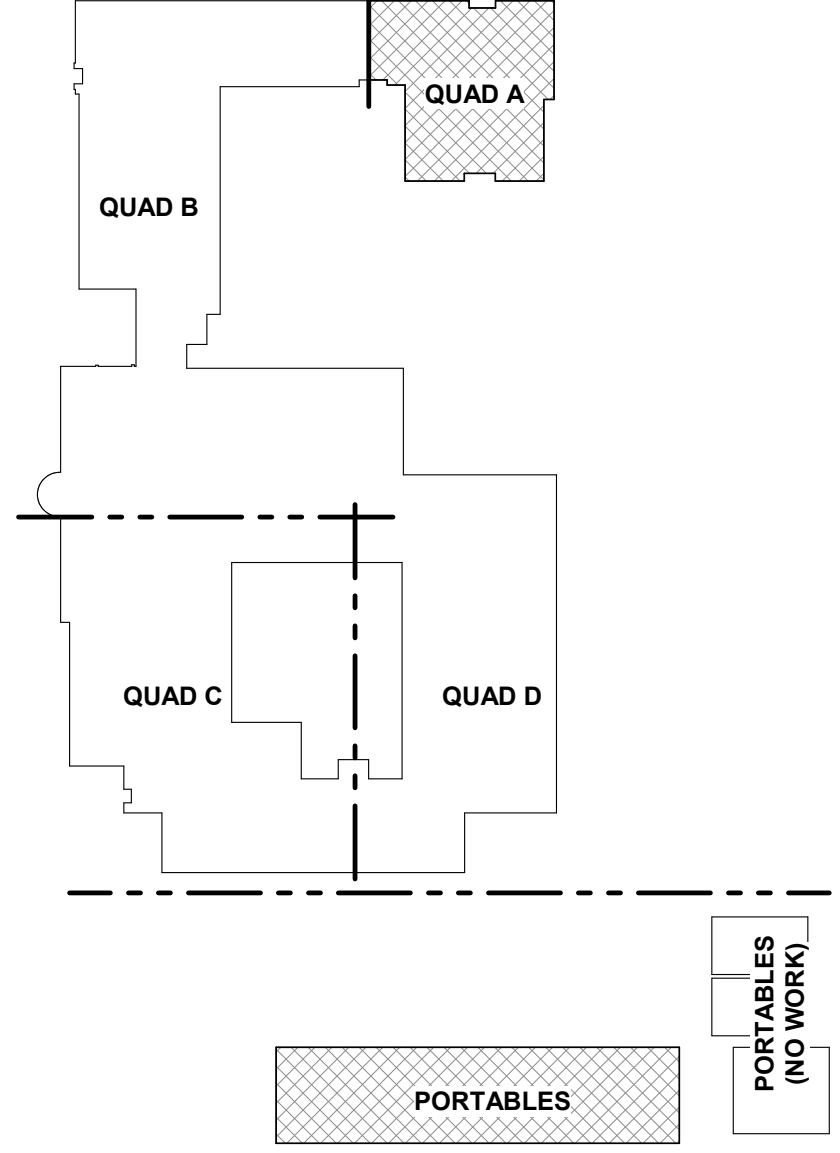
DEMOLITION FLOOR PLAN KEYNOTES

- 1 DEMO (E) WINDOW AS REQ'D. FOR REPLACEMENT. SEE WINDOW SCHEDULE AND DETAILS FOR MORE INFORMATION.
- 2 DEMO (E) TACKLE WALL PANELS TO SUBSTRATE AND PREP FOR INSTALLATION OF NEW TACKLE WALL PANELS
- 3 DEMO (E) FLOORING TO SUBFLOOR
- 4 DEMO (E) COUNTER TOP AND SINKS. SEE PLUMBING PLANS FOR MORE INFORMATION
- 5 DEMO (E) TACKLE WALL PANELS, MARKER BOARDS, AND OTHER OBJECTS AS SHOWN IN DRAWINGS.
- 6 REMOVE (E) CEILING TILES; PROTECT AND PREPARE T-BAR GRID FOR INSTALLATION OF (N) CEILING TILES
- 7 DEMO (E) WALL FINISHES TO STUD; NO STRUCTURAL SHEATHING SHALL BE REMOVED
- 8 DEMO (E) TOILET FIXTURE & PREPARE TO RECEIVE (N). SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 9 DEMO (E) SINK
- 10 DEMO (E) URINAL
- 11 DEMO (E) TOILET PARTITION AND HARDWARE, TYP.
- 12 DEMO (E) DOOR; PREPARE FRAME TO RECEIVE (N) DOOR & HARDWARE
- 13 DEMO (E) TOILET FIXTURE
- 14 DEMO (E) DOOR AS SHOWN
- 15 DEMO (E) WALL AS SHOWN
- 16 DEMO PORTION OF (E) WALL AS SHOWN ON PLAN
- 17 DEMO (E) GYP. BD. CEILING FROM (E) FRAMING

GRAPHIC KEY

- WALL TYPES:
- EXISTING WALL TO BE DEMOLISHED.
 - EXISTING WALL TO REMAIN.

BUILDING KEY



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS [] FLS [] ACS []
DATE: 05/03/2019

aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

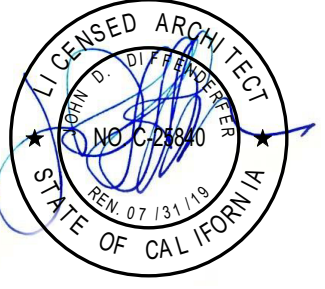
PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT

CONSULTANT

STAMP



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
No. Description Date

MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET
DEMOLITION FLOOR PLAN - QUAD A & PORTABLES

DATE 04/08/2019
JOB # 2018044

SHEET #
A2.11

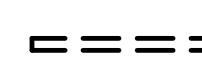
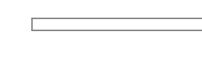
GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- E REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT ON PARTITIONS TO BE DEMOLISHED. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED. SEE CONSULTANT'S DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
- F AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- G ALL FLOORING MATERIALS ARE TO BE REMOVED TO TOP OF EXISTING SLAB BY MECHANICAL MEANS U.O.N. REVIEW SECTION 024113 AS APPLICABLE. TOP OF EXISTING SLAB TO BE LEFT SMOOTH, CLEAN, AND FREE OF ALL ADHESIVE AND READY FOR INSTALLATION OF NEW FLOORING.
- H EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- I DEMO ALL EXISTING COATHOOKS AND PATCH TO MATCH ADJ. FINISHES

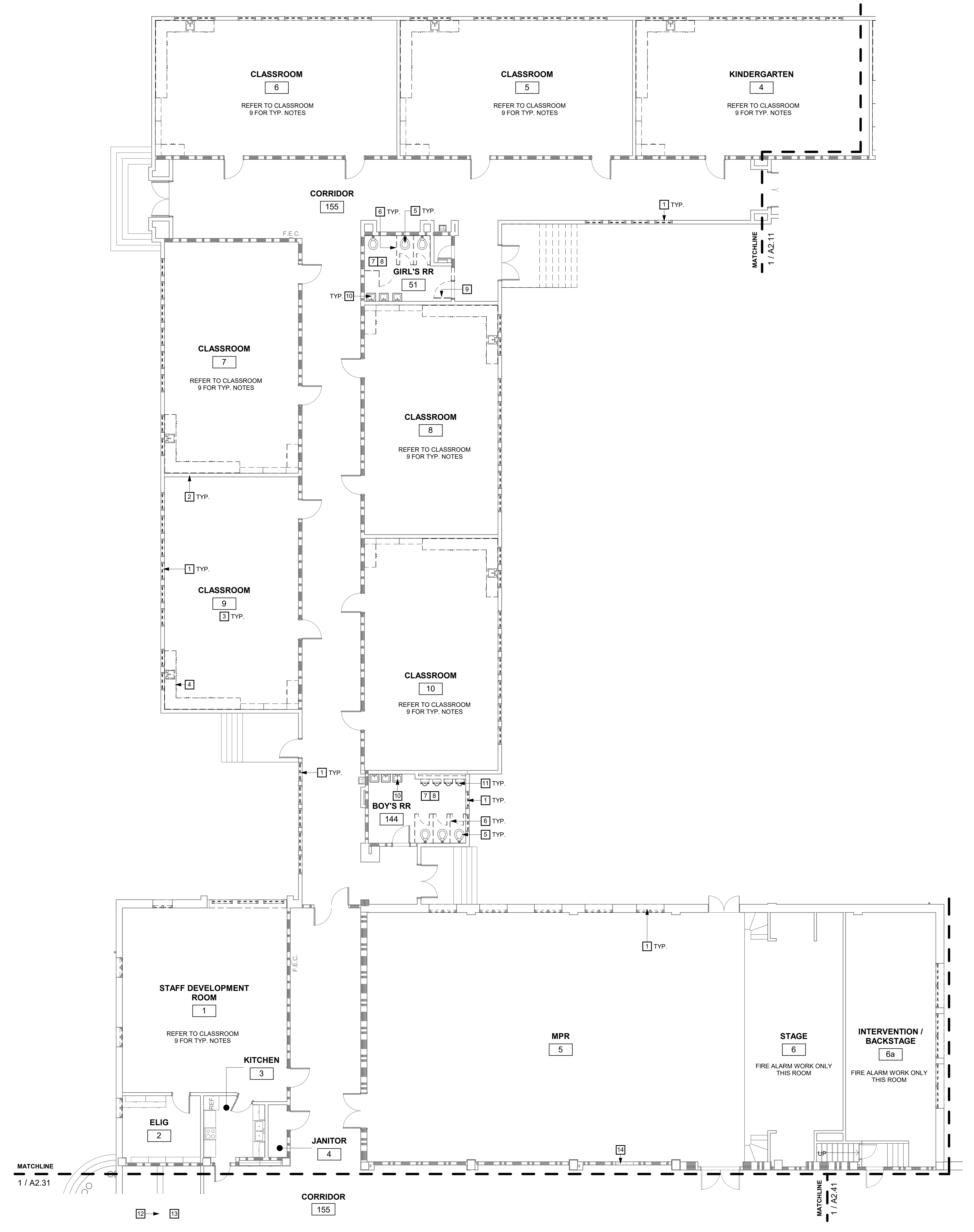
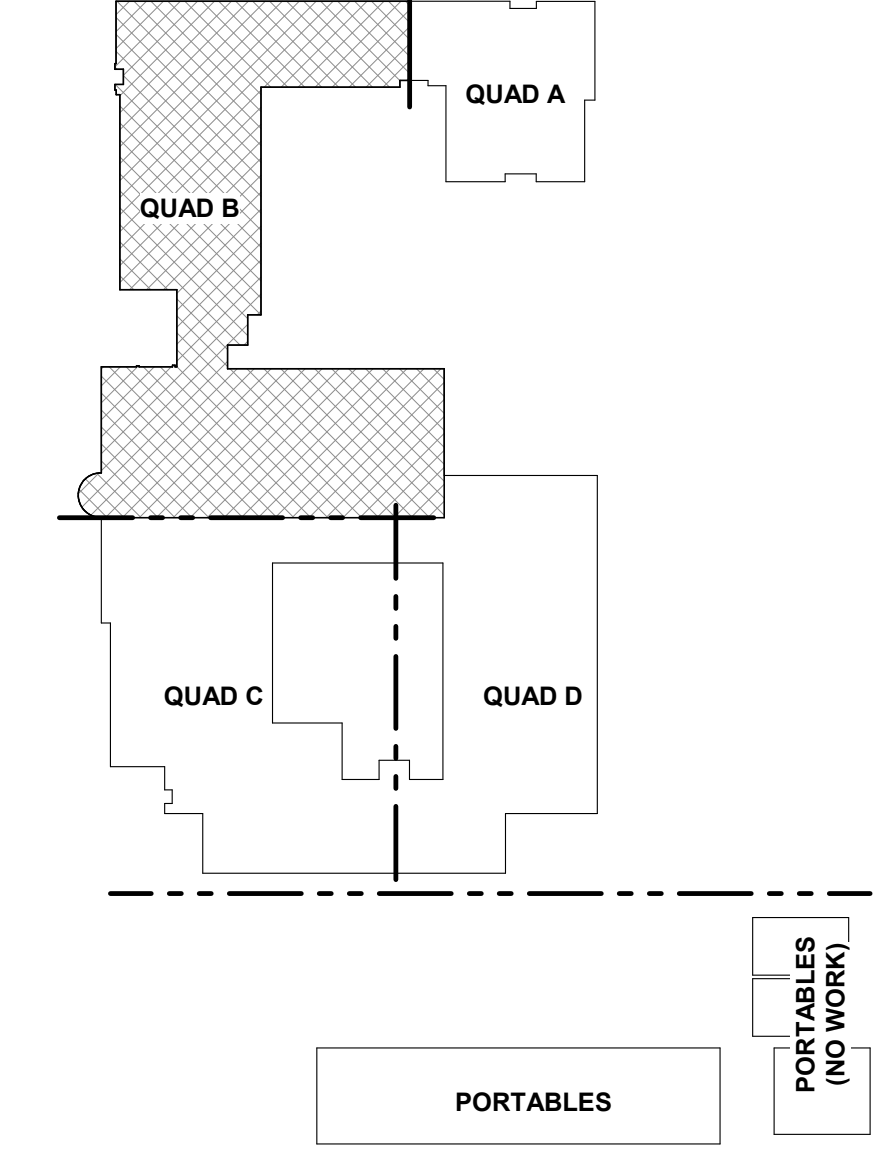
DEMOLITION FLOOR PLAN KEYNOTES

- 1 DEMO (E) WINDOW AS REQ'D. FOR REPLACEMENT. SEE WINDOW SCHEDULE AND DETAILS FOR MORE INFORMATION.
- 2 DEMO (E) TACKABLE WALL PANELS TO SUBSTRATE AND PREP FOR INSTALLATION OF NEW TACKABLE WALL PANELS
- 3 DEMO (E) FLOORING TO SUBFLOOR
- 4 DEMO (E) COUNTERTOP AND SINKS. SEE PLUMBING PLANS FOR MORE INFORMATION
- 5 DEMO (E) TOILET FIXTURE & PREPARE TO RECEIVE (N). SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 6 DEMO (E) TOILET PARTITION AND HARDWARE FOR REINSTALLATION AS SHOWN ON (N) PLANS, TYP.
- 7 DEMO (E) WALL FINISHES TO STUD; NO STRUCTURAL SHEATHING SHALL BE REMOVED
- 8 (E) TILE FLOORING TO REMAIN
- 9 DEMO (E) DOOR; PREPARE FRAME TO RECEIVE (N) DOOR & HARDWARE
- 10 DEMO (E) SINK & PREPARE TO RECEIVE (N). SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 11 DEMO (E) URINAL & PREPARE TO RECEIVE (N). SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 12 (E) STEPS TO REMAIN
- 13 (E) FLOORING TO REMAIN IN VESTIBULE
- 14 (E) MANHOLE THROUGH FOUNDATION WALL

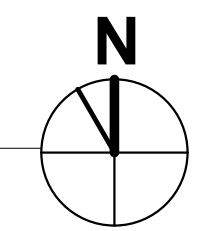
GRAPHIC KEY

- WALL TYPES:
-  EXISTING WALL TO BE DEMOLISHED.
 -  EXISTING WALL TO REMAIN.

BUILDING KEY



1 DEMO - FIRST FLOOR - QUAD B
 SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

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- H EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- I DEMO ALL EXISTING COATHOOKS AND PATCH TO MATCH ADJ. FINISHES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 02-117269 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 05/03/2019

aedis
 architects

www.aedisarchitects.com
 387 S. 1st Street, Suite 300
 San Jose, CA 95113
 tel: (408)-300-5100
 fax: (408)-300-5121

PROJECT
GRASS VALLEY SCHOOL CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT

CONSULTANT

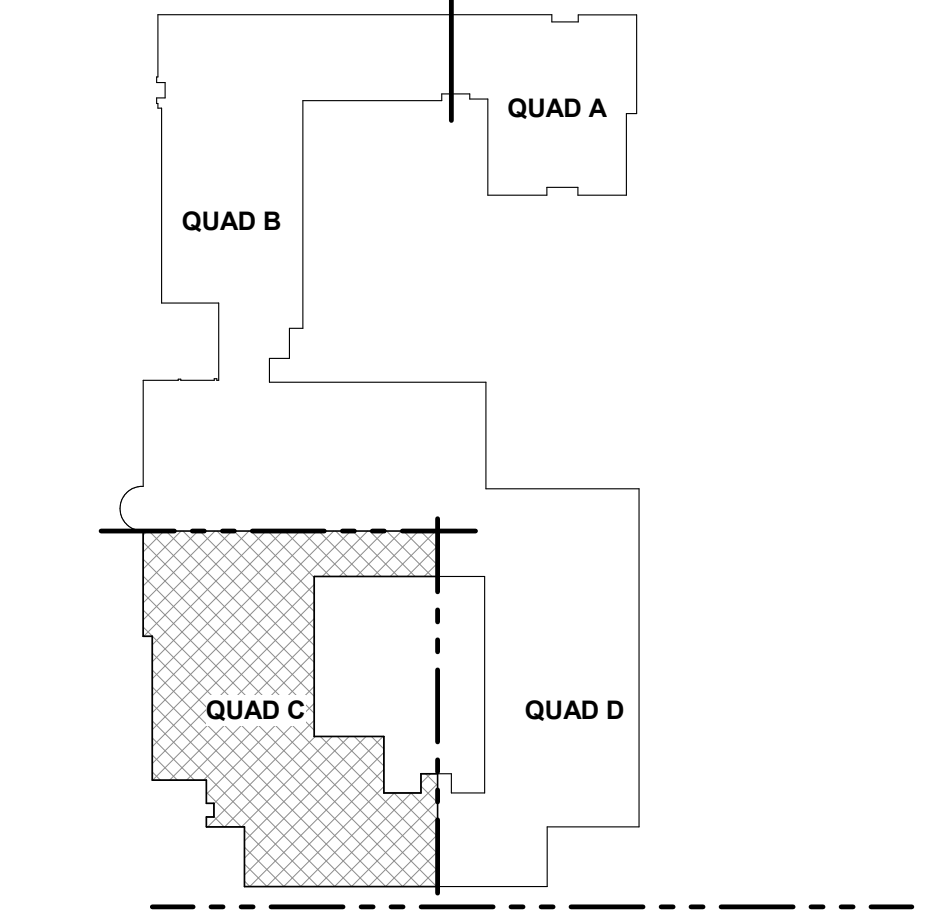
DEMOLITION FLOOR PLAN KEYNOTES

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- 2 DEMO (E) TACKABLE WALL PANELS TO SUBSTRATE AND PREP FOR INSTALLATION OF NEW TACKABLE WALL PANELS
- 3 DEMO (E) FLOORING TO SUBFLOOR
- 4 DEMO (E) COUNTER TOP AND SINKS. SEE PLUMBING PLANS FOR MORE INFORMATION
- 5 RELOCATE (E) REFRIGERATOR TO (N) LOCATION AS SHOWN.
- 6 REMOVE (E) CEILING TILES; PROTECT AND PREPARE T-BAR GRID FOR INSTALLATION OF (N) CEILING TILES
- 7 DEMO (E) FINISH WALL TO BRICK BEHIND; CLEAN, PATCH AND REPAIR FOR BRICK FINISH
- 8 REMOVE (E) DOOR, HARDWARE (BOTH SIDES) AND RETURN TO OWNER; PREPARE TO INFILL OPENING; REFER TO NEW FLOOR PLANS & WALL TYPES FOR MORE INFORMATION
- 9 DEMO PORTION OF (E) WALL AS SHOWN ON PLAN
- 10 DEMO (E) CABINET AND REPLACE WITH (N)
- 11 DEMO (E) CEILING TILES & PREPARE TO RECEIVE (N)
- 12 DEMO (E) DOOR; PREPARE FRAME TO RECEIVE (N) DOOR & HARDWARE
- 13 DEMO (E) TOILET PARTITION AND HARDWARE. TYP.
- 14 DEMO (E) TOILET FIXTURE & PREPARE TO RECEIVE (N). SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- 15 DEMO (E) SINK
- 16 DEMO (E) WALL FINISHES TO STUD; NO STRUCTURAL SHEATHING SHALL BE REMOVED
- 17 DEMO (E) DOOR AS SHOWN
- 18 DEMO (E) WALL AS SHOWN
- 19 REMOVE (E) WATER HEATER
- 20 DEMO (E) TOILET FIXTURE
- 21 DEMO (E) CASEWORK AS SHOWN
- 22 (E) STEPS TO REMAIN
- 23 (E) FLOORING TO REMAIN IN VESTIBULE
- 24 (E) MANHOLE THROUGH FOUNDATION WALL

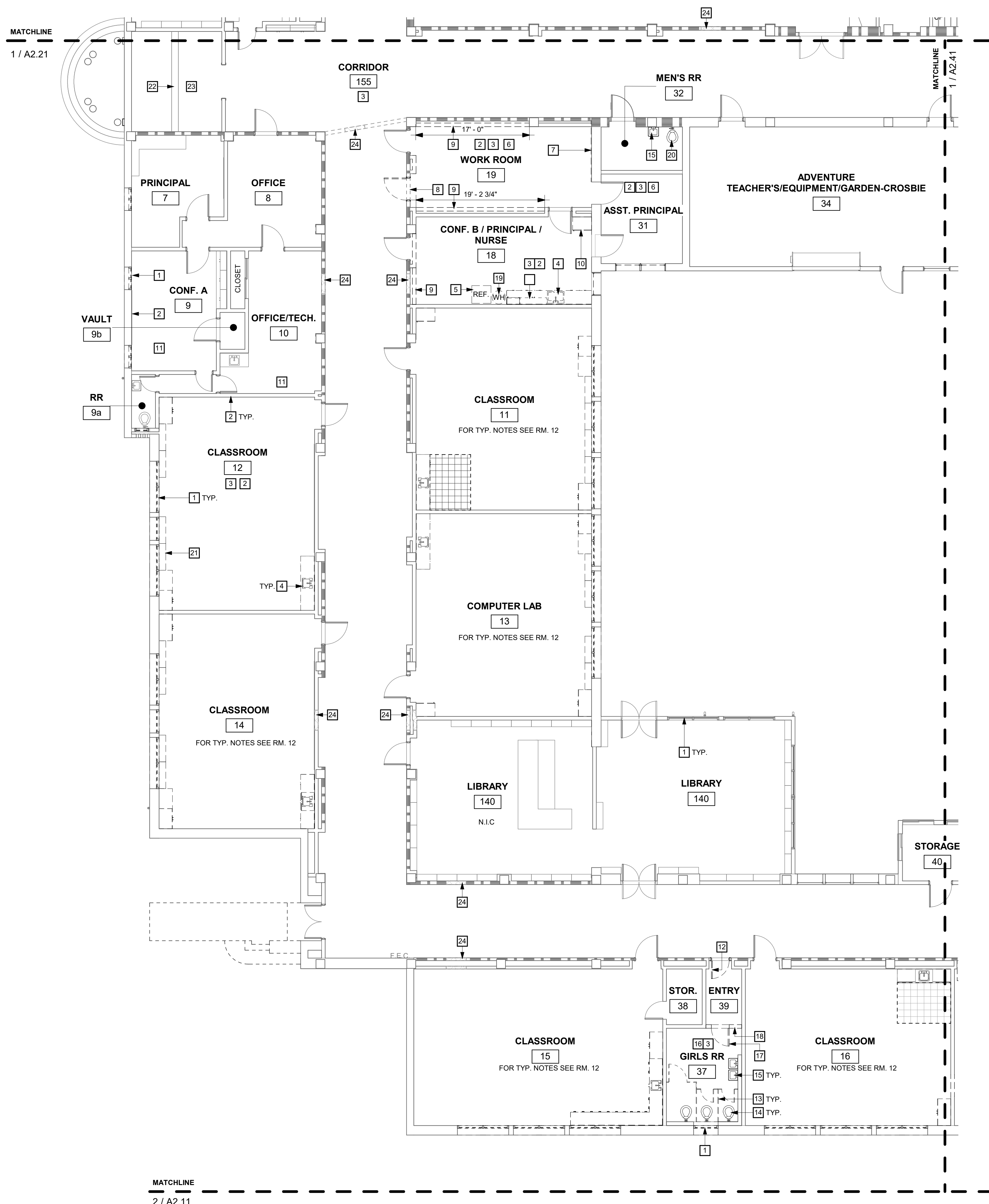
GRAPHIC KEY

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- EXISTING WALL TO BE DEMOLISHED.
 - EXISTING WALL TO REMAIN.

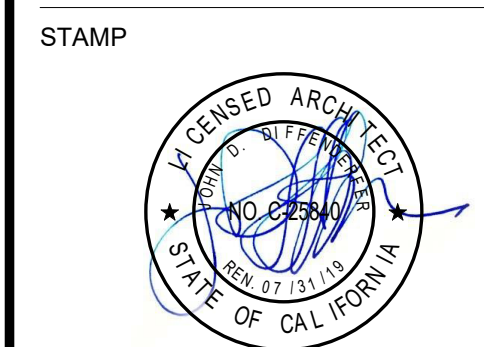
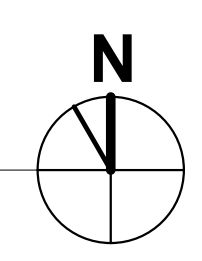
BUILDING KEY



- PORTABLES
- PORTABLES (NO WORK)



1 DEMO - FIRST FLOOR - QUAD C
 SCALE: 1/8" = 1'-0"



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date

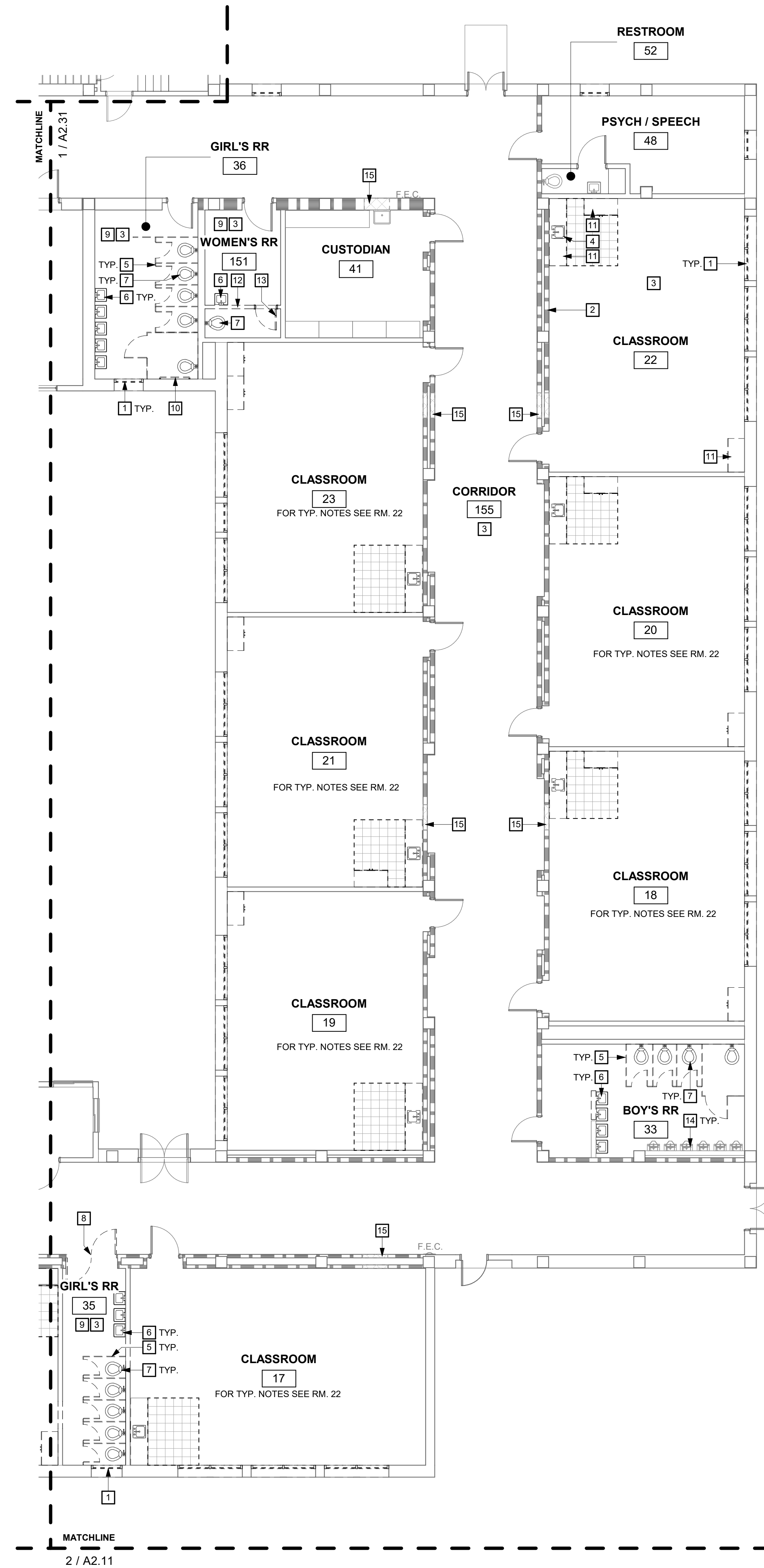
MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET
DEMOLITION FLOOR PLAN - QUAD C

DATE 04/08/2019
 JOB # 2018044
 SHEET #

A2.31



GENERAL SHEET NOTES

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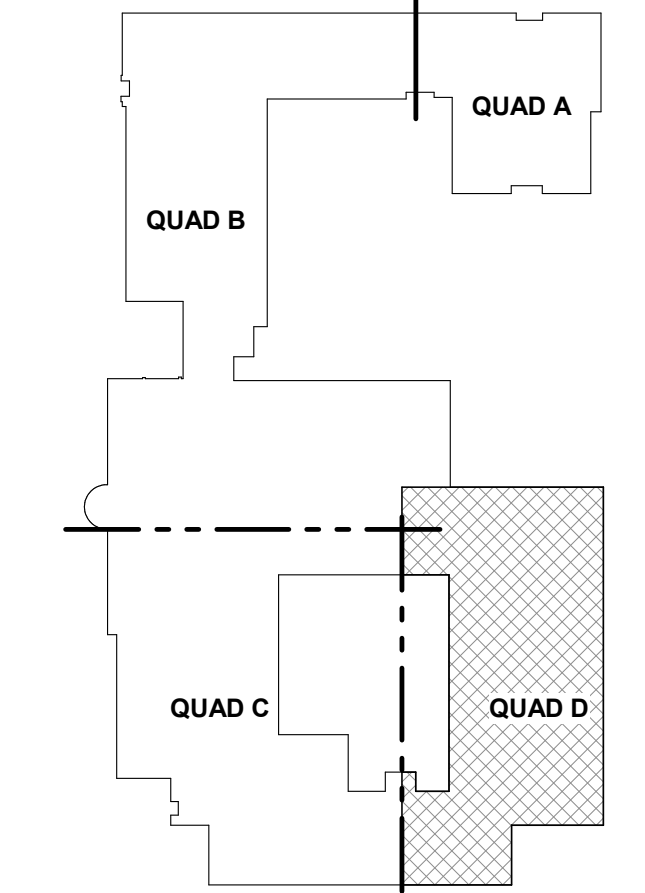
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- 6 DEMO (E) SINK
- 7 DEMO (E) TOILET FIXTURE
- 8 REMOVE (E) DOOR, HARDWARE (BOTH SIDES) AND RETURN TO OWNER; PREPARE TO INFILL OPENING. REFER TO NEW FLOOR PLANS & WALL TYPES FOR MORE INFORMATION
- 9 DEMO (E) WALL FINISHES TO STUD; NO STRUCTURAL SHEATHING SHALL BE REMOVED
- 10 DEMO (E) GRAB BAR, TYP.
- 11 DEMO (E) CASEWORK AS SHOWN
- 12 DEMO (E) WALL AS SHOWN
- 13 DEMO (E) DOOR AS SHOWN
- 14 DEMO (E) URINAL
- 15 (E) MANHOLE THROUGH FOUNDATION WALL

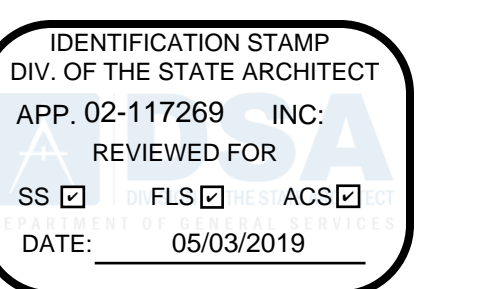
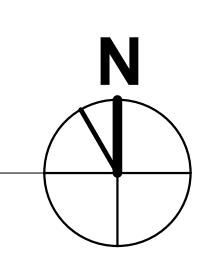
GRAPHIC KEY

- WALL TYPES:
- EXISTING WALL TO BE DEMOLISHED.
 - EXISTING WALL TO REMAIN.

BUILDING KEY



1 DEMO - FIRST FLOOR - QUAD D
SCALE: 1/8" = 1'-0"

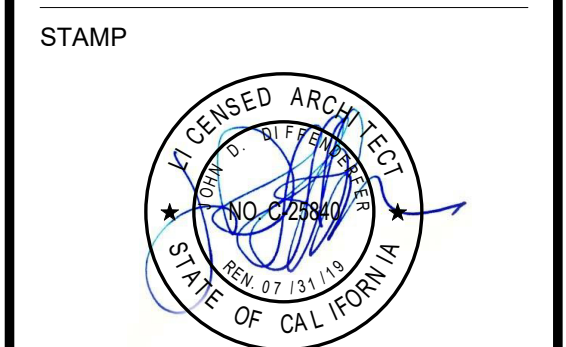


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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No.	Description	Date
1		

MILESTONES

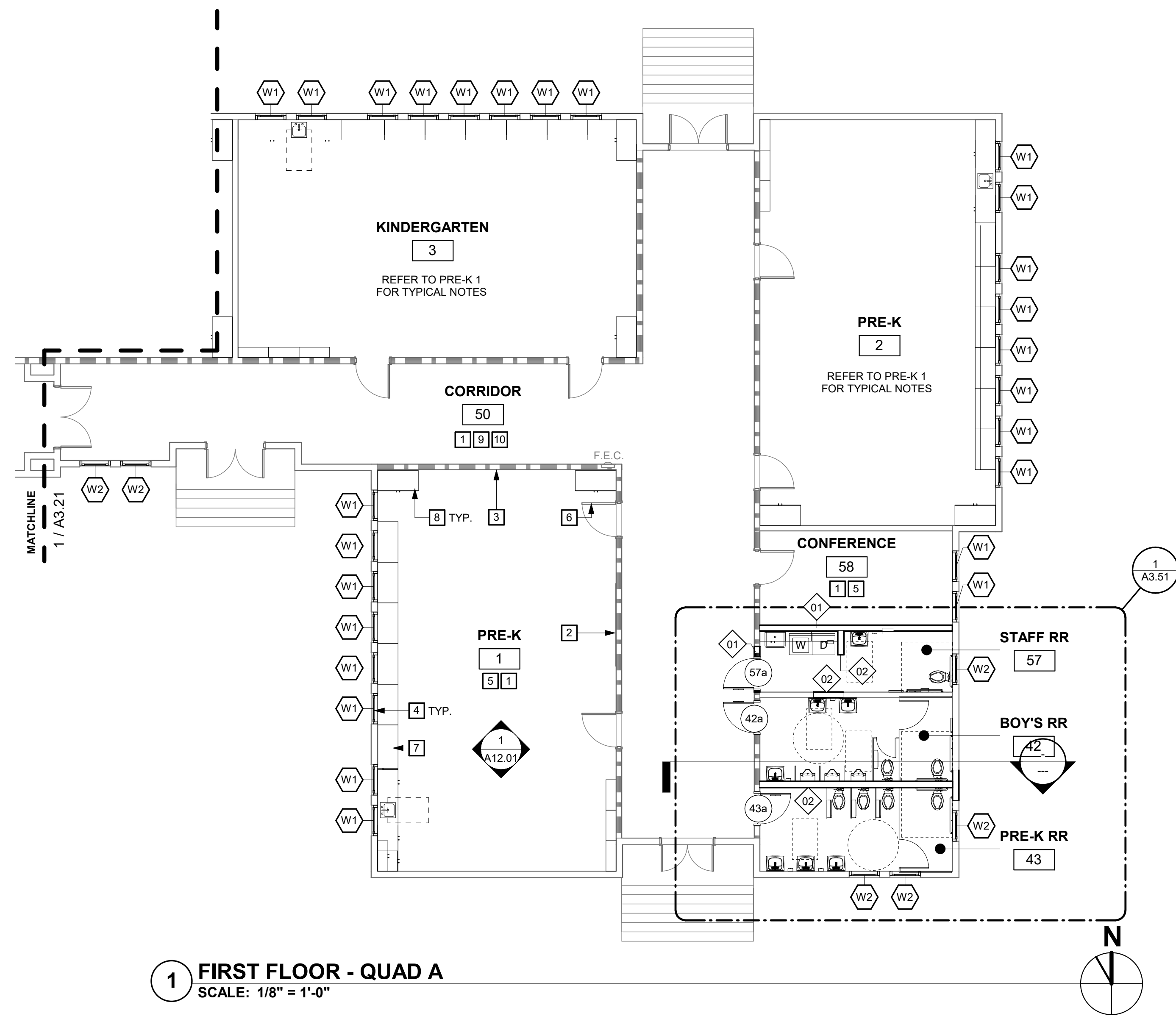
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50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET
DEMOLITION FLOOR PLAN - QUAD D

DATE 04/08/2019
JOB # 2018044
SHEET #

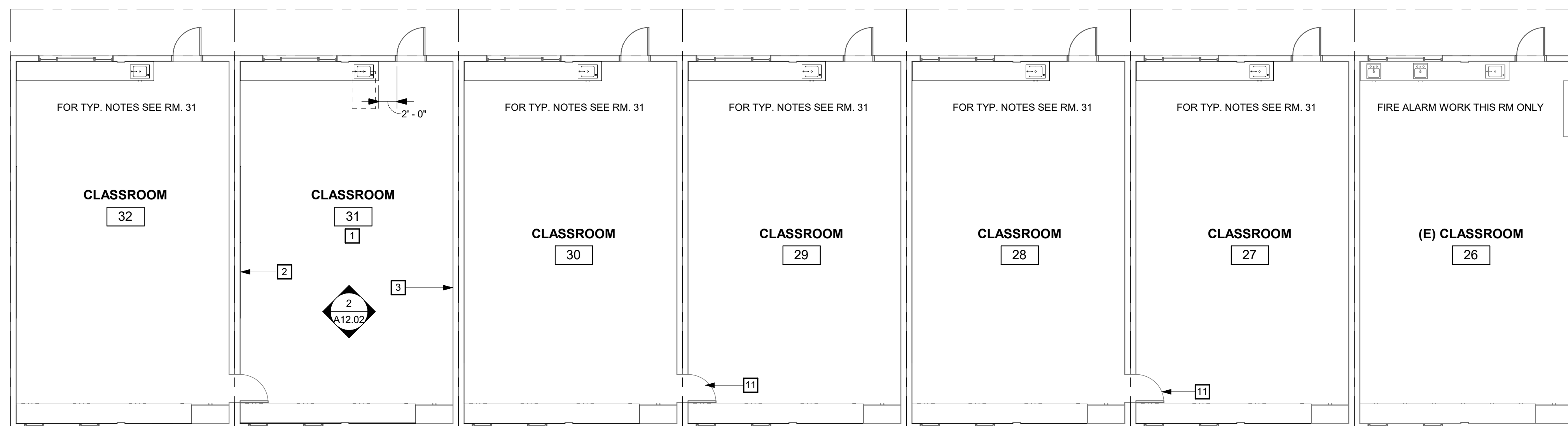
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1 FIRST FLOOR - QUAD A
SCALE: 1/8" = 1'-0"

MATCHLINE MATCHLINE
1 / A3.31 1 / A3.41



2 FIRST FLOOR - PORTABLES
SCALE: 1/8" = 1'-0"

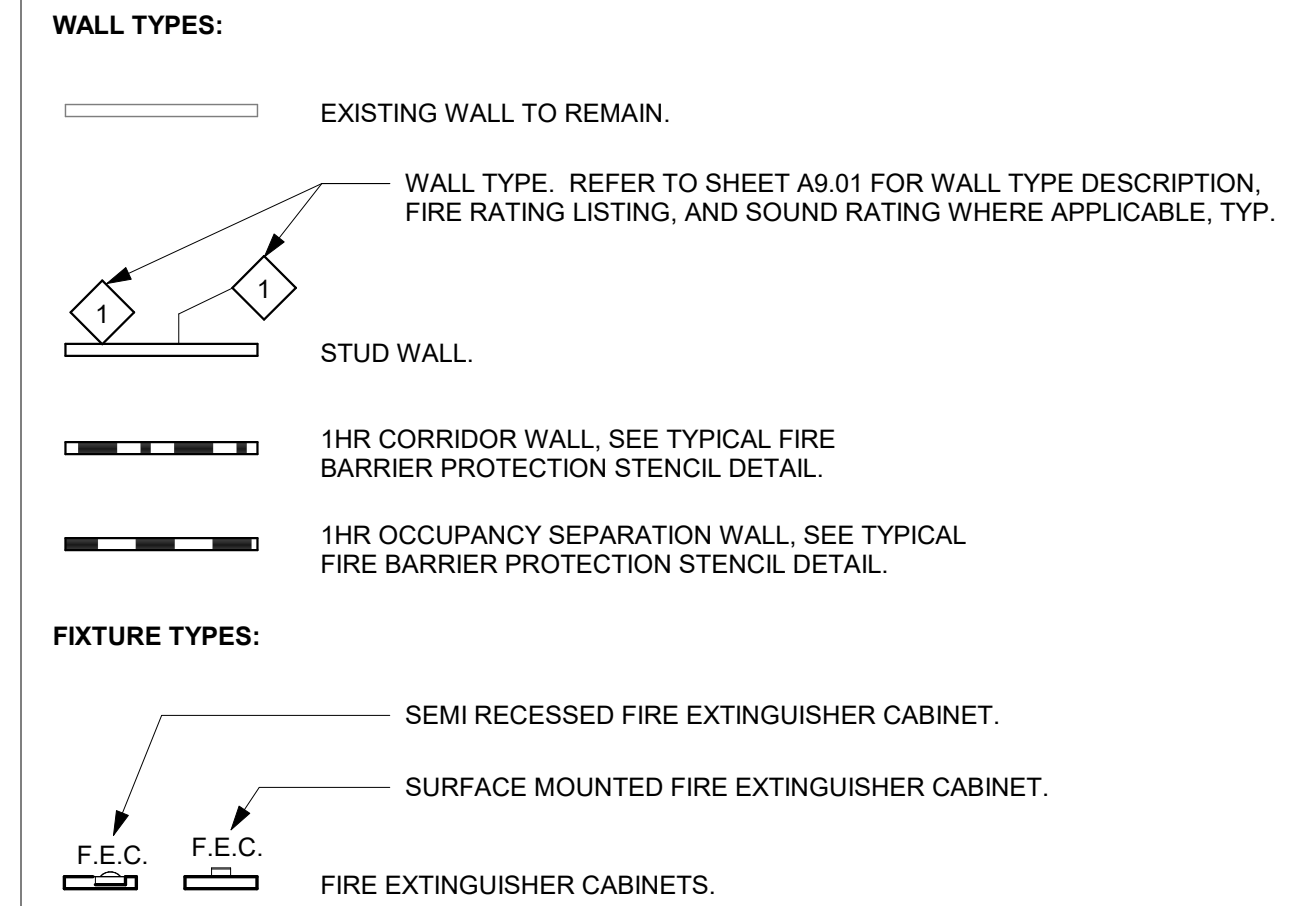
GENERAL SHEET NOTES

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- C REFER TO WALL TYPES FOR ALL FRAMING AND STRUCTURAL MEMBER SIZES.
- D PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
- E ALL EXTERIOR STUD WALLS SHALL HAVE MIN. R-21 FOIL BACKED INSULATION WHERE FINISHES HAVE BEEN REMOVED FOR NEW WORK.
- F ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- G PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS. SEE TYPICAL BACKING AND BLOCKING DETAILS.
- H FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL.
- I WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- J REFER TO WALL TYPE PLANS AND WALL TYPE DETAILS FOR IDENTIFICATION OF ALL WALL TYPES.
- K REFER TO FINISH PLAN AND SCHEDULE FOR IDENTIFICATION OF ALL FINISHES.
- L DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- N PAINT ALL INTERIOR DOORS, FRAMES AND TRIM, TYP.

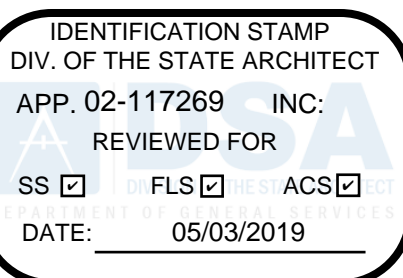
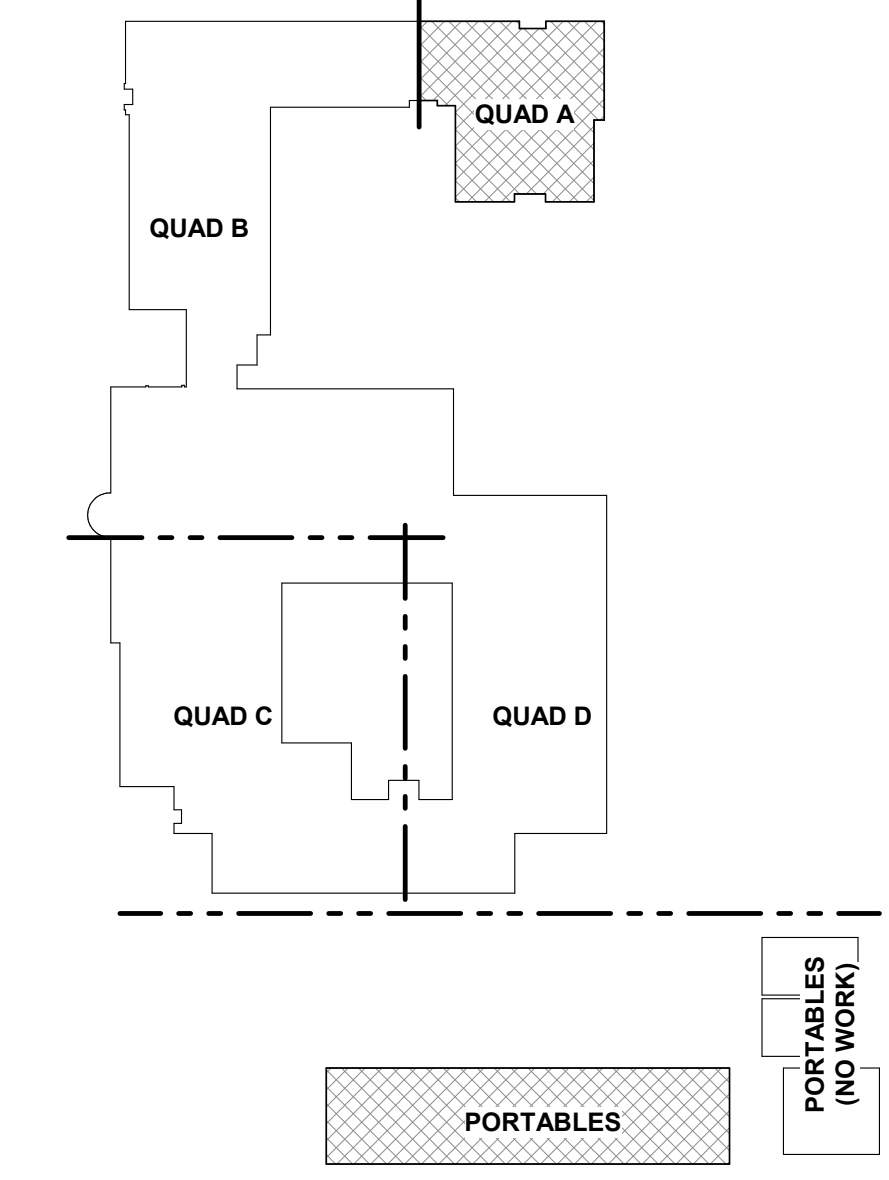
NEW FLOOR PLAN KEYNOTES

- 1 (N) LVT FLOORING, REFER TO SPEC
- 2 (N) MARKERBOARD, REFER TO SPEC
- 3 (N) 8'-0" MARKER WALL, REFER TO SPEC
- 4 INSTALL (N) WINDOW, REFER TO WINDOW TYPES FOR MORE INFORMATION
- 5 (N) TACKABLE WALL PANELS
- 6 (E) DOOR AND FRAME, TYP.
- 7 (E) (N) CUBBIES WITH COUNTERTOP
- 8 (2) (N) TALL CABINETS
- 9 (N) 4" TOPSET RUBBER BASE, COLOR TBD
- 10 PAINT (E) WALLS & TRIM IN CORRIDOR, TYP.
- 11 (E) DOOR AND FRAME TO REMAIN; PROTECT DURING CONSTRUCTION

GRAPHIC KEY



BUILDING KEY



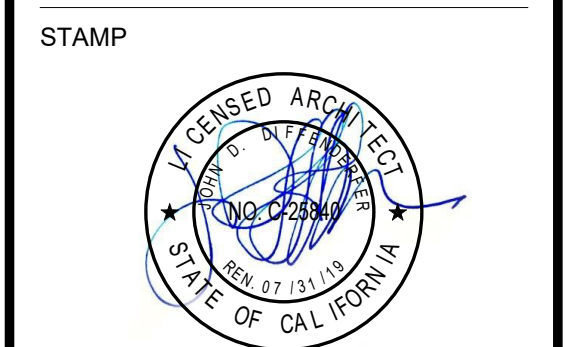
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PROJECT
**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**

Grass Valley
School District
GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
No. Description Date

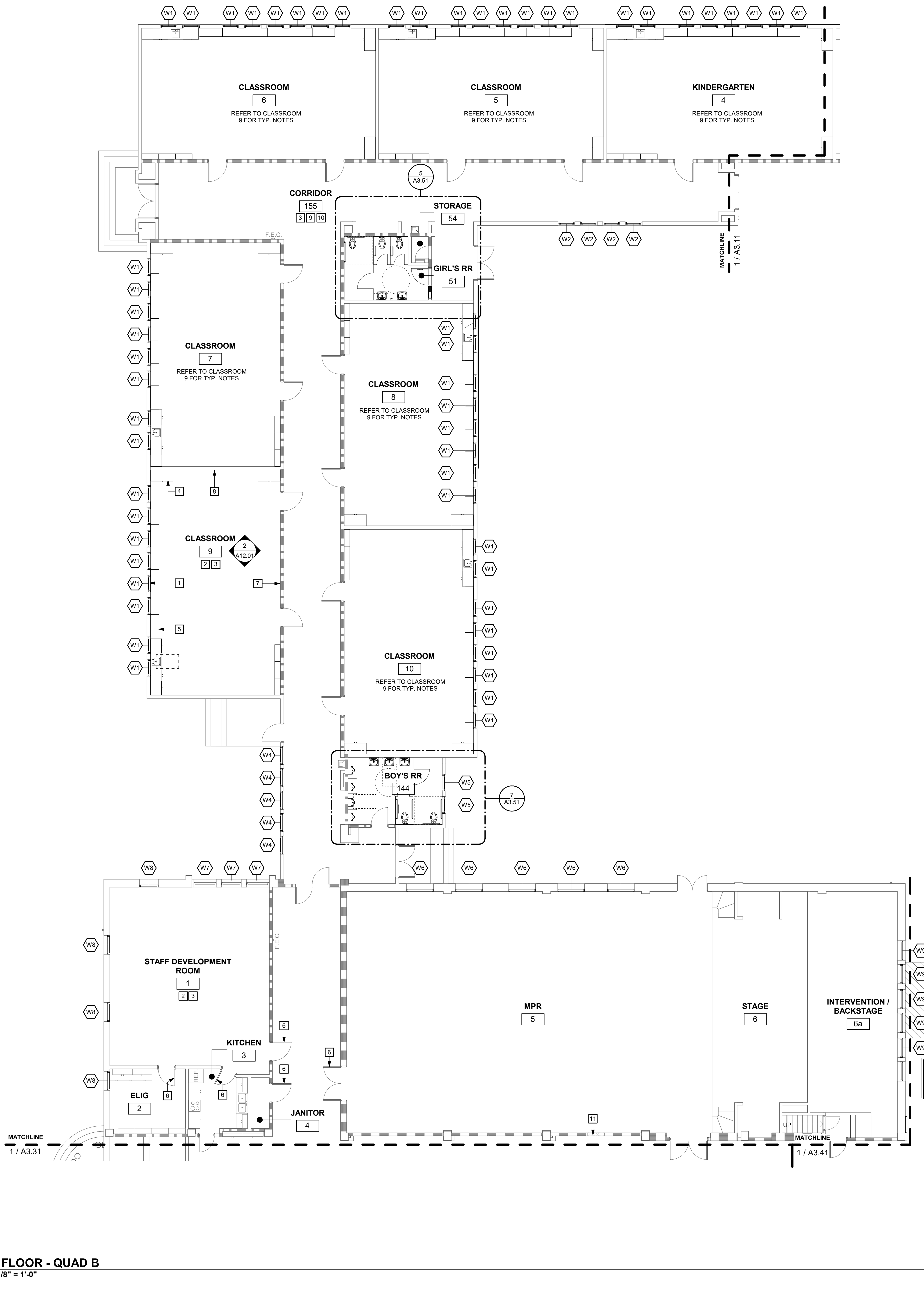
MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET
**NEW FLOOR
PLAN - QUAD A &
PORTABLES**

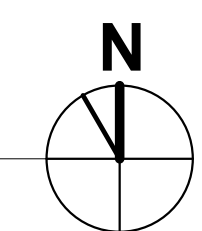
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JOB # 2018044

SHEET #
A3.11

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1 FIRST FLOOR - QUAD B
SCALE: 1/8" = 1'-0"



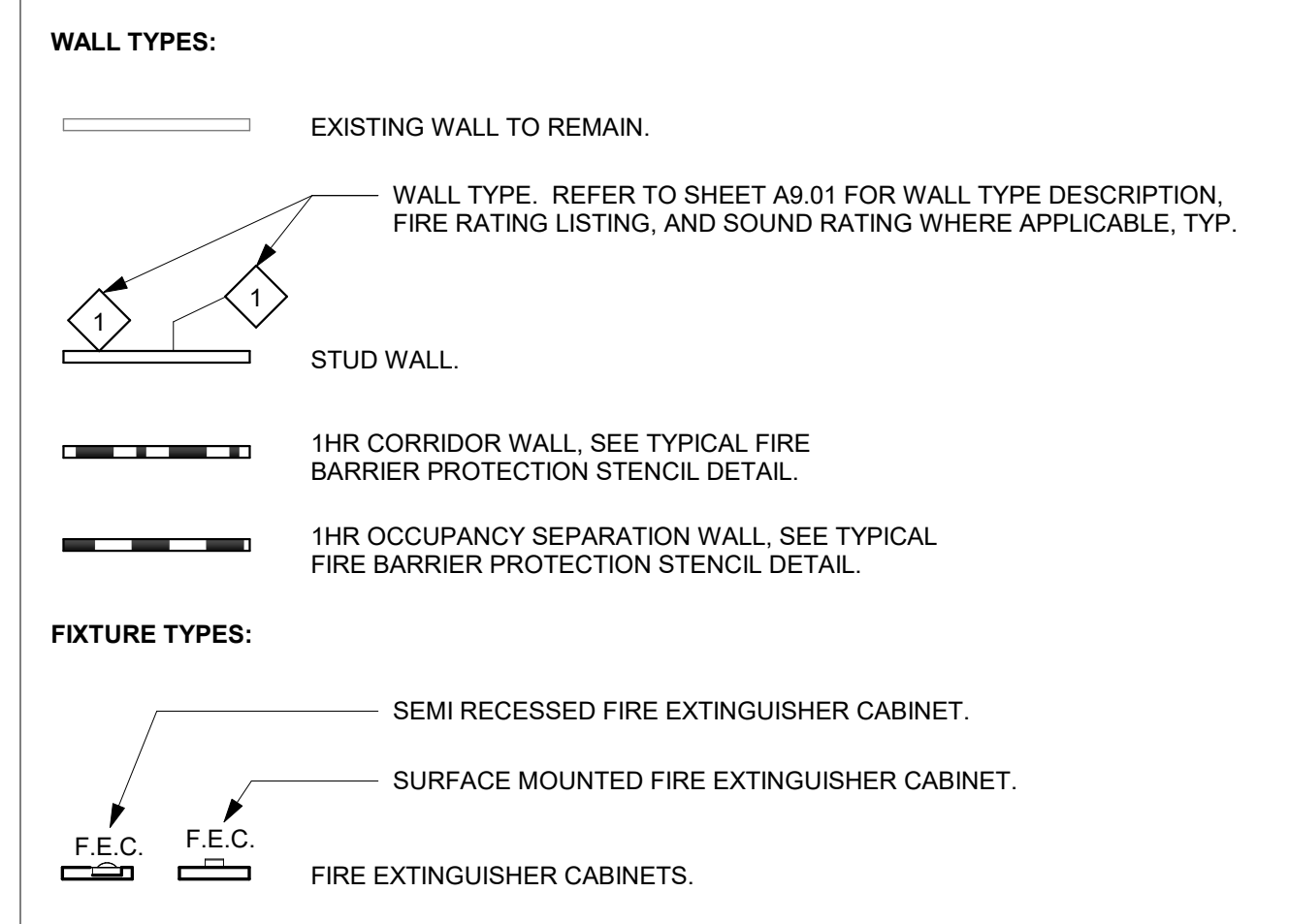
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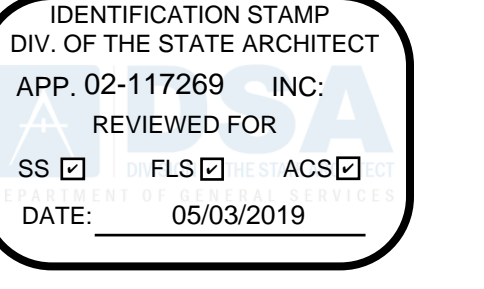
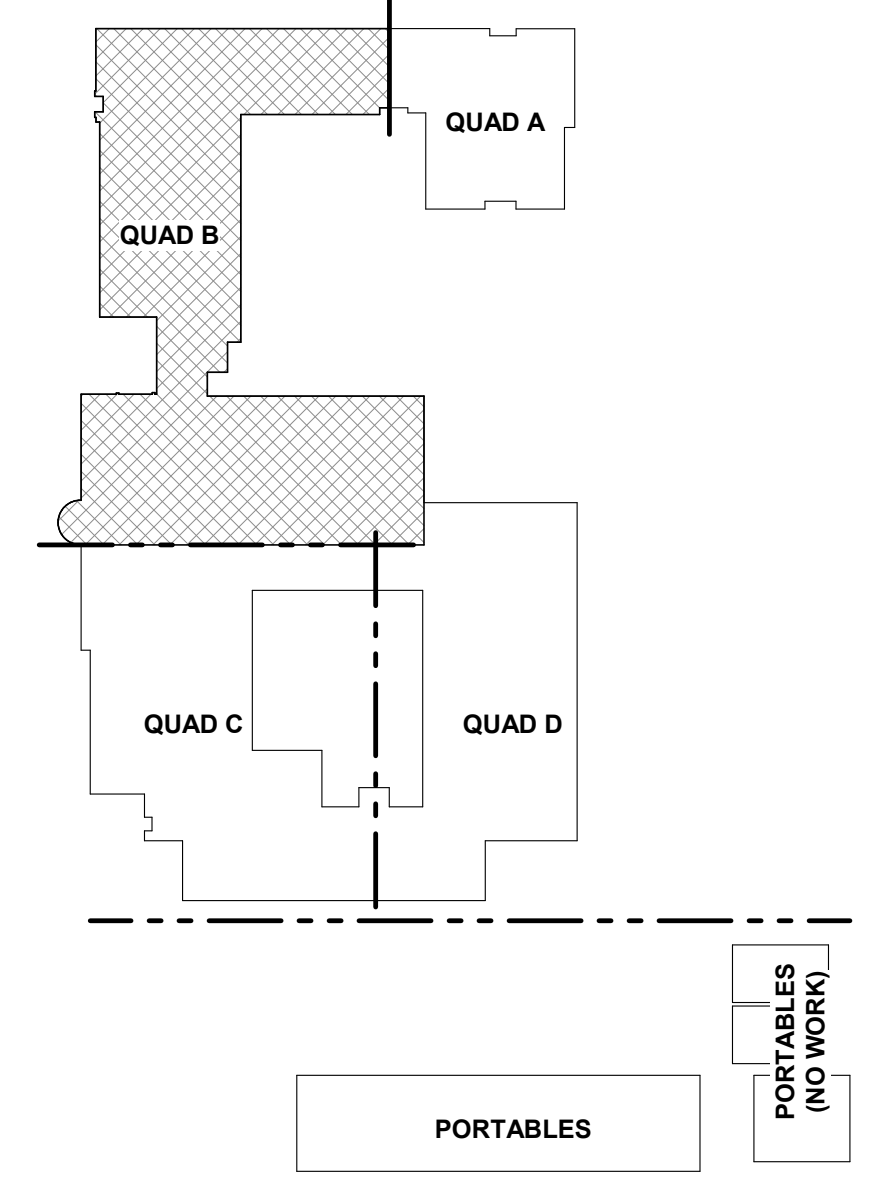
NEW FLOOR PLAN KEYNOTES

- 1 (E) MARKERBOARD
- 2 (N) TACKABLE WALL PANELS, TYP.
- 3 (N) LVT FLOORING, REFER TO SPEC
- 4 (2) (N) TALL CABINETS
- 5 (B) (N) CUBBIES WITH COUNTERTOP
- 6 (E) DOOR AND FRAME, TYP.
- 7 (N) MARKERBOARD, REFER TO SPEC
- 8 (N) 8'-0" H MARKER WALL, REFER TO SPEC
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- 10 (N) 4" TOPSET RUBBER BASE, COLOR TBD
- 11 (E) MANHOLE THROUGH FOUNDATION WALL

GRAPHIC KEY



BUILDING KEY



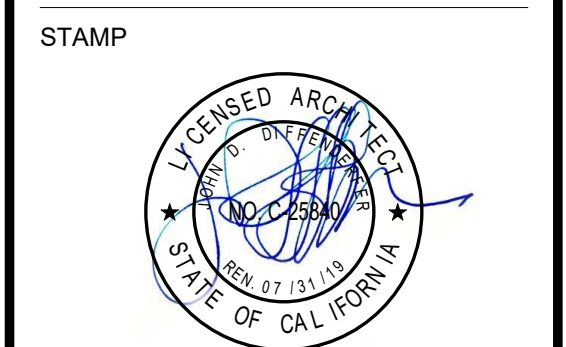
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PROJECT
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CHARTER SCHOOL
MODERNIZATION
2019**

Grass Valley
School District
GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT



STATE
DSA FILE NUMBER **29-11**
APPL # **02-117269**

REVISIONS

No.	Description	Date
1		

MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET
**NEW FLOOR
PLAN - QUAD B**

DATE **04/08/2019**
JOB # **2018044**
SHEET # **A3.21**

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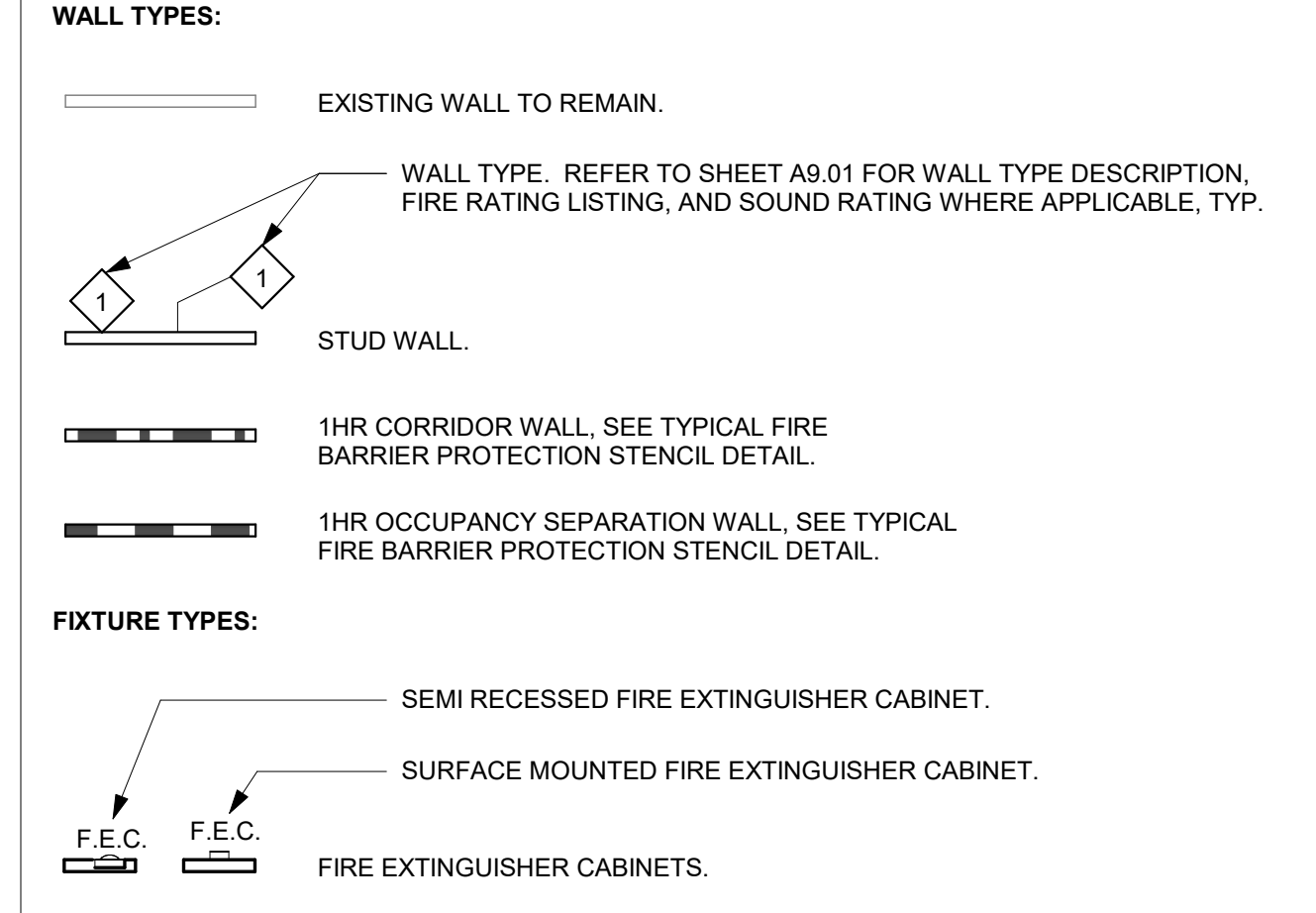
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- C REFER TO WALL TYPES FOR ALL FRAMING AND STRUCTURAL MEMBER SIZES.
- D PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
- E ALL EXTERIOR STUD WALLS SHALL HAVE MIN. R-21 FOIL BACKED INSULATION WHERE FINISHES HAVE BEEN REMOVED FOR NEW WORK.
- F ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- G PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS. SEE TYPICAL BACKING AND BLOCKING DETAILS.
- H FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL.
- I WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- J REFER TO WALL TYPE PLANS AND WALL TYPE DETAILS FOR IDENTIFICATION OF ALL WALL TYPES.
- K REFER TO FINISH PLAN AND SCHEDULE FOR IDENTIFICATION OF ALL FINISHES.
- L DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- N PAINT ALL INTERIOR DOORS, FRAMES AND TRIM, TYP.

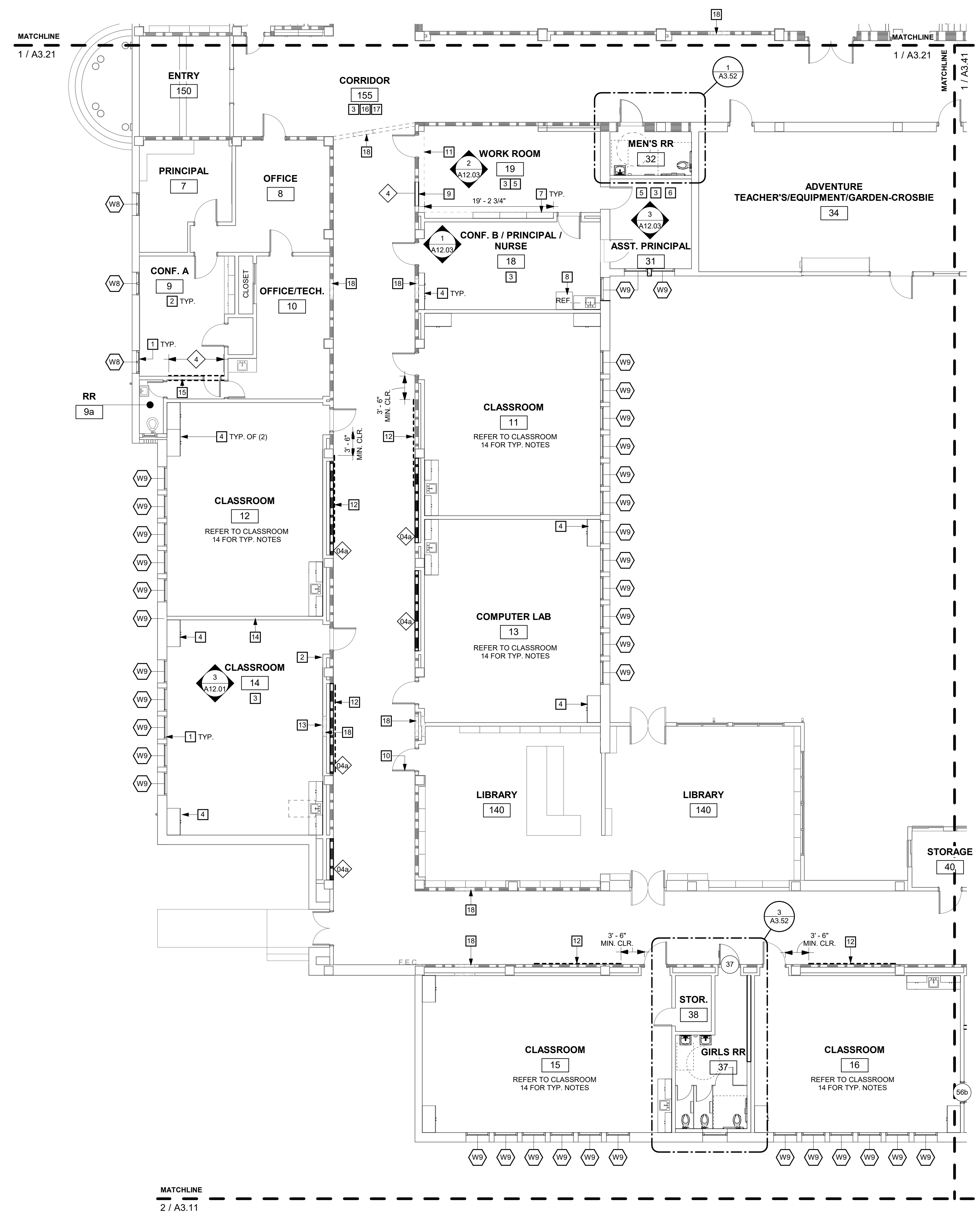
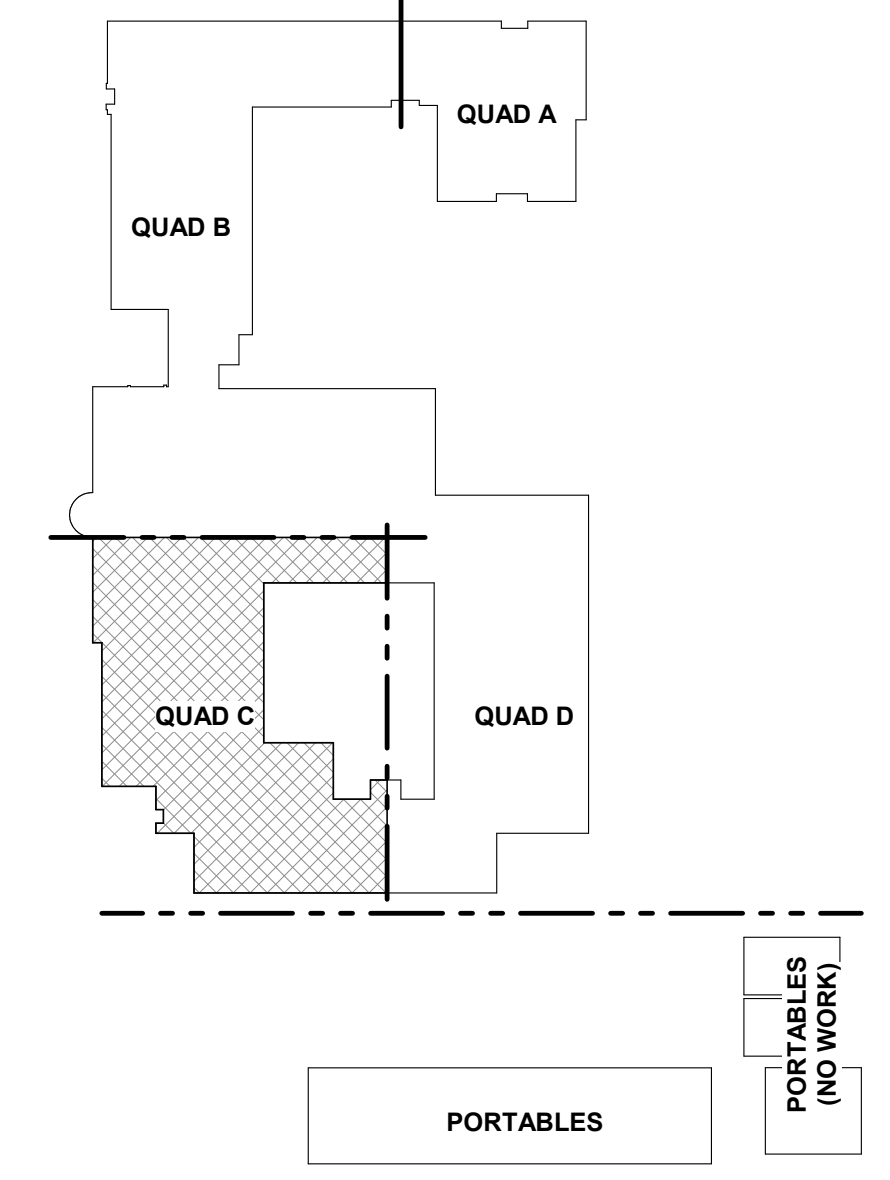
NEW FLOOR PLAN KEYNOTES

- 1 INSTALL (N) WINDOW, REFER TO WINDOW TYPES FOR MORE INFORMATION
- 2 (N) TACKABLE WALL PANELS, TYP.
- 3 (N) LVT FLOORING, REFER TO SPEC
- 4 (N) CABINET
- 5 (N) PAINT, MATCH (E); VERIFY WITH OWNER
- 6 (N) CEILING TILE, INSTALL ON (E) GRID CEILING; REPAIR/REPLACE ELEMENTS AS NEEDED
- 7 (N) SHELVES
- 8 (N) LOCATION OF (E) REFRIGERATOR
- 9 INFILL (E) DOOR; MATCH ADJACENT WALL ASSEMBLY, REFER TO WALL TYPES FOR MORE INFORMATION
- 10 (E) DOOR AND FRAME, TYP.
- 11 (E) SORFIT ABOVE
- 12 (N) HANGSAFE HOOKS, SEE DETAIL 18A/11.01
- 13 (N) MARKERBOARD, REFER TO SPEC
- 14 (N) 8'-0" MARKER WALL, REFER TO SPEC
- 15 INFILL (E) WALL OPENING ABOVE TO UNDERSIDE OF (E) CEILING, MATCH (E) FRAMING AND FINISH OF ADJ. WALL, REFER TO WALL TYPES FOR MORE INFORMATION
- 16 PAINT (E) WALLS & TRIM IN CORRIDOR, TYP.
- 17 (N) 4" TOPSET RUBBER BASE, COLOR TBD
- 18 (E) MANHOLE THROUGH FOUNDATION WALL

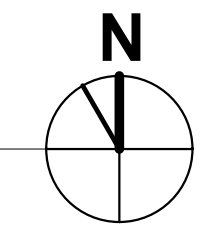
GRAPHIC KEY



BUILDING KEY



1 FIRST FLOOR - QUAD C
 SCALE: 1/8" = 1'-0"



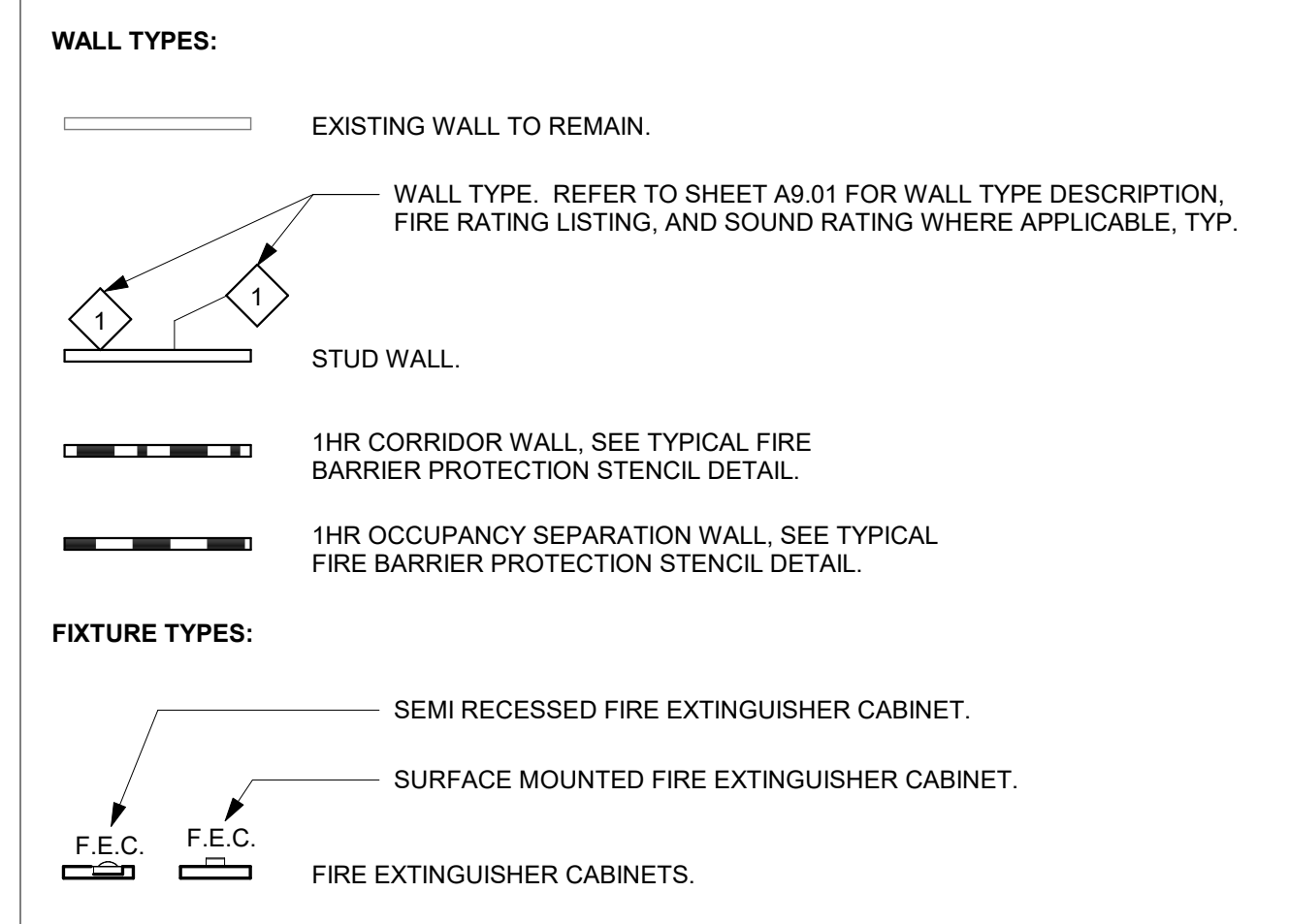
GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
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- D PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
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- N PAINT ALL INTERIOR DOORS, FRAMES AND TRIM, TYP.

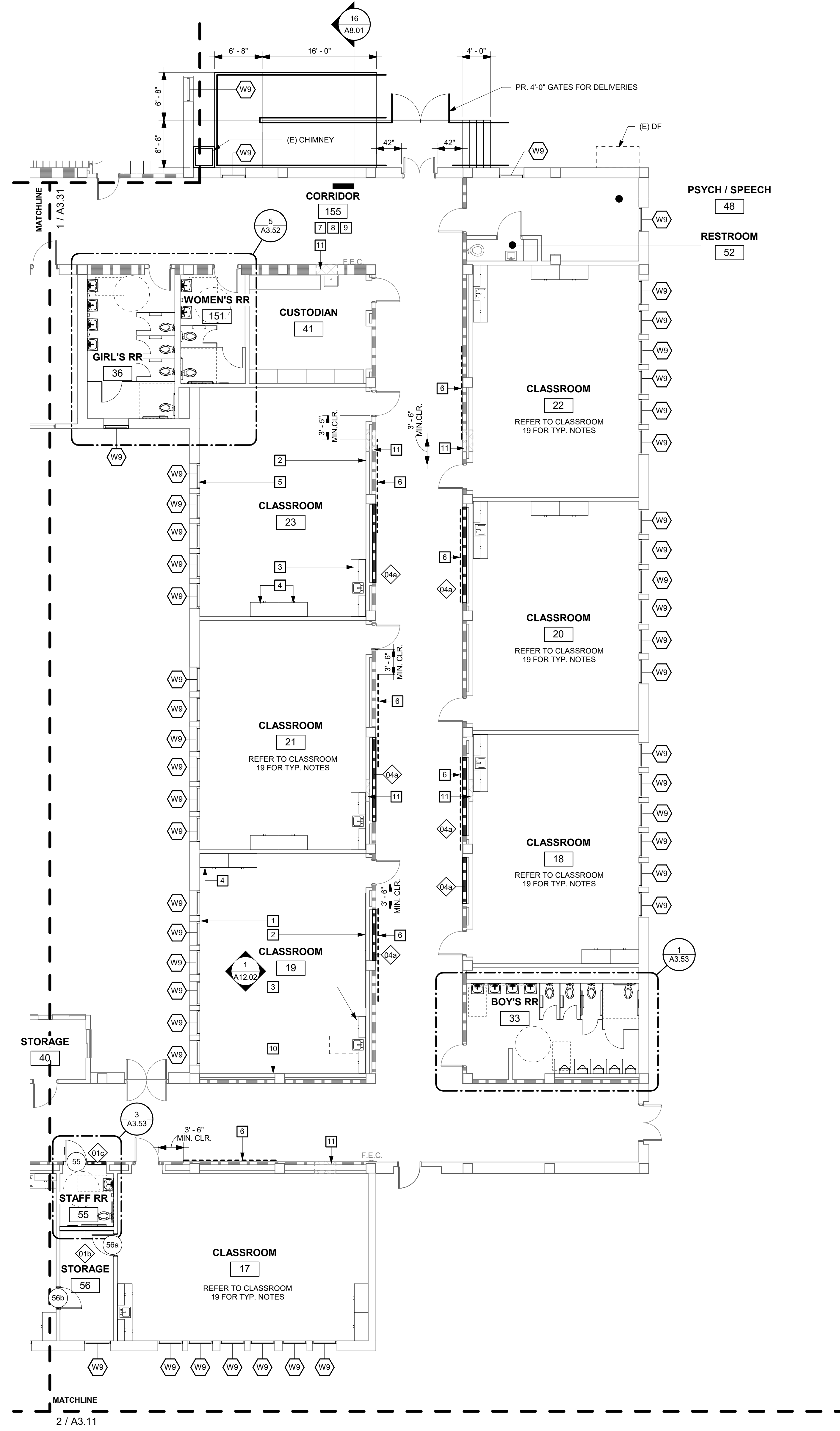
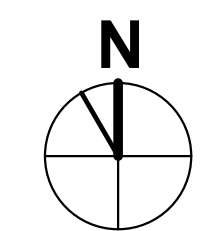
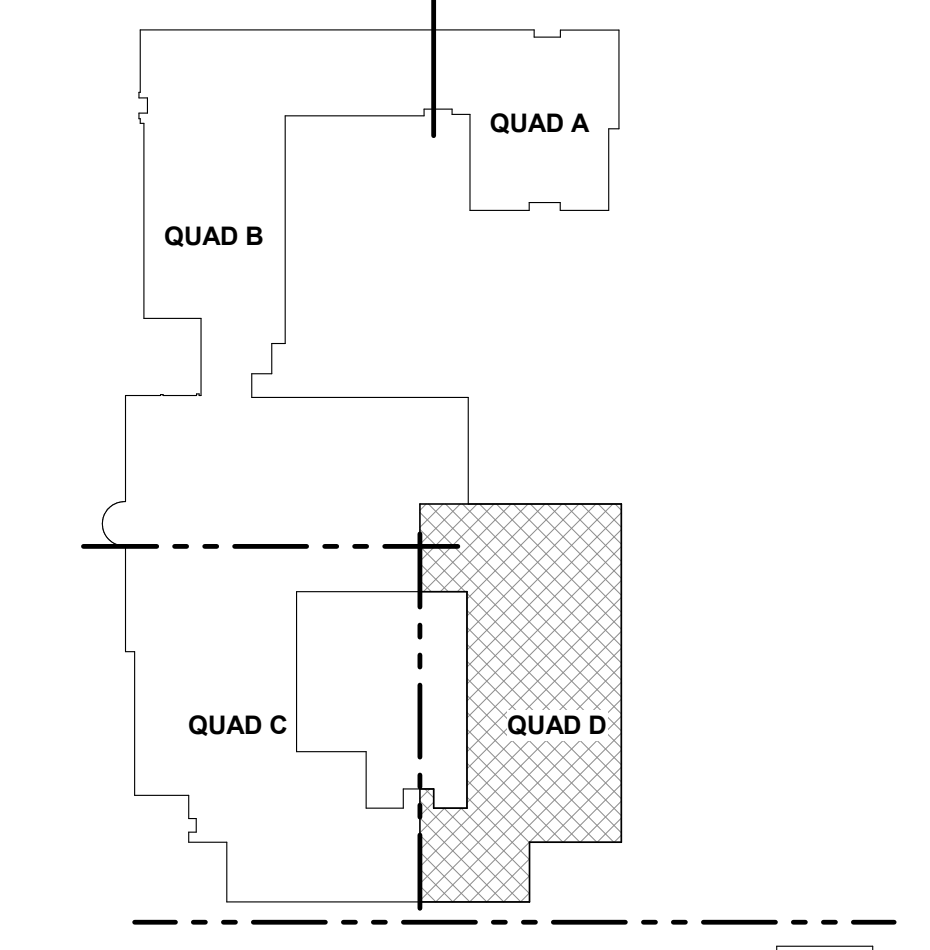
NEW FLOOR PLAN KEYNOTES

- 1 DEMO (E) CABINET AND REPLACE WITH (N)
- 2 DEMO (E) TACKABLE WALL PANELS TO SUBSTRATE AND PREP FOR INSTALLATION OF NEW TACKABLE WALL PANELS
- 3 RESURFACE (E) PLASTIC LAMINATE CASEWORK AND COUNTERTOPS, TYP.
- 4 (2) (N) TALL CABINETS
- 5 INSTALL (N) WINDOW, REFER TO WINDOW TYPES FOR MORE INFORMATION
- 6 (N) HANGSAFE HOOKS, SEE DETAIL, 18/A11.01
- 7 (N) LVT FLOORING, REFER TO SPEC
- 8 (N) 4" TOPSET RUBBER BASE, COLOR TBD
- 9 PAINT (E) WALLS & TRIM IN CORRIDOR, TYP.
- 10 (N) 8'-0" MARKER WALL, REFER TO SPEC
- 11 (E) MANHOLE THROUGH FOUNDATION WALL

GRAPHIC KEY



BUILDING KEY



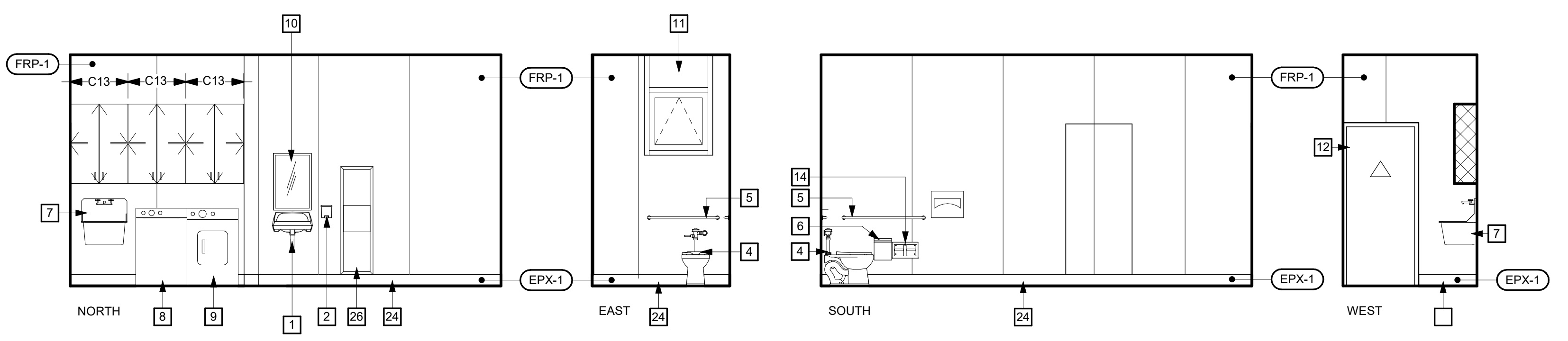
1 FIRST FLOOR - QUAD D
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

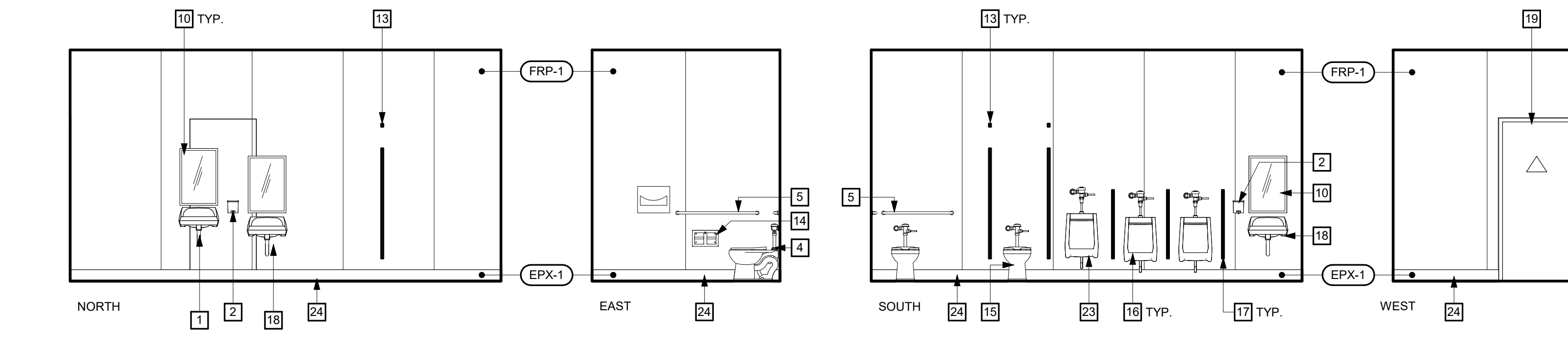
- A REFER TO FINISH SCHEDULE FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS.
- B PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
- C ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- D PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS; REFER TO DETAILS 4 & 5/A9.01.
- E FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL.
- F WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- G PAINT ALL (E) DOORS AND FRAMES

ENLARGED PLAN KEYNOTES

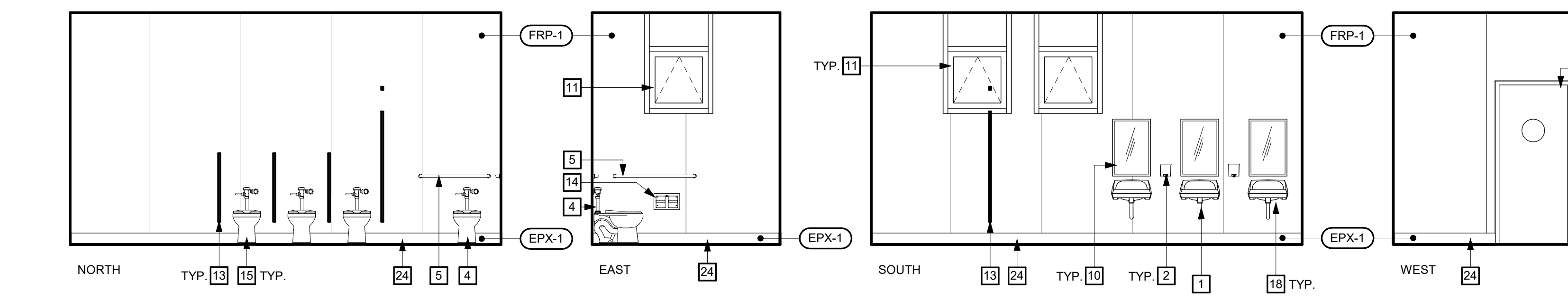
- 1 (N) D.A. LAVATORY, REFER TO PLUMBING DWGS.
- 2 (N) SOAP DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 3 (N) SURFACE MOUNTED SEAT COVER DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 4 (N) D.A. FLOOR MOUNTED WATER CLOSET, SEE PLUMBING DWGS
- 5 (N) GRAB BARS, 36" AT BACK WALL & 42" AT SIDE WALL, SEE DETAIL 18/A11.10 FOR ANCHORAGE, REFER TO SPEC.
- 6 (N) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 7 (N) SERVICE SINK, REFER TO PLUMBING DWGS.
- 8 WASHER, OFCI
- 9 DRYER, OFCI
- 10 (N) 20"X36" MIRROR, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 11 INSTALL (N) WINDOW, REFER TO WINDOW TYPES FOR MORE INFORMATION
- 12 (E) DOOR AND FRAME, TYP.
- 13 (N) TOILET PARTITION, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 14 (N) SEMI-RECESSED D.A. TOILET PAPER DISPENSER, SEE DETAIL 13/A11.01 FOR MOUNTING
- 15 (N) FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING DWGS.
- 16 (N) URINAL, REFER TO PLUMBING DWGS.
- 17 (N) URINAL SCREEN, TYP.; REFER TO SPEC
- 18 (N) LAVATORY, REFER TO PLUMBING DWGS.
- 19 (N) DOOR, MATCH (E), VERIFY WITH OWNER
- 20 (N) SURFACE MOUNTED TOILET PAPER DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 21 (N) TOILET PAPER DISPENSER, TYP.; REFER TO SPEC
- 22 (N) UPPER CABINET
- 23 (N) D.A. URINAL, REFER TO PLUMBING DWGS.
- 24 (N) 6" INTEGRAL COVE BASE
- 25 (N) EPOXY FLOORING, REFER TO SPEC
- 26 (N) PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, TYP.; REFER TO SPEC
- 27 (E) DRINKING FOUNTAIN TO REMAIN, PROTECT DURING CONSTRUCTION
- 28 (N) GRAB BARS AT SEMI-AMBULATORY STALL, 42" AT SIDE WALL, SEE DETAIL 18/A11.10 FOR ANCHORAGE; REFER TO SPEC



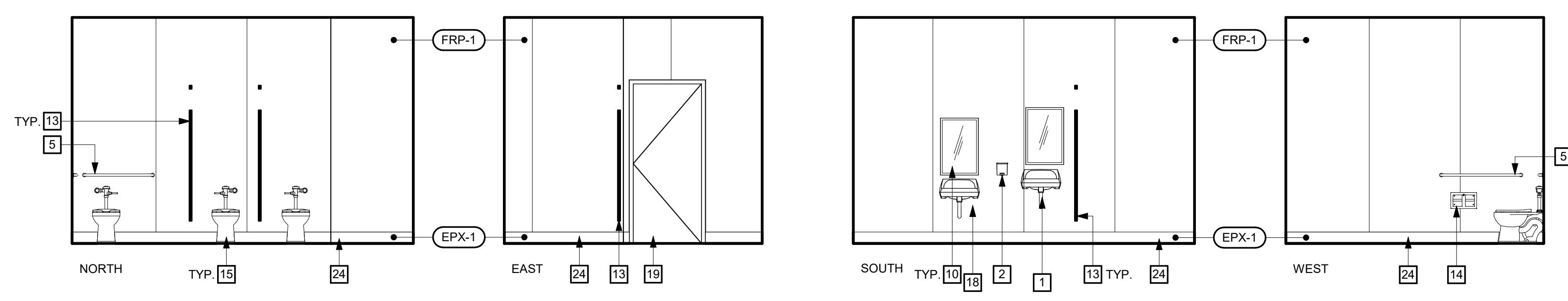
2 57 - STAFF RR
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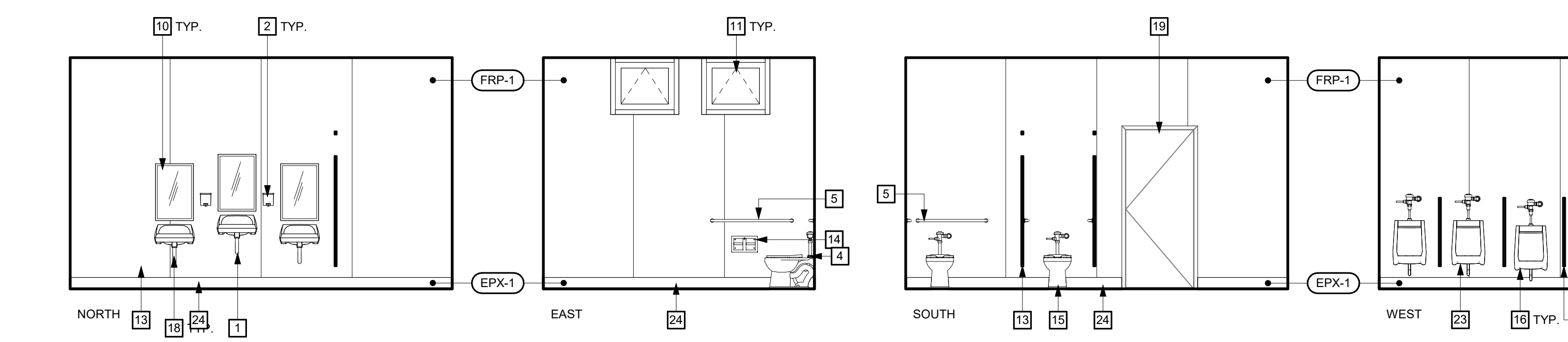
3 42 - BOY'S RR
 SCALE: 1/4" = 1'-0"



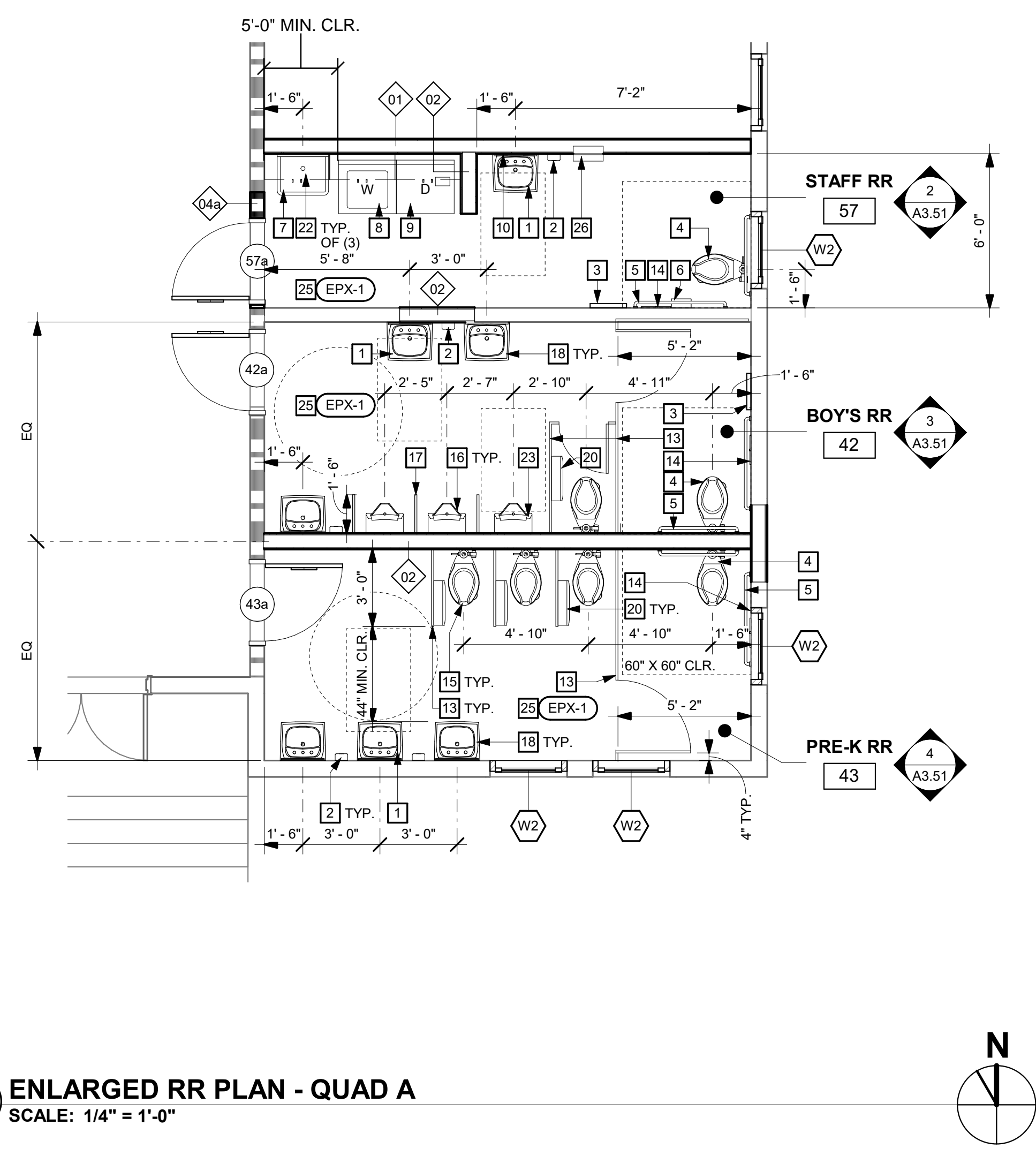
4 43 - PRE-K
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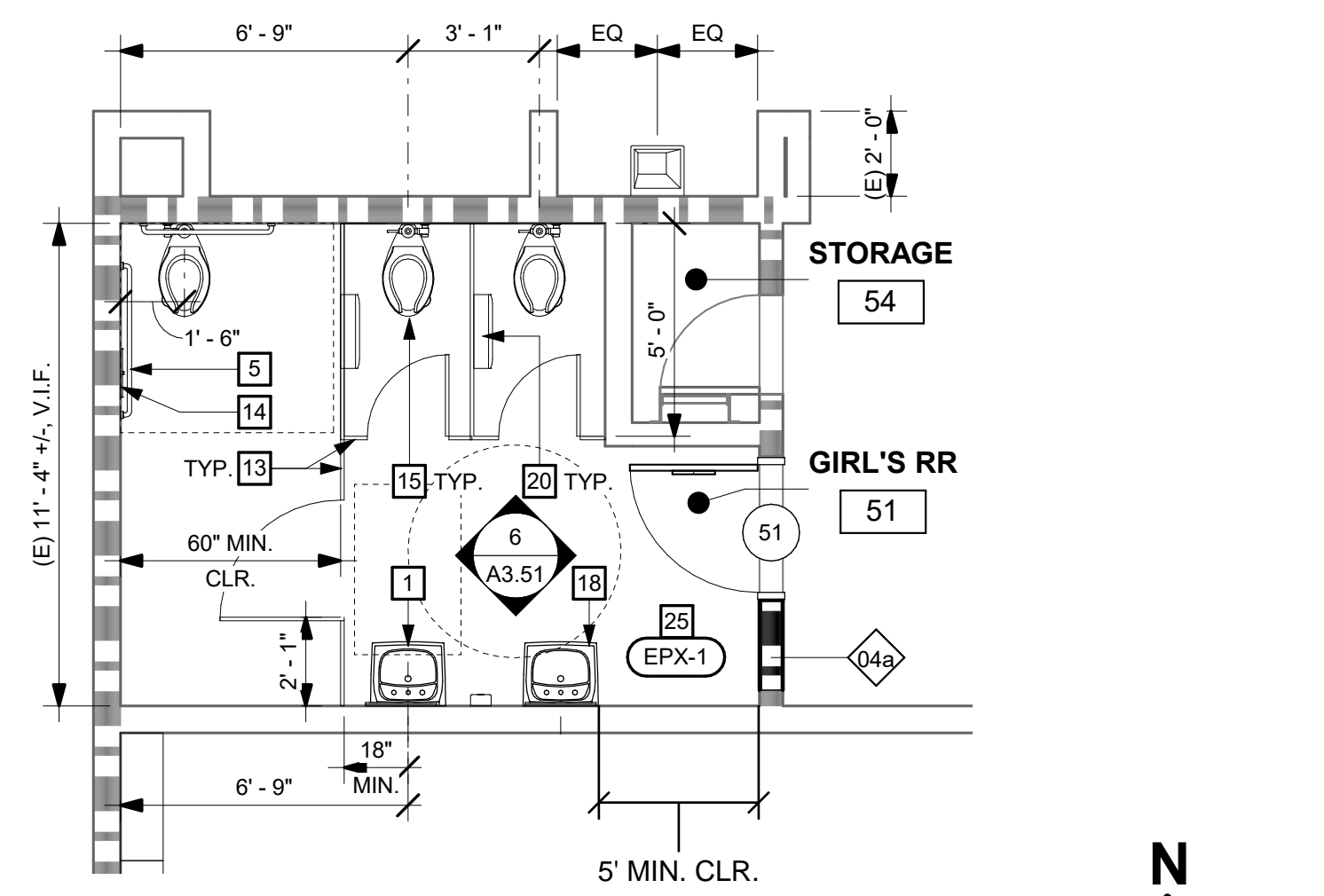
6 GIRL'S RR 51
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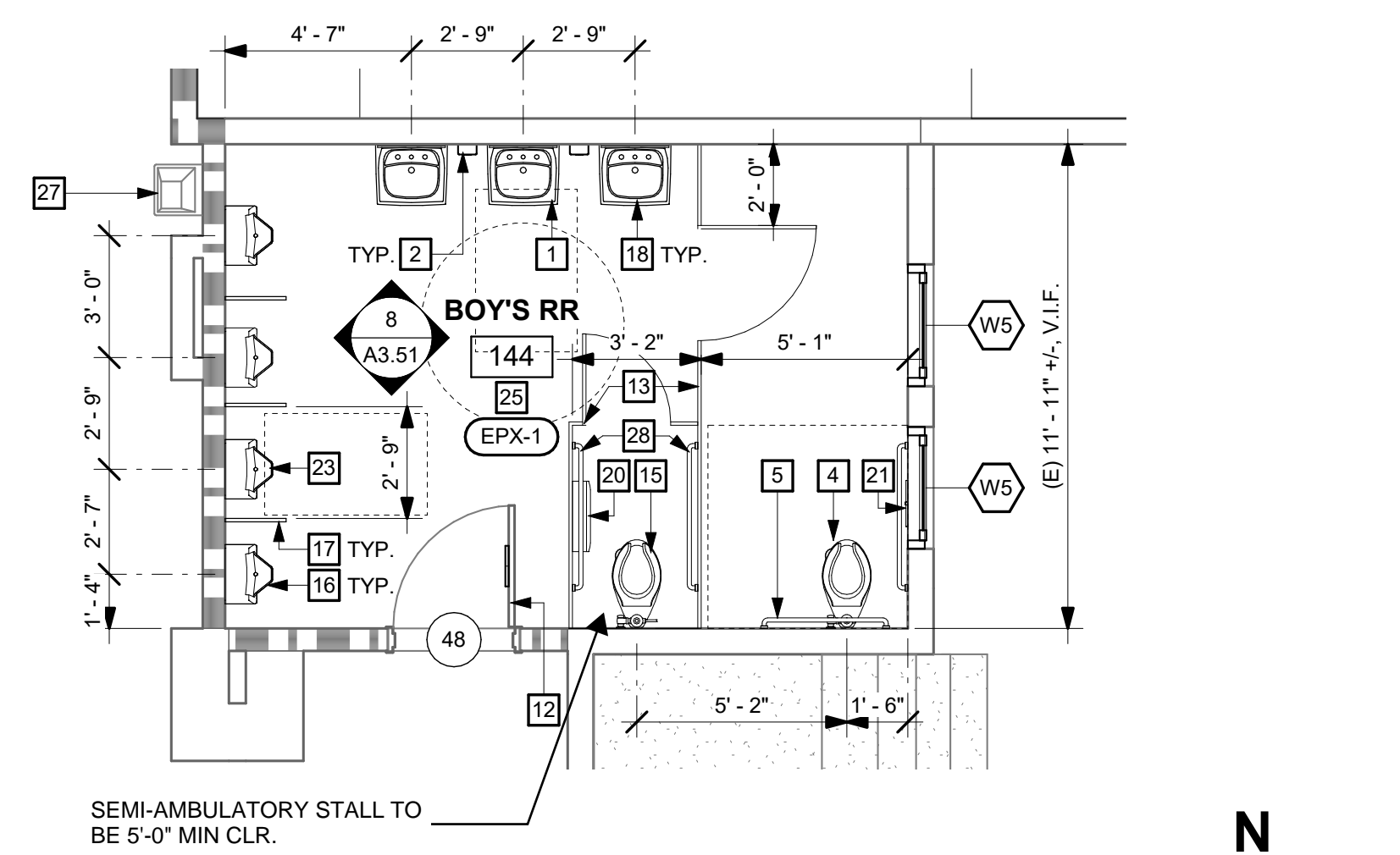
8 BOY'S RR 144
 SCALE: 1/4" = 1'-0"



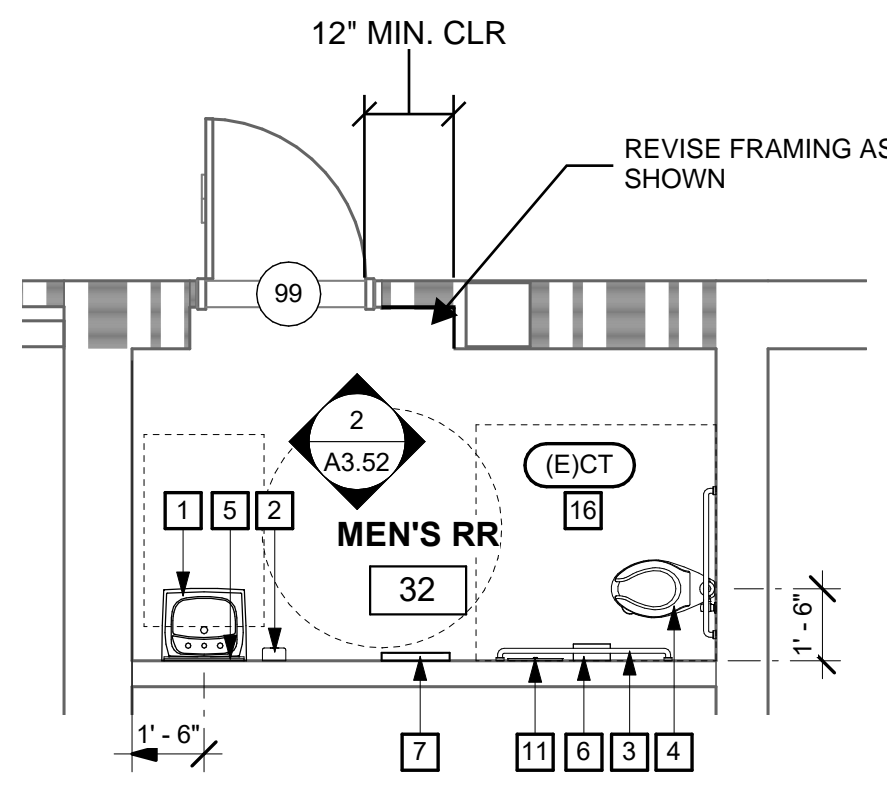
1 ENLARGED RR PLAN - QUAD A
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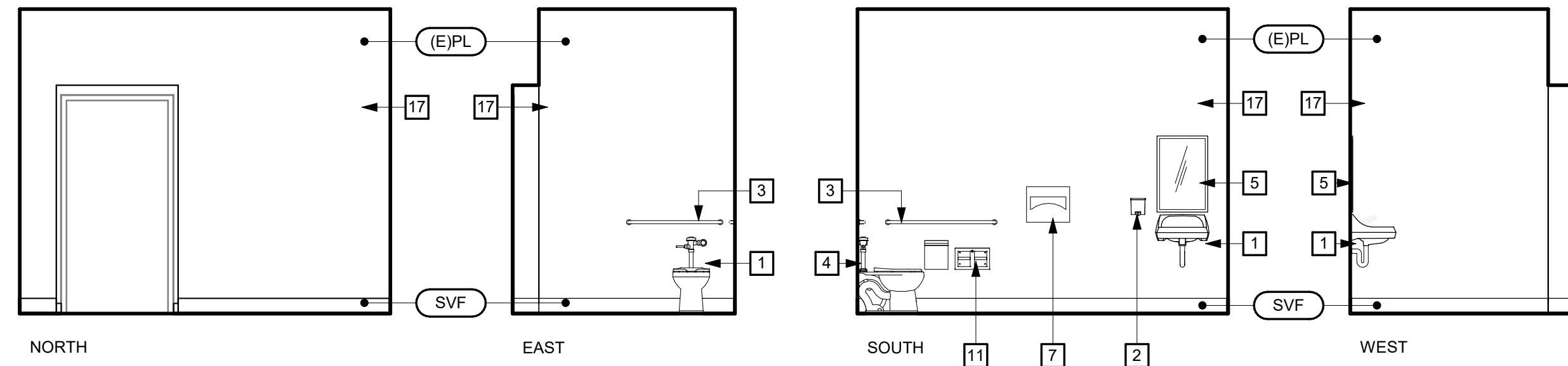
5 ENLARGED RR PLAN - QUAD B - GIRL'S RR 51
 SCALE: 1/4" = 1'-0"



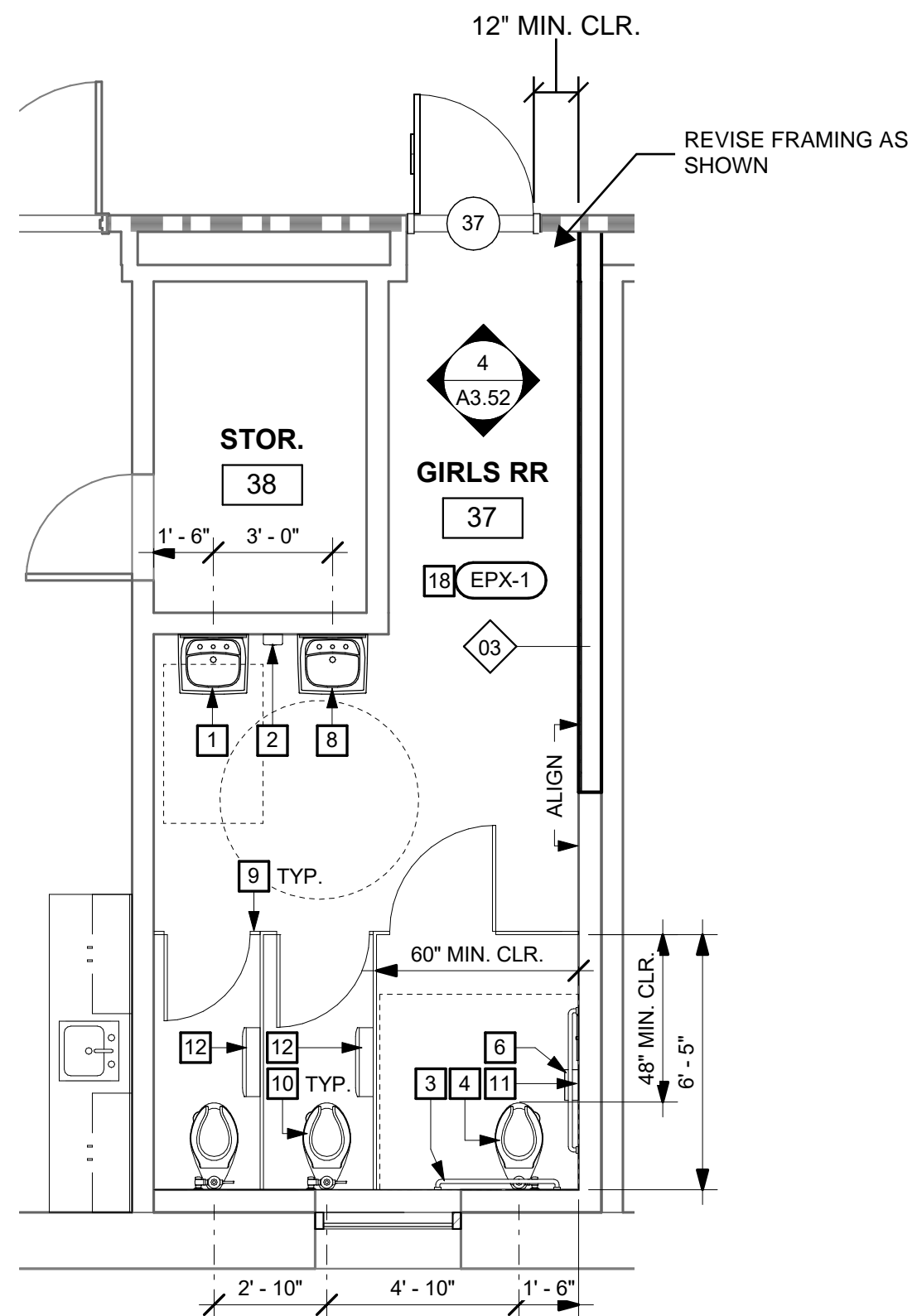
7 ENLARGED RR PLAN - QUAD B - BOY'S RR 144
 SCALE: 1/4" = 1'-0"



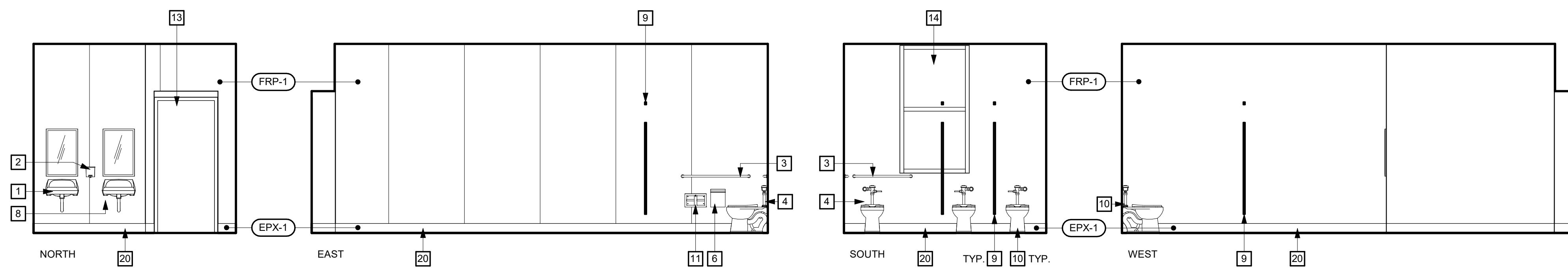
1 ENLARGED RR PLAN - QUAD C - MEN'S RR 32
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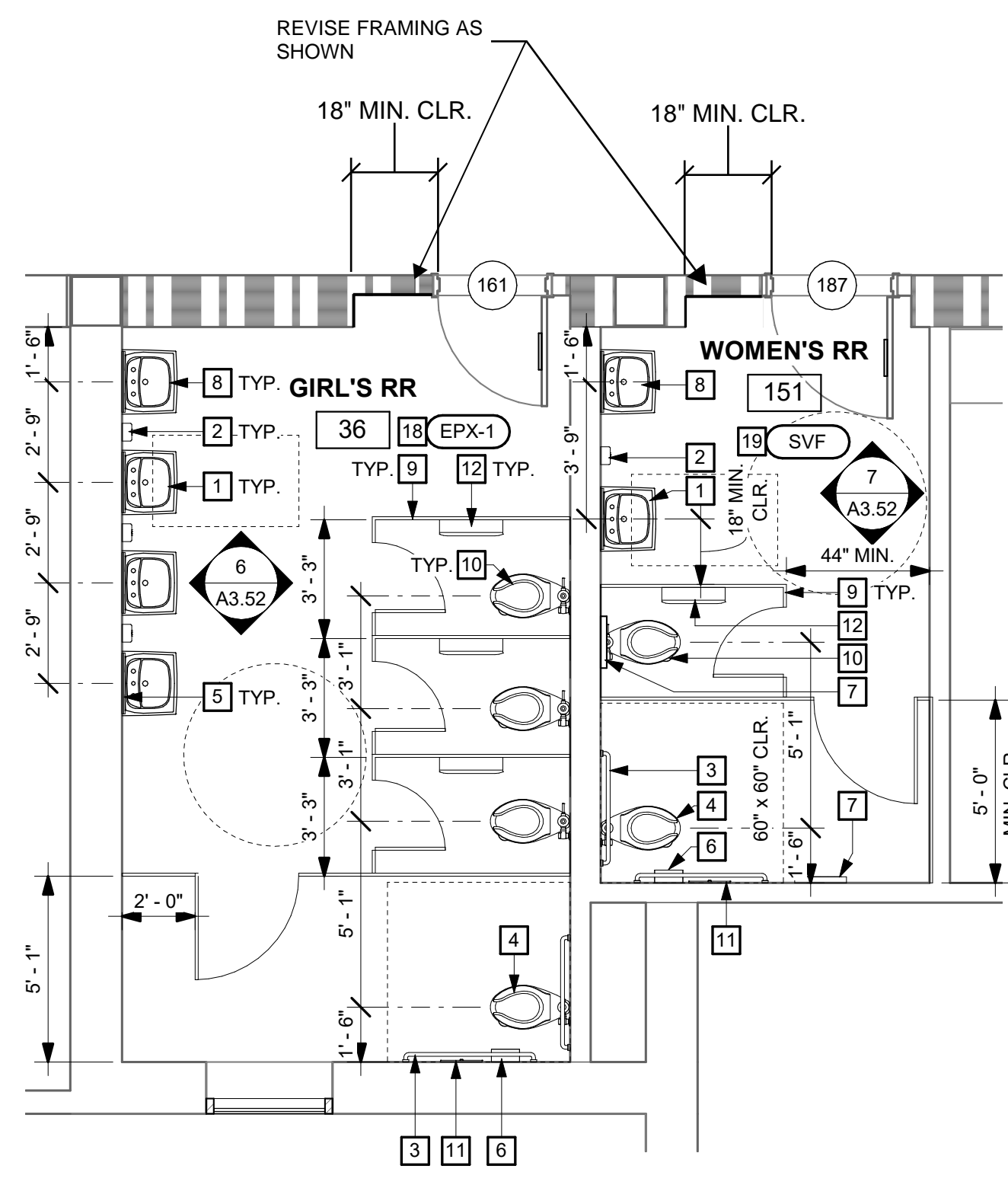
2 STAFF RR 32
SCALE: 1/4" = 1'-0"



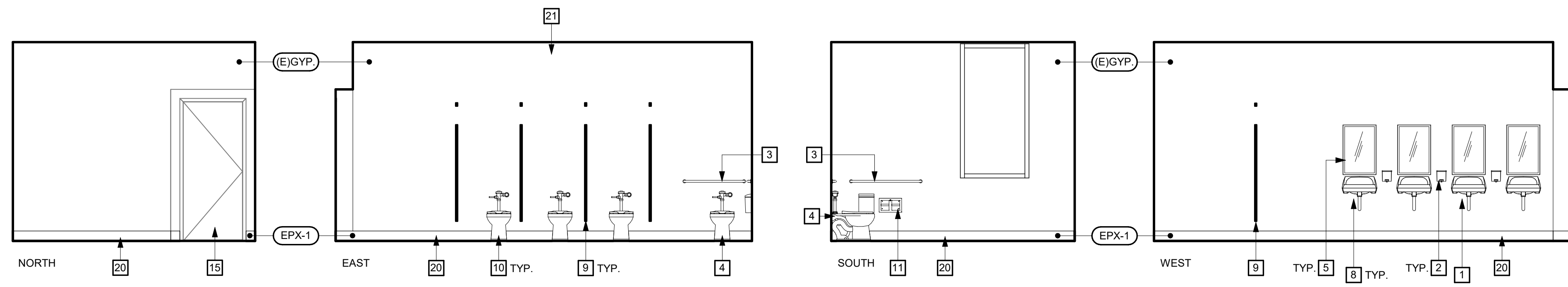
3 ENLARGED RR PLAN - QUAD C - GIRL'S RR 37
SCALE: 1/4" = 1'-0"



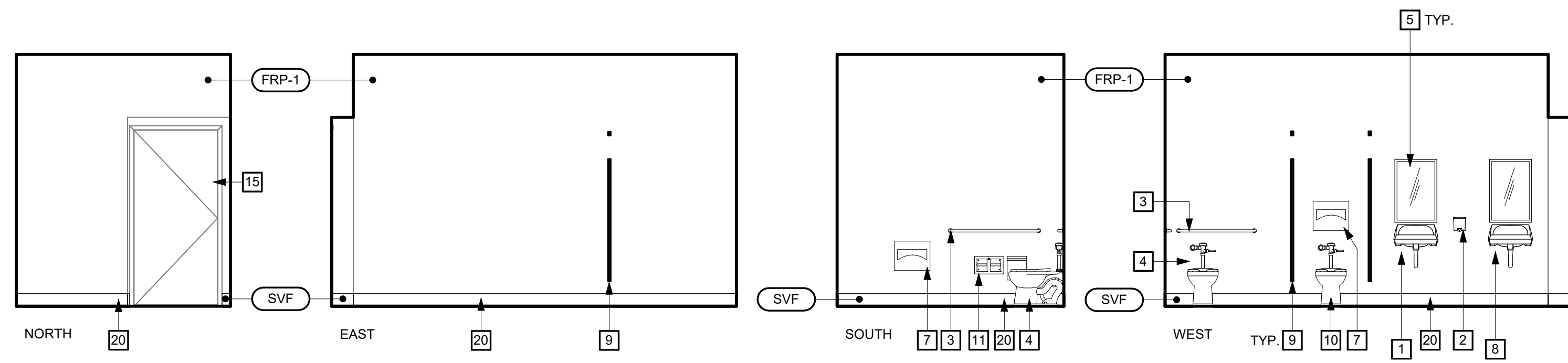
4 37 - GIRL'S RR - NORTH
SCALE: 1/4" = 1'-0"



5 ENLARGED RR PLAN - QUAD D - GIRL'S RR 36 & STAFF RR 151
SCALE: 1/4" = 1'-0"



6 36 - GIRL'S RR
SCALE: 1/4" = 1'-0"



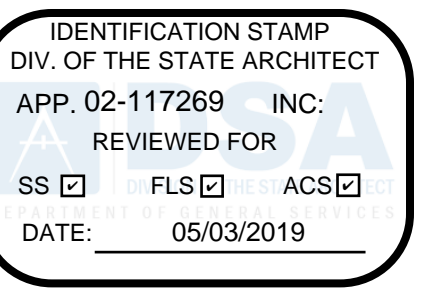
7 151 - STAFF RR
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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- G PAINT ALL (E) DOORS AND FRAMES

ENLARGED PLAN KEYNOTES

- 1 (N) D.A. LAVATORY, REFER TO PLUMBING DWGS.
- 2 (N) SOAP DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 3 (N) GRAB BARS, 36" AT BACK WALL & 42" AT SIDE WALL, SEE DETAIL 18/A11.10 FOR ANCHORAGE; REFER TO SPEC
- 4 (N) D.A. FLOOR MOUNTED WATER CLOSET, SEE PLUMBING DWGS
- 5 (N) 20"X36" MIRROR; REFER TO DETAIL, 13/A11.01 FOR MOUNTING
- 6 (N) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, REFER TO DETAIL, 13/A11.01 FOR MOUNTING
- 7 (N) SURFACE MOUNTED SEAT COVER DISPENSER, REFER TO DETAIL, 13/A11.01 FOR MOUNTING
- 8 (N) LAVATORY, REFER TO PLUMBING DWGS.
- 9 (N) TOILET PARTITION, REFER TO DETAIL, 15/A11.01 FOR MOUNTING
- 10 (N) FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING DWGS.
- 11 (N) SEMI-RECESSED D.A. TOILET PAPER DISPENSER, SEE DETAIL 13/A11.01 FOR MOUNTING
- 12 (N) SURFACE MOUNTED TOILET PAPER DISPENSER, REFER TO DETAIL, 13/A11.01 FOR MOUNTING
- 13 (N) DOOR, MATCH (E), VERIFY WITH OWNER
- 14 INSTALL (N) WINDOW, REFER TO WINDOW TYPES FOR MORE INFORMATION
- 15 (E) DOOR AND FRAME, TYP.
- 16 PATCH AND REPAIR (E) FLOORING AS REQUIRED FOR NEW WORK
- 17 PATCH AND REPAIR (E) PLASTER WALL FINISHES AS REQUIRED FOR NEW WORK
- 18 (N) EPOXY FLOORING, REFER TO SPEC
- 19 (N) SHEET VINYL FLOORING, REFER TO SPEC
- 20 (N) 6" INTEGRAL COVE BASE
- 21 CUT AND PATCH WALL FINISH AS REQUIRED FOR NEW WORK



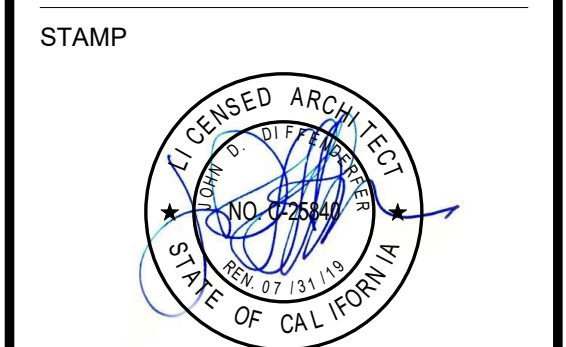
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387 S. 1st Street, Suite 300
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tel: (408)-300-5100
fax: (408)-300-5121

PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT

CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No.	Description	Date
1		

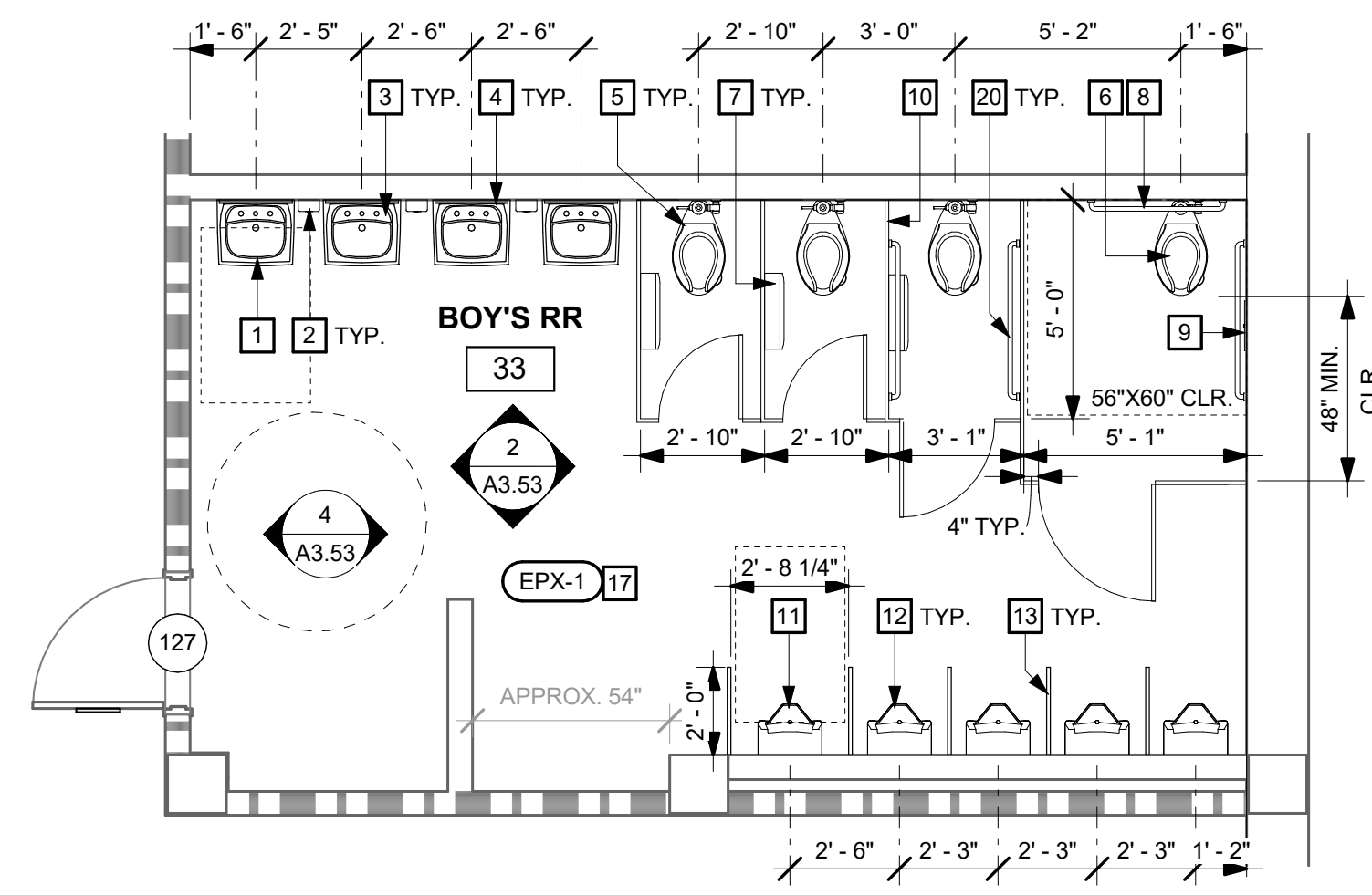
MILESTONES
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90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET
ENLARGED RESTROOM PLANS & ELEVATIONS

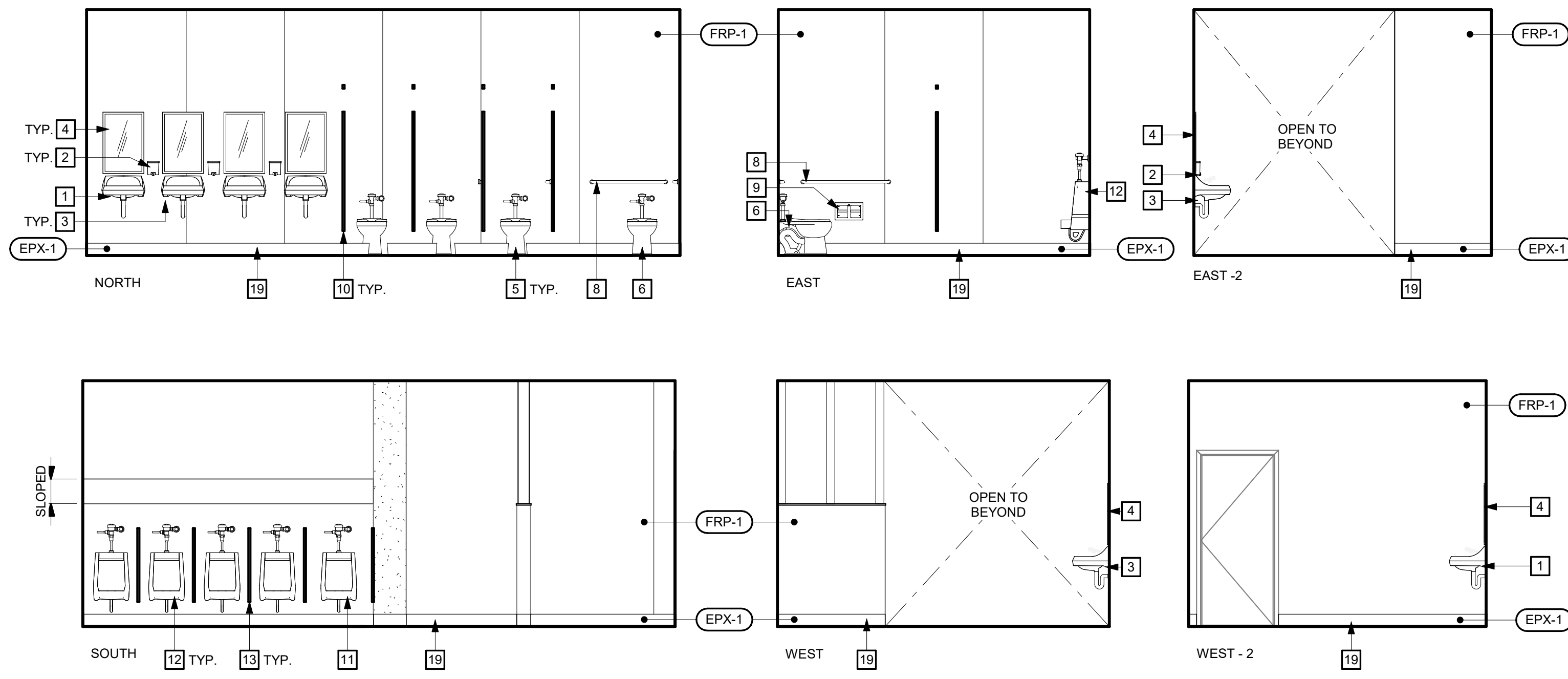
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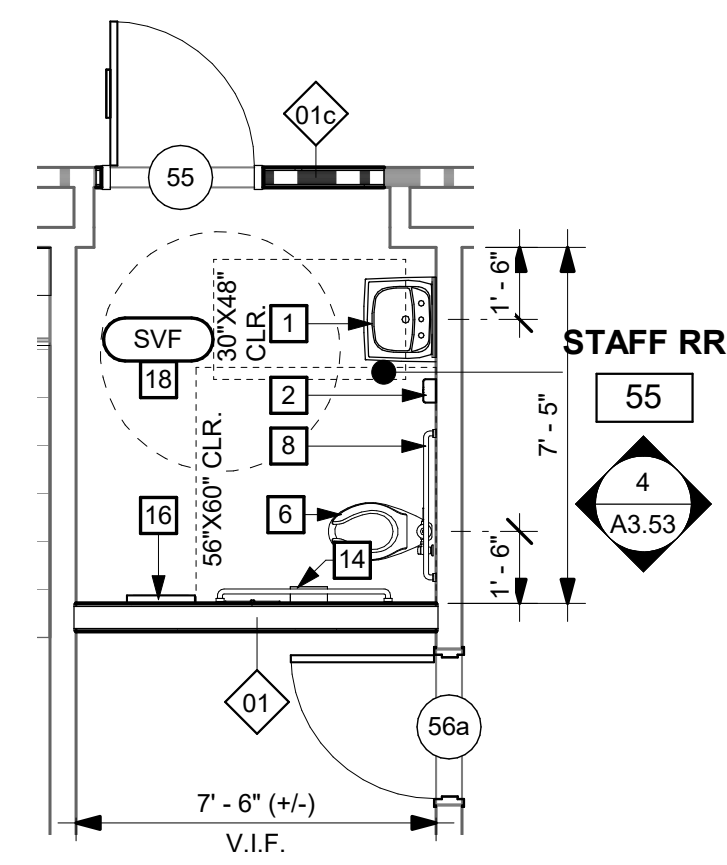
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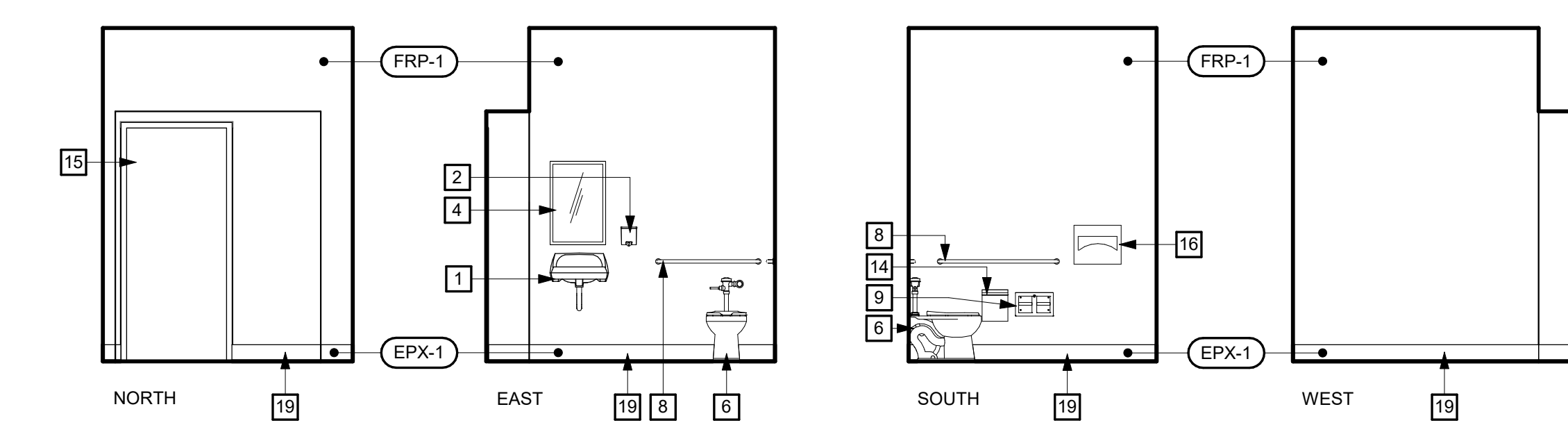
1 ENLARGED RR PLAN - QUAD D - BOY'S RR 33
SCALE: 1/4" = 1'-0"



2 33 - BOY'S RR - NORTH
SCALE: 1/4" = 1'-0"



3 ENLARGED RR PLAN - QUAD D - STAFF RR 55
SCALE: 1/4" = 1'-0"



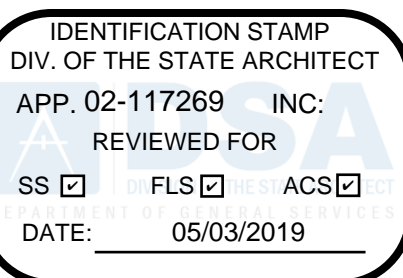
4 55 - STAFF RR
SCALE: 1/4" = 1'-0"

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- B PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
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ENLARGED PLAN KEYNOTES

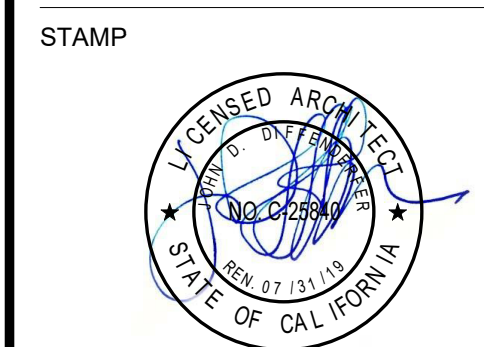
- 1 (N) D.A. LAVATORY, REFER TO PLUMBING DWGS.
- 2 (N) SOAP DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 3 (N) LAVATORY, REFER TO PLUMBING DWGS.
- 4 (N) 20"X36" MIRROR; REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 5 (N) FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING DWGS.
- 6 (N) D.A. FLOOR MOUNTED WATER CLOSET, SEE PLUMBING DWGS
- 7 (N) SURFACE MOUNTED TOILET PAPER DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 8 (N) GRAB BARS, 36" AT BACK WALL & 42" AT SIDE WALL, SEE DETAIL 18/A11.10 FOR ANCHORAGE; REFER TO SPEC
- 9 (N) SEMI-RECESSED D.A. TOILET PAPER DISPENSER, SEE DETAIL 13/A11.01 FOR MOUNTING
- 10 (N) TOILET PARTITION, REFER TO DETAIL 15/A11.01 FOR MOUNTING
- 11 (N) D.A. URINAL, REFER TO PLUMBING DWGS.
- 12 (N) URINAL, REFER TO PLUMBING DWGS.
- 13 (N) URINAL SCREEN, TYP.; REFER TO SPEC.
- 14 (N) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 15 (N) DOOR, MATCH (E), VERIFY WITH OWNER
- 16 (N) SURFACE MOUNTED SEAT COVER DISPENSER, REFER TO DETAIL 13/A11.01 FOR MOUNTING
- 17 (N) EPOXY FLOORING, REFER TO SPEC
- 18 (N) SHEET VINYL FLOORING, REFER TO SPEC
- 19 (N) 6" INTEGRAL COVE BASE
- 20 (N) GRAB BARS AT SEMI-AMBULATORY STALL, 42" AT SIDE WALL, SEE DETAIL 18/A11.10 FOR ANCHORAGE; REFER TO SPEC



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architects

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GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

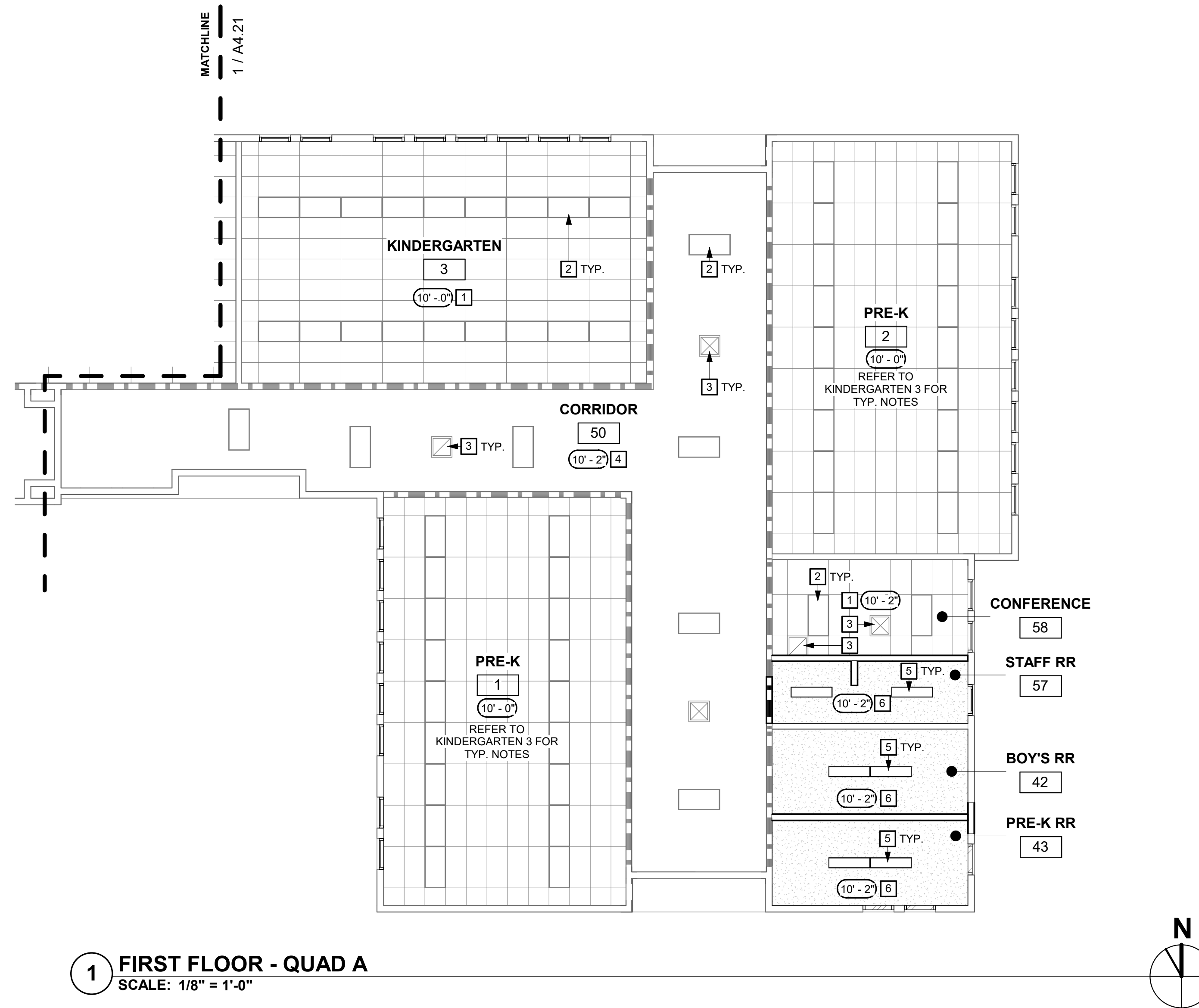
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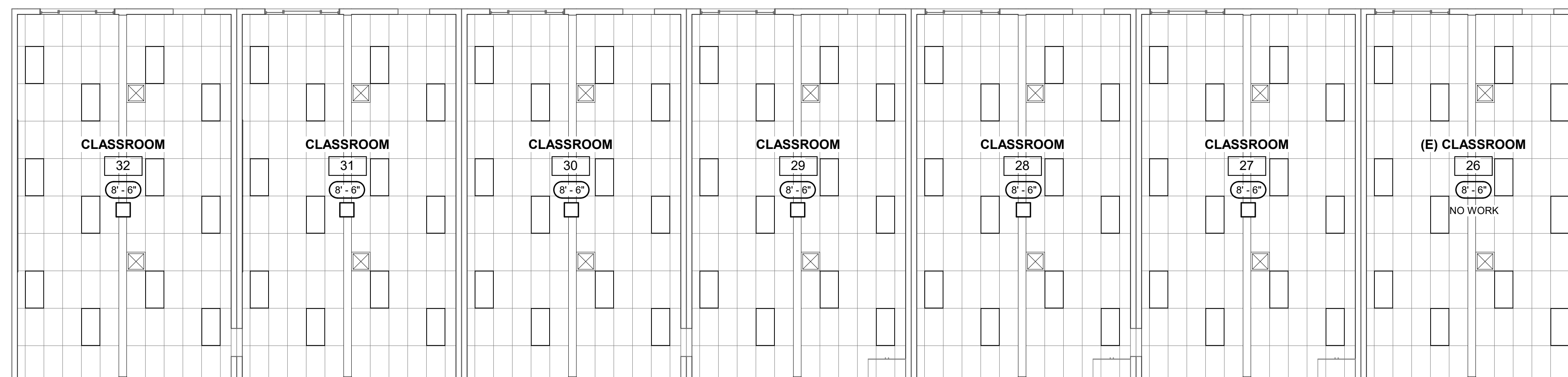
SHEET
ENLARGED RESTROOM PLANS & ELEVATIONS

DATE 04/08/2019
JOB # 2018044
SHEET # **A3.53**



1 FIRST FLOOR - QUAD A
SCALE: 1/8" = 1'-0"

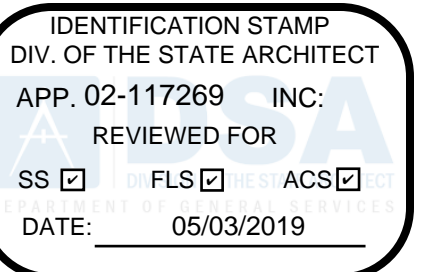
MATCHLINE
1 / A4.41



2 FIRST FLOOR - PORTABLES
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- C REFER TO FINISH SCHEDULE ON SHEET A11.01 FOR CEILING FINISHES NOT SHOWN.
- D PROVIDE NEW CEILING TILE MATCHING ADJACENT TILES WHERE EXISTING LIGHTS, SPEAKERS OR OTHER EQUIPMENT WERE REMOVED.



aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

PROJECT

GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019



Grass Valley
School District

GRASS VALLEY SCHOOL
DISTRICT

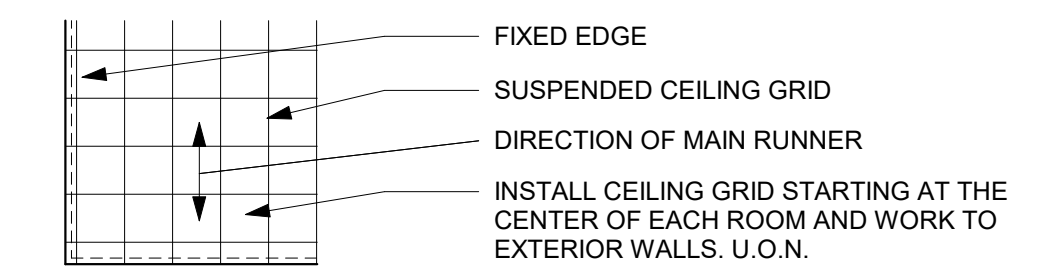
CONSULTANT

REFLECTED CEILING PLAN KEYNOTES

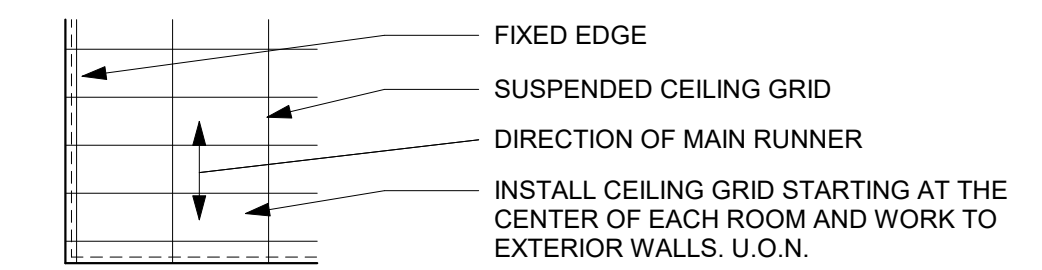
- 1 (E) T-BAR CEILING TO REMAIN. PAINT GRID, REINSTALL INSULATION, AND PROVIDE AND INSTALL NEW PANELS
- 2 (E) LIGHT FIXTURE TO REMAIN; PROTECT DURING CONSTRUCTION
- 3 (E) MECHANICAL VENT TO REMAIN; PROTECT DURING CONSTRUCTION AND PAINT
- 4 (E) PLASTER/GYP BD. CEILING. PATCH AND REPAIR AS REQ'D AND PAINT
- 5 SURFACE MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DWGS.
- 6 (N) GYP. BD. CEILING; PAINT

GRAPHIC KEY

2'-0" x 2'-0" "T" BAR CEILING SYSTEM



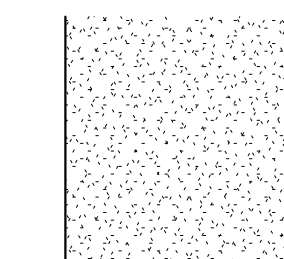
2'-0" x 4'-0" "T" BAR CEILING SYSTEM



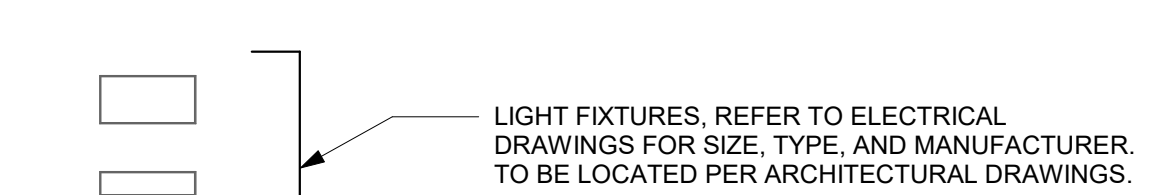
12" x 12" GLUE UP ACCOUSTICAL CEILING TILES



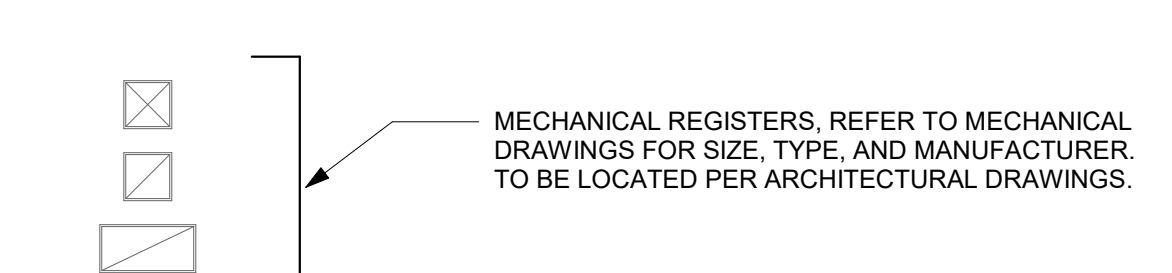
GYPSUM BOARD CEILING OR SOFFIT



ELECTRICAL SYMBOLS



MECHANICAL SYMBOLS



STAMP



STATE

DSA FILE NUMBER 29-11

APPL # 02-117269

REVISIONS

No. Description Date



MILESTONES

SD

DD

50% CD

90% CD

DSA SUB 01/18/2019

DSA BC 05/03/2019

SHEET

**REFLECTED
CEILING PLAN -
QUAD A &
PORTABLES**

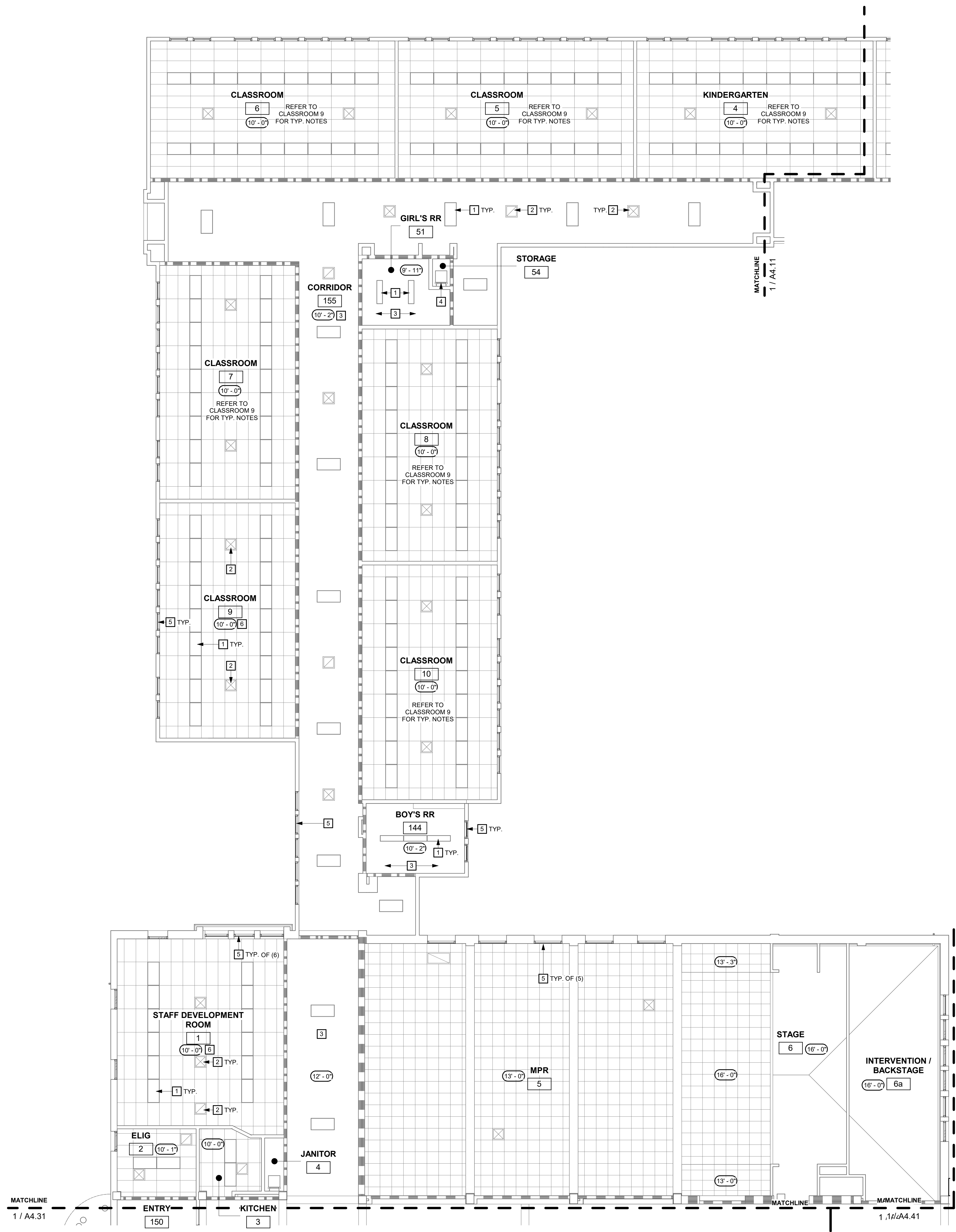
DATE 04/08/2019

JOB # 2018044

SHEET #

A4.11

5/2/2019 8:56:30 AM C:\Users\msachao\Documents\C\VC\modernization (2018 version)_msachao.rvt



1 FIRST FLOOR - QUAD B
SCALE: 1/8" = 1'-0"


GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- C REFER TO FINISH SCHEDULE ON SHEET A11.01 FOR CEILING FINISHES NOT SHOWN.
- D PROVIDE NEW CEILING TILE MATCHING ADJACENT TILES WHERE EXISTING LIGHTS, SPEAKERS OR OTHER EQUIPMENT WERE REMOVED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS [] FLS [] ACS []
DATE: 05/03/2019

aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

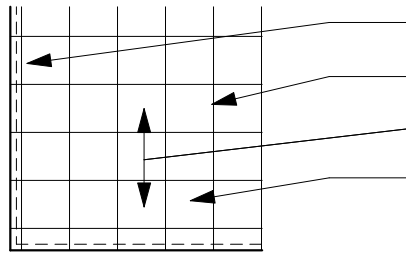
PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT

REFLECTED CEILING PLAN KEYNOTES

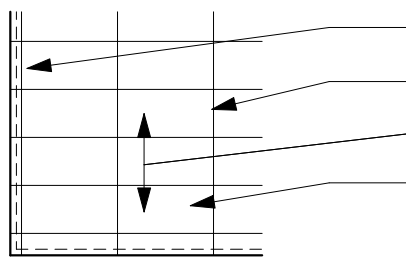
- 1 (E) LIGHT FIXTURE TO REMAIN; PROTECT DURING CONSTRUCTION
- 2 (E) MECHANICAL VENT TO REMAIN; PROTECT DURING CONSTRUCTION AND PAINT
- 3 (E) PLASTER/GYP BD. CEILING. PATCH AND REPAIR AS REQ'D AND PAINT
- 4 (E) ROOF ACCESS HATCH AND LADDER
- 5 INSTALL (W) WINDOW. REFER TO WINDOW TYPES FOR MORE INFORMATION
- 6 (E) T-BAR CEILING TO REMAIN. PAINT GRID, REINSTALL INSULATION, AND PROVIDE AND INSTALL NEW PANELS

GRAPHIC KEY

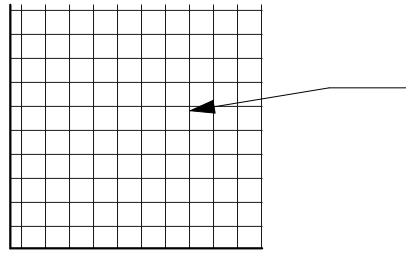
2'-0" x 2'-0" "T" BAR CEILING SYSTEM



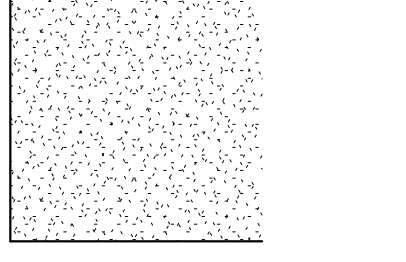
2'-0" x 4'-0" "T" BAR CEILING SYSTEM



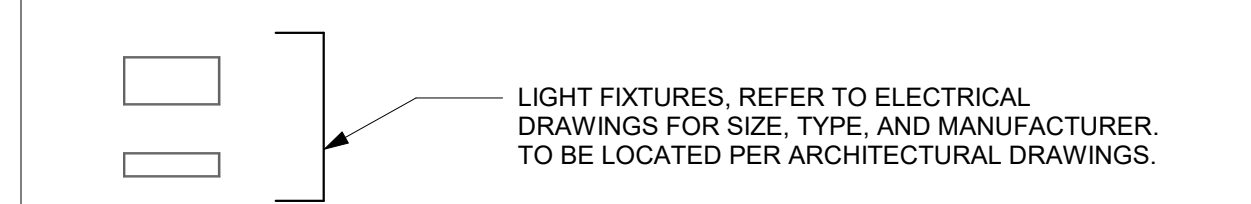
12" x 12" GLUE UP ACCOUSTICAL CEILING TILES



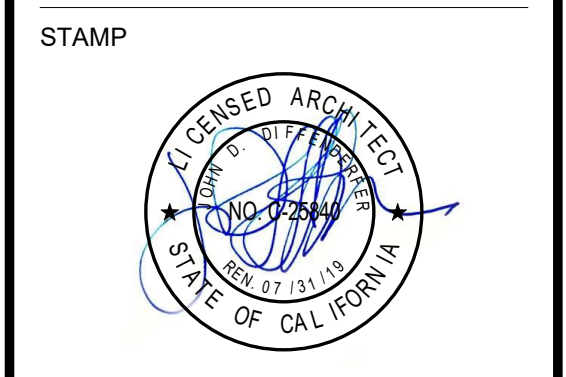
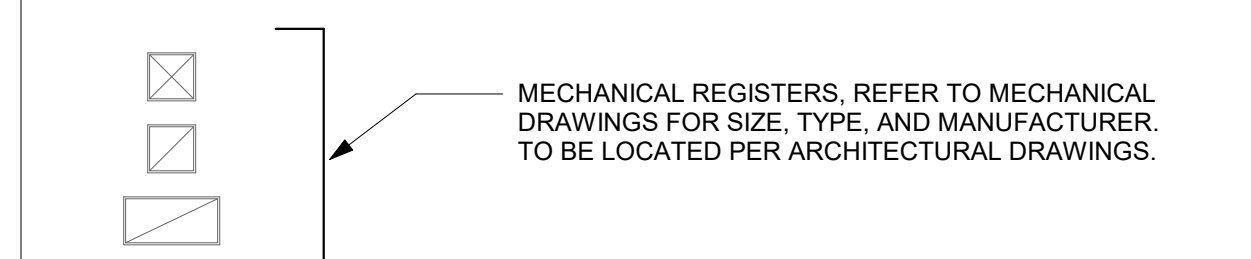
GYPSON BOARD CEILING OR SOFFIT



ELECTRICAL SYMBOLS



MECHANICAL SYMBOLS



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No.	Description	Date
1		

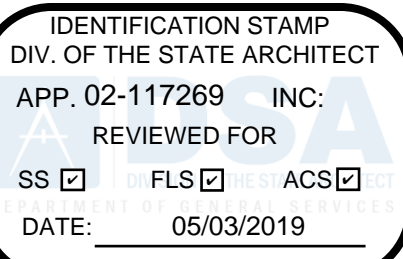
MILESTONES

SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

REFLECTED CEILING PLAN - QUAD B


DATE 04/08/2019
JOB # 2018044
SHEET # A4.21

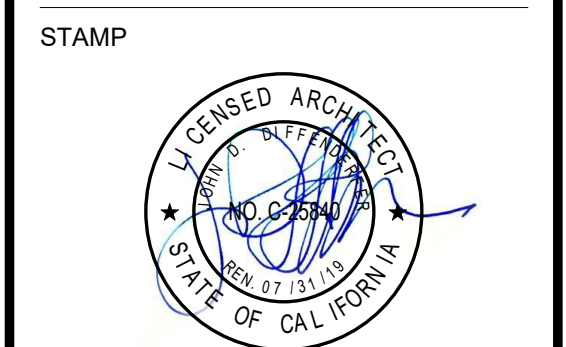
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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No.	Description	Date
1		

MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET
REFLECTED CEILING PLAN - QUAD C

DATE 04/08/2019
JOB # 2018044
SHEET #

A4.31

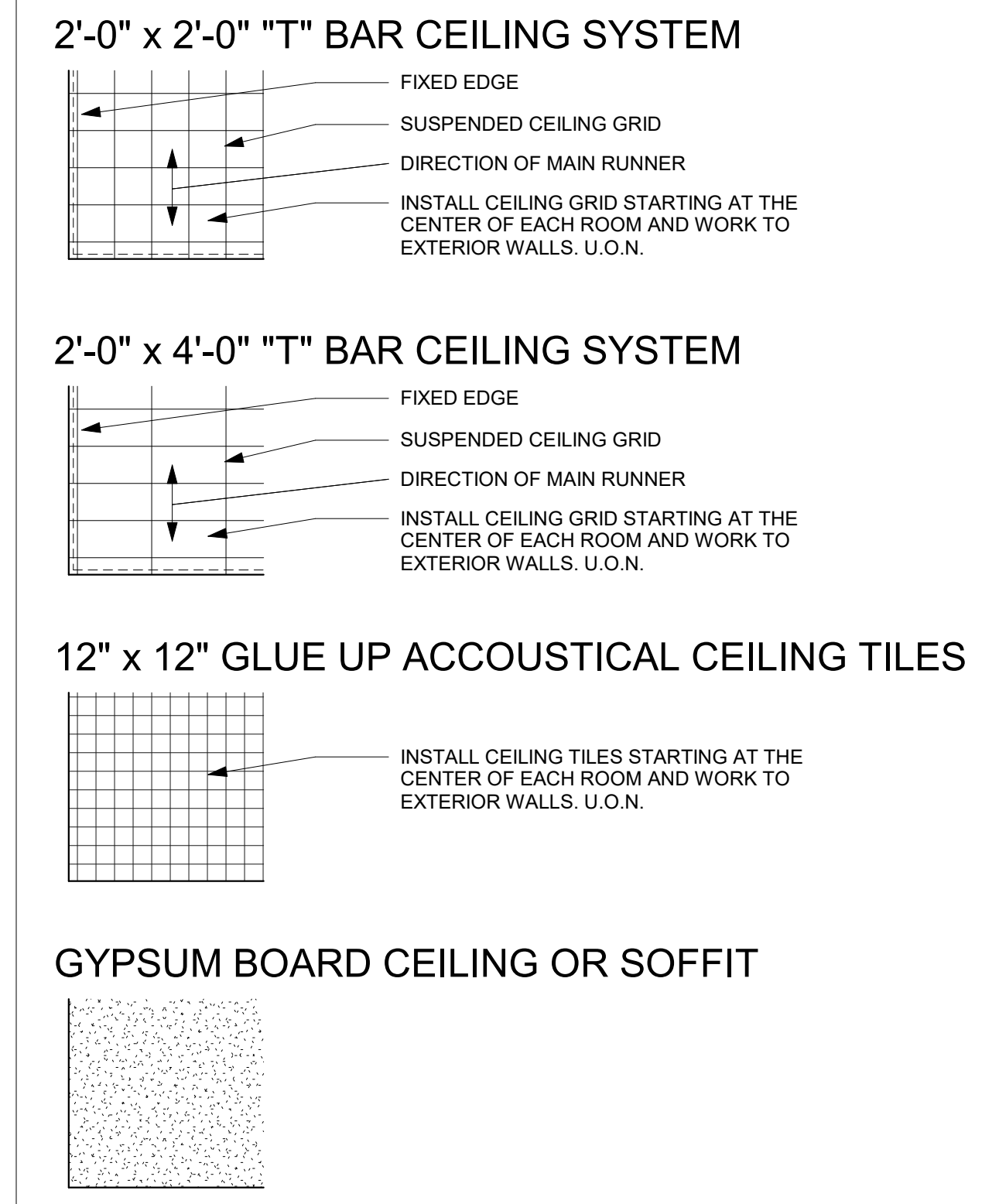
GENERAL SHEET NOTES

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- B REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
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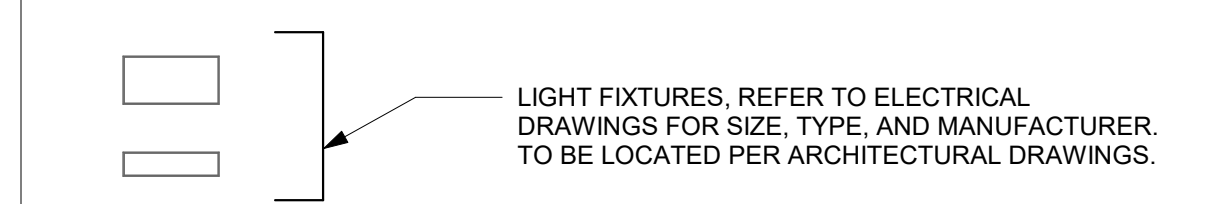
REFLECTED CEILING PLAN KEYNOTES

- 1 (E) PLASTER/GYP BD. CEILING. PATCH AND REPAIR AS REQ'D AND PAINT
- 2 (E) LIGHT FIXTURE TO REMAIN; PROTECT DURING CONSTRUCTION
- 3 (N) CEILING TILE. INSTALL ON (E) GRID CEILING; REPAIR/REPLACE ELEMENTS AS NEEDED
- 4 INSTALL (N) WINDOW. REFER TO WINDOW TYPES FOR MORE INFORMATION
- 5 (E) MECHANICAL VENT TO REMAIN; PROTECT DURING CONSTRUCTION AND PAINT
- 6 (E) T-BAR CEILING TO REMAIN. PAINT GRID, REINSTALL INSULATION, AND PROVIDE AND INSTALL NEW PANELS
- 7 (N) GYP. BD. CEILING; PAINT
- 8 (N) CEILING TILES. TYP.
- 9 PAINT (E) CEILING
- 10 PAINT (E) SOFFIT. TYP.

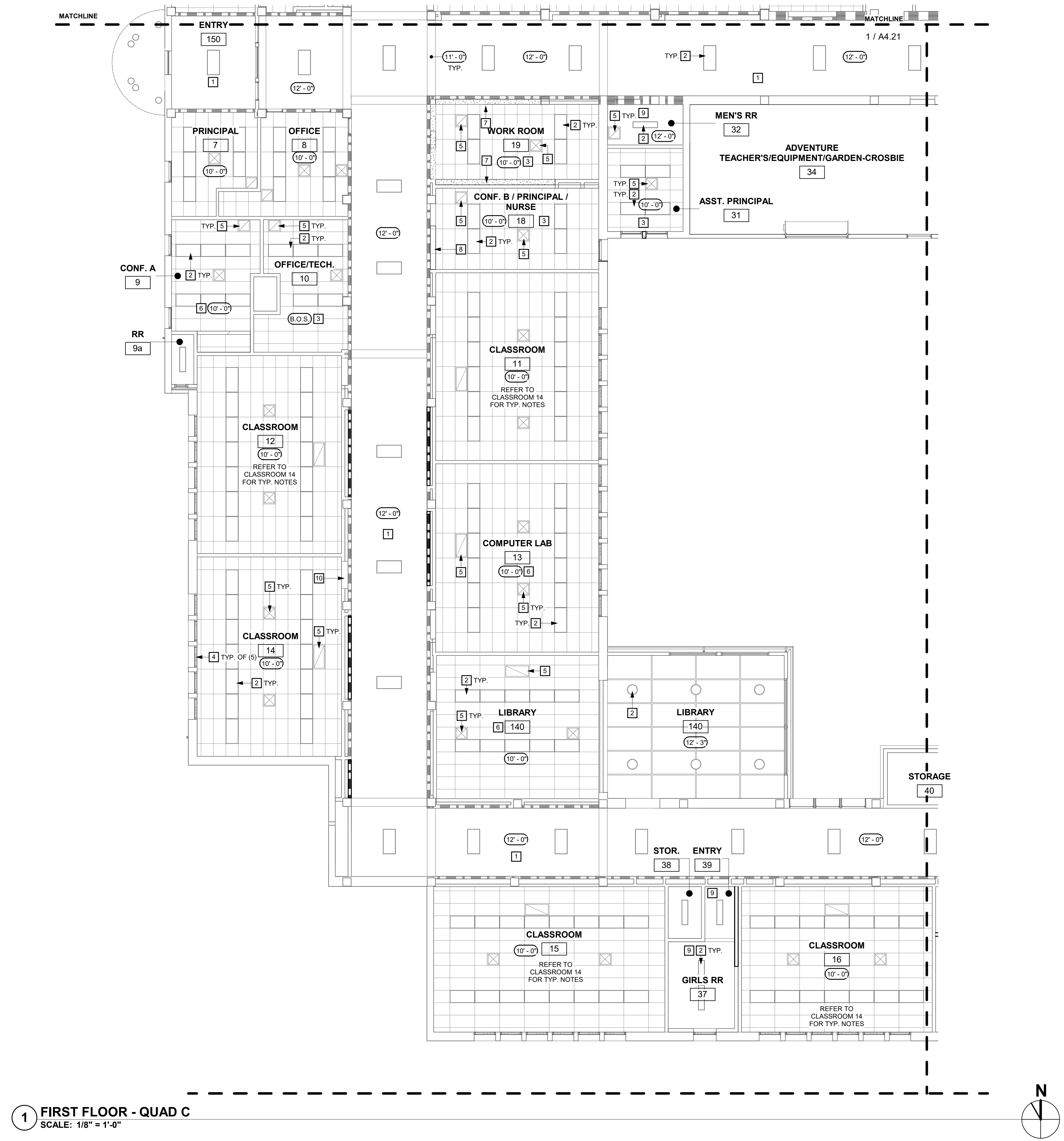
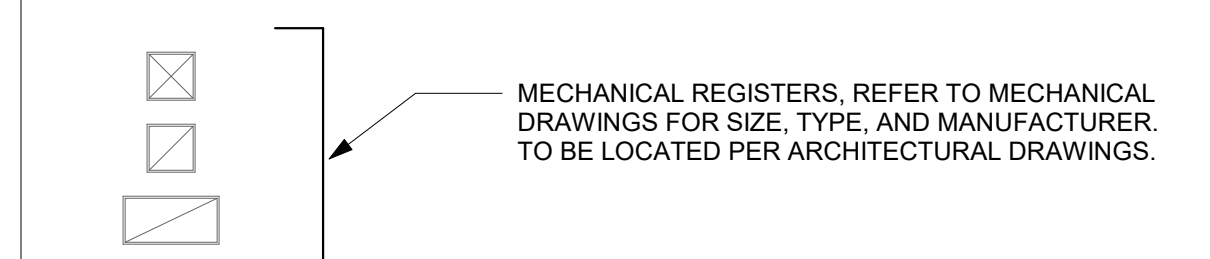
GRAPHIC KEY



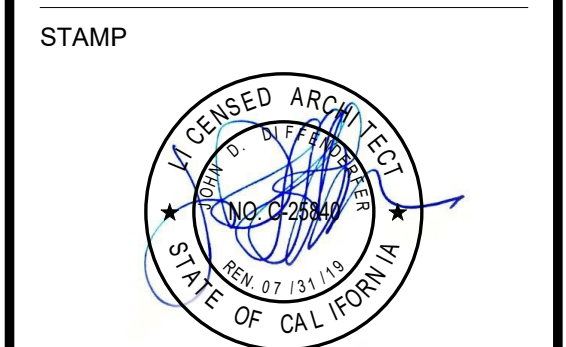
ELECTRICAL SYMBOLS



MECHANICAL SYMBOLS



1 FIRST FLOOR - QUAD C
SCALE: 1/8" = 1'-0"



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
1		

MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET
**REFLECTED
 CEILING PLAN -
 QUAD D**

DATE 04/08/2019
 JOB # 2018044
 SHEET #

A4.41

GENERAL SHEET NOTES

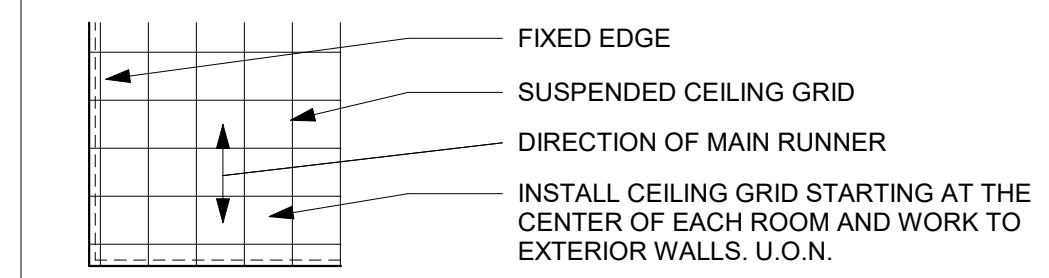
- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
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REFLECTED CEILING PLAN KEYNOTES

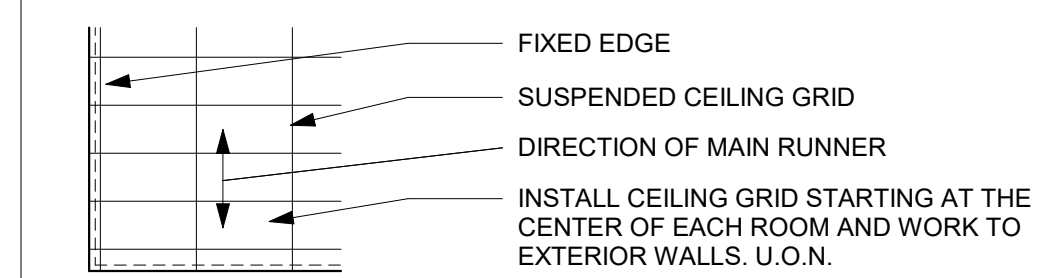
- 1 (E) PLASTER/GYP BD. CEILING. PATCH AND REPAIR AS REQD AND PAINT
- 2 (E) MECHANICAL VENT TO REMAIN. PROTECT DURING CONSTRUCTION AND PAINT
- 3 (E) LIGHT FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION
- 4 (E) T-BAR CEILING TO REMAIN. PAINT GRID, REINSTALL INSULATION, AND PROVIDE AND INSTALL NEW PANELS
- 5 SURFACE MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DWGS.
- 6 PAINT (E) CEILING
- 7 PATCH AND REPAIR (E) PLASTER WALL FINISHES AS REQUIRED FOR NEW WORK
- 8 PAINT (E) SOFFIT, TYP.

GRAPHIC KEY

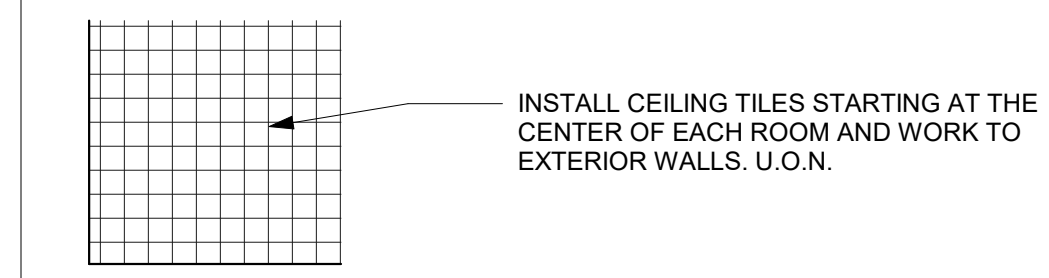
2'-0" x 2'-0" "T" BAR CEILING SYSTEM



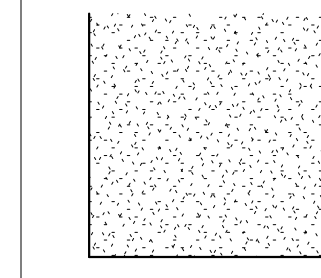
2'-0" x 4'-0" "T" BAR CEILING SYSTEM



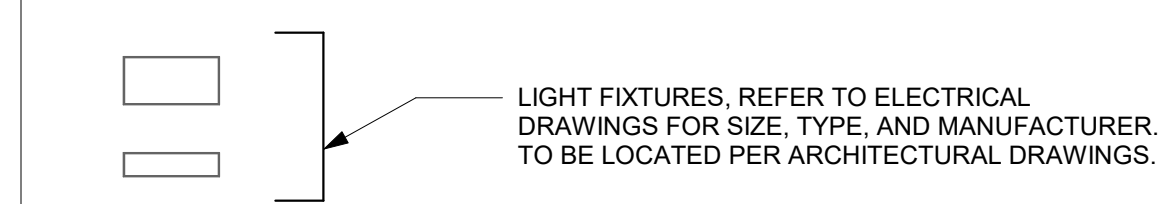
12" x 12" GLUE UP ACCOUSTICAL CEILING TILES



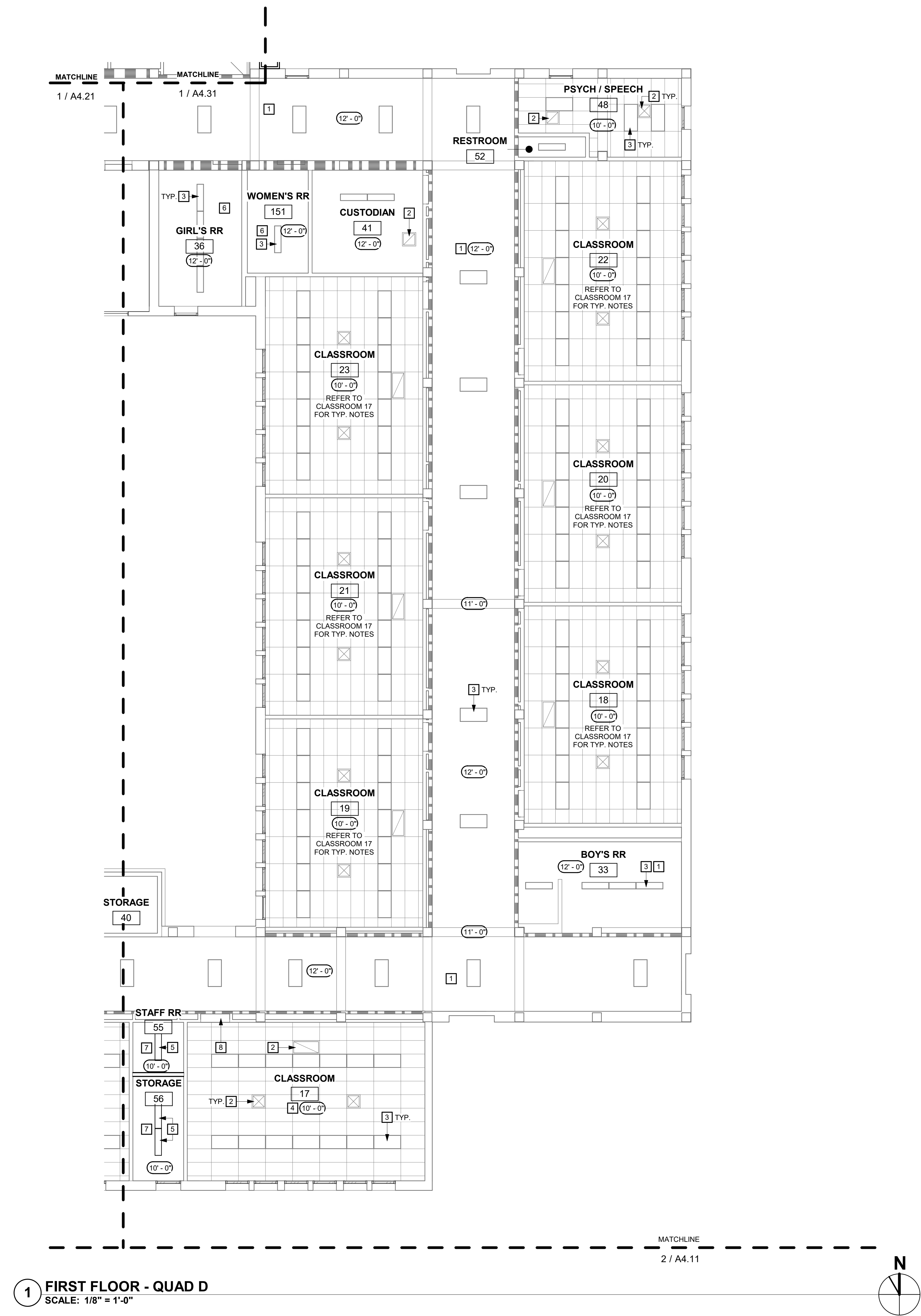
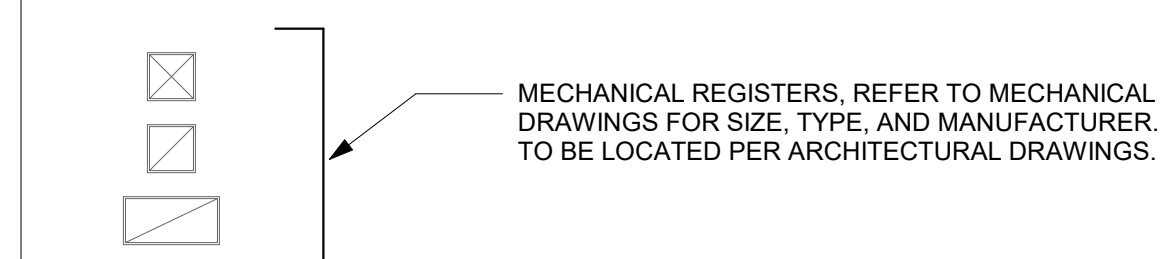
GYPSON BOARD CEILING OR SOFFIT



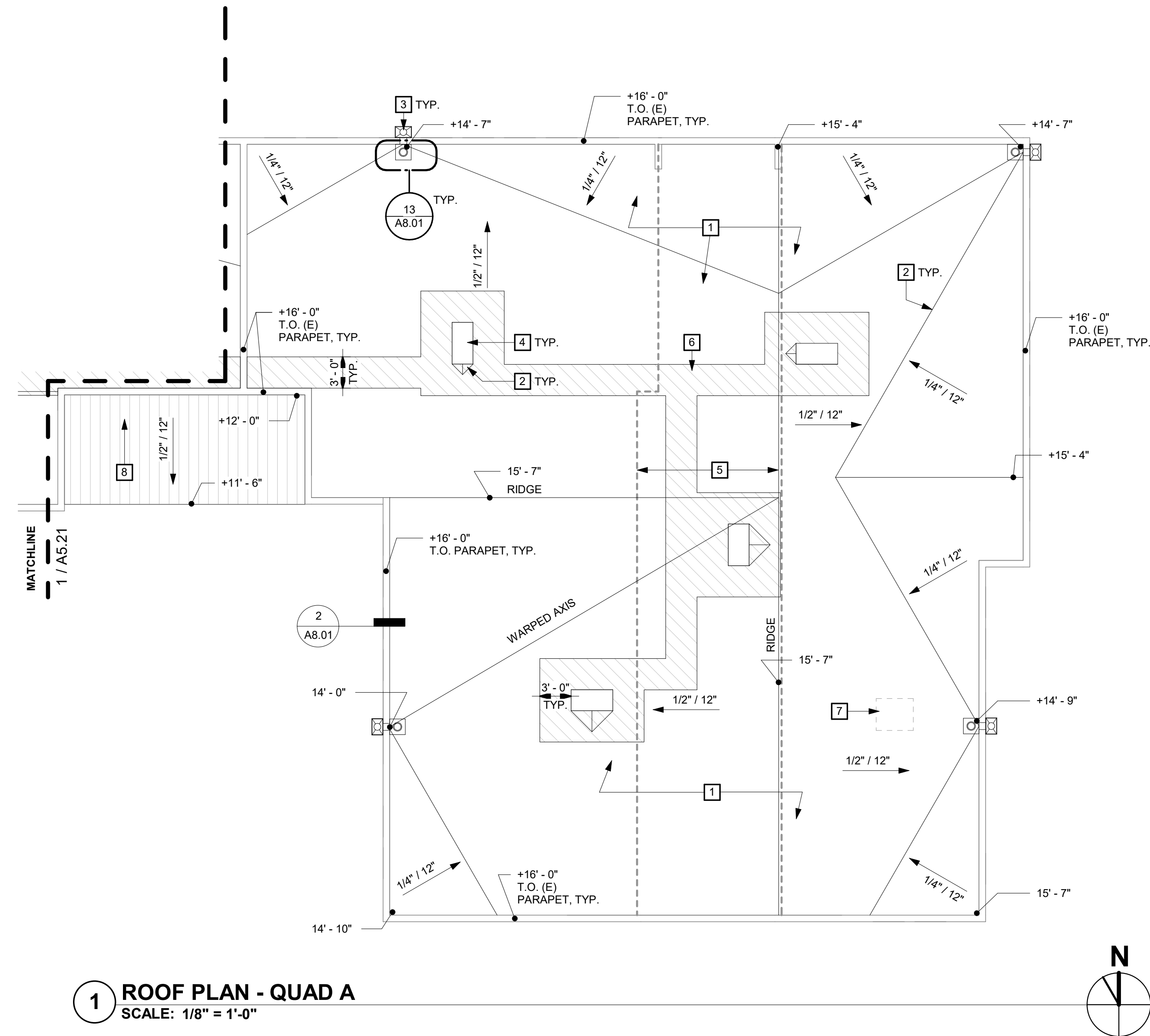
ELECTRICAL SYMBOLS



MECHANICAL SYMBOLS



1 FIRST FLOOR - QUAD D
 SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

- A REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- B ALL EXPOSED SHEET METAL SHALL BE PAINTED G.S.M.
- C ALL TAPERED CRICKETS TO BE NEW.
- D PROVIDE TAPERED INSULATION (TO COMPLY W/ FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF CBC 707.3).
- E ROOF CRICKETS, WHERE INDICATED, SHALL BE PROVIDED AS REQUIRED TO ENSURE A MINIMUM 1/4" PER FOOT VALLEY SLOPE. COORDINATE LOCATIONS OF CRICKETS WITH ROOFTOP EQUIPMENT.
- F REFER TO TYPICAL SADDLE FLASHING DETAILS WHERE 2 EXTERIOR WALLS OF DIFFERENT HEIGHTS INTERSECT.

TYPICAL ROOF DEMOLITION NOTES:

- 1) (E) BUILT-UP ROOFING TO REMAIN EXCEPT AS NOTED FOR NEW WORK
- 2) DEMO (E) PLYWOOD CRICKETS COMPLETELY AND INSTALL (N) TAPERED INSULATION CRICKETS AS SHOWN.
- 3) DEMO (E) ROOF DRAIN AND REPLACE IN KIND; REFER TO SPECS FOR FURTHER INFORMATION

ROOF PLAN KEYNOTES

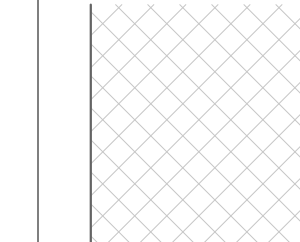
- 1) SINGLE-PLY ROOFING; REFER TO SPECS FOR MORE INFORMATION
- 2) TAPERED INSULATION CRICKET WITH 1/4" SLOPE; REFER TO SPECS FOR MORE INFORMATION
- 3) (E) RAINWATER LEADER TO REMAIN
- 4) (E) MECHANICAL UNITS TO REMAIN
- 5) (E) DRAFTSTOP
- 6) ROOF WALKING PAD; REFER TO SPECS FOR MORE INFORMATION
- 7) CAP (E) ROOF ACCESS HATCH, REFER TO DETAIL 1/A8.01 FOR MORE INFORMATION
- 8) (E) METAL ROOF TO REMAIN

GRAPHIC KEY

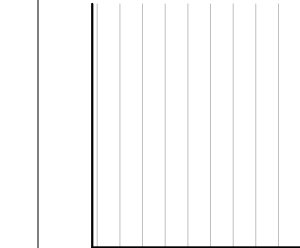
SINGLE PLY ROOFING



(E) COMPOSITE ROOFING SHINGLES
(NO WORK IN THIS AREA)

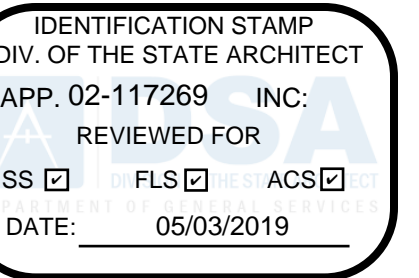
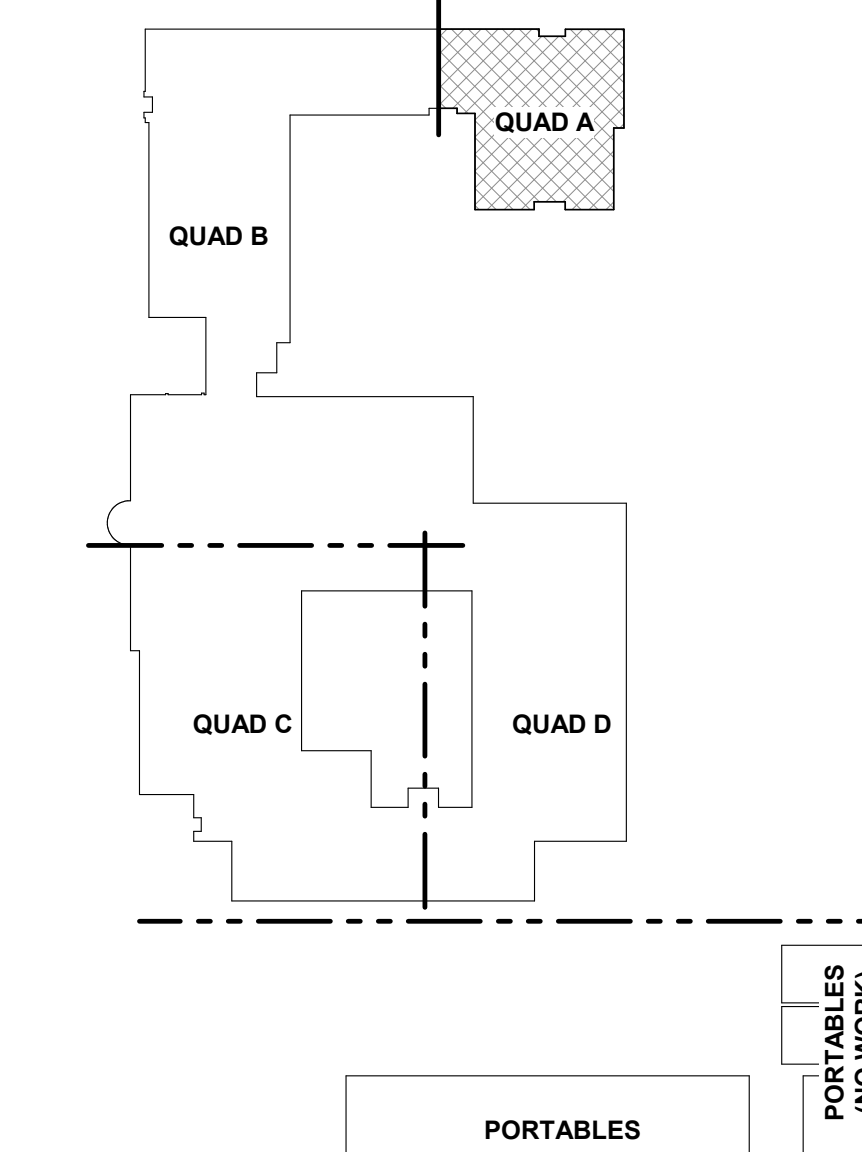


(E) METAL ROOF
(NO WORK IN THIS AREA)



(E) DRAFTSTOP

BUILDING KEY



aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

PROJECT

**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**

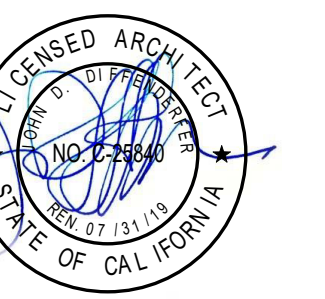


Grass Valley
School District

GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 29-11

APPL # 02-117269

REVISIONS

No.	Description	Date
1		

△

MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

SHEET

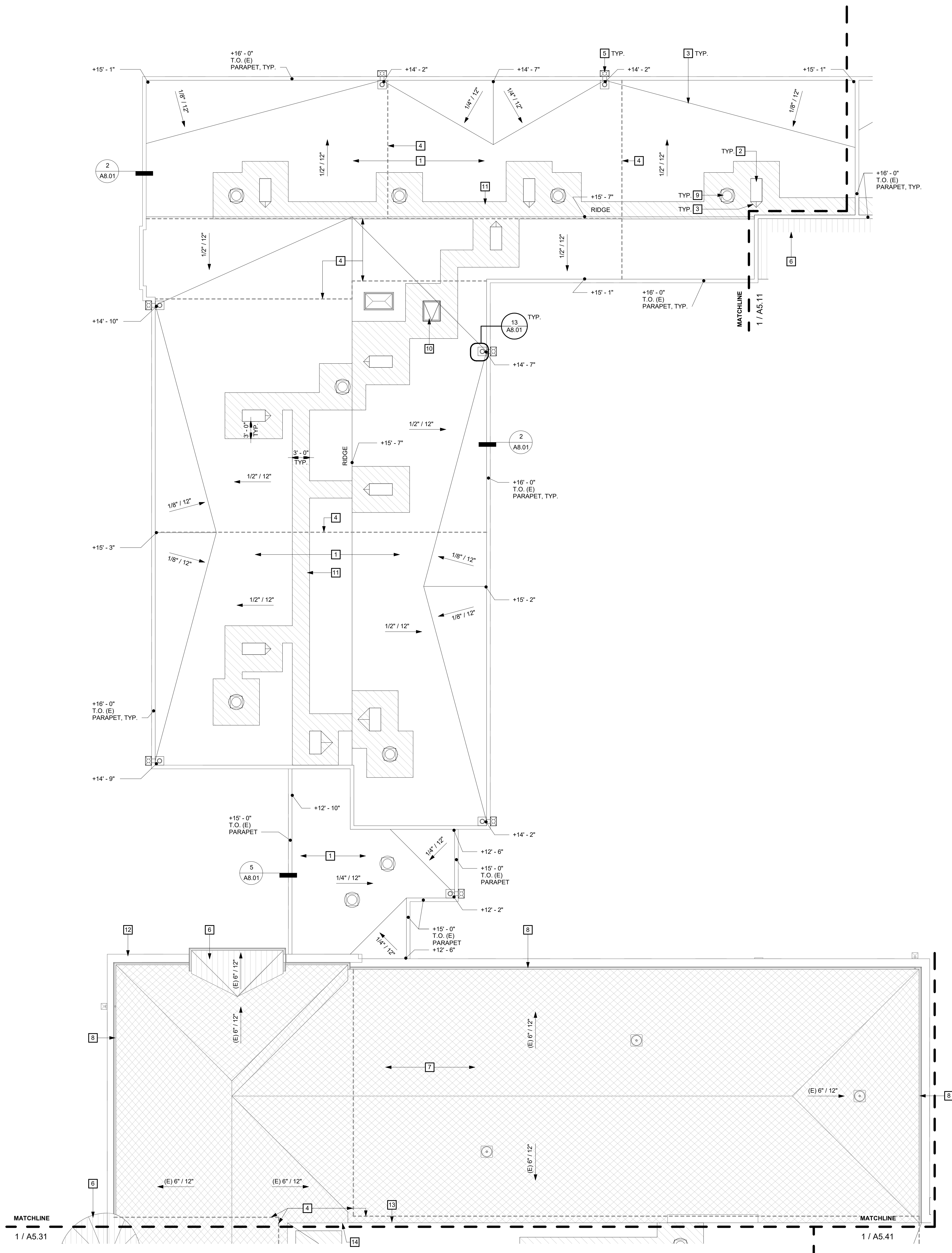
**ROOF PLAN -
QUAD A**

DATE 04/08/2019

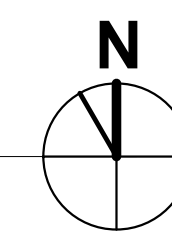
JOB # 2018044

SHEET #

A5.11



1 ROOF PLAN - QUAD B
SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

- A REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- B ALL EXPOSED SHEET METAL SHALL BE PAINTED G.S.M.
- C ALL TAPERED CRICKETS TO BE NEW.
- D PROVIDE TAPERED INSULATION (TO COMPLY W/ FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF CBC 707.3).
- E ROOF CRICKETS, WHERE INDICATED, SHALL BE PROVIDED AS REQUIRED TO ENSURE A MINIMUM 1/4 PER FOOT VALLEY SLOPE. COORDINATE LOCATIONS OF CRICKETS WITH ROOFTOP EQUIPMENT.
- F REFER TO TYPICAL SADDLE FLASHING DETAILS WHERE 2 EXTERIOR WALLS OF DIFFERENT HEIGHTS INTERSECT.

TYPICAL ROOF DEMOLITION NOTES:

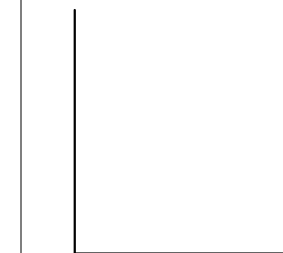
- 1) (E) BUILT-UP ROOFING TO REMAIN EXCEPT AS NOTED FOR NEW WORK
- 2) DEMO (E) PLYWOOD CRICKETS COMPLETELY AND INSTALL (N) TAPERED INSULATION CRICKETS AS SHOWN
- 3) DEMO (E) ROOF DRAIN AND REPLACE IN KIND; REFER TO SPECS FOR FURTHER INFORMATION

ROOF PLAN KEYNOTES

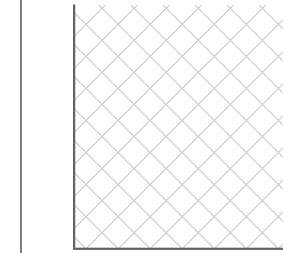
- 1 SINGLE-PLY ROOFING; REFER TO SPECS FOR MORE INFORMATION
- 2 (E) MECHANICAL UNITS TO REMAIN
- 3 TAPERED INSULATION CRICKET WITH 1/4" SLOPE; REFER TO SPECS FOR MORE INFORMATION
- 4 (E) DRAFTSTOP
- 5 (N) ROOF DRAIN; REFER TO SPECS FOR MORE INFORMATION
- 6 (E) METAL ROOF TO REMAIN
- 7 (E) COMPOSITION ROOF SHINGLES TO REMAIN
- 8 PROVIDE COATING AT (E) INTERNAL GUTTERS; REFER TO SPECS FOR MORE INFORMATION
- 9 DEMO (E) ROOF VENTILATOR & REPLACE IN KIND, TYP.
- 10 (E) ROOF HATCH TO REMAIN
- 11 ROOF WALKING PAD; REFER TO SPECS FOR MORE INFORMATION
- 12 (E) PARAPET CAP TO REMAIN AT COMPOSITION ROOFING
- 13 PROVIDE AND INSTALL 20 GA. SHEET METAL FLASHING MIN. 1'-0" UNDER COMPOSITION ROOFING AND 1'-0" MIN. OF SINGLE-PLY, SINGLE PLY ROOFING TO RUN 1'-0" UP SLOPE
- 14 PROVIDE (N) PARAPET FLASHING AT MANSARD ROOF

GRAPHIC KEY

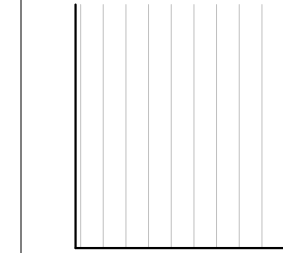
SINGLE PLY ROOFING



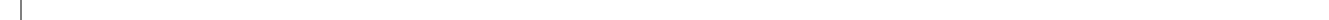
(E) COMPOSITE ROOFING SHINGLES
(NO WORK IN THIS AREA)



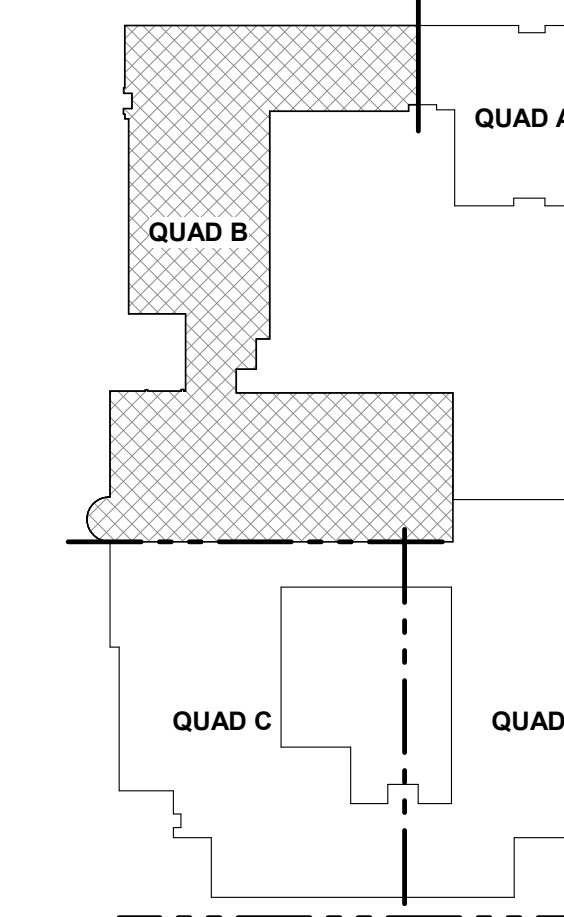
(E) METAL ROOF
(NO WORK IN THIS AREA)



(E) DRAFTSTOP



BUILDING KEY



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2019

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architects

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PROJECT

GRASS VALLEY
SCHOOL DISTRICT
MODERNIZATION
2019



Grass Valley
School District
GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No. Description Date



MILESTONES

SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET

ROOF PLAN -
QUAD B

DATE 04/08/2019

JOB # 2018044

SHEET #

A5.21

GENERAL SHEET NOTES

- A REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- B ALL EXPOSED SHEET METAL SHALL BE PAINTED G.S.M.
- C ALL TAPERED CRICKETS TO BE NEW.
- D PROVIDE TAPERED INSULATION (TO COMPLY W/ FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF CBC 707.3).
- E ROOF CRICKETS, WHERE INDICATED, SHALL BE PROVIDED AS REQUIRED TO ENSURE A MINIMUM 1/4" PER FOOT VALLEY SLOPE. COORDINATE LOCATIONS OF CRICKETS WITH ROOFTOP EQUIPMENT.
- F REFER TO TYPICAL SADDLE FLASHING DETAILS WHERE 2 EXTERIOR WALLS OF DIFFERENT HEIGHTS INTERSECT.

TYPICAL ROOF DEMOLITION NOTES:

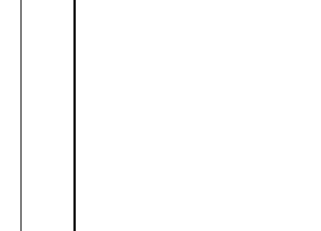
- 1) (E) BUILT-UP ROOFING TO REMAIN EXCEPT AS NOTED FOR NEW WORK
- 2) DEMO (E) PLYWOOD CRICKETS COMPLETELY AND INSTALL (N) TAPERED INSULATION CRICKETS AS SHOWN.
- 3) DEMO (E) ROOF DRAIN AND REPLACE IN KIND; REFER TO SPECS FOR FURTHER INFORMATION

ROOF PLAN KEYNOTES

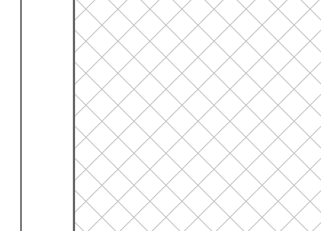
- 1 (E) METAL ROOF TO REMAIN
- 2 (E) COMPOSITION ROOF SHINGLES TO REMAIN
- 3 SINGLE-PLY ROOFING; REFER TO SPECS FOR MORE INFORMATION
- 4 (E) SKYLIGHT TO REMAIN
- 5 TAPERED INSULATION CRICKET WITH 1/4" SLOPE; REFER TO SPECS FOR MORE INFORMATION
- 6 (N) ROOF DRAIN; REFER TO SPECS FOR MORE INFORMATION
- 7 (E) MECHANICAL UNITS TO REMAIN
- 8 (E) DOOR AND FRAME TO REMAIN; PROTECT DURING CONSTRUCTION
- 9 DEMO (E) ROOF VENTILATOR & REPLACE IN KIND, TYP.
- 10 (E) DRAFTSTOP
- 11 ROOF WALKING PAD; REFER TO SPECS FOR MORE INFORMATION
- 12 PROVIDE AND INSTALL 20 GA. SHEET METAL FLASHING MIN. 1'-0" UNDER COMPOSITION ROOFING AND 1'-0" MIN. O/S SINGLE-PLY; SINGLE PLY ROOFING TO RUN 1'-0" UP SLOPE
- 13 RUN SINGLE-PLY UP MANSARD
- 14 PROVIDE COATING AT (E) INTERNAL GUTTERS; REFER TO SPECS FOR MORE INFORMATION
- 15 PROVIDE (N) PARAPET FLASHING AT MANSARD ROOF

GRAPHIC KEY

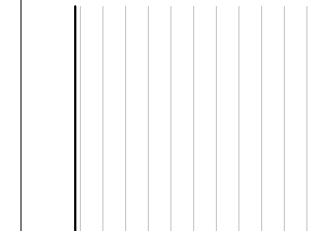
SINGLE PLY ROOFING



(E) COMPOSITE ROOFING SHINGLES (NO WORK IN THIS AREA)



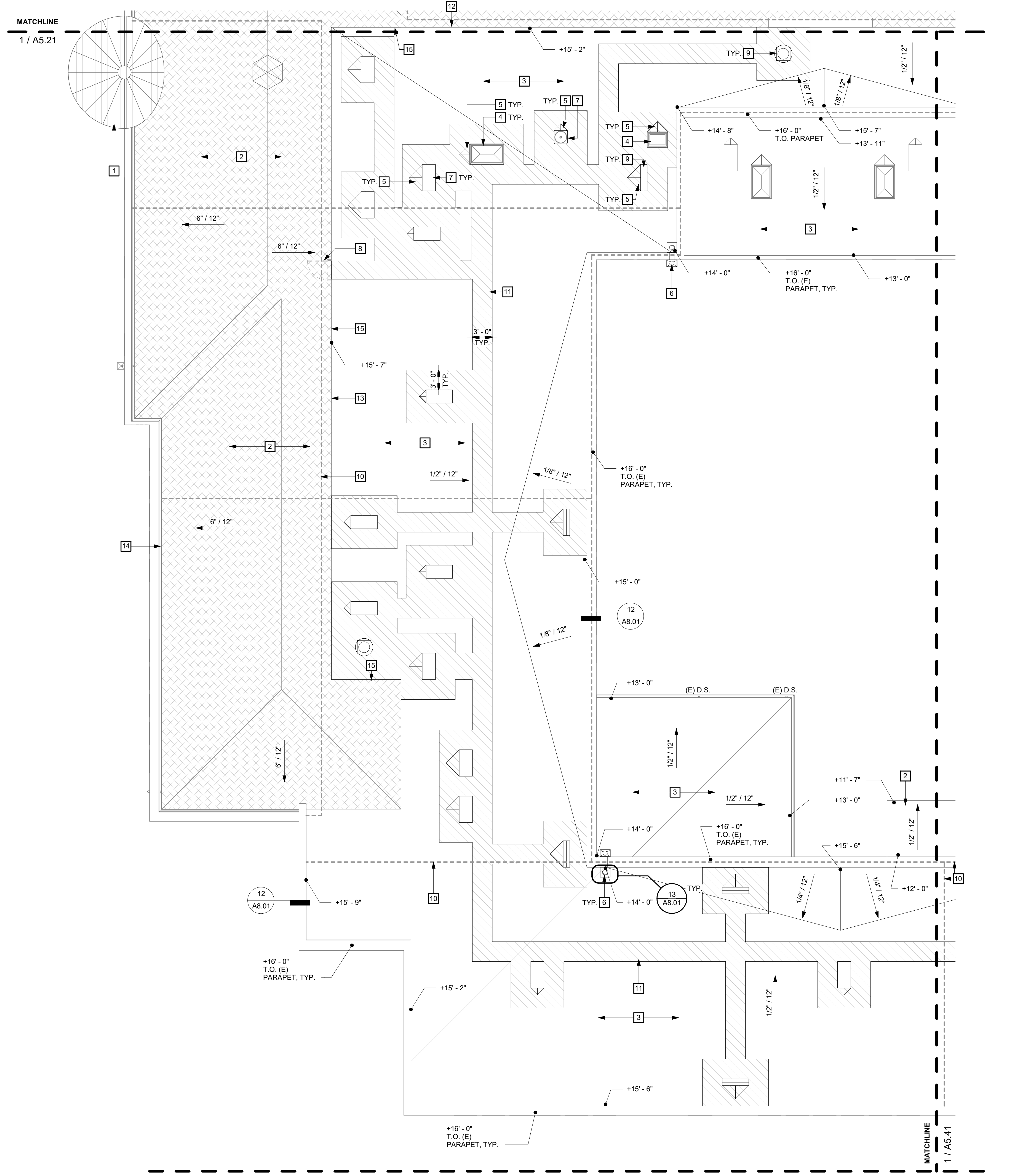
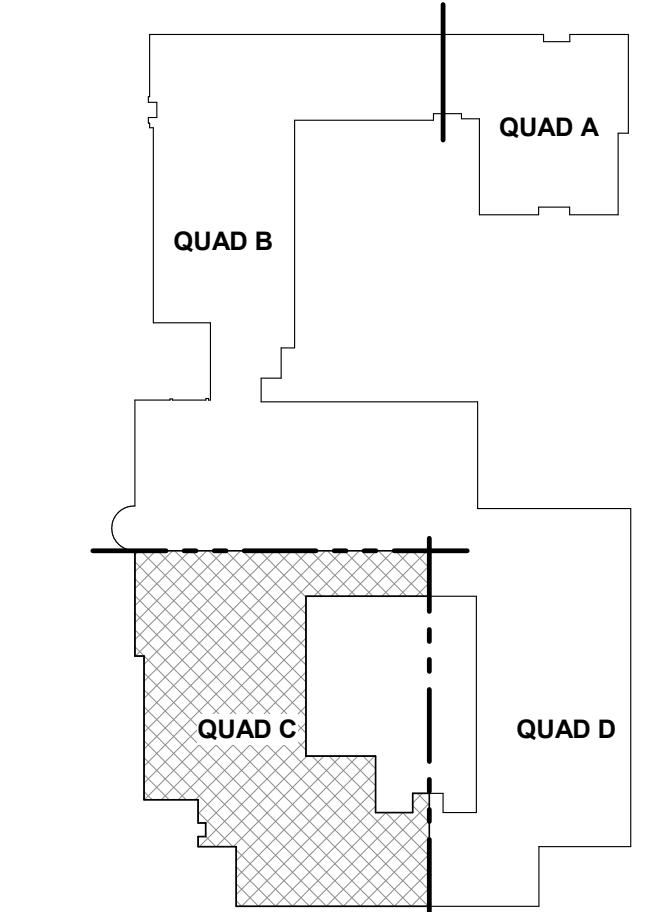
(E) METAL ROOF (NO WORK IN THIS AREA)



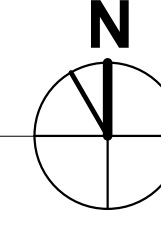
(E) DRAFTSTOP

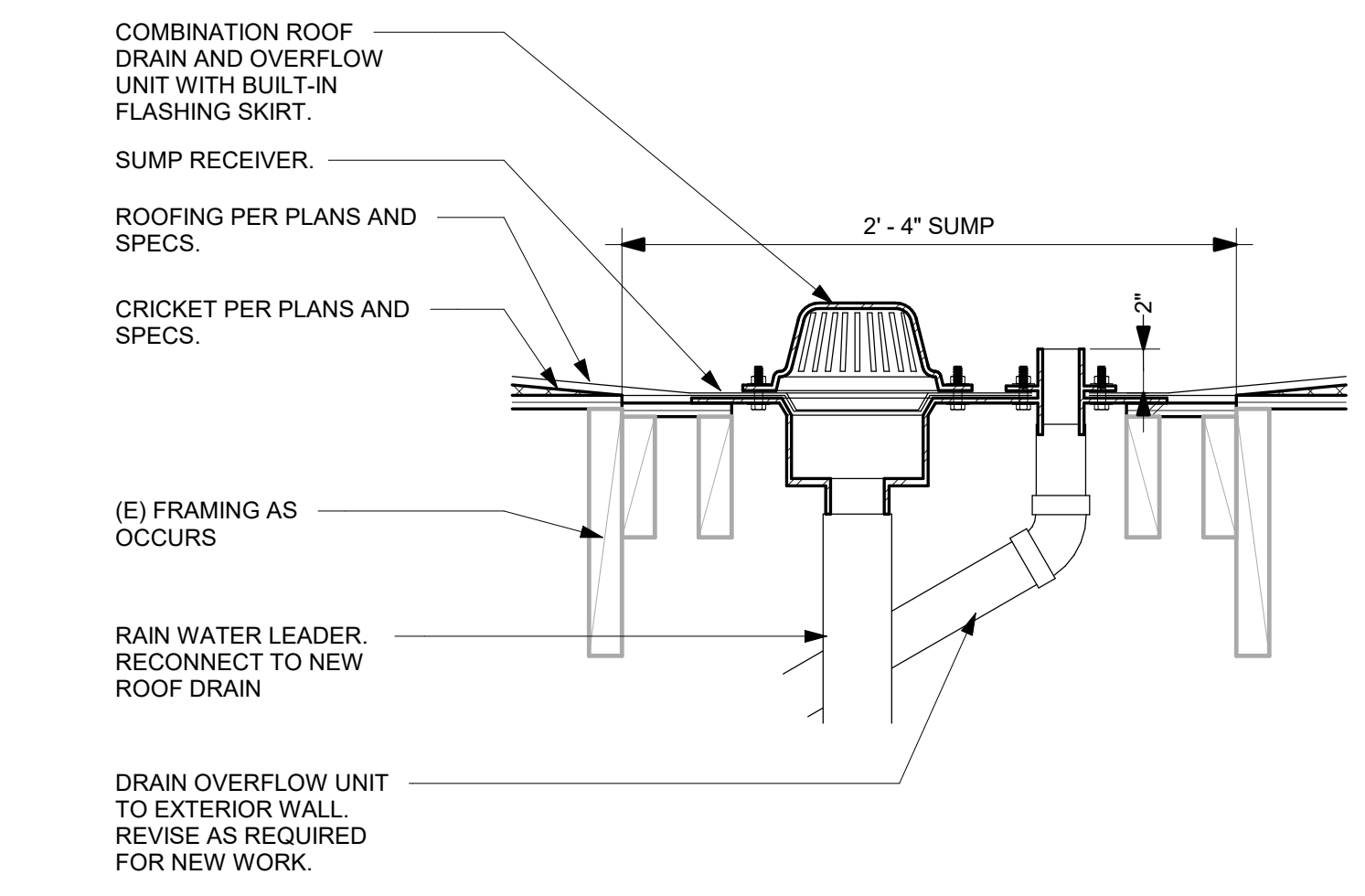


BUILDING KEY

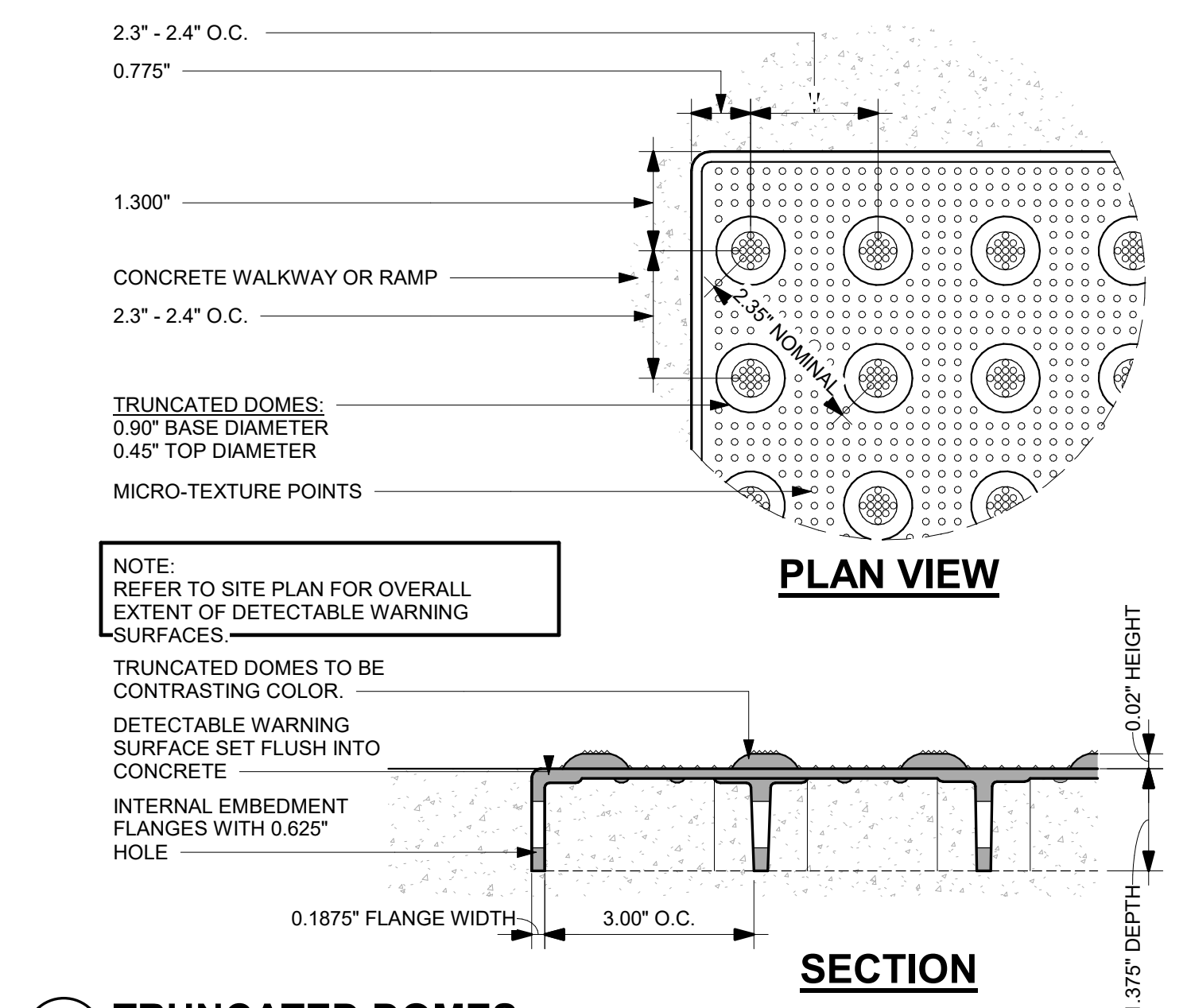


1 ROOF PLAN - QUAD C
 SCALE: 1/8" = 1'-0"

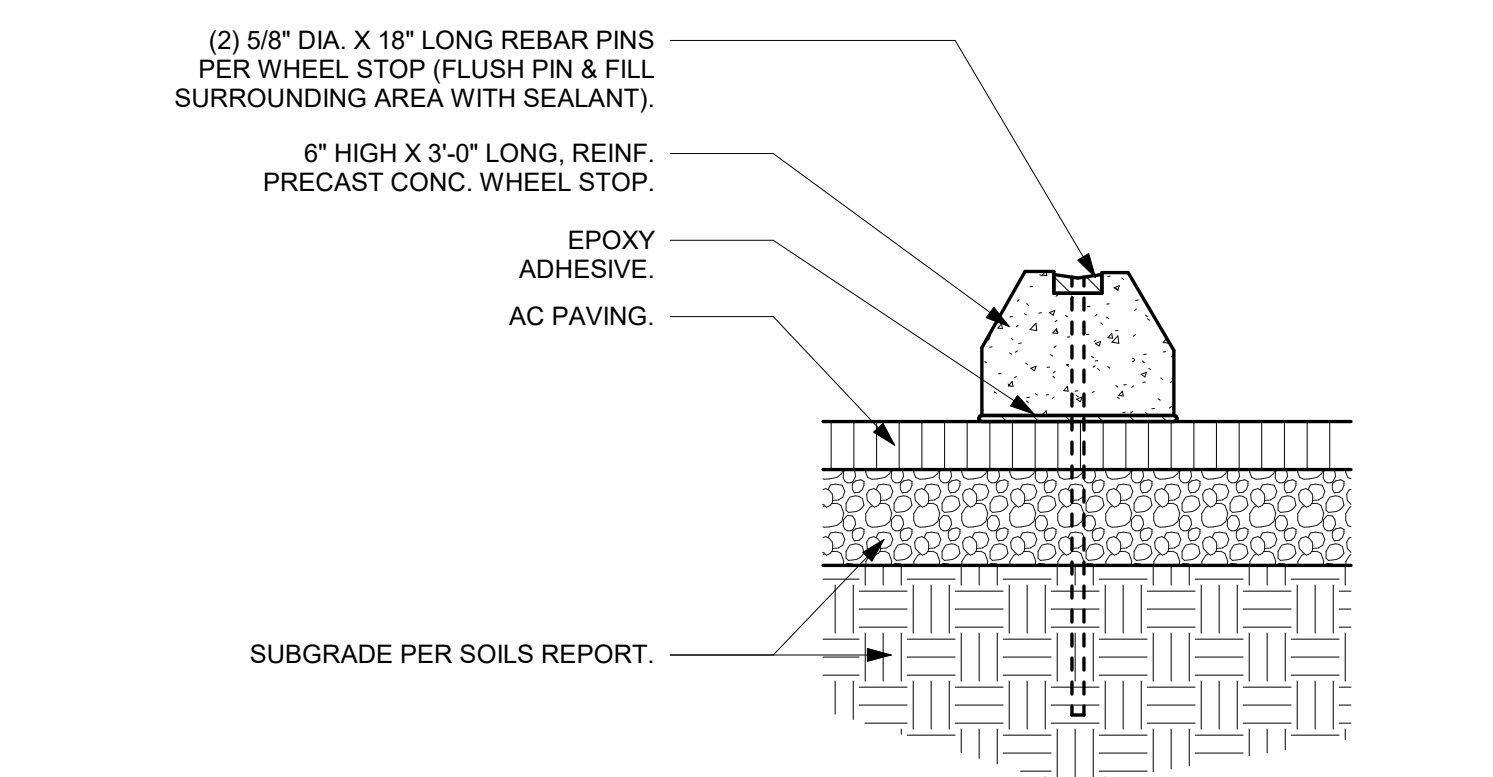




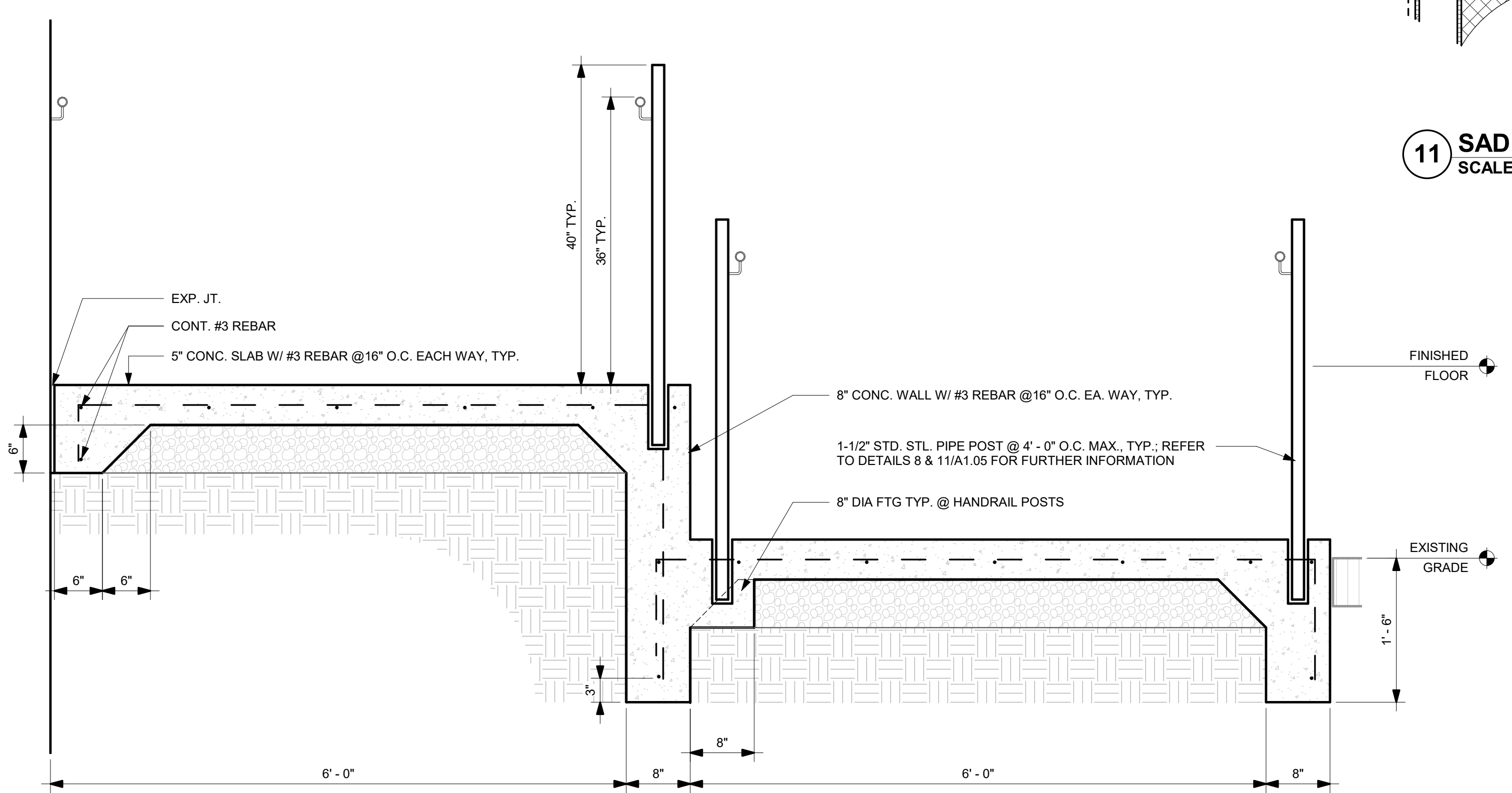
13 ROOF DRAIN WITH OVERFLOW (2x STUDS)
 SCALE: 1 1/2" = 1'-0"



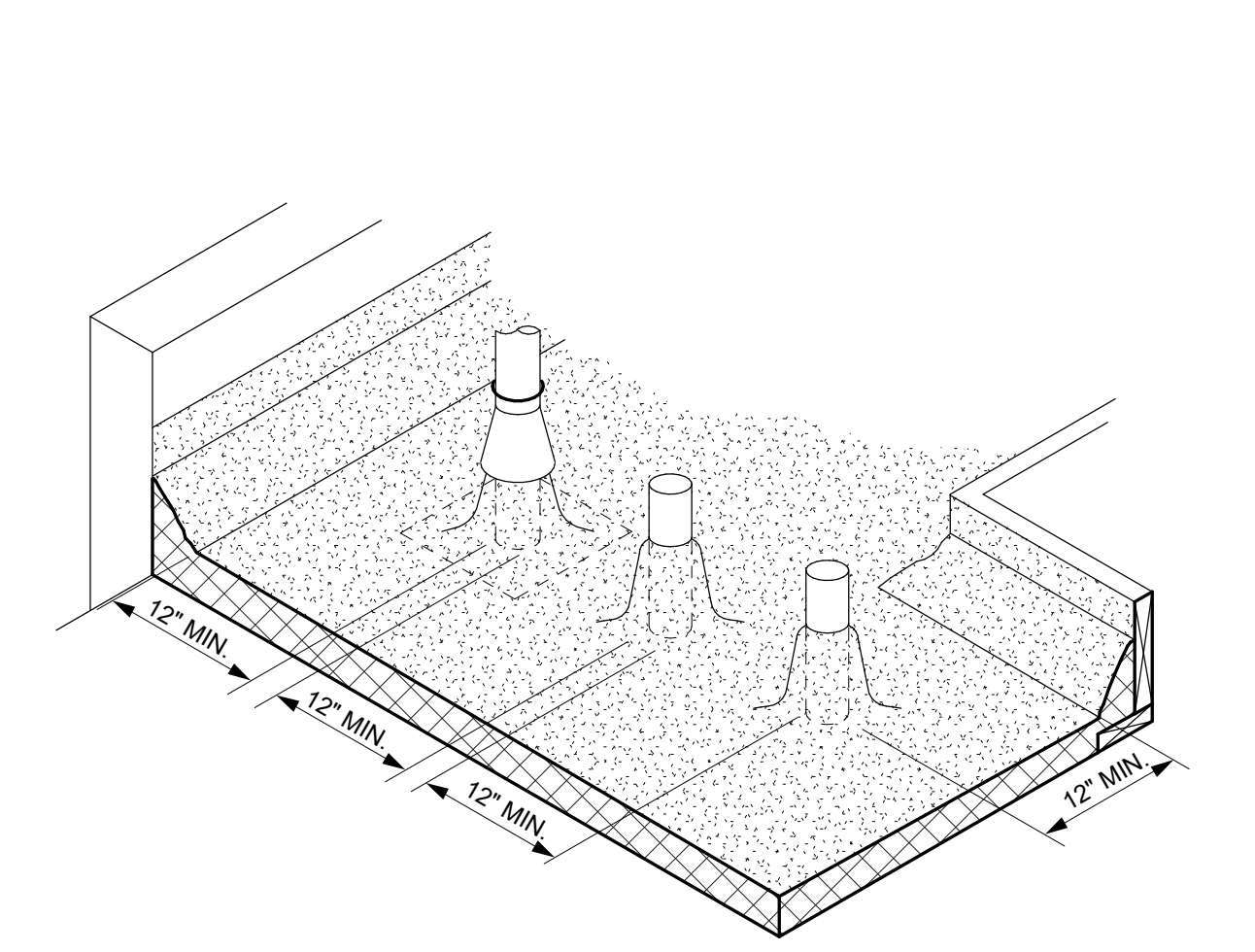
14 TRUNCATED DOMES
 SCALE: 1" = 1'-0"



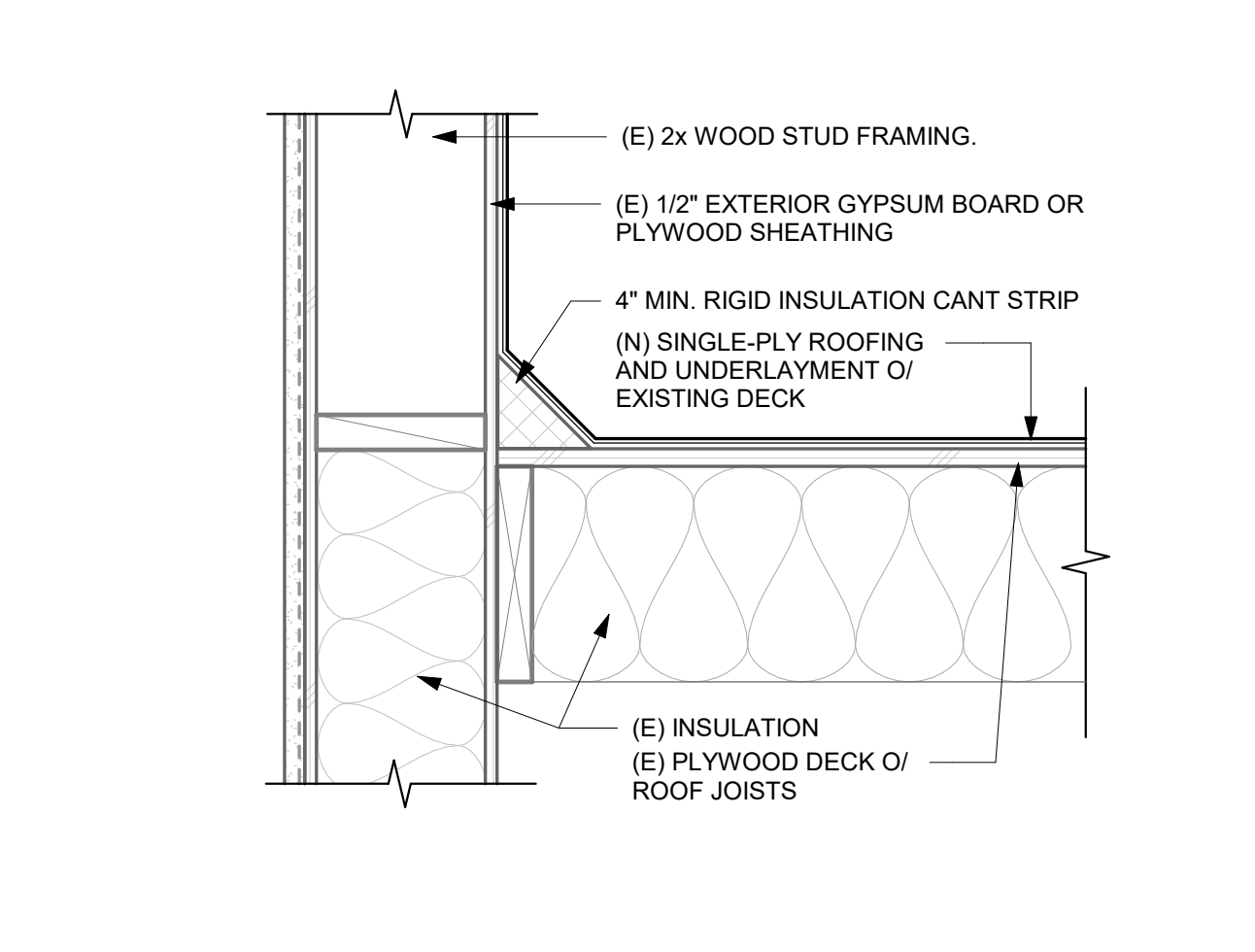
15 TYPICAL CONCRETE WHEEL STOP
 SCALE: 1 1/2" = 1'-0"



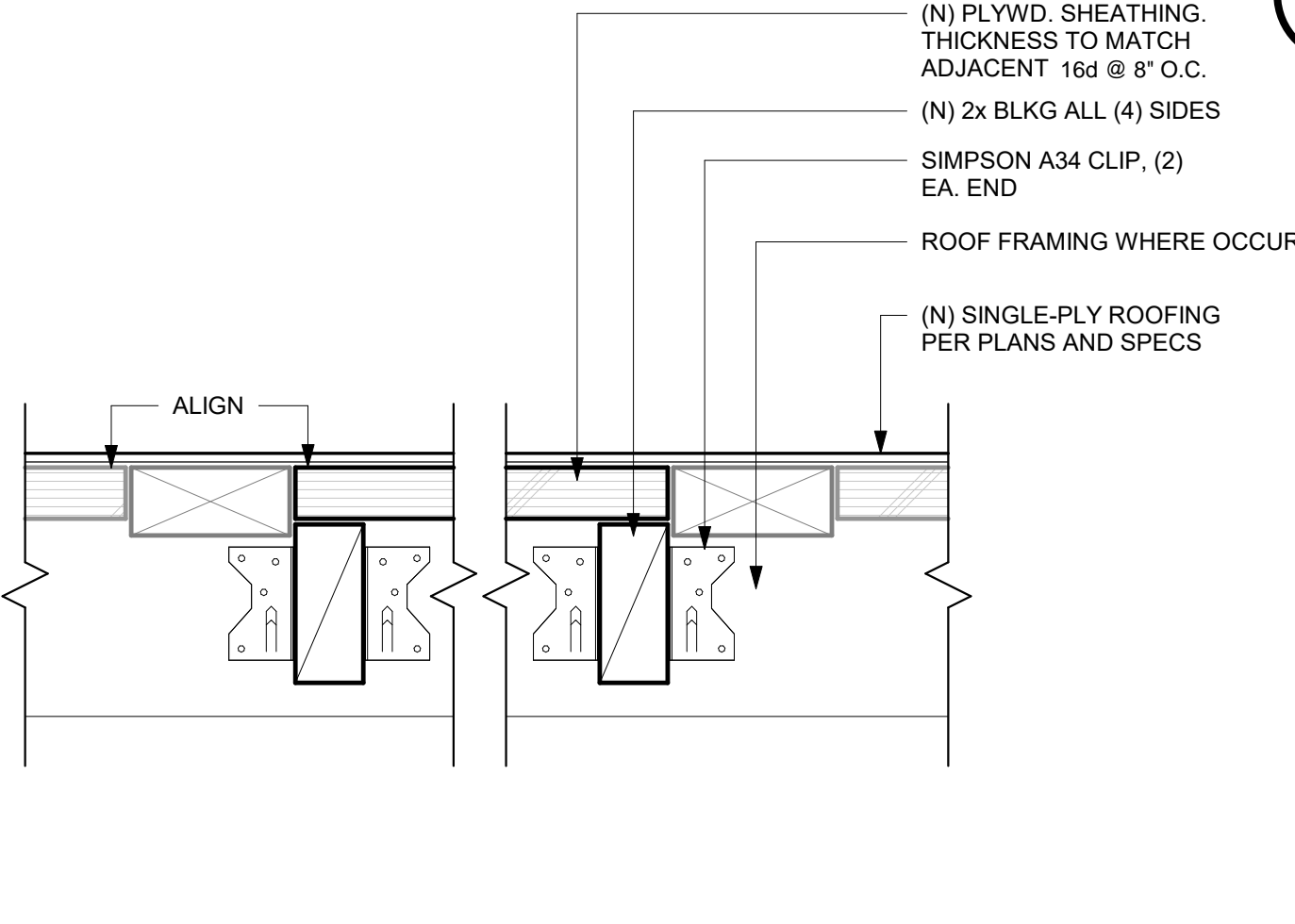
16 CONCRETE RAMP SECTION
 SCALE: 1" = 1'-0"



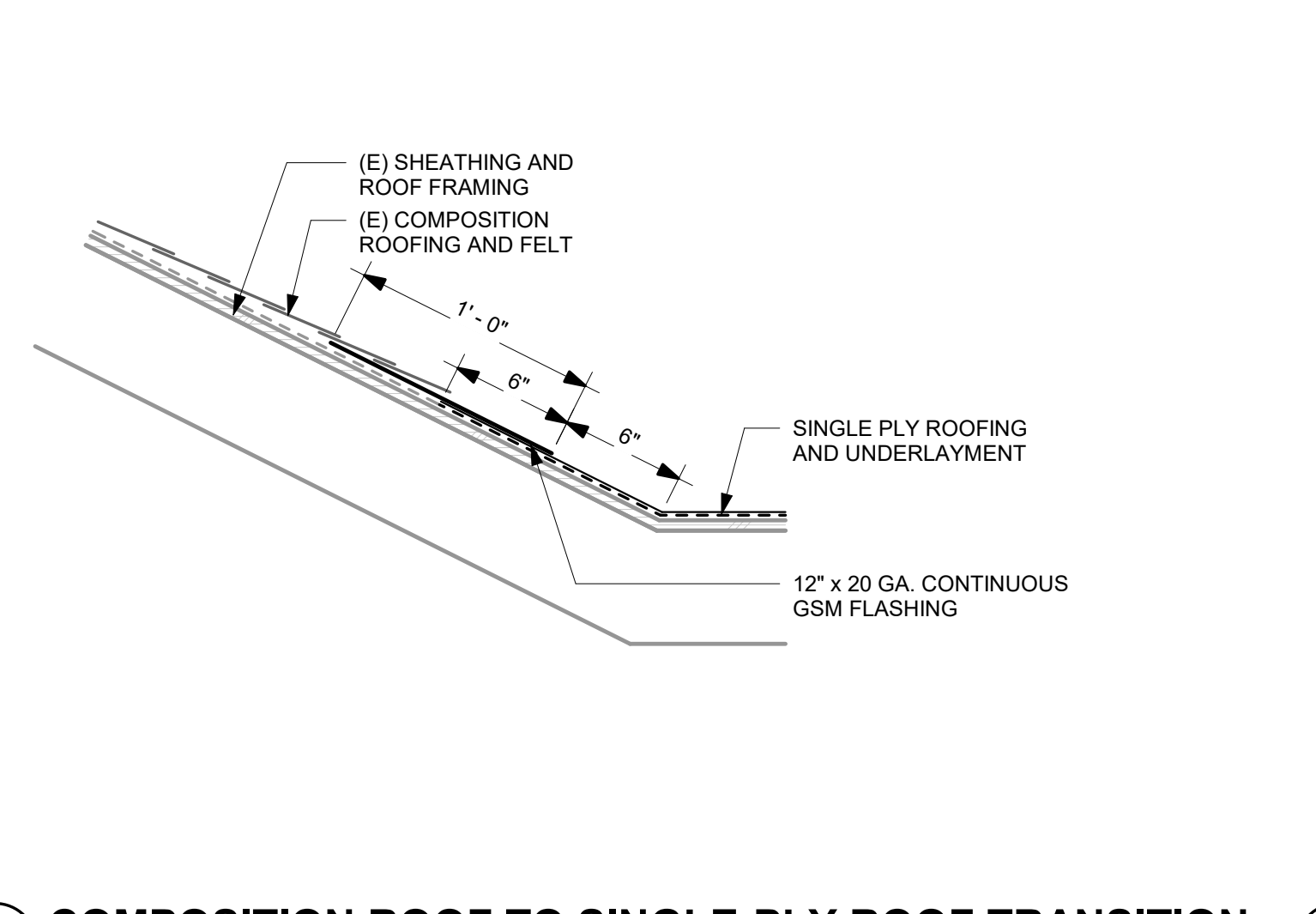
9 CLEARANCES BETWEEN PIPES, WALLS & CURBS
 SCALE: 1" = 1'-0"



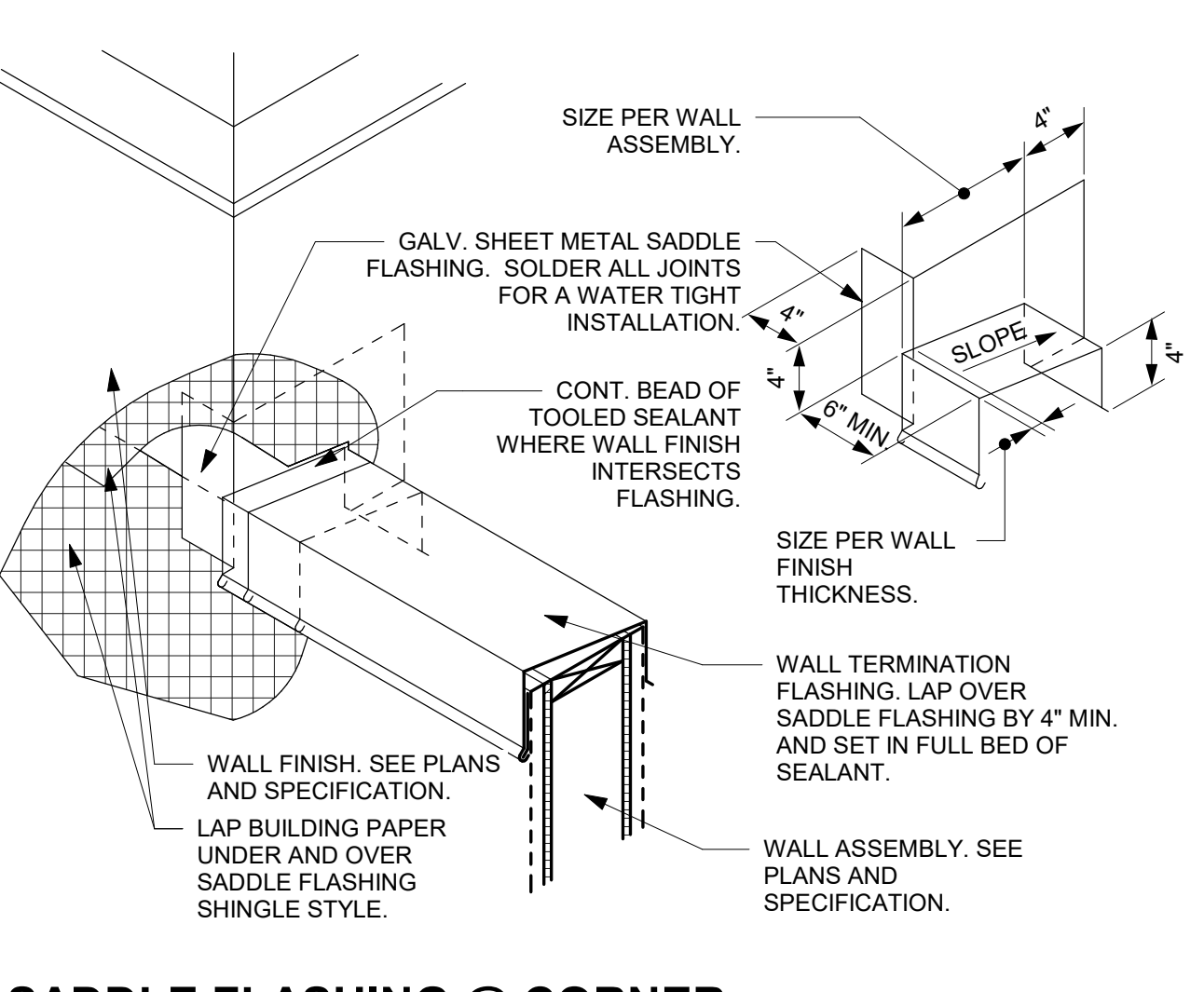
5 ROOFING AT PARAPET
 SCALE: 1 1/2" = 1'-0"



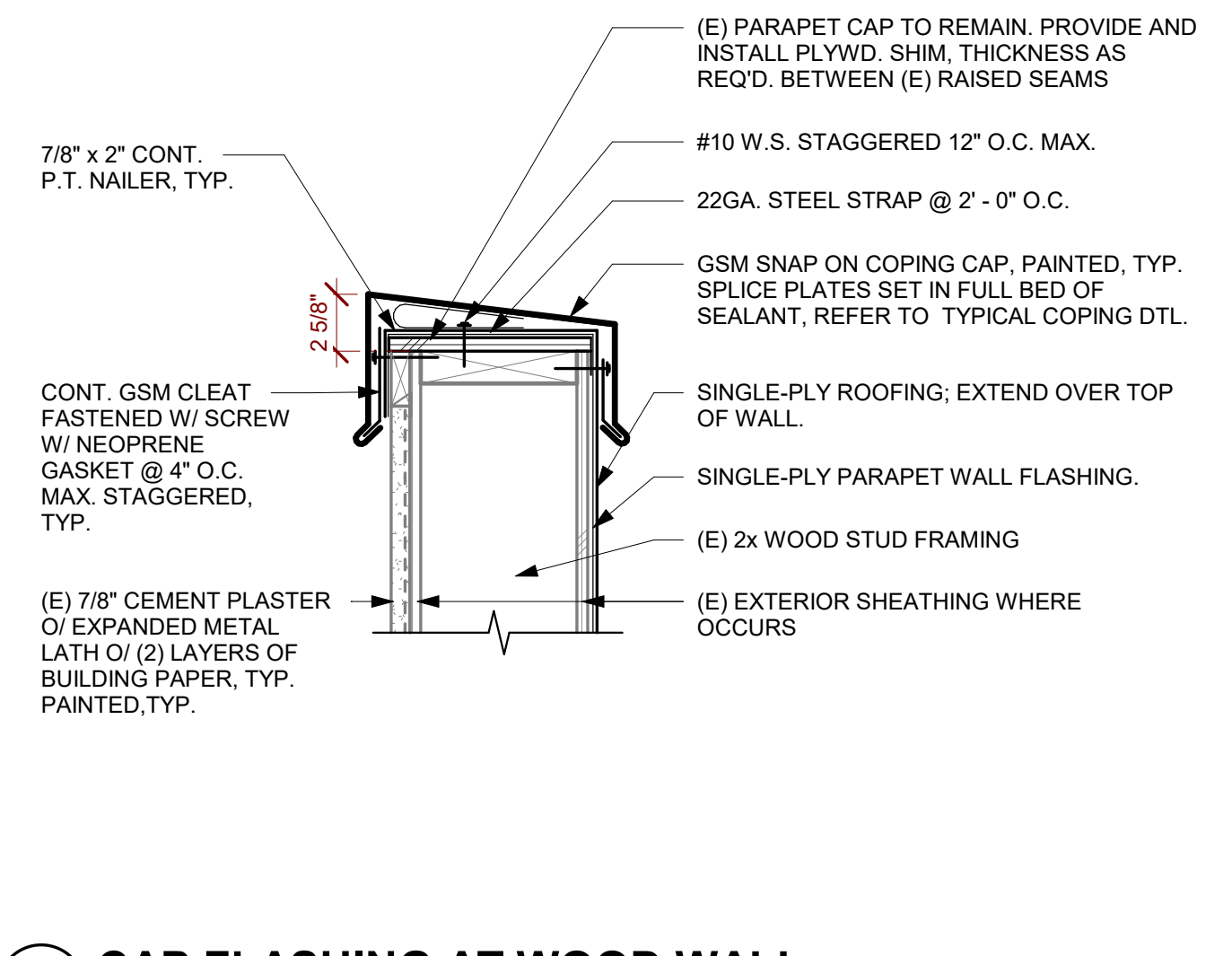
1 ROOF HATCH FLASHING
 SCALE: 3" = 1'-0"



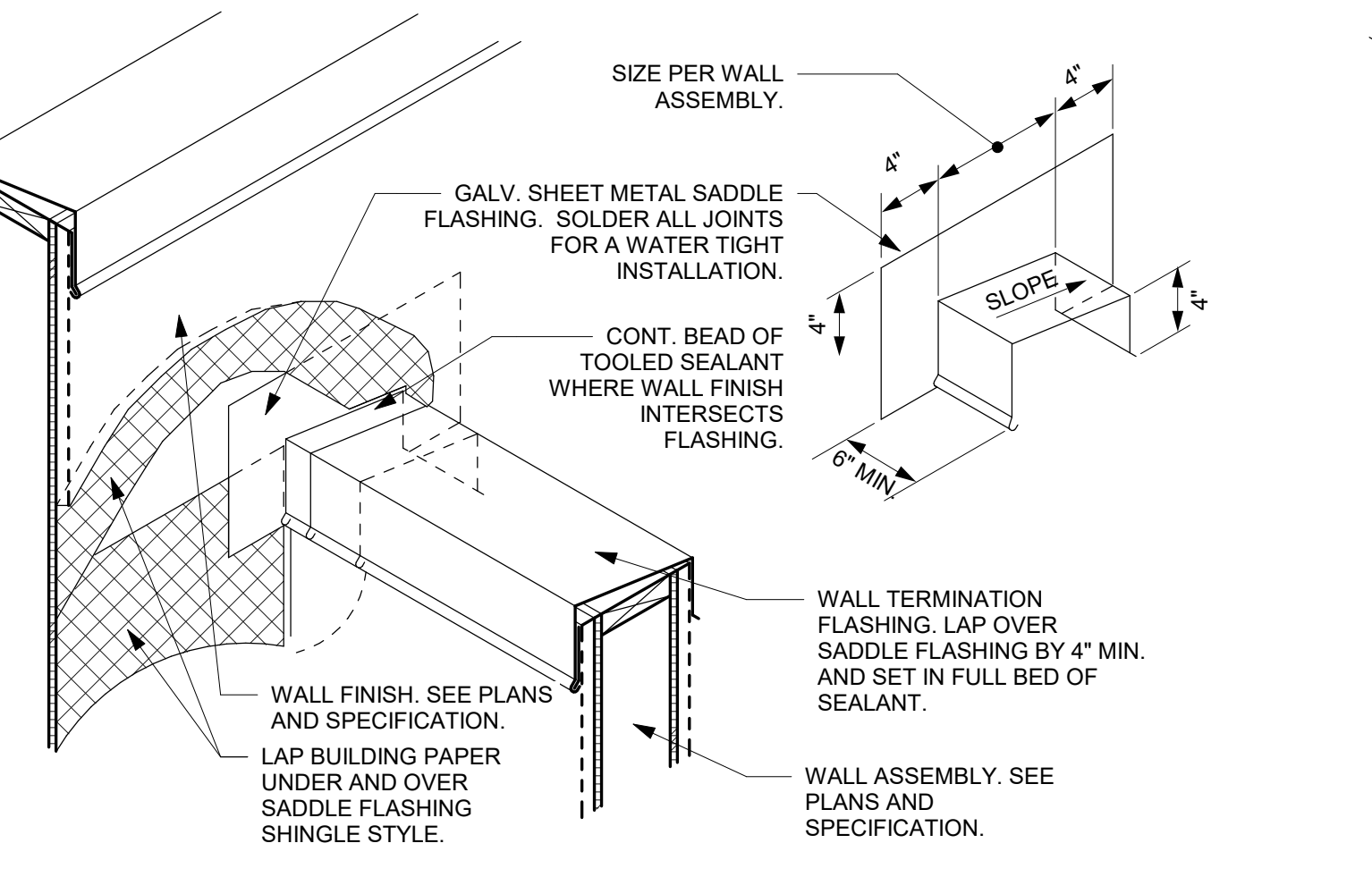
10 COMPOSITION ROOF TO SINGLE-PLY ROOF TRANSITION
 SCALE: 1 1/2" = 1'-0"



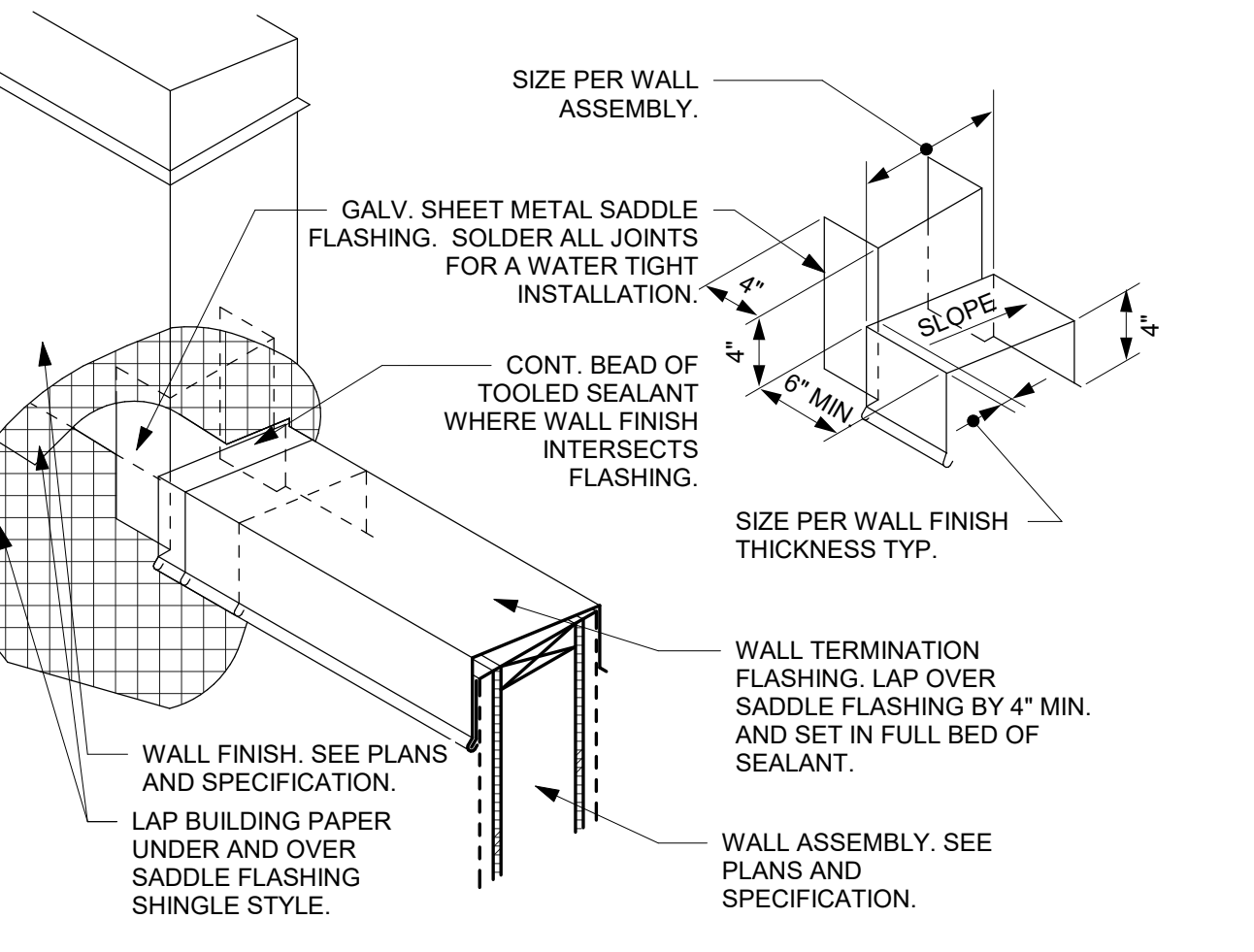
6 SADDLE FLASHING @ CORNER
 SCALE: 1" = 1'-0"



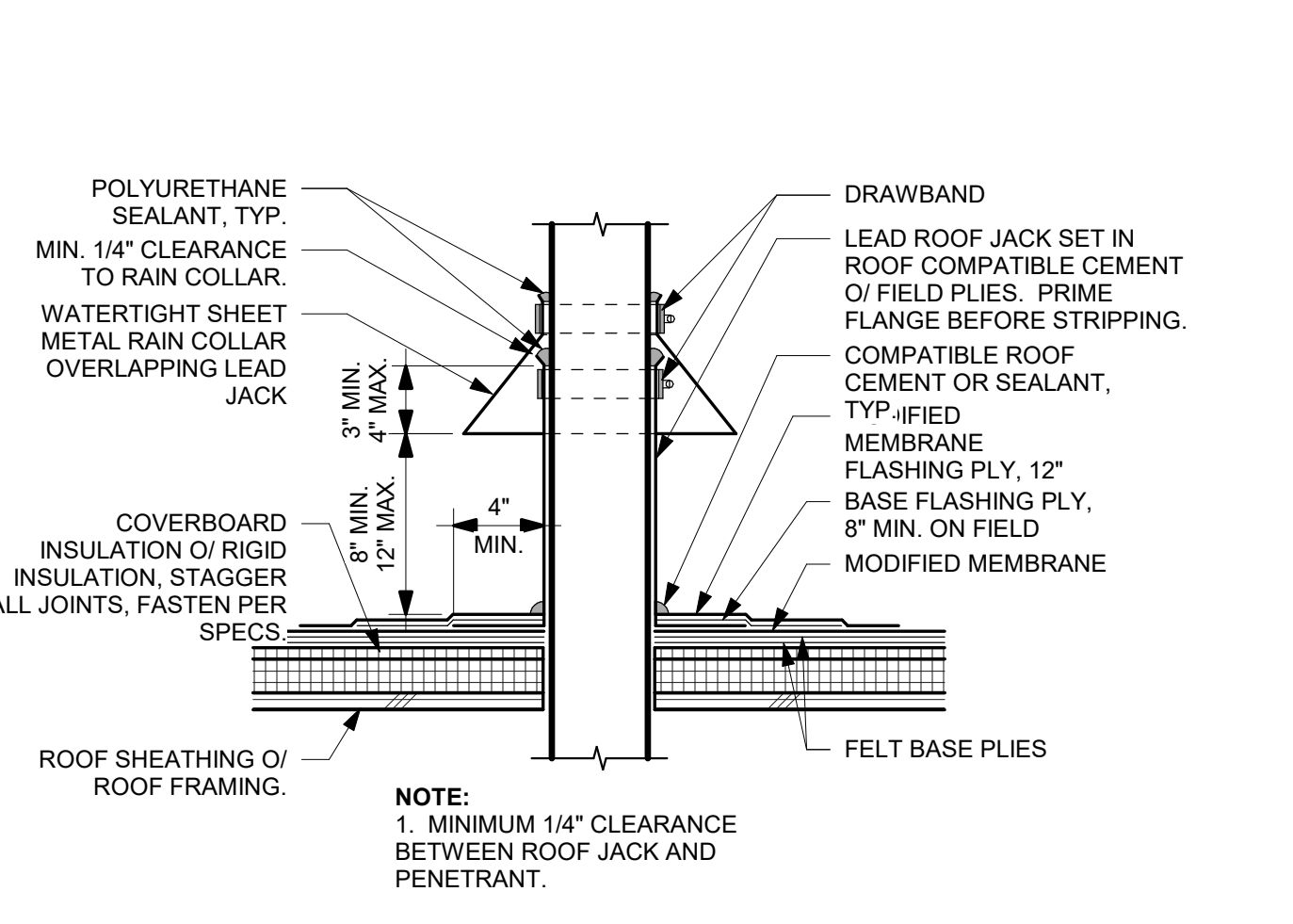
2 CAP FLASHING AT WOOD WALL
 SCALE: 1 1/2" = 1'-0"



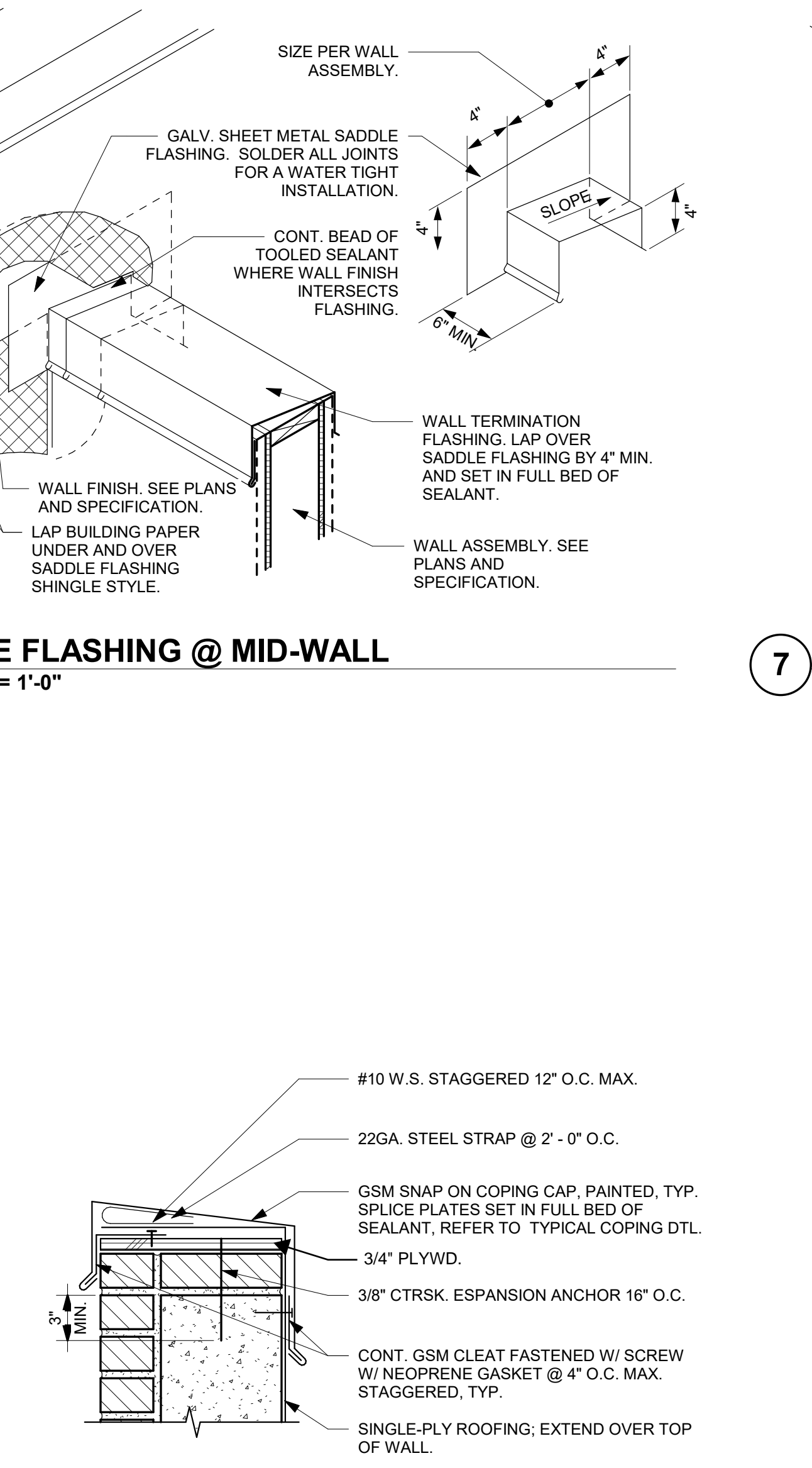
11 SADDLE FLASHING @ MID-WALL
 SCALE: 1" = 1'-0"



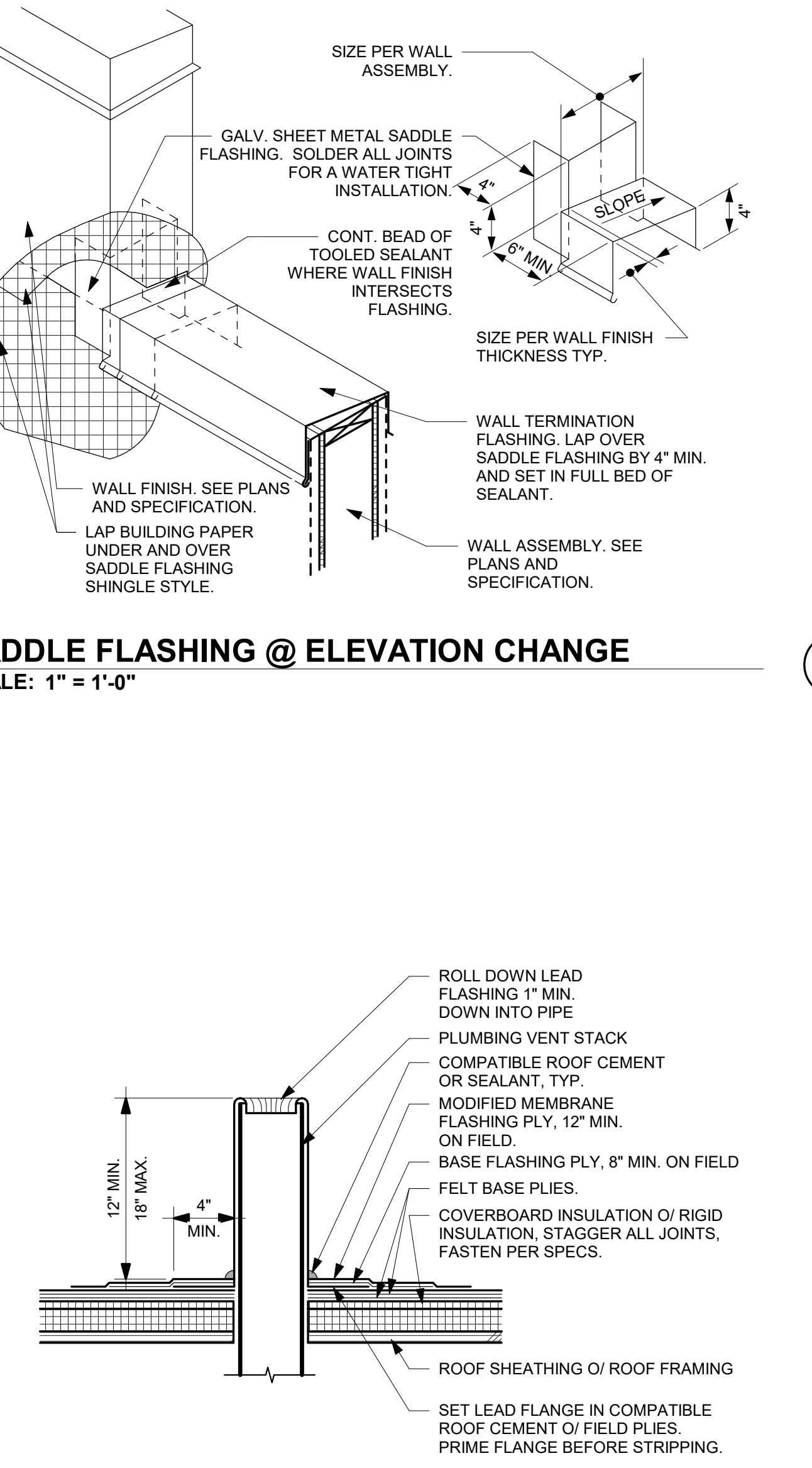
7 SADDLE FLASHING @ ELEVATION CHANGE
 SCALE: 1" = 1'-0"



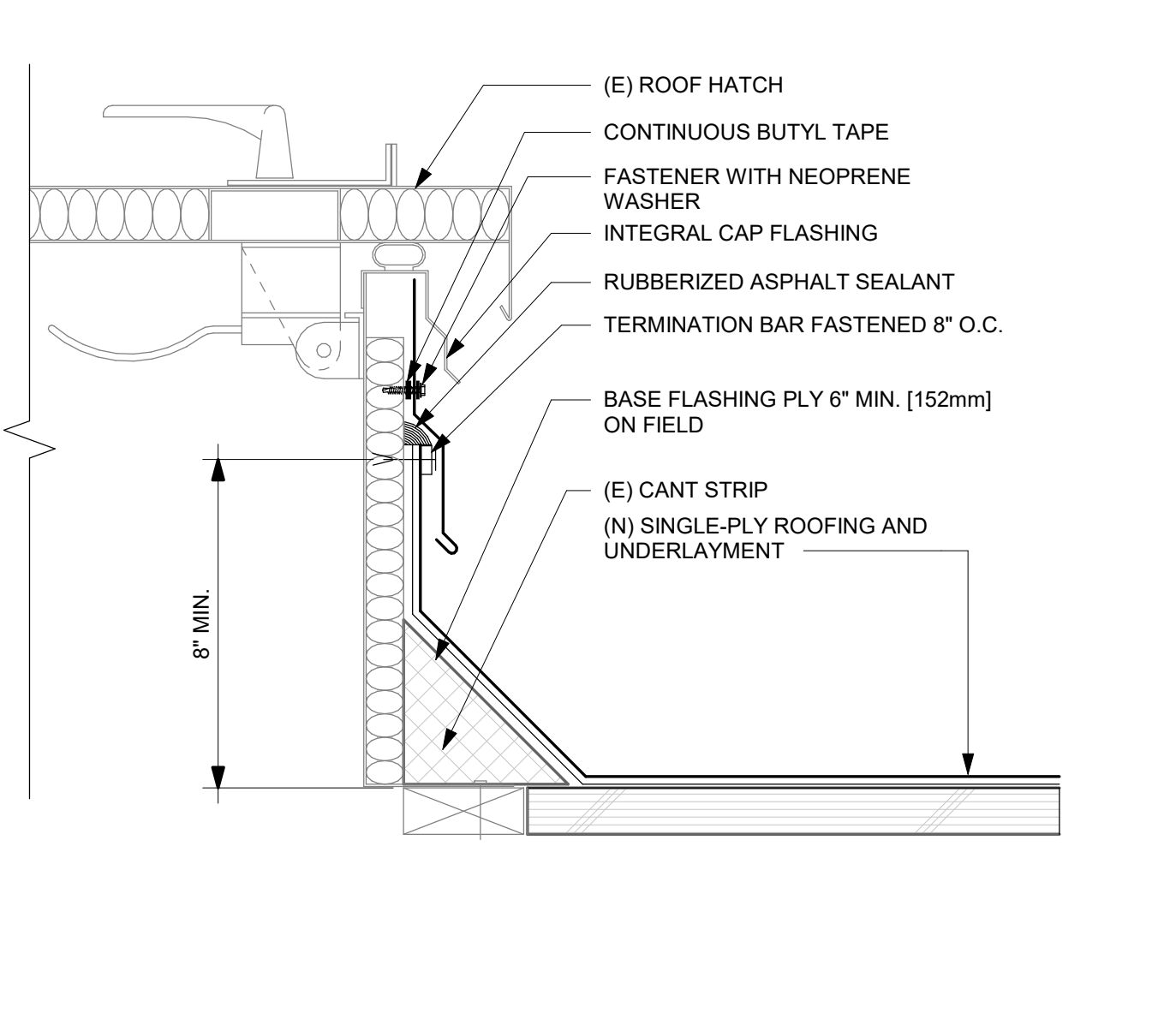
3 TYPICAL PIPE PENETRATION
 SCALE: 1 1/2" = 1'-0"



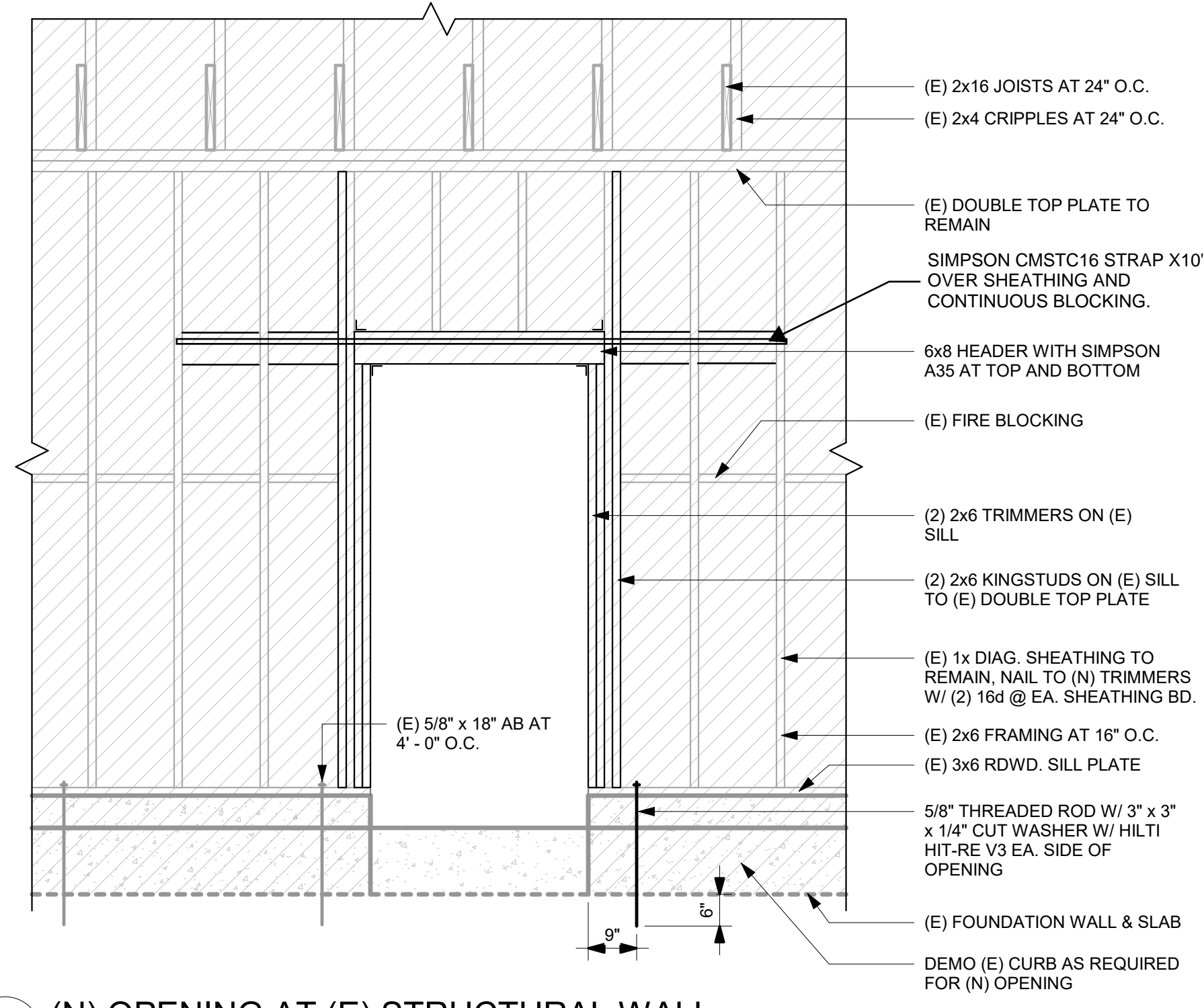
12 CAP FLASHING AT WOOD WALL
 SCALE: 1 1/2" = 1'-0"



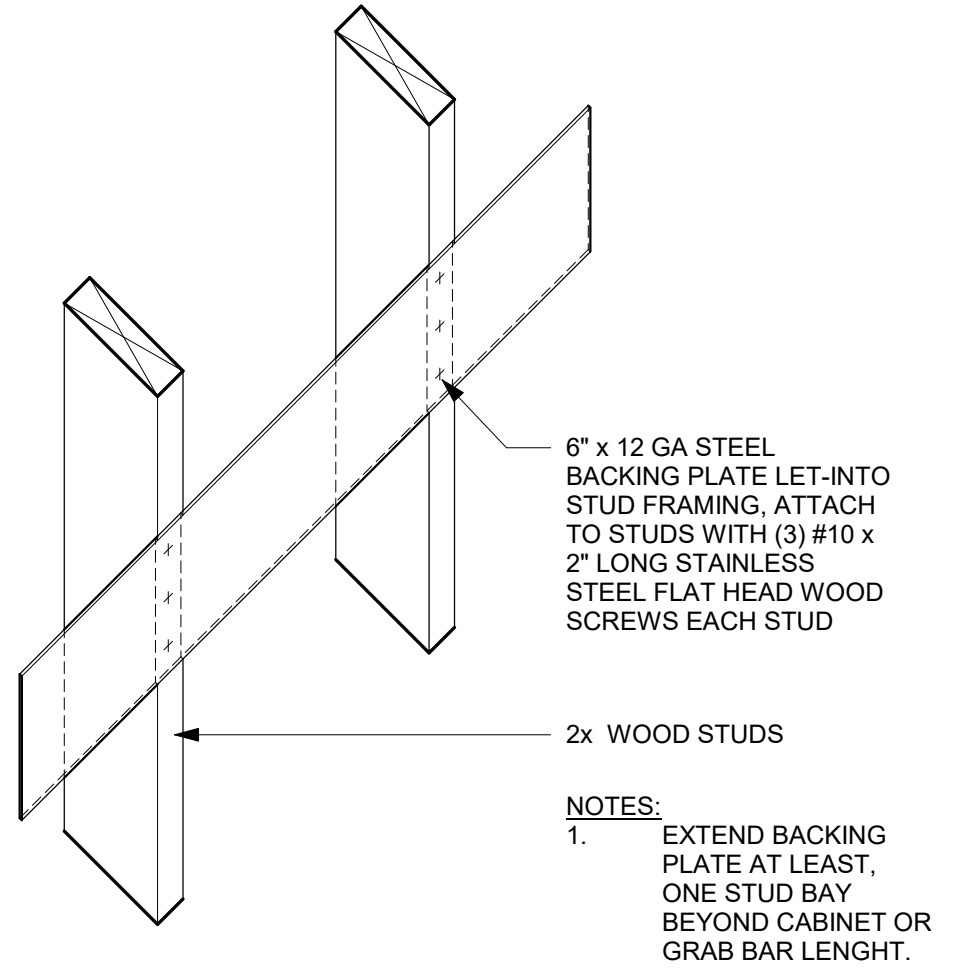
8 TYPICAL PLUMBING VENT
 SCALE: 1 1/2" = 1'-0"



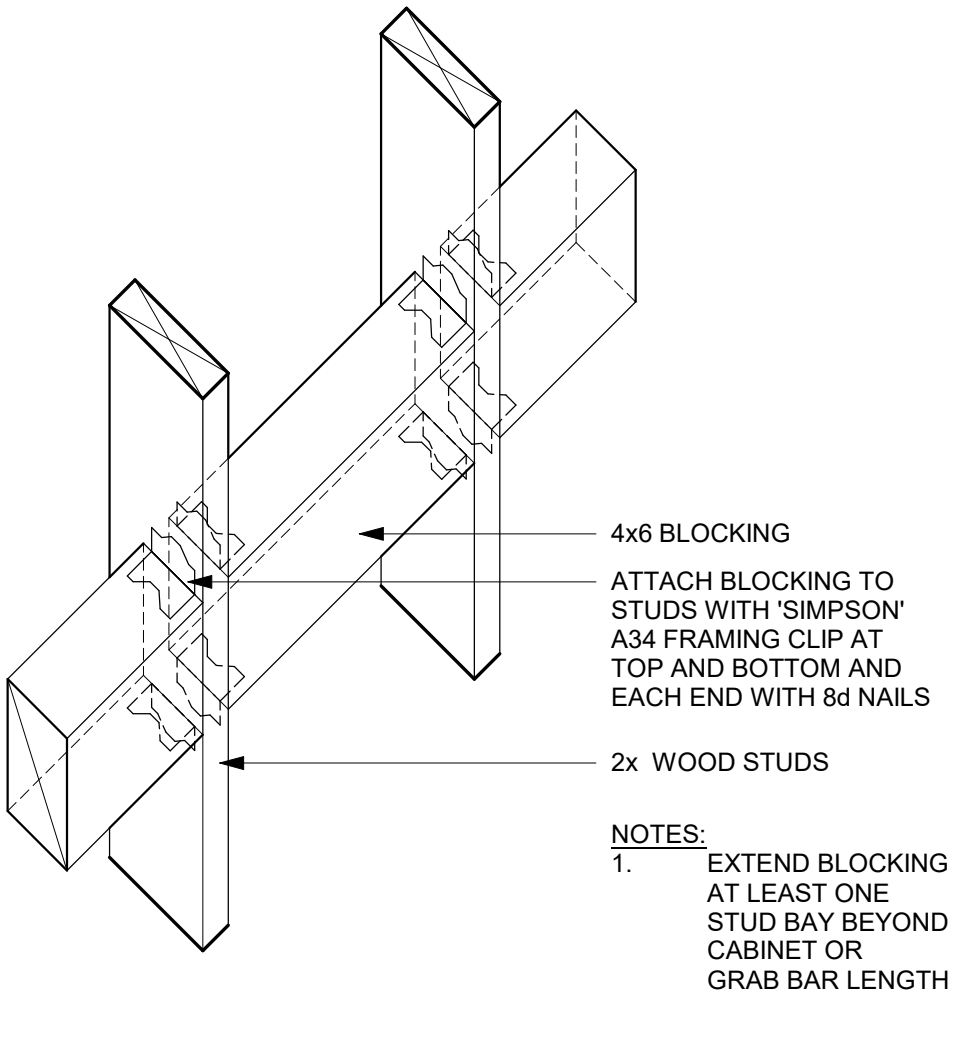
4 ROOF HATCH FLASHING
 SCALE: 3" = 1'-0"



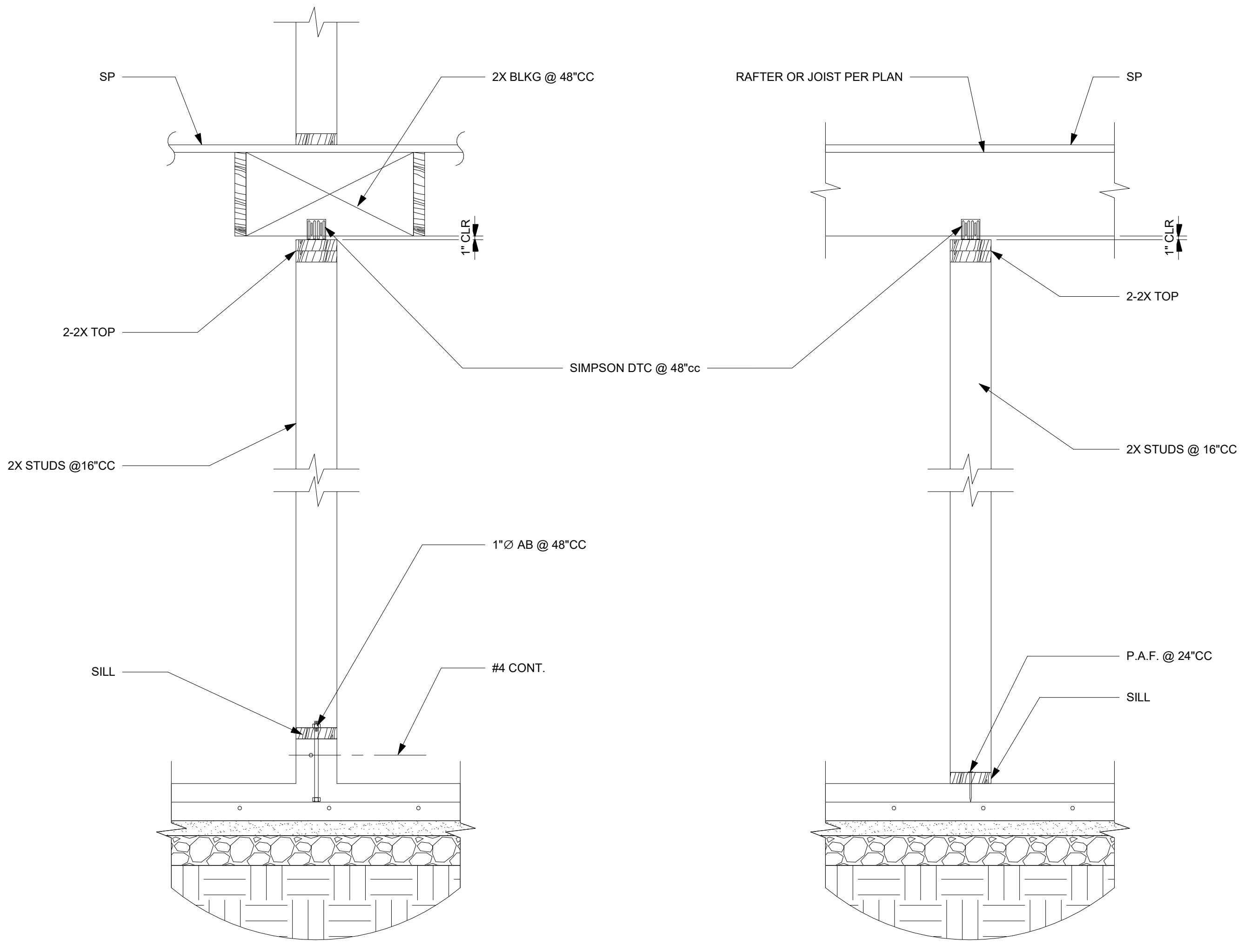
3 (N) OPENING AT (E) STRUCTURAL WALL
SCALE: 1/2" = 1'-0"



4 TYPICAL WALL BACKING PLATE
SCALE: 1 1/2" = 1'-0"

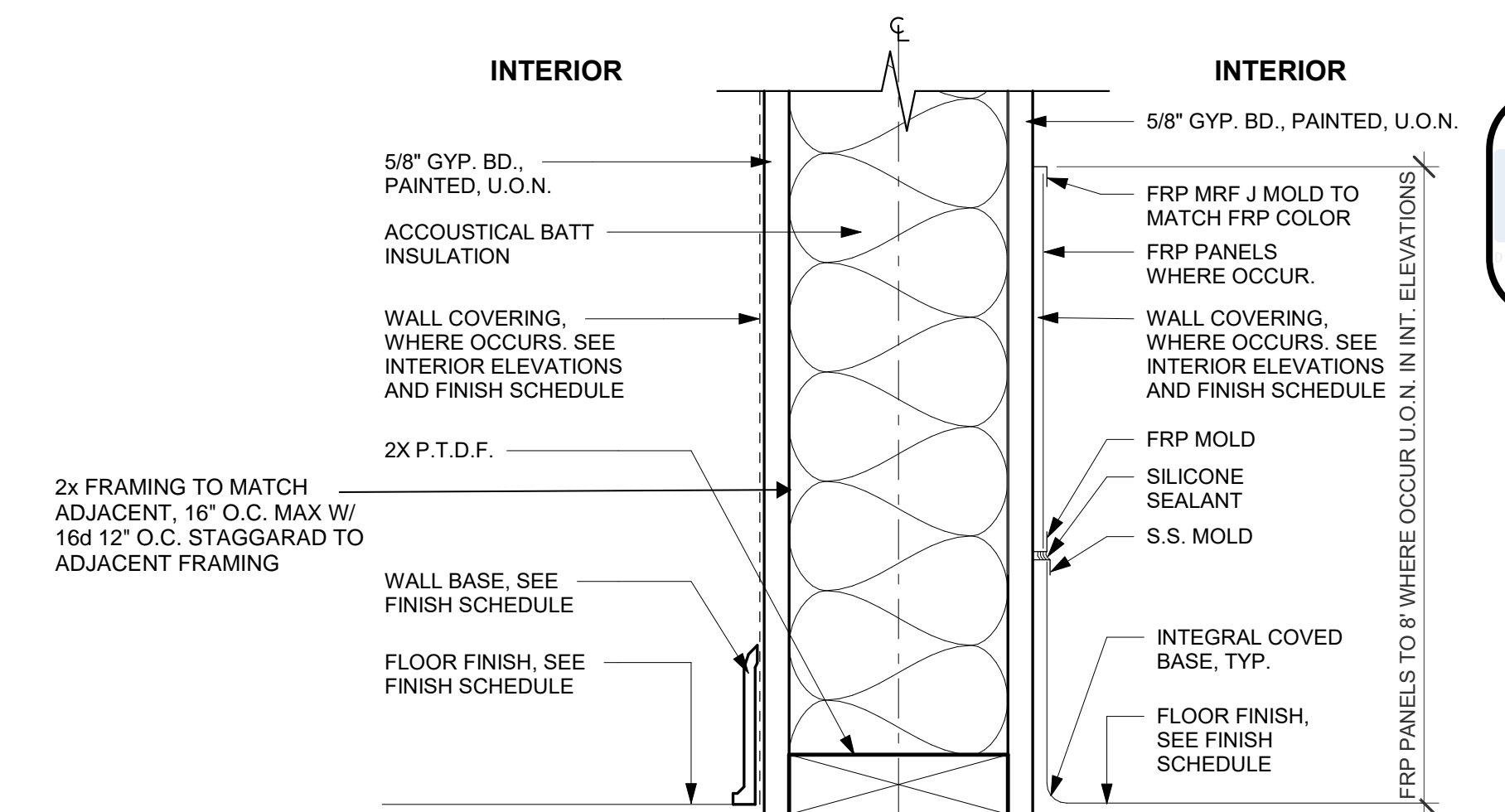


5 TYPICAL WALL BLOCKING
SCALE: 1 1/2" = 1'-0"

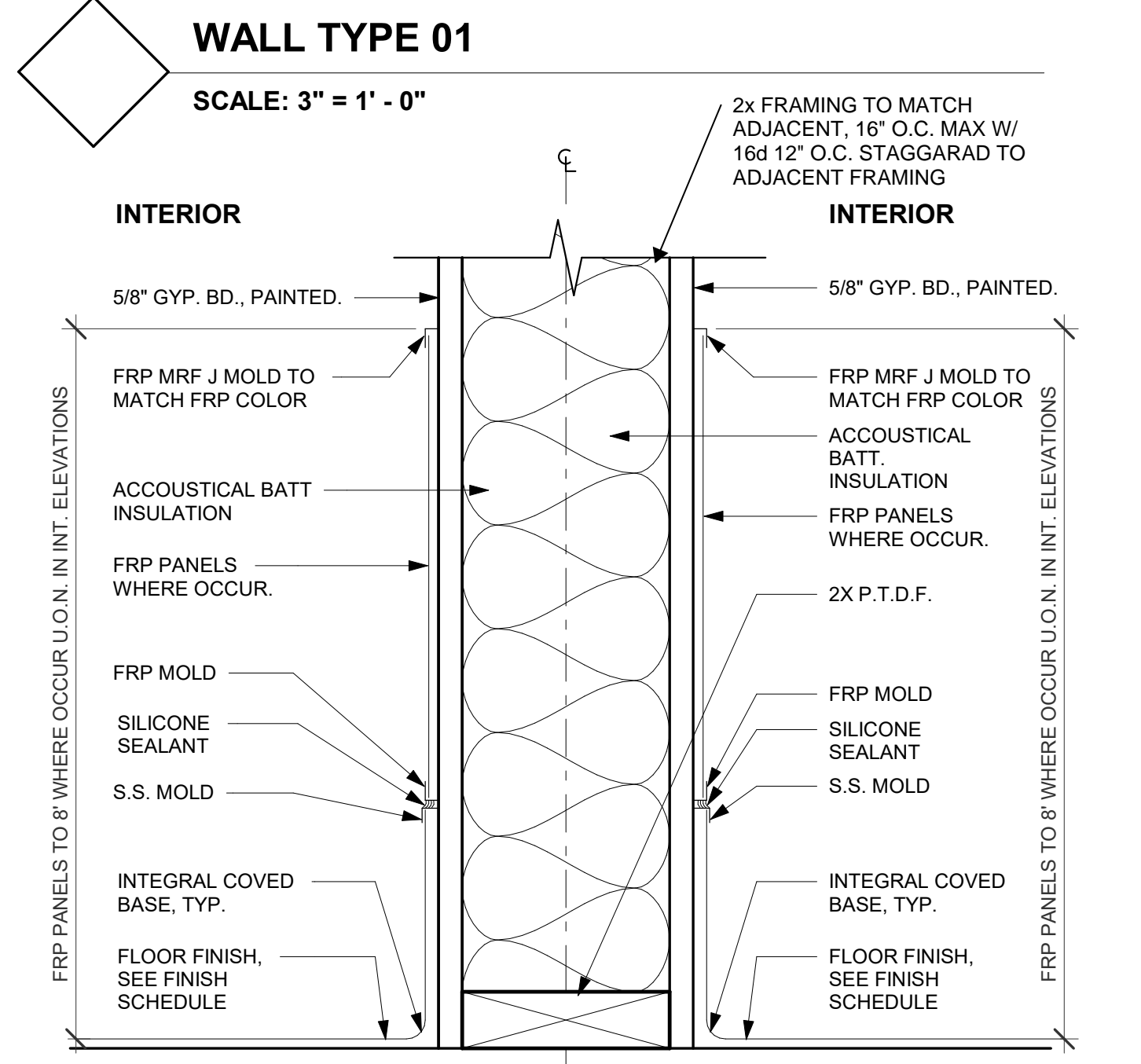


T03.09A PARTITION FRAMING

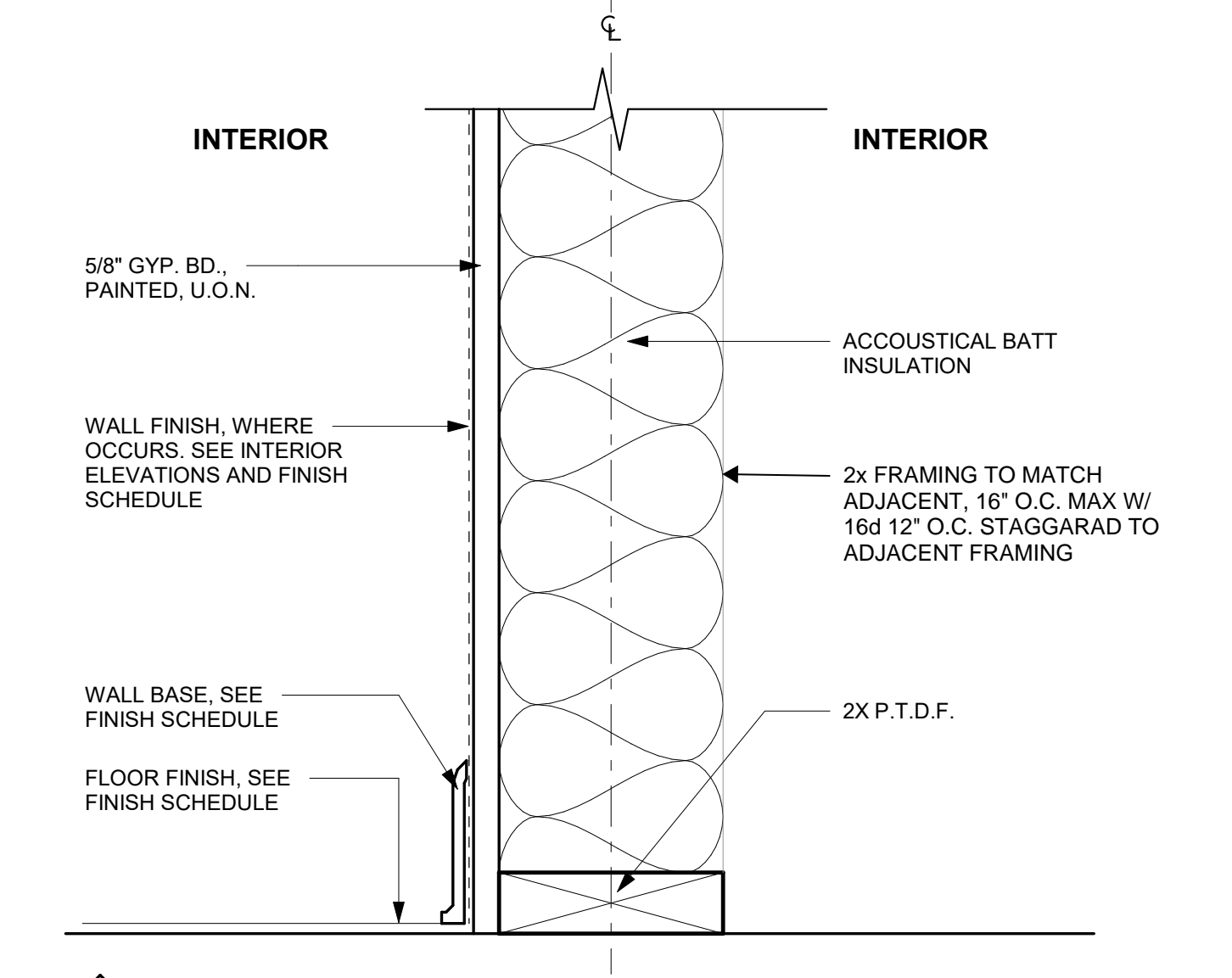
1 NON-BEARING PARTITION FRAMING
SCALE: 1" = 1'-0"



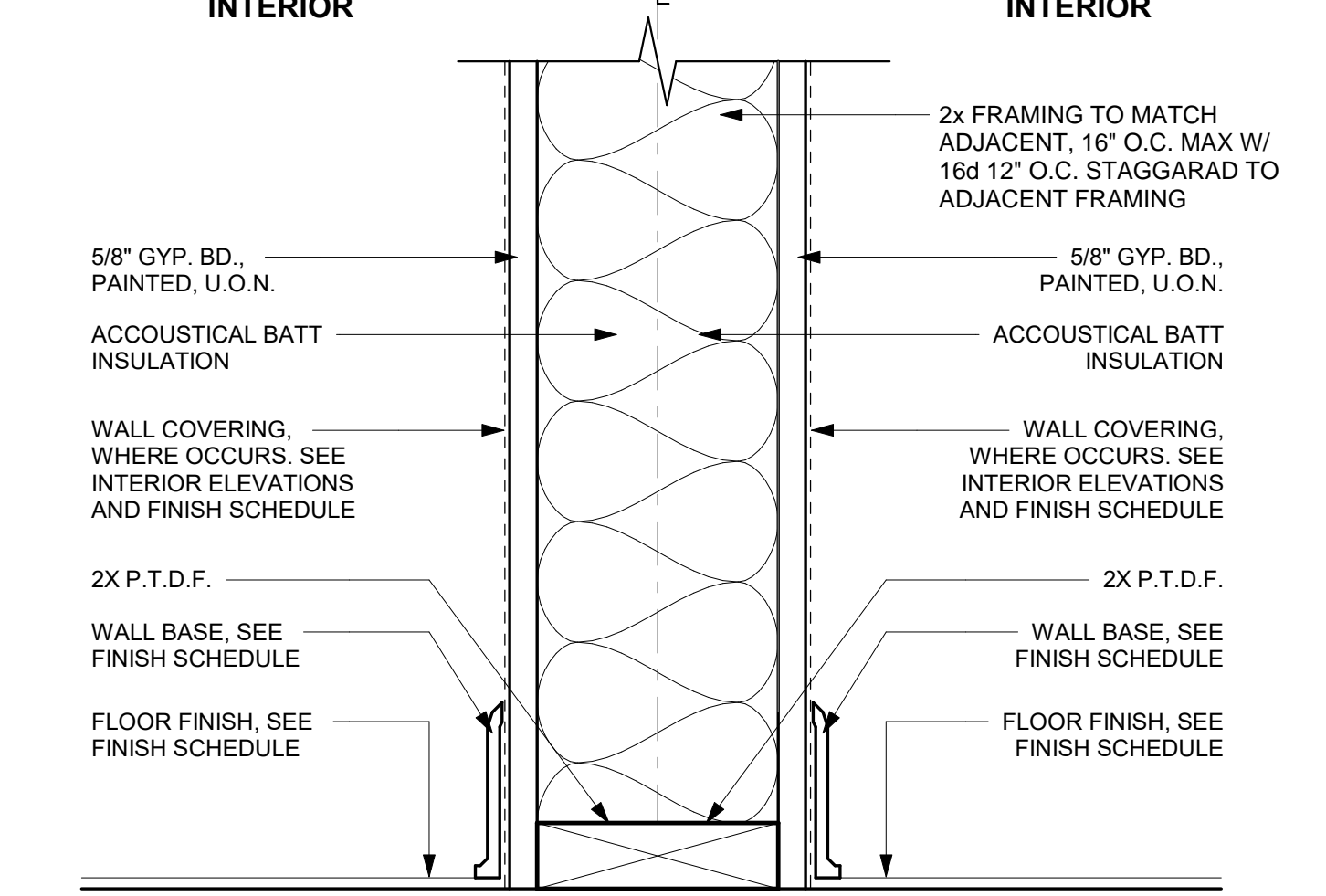
ADDITIONAL WALL TYPES:
01a - REPLACE 2x6 WOOD STUD WITH 2x4 WOOD STUD.
01b - REMOVE WALL COVERING ON INTERIOR STORAGE RM #56 AND REPLACE WITH PAINT, U.O.N.
01c - REPLACE 2x6 WOOD STUD WITH 2x4 WOOD STUD & REPLACE 5/8\"/>



WALL TYPE 02
SCALE: 3" = 1'-0"



WALL TYPE 03
SCALE: 3" = 1'-0"



ADDITIONAL WALL TYPES:
04a - REPLACE 5/8\"/>

WALL TYPE 04 WALL INFILL
SCALE: 3" = 1'-0"

IDENTIFICATION STAMP
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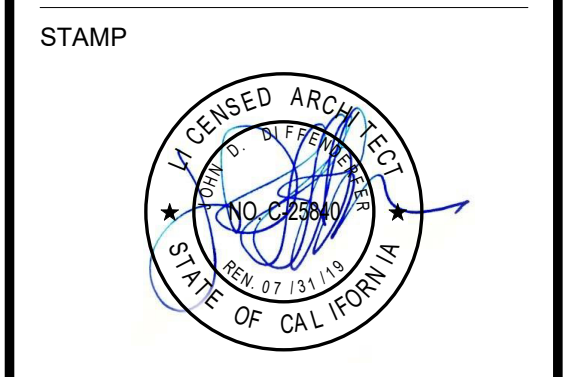
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PROJECT
**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**



Grass Valley
School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
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1

MILESTONES
SD
DD
50% CD
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DSA SUB 01/18/2019
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SHEET
WALL TYPES

DATE 04/08/2019
JOB # 2018044
SHEET #

A9.01

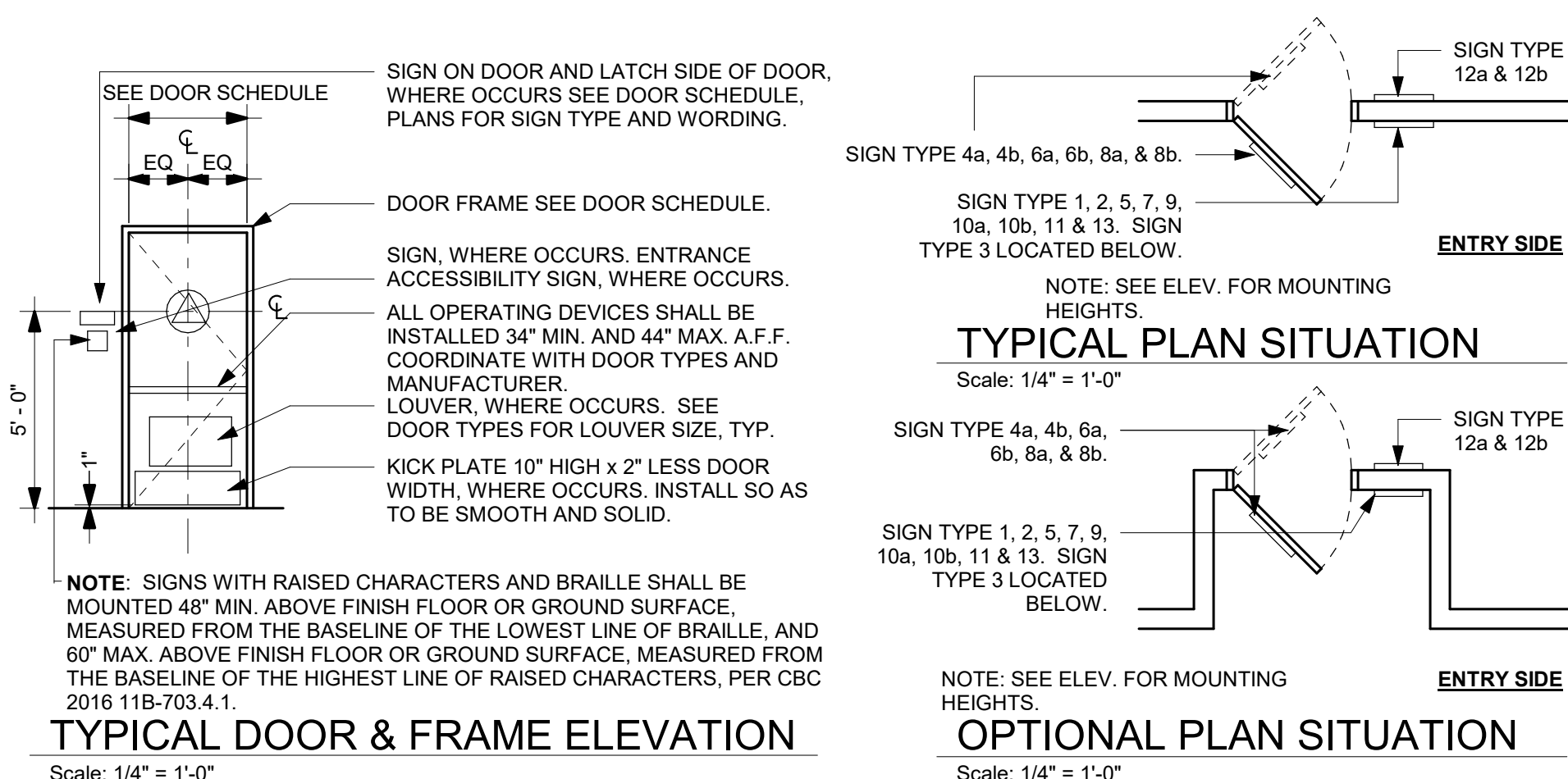
NO	OPENING SIZE		DOOR			FRAME		DETAILS (Sheet A10.02 U.O.N.)		FIRE RATIN G (min.)	HARDWARE GROUP	SIGN LANGUAGE		COMMENTS
	WIDTH	HEIGHT	TYPE	FINISH	GLAZING	TYPE	FINISH	HEAD	JAMB			TYPE	LANGUAGE	
37	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	--	SEE SPEC	4a, 4b, 5	GIRLS	
42a	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	20 MIN.	SEE SPEC	6a, 6b, 7	BOYS	
43a	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	20 MIN.	SEE SPEC	8a, 8b, 9	PRE-K	
48	3'-0"	7'-0"	(E)	(E)	--	(E)	(E)	(E)	(E)	--	(E)	6a, 6b, 7	BOYS	
51	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	--	SEE SPEC	4a, 4b, 5	GIRLS	
55	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	20 MIN.	SEE SPEC	8a, 8b, 9	STAFF	
56a	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5B/A10.02	5B/A10.02	--	SEE SPEC			
56b	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5B/A10.02	5B/A10.02	--	SEE SPEC			
57a	3'-0"	7'-0"	A	PAINT	--	F1	PAINT	5A/A10.02	5A/A10.02	20 MIN.	SEE SPEC	8a, 8b, 9	STAFF	
99	3'-4"	7'-0"	(E)	(E)	--	(E)	(E)	(E)	(E)	--	(E)	6a, 6b, 7	MENS	
127	3'-0"	7'-0"	(E)	(E)	--	(E)	(E)	(E)	(E)	--	(E)	6a, 6b, 7	BOYS	
161	3'-0"	7'-0"	(E)	(E)	--	(E)	(E)	(E)	(E)	--	(E)	4a, 4b, 5	GIRLS	
187	3'-4"	7'-0"	(E)	(E)	--	(E)	(E)	(E)	(E)	--	(E)	4a, 4b, 5	WOMEN	

- ### DOOR SCHEDULE GENERAL NOTES
- CONTRACTOR SHALL COORDINATE, PRIOR TO FABRICATION, DOOR FRAME DEPTH TO ACCEPT ALL WALL FINISHES AS DETAILED IN THE DRAWINGS.
 - ALL ROOMS WITH AN OCCUPANCY OF 5 OR MORE PERSONS SHALL BE LOCKABLE FROM THE INSIDE IN COMPLIANCE WITH DSA BULLETIN 11-05, EXCEPTIONS AS NOTED IN THE BULLETIN.
 - REFER TO DETAIL 12A10.01 FOR SIGN TYPES.
 - REFER TO TYPICAL DOOR NOTES DETAIL FOR SIGN PLACEMENT.
 - CONTRACTOR SHALL VERIFY SIGN LANGUAGE WITH DISTRICT PRIOR TO FABRICATION.

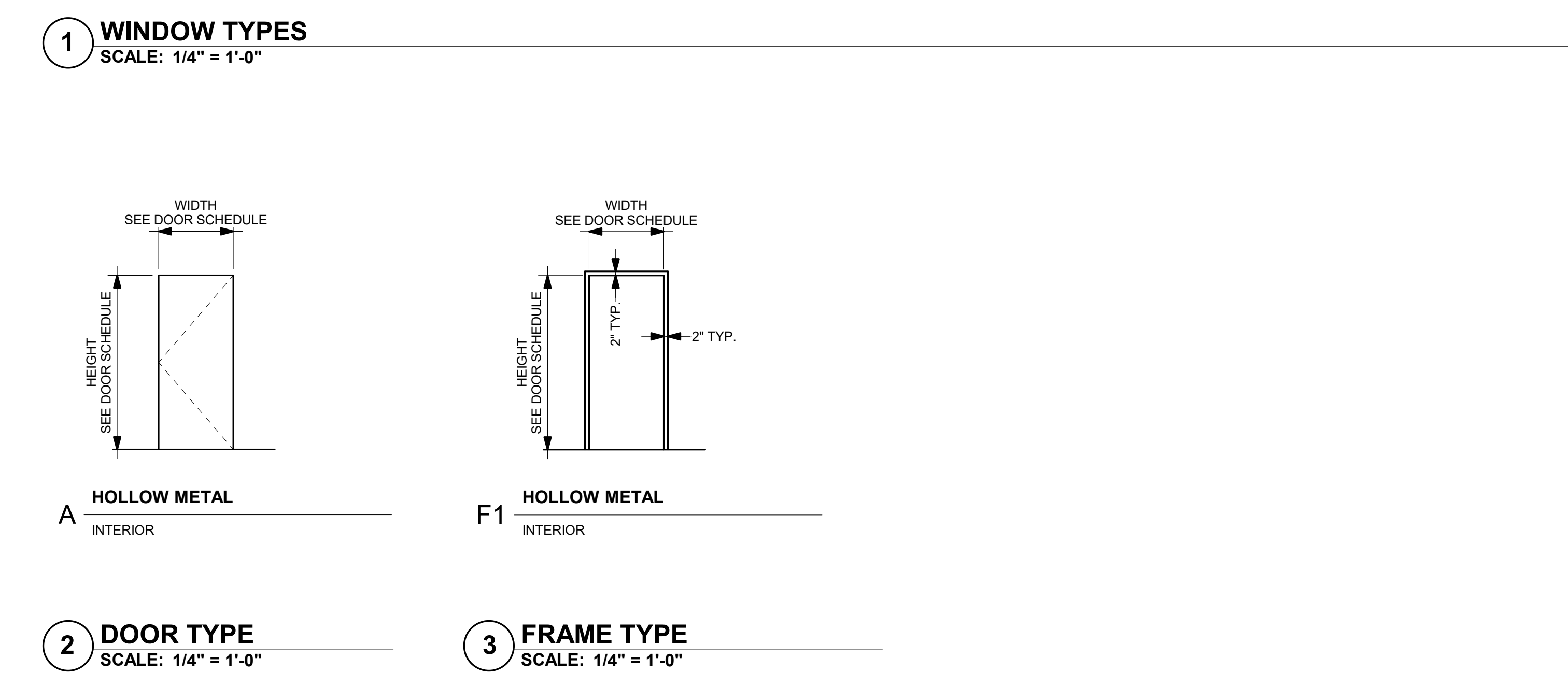
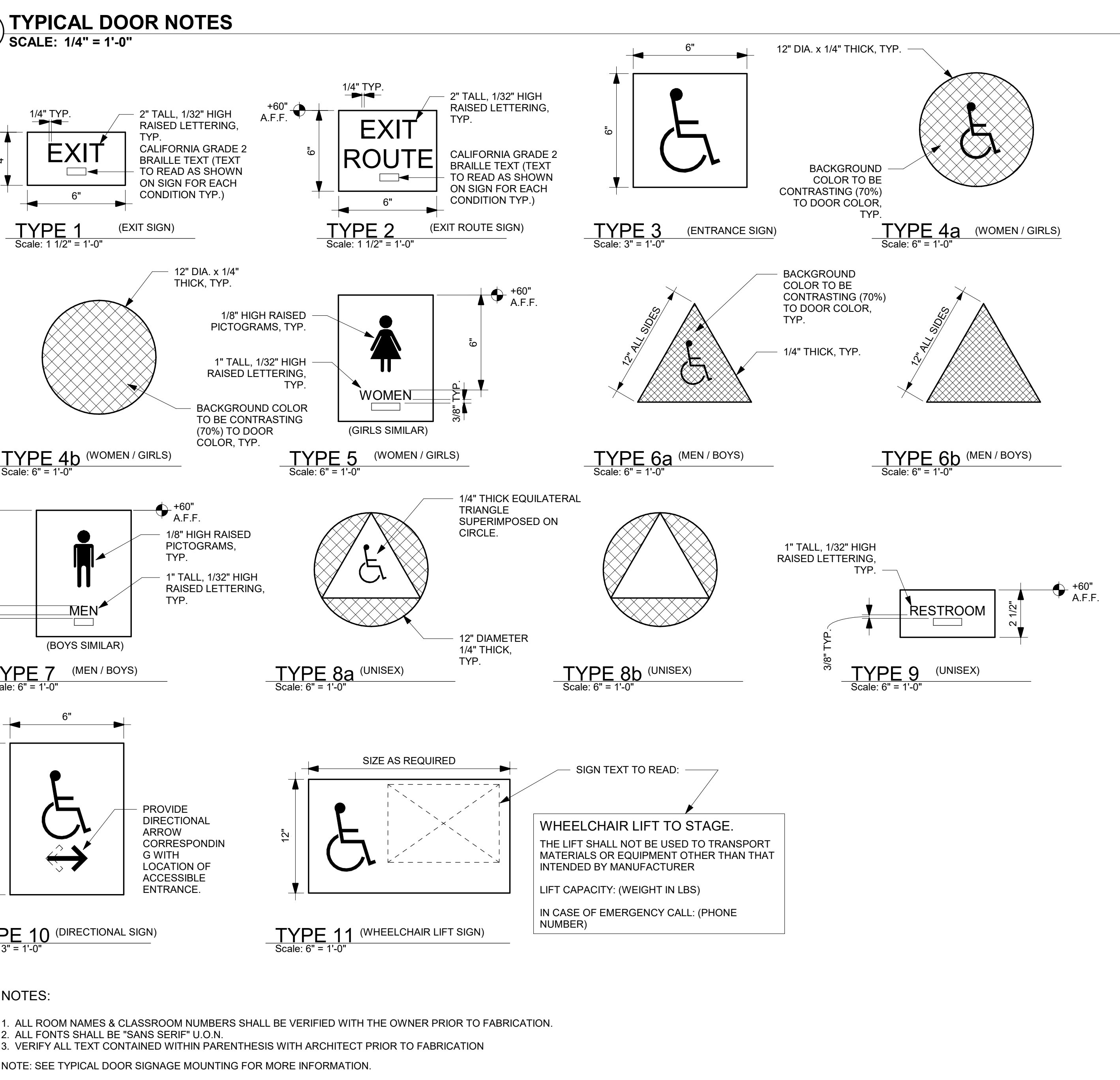
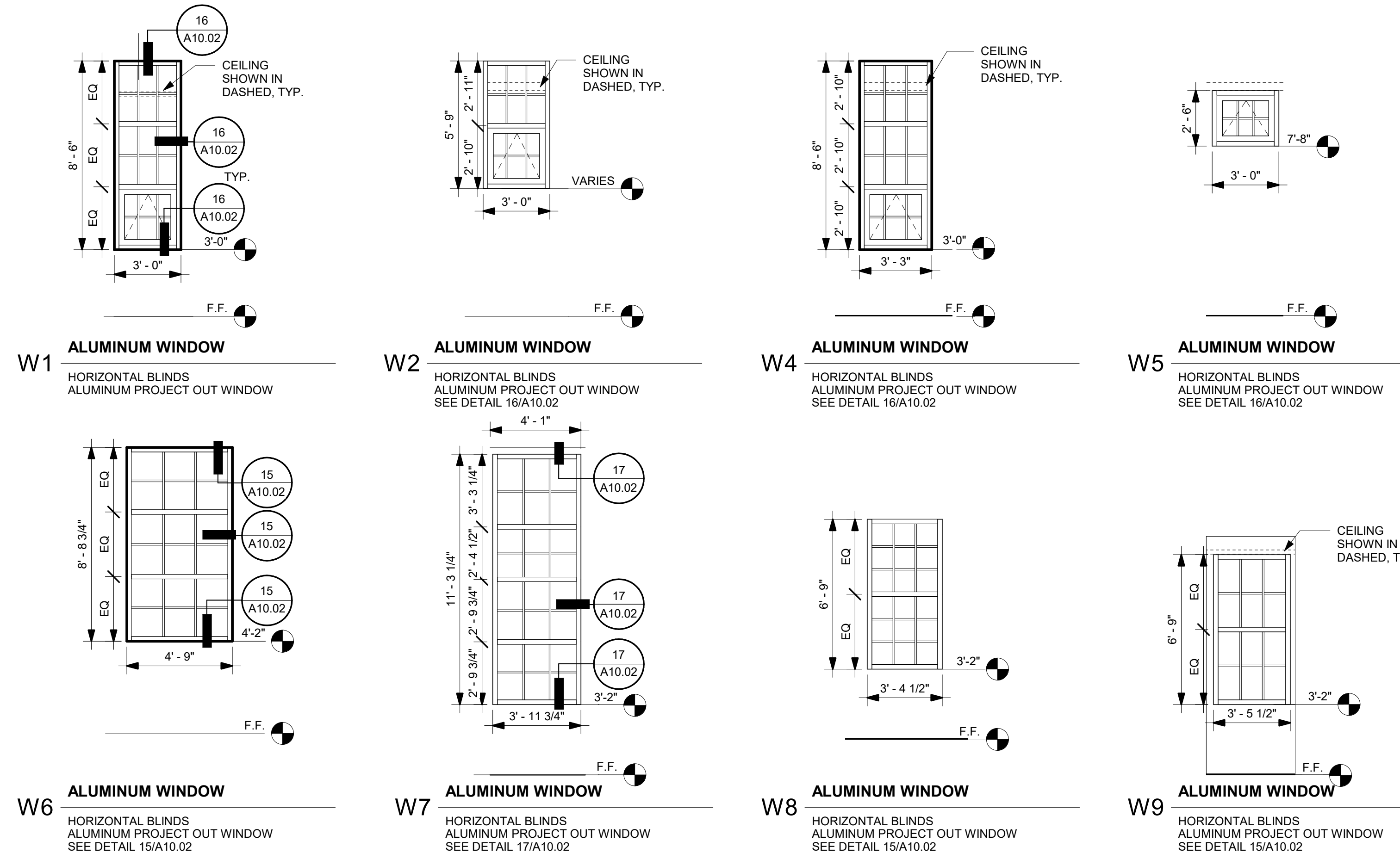
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- ### NOTES:
- PROVIDE TRIANGULAR SIGN (WITH 12" SIDES) AT ALL MEN'S AND BOYS, AND CIRCULAR SIGN (WITH 12" DIAMETER) AT ALL WOMEN'S AND GIRLS TOILET DOORWAYS AND WALL ADJACENT TO LATCH LEADING TO SANITARY FACILITIES PER CBC 2016 SECTION 11B-216.8 & 11B-703.7.2.6. MOUNTED AT 5'-0" TO CENTER OF SIGN TO ALL RATED DOORS TO BE POSITIVE LATCHING AND SELF CLOSING. ALL DOORS TO COMPLY WITH 2013 CBC, SEC. 716.
 - NOTE: SEE ELEV. FOR MOUNTING HEIGHTS.
 - ALL 20 MINUTE RATED ASSEMBLIES SHALL BE PROVIDED WITH APPROVED GASKETING MATERIAL INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP. (PER U.B.C. STANDARDS)
 - ALL DOORS SHALL BE 1-3/4" THICK U.O.N.
 - ALUMINUM EXTERIOR SIGNAGE FRAMES SHALL BE ATTACHED TO SUBSTRATE WITH VANDAL PROOF FASTENERS WITH EXPANSION SHIELDS. NAME OR ROOM NAME PLATES SHALL BE ATTACHED TO FRAME WITH BRASS SCREWS, AS APPROVED BY ARCHITECT.
 - ALL BRAILLE TEXT SHALL BE CALIFORNIA GRADE 2 BRAILLE PER TITLE 24, SECTION 11B-703.3, TYP.
 - ALL SIGNS AND IDENTIFICATION (AT MAIN ENTRANCE, TOILETS, PERMANENT ASSISTIVE LISTENING, ETC. SHALL COMPLY WITH TITLE 24 AND CBC SECTIONS 11B-216 AND 11B-703.1 THROUGH 11B-703.7.
 - CONTRACTOR TO VERIFY ALL OPENING DIMENSIONS IN FIELD.



PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
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REVISIONS

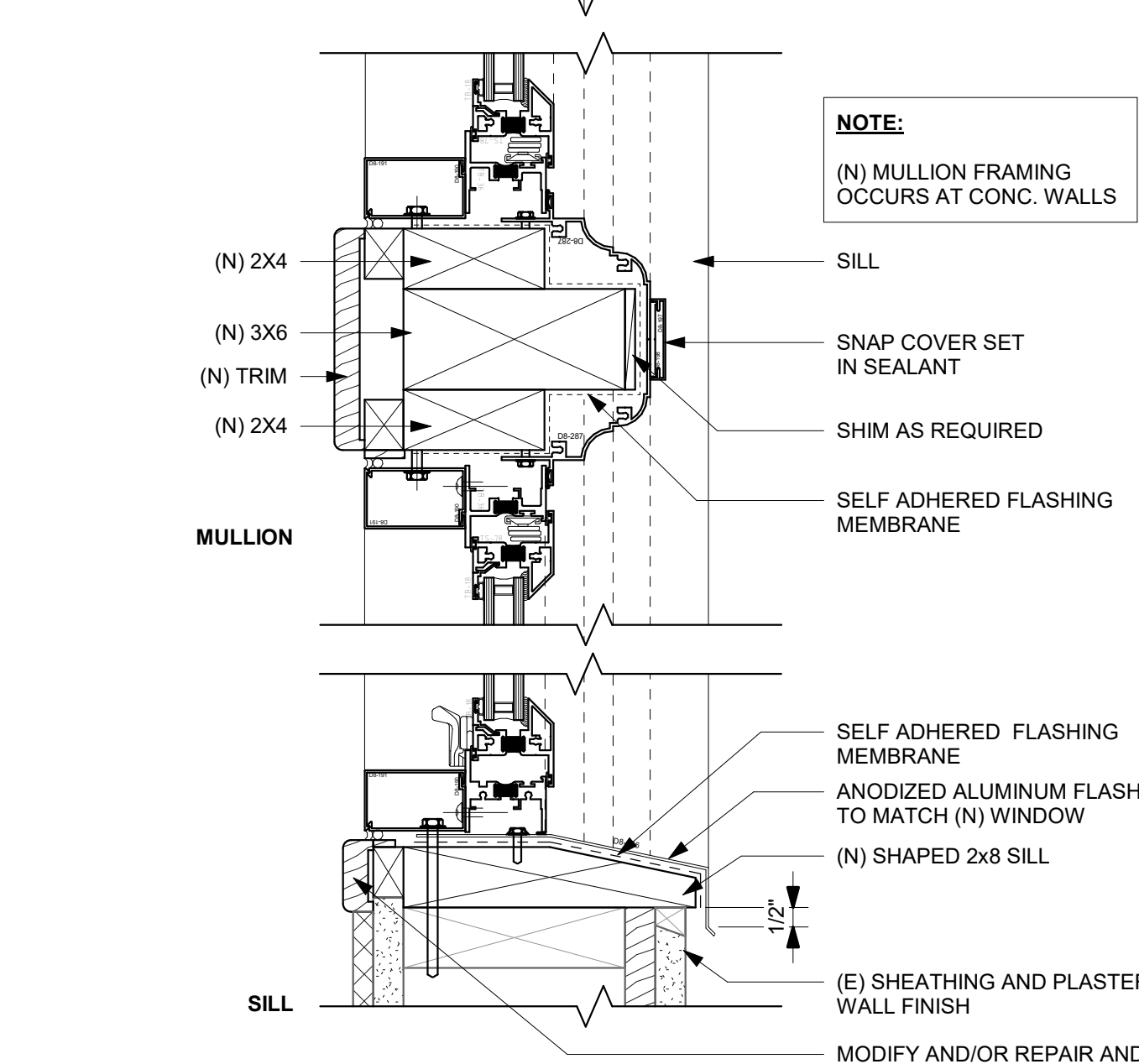
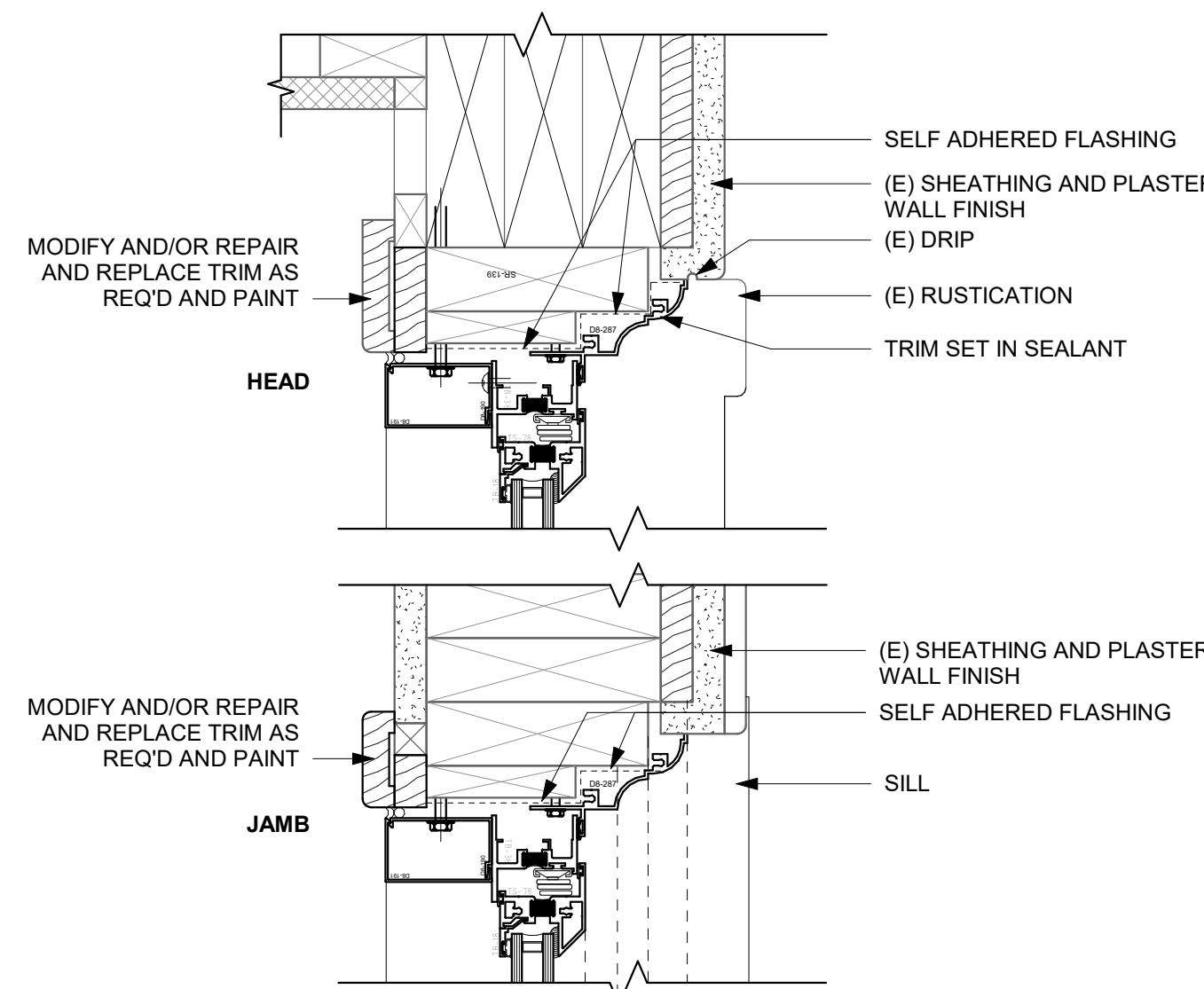
No.	Description	Date
1		

MILESTONES
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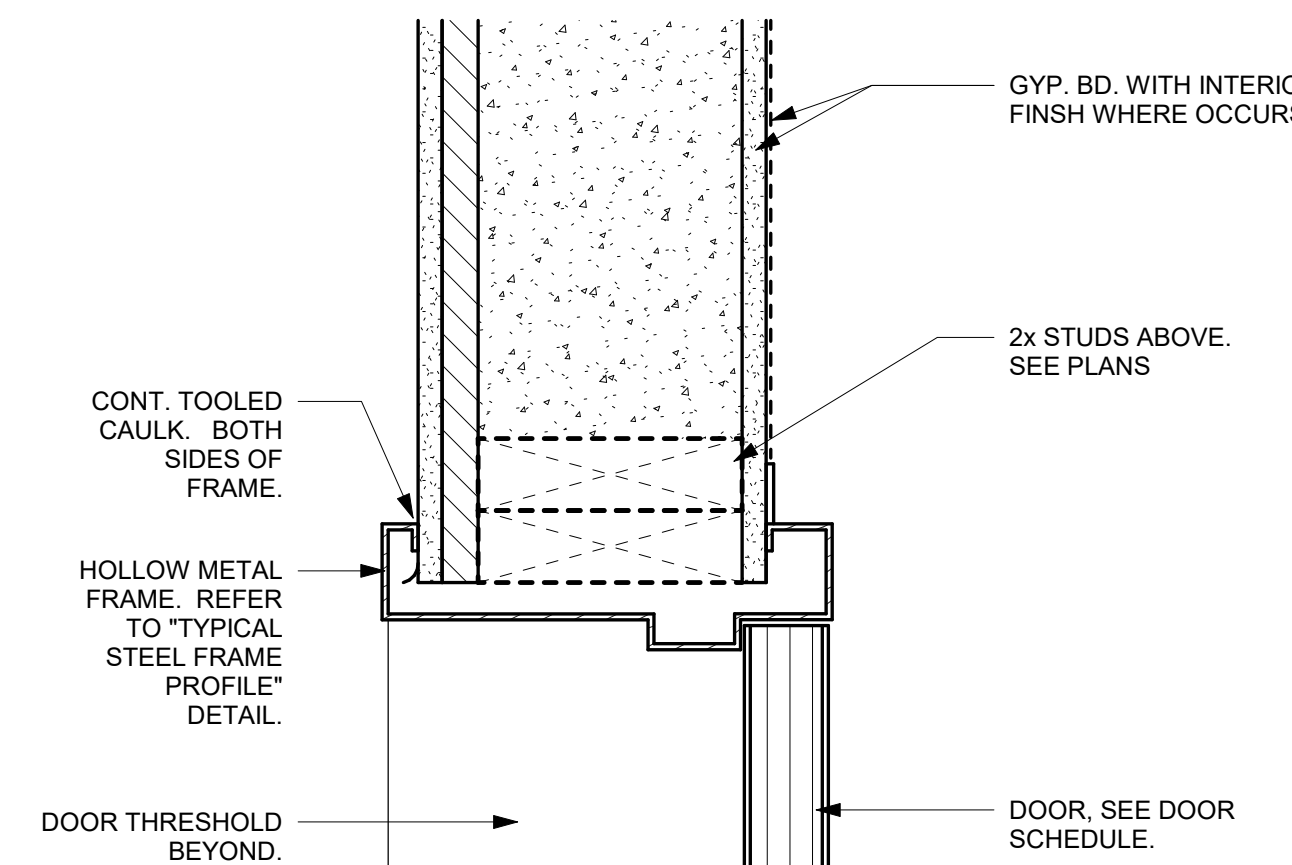
SHEET
OPENING SCHEDULE & TYPES

DATE 04/08/2019
JOB # 2018044
SHEET # **A10.01**

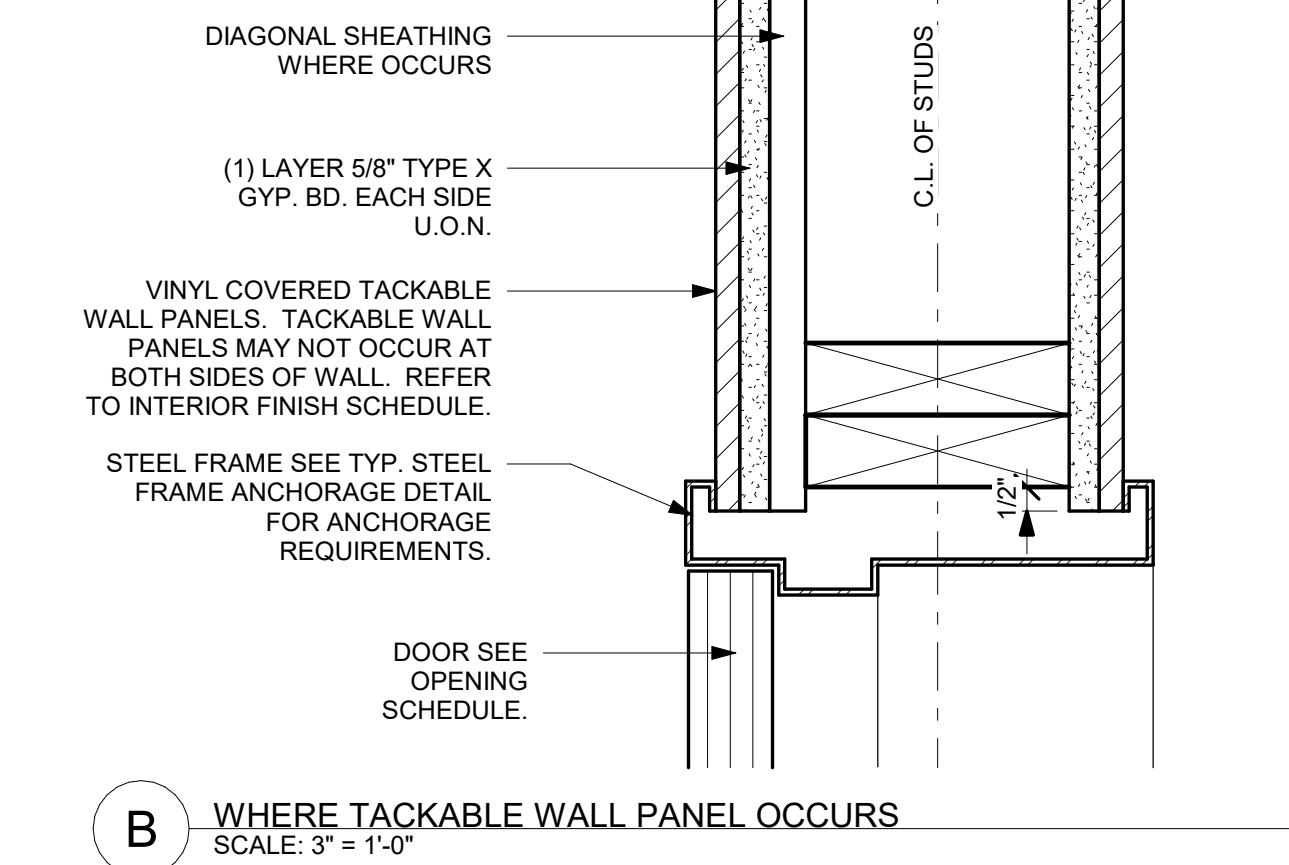
5/2/2019 8:57:05 AM C:\Users\msachao\Documents\CVCS_modernization (2018 version)_msachao.rvt



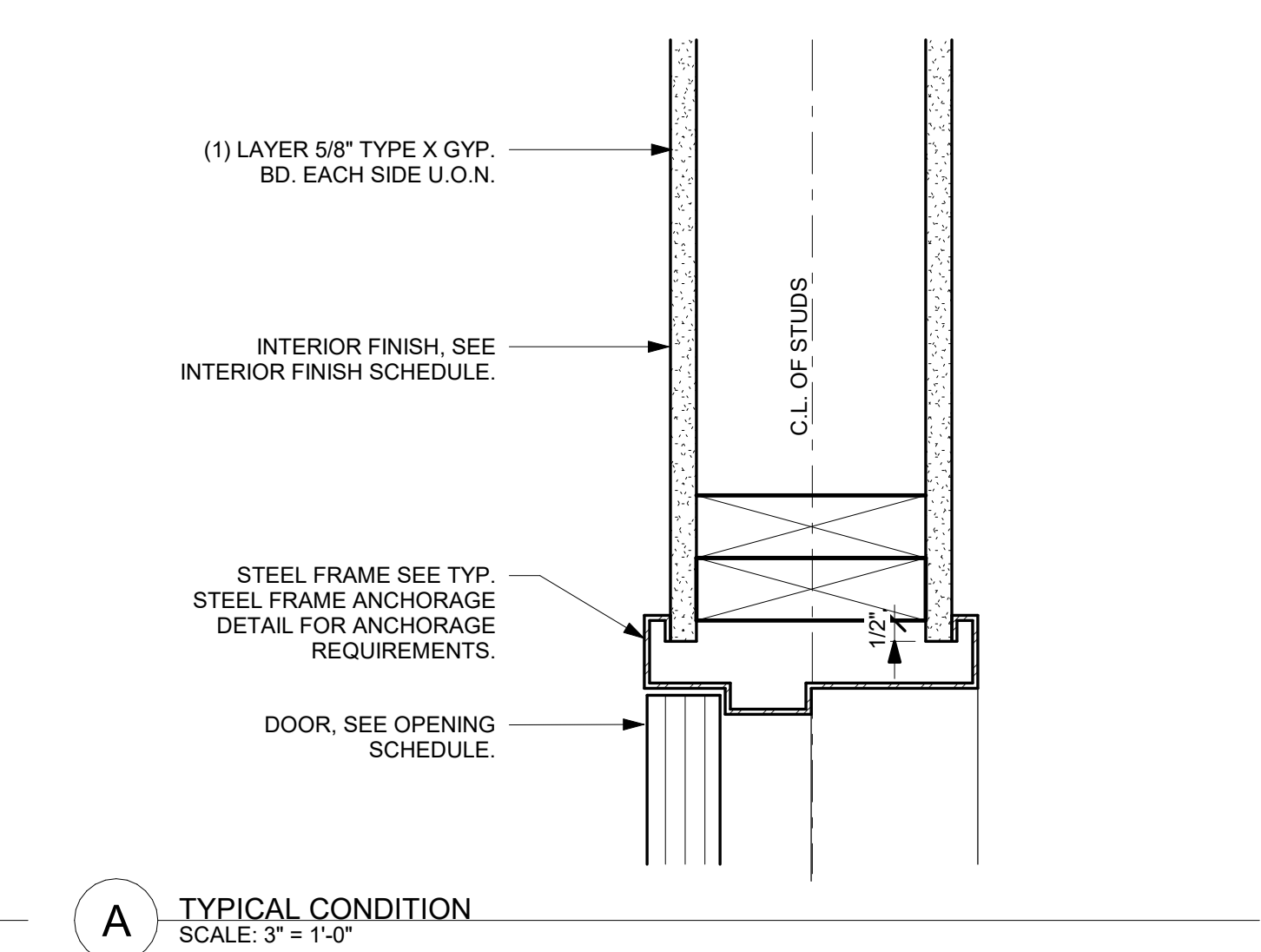
12 TYP. AWNING TYPE WINDOW (W1, W2, W4, & W5)
 SCALE: 3" = 1'-0"



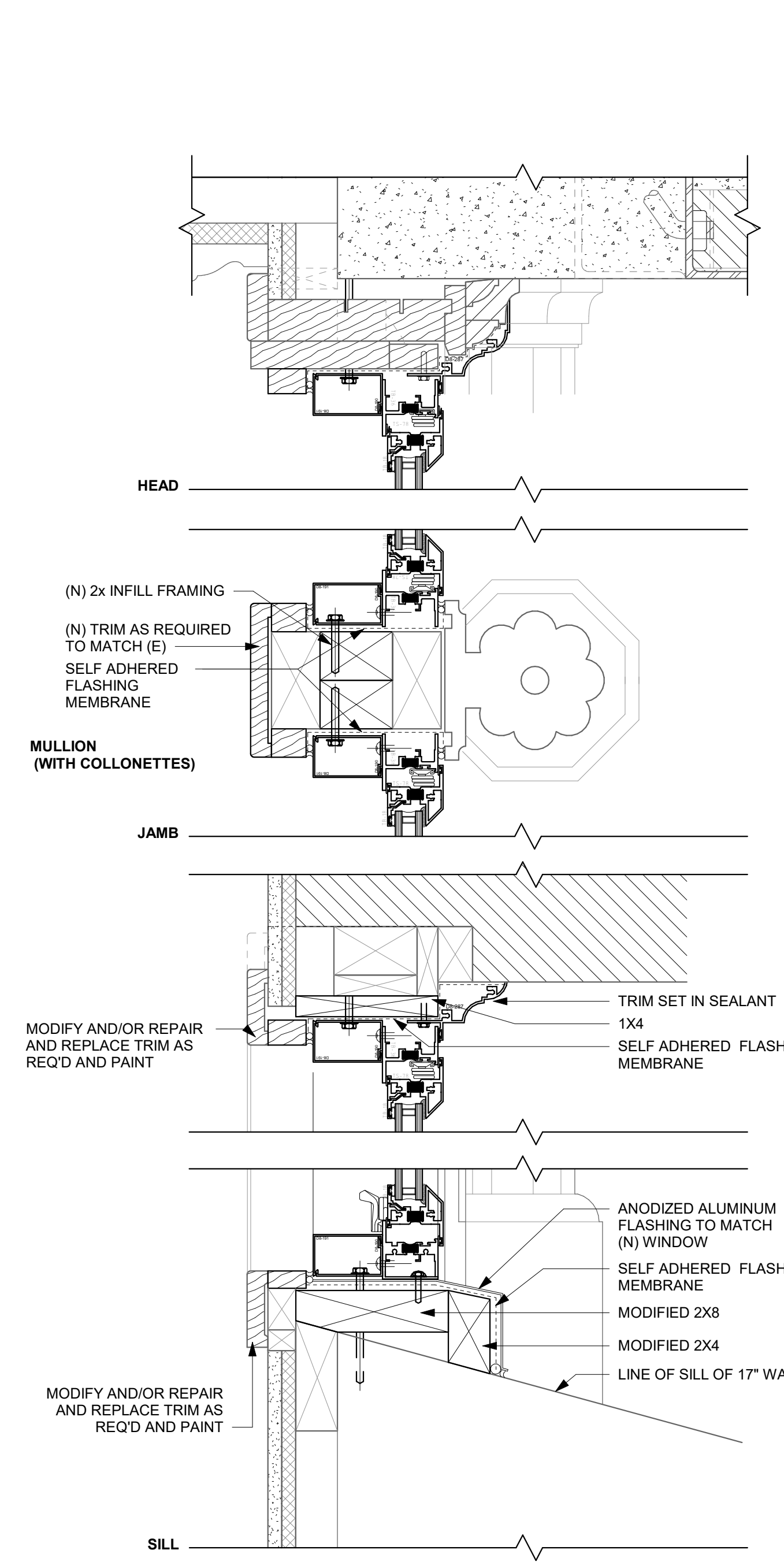
8 STEEL DOOR FRAME JAMB @ CONC. CURB
 SCALE: 3" = 1'-0"



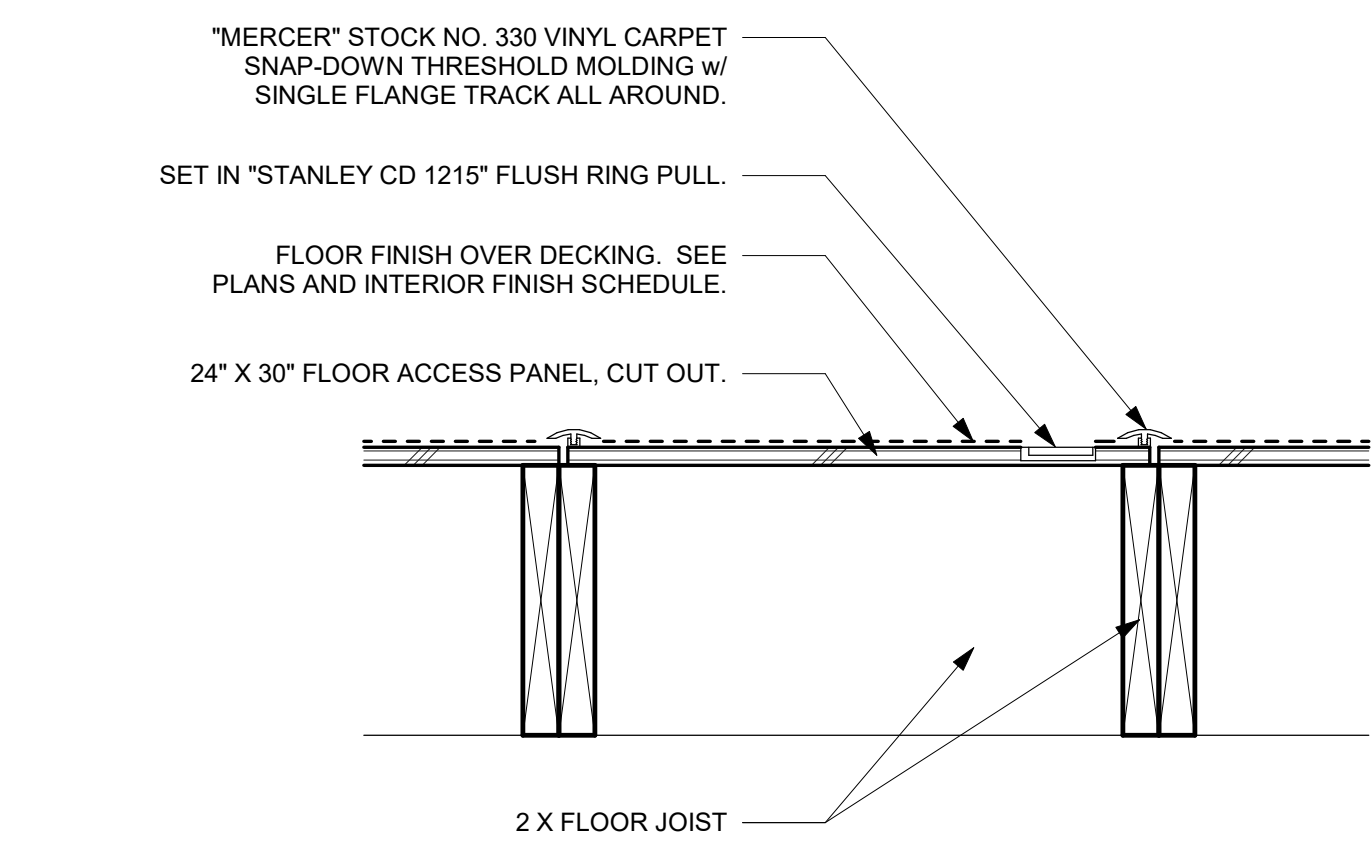
1 INTERIOR STEEL FRAME HEAD AND JAMB
 SCALE: 3" = 1'-0"



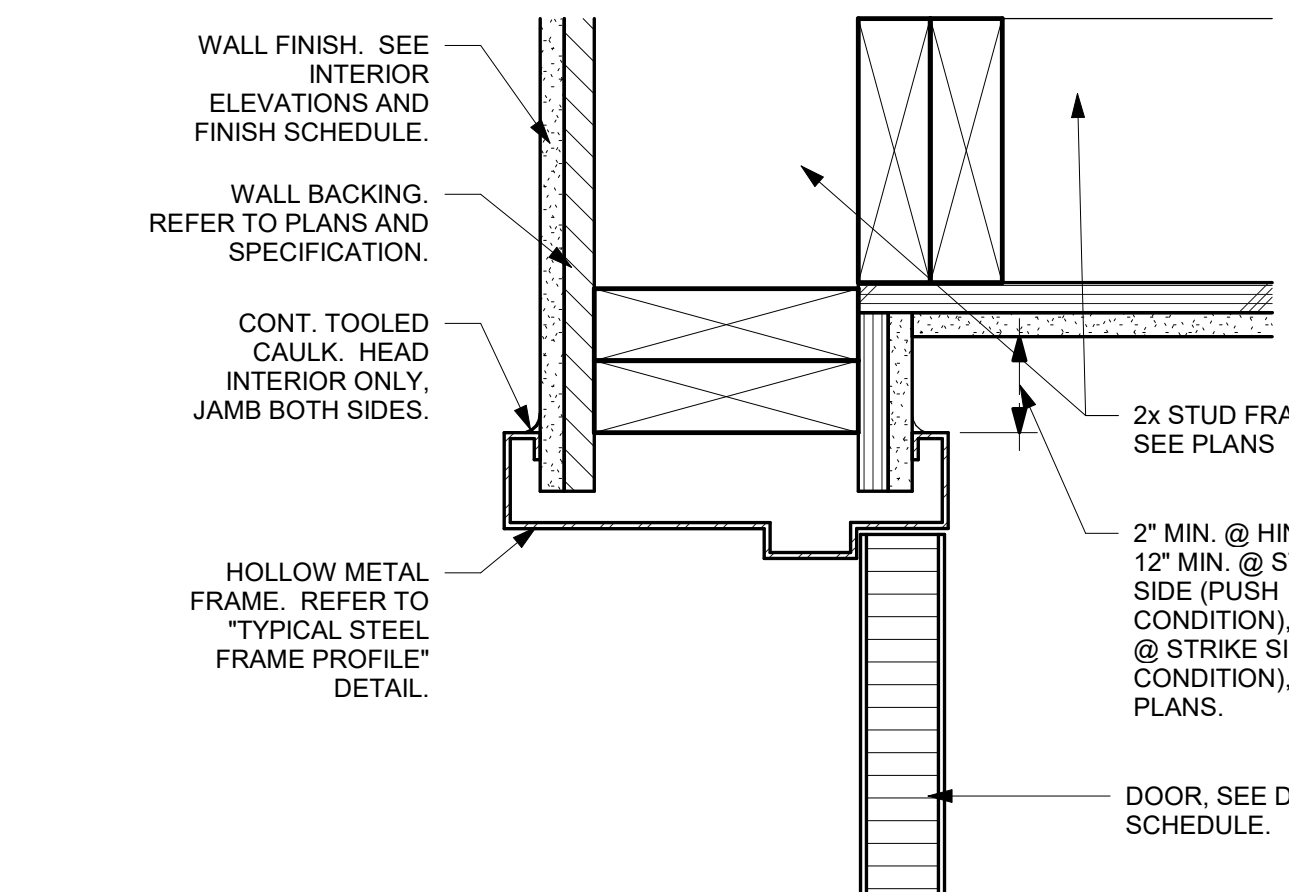
A TYPICAL CONDITION
 SCALE: 3" = 1'-0"



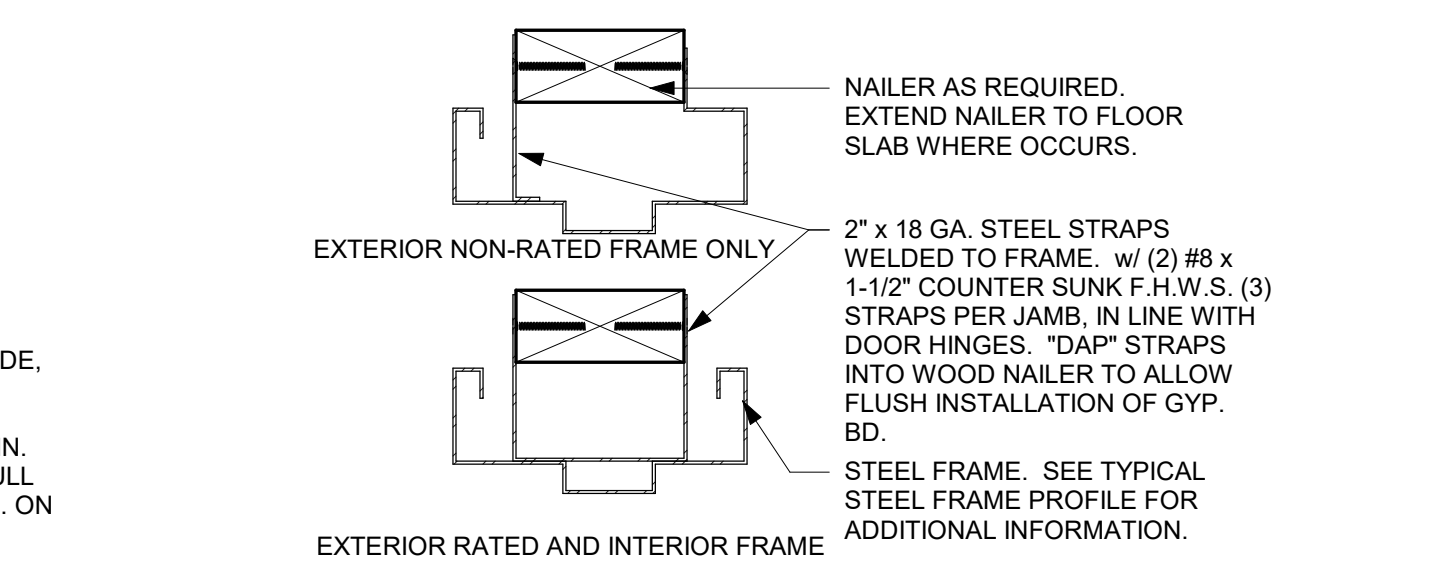
16 TYP. AWNING TYPE WINDOW (W1, W2, W4, W5, & W9)
 SCALE: 3" = 1'-0"



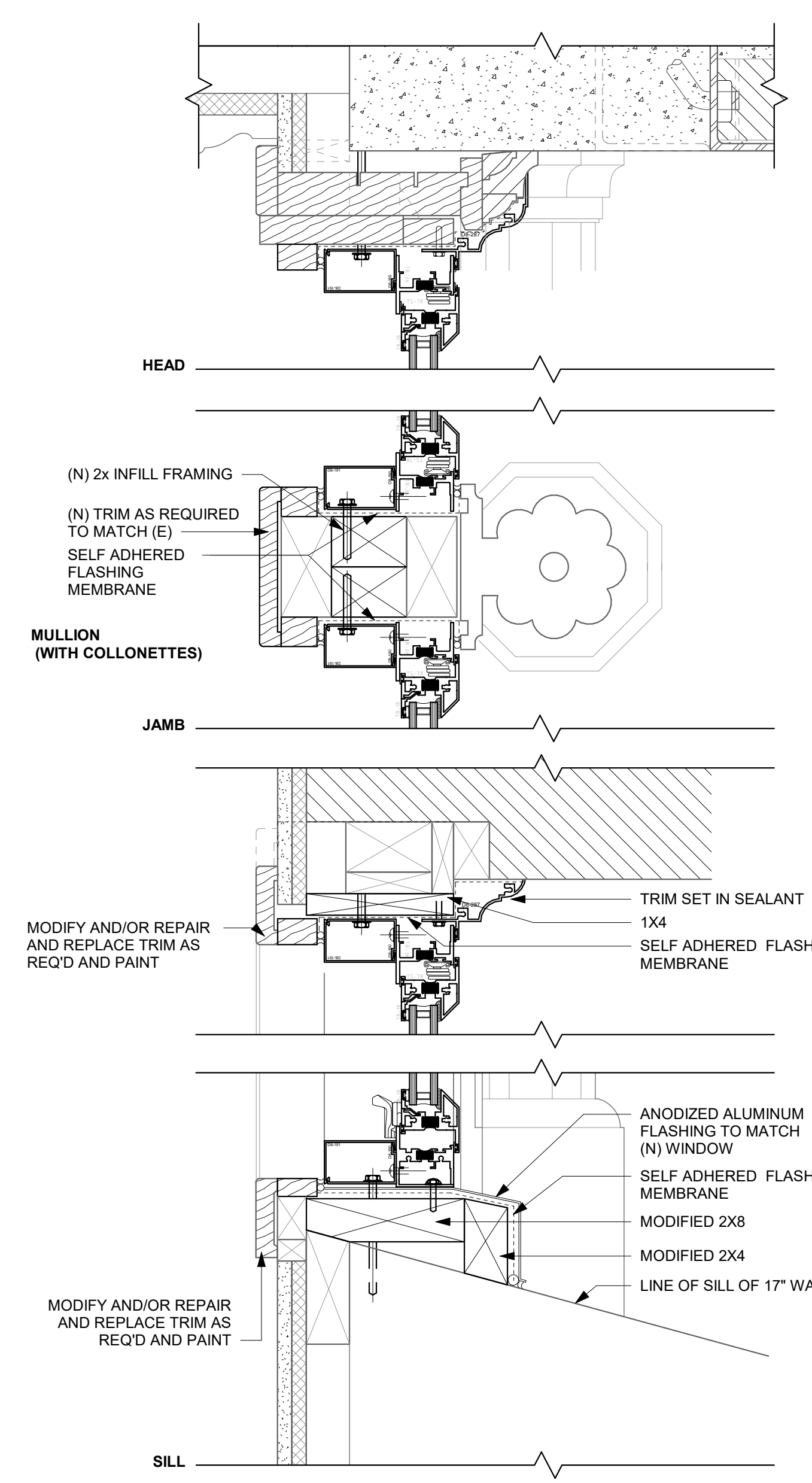
13 FLOOR ACCESS PANEL (2x STUDS)
 SCALE: 1 1/2" = 1'-0"



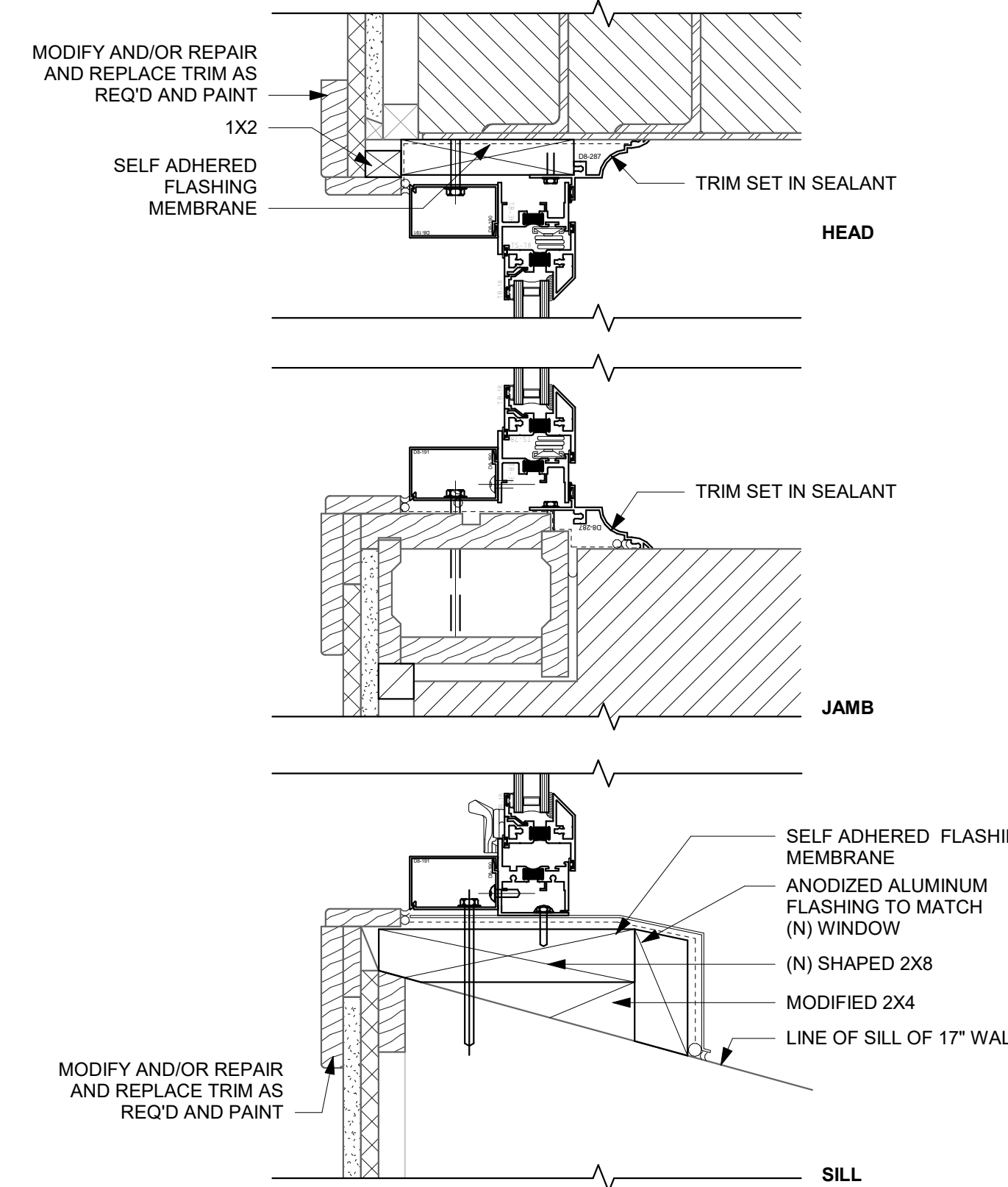
5 INTERIOR STEEL DOOR JAMB @ WALL INTERSECTION
 SCALE: 3" = 1'-0"



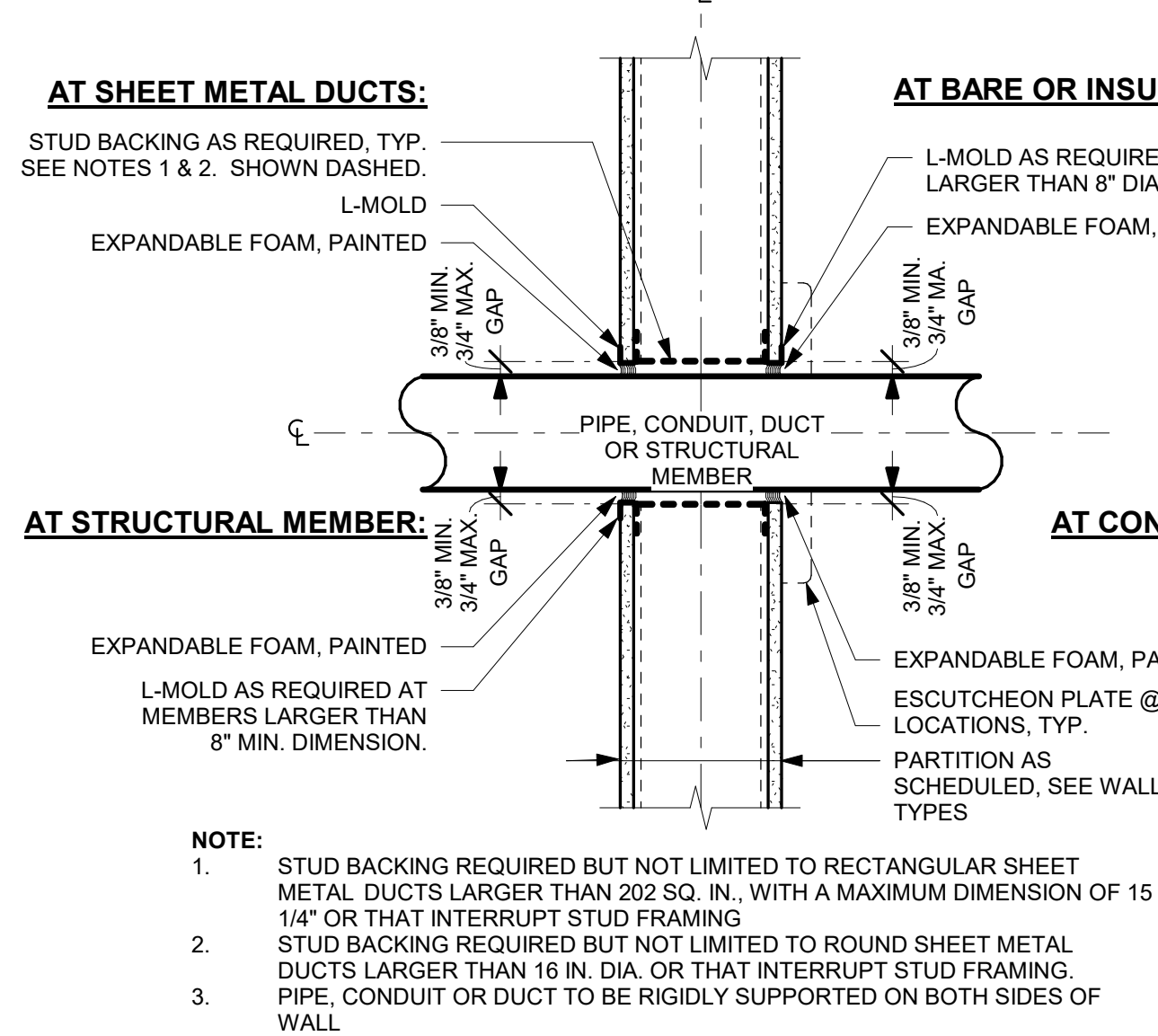
2 TYPICAL STEEL FRAME ANCHORAGE
 SCALE: 6" = 1'-0"



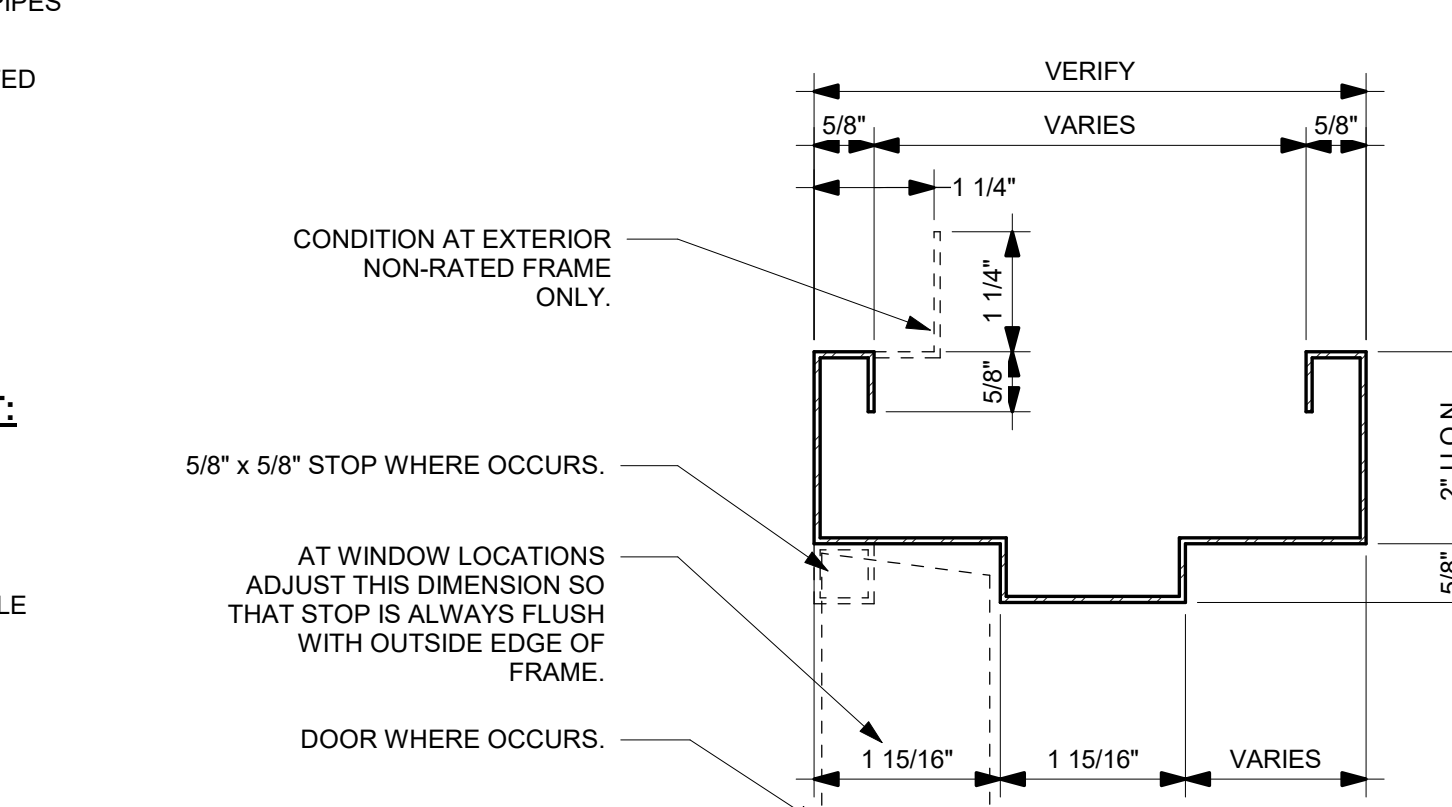
17 F.S. SECTION AWNING WINDOWS (W7 & W8)
 SCALE: 3" = 1'-0"



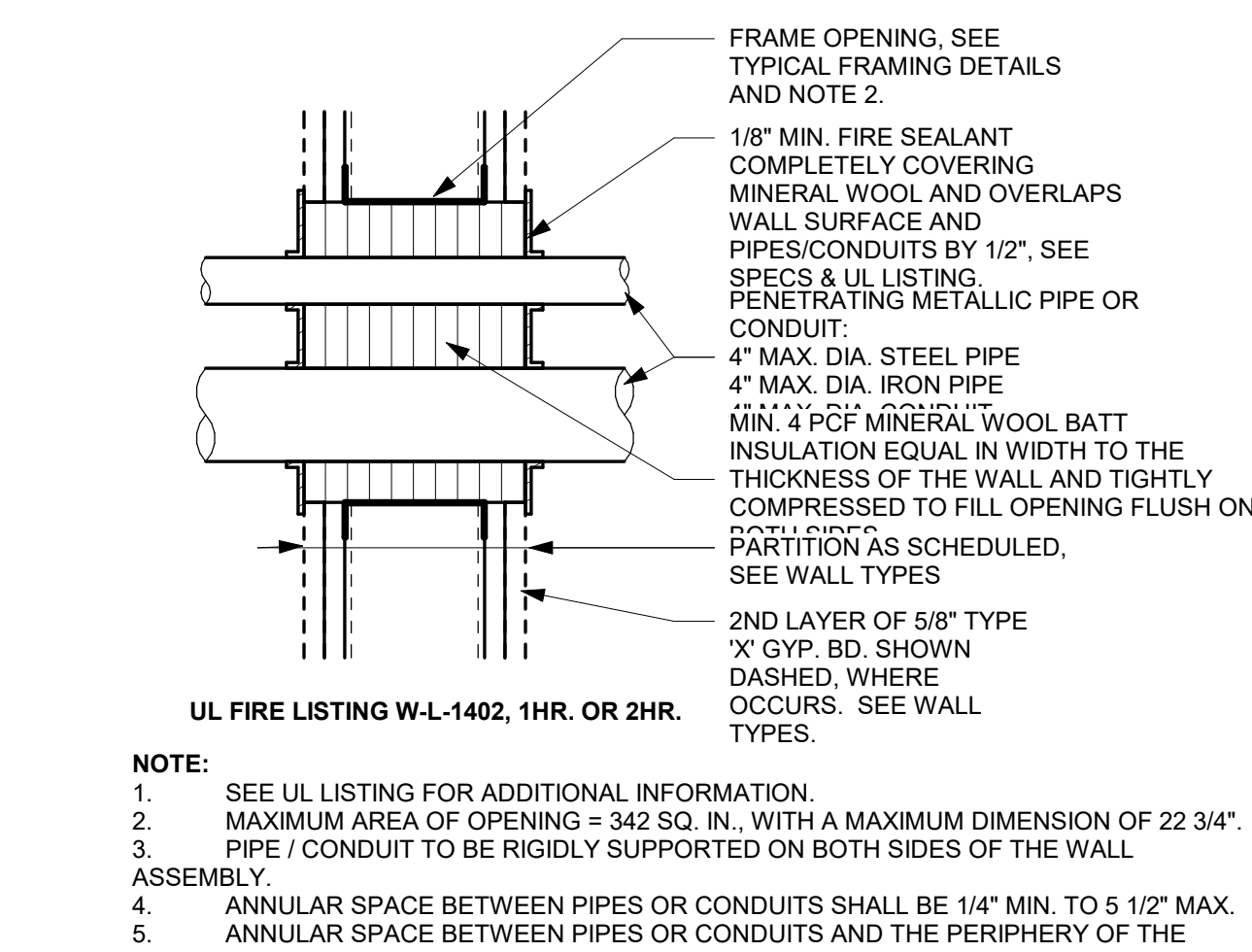
15 F.S. SECTION DOUBLE HUNG WINDOWS (W6)
 SCALE: 3" = 1'-0"



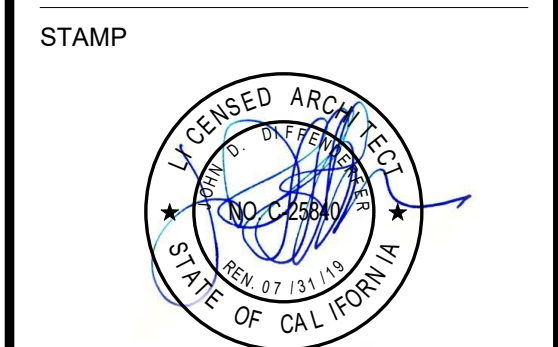
6 TYP. PENETRATION @ NON-RATED WALL
 SCALE: 1 1/2" = 1'-0"



3 TYPICAL STEEL FRAME PROFILE
 SCALE: 6" = 1'-0"



7 TYP. MULTIPLE PIPE/CONDUIT PEN. @ RATED WALL
 SCALE: 1 1/2" = 1'-0"



STATE FILE NUMBER: 29-11
 APPL. #: 02-117269

REVISIONS	No.	Description	Date
	1		

MILESTONES	DATE
SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

OPENING DETAILS

DATE: 04/08/2019
 JOB #: 2018044
 SHEET #

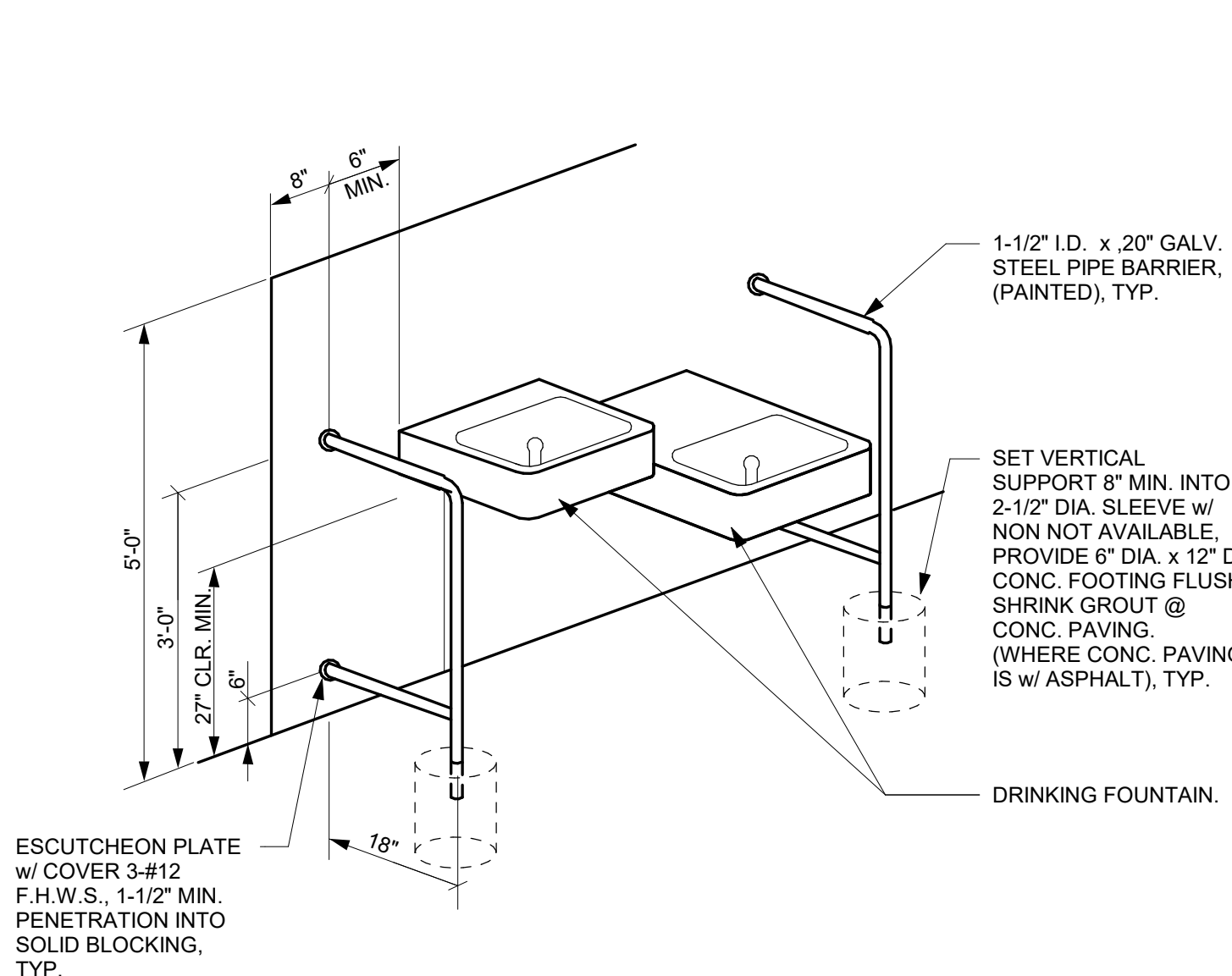
A10.02

GENERAL FINISH NOTES

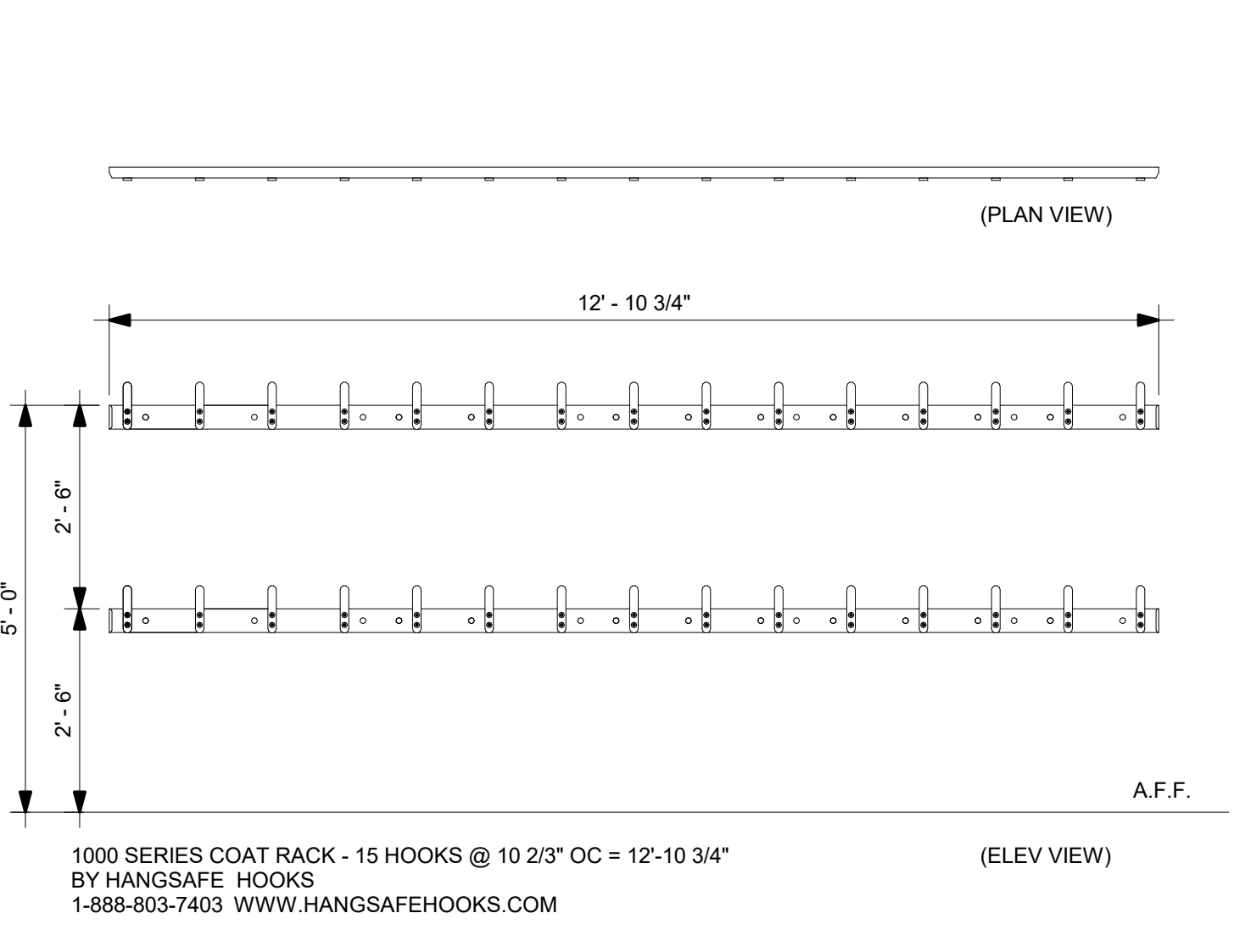
- A WHERE MULTIPLE WALL FINISHES ARE CALLED OUT, REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF INDIVIDUAL FINISHES.
- B WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT, REFER TO FLOOR FINISH PLANS FOR LOCATIONS OF INDIVIDUAL FINISHES.
- C PROVIDE FINISHES TO COMPLY WITH FLAME SPREAD & SMOKE DENSITY REQUIREMENTS OF CBC 803 and 804.

FINISH LEGEND

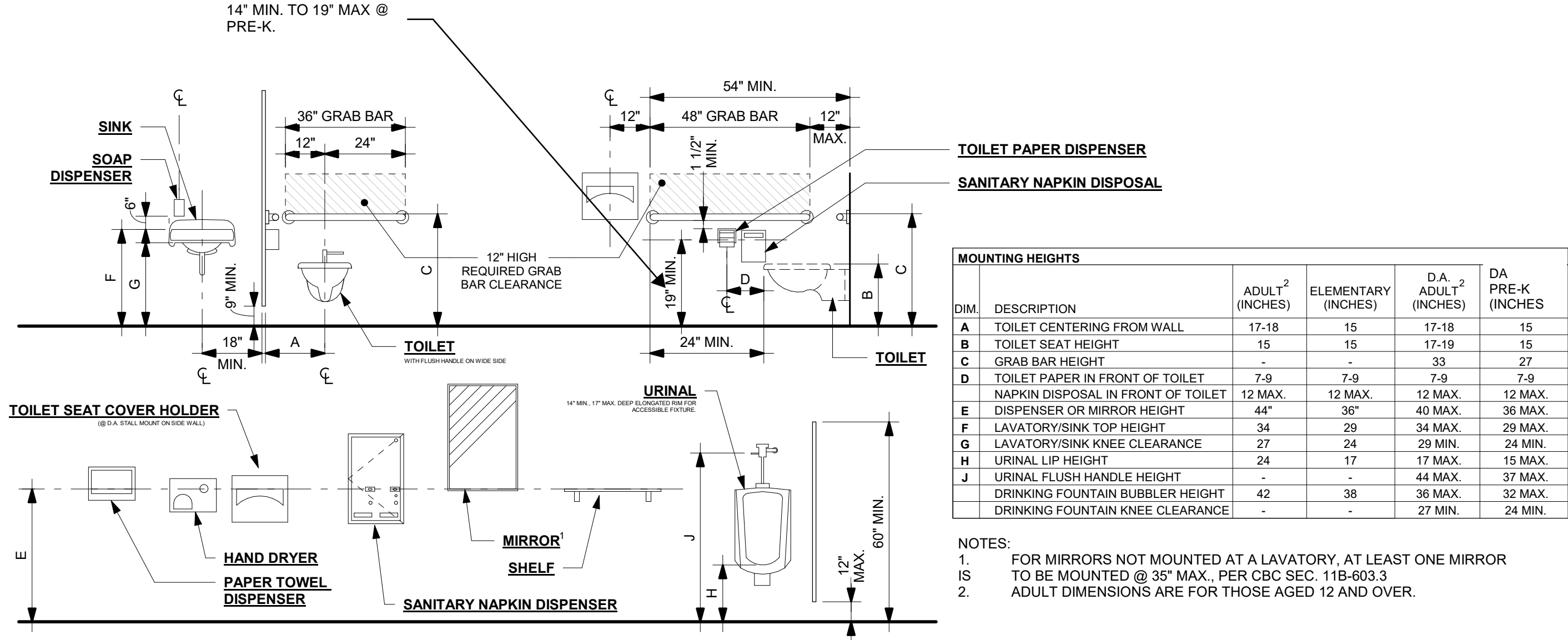
WT	DESCRIPTION	MFR. / BRAND	COLOR / FINISH	COMMENTS
ACT-1	2'-0" X 4'-0" ACOUSTICAL CEILING TILES			
B-1	4" RUBBER TOP SET BASE	BURKE MERCER		
B-2	6" RUBBER TOP SET BASE	BURKE MERCER		
EPX-1	EPOXY	DEX-O-TEX		
FRP-1	FIBERGLASS REINFORCED PLASTIC PANELS	MARLITE	P-100	
GB-1	GYPSUM BOARD			
LVT	LINOLEUM VINYL TILE CLICK FLOORING	METROFLOR - ENGAGE GENESIS		TBD
P-1	PAINT	DUNN EDWARDS		TBD
P-2	PAINT	DUNN EDWARDS		TBD
PLAM-1	PLASTIC LAMINATE	WILSON ART		
PLAM-2	PLASTIC LAMINATE	WILSON ART		
SVF	SHEET VINYL FLOORING	ARMSTRONG		TBD
TWP	TACKABLE WALL PANELS (O/G YP, BD.)	CHATFIELD CLARK		



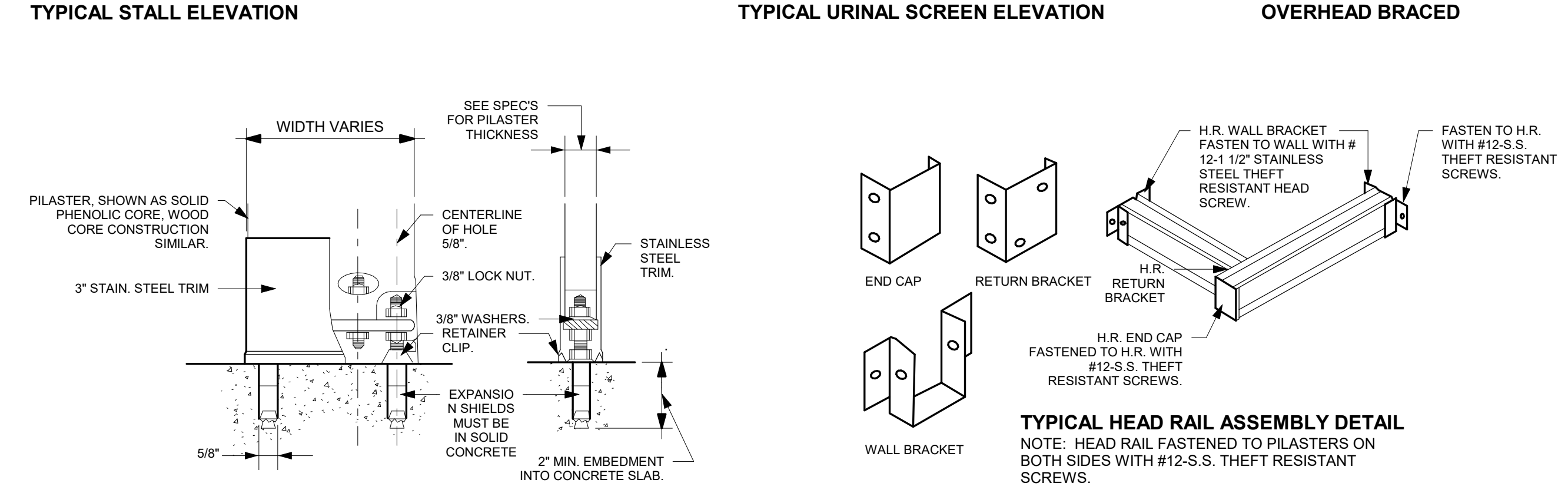
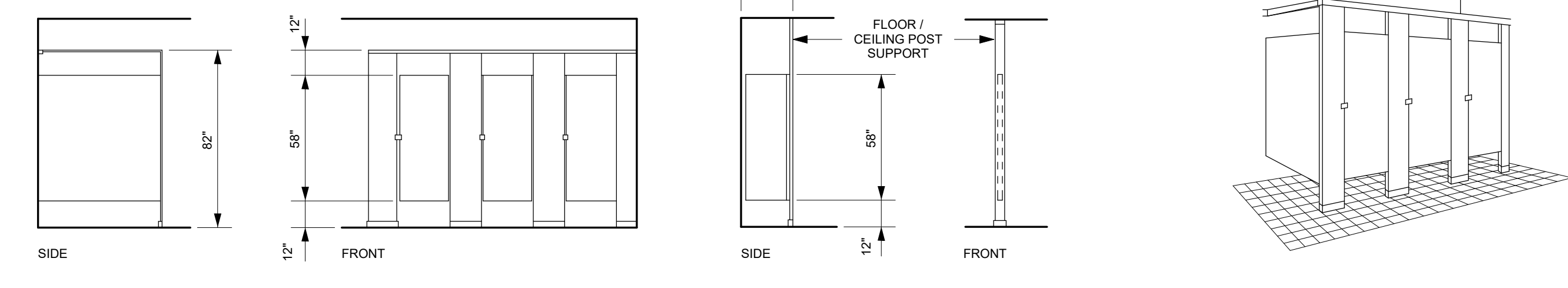
17 STEEL PIPE BARRIER
 SCALE: 1 : 1



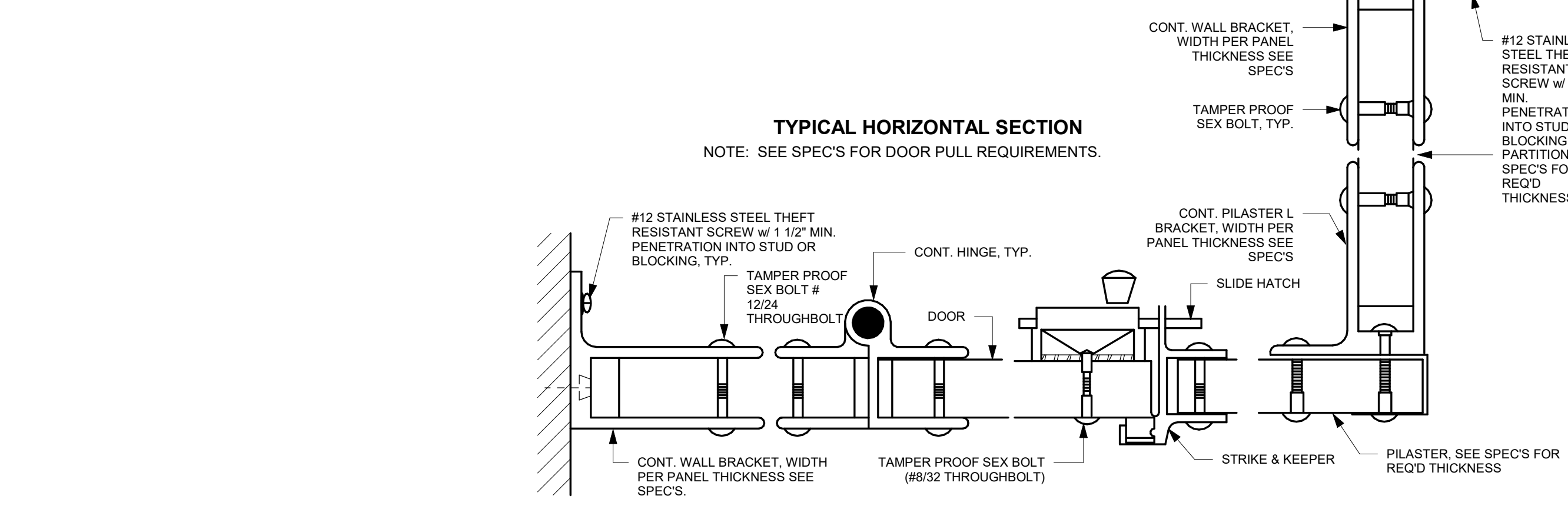
18 HANGSAFE HOOKS
 SCALE: 1/2" = 1'-0"



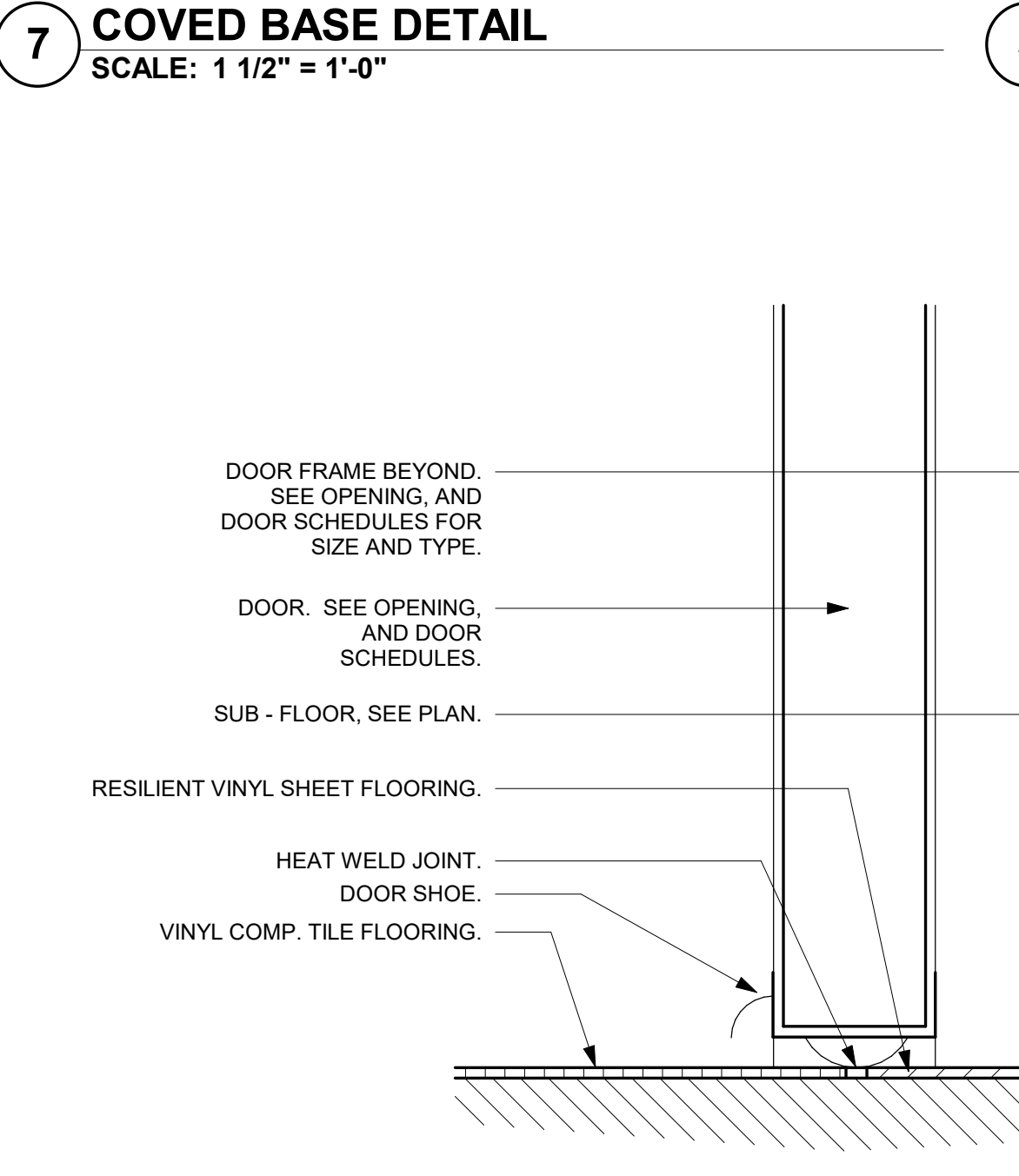
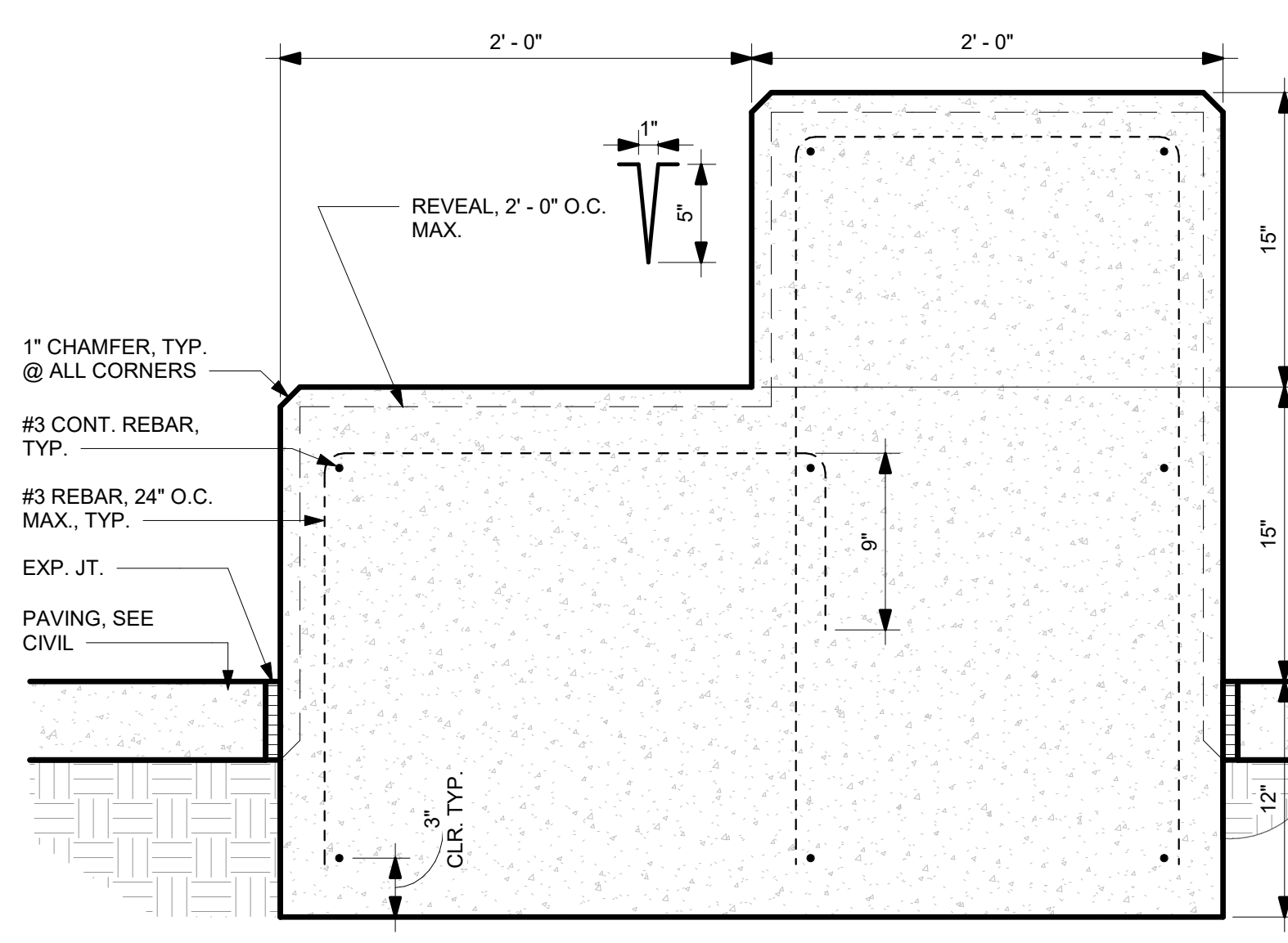
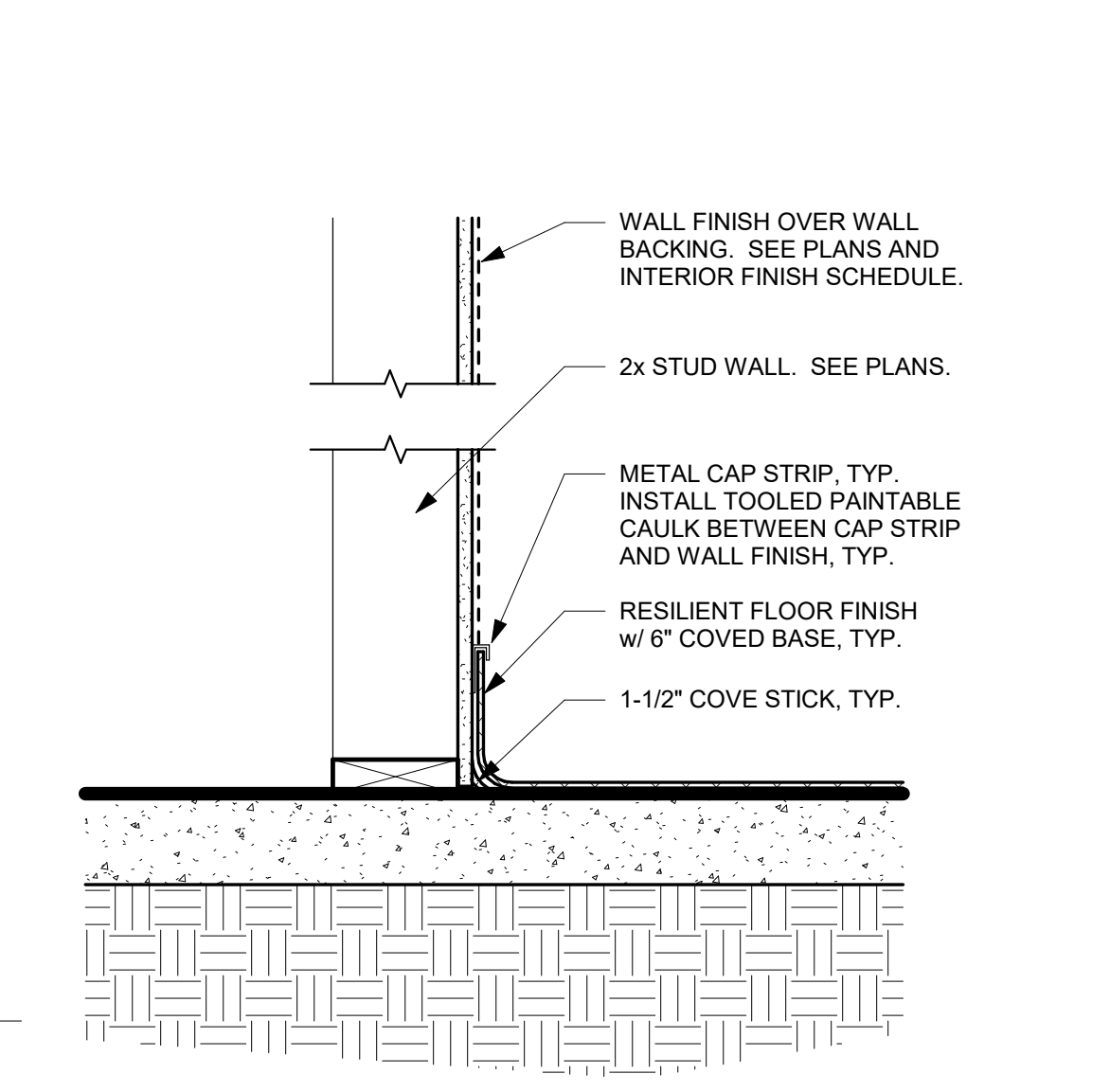
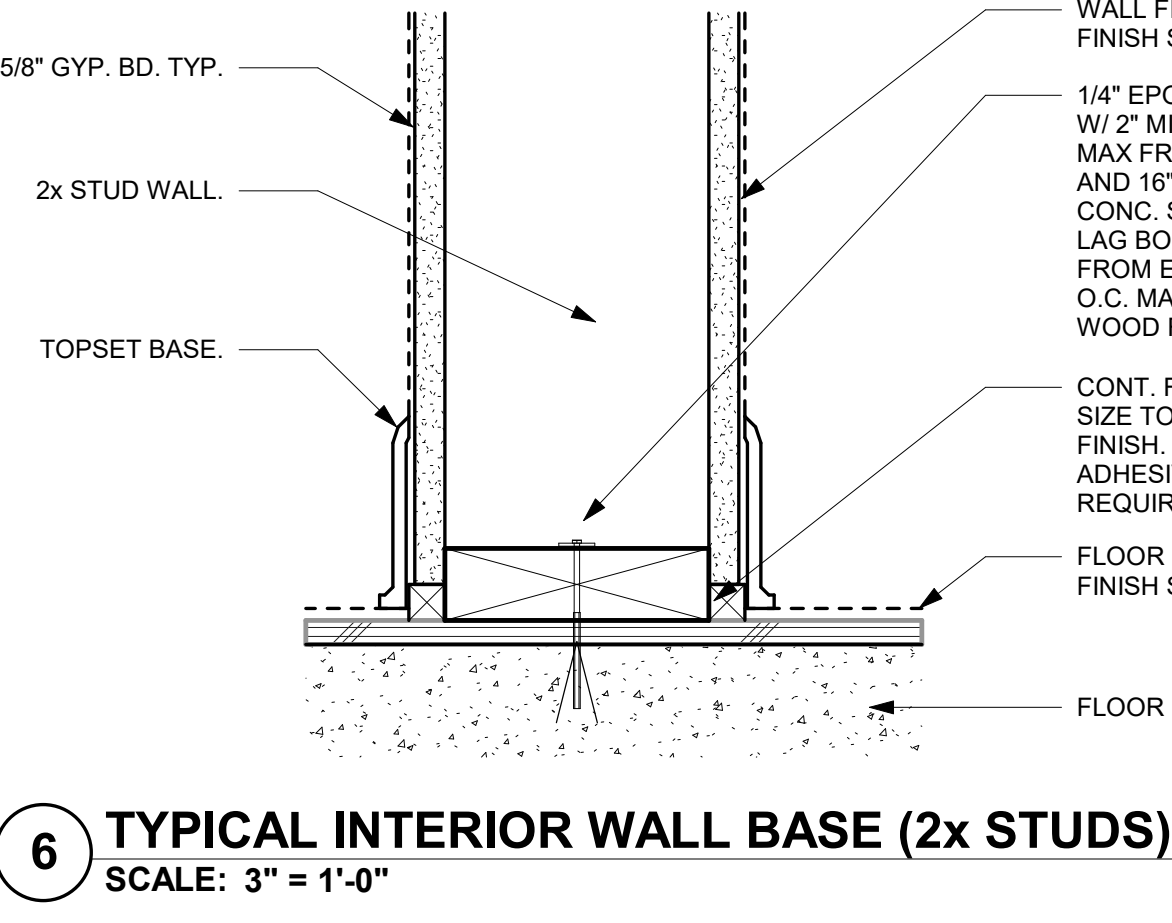
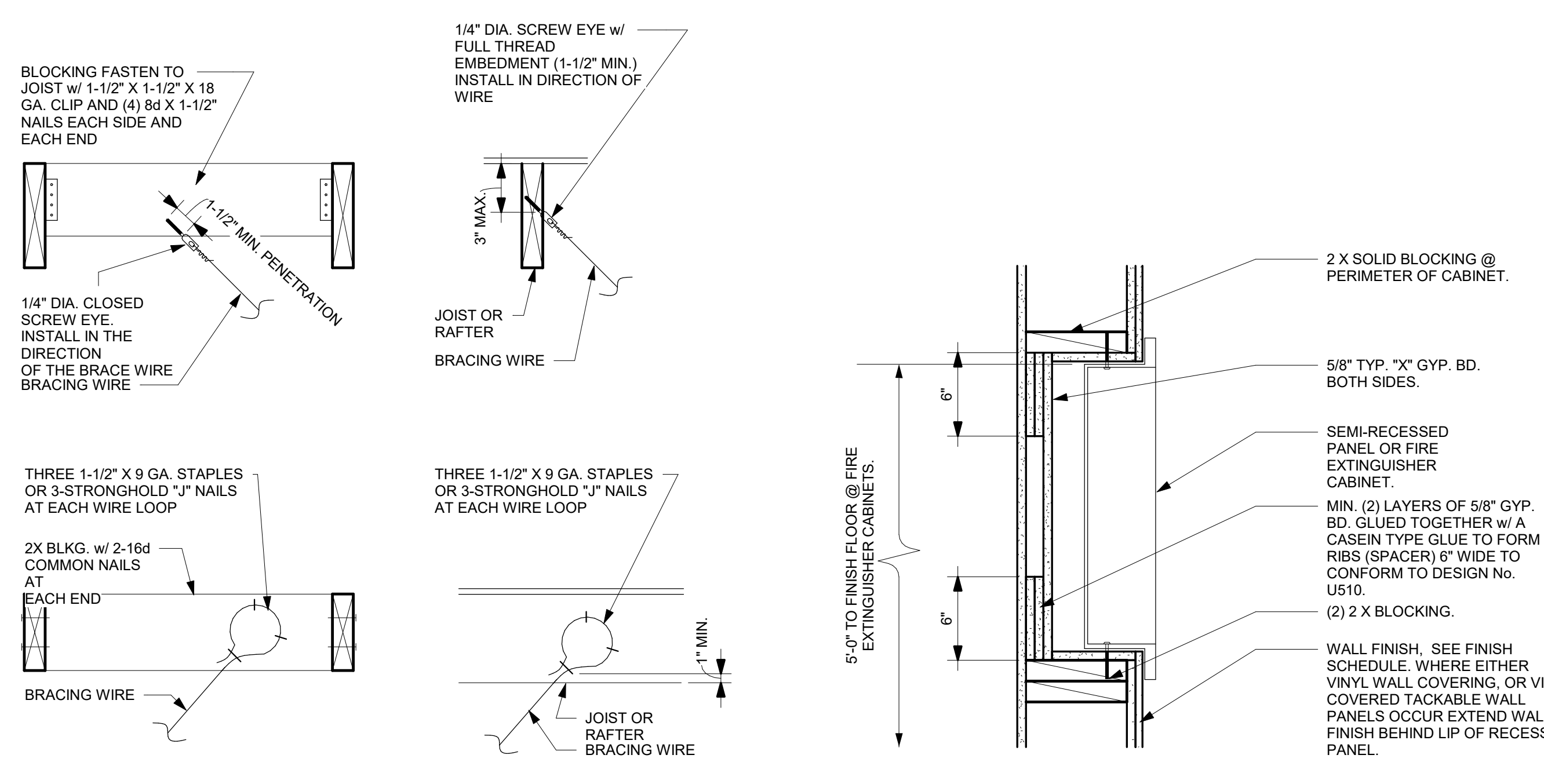
13 TYPICAL FIXTURE MOUNTING HEIGHTS
 SCALE: 1/4" = 1'-0"



FLOOR ATTACHMENT DETAIL
 NOTE: DRILL HOLES FOR FLOOR ATTACHMENT 5/8" FROM EDGE OF PILASTER. TYPICAL FOR ALL LOCATIONS. PLACE STAINLESS STEEL TRIM ON PILASTER, SLIDE UP BEFORE SECURING PILASTER TO FLOOR ATTACHMENT.



15 TOILET PARTITION ANCHORAGE DETAILS
 SCALE: 1 : 1



16 BRACING WIRE CONNECTION TO SAWN TIMBER
 SCALE: 1 1/2" = 1'-0"

12 1 HR RATED RECESSED PANEL
 SCALE: 1 1/2" = 1'-0"

8 VCT TO RESILIENT FLOORING TRANSITION
 SCALE: 6" = 1'-0"

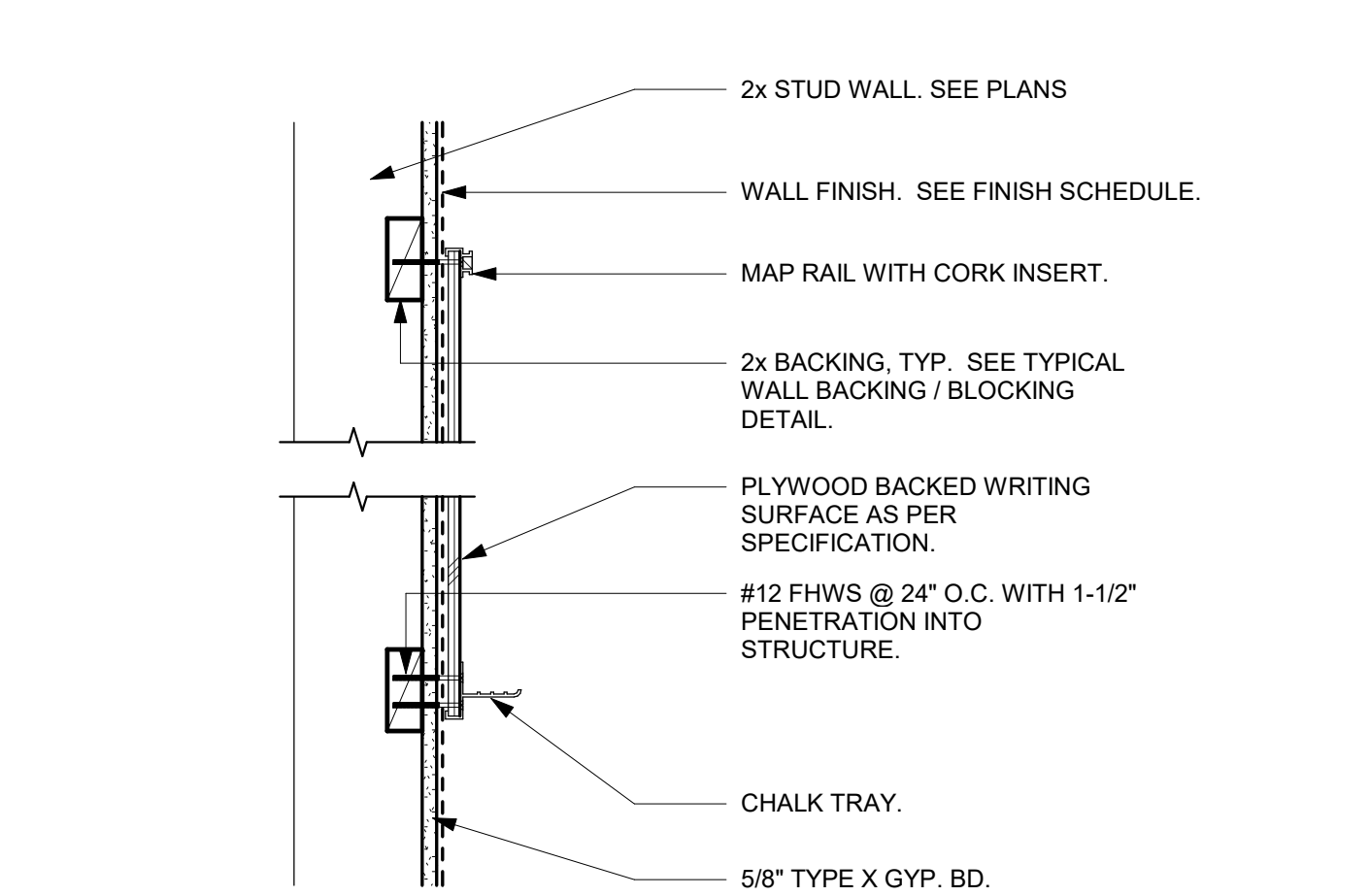
CASEWORK GENERAL NOTES

- LOCKABLE CABINETS ARE INDICATED ON ELEVATIONS BY SYMBOL "L".
- REFER TO INTERIOR ELEVATIONS FOR QUANTITIES, LOCATIONS, FINISHES, AND COUNTER EDGE DETAILS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO FABRICATION.
- REFER TO "CABINET ANCHORAGE DETAILS" FOR TYPICAL CABINET ANCHORAGE REQUIREMENTS.

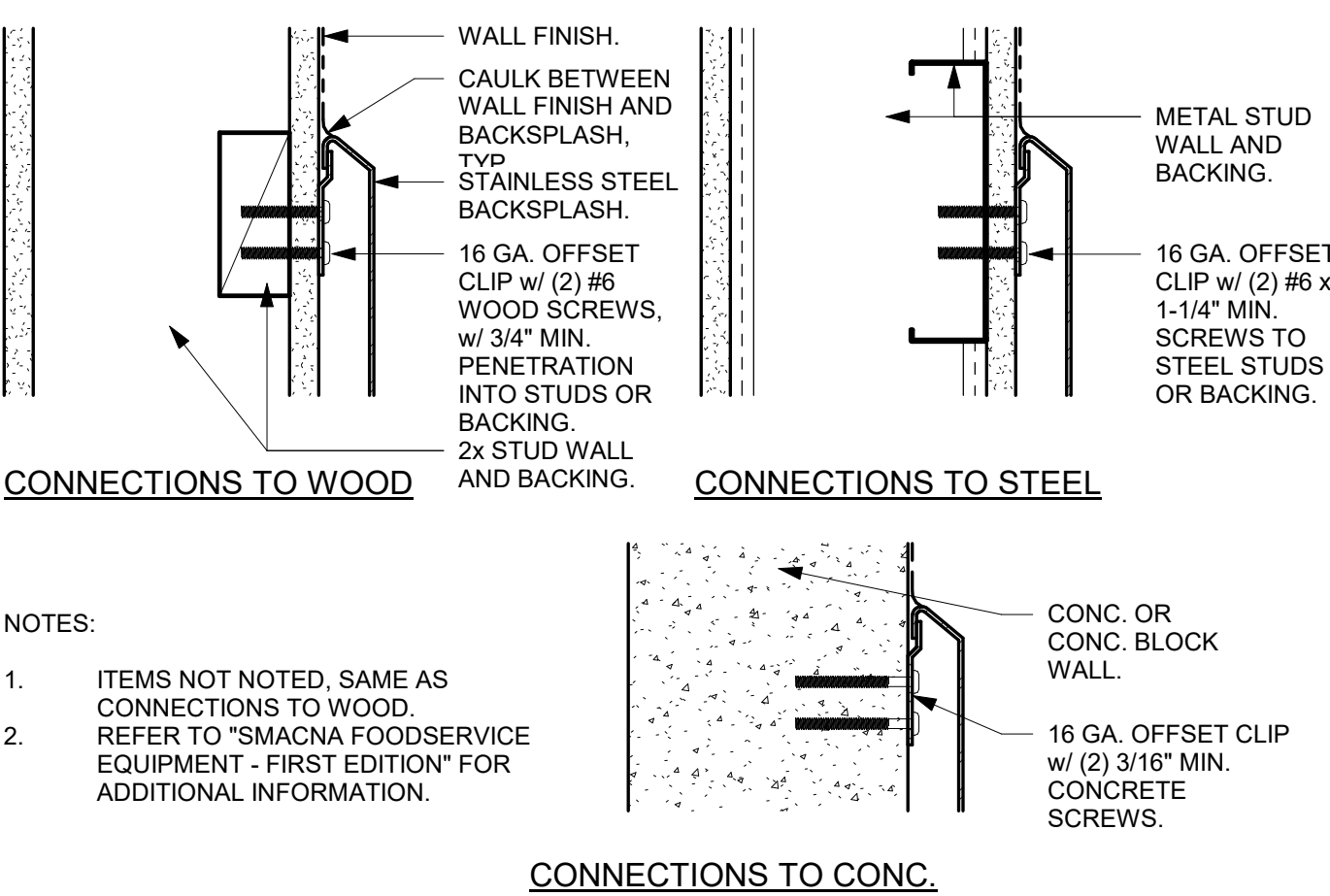
CASEWORK SCHEDULE NOTES

- HEIGHT IS TO TOP OF COUNTERTOP.

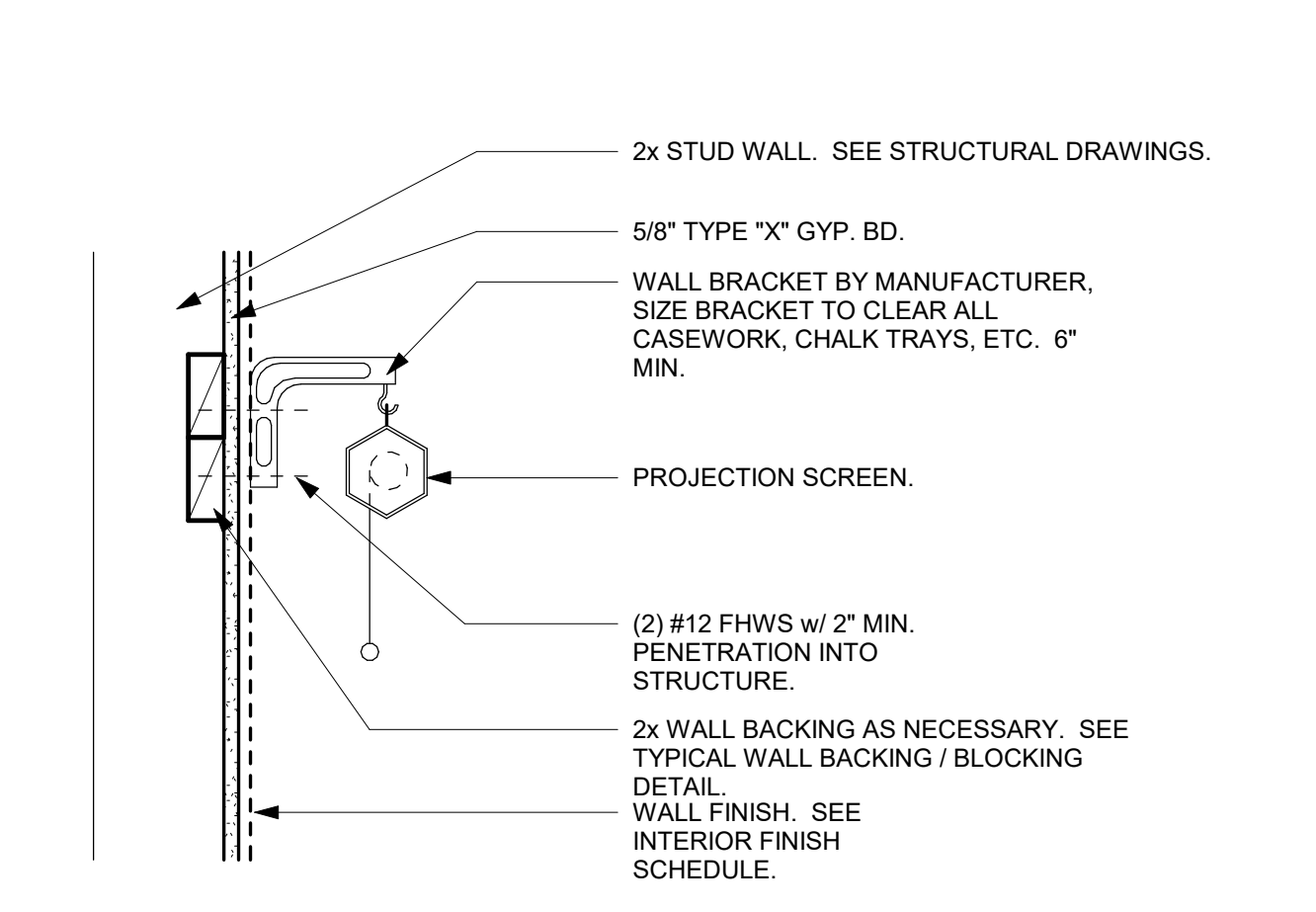
CASEWORK SCHEDULE					
CABINET	WOODWORK INSTITUTE CASEWORK DESIGN SERIES #	WIDTH	HEIGHT	DEPTH	COMMENTS
C-1	102	2'-6"	2'-8 1/2"	2'-0"	
C-2	102	2'-0"	2'-8 1/2"	2'-0"	
C-3	130	4'-0"	2'-4"	1'-6"	
C-4	130	4'-0"	1'-4 3/4"	1'-6"	
C-5	211	1'-0"	2'-8 1/2"	2'-0"	
C-6	302	4'-0"	2'-6"	1'-0"	
C-7	302	3'-0"	2'-6"	1'-0"	
C-8	400	4'-0"	8'-0"	11"	
C-9	401	1'-10"	7'-0"	11"	
C-10	402	3'-7 3/8"	7'-0"	11"	
C-11	402	4'-0"	7'-0"	24"	
C-12	400	3'-0"	7'-0"	12"	
C-13	302	2'-6 1/2"	3'-6"	12"	



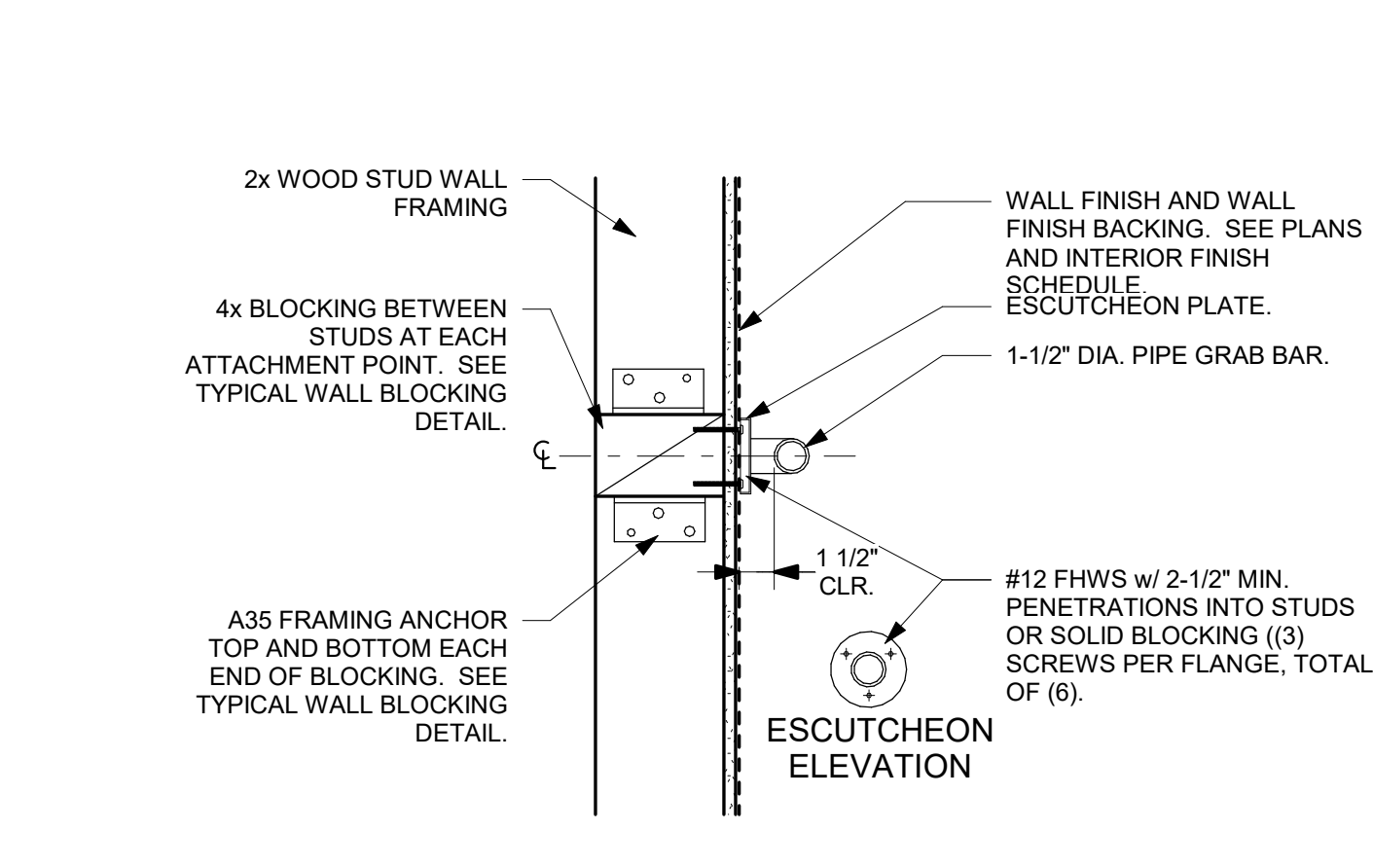
17 MARKER BD. / CHALK BD. ANCHORAGE (2x STUDS)
 SCALE: 1 1/2" = 1'-0"



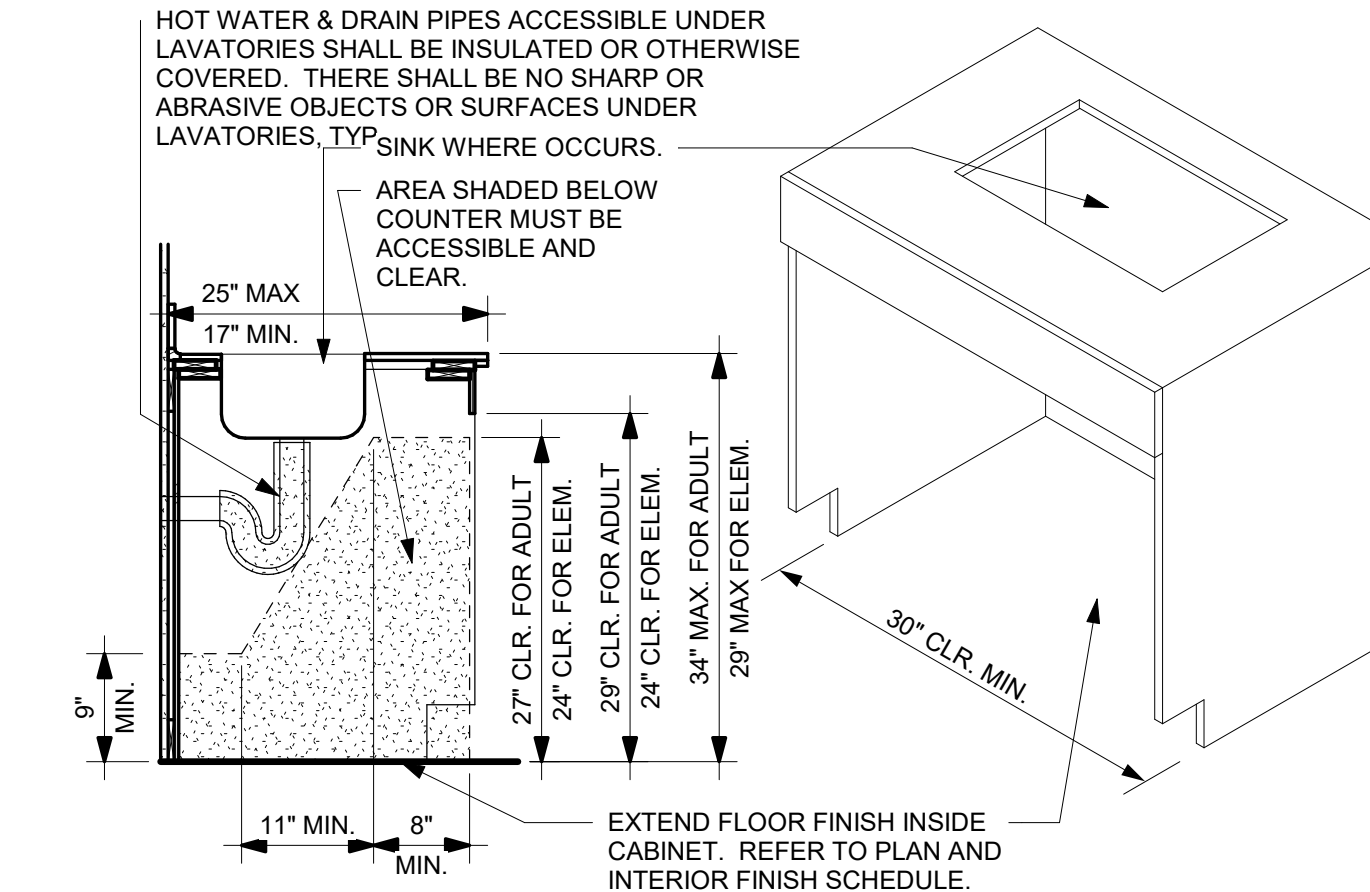
9 BACKSPLASH ANCHORAGE DETAILS
 SCALE: 3" = 1'-0"



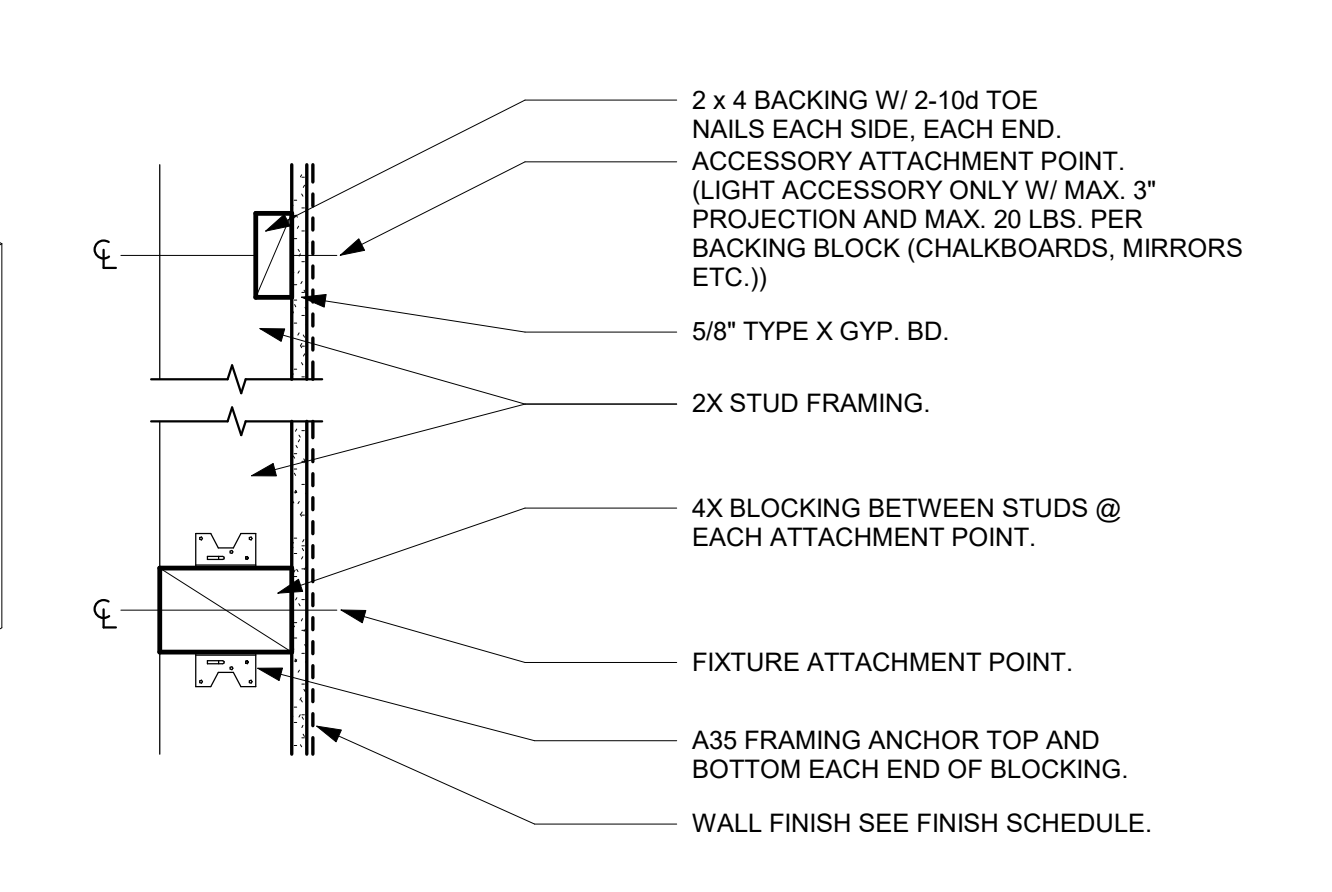
5 PROJECTION SCREEN ANCHORAGE (2x STUDS)
 SCALE: 1 1/2" = 1'-0"



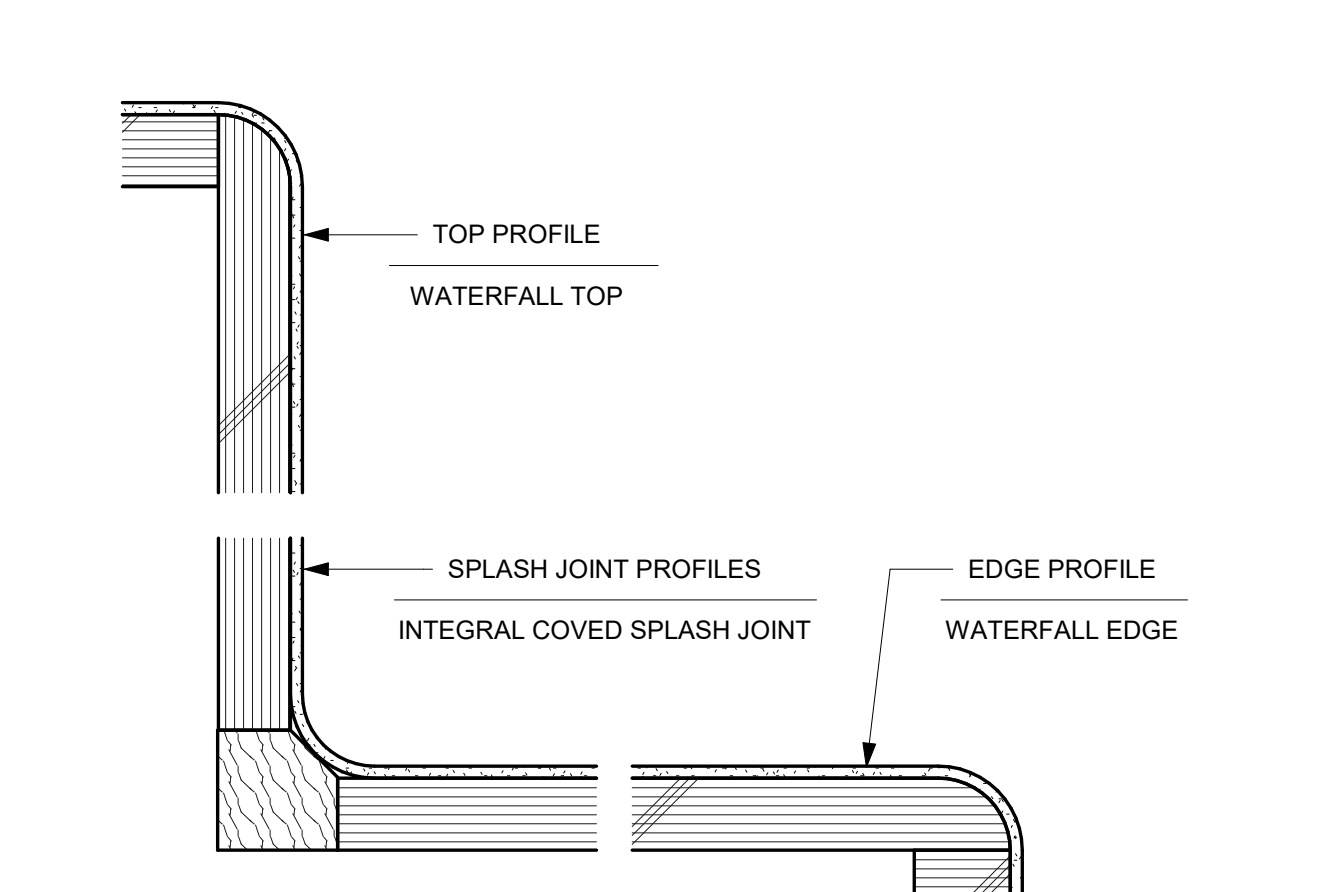
18 GRAB BAR ANCHORAGE (2X STUDS)
 SCALE: 1 1/2" = 1'-0"



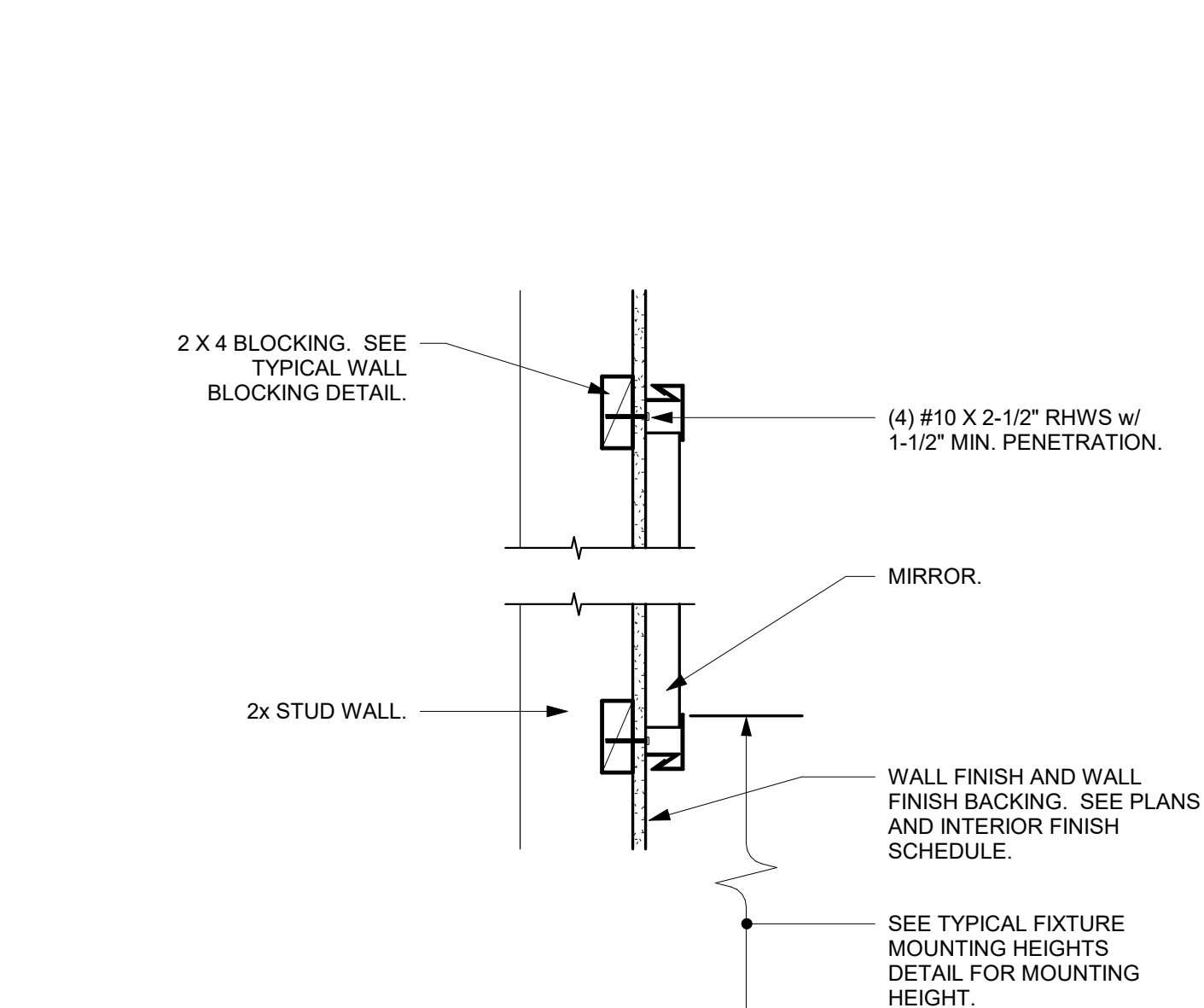
10 ACCESSIBLE CABINET BASE DETAIL NO DOORS
 SCALE: 3/4" = 1'-0"



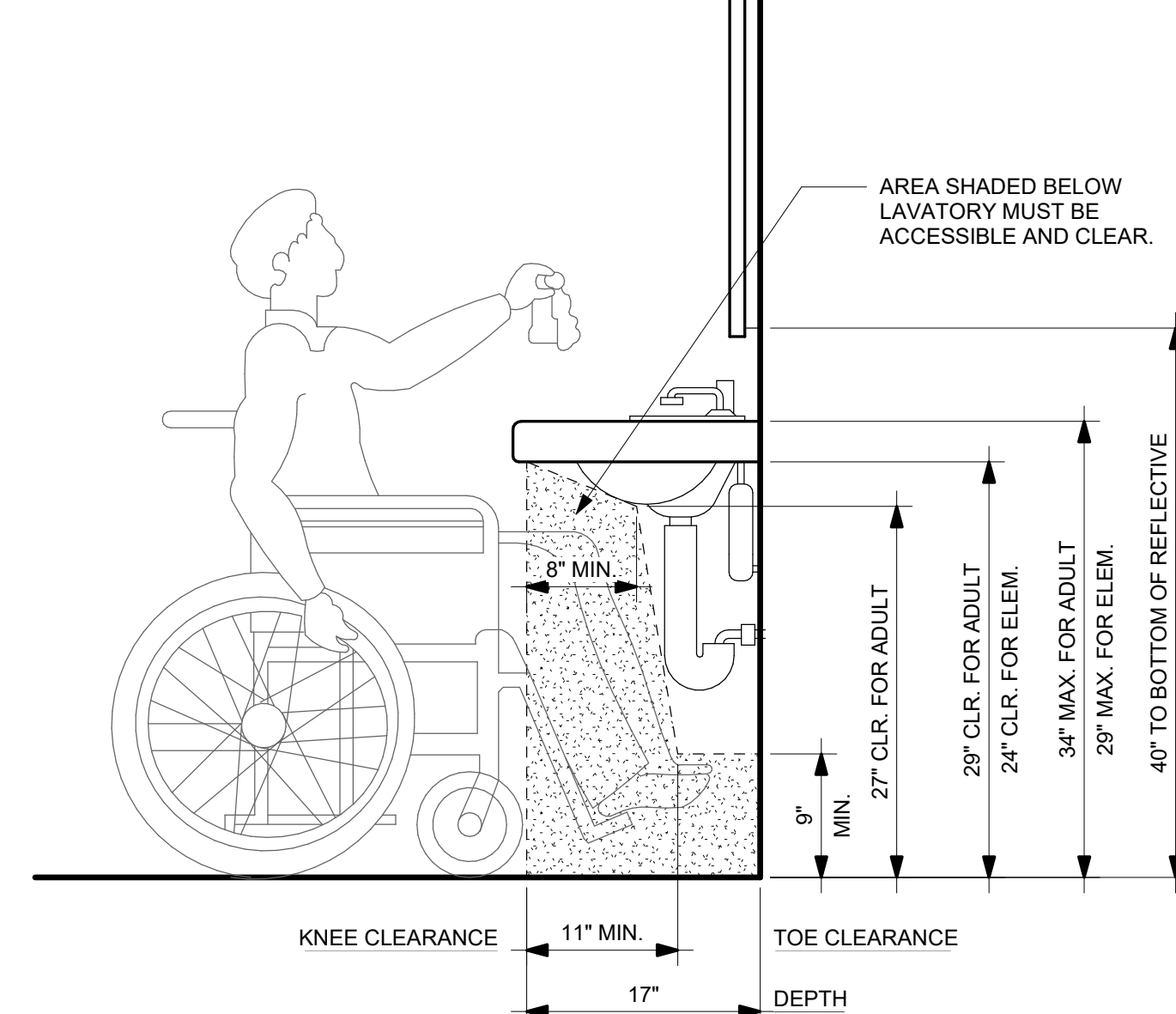
6 TYPICAL WALL BACKING / BLOCKING
 SCALE: 1 1/2" = 1'-0"



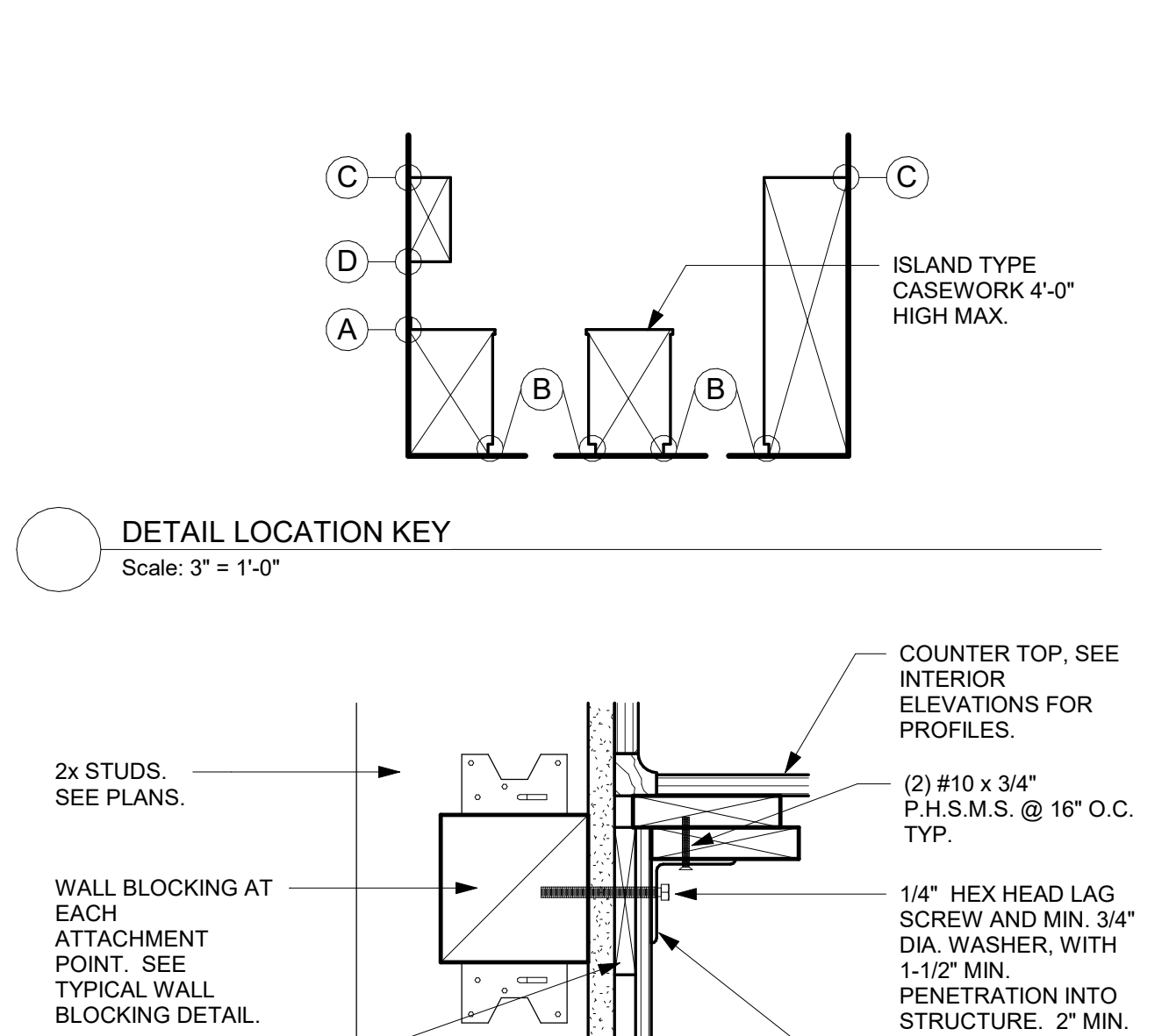
2 COUNTERTOP PROFILES
 SCALE: 6" = 1'-0"



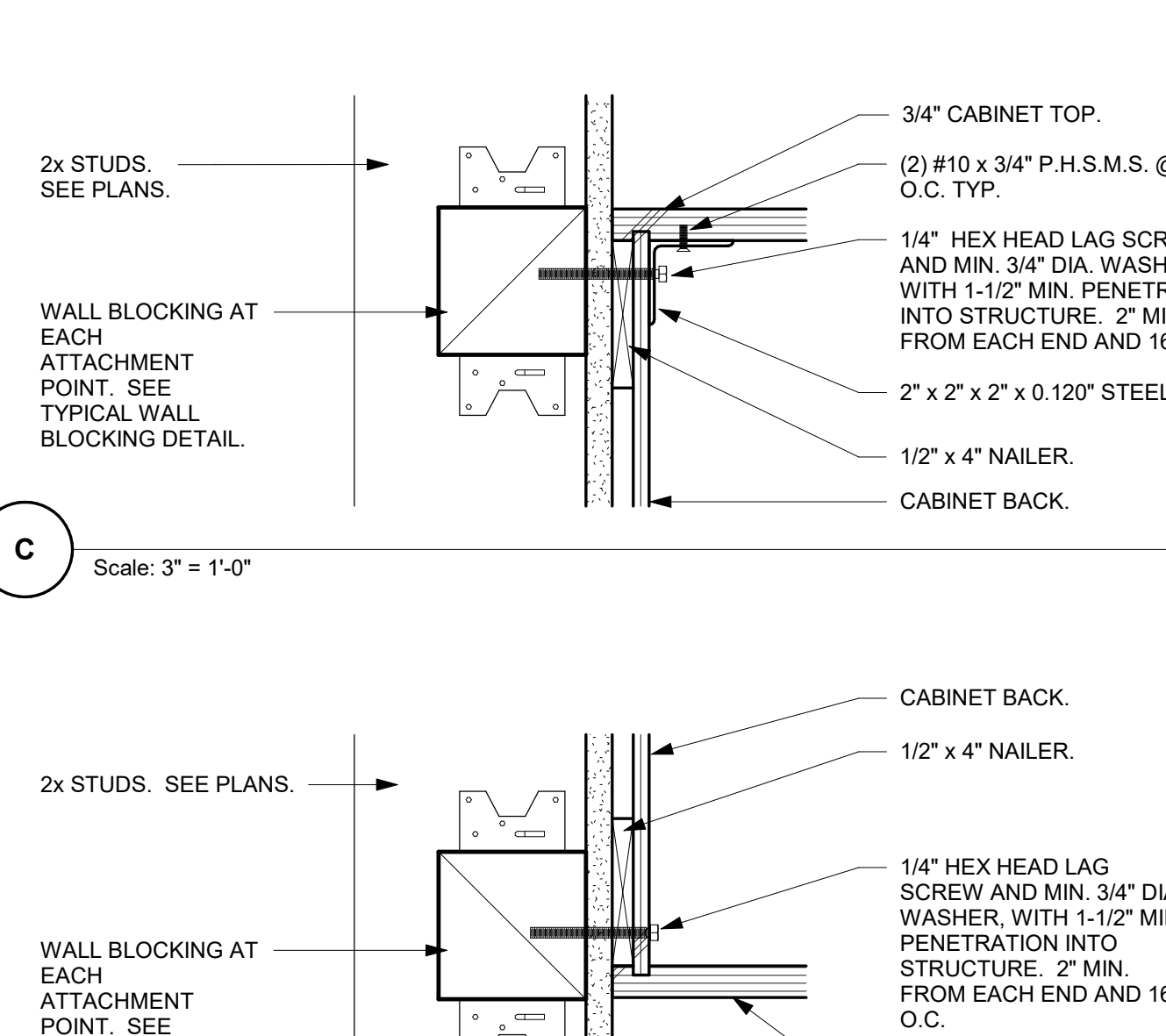
19 MIRROR MOUNTING (2x STUDS)
 SCALE: 1 1/2" = 1'-0"



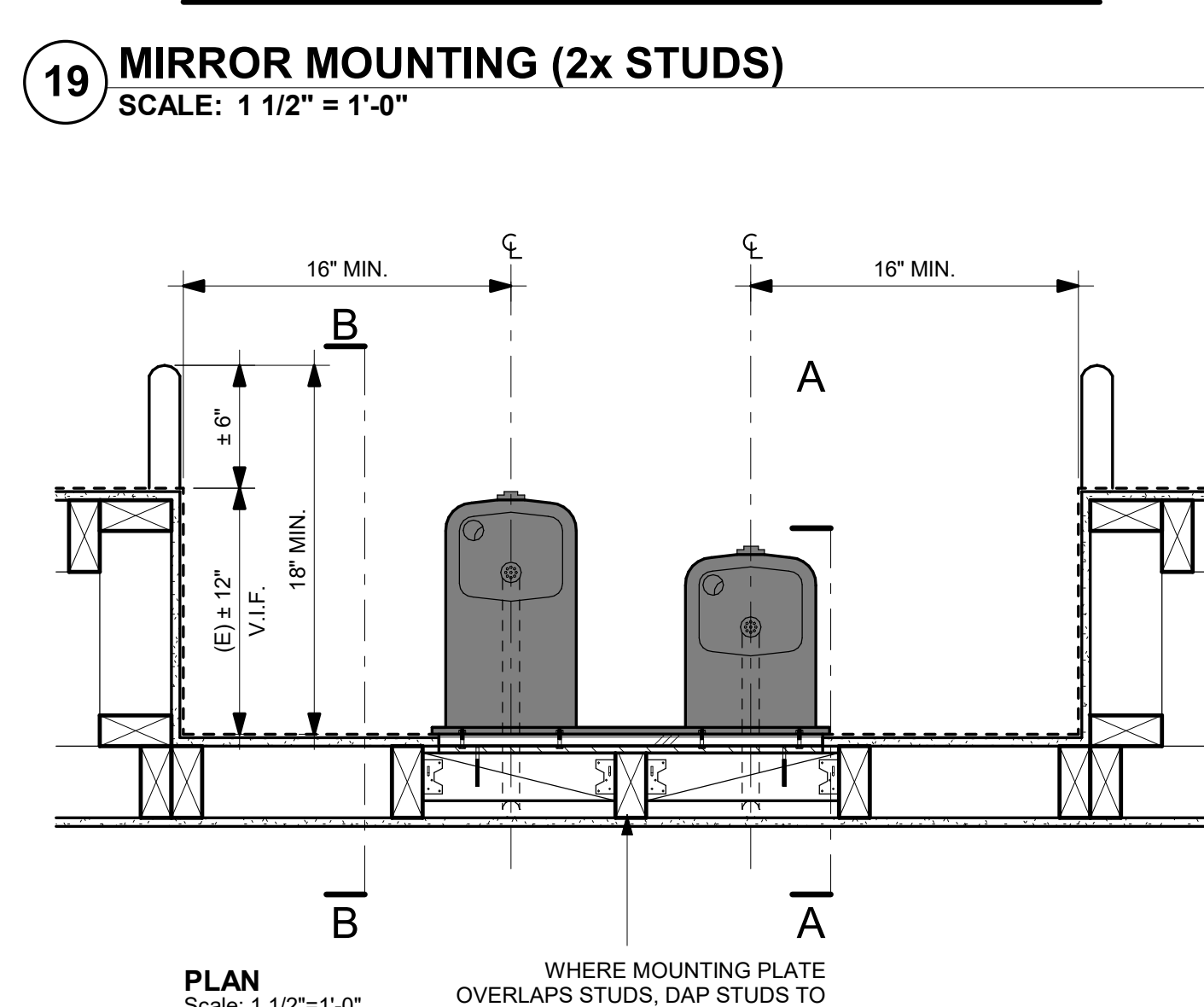
15 KNEE CLEARANCE AT LAVATORY
 SCALE: 1" = 1'-0"



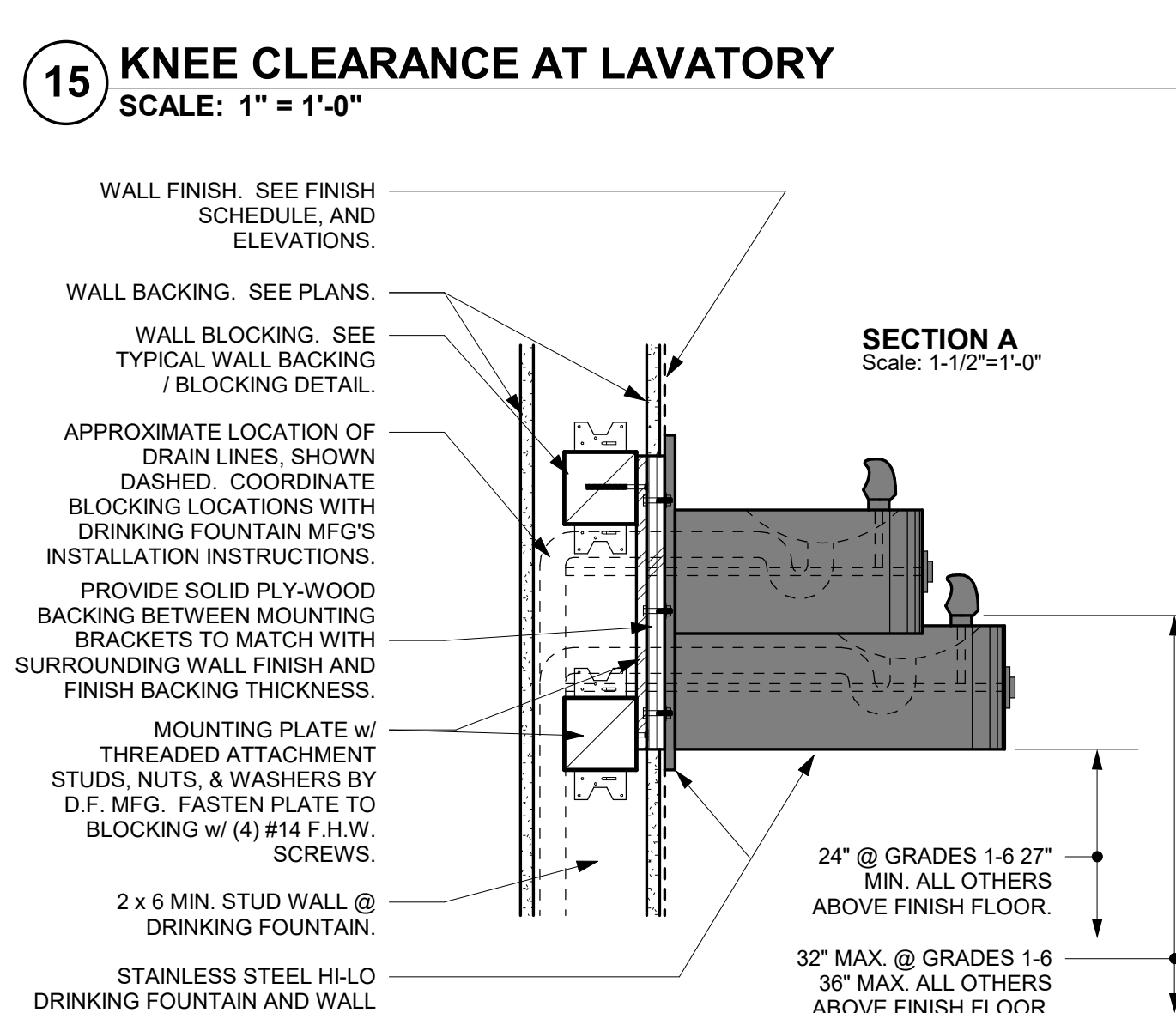
8 CABINET ANCHORAGE DETAILS (2x STUDS)
 SCALE: 3" = 1'-0"



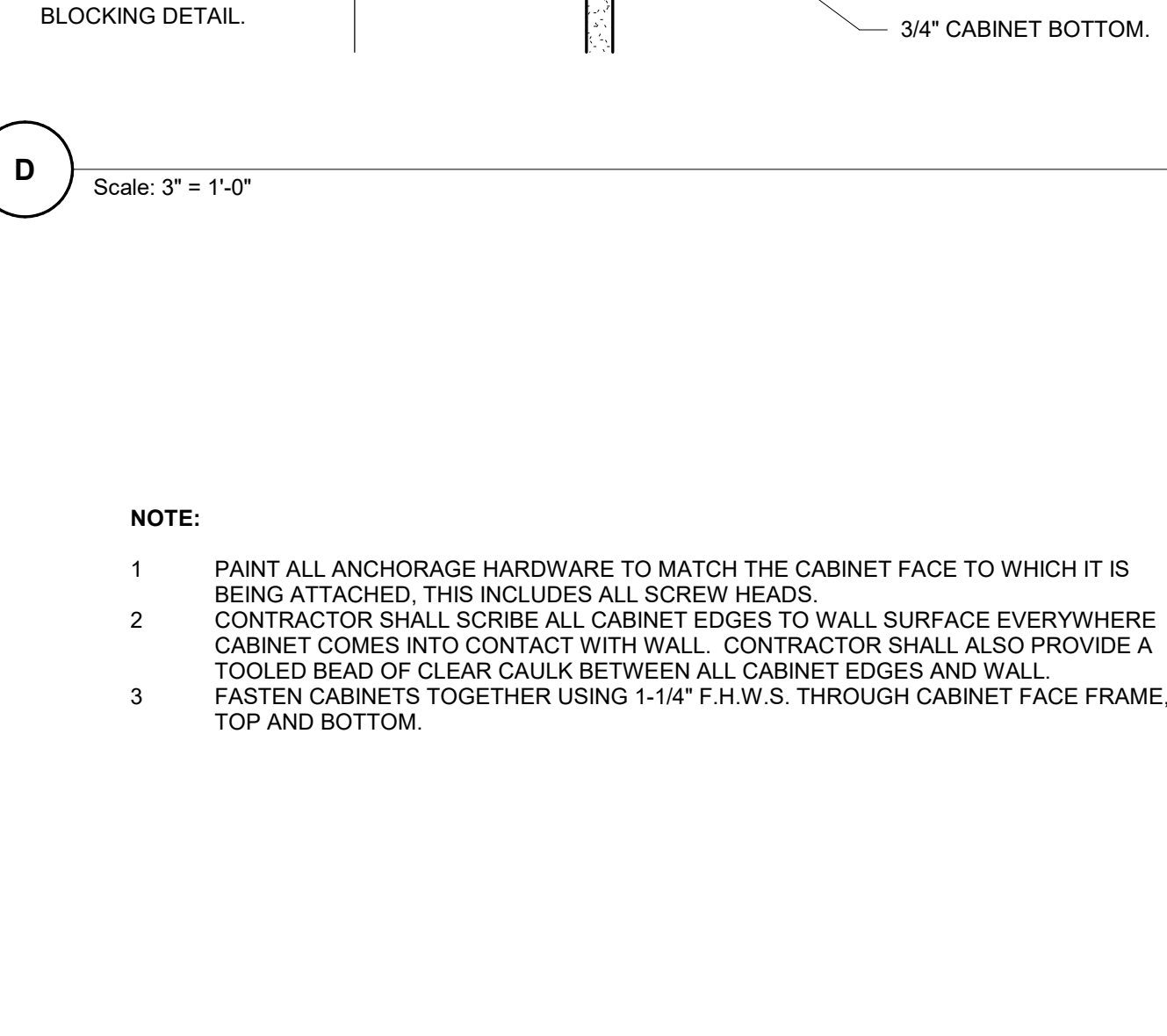
DETAIL LOCATION KEY
 Scale: 3" = 1'-0"



20 HI-LO DRINKING FOUNTAIN ANCHORAGE
 SCALE: 1 1/2" = 1'-0"



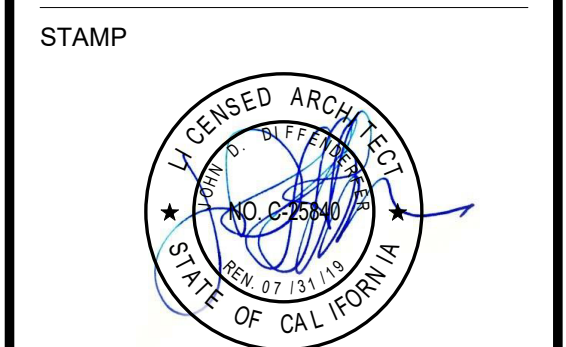
8 CABINET ANCHORAGE DETAILS (2x STUDS)
 SCALE: 3" = 1'-0"



2 COUNTERTOP PROFILES
 SCALE: 6" = 1'-0"

PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

 Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT
 CONSULTANT



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
1		

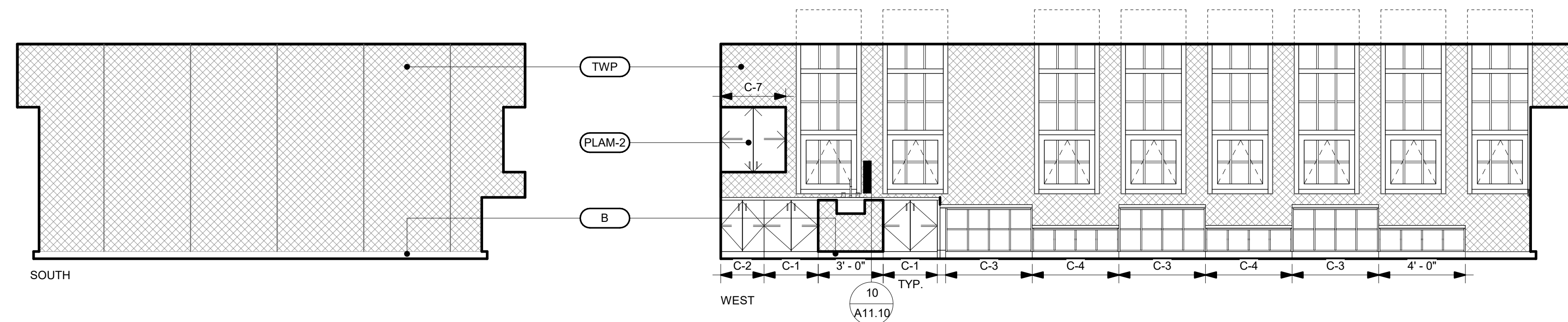
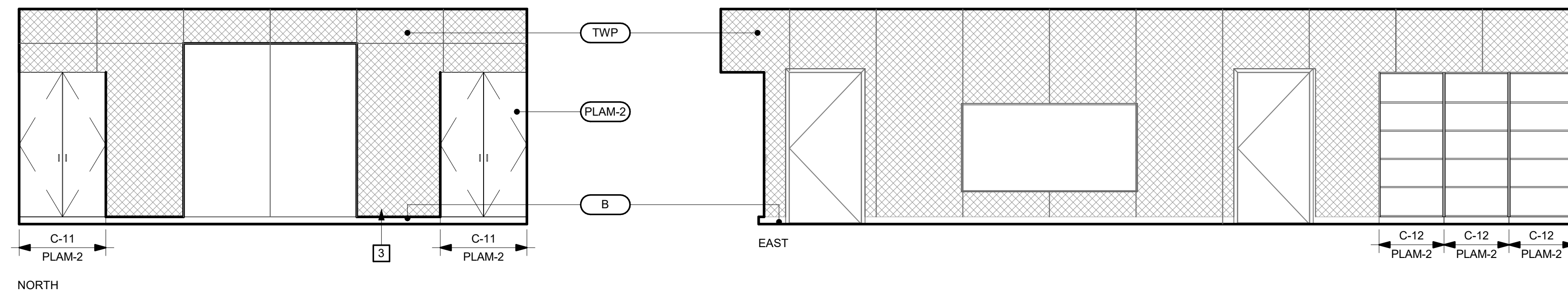
MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019
DSA BC	05/03/2019

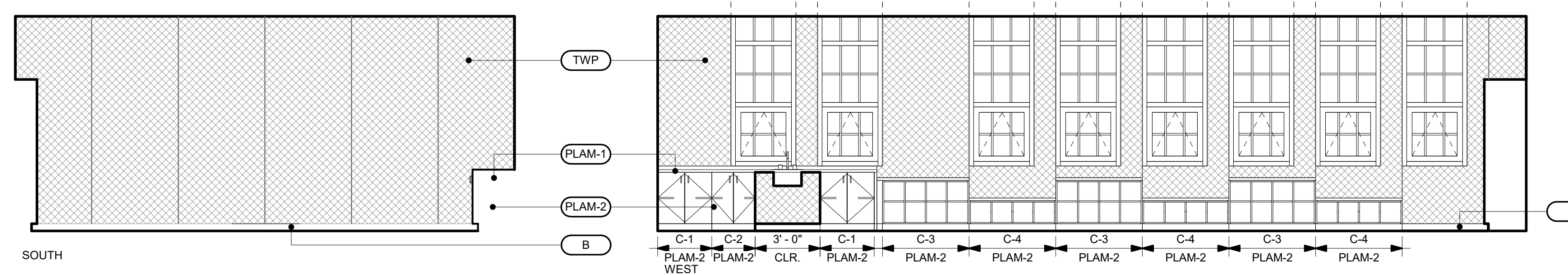
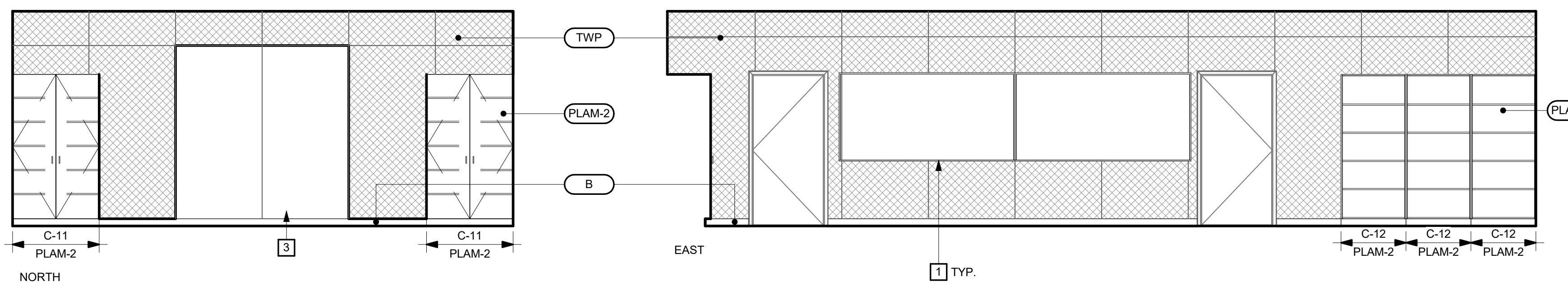
CASEWORK SCHEDULE & INTERIOR DETAILS

DATE 04/08/2019
 JOB # 2018044
 SHEET #

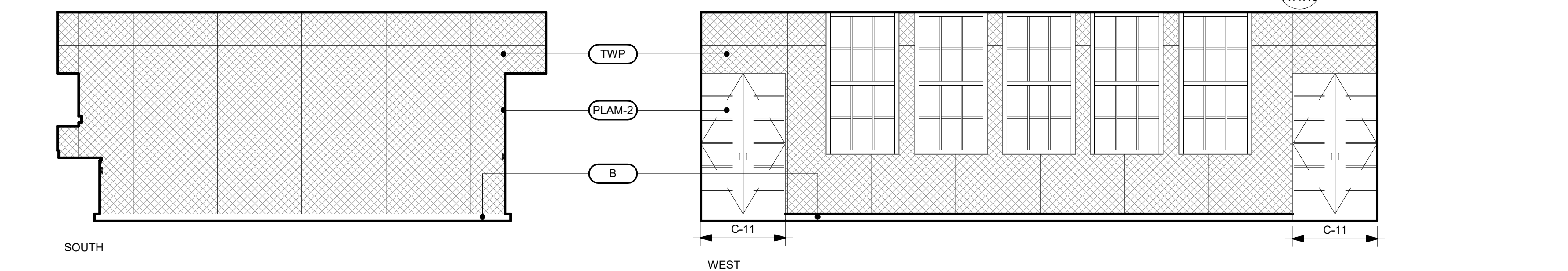
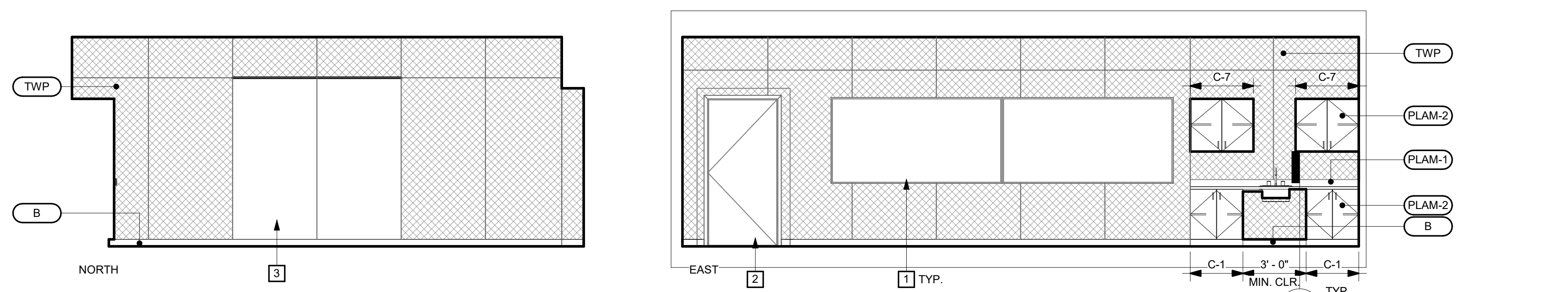
A11.10



1 PRE-K - #1
SCALE: 1/4" = 1'-0"



2 CLASSROOM - #9
SCALE: 1/4" = 1'-0"



3 CLASSROOM - #14
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE USING THE WOODWORK INSTITUTES' CABINET DESIGN SERIES (CDS) NUMBERING SYSTEM. WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK SCHEDULE.
- C SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHT OF ACCESSORIES.
- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E PAINT ALL INTERIOR DOORS, FRAME AND TRIM, U.O.N.

INTERIOR ELEVATION KEYNOTES

- 1 (N) MARKERBOARD, REFER TO SPEC
- 2 (E) DOOR AND FRAME, TYP.
- 3 (N) 8'-0" H MARKER WALL, REFER TO SPEC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2019

aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

PROJECT

**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**



Grass Valley
School District
GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

STAMP



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
No. Description Date



MILESTONES
SD
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50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET

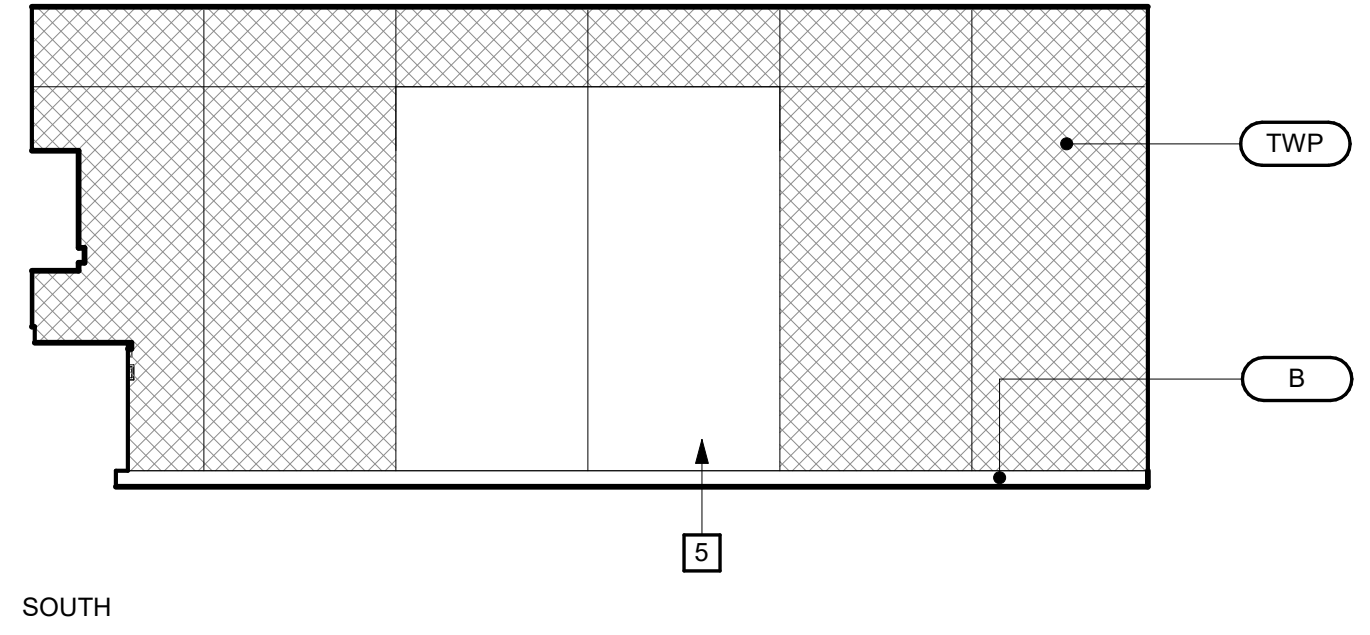
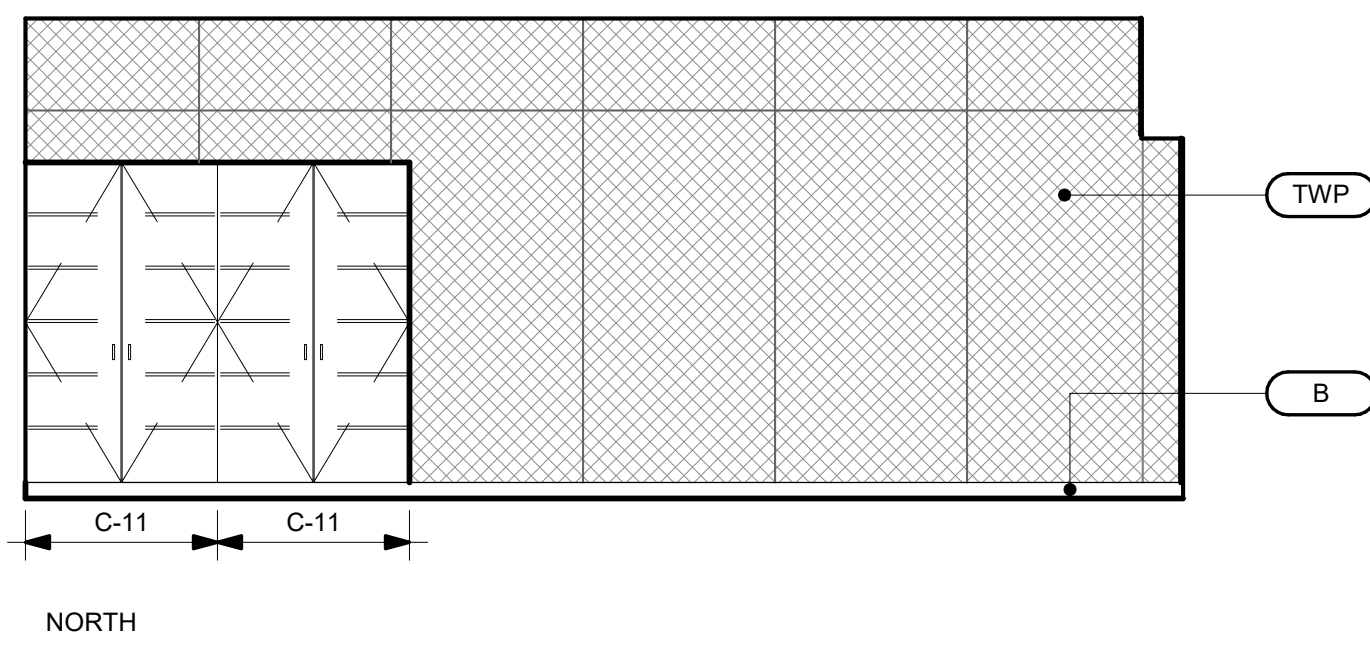
**INTERIOR
ELEVATIONS**

DATE 04/08/2019

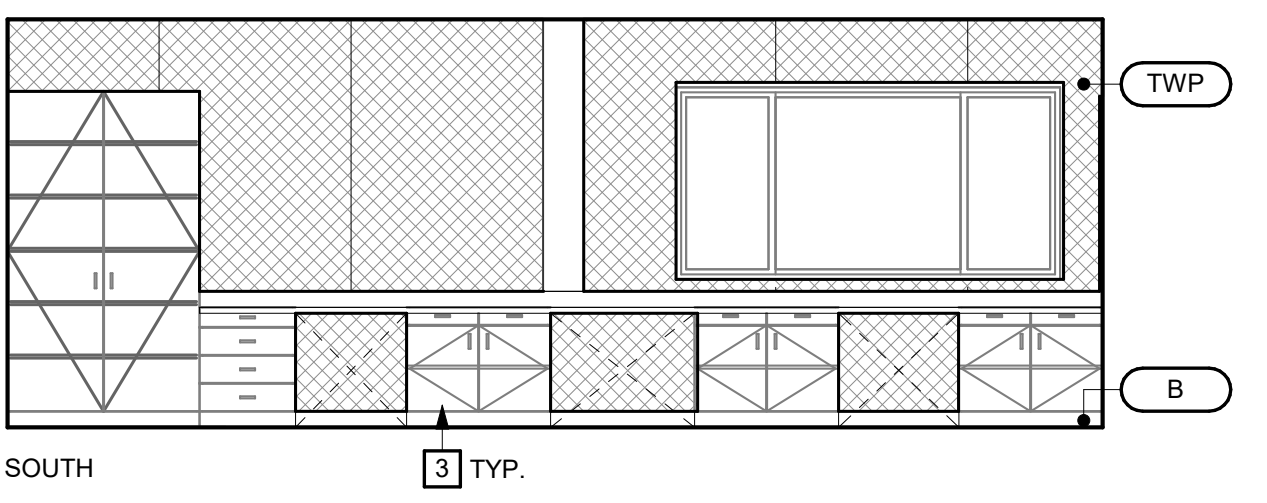
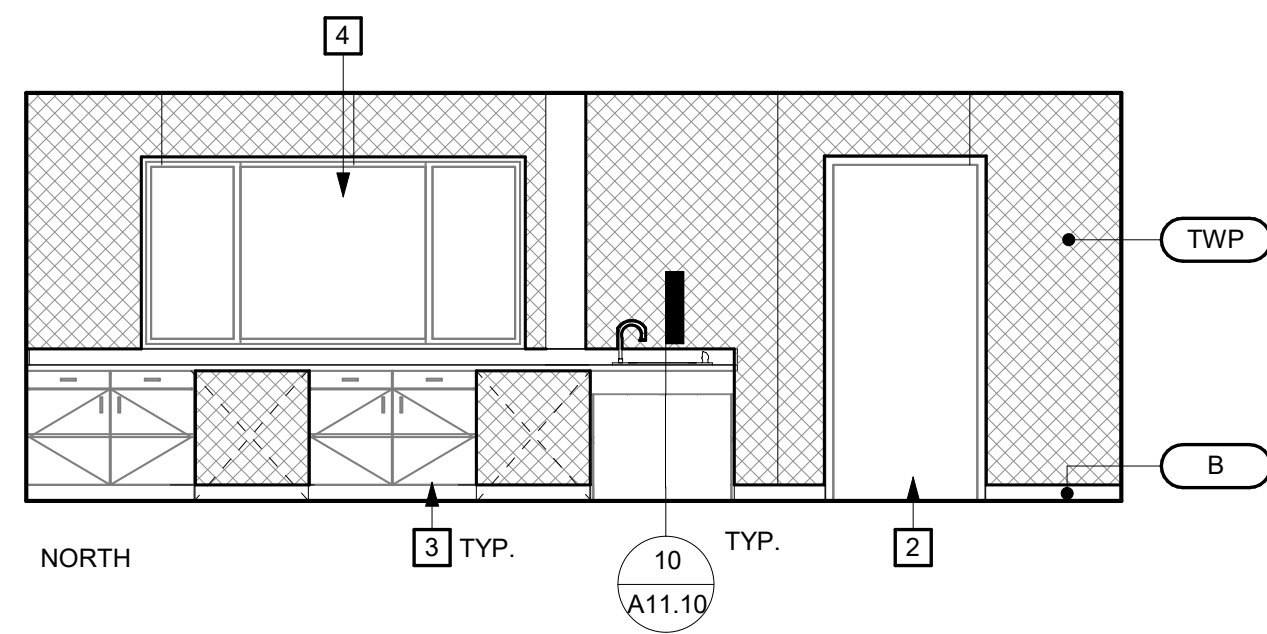
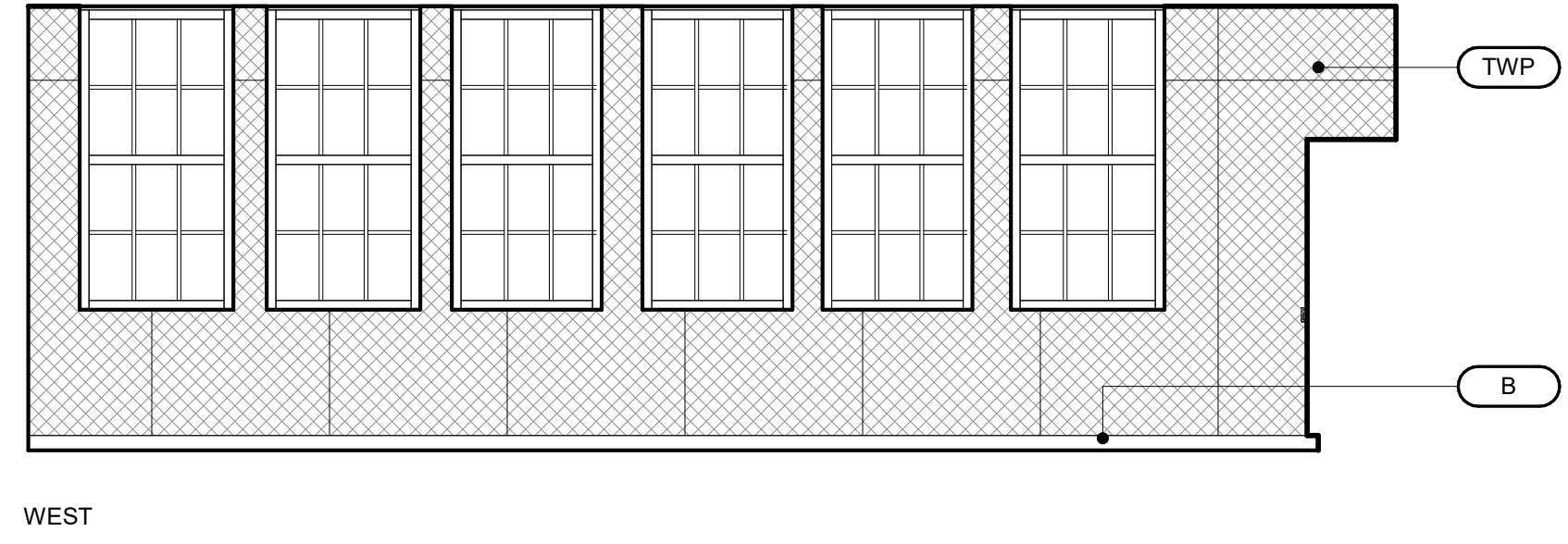
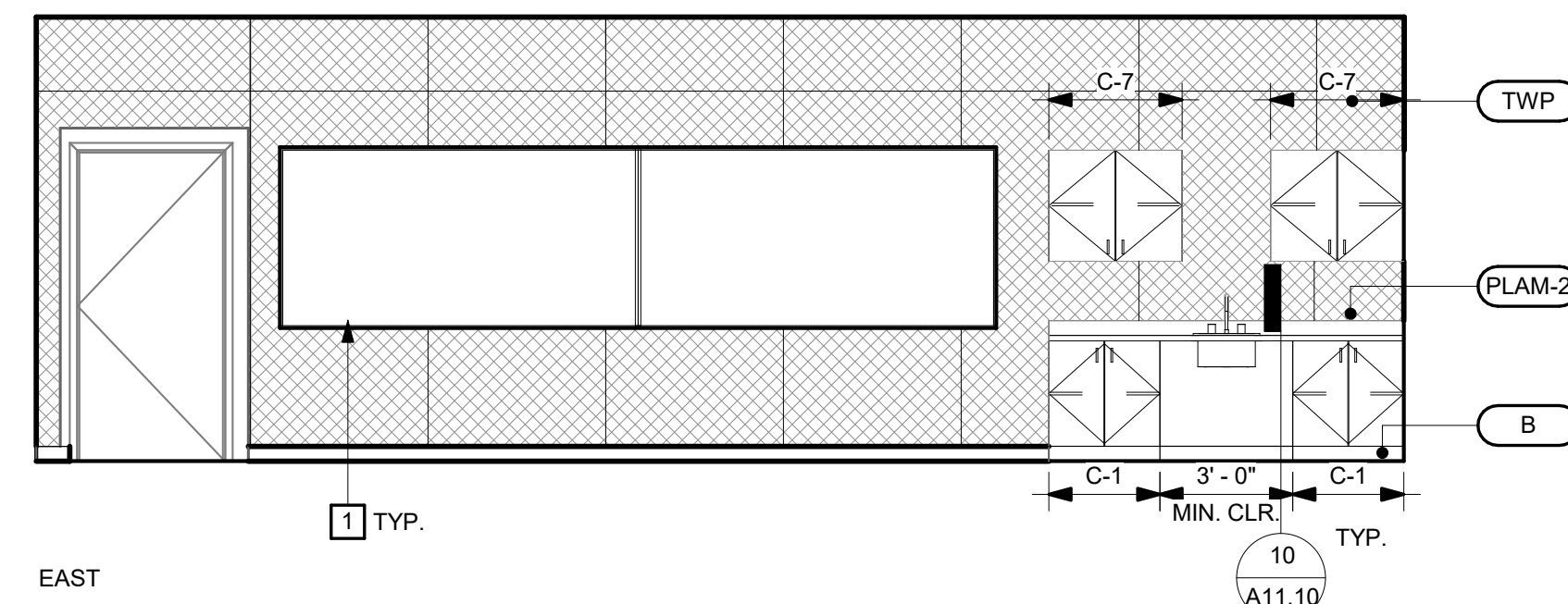
JOB # 2018044

SHEET #

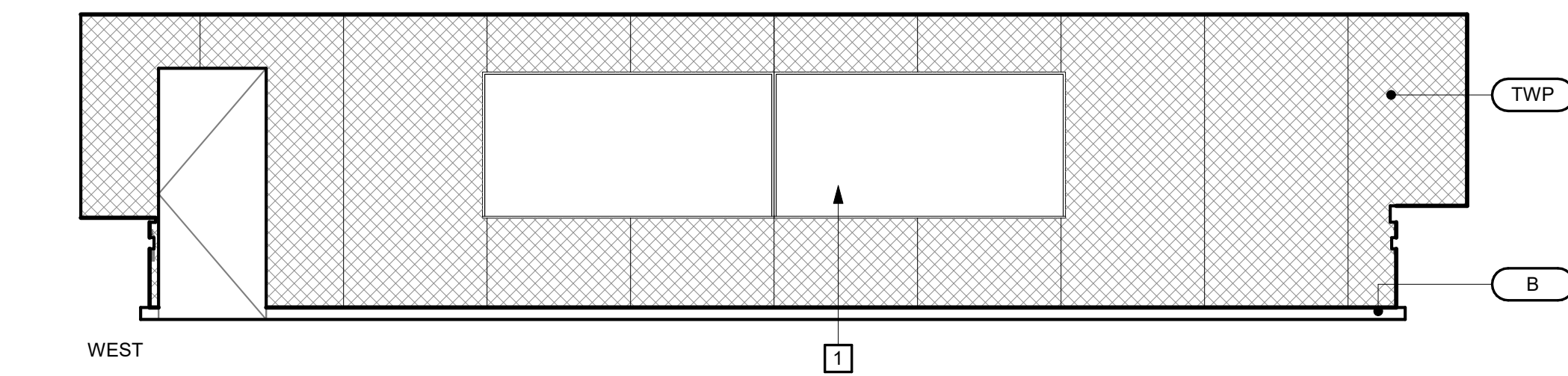
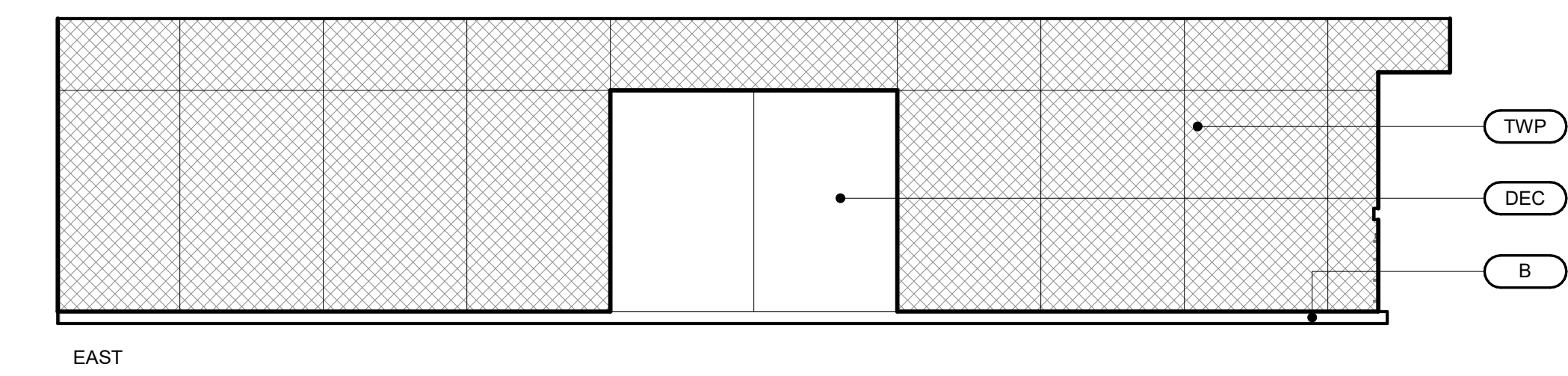
A12.01



1 CLASSROOM - RM #19
SCALE: 1/4" = 1'-0"



2 CLASSROOM - RM #31
SCALE: 1/4" = 1'-0"

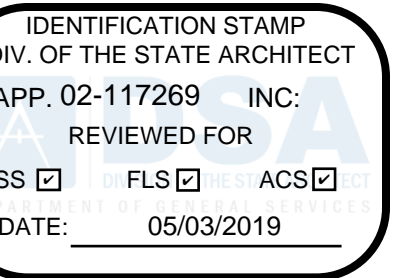


GENERAL SHEET NOTES

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- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE USING THE WOODWORK INSTITUTES' CABINET DESIGN SERIES (CDS) NUMBERING SYSTEM. WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK SCHEDULE.
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- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E PAINT ALL INTERIOR DOORS, FRAME AND TRIM, U.O.N.

INTERIOR ELEVATION KEYNOTES

- 1 (N) MARKERBOARD, REFER TO SPEC
- 2 (E) DOOR AND FRAME TO REMAIN; PROTECT DURING CONSTRUCTION
- 3 (N) LAMINATE ON (E) CABINET BODY. PROVIDE AND INSTALL NEW DOORS AND DRAWER FRONTS, TYP.
- 4 (E) WINDOW TO REMAIN, PROTECT DURING CONSTRUCTION
- 5 (N) 8'-0" H MARKER WALL, REFER TO SPEC



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PROJECT

**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**



Grass Valley
School District

GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

STAMP



STATE

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REVISIONS

No.	Description	Date

MILESTONES

SD	
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50% CD	
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DSA SUB	01/18/2019
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SHEET

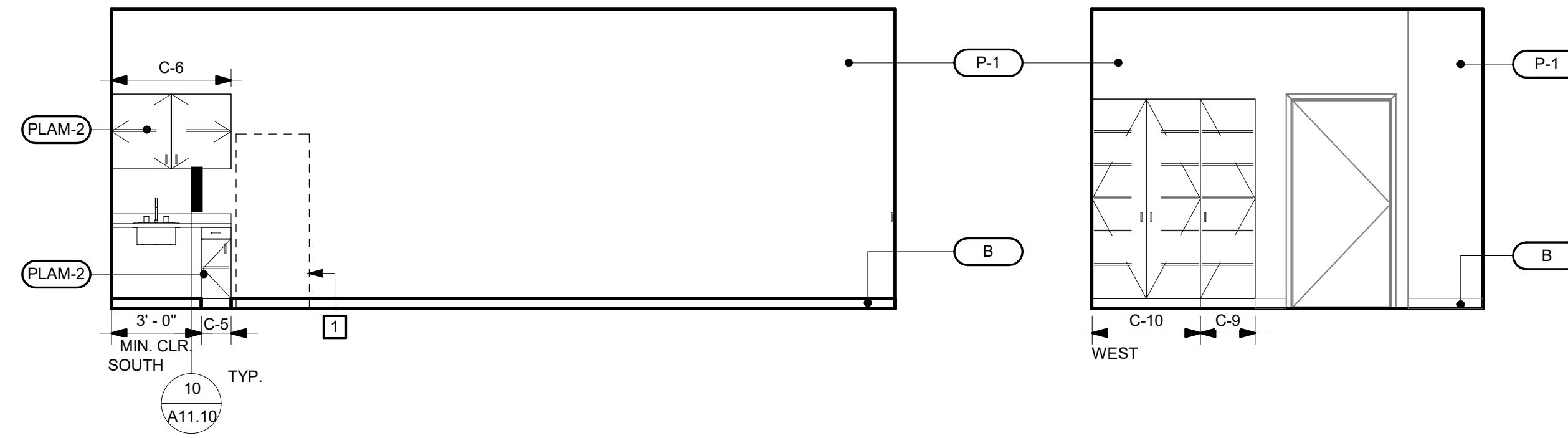
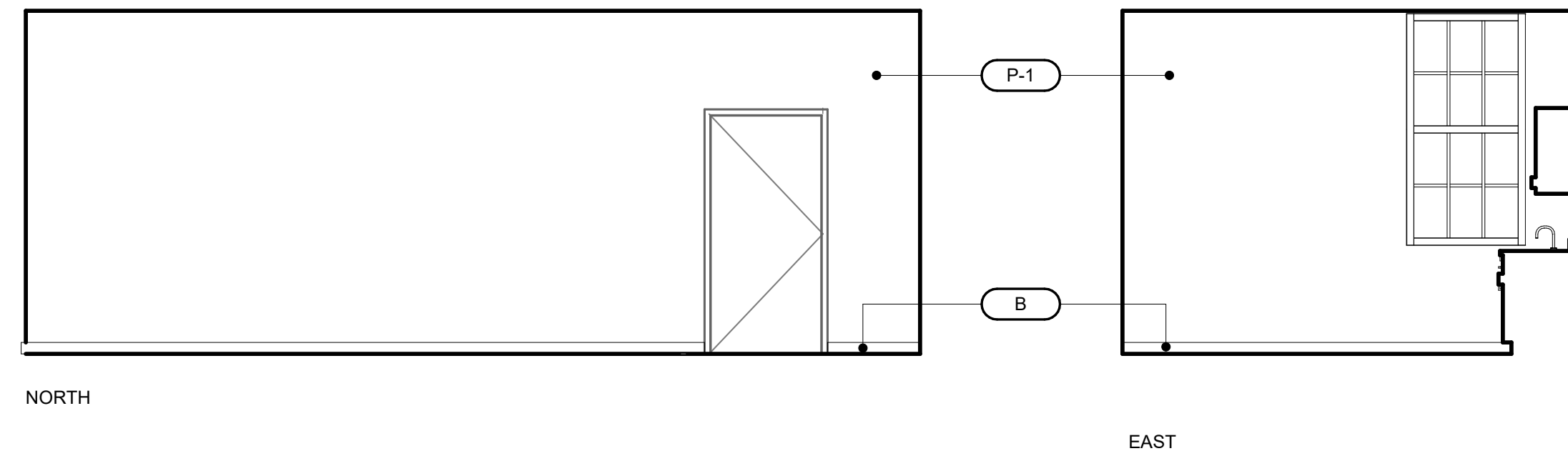
**INTERIOR
ELEVATIONS**

DATE 04/08/2019

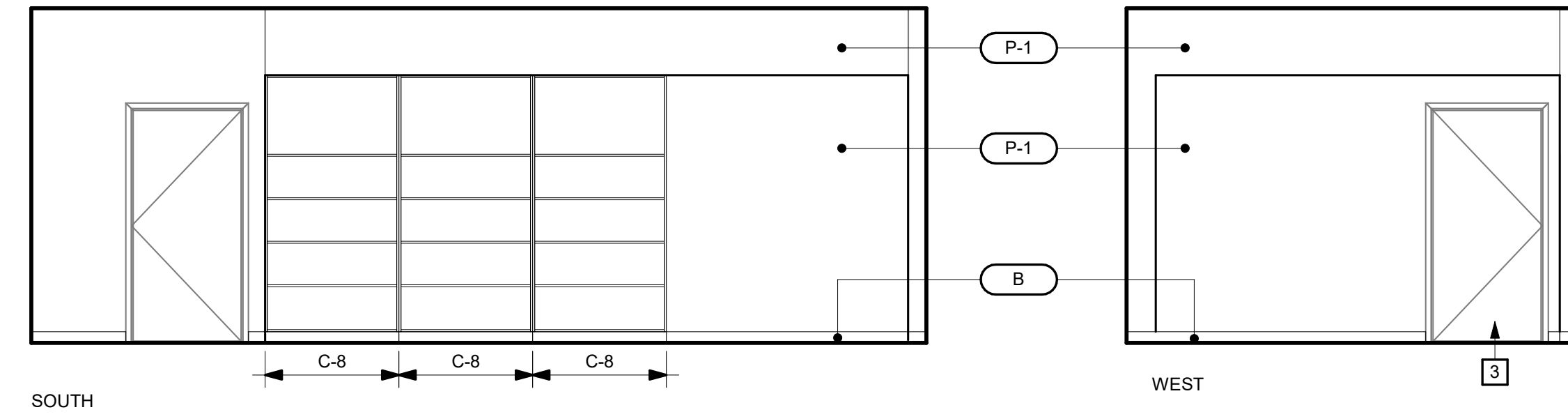
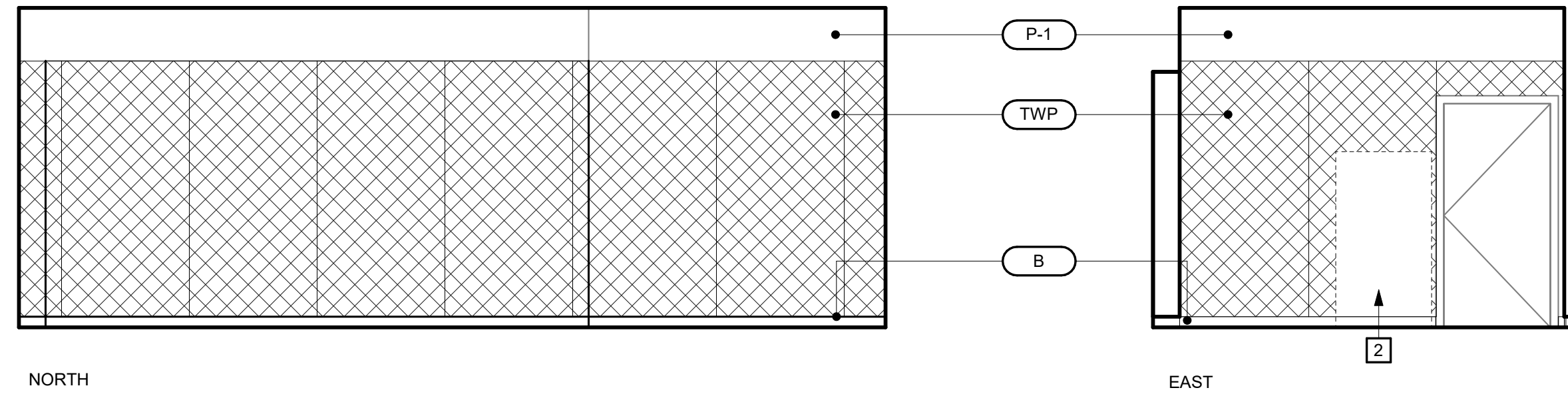
JOB # 2018044

SHEET #

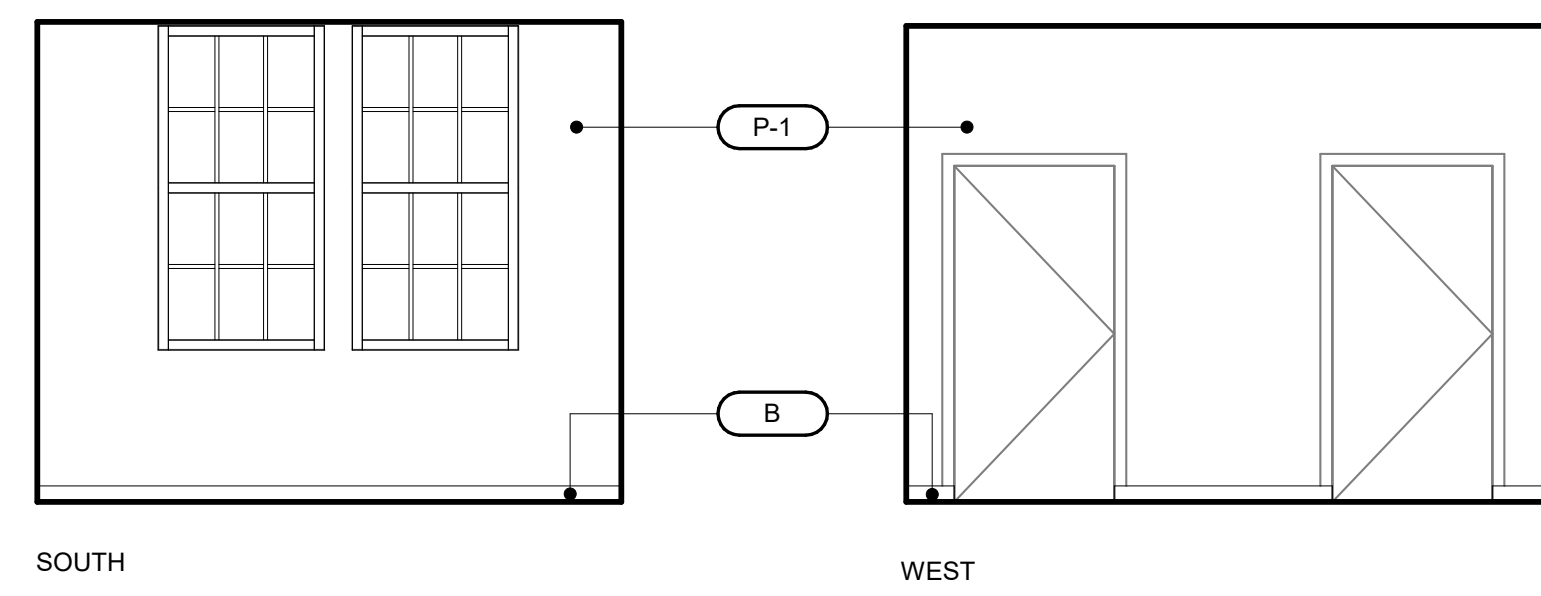
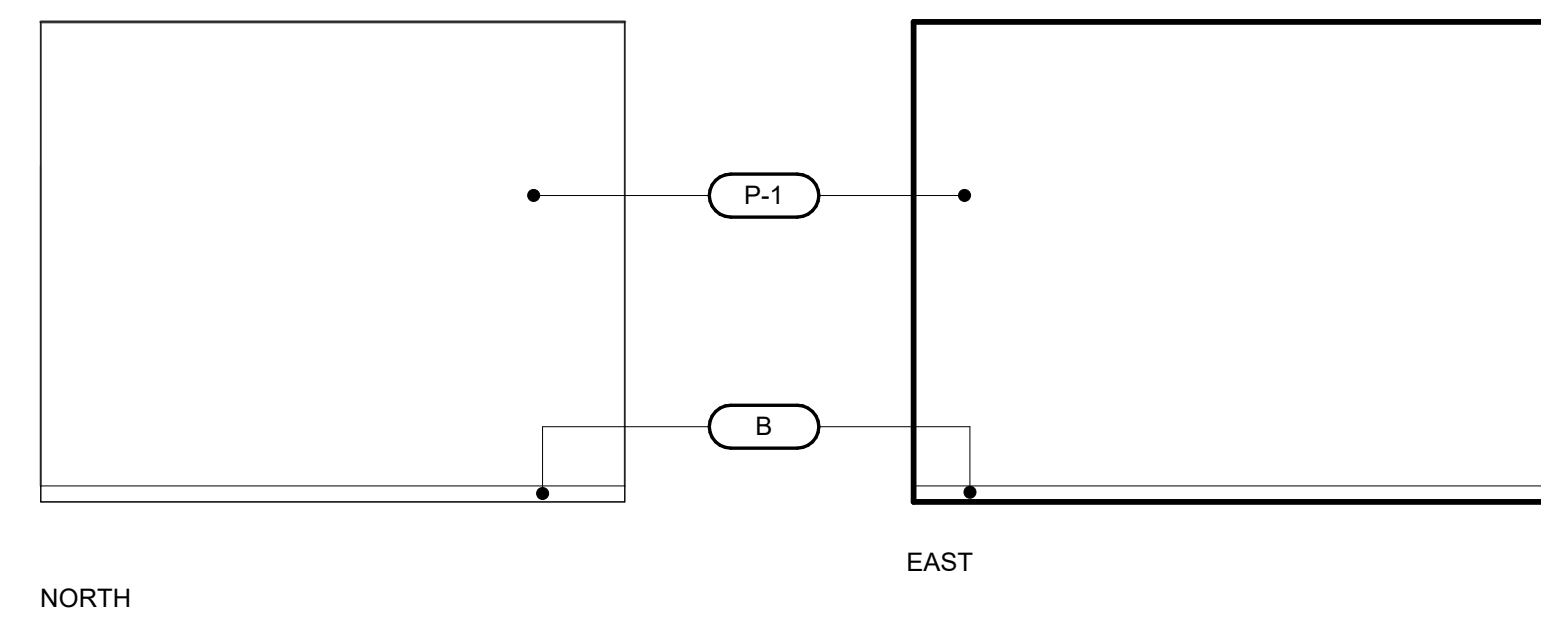
A12.02



1 18 - CONF. B/ PRINCIPAL/ NURSE - NORTH
SCALE: 1/4" = 1'-0"



2 19 - WORK ROOM - NORTH
SCALE: 1/4" = 1'-0"



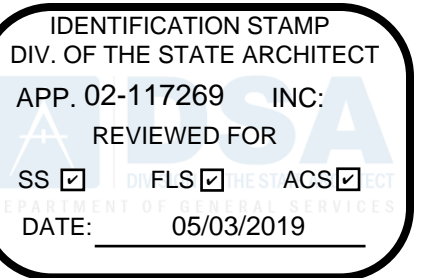
3 31 - ASST. PRINCIPAL - NORTH
SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

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- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE USING THE WOODWORK INSTITUTES' 'CABINET DESIGN SERIES (CDS)' NUMBERING SYSTEM. WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK SCHEDULE.
- C SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHT OF ACCESSORIES.
- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E PAINT ALL INTERIOR DOORS, FRAME AND TRIM, U.O.N.

INTERIOR ELEVATION KEYNOTES

- 1 REFRIGERATOR, OFCI
- 2 (E) EQUIPMENT IN THE WALL TO REMAIN, PROTECT DURING CONSTRUCTION
- 3 (E) DOOR AND FRAME TO REMAIN, PROTECT DURING CONSTRUCTION



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PROJECT

GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019



Grass Valley
School District
GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

STAMP



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
No. Description Date

△

MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019
DSA BC 05/03/2019

SHEET
**INTERIOR
ELEVATIONS**

DATE 04/08/2019
JOB # 2018044
SHEET #

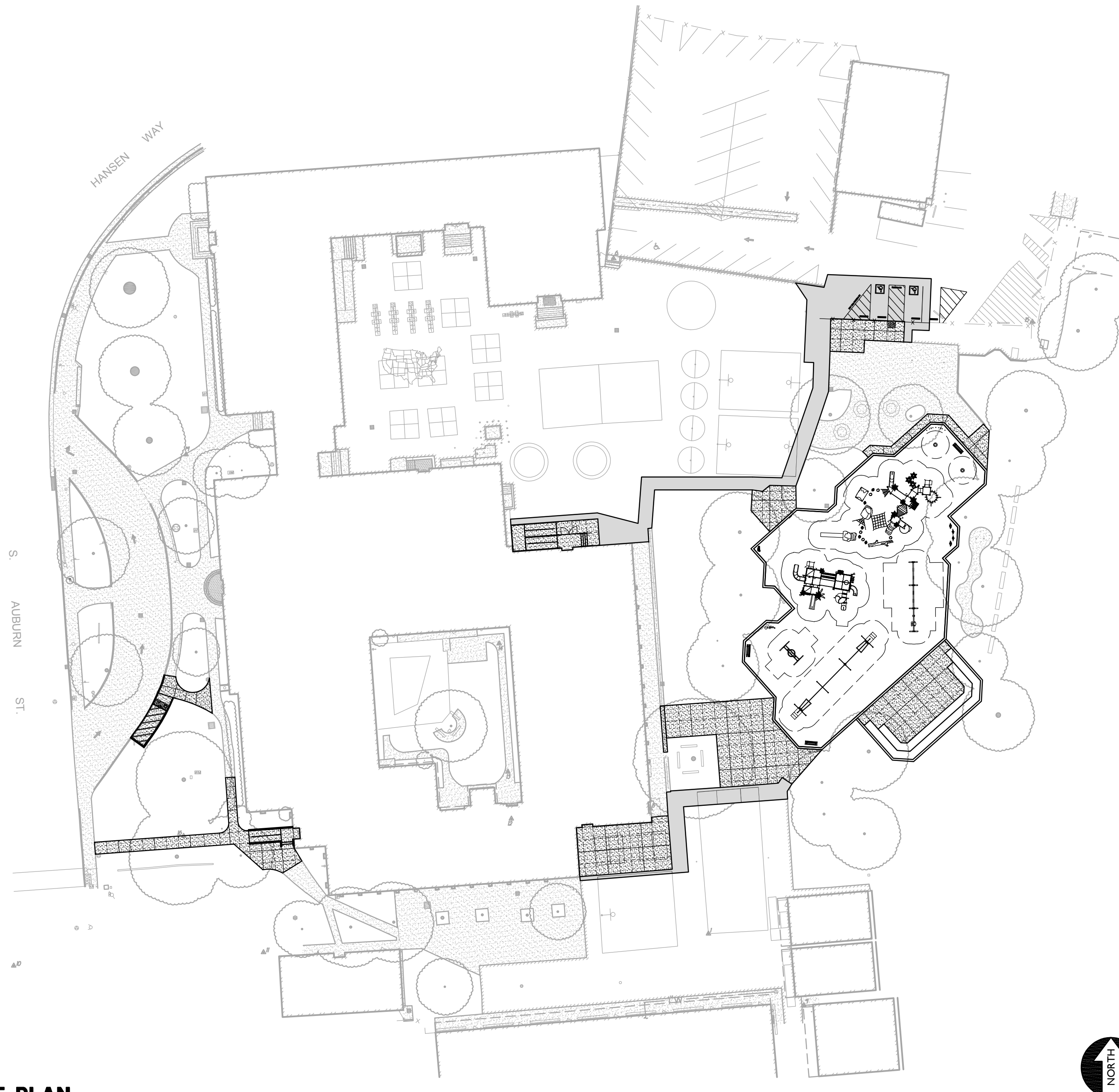
A12.03

GENERAL NOTES

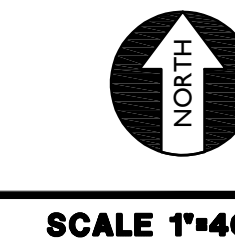
- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A 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 1-800-277-2600, OR 811.
- 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.
- 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.
- 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.
- 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.
- 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 CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY, FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- 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.
- 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 "TRACKED" WITH EMULSION PRIOR TO PAVING.
- 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.
- 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.
- 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.
- CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT, ANY "SPOTTY" APPLICATIONS SHALL BE CORRECTED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- 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 REINFORCEMENT WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- NO MORE THAN ONE 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.
- WHEN PUMPING CONCRETE OR PLACEMENT RESULTING IN NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTOR'S EXPENSE.
- ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR 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 CONTRACTOR'S EXPENSE.
- 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.
- 3-1/2" FELT JOINTS WILL BE ACCEPTED, PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.
- 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 WITH NEW CONCRETE. SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE REPLACED WITH SOIL UNLESS OTHERWISE NOTED.
- 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.



GRASS VALLEY CHARTER SCHOOL 2019 MODERNIZATION



SITE PLAN



UTILITY LOCATING REQUIREMENT

CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

DEMOLITION GENERAL NOTES

- 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 ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- 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.
- 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 EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2014 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
- ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.
- SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND 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.
- CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEADS, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

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
- CONSTR. 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 EPOXY PAVEMENT
- ESMT EASEMENT
- EX EXISTING
- FS FIRE SERVICE LINE
- FDC FIRE DEPARTMENT CONNECTION
- FL FLOWLINE
- FM SANITARY SEWER FORCE MAIN
- FF FINISHED FLOOR ELEVATION
- FH FIRE HYDRANT
- G GAS
- GR GRADE ELEVATION
- GRD GRADE ELEVATION
- GV GATE VALVE
- HB HOSE BIBB
- HBD HEADER BOARD
- HDPPE 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
- PV POST INDICATOR VALVE
- P/L PROPERTY LINE
- PP POWER POLE
- PUE PUBLIC UTILITY EASEMENT
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED CONCRETE PIPE
- R RADIUS
- RM MANHOLE RIM ELEVATION (SOLID COVER)
- RP REDUCED PRESSURE BACKFLOW PREVENTER
- RT RIGHT OF WAY
- SCH SCHEDULE
- SD STORM DRAIN
- SDMH STORM DRAIN MANHOLE
- SG SUBGRADE ELEVATION
- 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
- U UNDERGROUND
- UON UNLESS OTHERWISE NOTED
- VCP VITRIFIED CLAY PIPE
- W WATER
- W/ WITH
- W/O WITHOUT
- WV WATER VALVE

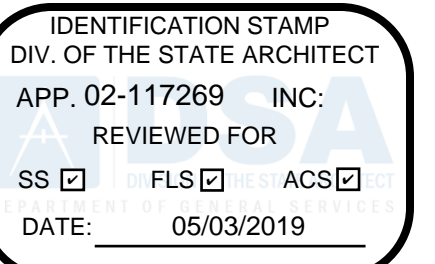
LEGEND

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)
 - 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)
 - 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
 - WATER METER
 - FH FIRE HYDRANT ASSEMBLY
 - 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
 - 6" BLOW-OFF VALVE + SIZE
 - PIV POST INDICATOR VALVE

SHEET INDEX

NO.	SHEET DESCRIPTION
C0.1	COVER SHEET
C0.2	TOPOGRAPHIC SURVEY
C0.3	UTILITY SURVEY
C1.1	DEMOLITION PLAN
C1.2	ENGINEERED FILL PLAN
C2.1	GRADING PLAN
C3.1	UTILITY PLAN
C4.1	PAVING PLAN
C5.1	EROSION CONTROL PLAN
C6.1	DETAILS AND SECTIONS

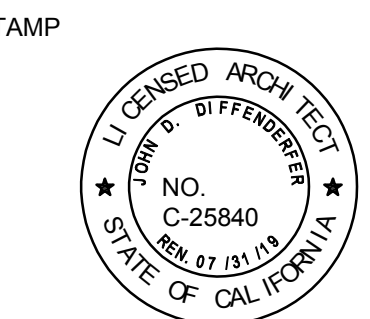


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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

Grass Valley School District
GRASS VALLEY SCHOOL DISTRICT
CONSULTANT



STATE DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
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SHEET
COVER SHEET

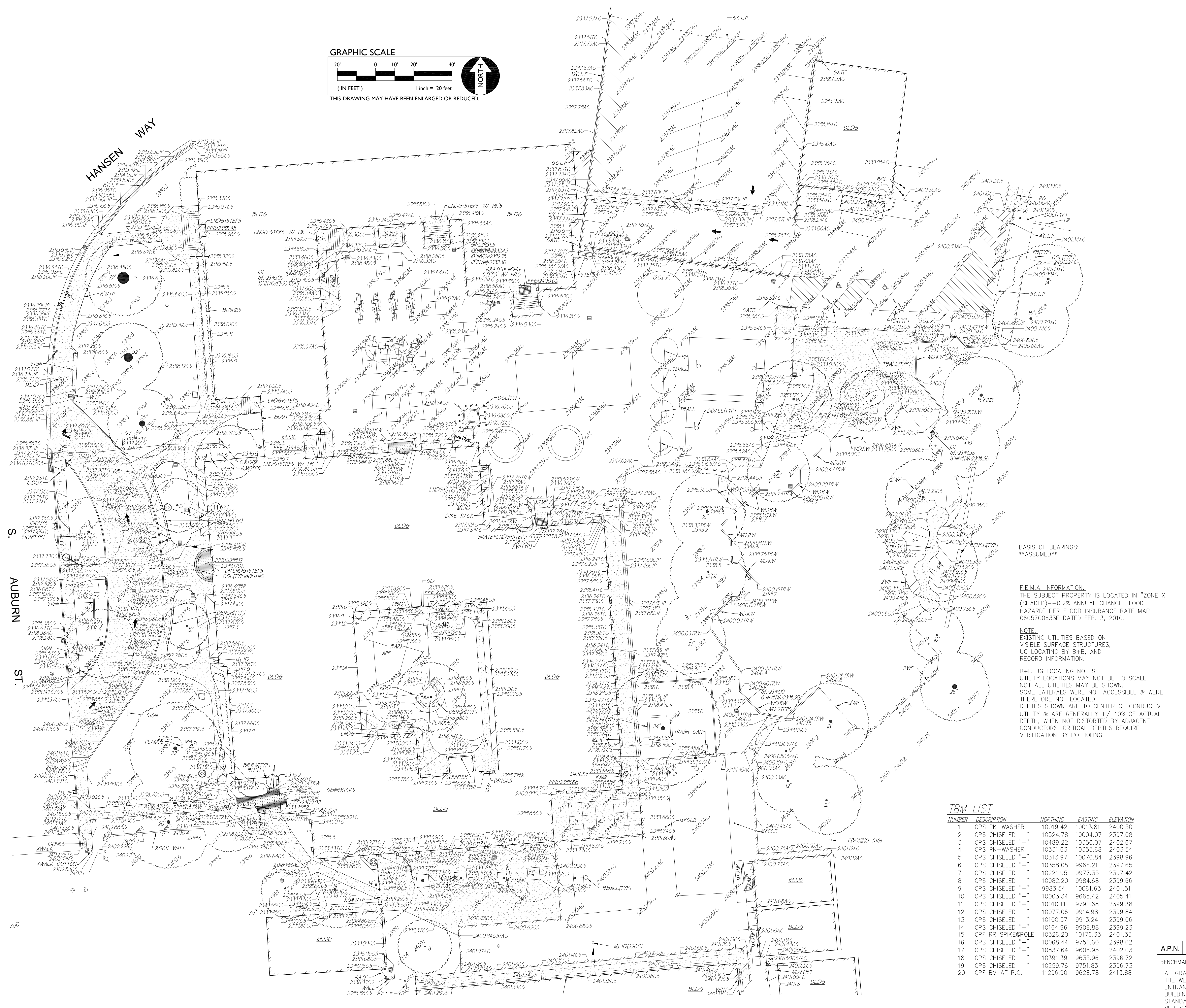
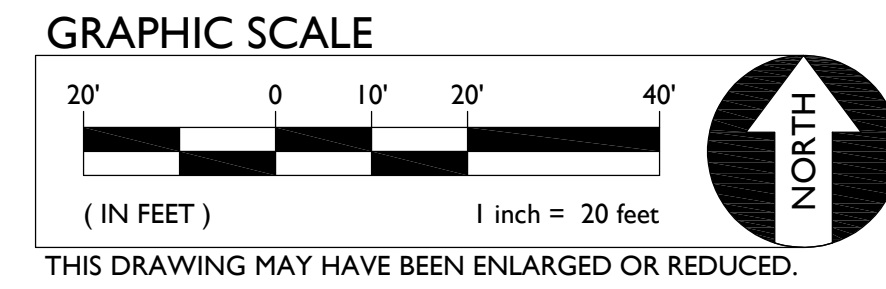
DATE 05/03/2019
JOB # 2018044
SHEET #

C0.1

ABBREVIATIONS

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

- SP UNKNOWN
- AC ASPHALTIC CONCRETE
- ACC ACCESSIBLE
- ADU AIR CONDITIONING UNIT
- ADH AREA DRAIN
- ADP ASSESSOR'S PARCEL NUMBER
- ARV AIR RELEASE VALVE
- BBALL BASKETBALL POLE
- BCM BRASS CAP MONUMENT
- BFP BACK FLOW PREVENTER
- BL BLOCK
- BOL BOLLARD
- BOW BLOW-OFF VALVE
- BR BRICK
- BWF BARBED WIRE FENCE
- CAF COMMUNICATION
- CAB CABINET
- CATV CABLE TELEVISION
- CB COMMUNICATIONS BOX
- CP CAPPED
- CL CLASS
- CLF CHAIN LINK FENCE
- CMP CORRUGATED METAL PIPE
- CO CLEANOUT
- COL COLUMN
- CONC CONCRETE
- COND CONDENSATE
- CONSTR CONSTRUCTION
- CPF CONTROL POINT FOUND
- CPS CONTROL POINT SET
- CS CONCRETE SURFACE
- CS DEPTH
- DD DEPTH DETECTOR CHECK VALVE
- DF DRIVING FOUNTAIN
- DG DECOMPOSED GRANITE
- DI DIAMETER
- DRWY DRIVEWAY
- DS DOWNSPOUT
- DWG DRAWING
- EP EDGE OF PAVEMENT
- ESMT EASEMENT
- EST EXISTING
- FL FIRE ALARM
- FA FIRE DEPARTMENT CONNECTION
- FDC FINISHED FLOOR ELEVATION
- FH FIRE HYDRANT
- FL FLOWING
- FO FIBER OPTIC
- FS FIRE SERVICE
- GS GRADE BREAK
- GR GRADE
- GRB GRADE ROD BOX
- GRD GRADE ELEVATION
- GRND GROUND
- GV GAS VALVE
- HB HOSE BIBB
- HDB HEADER BOARD
- HP HIGH PRESSURE
- HR HANDRAIL
- IC IN CONCRETE
- ICP IRRIGATION CONTROL PANEL
- IRV IRRIGATION CONTROL VALVE
- IRV IRRIGATION
- JP JOINT UTILITY POLE
- JT JOINT TRENCH
- LF LINEAL FEET
- LVE LOW VOLTAGE ELECTRIC
- M MANHOLE
- MS METAL STORAGE CONTAINER
- MU MULTIPLE
- OH OVERHEAD
- OP OPEN PIPE
- OSP OLD STEEL POST HOLE
- PA PLANTER AREA
- PD POSTHOLE
- PIV POST INDICATOR VALVE
- PIP POWER PIPE
- PRWG PARAWALL
- PUE PUBLIC UTILITY EASEMENT
- PVC POLYVINYL CHLORIDE
- RUBBER RUBBER
- RIM MANHOLE RIM ELEVATION
- ROW RIGHT OF WAY
- RPP REDUCED PRESSURE BACKFLOW PREVENTER
- RWALL RETAINING WALL
- RWL RAIN WATER LEADER
- SB SIGNAL BOX
- SD STORM DRAIN
- SOMH STORM DRAIN MANHOLE
- SPR SPRINKLER
- SL STREET LIGHT
- SLB STREET LIGHT BOX
- SPL SPLASH BLOCK
- SS SANITARY SEWER
- SSB SANITARY SEWER BOX
- SSCD SANITARY SEWER CLEANOUT
- SSMH STANDARD MANHOLE
- STL STEEL
- TEL TELEPHONE
- TBALL TETHER BALL POLE
- TBM TEMPORARY BENCHMARK
- TOP TOP OF CURB
- TOW TOP OF WALL
- TP TELEPHONE POLE
- TW TOP OF RETAINING WALL
- UG UNDERGROUND
- UNK UNKNOWN
- V VENT
- VBALL VOLLEYBALL
- W WATER
- W/ WOOD
- WDF WROUGHT IRON FENCE
- XFRM TRANSFORMER
- XWALK CROSSWALK



BASIS OF BEARINGS:
 ASSUMED

F.E.M.A. INFORMATION:
 THE SUBJECT PROPERTY IS LOCATED IN "ZONE X (SHADED)--0.2% ANNUAL CHANCE FLOOD HAZARD" PER FLOOD INSURANCE RATE MAP 06057C0633E DATED FEB. 3, 2010.

NOTE:
 EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES, UG LOCATING BY B+B, AND RECORD INFORMATION.

B+B UG LOCATING NOTES:
 UTILITY LOCATIONS MAY NOT BE TO SCALE NOT ALL UTILITIES MAY BE SHOWN. SOME LATERALS WERE NOT ACCESSIBLE & WERE THEREFORE NOT LOCATED. DEPTHS SHOWN ARE TO CENTER OF CONDUCTIVE UTILITY & ARE GENERALLY +/-10% OF ACTUAL DEPTH, WHEN NOT DISTORTED BY ADJACENT CONDUCTORS. CRITICAL DEPTHS REQUIRE VERIFICATION BY POT-HOLING.

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

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS PK+WASHER	10019.42	10013.81	2400.50
2	CPS CHISELED "+"	10524.78	10004.07	2397.08
3	CPS CHISELED "+"	10489.22	10350.07	2402.67
4	CPS PK+WASHER	10331.63	10353.68	2403.54
5	CPS CHISELED "+"	10313.97	10070.84	2398.96
6	CPS CHISELED "+"	10358.05	9966.21	2397.65
7	CPS CHISELED "+"	10221.95	9977.35	2397.42
8	CPS CHISELED "+"	10082.20	9984.68	2399.66
9	CPS CHISELED "+"	9983.54	10061.63	2401.51
10	CPS CHISELED "+"	10003.34	9665.42	2405.41
11	CPS CHISELED "+"	10010.11	9790.68	2399.38
12	CPS CHISELED "+"	10077.06	9914.98	2399.84
13	CPS CHISELED "+"	10100.57	9913.24	2399.06
14	CPS CHISELED "+"	10164.96	9908.88	2399.23
15	CPF RR SPIKE/POLE	10326.20	10176.33	2401.33
16	CPS CHISELED "+"	10068.44	9750.60	2398.62
17	CPS CHISELED "+"	10837.64	9605.95	2402.03
18	CPS CHISELED "+"	10391.39	9635.96	2396.72
19	CPS CHISELED "+"	10259.76	9751.83	2396.73
20	CP BM AT P.O.	11296.90	9628.78	2413.88

A.P.N. 008-411-004

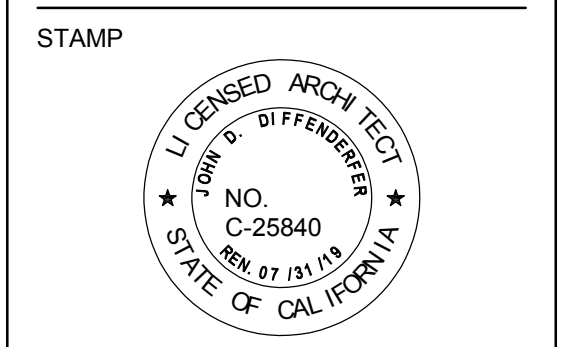
BENCHMARK NO. KSO833 ELEV. 2413.88

AT GRASS VALLEY, NEVADA COUNTY, AT THE OLD POST OFFICE, IN THE WEST WALL, 29.5 FEET NORTH OF THE CENTER OF THE MAIN ENTRANCE, 18 INCHES SOUTH OF THE NORTH CORNER OF THE BUILDING, AND ABOUT 19 INCHES ABOVE THE GROUND. A STANDARD SIZE, STAMPED GRASS VALLEY 1934 AND SET VERTICALLY.

PROJECT
 GRASS VALLEY SCHOOL CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT
 CONSULTANT



STATE FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

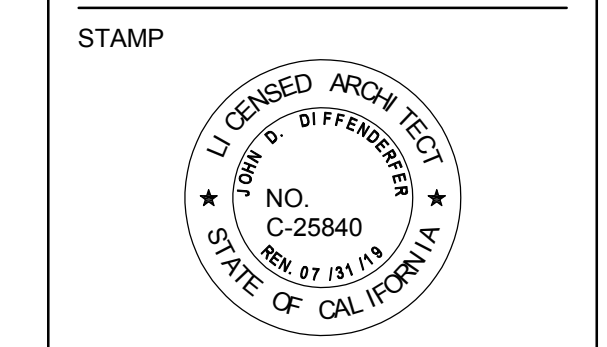
No.	Description	Date
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MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019

TOPOGRAPHIC SURVEY

DATE 05/03/2019
 JOB # 2018044
 SHEET #

C0.2



STATE FILE NUMBER **29-11**
 DSA # **02-117269**

REVISIONS

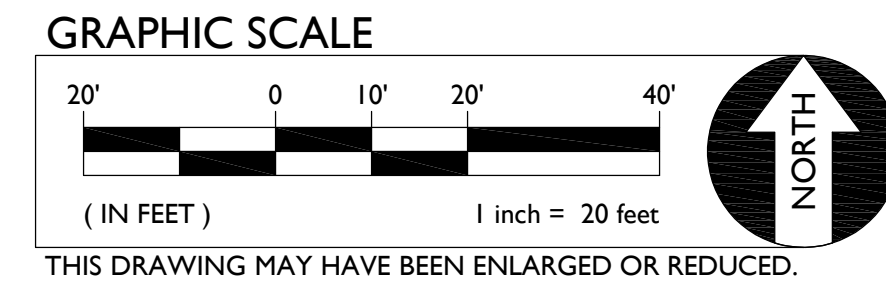
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MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

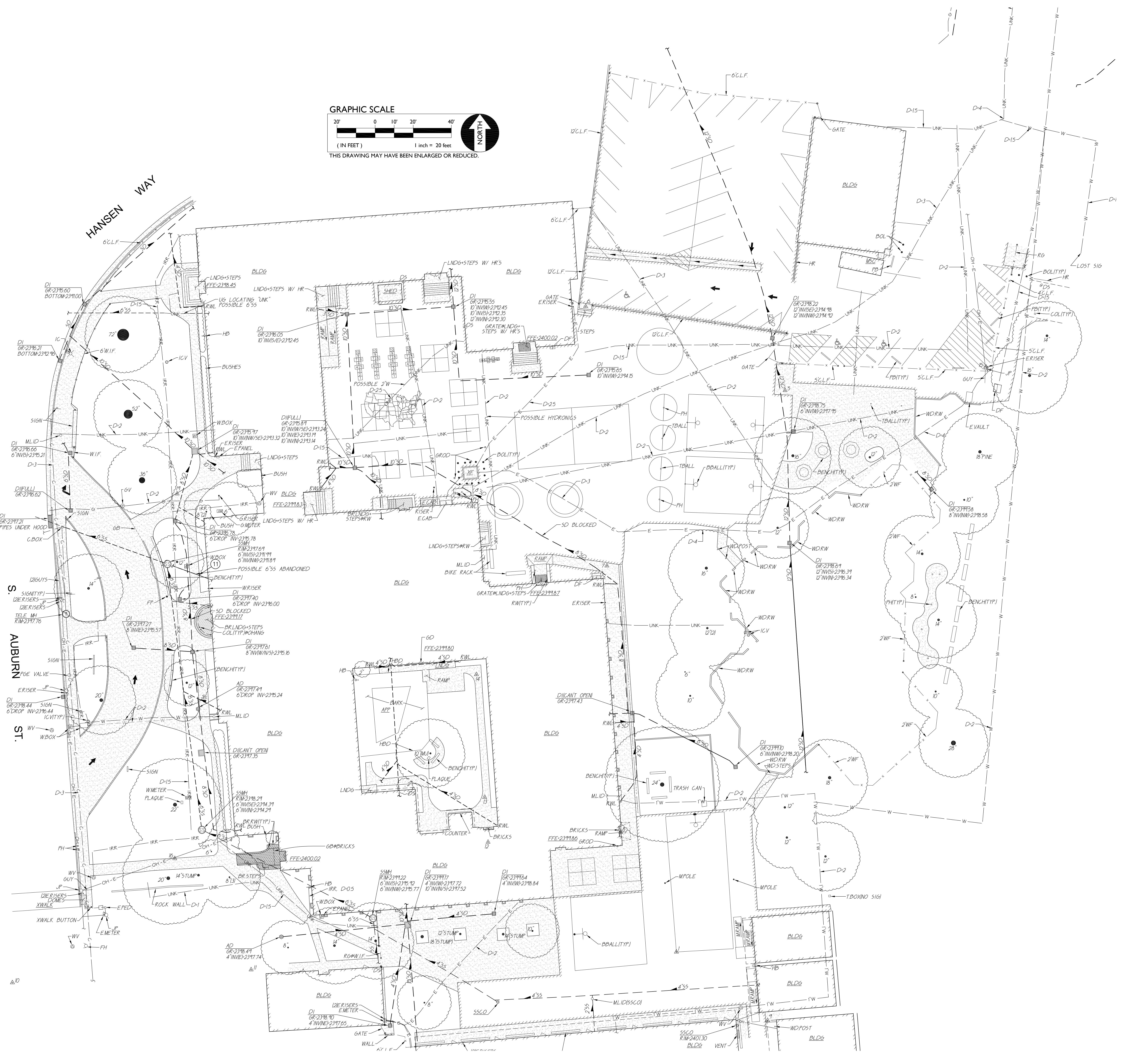
SHEET
**UTILITY
 SURVEY**

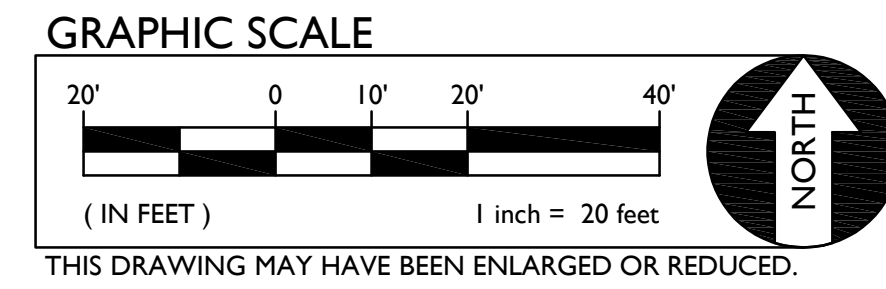
DATE **05/03/2019**
 JOB # **2018044**
 SHEET # **C0.3**



EXISTING UTILITIES

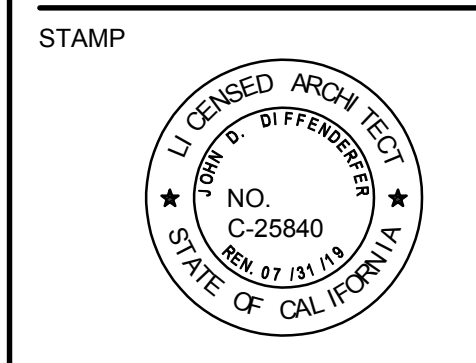
- 12"SD — = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
- - - 12"SD - - - = STORM DRAIN LINE (RECORD INFORMATION)
- - - 12"SD - - - = STORM DRAIN LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- ⊙ = AREA DRAIN
- R/W = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS — = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- - - 12"SS - - - = SANITARY SEWER LINE (RECORD INFORMATION)
- - - 12"SS - - - = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- ⊙ = SANITARY SEWER CLEANOUT
- W — = WATER LINE (SIZE INDICATED)
- - - W - - - = WATER LINE (RECORD INFORMATION)
- - - W - - - = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = 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)
- ⊙ = 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



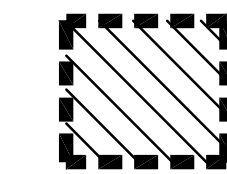


- DEMOLITION NOTES**
1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
 2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT, STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT EDGE UNTIL NEW PAVING IS PLACED.
 3. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS AND ASSOCIATED FOOTINGS TO EXTENT SHOWN.
 4. REMOVE AND DISPOSE OF EXISTING WOOD HEADER AT APPARATUS YARD.
 5. REMOVE AND DISPOSE OF EXISTING CONCRETE PARKING BUMPER.
 6. REMOVE AND DISPOSE OF EXISTING DROP INLET.
 7. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE TO EXTENT SHOWN.
 8. CAP END OF PIPE.
 9. ABANDON EXISTING SEWER PIPE IN PLACE.
 10. REMOVE AND DISPOSE OF EXISTING SEWER MANHOLE.
 11. REMOVE AND DISPOSE OF EXISTING SEWER PIPE TO EXTENT SHOWN.
 12. REMOVE AND DISPOSE OF EXISTING BACKFLOW ASSEMBLY AND ASSOCIATED VAULT.
 13. REMOVE AND DISPOSE OF EXISTING DOMESTIC WATER PIPE TO EXTENT SHOWN.
 14. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
 15. REMOVE AND DISPOSE OF EXISTING CONCRETE VALLEY GUTTER TO EXTENT SHOWN.
 16. EXISTING BASKETBALL HOOP TO REMAIN.
 17. EXISTING TREE TO REMAIN.
 18. REMOVE AND SALVAGE EXISTING GATE, REINSTALL AFTER NEW WORK HAS BEEN COMPLETED.
 19. REMOVE AND DISPOSE OF EXISTING PLAY APPARATUS, FOOTINGS AND BARK IN ITS ENTIRETY.
 20. REMOVE AND DISPOSE OF EXISTING TREE, STUMP AND ASSOCIATED ROOTS.
 21. REMOVE AND DISPOSE OF EXISTING RETAINING WALL AND ASSOCIATED FOOTINGS.
 22. REMOVE AND RELOCATE EXISTING BIKE RACK.





SUBGRADE PREPARATION



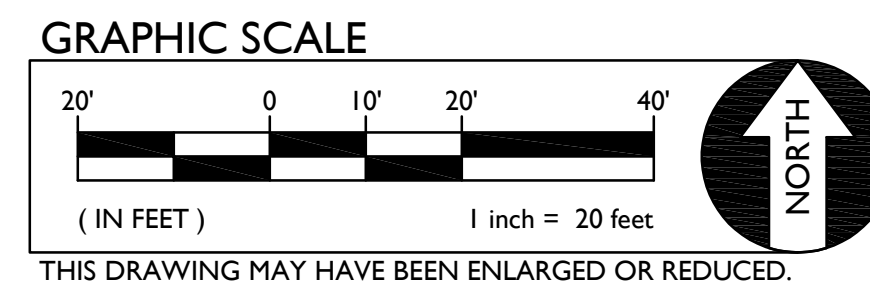
1. FOLLOWING SITE CLEARING ACTIVITIES, THE EXPOSED SURFACE SOILS, INCLUDING SURFACES TO RECEIVE FILL, ACHIEVED BY EXCAVATION OR TO REMAIN AT GRADE, SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 12 INCHES, THOROUGHLY MOISTURE CONDITIONED TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION. RELATIVE COMPACTION SHALL BE BASED ON THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH THE ASTM D1557. SUBGRADE PREPARATION OPERATIONS SHALL EXTEND AT LEAST 2 FEET BEYOND THE LIMITS OF PAVING WHEN NOT ABUTTING EXISTING PAVING OR BUILDING AND 5 FEET BEYOND THE EDGE OF PERIMETER FOUNDATIONS.

ENGINEERED FILL CONSISTING OF NATIVE OR IMPORT MATERIALS SHALL BE PLACED IN LIFTS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS, WITH EACH LIFT BEING THOROUGHLY MOISTURE CONDITIONED TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND UNIFORMLY COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION.

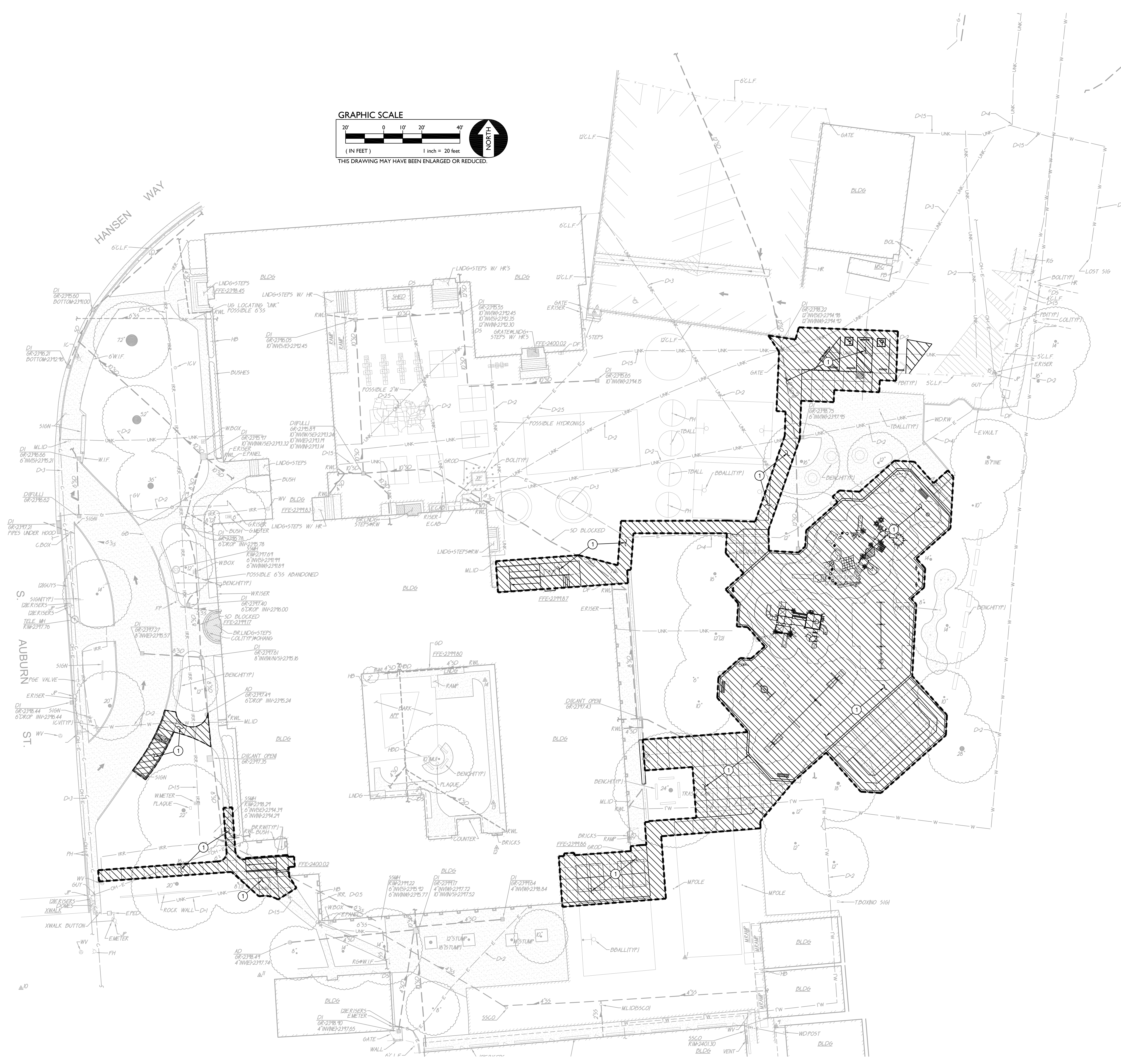
THE UPPER 8 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE UNIFORMLY COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AT A MOISTURE CONTENT OF AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT, REGARDLESS OF WHETHER FINAL GRADE IS ESTABLISHED BY EXCAVATION, ENGINEERED FILL OR LEFT AT GRADE.

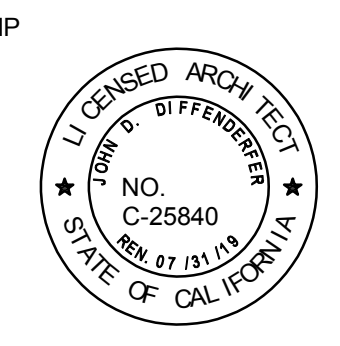
GENERAL NOTES

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 SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN 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.



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.





GENERAL NOTE

- WHEN TRENCHING THROUGH EXISTING CONCRETE PAVING FOR REMOVAL OR INSTALLATION OF NEW UTILITIES, SAWCUT SHALL BE MADE TO NEAREST JOINT. REPLACE PER DETAIL 1/C6.1. CONCRETE THICKNESS WITHIN VEHICULAR TRAFFIC AREAS SHALL BE 6" THICK.

DRAINAGE NOTES

- CONSTRUCT DROP INLET PER (5) C6.1
- NOT USED.
- PLACE 6" STORM DRAIN PER (4) C6.1
- PLACE 12" STORM DRAIN PER (6) C6.1
- CONSTRUCT STORM DRAIN CLEANOUT PER (6) C6.1
- CONNECT TO EXISTING STORM DRAIN, FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING.

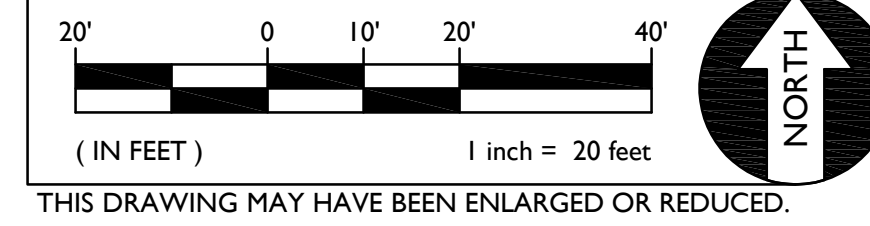
SEWER NOTES

- PLACE 6" SEWER PER (4) C6.1
- CONSTRUCT SEWER MANHOLE PER (8) C6.1
- CONSTRUCT SEWER CLEANOUT PER (6) C6.1
- CONNECT TO EXISTING BUILDING SEWER SERVICE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- CONNECT TO EXISTING SEWER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

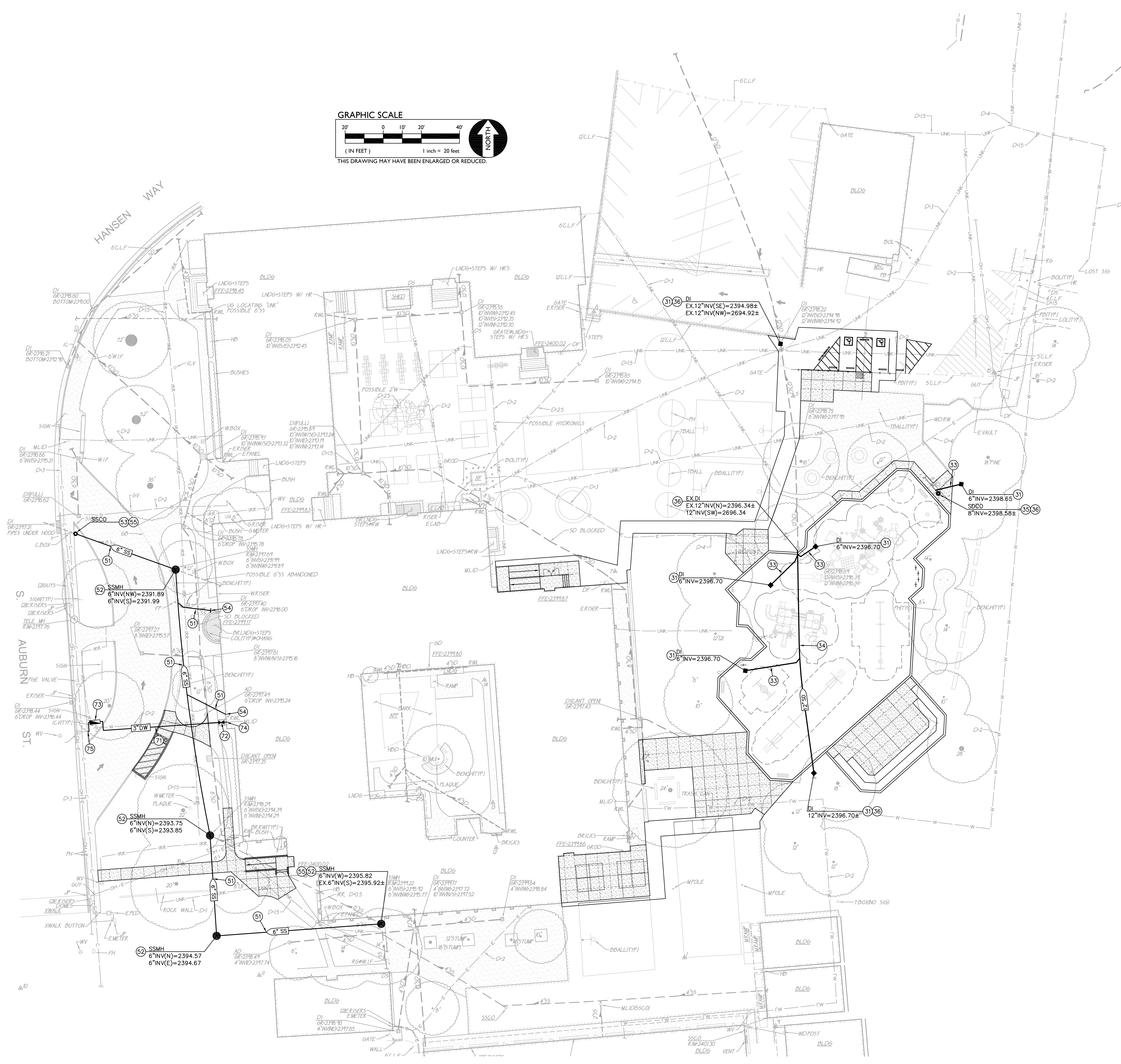
DOMESTIC WATER NOTES

- PLACE 3" DOMESTIC WATER PIPE PER (7) C6.1
- INSTALL GATE VALVE AND VALVE BOX. SIZE TO MATCH PIPE. (9) C6.1
- PLACE 3" WILKINS 375ADA REDUCED PRESSURE BACKFLOW ASSEMBLY WITH A FREEZE PROTECTION BLANKET.
- CONNECT TO EXISTING BUILDING WATER SERVICE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- CONNECT TO EXISTING DOMESTIC WATER PIPE. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

GRAPHIC SCALE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



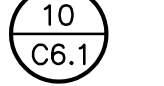
PAVING GENERAL NOTES:

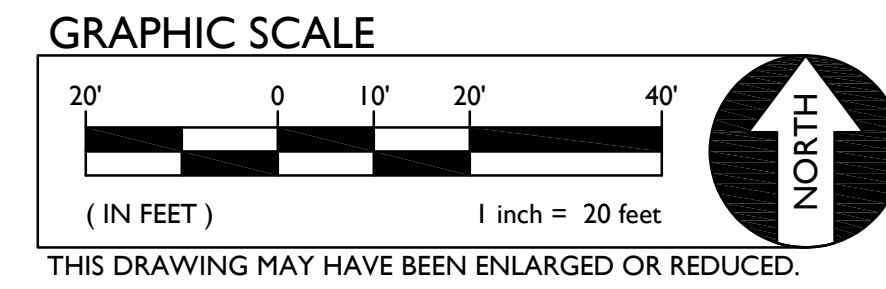
1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS SPECIFICATION SECTION 39, AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE. REFERENCE CALTRANS SPECIFICATION SECTION 26 AND PROJECT SPECIFICATIONS.
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 CALTRANS SPECIFICATIONS FOR CLASS II AB, REFERENCE CALTRANS SPECIFICATION SECTION 26-1.02A.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, LIME/CEMENT TREATMENT, 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. PROVIDE SOD AT AREAS WHERE EXISTING TURF HAS BEEN DAMAGED AND DECOMPOSED GRANITE AT TRACK SURFACES DISTURBED BY CONSTRUCTION ACTIVITIES.
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.

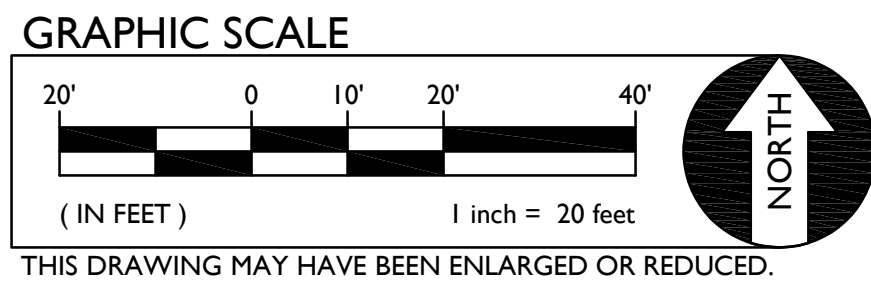
PAVING LEGEND

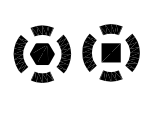



- ① **TYPE 1 PAVING.**
 PLACE 3" AC OVER 12" COMPACTED CLASS II AB ON SUBGRADE COMPACTED PER PLANS AND SPECIFICATIONS.
- ② **TYPE 2 PAVING.**
 PLACE 3" AC OVER 4" COMPACTED CLASS II AB ON SUBGRADE COMPACTED PER PLANS AND SPECIFICATIONS.
- ③ **TYPE 3 PAVING.**
 PLACE 4" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 4" AB ON SUBGRADE COMPACTED PER PLANS AND SPECIFICATIONS.
- ④ **TYPE 4 PAVING.**
 APPARATUS PLAY YARD SURFACING.
 SYNTHETIC GRASS WAREHOUSE, DIAMOND PRO FESCUE WITH 2.5LBS OF DURAFILL INFILL PER SQUARE FOOT OF TURF.
 OVER
 POLYGREEN FOAM GREENFOAM
 2" PLAYGROUND PAD - PLANNED ON ONE SIDE
 OVER
 4" LAYER OF CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION. PLACE ON SUBGRADE COMPACTED TO 95 PERCENT.

STRIPING NOTES

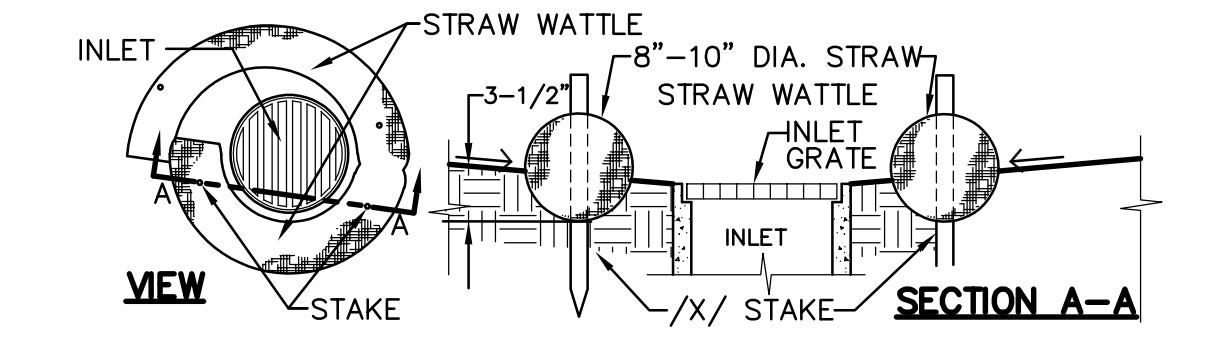
11. PLACE FOURSQUARE COURT STRIPING PER  10/06.1
12. PLACE 2" WIDE WHITE STRIPE LINE TO MATCH EXISTING BASKETBALL COURT STRIPING.



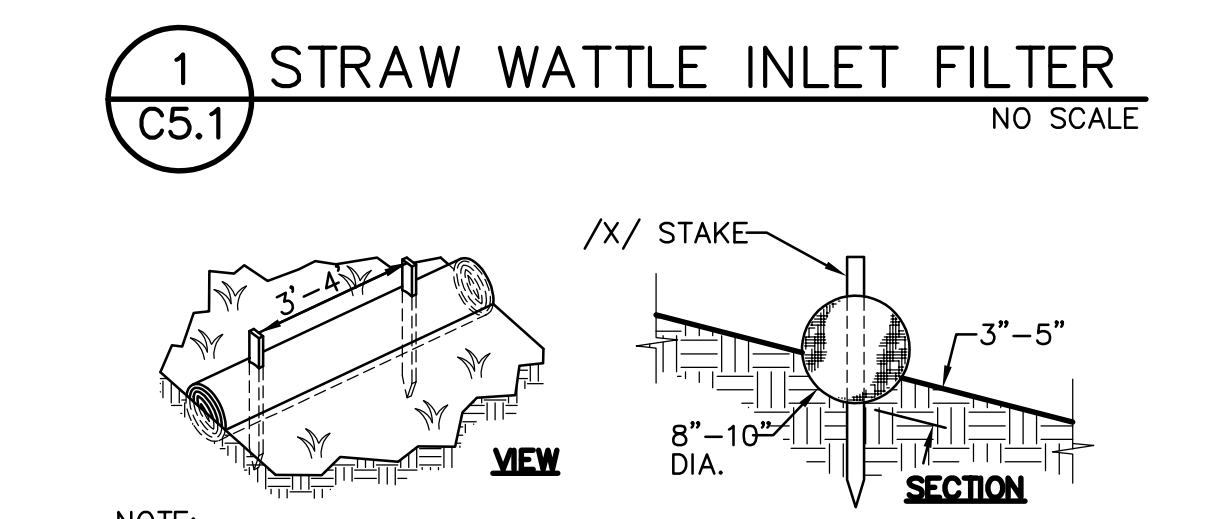


- LEGEND**
-  **EROSION CONTROL NOTES**
 NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR.
 -  1 C5.1
 -  2 C5.1
 -  3 C5.1

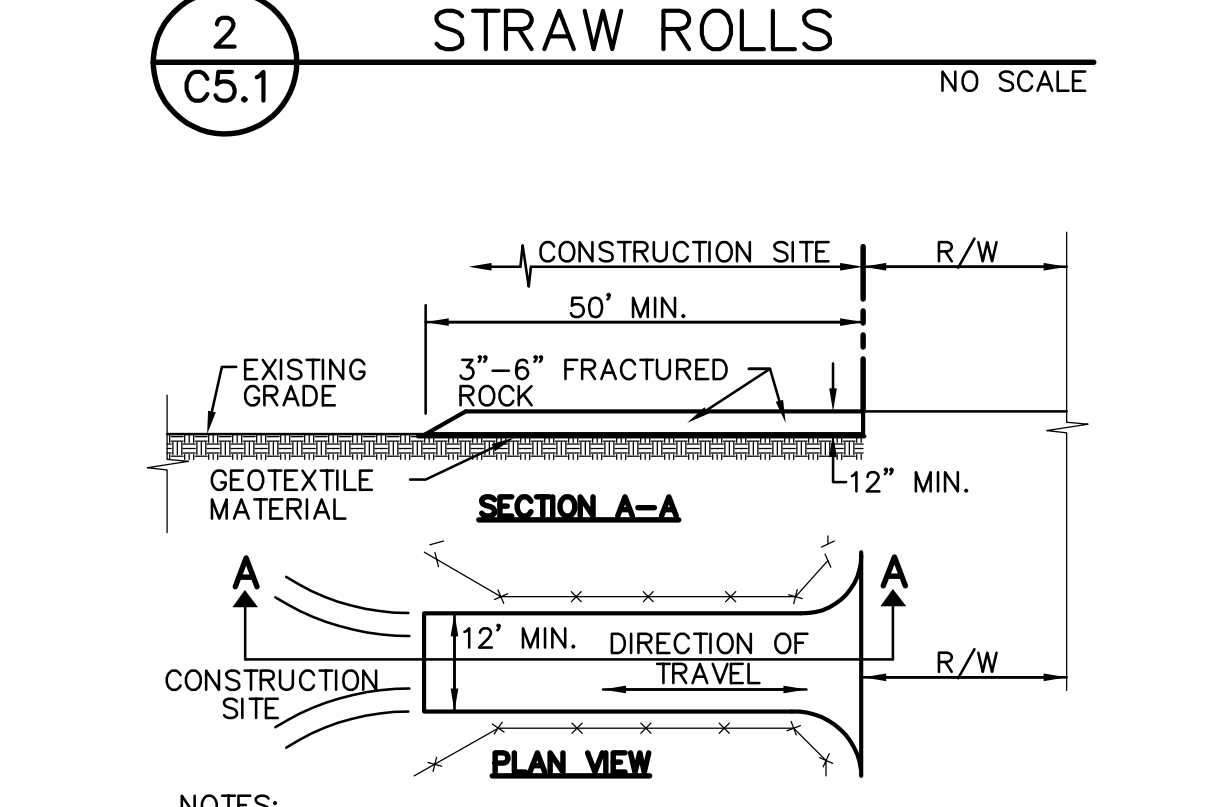
- EROSION AND SEDIMENT CONTROL GENERAL NOTES**
- IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
 - CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS. ONLY CLEAR WATER IS TO BE DISCHARGED INTO THE EXISTING DRAINAGE SYSTEM. IF PUMPING IS NECESSARY, FILTERS WILL BE REQUIRED TO ENSURE THAT ONLY CLEAR WATER IS DISCHARGED FROM THE SITE. THE CONTRACTOR SHALL VERIFY THE DISCHARGE POINT WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL VERIFY THAT THE POINT OF DISCHARGE CAN HANDLE THE VELOCITY AND QUANTITY OF FLOW.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
 - PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
 - CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
 - ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
 - 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 FOR ADDITIONAL REQUIREMENTS.
 - CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER CHILDREN AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTENT. 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.
 - CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED THROUGH THE SCHOOL AND ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
 - ALL DISTURBED AREAS NOT BEING PAVED/LANDSCAPED, SHALL BE HYDROSEDED.
 - EROSION CONTROL MEASURES TO BE PLACED ON ALL EXPOSED AREAS DISTURBED BY CONSTRUCTION PRIOR TO ANY RAIN EVENT, I.E. BLANKETS, SOIL STABILIZERS, ETC.



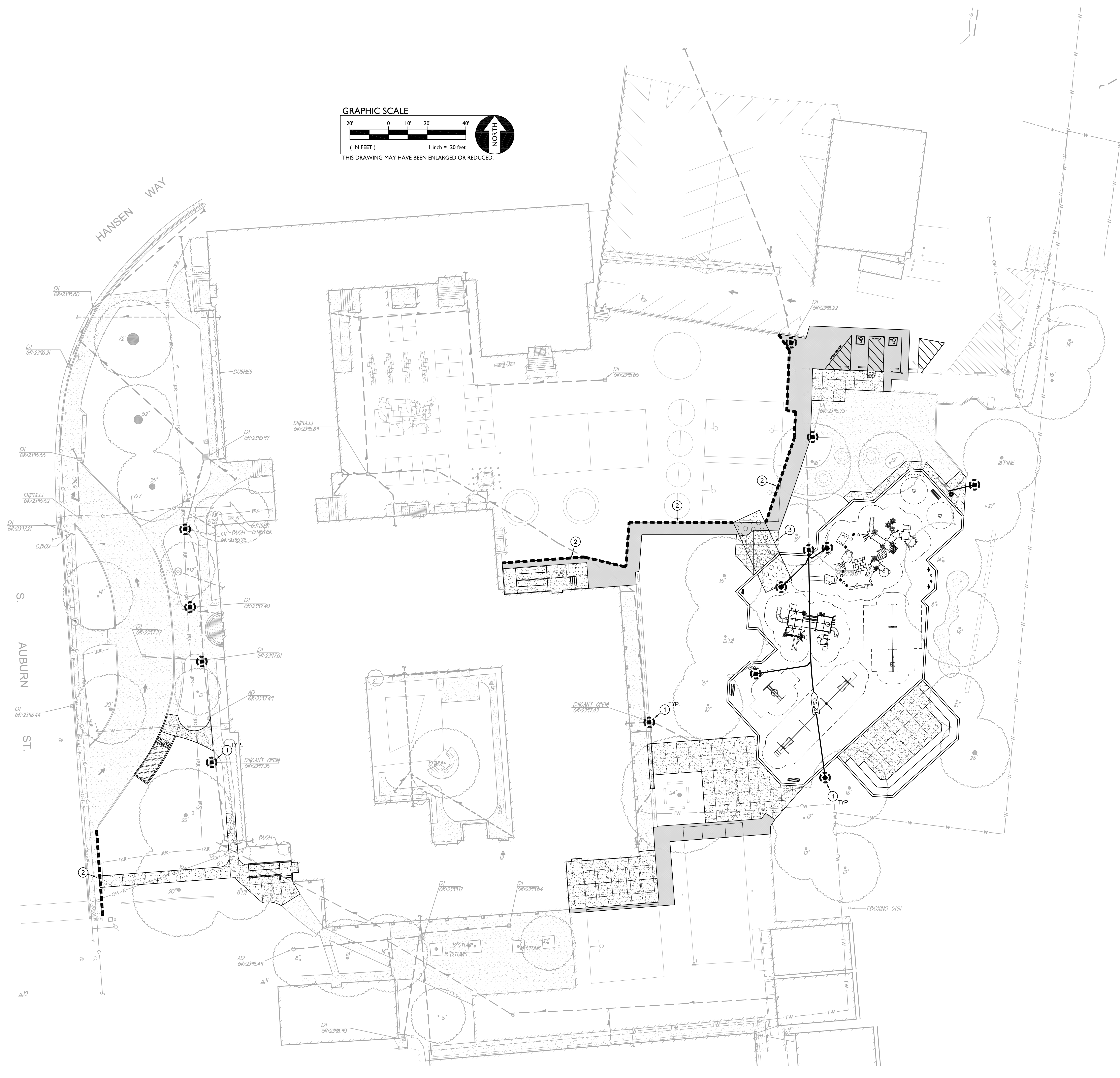
NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

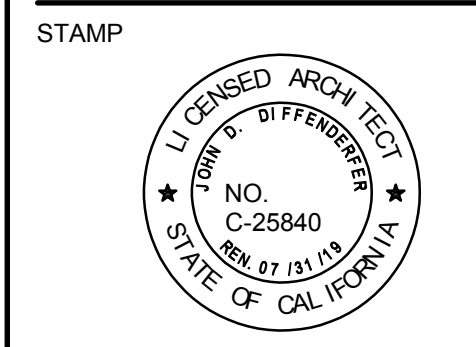


NOTE: STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.



- NOTES:**
- 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.
 - 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.
 - THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

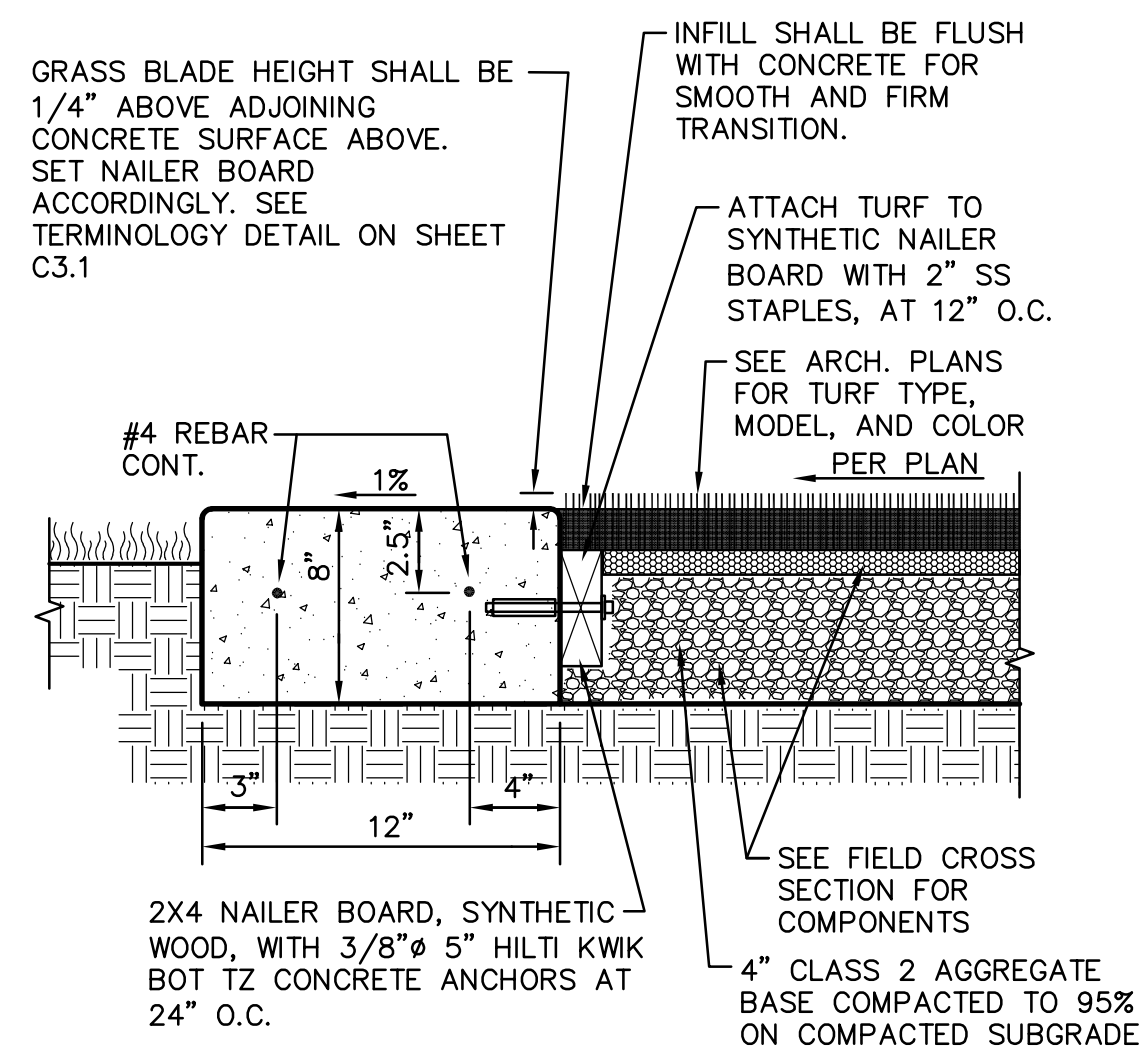




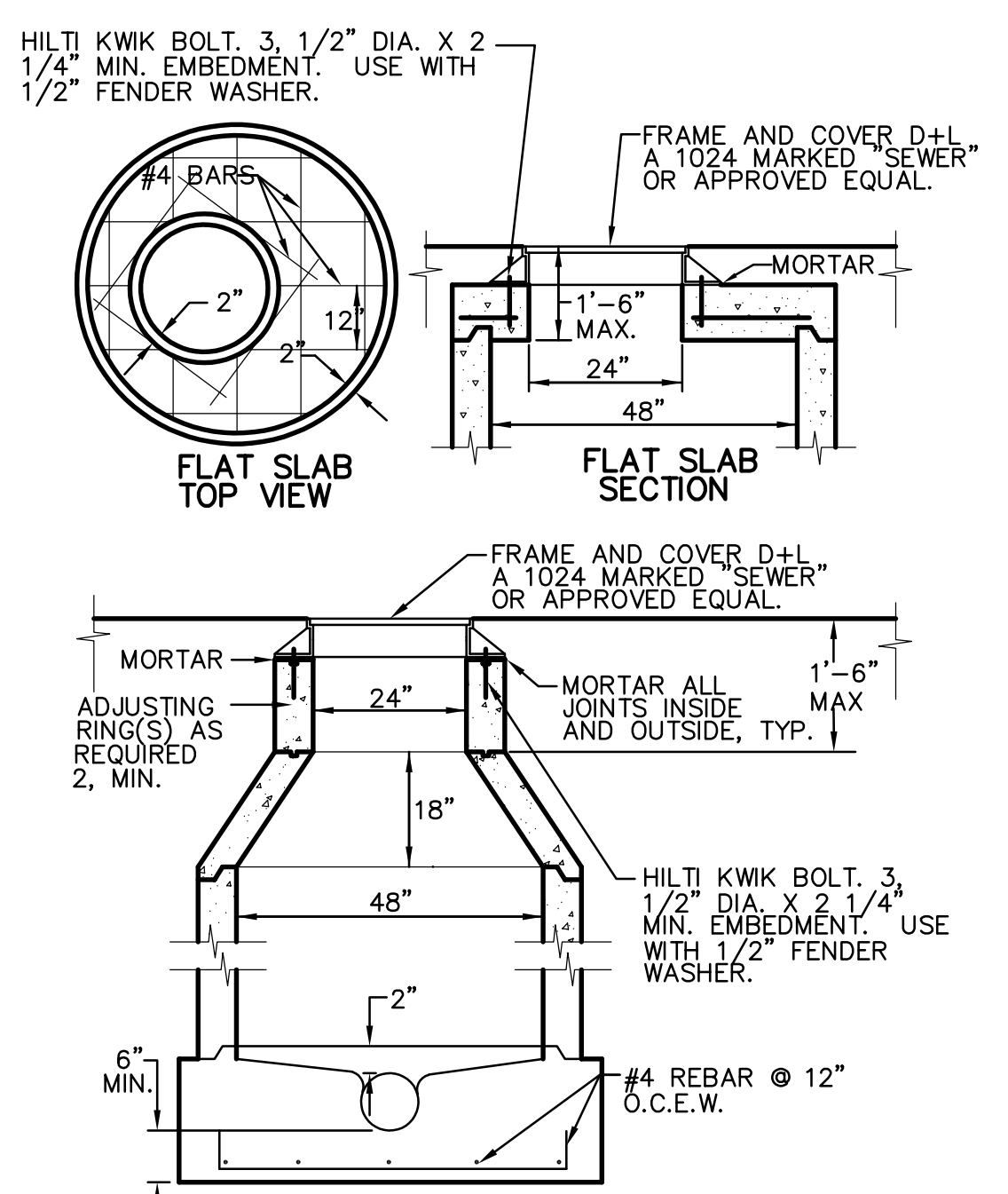
No.	Description	Date

MILESTONES	Date
SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

DETAILS AND SECTIONS

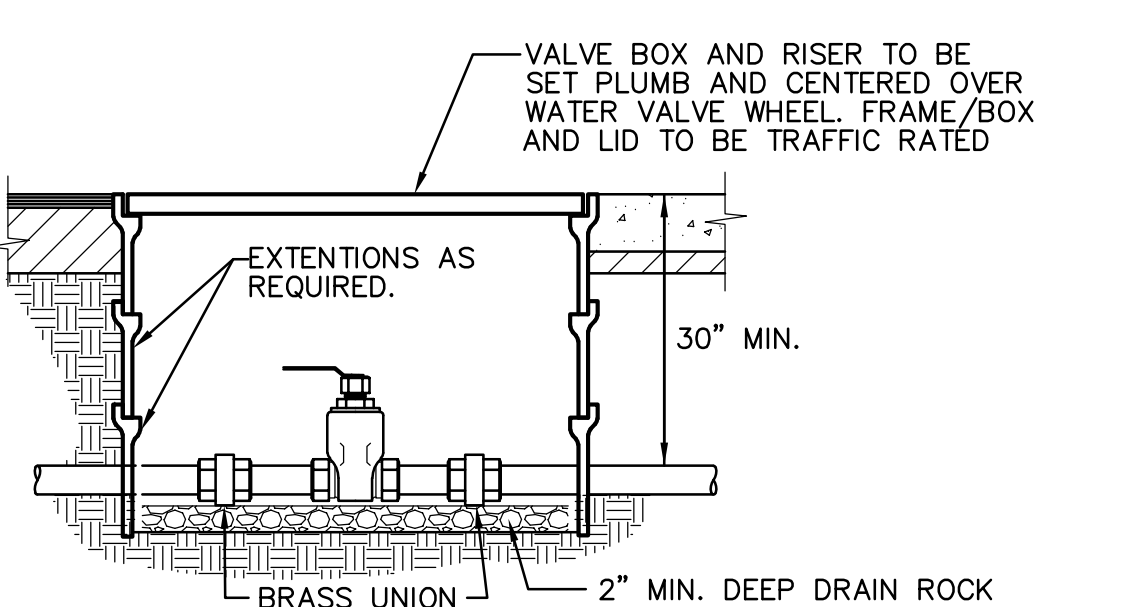


11 SYNTHETIC TURF CURB
 NO SCALE

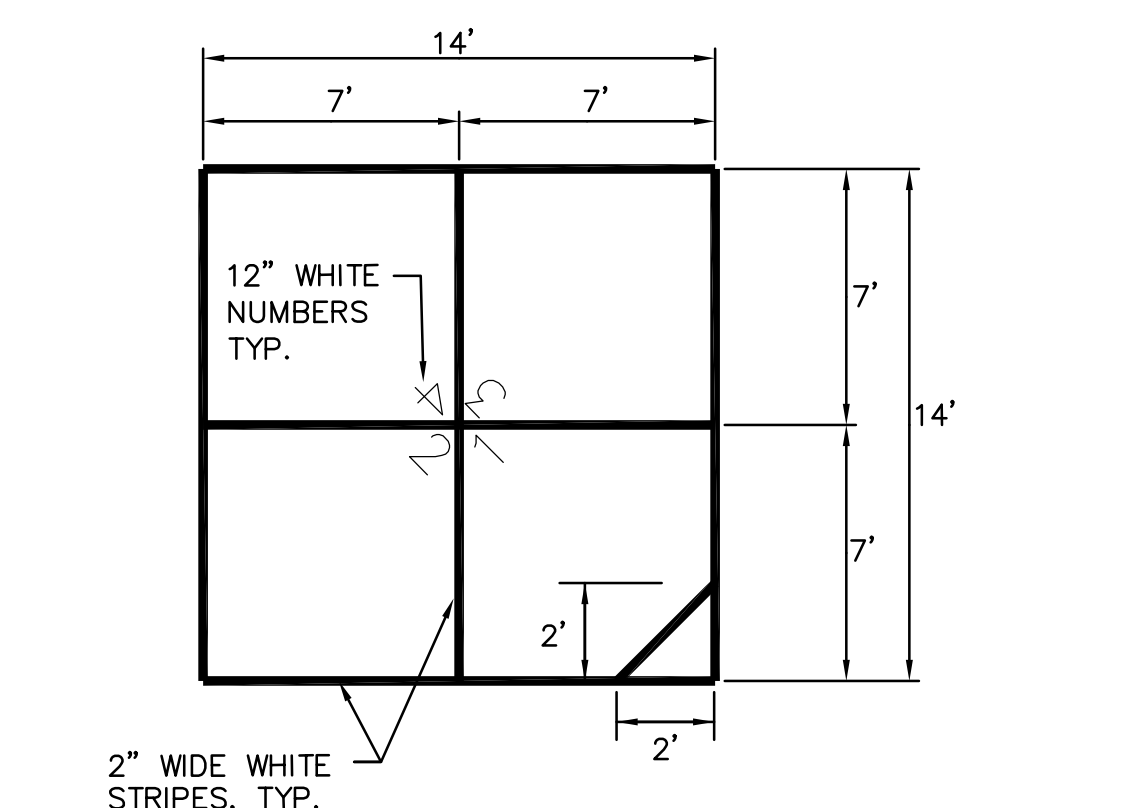


- NOTES:
1. RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
 2. FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
 3. CONCRETE BASE MAY BE CAST-IN-PLACE AND POURED AGAINST UNDISTURBED MATERIAL OR PRE-CAST CONCRETE BASE ON 4" MIN. 3/4" CRUSHED ROCK PLACED ON UNDISTURBED MATERIAL.
 4. ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
 5. FLEXIBLE CONNECTORS SHALL BE INSTALLED ON BOTH INFLOW AND OUTFLOW PIPES PER CA. PLUMBING CODE 719.6.
 6. FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT SLAB SHALL BE TRAFFIC RATED.

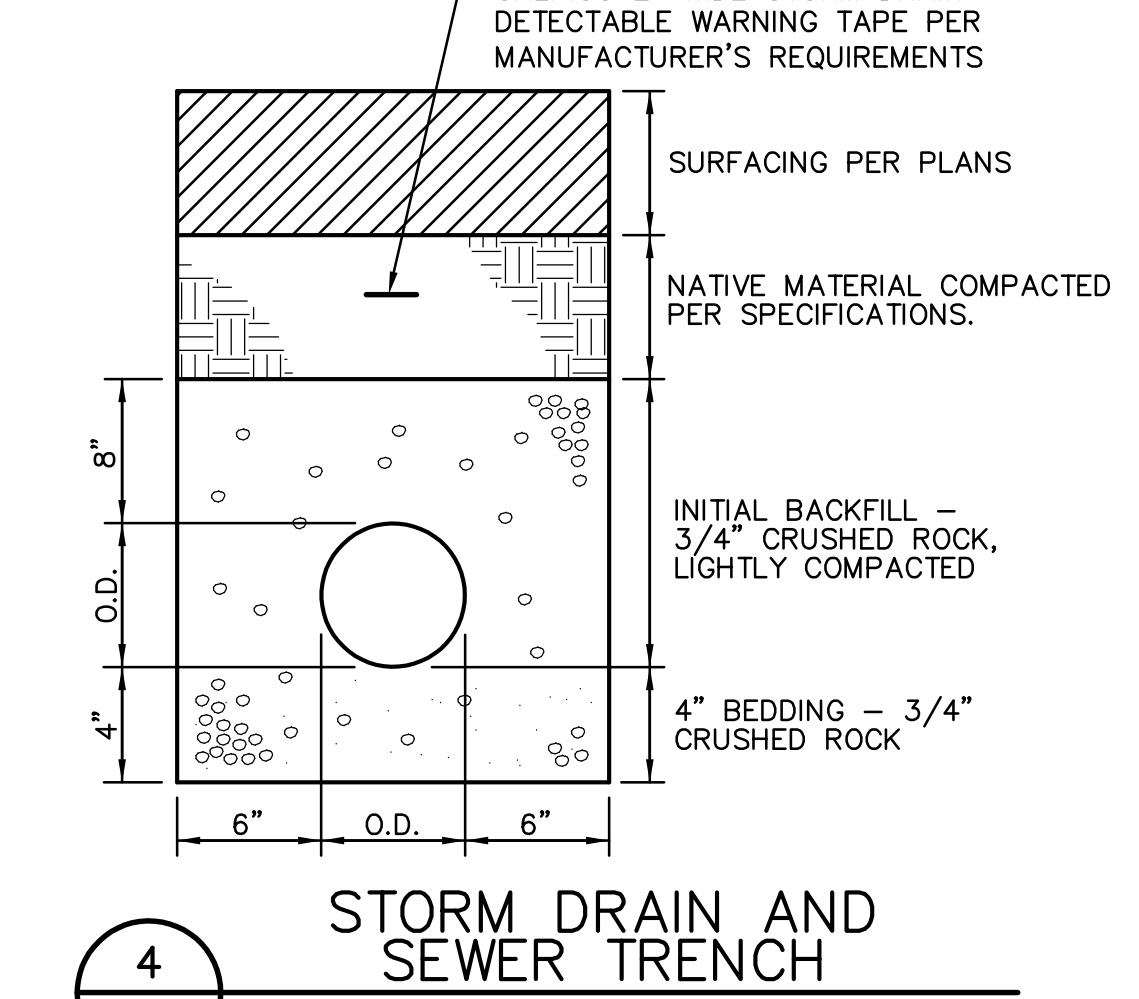
8 SANITARY SEWER MANHOLE
 NO SCALE



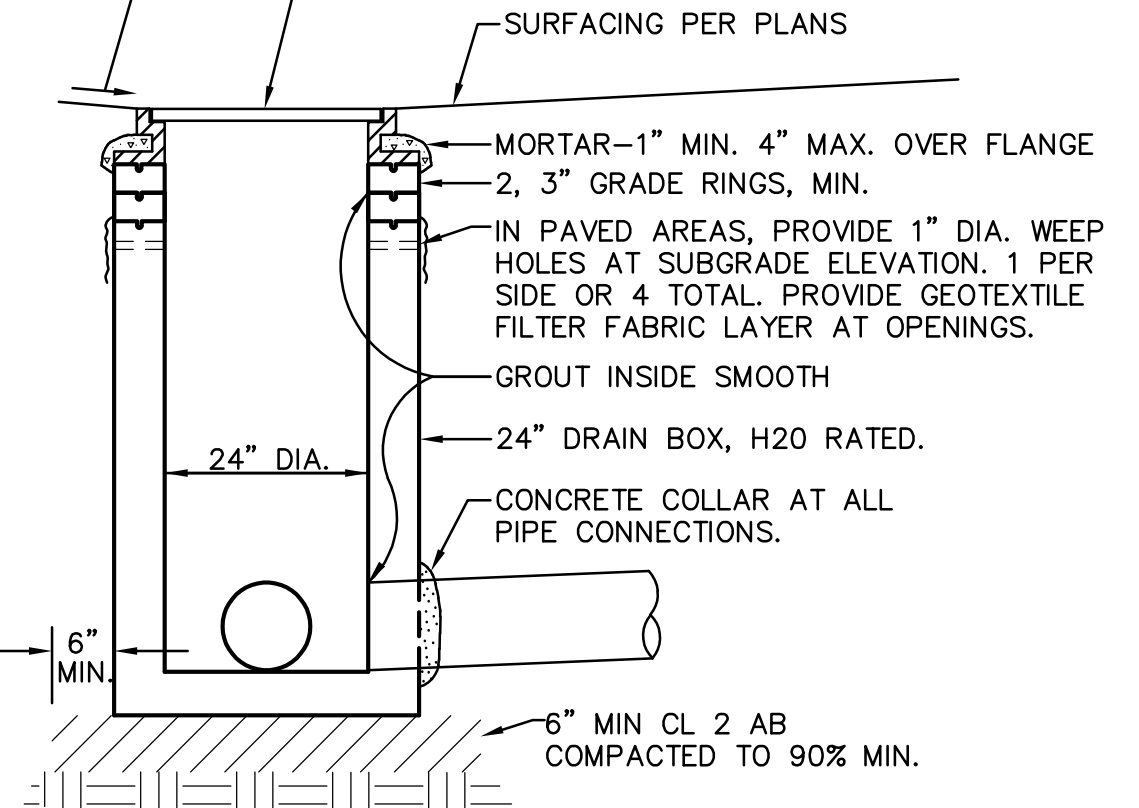
9 WATER VALVE
 1/2" TO 3" PIPE
 NO SCALE



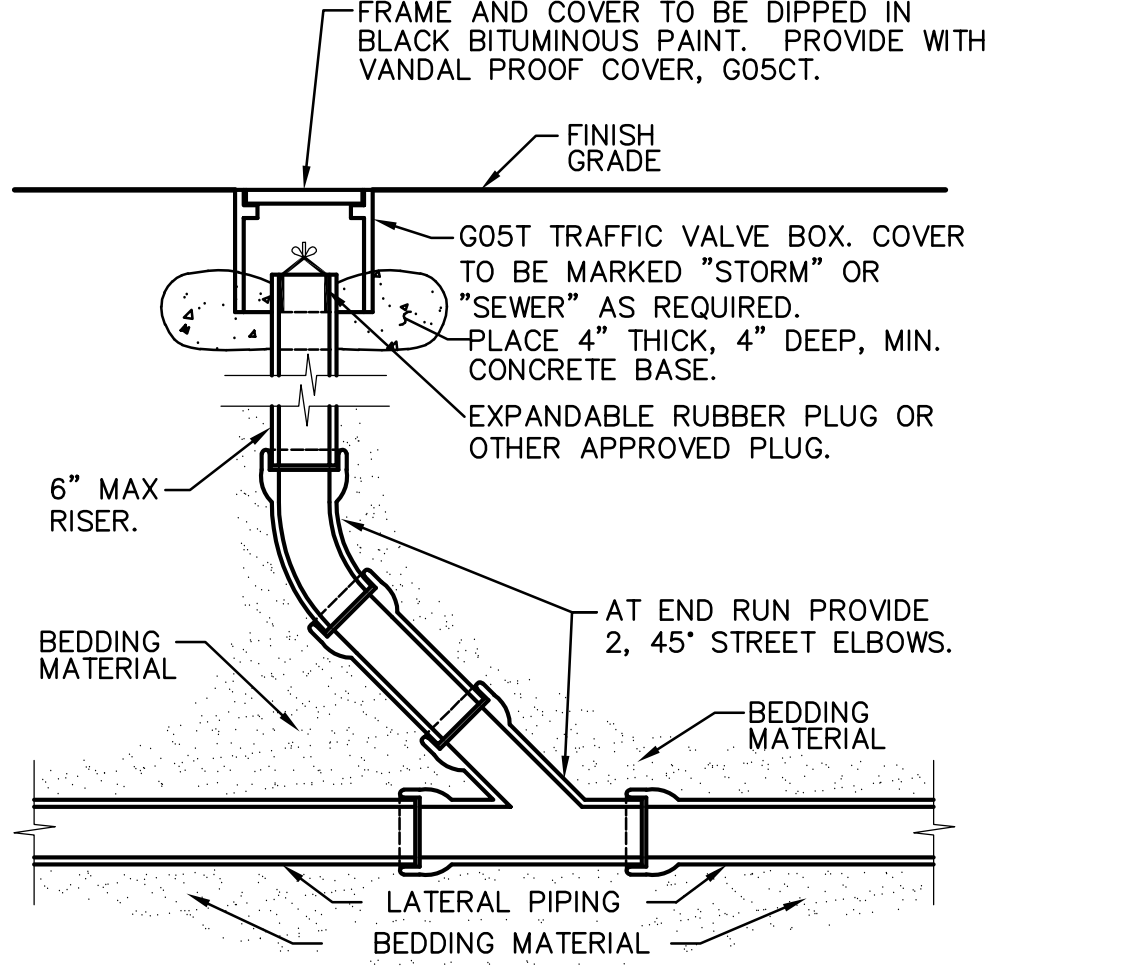
10 FOUR SQUARE STRIPING
 NO SCALE



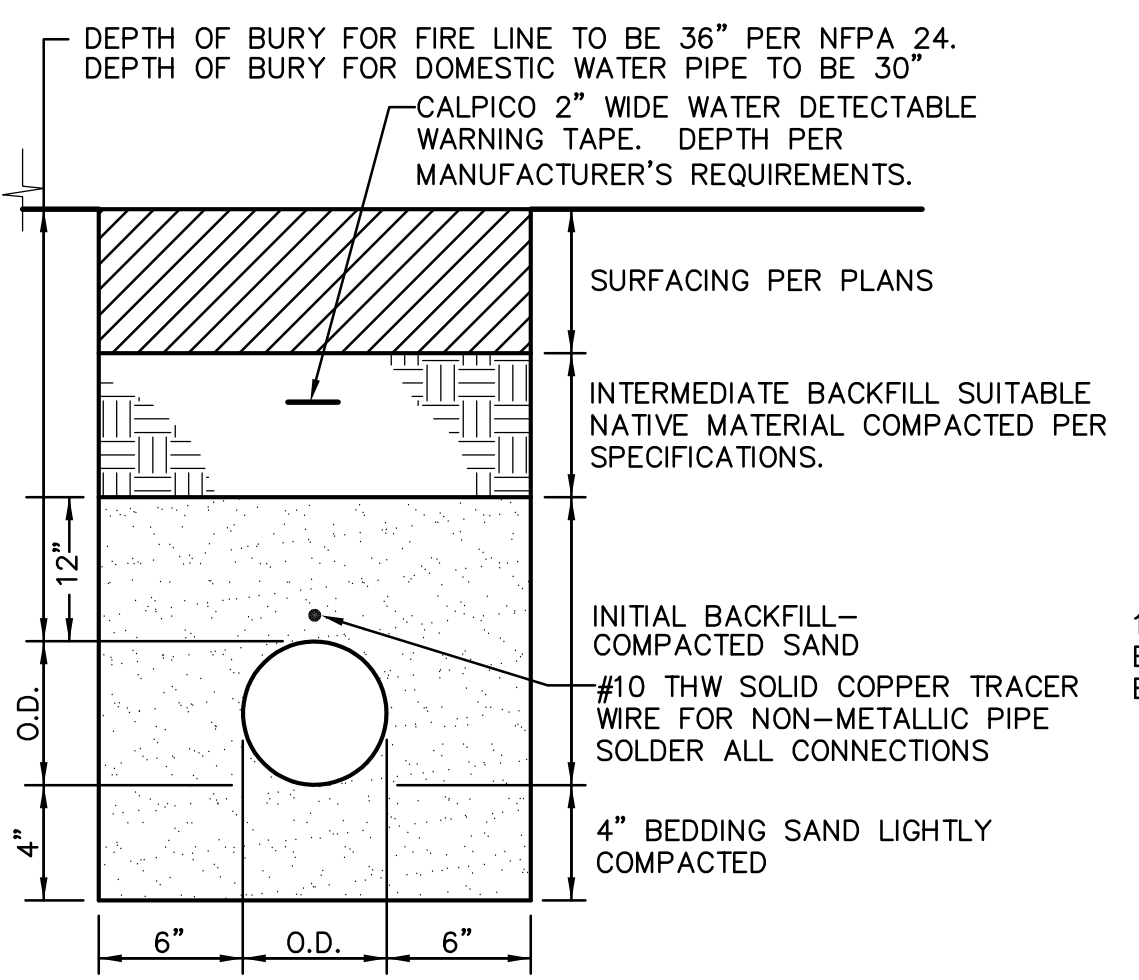
4 STORM DRAIN AND SEWER TRENCH
 NO SCALE



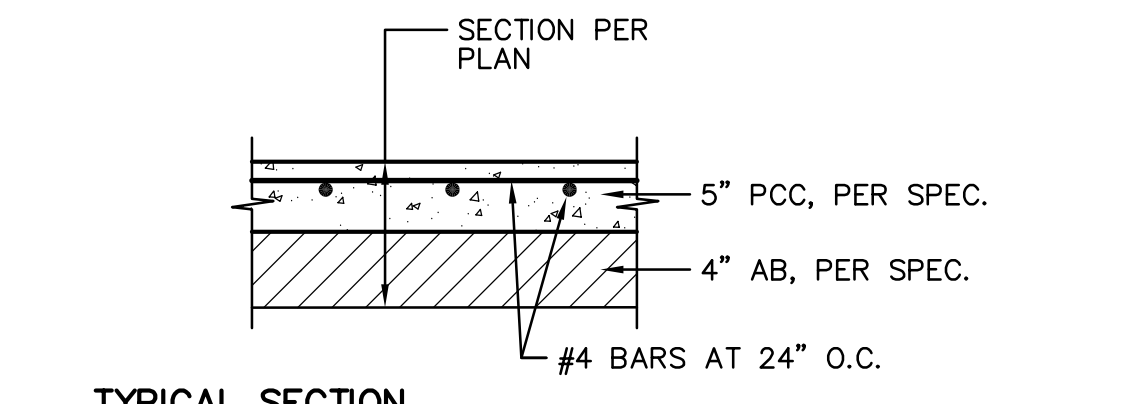
5 DROP INLET
 NO SCALE



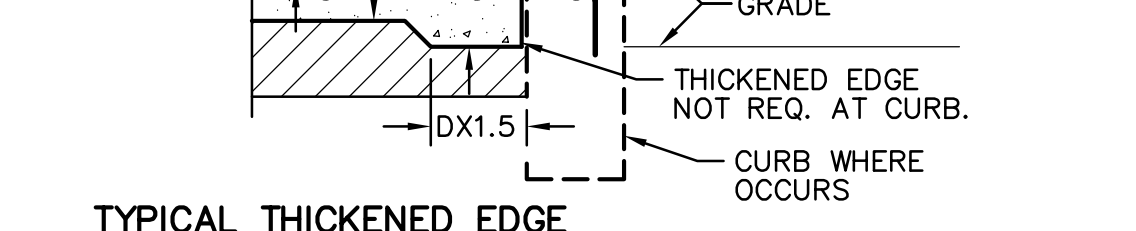
6 CLEANOUT
 NO SCALE



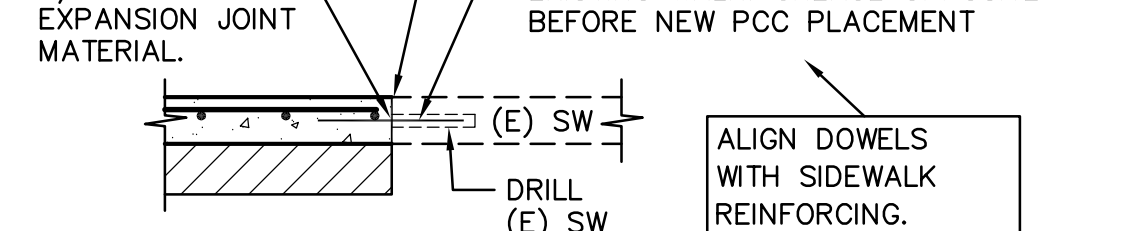
7 WATER TRENCH
 NO SCALE



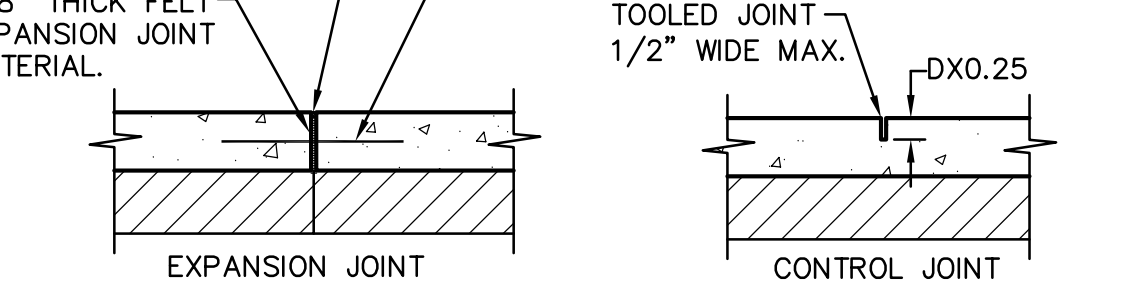
TYPICAL SECTION



TYPICAL THICKENED EDGE



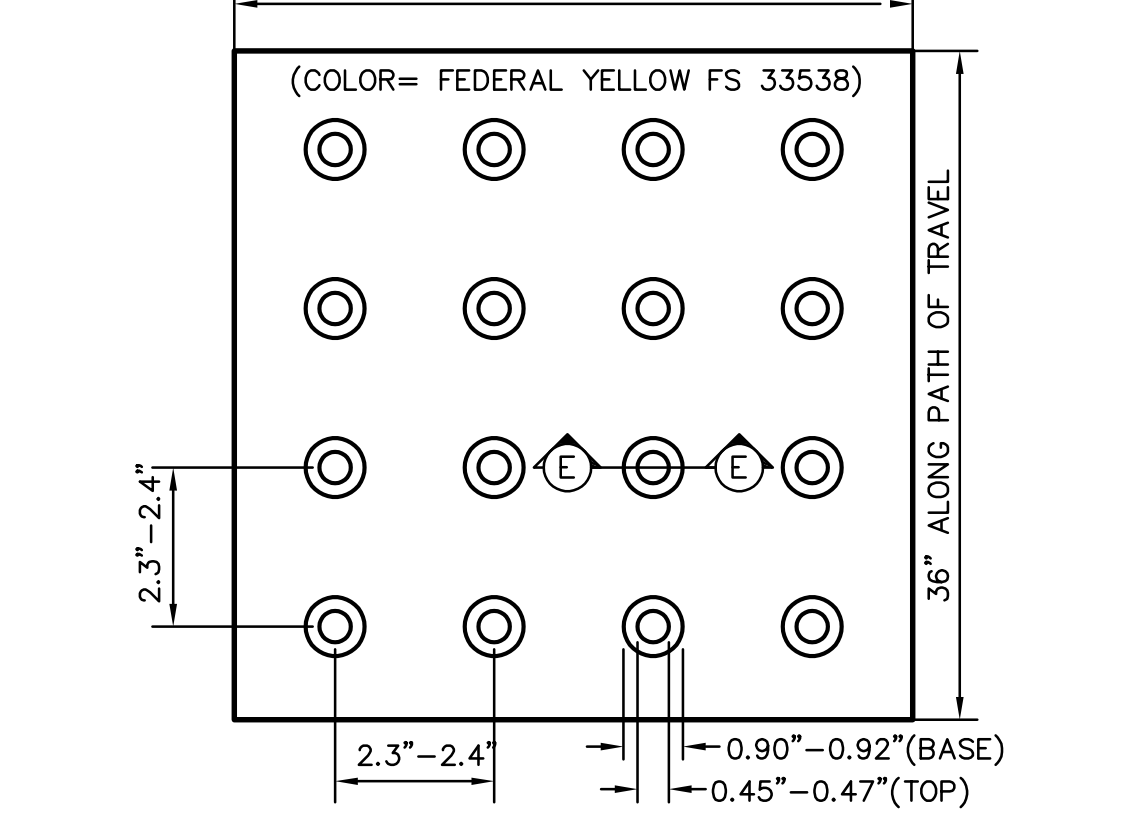
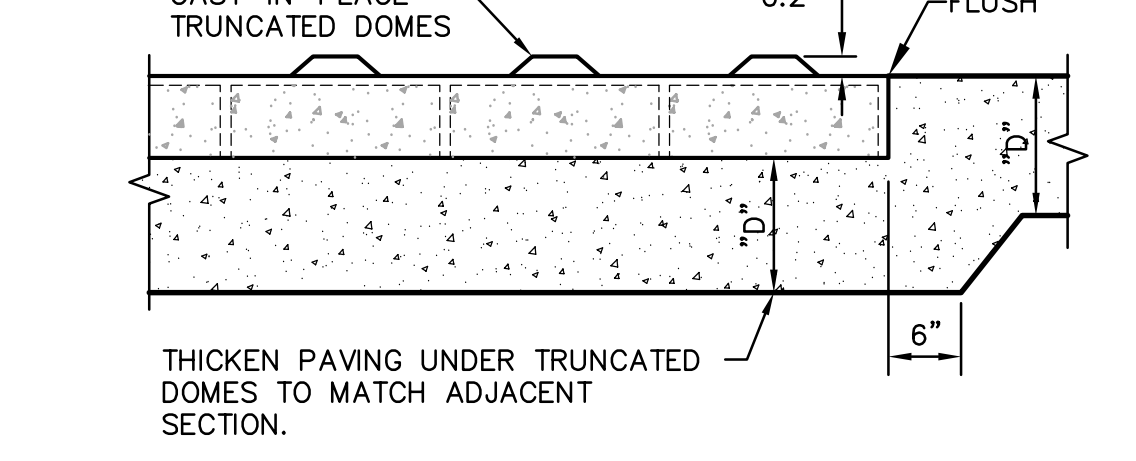
CONNECTION TO (E) CONCRETE



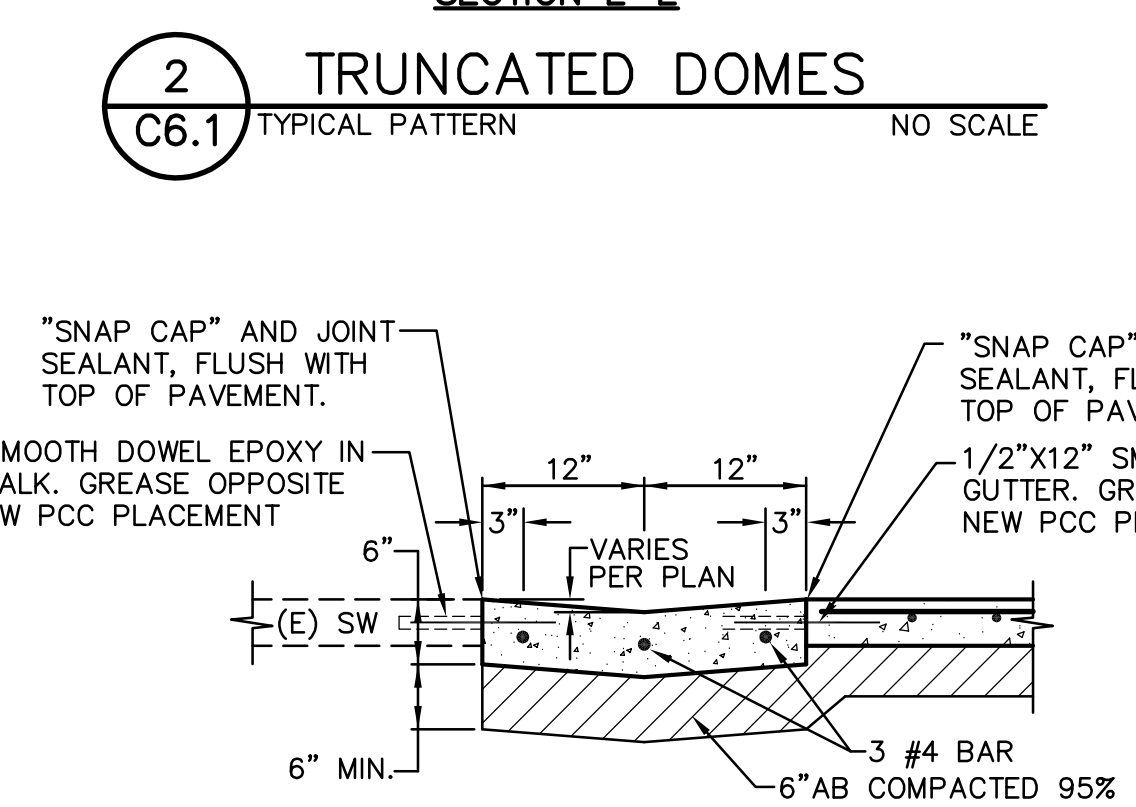
TYPICAL JOINTS

- NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 18 FEET O.C. MIN.
 2. PROVIDE CONTROL JOINTS AT 6 FEET O.C. MIN.
 3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 CONCRETE SIDEWALK
 NO SCALE

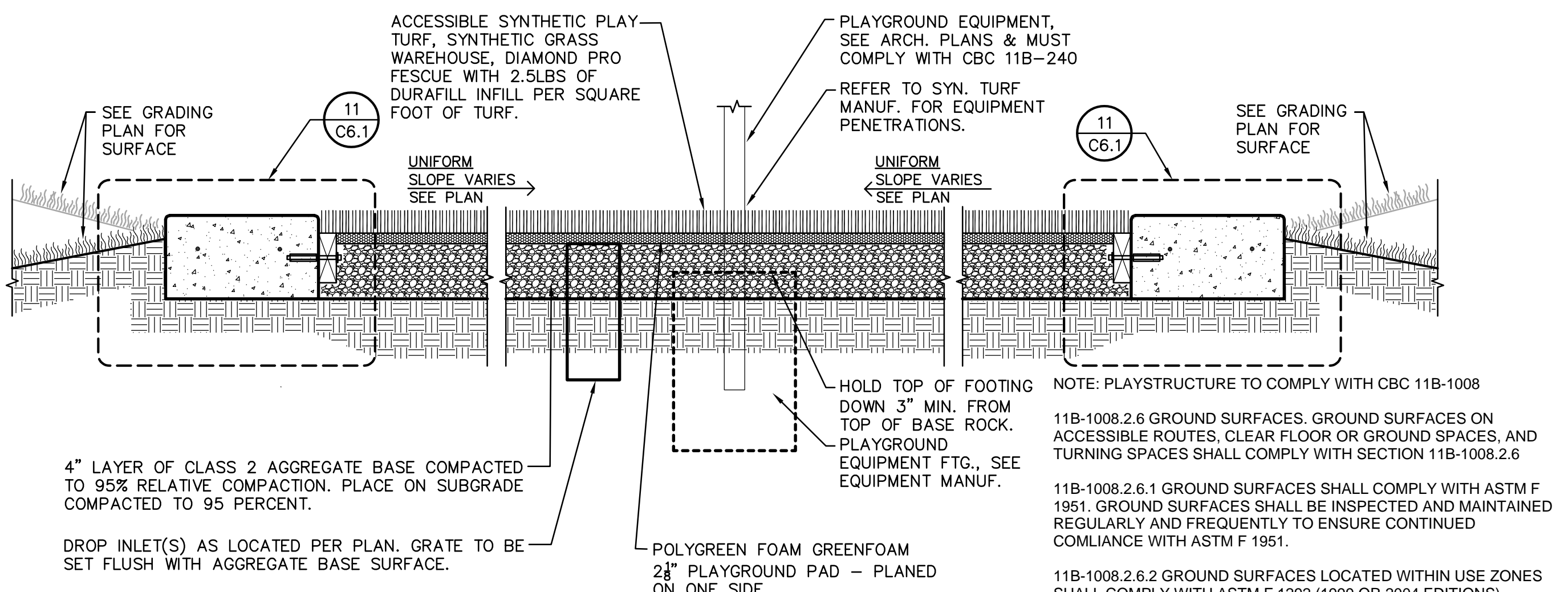


2 TRUNCATED DOMES
 TYPICAL PATTERN
 NO SCALE



- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 18 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 6 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 CONCRETE VALLEY GUTTER
 NO SCALE



A SYNTHETIC TURF CROSS SECTION
 NO SCALE

EQUIPMENT SCHEDULE					
SYMBOL	MAKE	NUMBER	DESCRIPTION/TRIM	SUPPORT	NOTES
	STATE	DSE-20A	ELECTRIC WATER HEATER, 31-3/4" HI x 22" DIAMETER, 20 GALLON CAPACITY, 31 GPM RECOVERY AT 80° F. TEMP. RISE, RATED AT 6KW AT 208 VOLT, FED AT 208 VOLTS, 1 PHASE, WITH P & TRV. (OPERATING WT. = 312 LBS.)	FLOOR	-----
	CHRONOMITE	CM-40L/208	INSTANTANEOUS ELECTRIC WATER HEATER WITH 57° F. TEMPERATURE RISE AT 1 GPM FLOW RATE, DIGITAL MICROPROCESSOR, SET AT 110 DEGREES FAHRENHEIT, 8320 WATTS, 208 VOLT, 1 PHASE, 40 AMPS (5 LBS.)	WALL	-----

PLUMBING FIXTURE SCHEDULE					
SYMBOL	MAKE	NUMBER	DESCRIPTION/TRIM	SUPPORT	MATERIAL
WC-1	KOHLER SLOAN VALVE (MANUAL)	K-96053-SS WELLCOOME ROYAL 111-1.28	FLUSH VALVE WATER CLOSET WITH ELONGATED BOWL, TOP SPUD, 15-1/4" RIM HEIGHT. MANUAL LOW CONSUMPTION FLUSH VALVE (1.28 GPF), BENEKE 523SS OPEN FRONT WHITE SEAT. PROVIDE SUPPLIES AND STOPS.	FLOOR	VT. CHINA
WC-2 ACCESSIBLE	KOHLER SLOAN VALVE (MANUAL)	K-4405 HIGHLINE ROYAL 111-1.28	FLUSH VALVE WATER CLOSET WITH ELONGATED BOWL, TOP SPUD, 17-1/8" RIM HEIGHT. MANUAL LOW CONSUMPTION FLUSH VALVE (1.28 GPF), BENEKE 523SS OPEN FRONT WHITE SEAT. PROVIDE SUPPLIES AND STOPS. FLUSH VALVE LEVER ON WIDE SIDE OF STALL.	FLOOR	VT. CHINA
WC-3 ACCESSIBLE CHILD HEIGHT	KOHLER SLOAN VALVE (MANUAL)	K-96053-SS WELLCOOME ROYAL 111-1.28	FLUSH VALVE WATER CLOSET WITH ELONGATED BOWL, TOP SPUD, 15-1/4" RIM HEIGHT. MANUAL LOW CONSUMPTION FLUSH VALVE (1.28 GPF), BENEKE 523SS OPEN FRONT WHITE SEAT. PROVIDE SUPPLIES AND STOPS.	FLOOR	VT. CHINA
UR-1 ACCESSIBLE	KOHLER SLOAN VALVE (MANUAL)	K-4991-ET BARDON ROYAL 186-0.125	WASHOUT URINAL, 3/4" TOP SPUD, 2" THREADED OUTLET. SLOAN LOW CONSUMPTION (0.125 GPF) MANUAL FLUSH VALVE, SUPPLY AND STOP. PROVIDE COMMERCIAL CARRIER AND WALL CLEANOUT. MOUNTING HEIGHT PER ARCHITECTURAL PLANS.	WALL	VT. CHINA
L-1 ACCESSIBLE	KOHLER CHICAGO FAUCET (MANUAL)	K-2005 KINGSTON 857- E2505- 665PSHAB	LAVATORY, 21-1/4" X 18-1/2" X 4-3/8", 4" CENTERS, PROVIDE 327-XCP FLAT GRID STRAINER, P-TRAP, SUPPLIES AND STOPS. COLD WATER SUPPLY, 4" CENTERS, MANUAL METERED FAUCET, 0.5 GPM, SELF CLOSING, SET TIMER TO 20 SECONDS.	WALL	VT. CHINA
L-2 ACCESSIBLE	KOHLER CHICAGO FAUCET (MANUAL)	K-2005 KINGSTON 420-T45E 2805ABCP	LAVATORY, 21-1/4" X 18-1/2" X 4-3/8", 4" CENTERS, PROVIDE 327-XCP FLAT GRID STRAINER, P-TRAP, SUPPLIES AND STOPS. HOT AND COLD SUPPLY, 4" CENTERS, SINGLE LEVER FAUCET, 0.5 GPM.	WALL	VT. CHINA
IMV	LEONARD	170-LF-BP-BWE-REC	THERMOSTATIC MIXING VALVE, LOCKING CABINET, COLD WATER BYPASS, INTEGRAL CHECK VALVES, LEAD FREE, 0.25 GPM MIN. FLOW, SET AT A MAX. TEMP. OF 120° F. (ASSE 1070)	RECESSED	BAKED WHITE ENAMEL
S-1 ACCESSIBLE	ELKAY CHICAGO FAUCET (MANUAL)	DRKADQ3119-65-2 350-E35ABCP	SINK, 31" X 19" TYPE 304, REAR DRAIN LOCATION, PROVIDE WITH LKAD18 OFFSET FLAT GRID STRAINER, P-TRAP, SUPPLIES AND STOPS. PROVIDE STOP-IN HOLE COVER FOR RIGHT FRONT SLOTTED HOLE, PLUGGED FOR FUTURE USE. COLD WATER SUPPLY, SINGLE HOLE, GOOSENECK RIGID SPOUT FAUCET, 5-1/4" CENTER TO CENTER, 1.5 GPM, LEVER HANDLE TO BE MOUNTED ON THE COUNTER SIDE OF THE GOOSENECK SPOUT.	COUNTER	STAINLESS STEEL
S-2 ACCESSIBLE	ELKAY CHICAGO FAUCET (MANUAL)	DRKADQ3119-65-2 50-E35ABCP	SINK, 31" X 19" TYPE 304, REAR DRAIN LOCATION, PROVIDE WITH LKAD18 OFFSET FLAT GRID STRAINER, P-TRAP, SUPPLIES AND STOPS. PROVIDE STOP-IN HOLE COVER FOR RIGHT FRONT SLOTTED HOLE, PLUGGED FOR FUTURE USE. HOT AND COLD SUPPLY, SINGLE HOLE, GOOSENECK RIGID SPOUT FAUCET, 5-1/4" CENTER TO CENTER, 1.5 GPM, LEVER HANDLES.	COUNTER	STAINLESS STEEL
IMV	LEONARD	170-ALF-BP-BRKT	THERMOSTATIC MIXING VALVE, INTEGRAL CHECK VALVES, MOUNTING BRACKET, LEAD FREE, 0.25 GPM MIN. FLOW, LOCKING TEMPERATURE REGULATOR, 3/8" INLETS, 3/8" OUTLET, SET AT A MAX. TEMP. OF 110° F	UNDER COUNTER	
HB-1	ACORN	8121CP-LF	HOSE BIBB WITH INTEGRAL VACUUM BREAKER.	WALL	POLISHED CHROME
FD-1	ZURN	Z415B-P	FLOOR DRAIN FOR CONCRETE FLOOR (SEE PLAN FOR SIZE) WITH TRAP PRIMER CONNECTION, CAST IRON P-TRAP.	FLOOR	CAST IRON BODY WITH NICKEL-BRONZE STRAINER
TP	P.P.P.	P2-500	ADJUSTABLE TRAP PRIMER VALVE WITH UNION AND BALL VALVE. INSTALL PER 6/PB.01	----	BRASS
AD	ELMDOR	DW SERIES	WALL ACCESS DOOR WITH CYLINDER LOCK.	WALL	STAINLESS STEEL
LGB-1	GUY GRAY	MODEL E200X	LAUNDRY CONNECTION BOX WITH FACTORY INSTALLED 1/2" PEX CONNECTION VALVES, 2" THREADED DRAIN.	WALL	----
SS-1	FIAT	FL-1	23" x 21-1/2" x 13-7/16" HIGH SERVICE SINK WITH 20-1/16" HIGH BAKED ENAMEL LEOS, INTEGRAL DRAIN WITH STOPPER. FURNISH: FIAT 830AA WALL MOUNTED H & CW FAUCET WITH VACUUM BREAKER, ADJ. WALL BRACE, SPOUT WITH HOSE THREAD, 830-AA HOSE & HOSE BRACKET, 1453-BB STRAINER, P-TRAP, SUPPLIES AND STOPS.	FLOOR	TERRAZZO
RD-1	ZURN	ZC125-DP	ROOF DRAIN WITH DECK PLATE, UNDERDECK CLAMP, SUMP RECEIVER AND CAST IRON DOME	ROOF	CAST IRON

MEP COMPONENT ANCHORAGE NOTE

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.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 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.

- 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.
- 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, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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 ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. 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

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) _____

MP MD PP 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, OSHPD 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

— — — — WASTE (W)	FA	FROM ABOVE
----- VENT (V)	FB	FROM BELOW
----- COLD WATER (CW)	FCO	FLOOR CLEANOUT
--- -- HOT WATER (HW)	GCO	GRADE CLEANOUT
--- -- CONDENSATE DRAIN (CD)	GMH	GAS WATER HEATER
- - - - GAS (G)	HW	HOT WATER
- - - - GAS - MEDIUM PRESSURE	HWR	HOT WATER RISER
- - - - GAS - HIGH PRESSURE	IE	INVERT ELEVATION
● POINT OF CONNECTION (POC)	(N)	NEW
ABC	PSI	POUNDS PER SQUARE INCH
ADA	SOC	SHUT OFF COCK
AFF	SOV	SHUT OFF VALVE
CD	TYP	TYPICAL
CW	V	VENT
CWR	VR	VENT RISER
(E)	VTR	VENT THRU ROOF
EWH	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR

PLUMBING GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL FIXTURES WHITE UNLESS OTHERWISE NOTED.
- PROVIDE FLOW CONTROL DEVICES ON LAVS AND SINKS PER T-24, PART 5, CCR.
- ALL FIXTURES SHALL BE PROVIDED WITH STOP VALVES. VALVES MAY BE IN SUPPLY PIPES OR INTEGRAL WITH SUPPLY FITTINGS.
- CONTRACTOR SHALL COORDINATE ALL PLUMBING LINE LOCATIONS WITH OTHER TRADES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES AND MOUNTING HEIGHTS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL COSTS INVOLVED.
- INSULATE HOT & COLD WATER SUPPLY PIPES, STOPS, P-TRAP AND DRAIN LINE AT EACH ADA LAVATORY AND SINK WITH ANTI-MICROBIAL, SEAMLESS, VANDAL RESISTANT PROTECTIVE PIPE COVER "PROWRAP" OR EQUAL.
- ALL PIPE PENETRATIONS THROUGH ROOF SHALL BE FLASHED SIMILAR TO VTR'S.
- ALL SANITARY SEWER VENT PIPE PENETRATIONS THROUGH ROOF SHALL TERMINATE AT A MINIMUM DISTANCE OF 10' FROM ANY FRESH AIR INTAKE.
- MINIMUM LOCAL CONNECTION SIZES SHALL BE MADE IN ACCORDANCE WITH THE SCHEDULE OF CONNECTIONS.
- ALL WATER PIPING SIZED IN ACCORDANCE WITH 2016 C.P.C.
- ALL WASTE, WATER, FIRE AND STORM DRAIN PIPING SHALL BE STUBBED OUTSIDE BUILDING TO CONNECTION POINT SHOWN. SEE CIVIL DRAWINGS FOR CONTINUATION. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE PIPING.
- COORDINATE ALL TRENCHING WITH CONTRACTOR.
- ALL HOSE BIBBS SHALL BE 3/4" AND MOUNTED AT 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. ALL HOSE BIBBS SHALL HAVE A NON-REMOVABLE VACUUM BREAKER.
- CONTRACTOR SHALL VERIFY LOCATION AND ADEQUACY OF SIZE AND DEPTH OF EXISTING PLUMBING UTILITIES PRIOR TO COMMENCEMENT OF ANY WORK OR ORDERING ANY MATERIALS.
- PROVIDE MATERIALS IN ACCORDANCE WITH 2016 CALIFORNIA PLUMBING CODE AND STATE CODE REGULATIONS.
- CONTRACTOR SHALL SAWCUT AND PATCH EXISTING SLAB AS REQUIRED FOR INSTALLATION OF THE PIPING SYSTEM.
- SEISMIC SUPPORTS AND BRACING FOR ALL PIPING SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1613A, ASCE7 SECTION 13.6.1 AND NFPA 13 STANDARDS FOR SUPPORT AND ANCHORAGE. METHODS AND MATERIALS PUBLISHED BY SMACNA AND APPROVED BY STATE AGENCIES SHALL BE USED.
- THE CONDENSATE DRAIN RECEPTACLE (CDR) AND ASSOCIATED WASTE AND VENT PIPING IS NOT REQUIRED AT SITES WHERE THE ROOF DRAINS CONNECT TO A STORM DRAIN SYSTEM. CD LINES FROM ROOFTOP MECHANICAL EQUIPMENT MAY SPILL OVER ROOF DRAINS WITH A TURNED-DOWN ELBOW.
- THE WATER CLOSET CONTROLS (FLUSH HANDLE) MUST BE LOCATED ON THE CLEAR/ WIDE SIDE OF THE ACCESSIBLE WATER CLOSETS.
- A SEPARATE FIRE PLAN CHECK SUBMITTAL AND FIRE PERMIT IS REQUIRED FOR WORK BEING CONDUCTED ON THE AUTOMATIC SPRINKLER SYSTEM. PLANS AND CALCULATIONS SHALL BE SUBMITTED TO THE LOCAL ADMINISTRATIVE AUTHORITY HAVING JURISDICTION (FIRE INSPECTOR/ PLAN CHECKER) FOR PLAN CHECK APPROVAL. A PERMIT SHALL BE ACQUIRED.
- HAZARDOUS AND COMBUSTIBLE MATERIAL LINES (E.G. GAS LINES) GREATER THAN 1" IN DIAMETER AND NON-HAZARDOUS LINES (E.G. WATER LINES) GREATER THAN 3" IN DIAMETER REQUIRE SEISMIC BRACING PER 2016 CBC SECTION 1616A.1.26. ACCEPTABLE SEISMIC BRACING DETAILS INCLUDE THOSE SHOWN IN THE EATON/COOPER B-LINE OPM-0052-13 WITH 2016 REVISIONS. CONTRACTOR TO CONFIRM BRACING DETAILS WITH DESIGN TEAM.
- ANY HORIZONTAL DRAINAGE PIPE SERVING SINKS OR URINALS SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL PER CPC 2016 707.4. A CLEANOUT SHALL BE FURNISHED ABOVE THE FIXTURE CONNECTION FITTING SERVING EACH URINAL, REGARDLESS OF THE LOCATION OF THE URINAL IN THE BUILDING.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	SYMBOL	WASTE				COLD WATER		HOT WATER	
		BRANCH	OUTLET	VENT	TRAP	BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET		4"	4"	2"	---	1-1/2"	1"	---	---
LAVATORY	L	2"	1-1/2"	1-1/2"	1-1/2"	1/2"	3/8"	1/2"	3/8"
SINK	S	2"	2"	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	1/2"
URINAL		2"	2"	1-1/2"	---	1"	3/4"	---	---
DRINKING FOUNTAIN	DF	2"	1-1/4"	1-1/2"	1-1/2"	1/2"	---	---	---
SERVICE SINK	SS	2"	2"	1-1/2"	2"	3/4"	1/2"	3/4"	1/2"
LAUNDRY CONNECTION	LCB	2"	2"	1-1/2"	2"	3/4"	1/2"	3/4"	1/2"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2019

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PROJECT
**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**

GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT
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engineering
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Tel (916) 447-2841
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PLLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER
APPL #

29-11
02-117269

REVISIONS

No.	Description	Date
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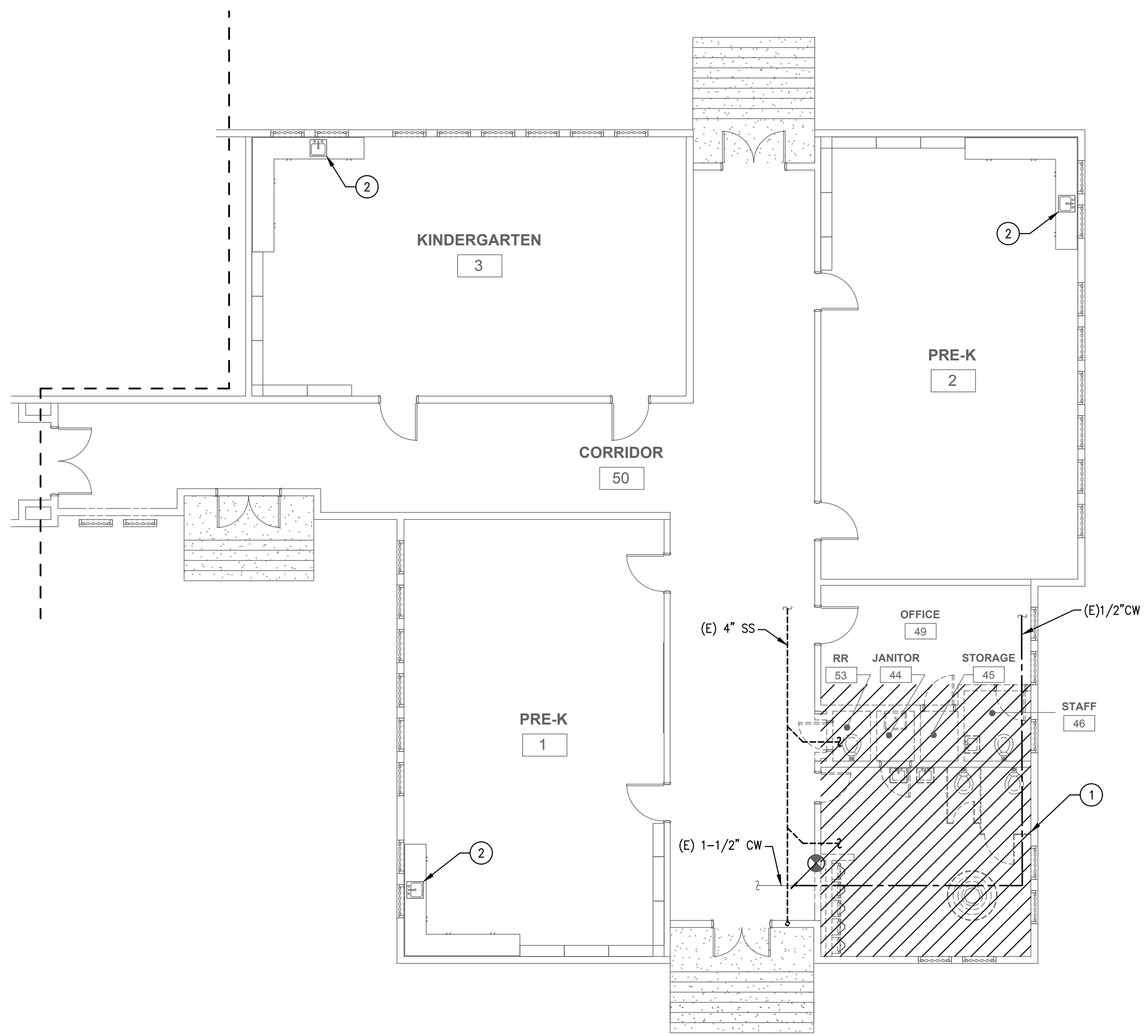
MILESTONES

SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

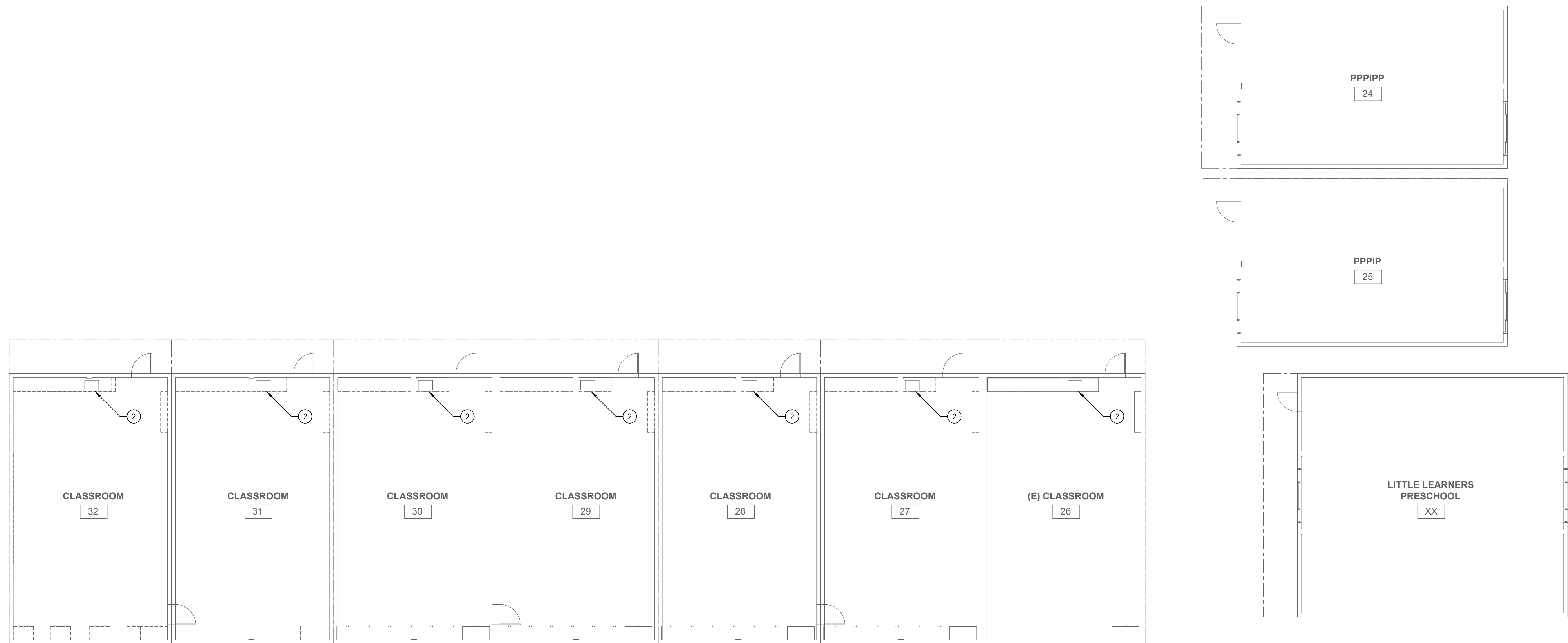
SHEET

**SYMBOLS, NOTES
& SCHEDULES**

DATE 04/08/2019
JOB # 2018044.00
SHEET #
P0.01



1 DEMOLITION PLAN - QUAD A
SCALE: 1/8" = 1'-0"



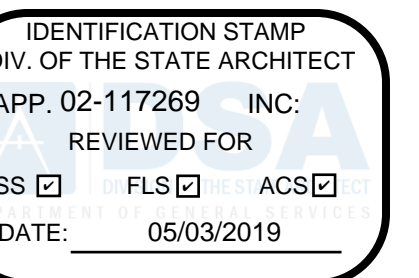
2 DEMOLITION PLAN - PORTABLES
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. FOR NEW WORK PLAN SEE SHEET P3.11.

KEYED NOTES:

- ① ALL SANITARY SEWER, COLD WATER, HOT WATER, AND VENT PIPING, INCLUDING FITTINGS AND APPURTENANCES, IN HATCHED AREA TO BE REMOVED. PREPARE POINTS OF CONNECTION FOR CONNECTION TO NEW PIPING.
- ② REMOVE (E) PLUMBING FIXTURE AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND PREPARE FOR RECONNECTION.



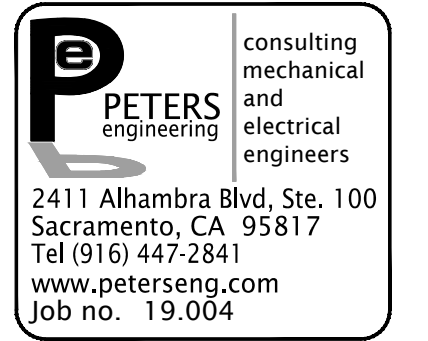
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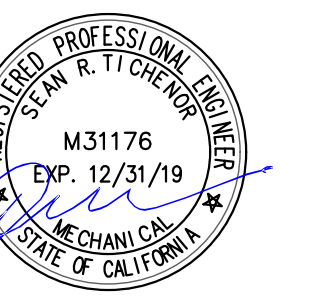
PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

GRASS VALLEY SCHOOL DISTRICT

CONSULTANT



STAMP



PLOT DATE: 5/2/2019

STATE

DSA FILE NUMBER 29-11

APPL # 02-117269

REVISIONS

No. Description Date

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MILESTONES

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50% CD
90% CD
DSA SUB 01/18/2019

SHEET

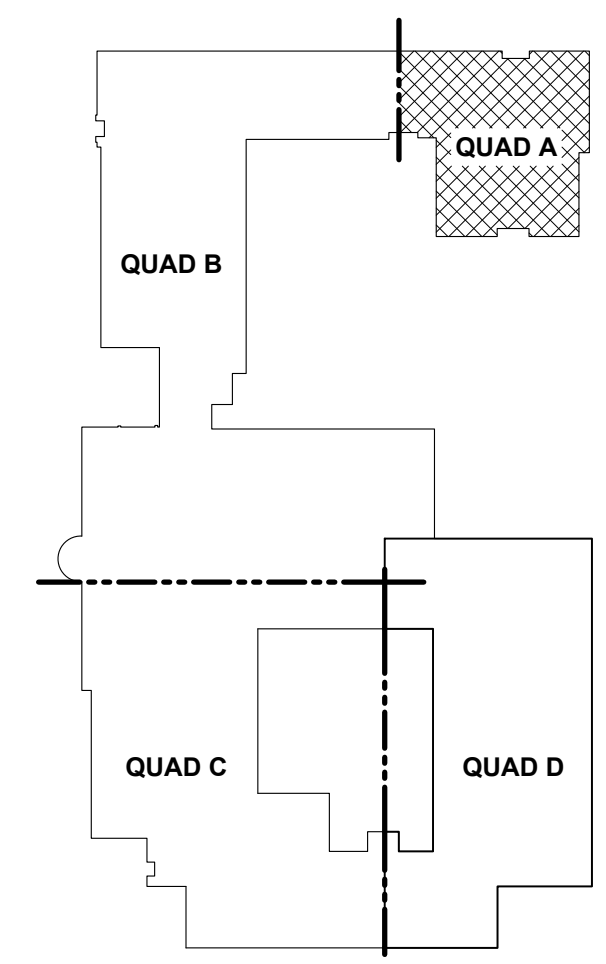
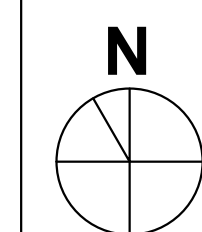
DEMOLITION PLANS - QUAD A & PORTABLES

DATE 04/08/2019

JOB # 2018044.00

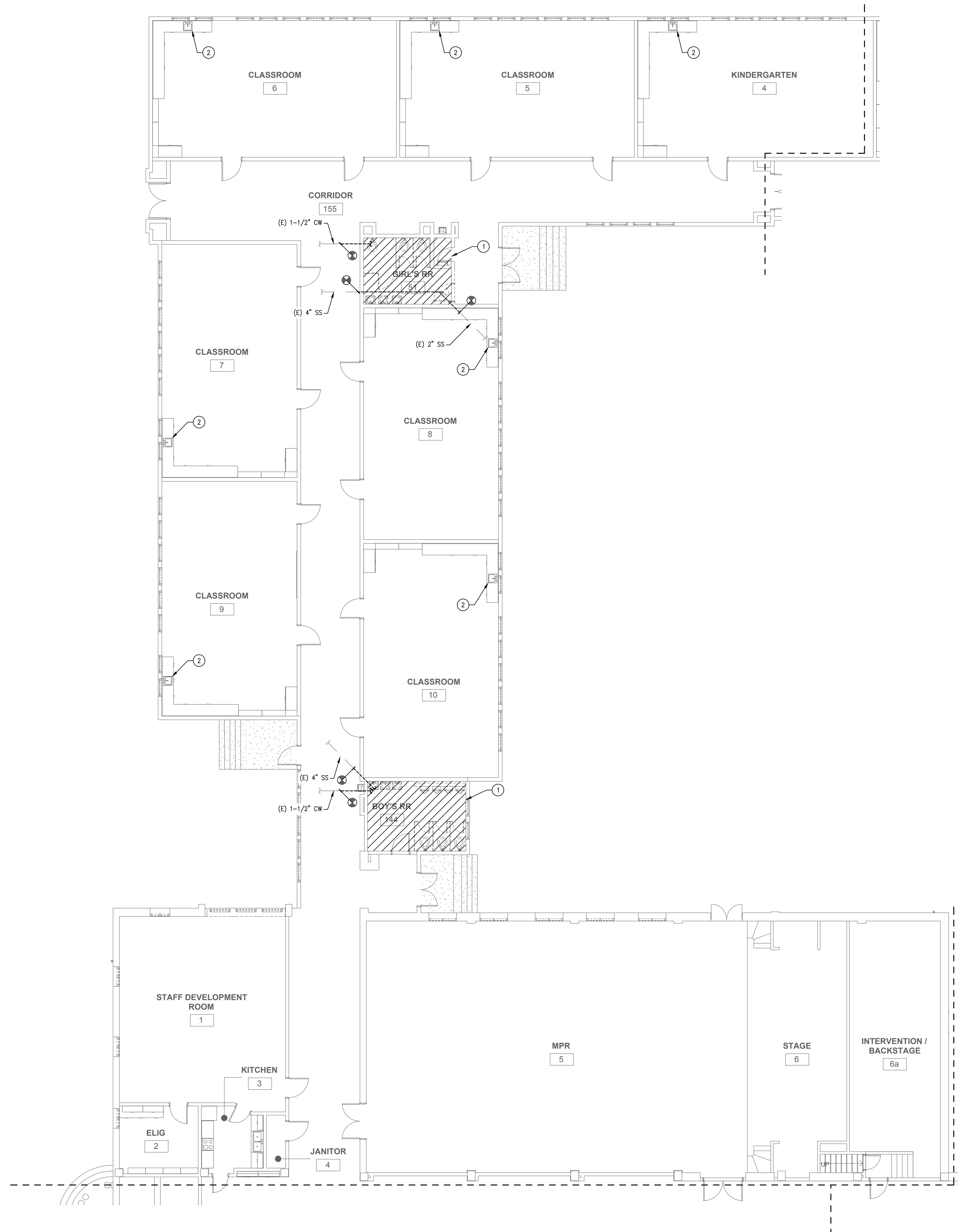
SHEET #

P2.11



PORTABLES

PORTABLES (NO WORK)



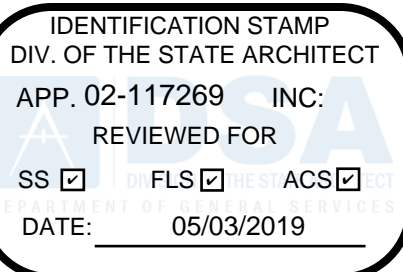
1 DEMOLITION PLAN - QUAD B
SCALE: 1/8" = 1'-0"

SHEET NOTES:

- FOR NEW WORK PLAN SEE SHEET P2.21

KEYED NOTES:

- ALL SANITARY SEWER, COLD WATER, HOT WATER, AND VENT PIPING, INCLUDING FITTINGS AND APPURTENANCES, IN HATCHED AREA TO BE REMOVED. PREPARE POINTS OF CONNECTION FOR CONNECTION TO NEW PIPING.
- REMOVE (E) PLUMBING FIXTURE AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND PREPARE FOR RECONNECTION.



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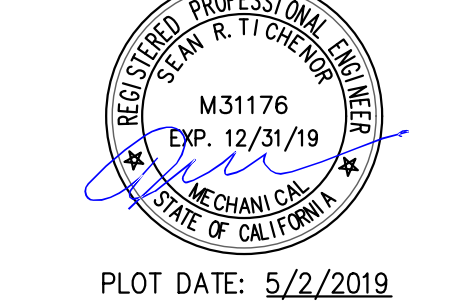
PROJECT
**GRASS VALLEY CHARTER SCHOOL
MODERNIZATION
2019**

GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT



STAMP



PLOT DATE: 5/2/2019

STATE

DSA FILE NUMBER 29-11

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REVISIONS

No. Description Date

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MILESTONES

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50% CD
90% CD
DSA SUB 01/18/2019

SHEET

**DEMOLITION
PLAN - QUAD B**

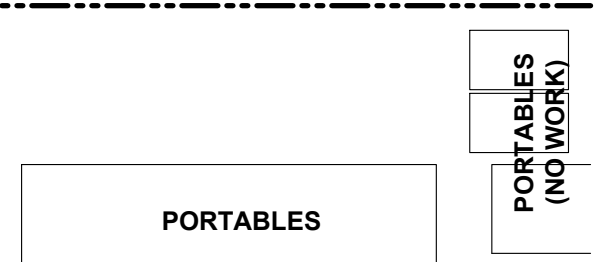
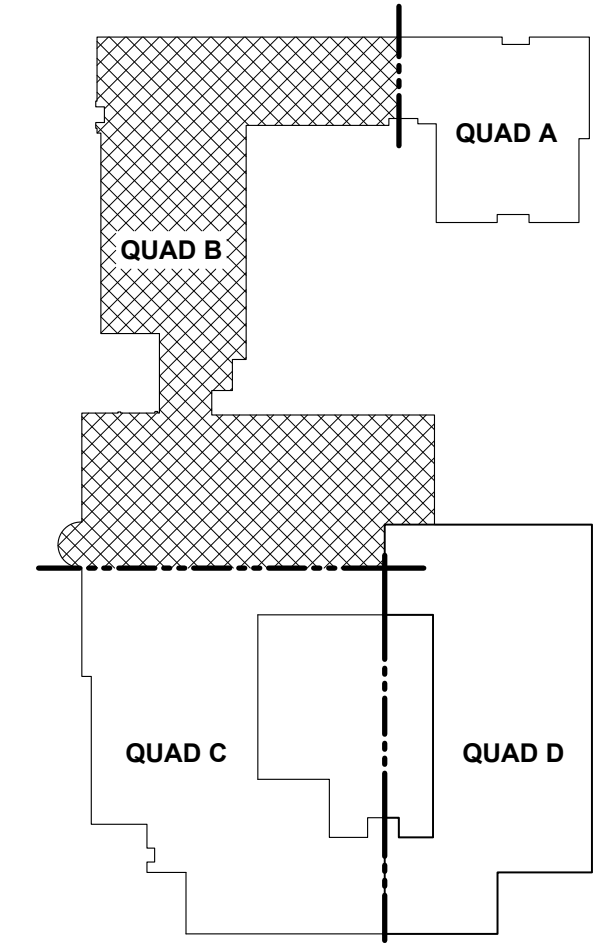
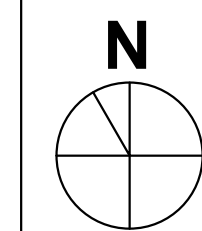
DATE

04/08/2019

JOB # 2018044.00

SHEET #

P2.21

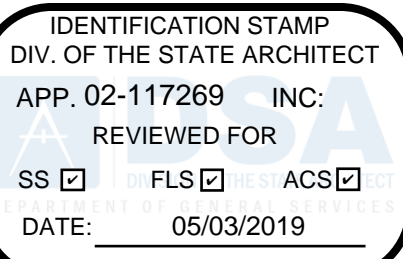


SHEET NOTES:

1. FOR NEW WORK PLAN SEE SHEET P2.31

KEYED NOTES:

- ① ALL SANITARY SEWER, COLD WATER, HOT WATER, AND VENT PIPING, INCLUDING FITTINGS AND APPURTENANCES, IN HATCHED AREA TO BE REMOVED. PREPARE POINTS OF CONNECTION FOR CONNECTION TO NEW PIPING.
- ② REMOVE (E) PLUMBING FIXTURE AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND PREPARE FOR RECONNECTION.
- ③ REMOVE (E) PLUMBING FIXTURE AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND PREPARE FOR RELOCATION TO ADJACENT WALL. REMOVE WALL CARRIER AND PREPARE FOR NEW.
- ④ REMOVE (E) PLUMBING EQUIPMENT AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND CAP BEHIND FINISHED SURFACES.



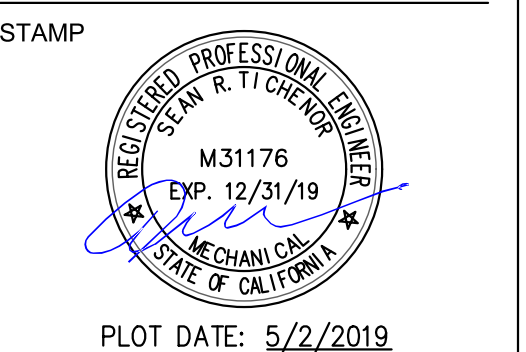
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PROJECT
**GRASS VALLEY CHARTER SCHOOL
MODERNIZATION
2019**

GRASS VALLEY SCHOOL DISTRICT

CONSULTANT
PETERS consulting mechanical and electrical engineers
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Job no. 19.004



PLOT DATE: 5/2/2019

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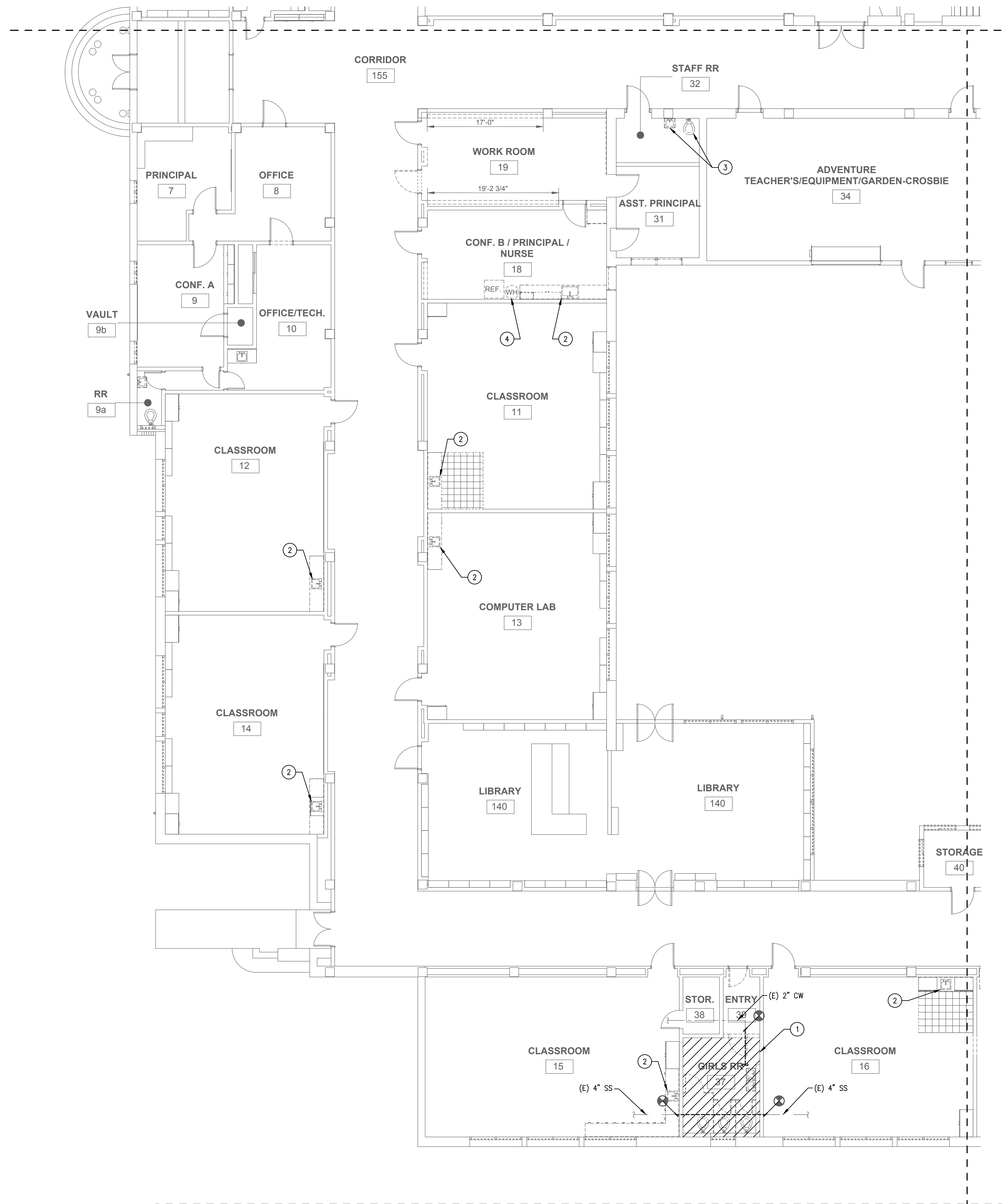
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50% CD	
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DSA SUB	01/18/2019

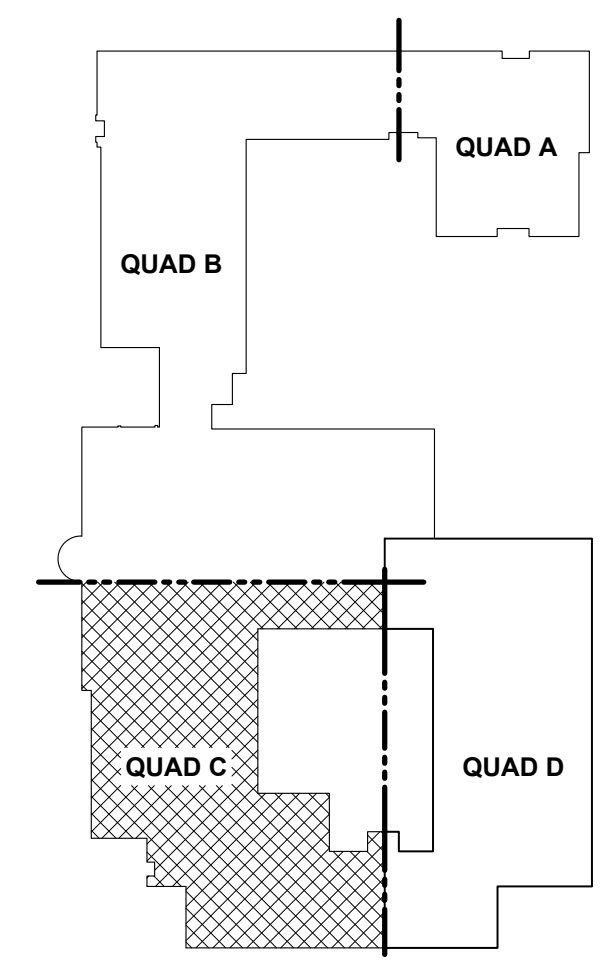
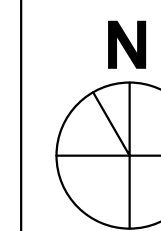
SHEET
DEMOLITION PLAN - QUAD C

DATE 04/08/2019
JOB # 2018044.00
SHEET #

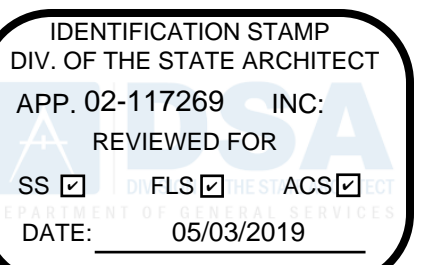
P2.31



1 DEMOLITION PLAN - QUAD C
SCALE: 1/8" = 1'-0"



SHEET NOTES:
 1. FOR NEW WORK PLAN SEE SHEET P2.41

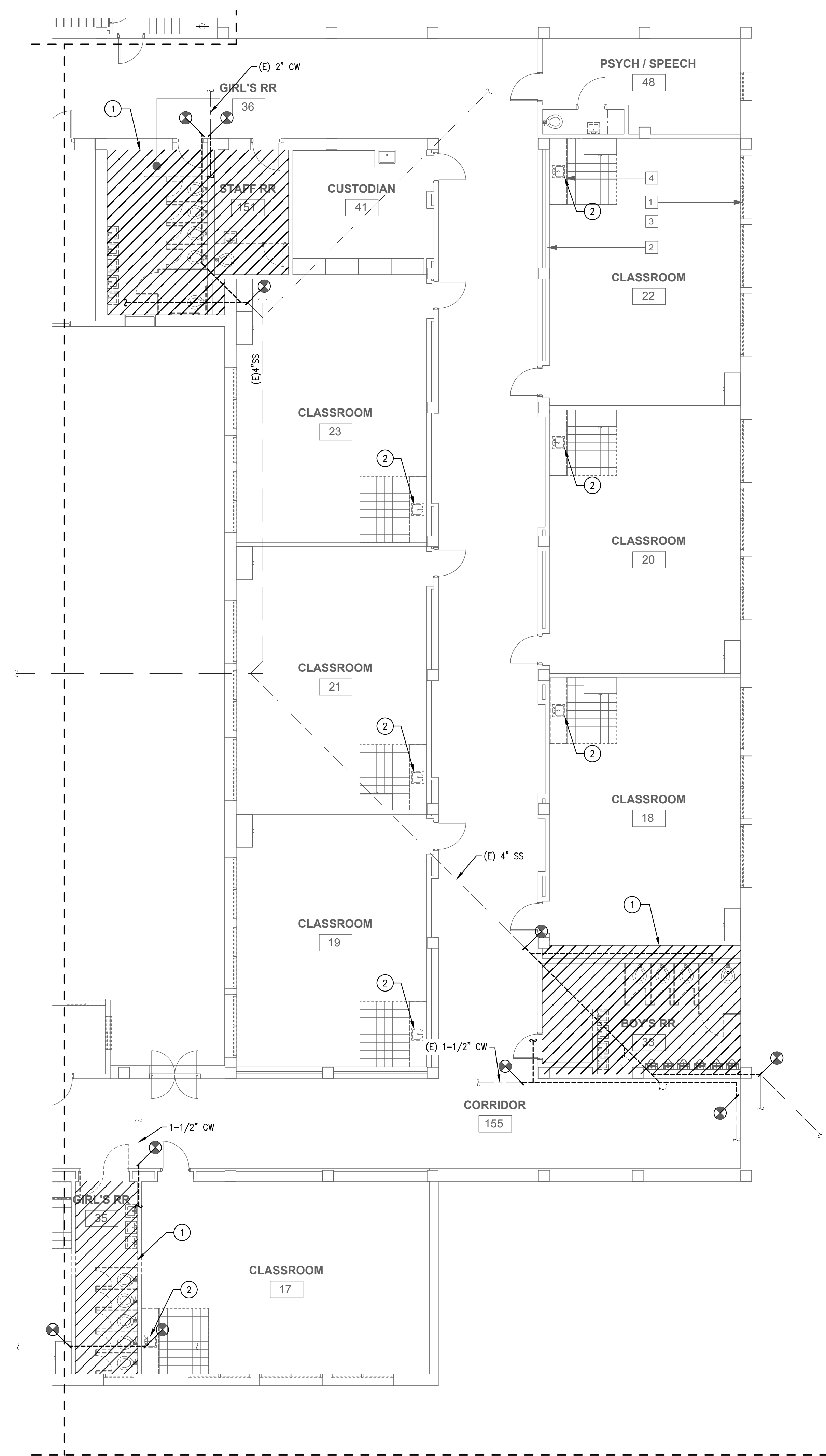


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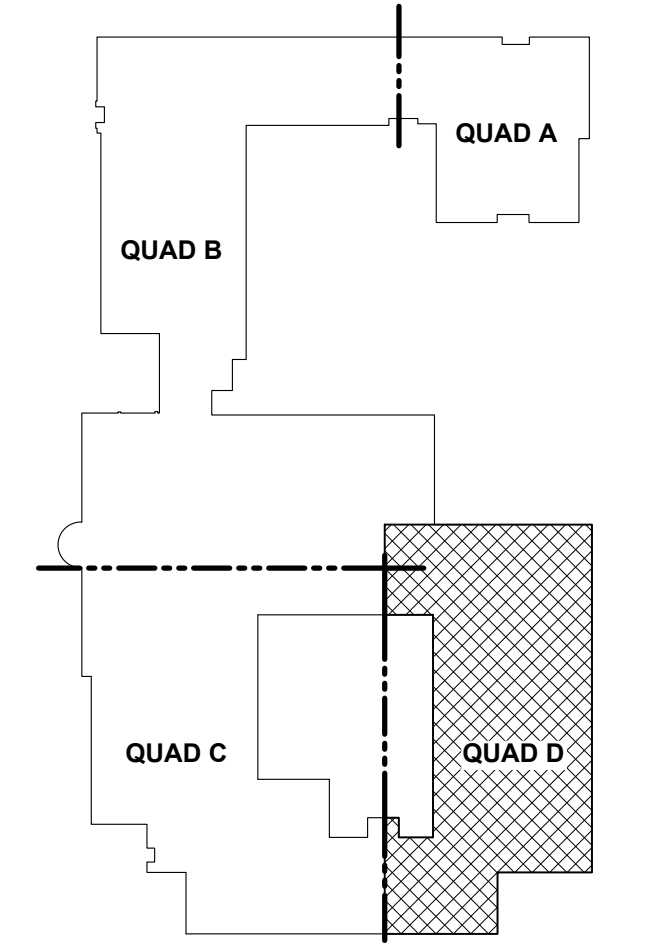
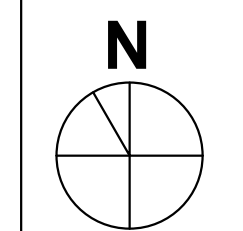
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KEYED NOTES:

- ① ALL SANITARY SEWER, COLD WATER, HOT WATER, AND VENT PIPING, INCLUDING FITTINGS AND APPURTENANCES, IN HATCHED AREA TO BE REMOVED. PREPARE POINTS OF CONNECTION FOR CONNECTION TO NEW PIPING.
- ② REMOVE (E) PLUMBING FIXTURE AND ALL APPURTENANCES. DISCONNECT ALL PLUMBING UTILITIES AND PREPARE FOR RECONNECTION.



1 DEMOLITION PLAN - QUAD D
 SCALE: 1/8" = 1'-0"



PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

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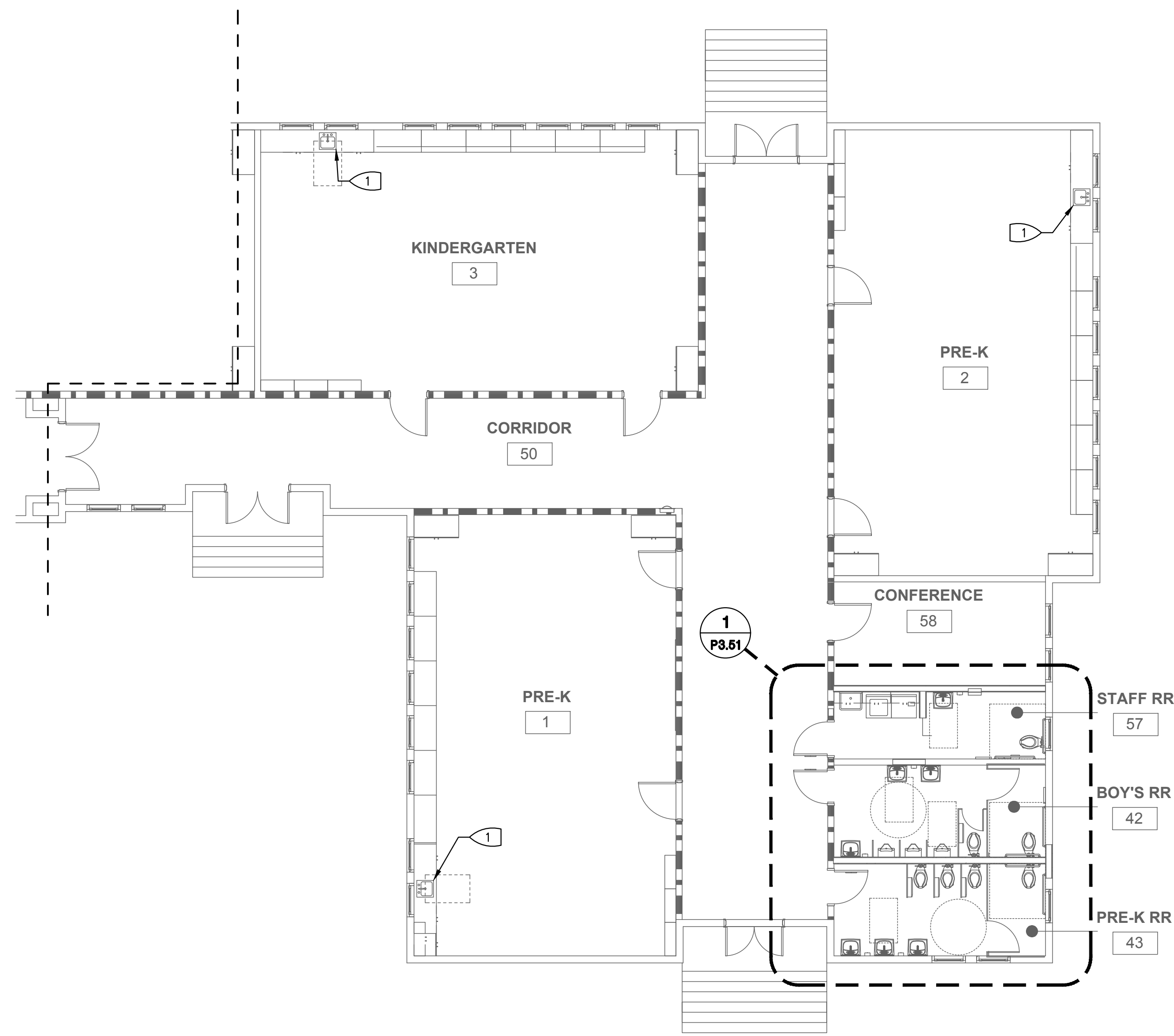
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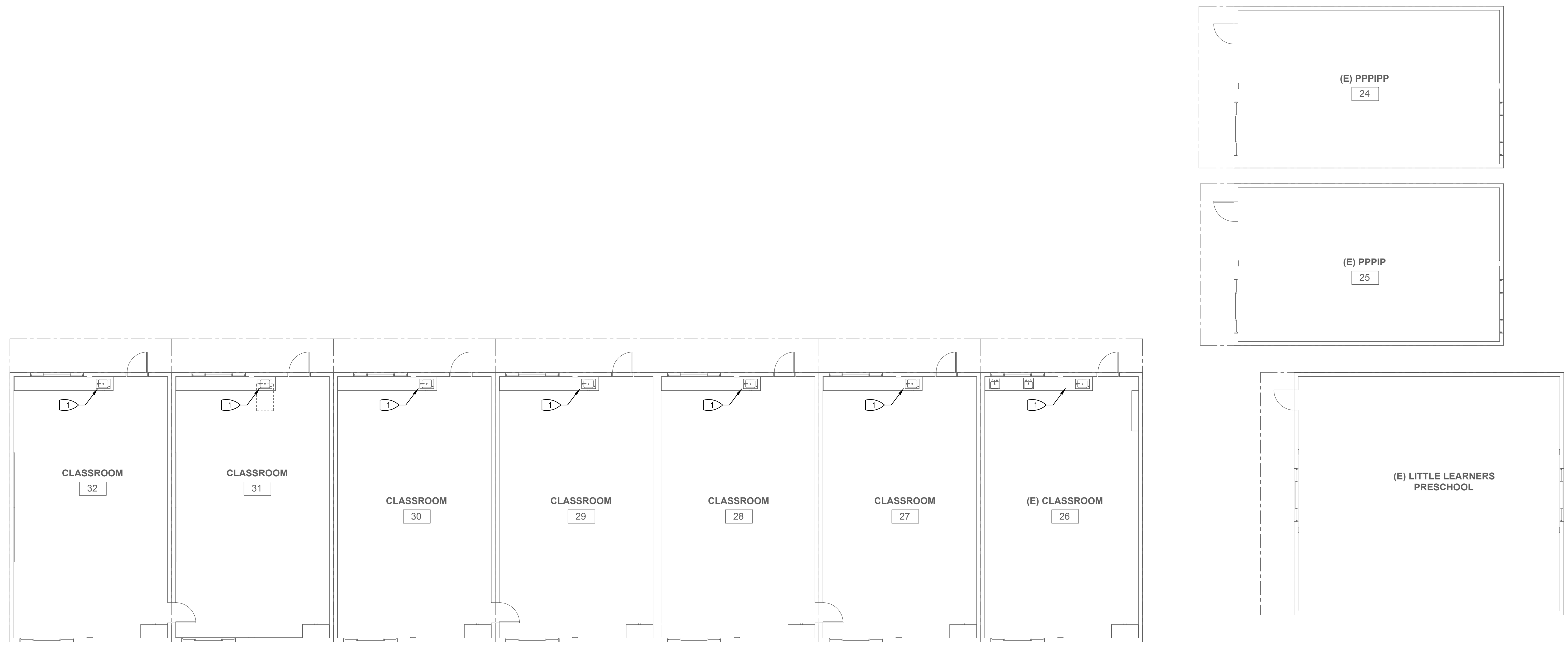
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DSA SUB	01/18/2019

SHEET
DEMOLITION PLAN - QUAD D

DATE 04/08/2019
 JOB # 2018044.00
 SHEET # **P2.41**



1 PLUMBING PLAN - QUAD A
SCALE: 1/8" = 1'-0"



2 PLUMBING PLAN - PORTABLES
SCALE: 1/8" = 1'-0"

SHEET NOTES:
 1. PROVIDE ALL FLEXIBLE CONNECTIONS, SUPPLIES AND STOPS AT FIXTURES.
 2. PROVIDE CLEANOUT AT SINKS AND URINALS PER 2016 CPC CODE.
 1HR CORRIDOR WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.
 1HR OCCUPANCY SEPARATION WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.
KEYED NOTES:
 1 PROVIDE NEW PLUMBING FIXTURE S-1 AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES.

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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

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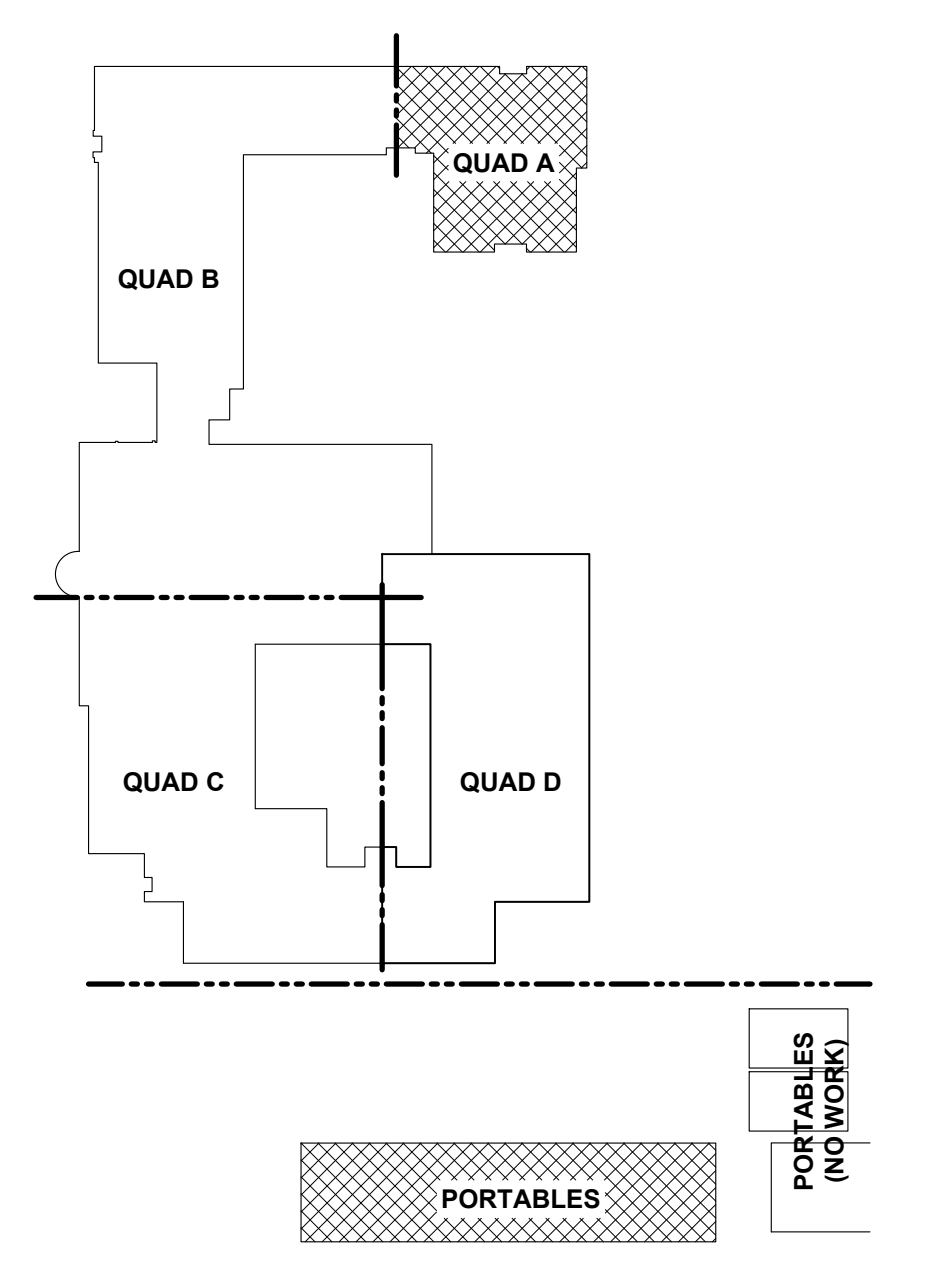
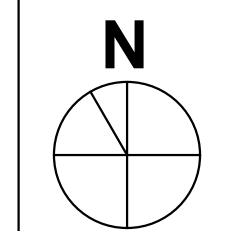
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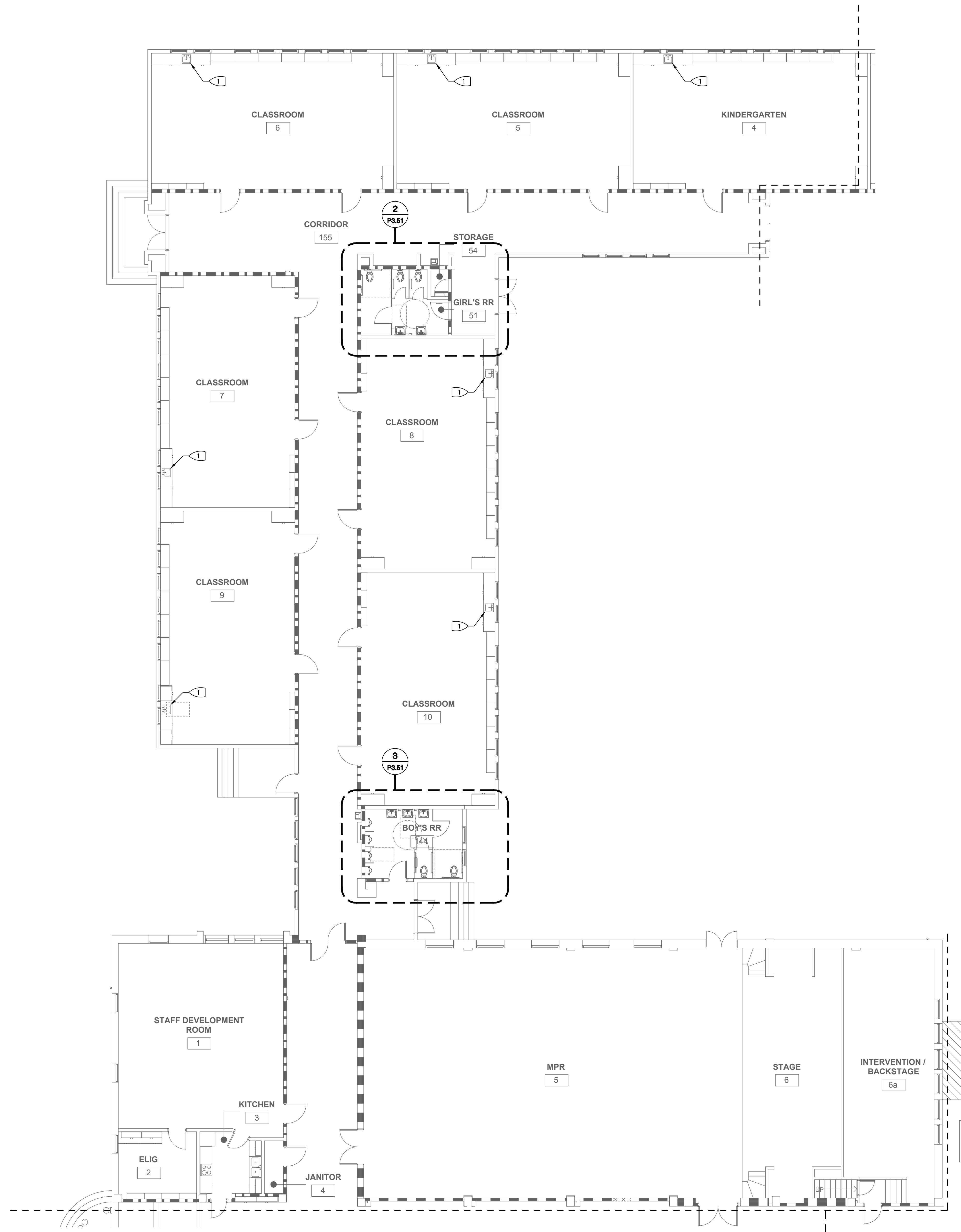
MILESTONES
 SD
 DD
 50% CD
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 DSA SUB 01/18/2019

SHEET
PLUMBING PLANS - QUAD A & PORTABLES

DATE 04/08/2019
 JOB # 2018044.00
 SHEET #

P3.11





1 PLUMBING PLAN - QUAD B
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. PROVIDE ALL FLEXIBLE CONNECTIONS, SUPPLIES AND STOPS AT FIXTURES.
 2. PROVIDE CLEANOUT AT SINKS AND URINALS PER 2016 CPC CODE.
- 1HR CORRIDOR WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.
- 1HR OCCUPANCY SEPARATION WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.

KEYED NOTES:

- 1 PROVIDE NEW PLUMBING FIXTURE S=1 AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES.

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REGISTERED PROFESSIONAL MECHANICAL ENGINEER
SEAN R. TIFORD
M31176
EXP. 12/31/19
STATE OF CALIFORNIA
PLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

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No.	Description	Date
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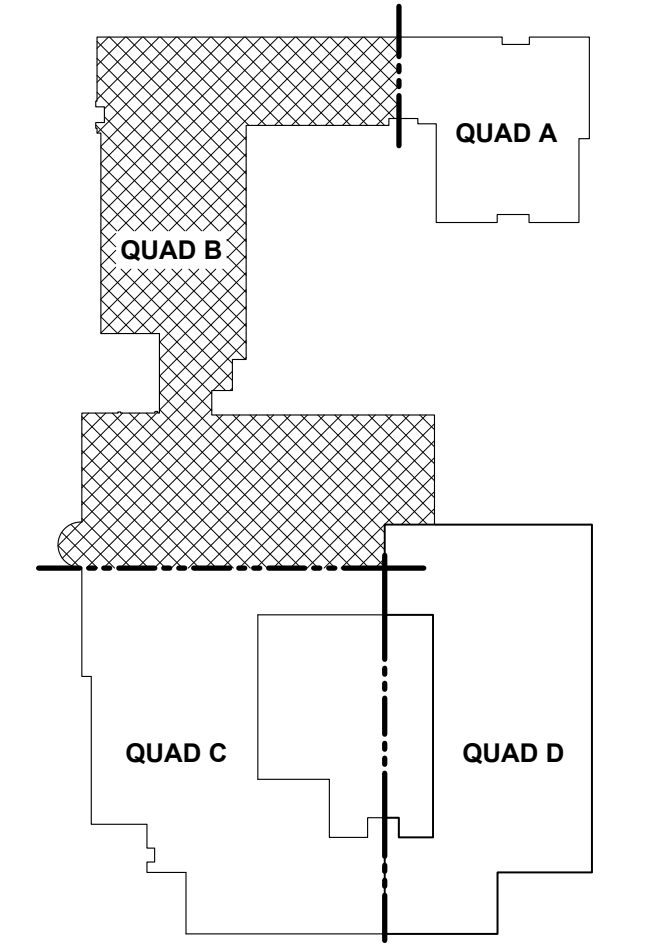
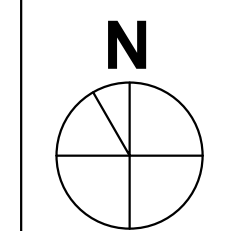
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DSA SUB	01/18/2019

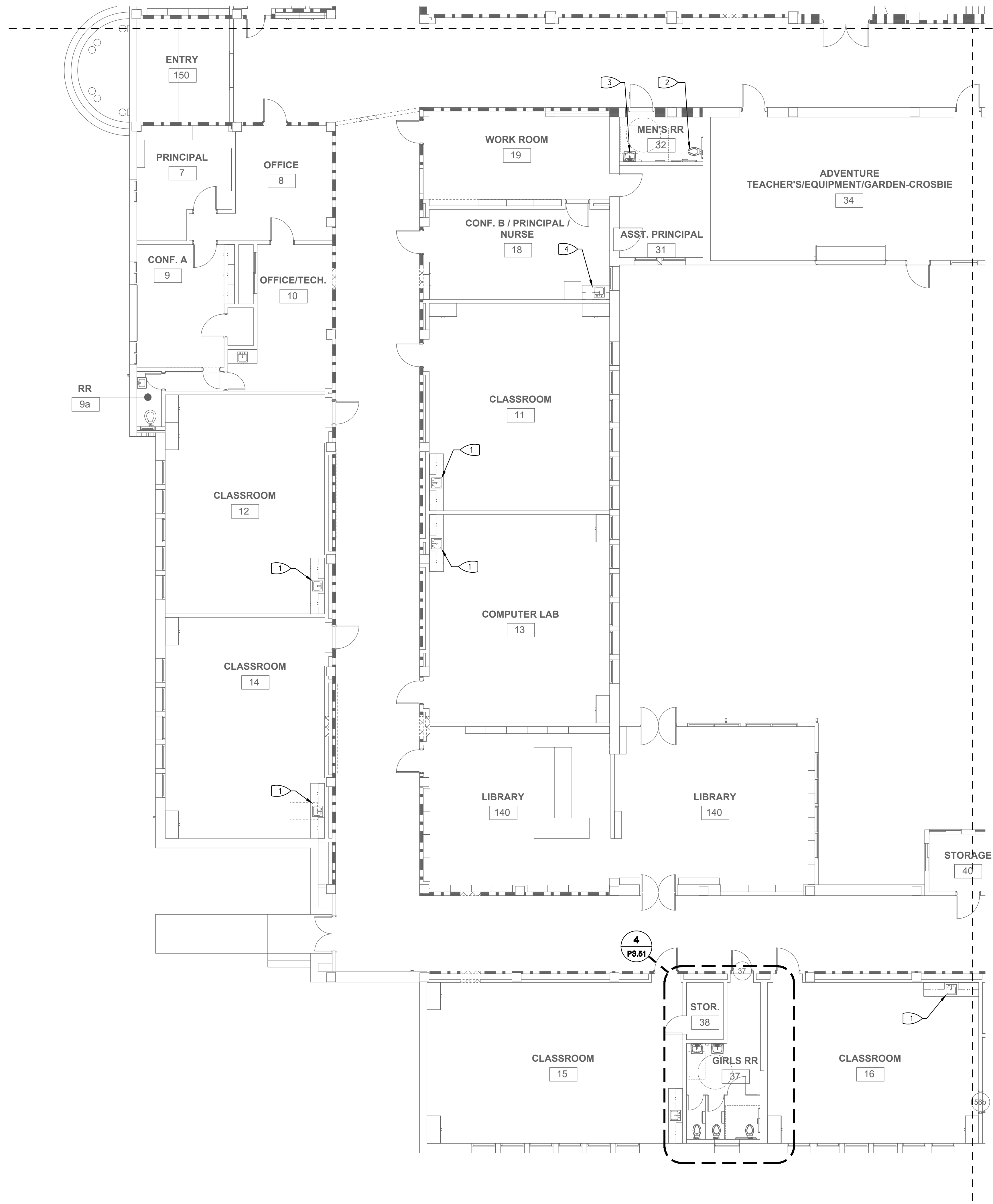
SHEET
PLUMBING PLAN - QUAD B

DATE 04/08/2019
JOB # 2018044.00
SHEET #

P3.21





PORTABLES
(NO WORK)



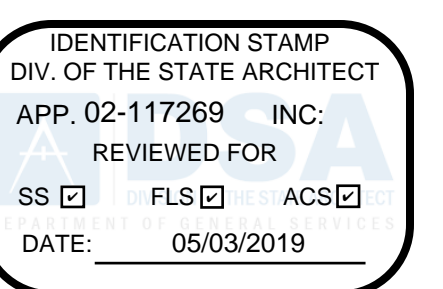
1 PLUMBING PLAN - QUAD C
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. PROVIDE ALL FLEXIBLE CONNECTIONS, SUPPLIES AND STOPS AT FIXTURES.
 2. PROVIDE CLEANOUT AT SINKS AND URINALS PER 2016 CPC CODE.
-  1HR CORRIDOR WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.
 1HR OCCUPANCY SEPARATION WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02.

KEYED NOTES:

1. PROVIDE NEW PLUMBING FIXTURE **S-1** AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES.
2. PROVIDE NEW PLUMBING FIXTURE **WC-2** AND CONNECT (N) 3" WASTE, 2" VENT AND 1-1/2" COLD WATER TO (E) PLUMBING UTILITIES BEHIND FINISHED SURFACES. PROVIDE FLUSH VALVE HANDLE ON ACCESSIBLE SIDE.
3. PROVIDE NEW PLUMBING FIXTURE **L-1** AND CONNECT (N) 2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES BEHIND FINISHED SURFACES. PROVIDE NEW COMMERCIAL WALL CARRIER PER **4/P8.01**, SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
4. PROVIDE NEW PLUMBING FIXTURE **S-2** AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" HOT AND COLD WATER TO (E) PLUMBING UTILITIES. PROVIDE NEW **ICM-1**, CONNECTED PER **3/P8.1**.



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GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

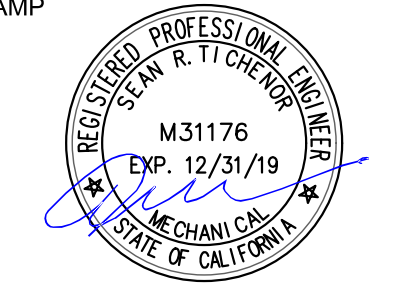
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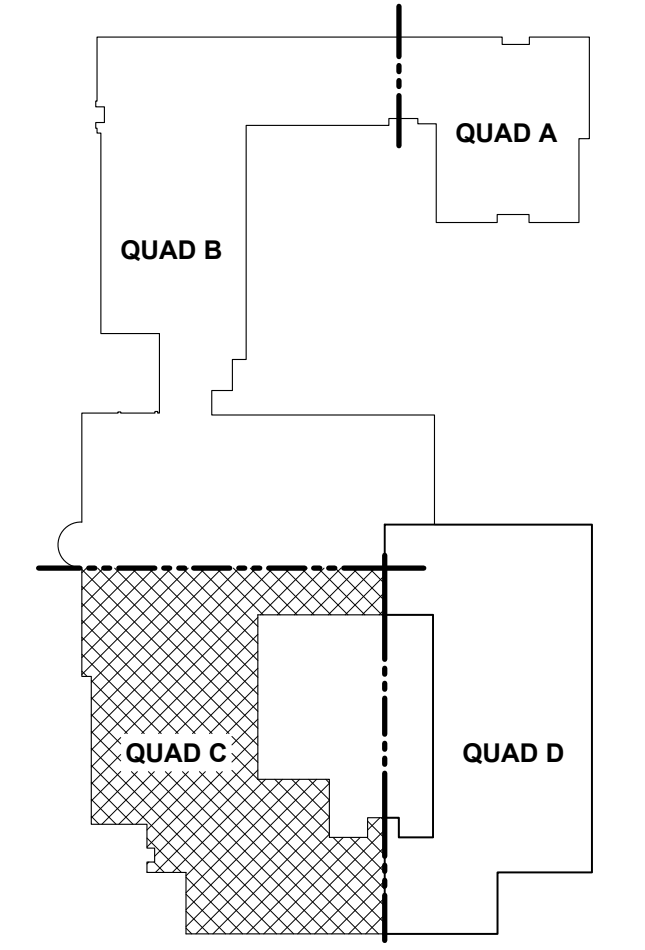
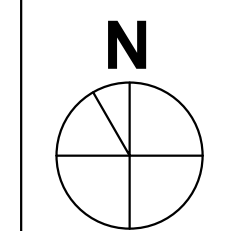
MILESTONES

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DSA SUB	01/18/2019

SHEET
PLUMBING PLAN - QUAD C

DATE 04/08/2019
JOB # 2018044.00
SHEET #

P3.31



PORTABLES

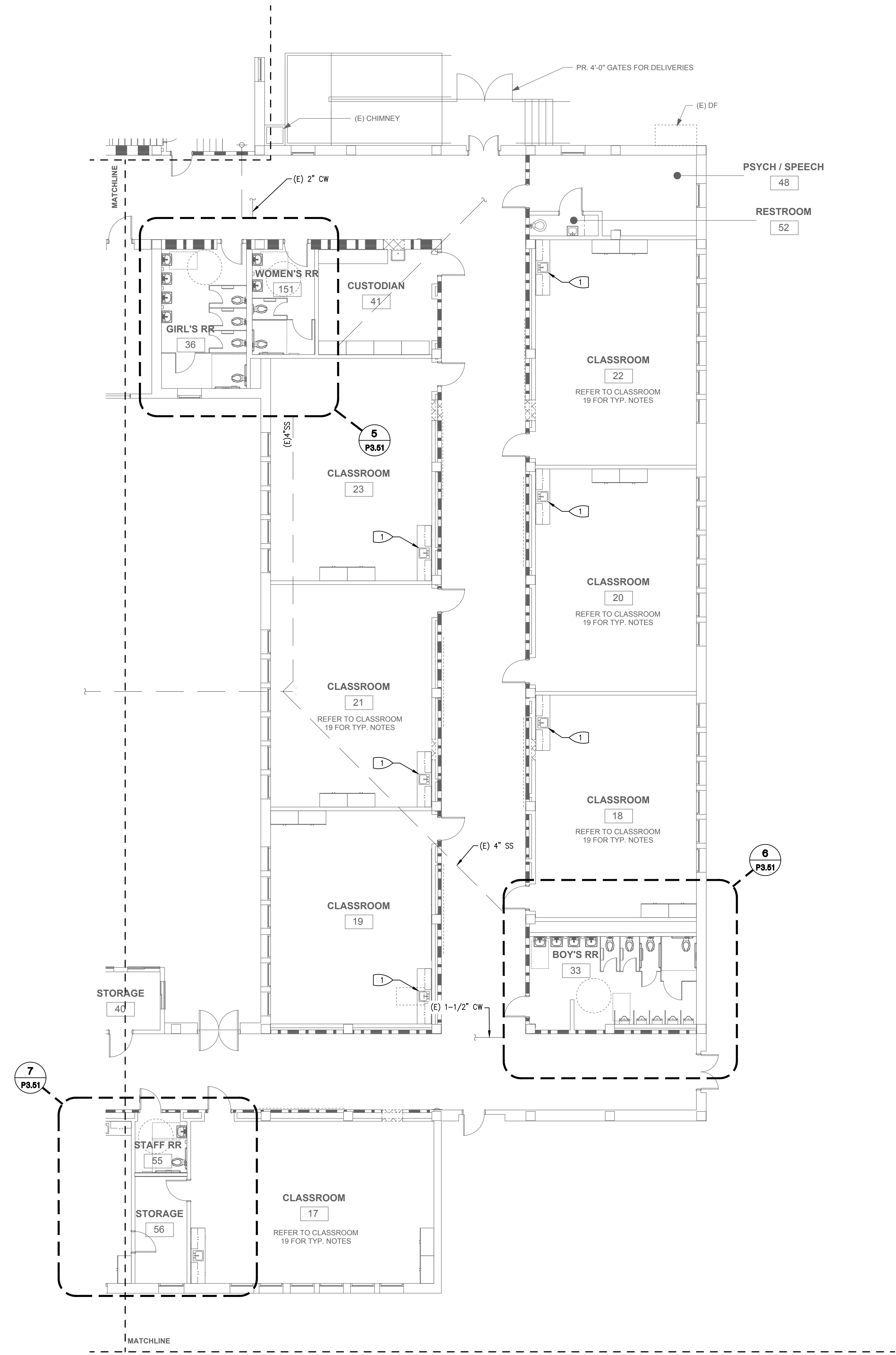
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SHEET NOTES:

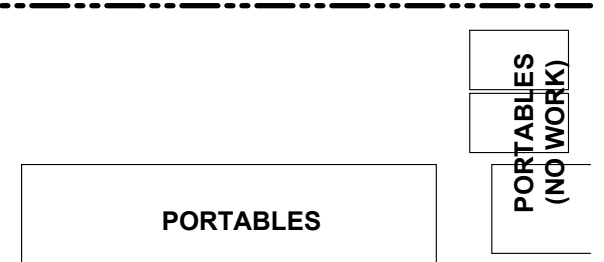
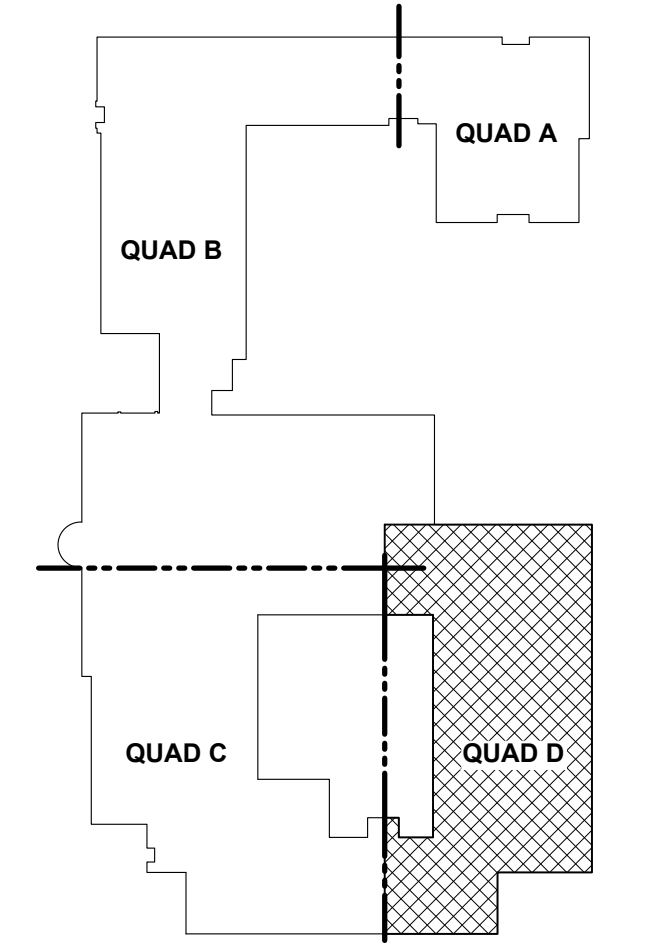
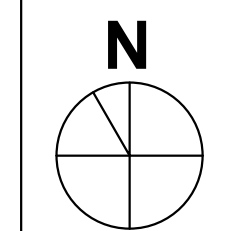
1. PROVIDE ALL FLEXIBLE CONNECTIONS, SUPPLIES AND STOPS AT FIXTURES.
 2. PROVIDE CLEANOUT AT SINKS AND URINALS PER 2016 CPC CODE.
- 1HR CORRIDOR WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02
- 1HR OCCUPANCY SEPARATION WALL, FOR PIPING PENETRATION SEE DETAILS ON A10.02

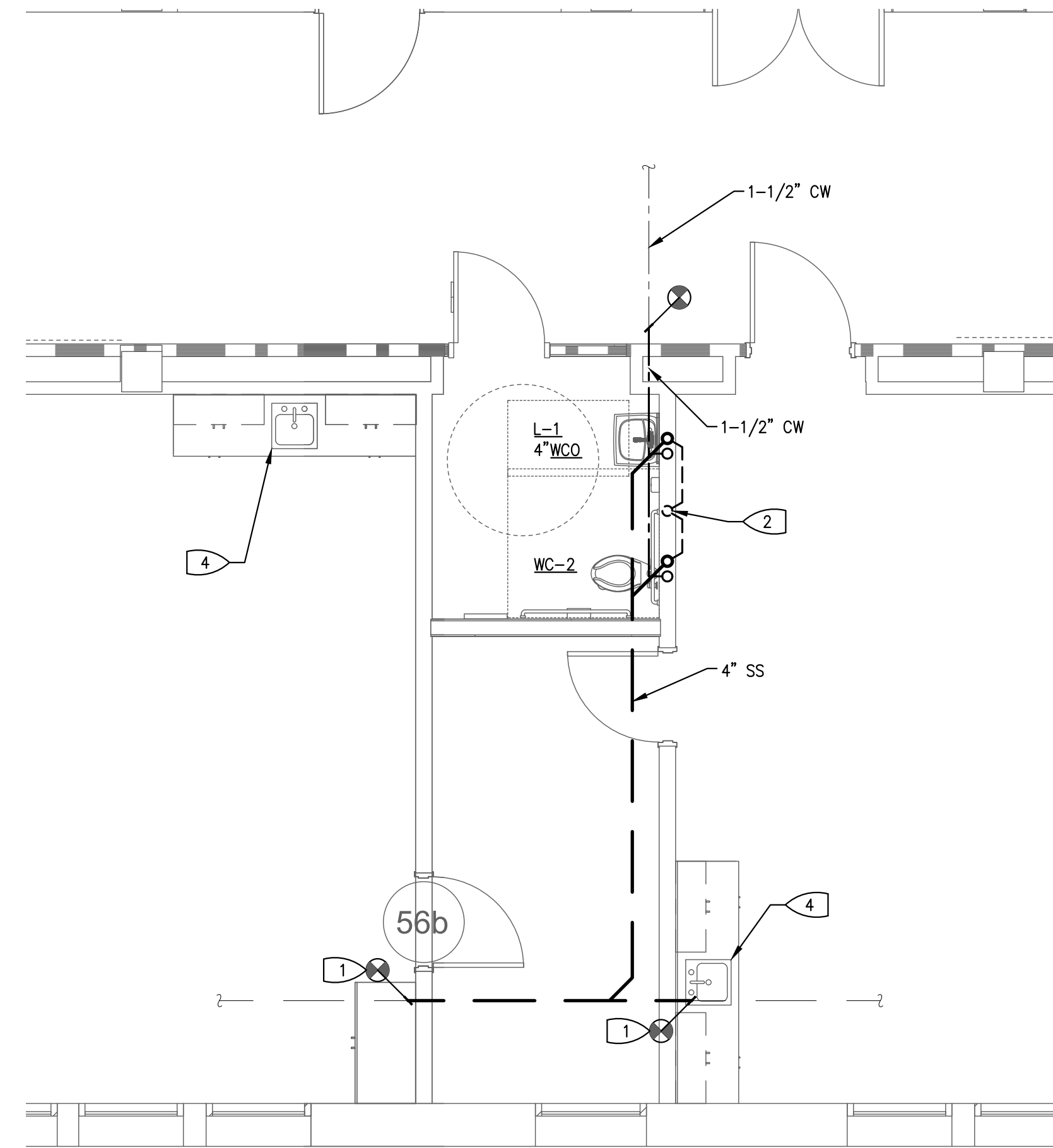
KEYED NOTES:

- 1 PROVIDE NEW PLUMBING FIXTURE S-L AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES.

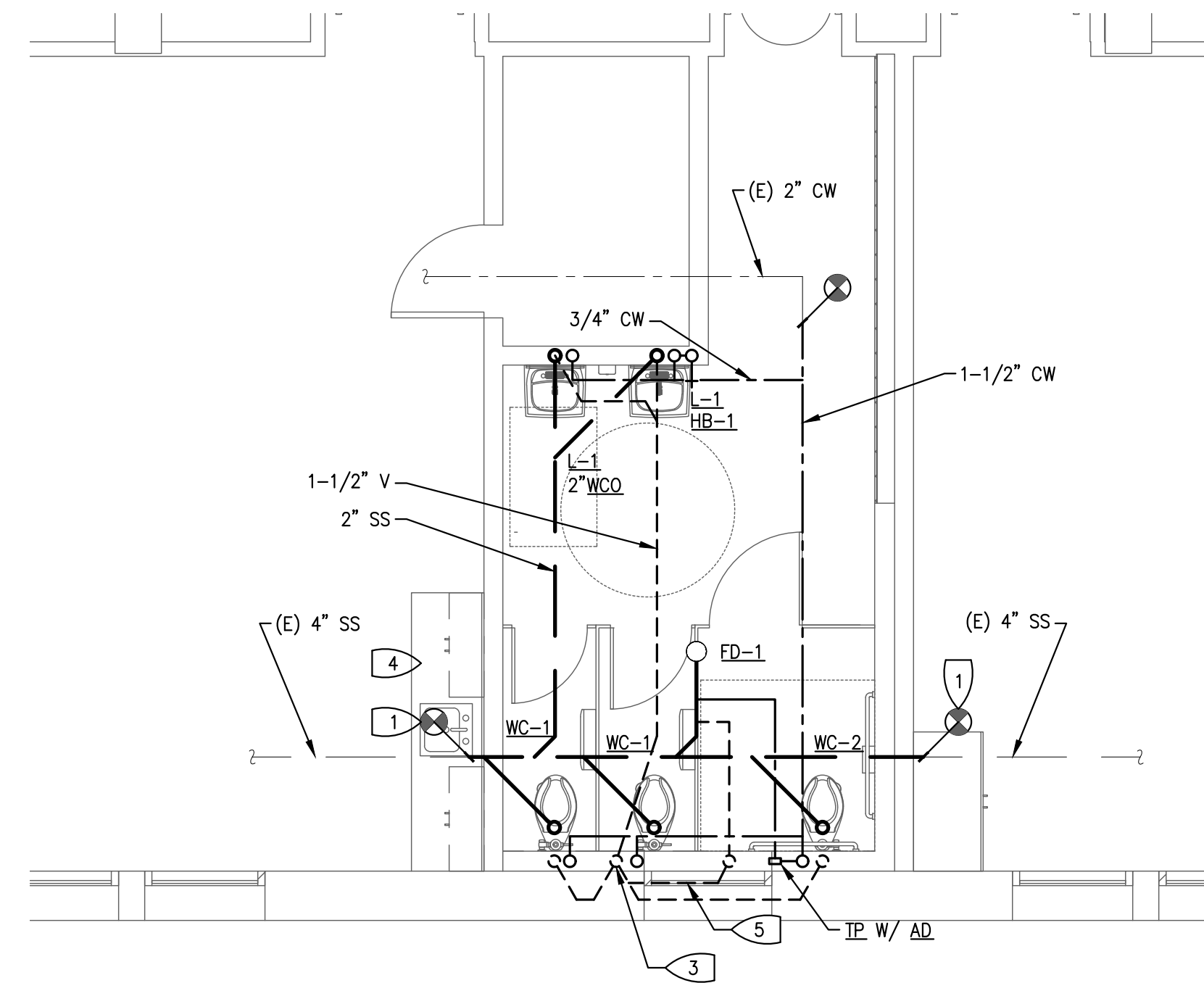


1 PLUMBING PLAN - QUAD D
 SCALE: 1/8" = 1'-0"

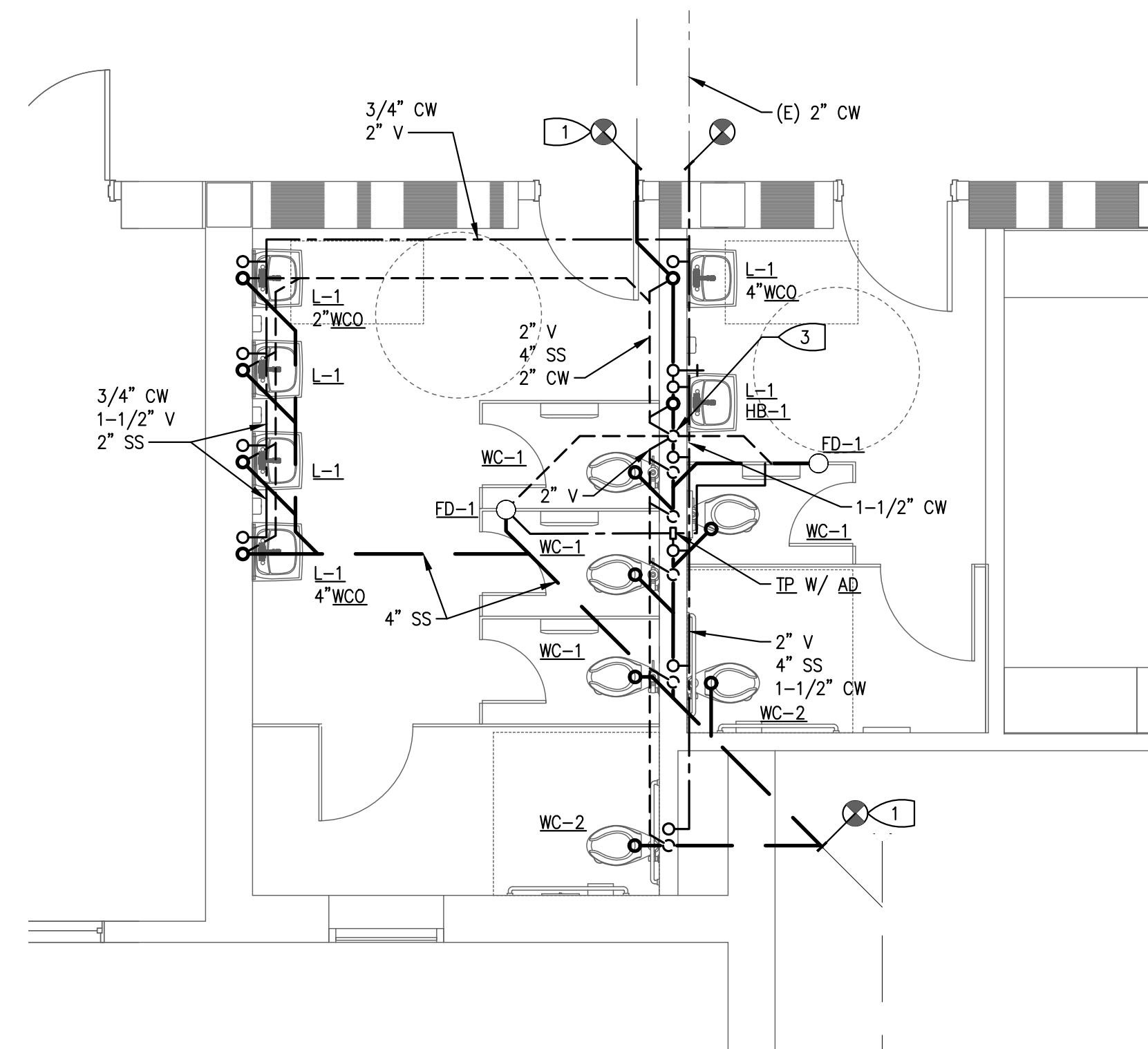




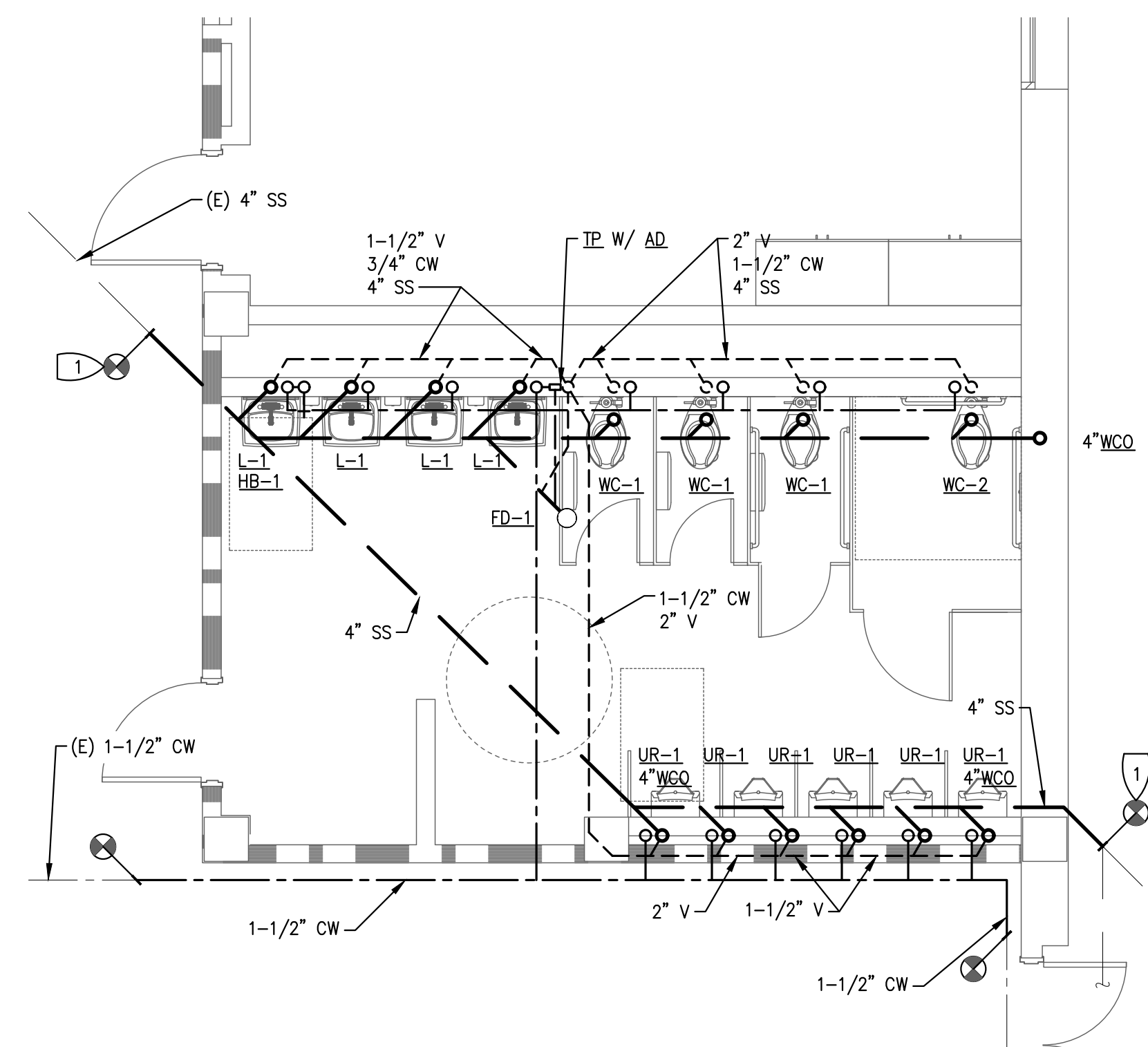
7 ENLARGED QUAD D RR 55 - PLUMBING
SCALE: 1/4" = 1'-0"



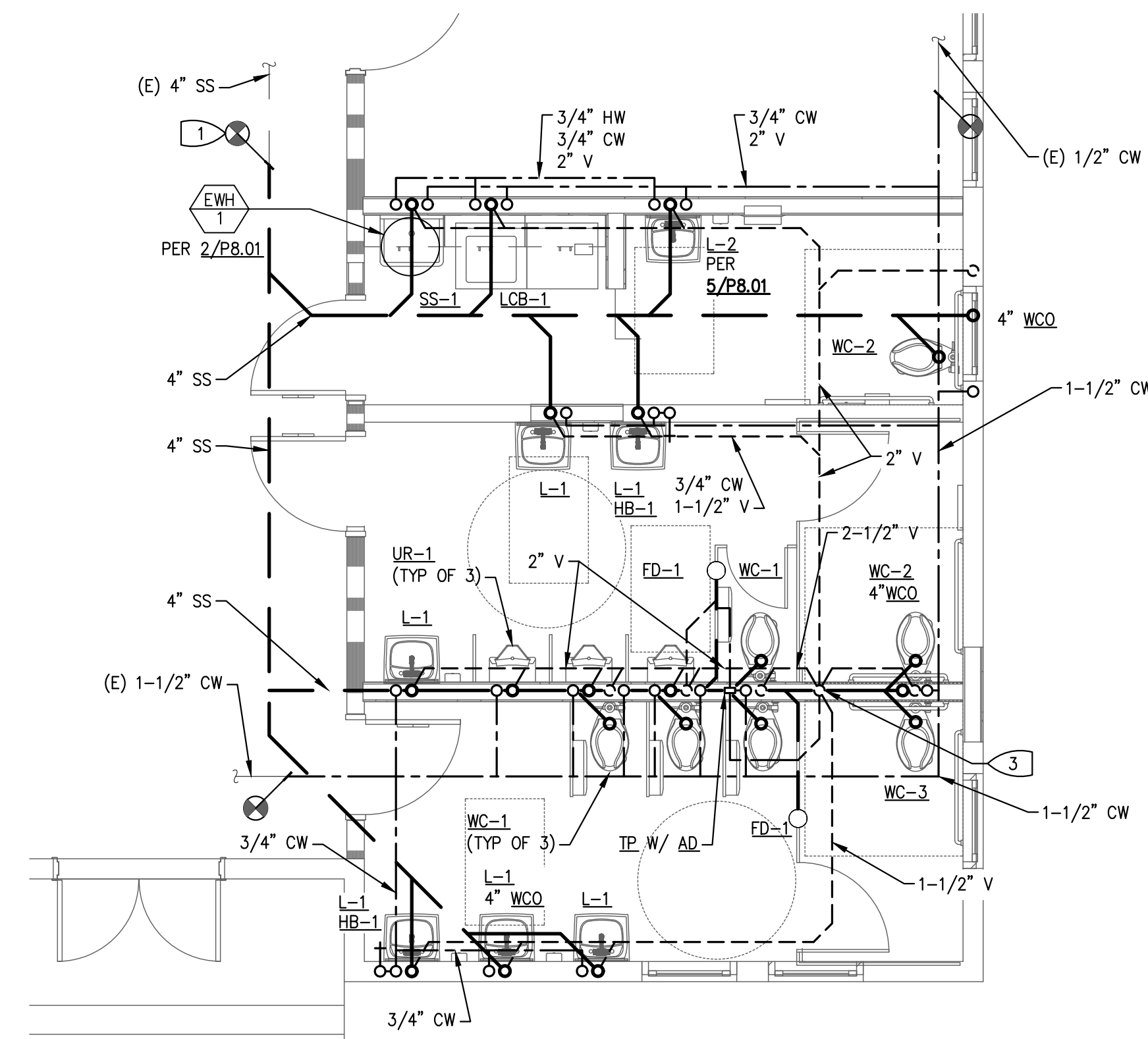
4 ENLARGED QUAD C RR 37 - PLUMBING
SCALE: 1/4" = 1'-0"



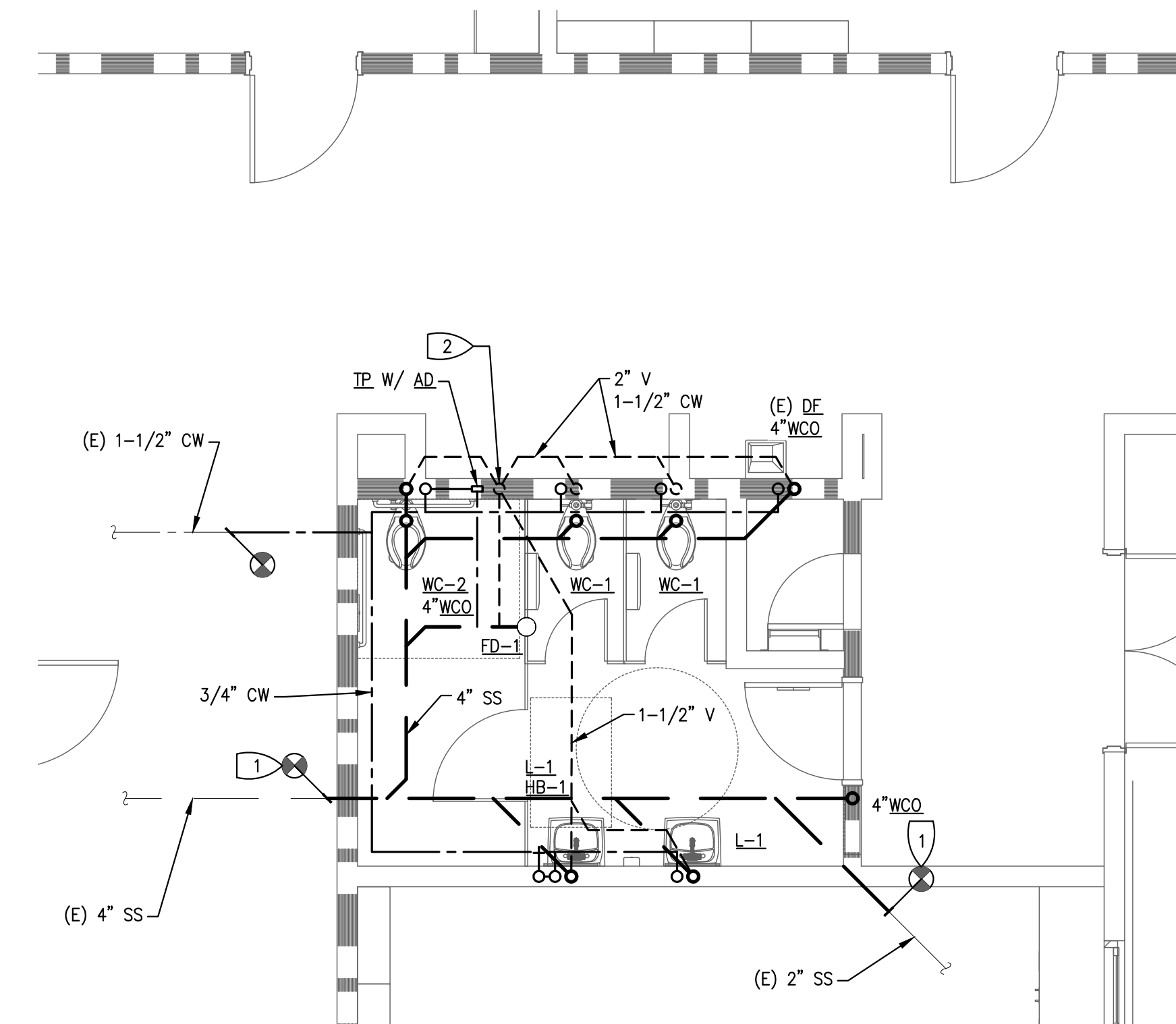
5 ENLARGED QUAD D RR 36 & 151 - PLUMBING
SCALE: 1/4" = 1'-0"



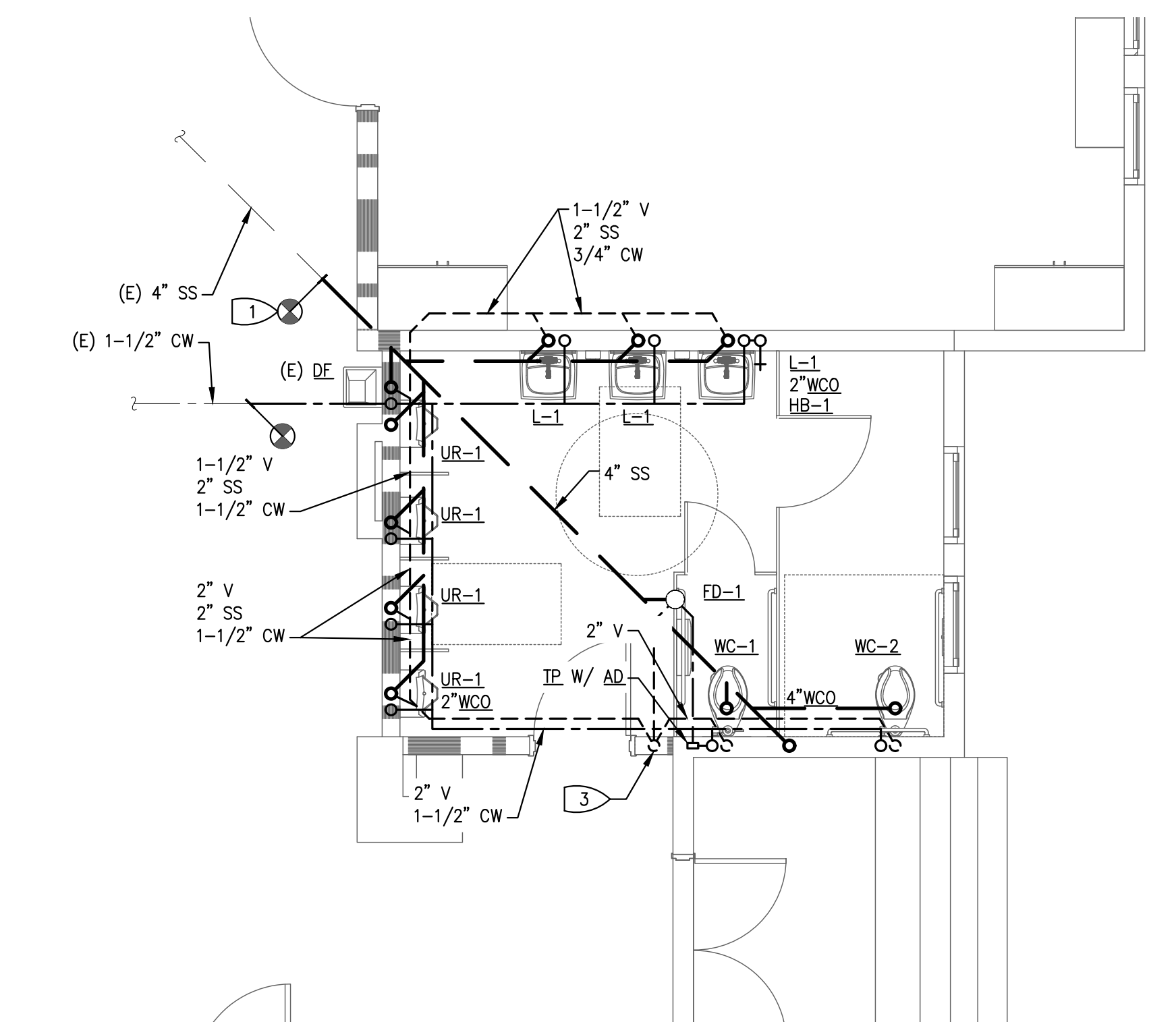
6 ENLARGED QUAD D RR 33 - PLUMBING
SCALE: 1/4" = 1'-0"



1 ENLARGED QUAD A - PLUMBING
SCALE: 1/4" = 1'-0"



2 ENLARGED QUAD B RR 51 - PLUMBING
SCALE: 1/4" = 1'-0"



3 ENLARGED QUAD B RR 144 - PLUMBING
SCALE: 1/4" = 1'-0"

SHEET NOTES:

1. PROVIDE ALL FLEXIBLE CONNECTIONS, SUPPLIES AND STOPS AT FIXTURES.
2. PROVIDE CLEANOUT AT SINKS, LAVATORIES AND URINALS PER 2016 CPC CODE.
3. PROVIDE SUPPORT FOR LAVATORIES PER **4/PB.01**.
 1HR CORRIDOR WALL, FOR PIPING PENETRATION SEE DETAILS ON **A10.02**.
 1HR OCCUPANCY SEPARATION WALL, FOR PIPING PENETRATION SEE DETAILS ON **A10.02**.

KEYED NOTES:

- 1 CONTRACTOR TO ENSURE THAT SANITARY SEWER SHALL CONNECT TO EXISTING PIPING AT POINT INDICATED AND PROVIDE NO LESS THAN 1/4" PER FOOT OF SLOPE IN DIRECTION OF DRAINAGE.
- 2 2" VTR PER DETAIL **1/PB.01**.
- 3 3" VTR PER DETAIL **1/PB.01**.
- 4 PROVIDE NEW PLUMBING FIXTURE **S-1** AND CONNECT (N) 1-1/2" WASTE, 1-1/2" VENT AND 1/2" COLD WATER TO (E) PLUMBING UTILITIES.
- 5 VENT PIPING TO ROUTE LATERALLY UNDER WINDOW BEFORE JOINING VENTS SERVING OTHER FIXTURE ABOVE FLOOR RIM OF ALL FIXTURES SERVED.

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PROJECT
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GRASS VALLEY SCHOOL DISTRICT

CONSULTANT

PETERS consulting mechanical and electrical engineers
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job no. 19.004

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PLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

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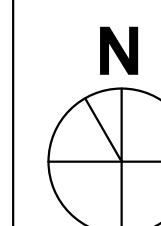
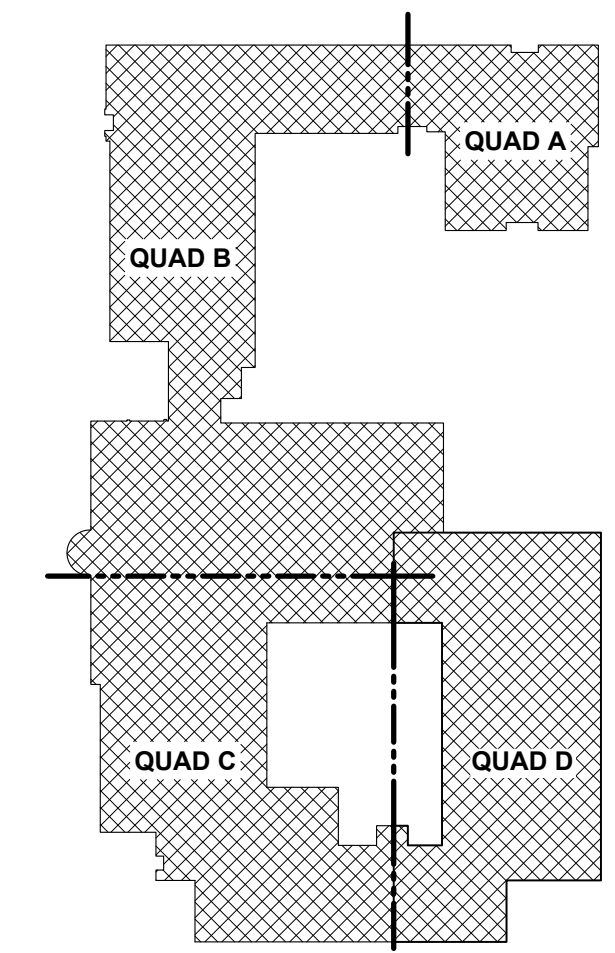
MILESTONES

SD
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50% CD
90% CD
DSA SUB 01/18/2019

SHEET
ENLARGED PLUMBING PLANS

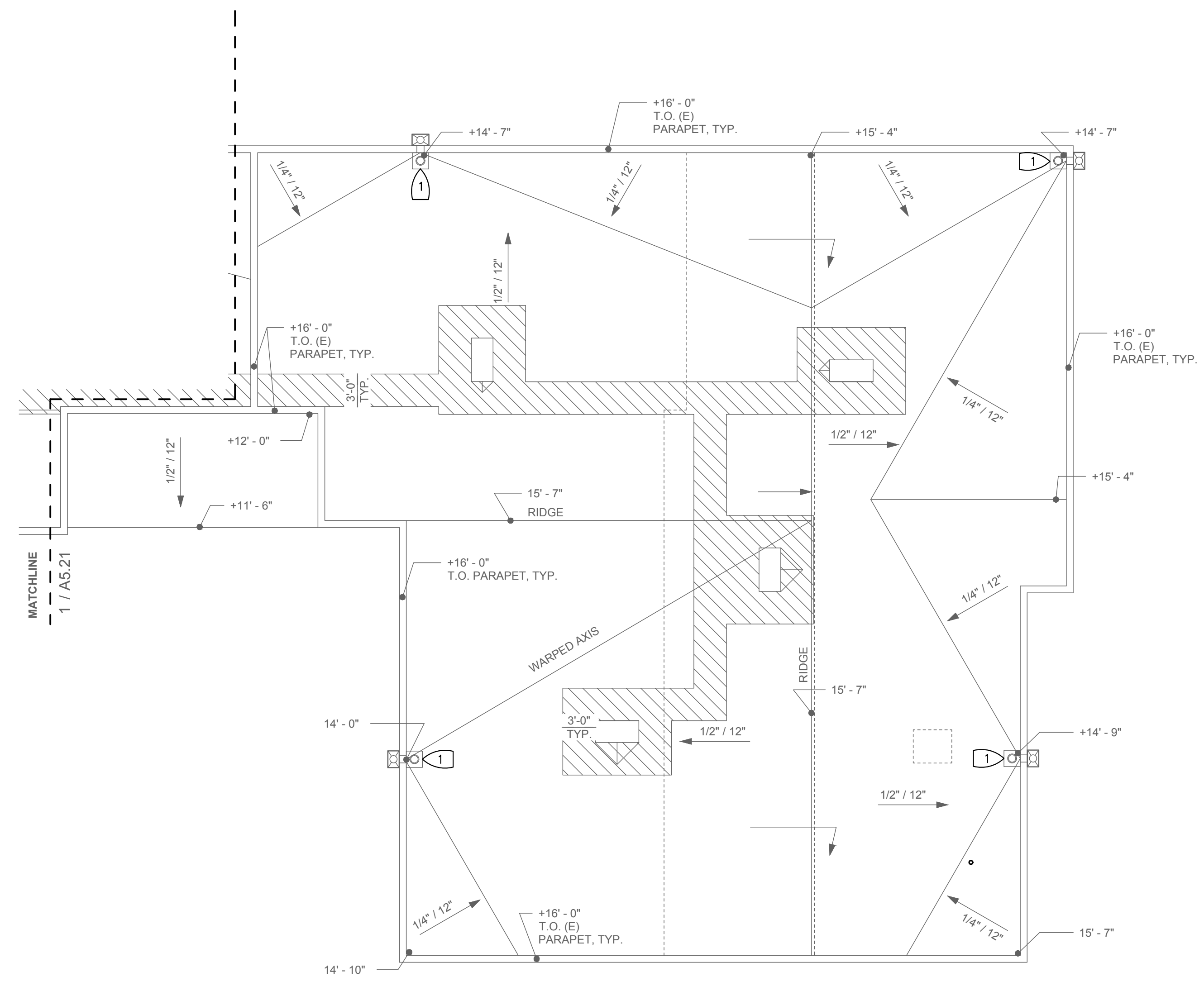
DATE 04/08/2019
JOB # 2018044.00
SHEET #

P3.51

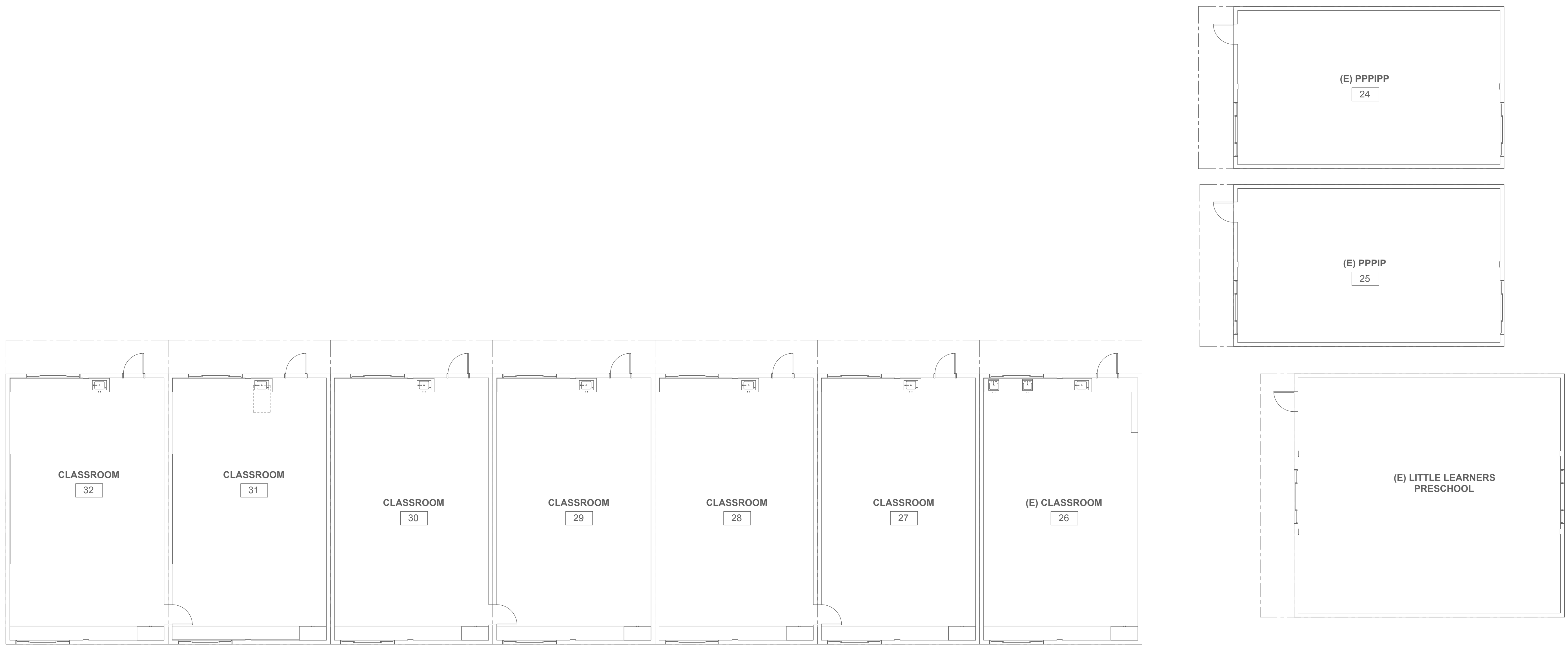


PORTABLES

PORTABLES (NO WORK)



1 ROOF PLAN - QUAD A
SCALE: 1/8" = 1'-0"



2 ROOF PLAN - PORTABLES
SCALE: 1/8" = 1'-0"

SHEET NOTES:
1. CONTRACTOR TO REPLACE ALL VENT THROUGH ROOF PIPING, SEAL PER DETAIL 1/P8.01. CONTRACTOR TO VERIFY LOCATION AND QUANTITY PRIOR TO STARTING WORK.

KEYED NOTES:
1. PROVIDE NEW **BD-1** TO REPLACE EXISTING ROOF DRAIN. SIZE PER EXISTING ROOF DRAIN, AND CONNECT TO EXISTING RAINWATER LEADER BELOW ROOF. PER **7/P8.01**.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2019

aedis architects
www.aedisarchitects.com
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fax: (408)-300-5121

PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

GRASS VALLEY SCHOOL DISTRICT
CONSULTANT
PETERS consulting mechanical and electrical engineers
2411 Alhambra Blvd, Ste. 100
Sacramento, CA 95817
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job no. 19.004

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PLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER 29-11
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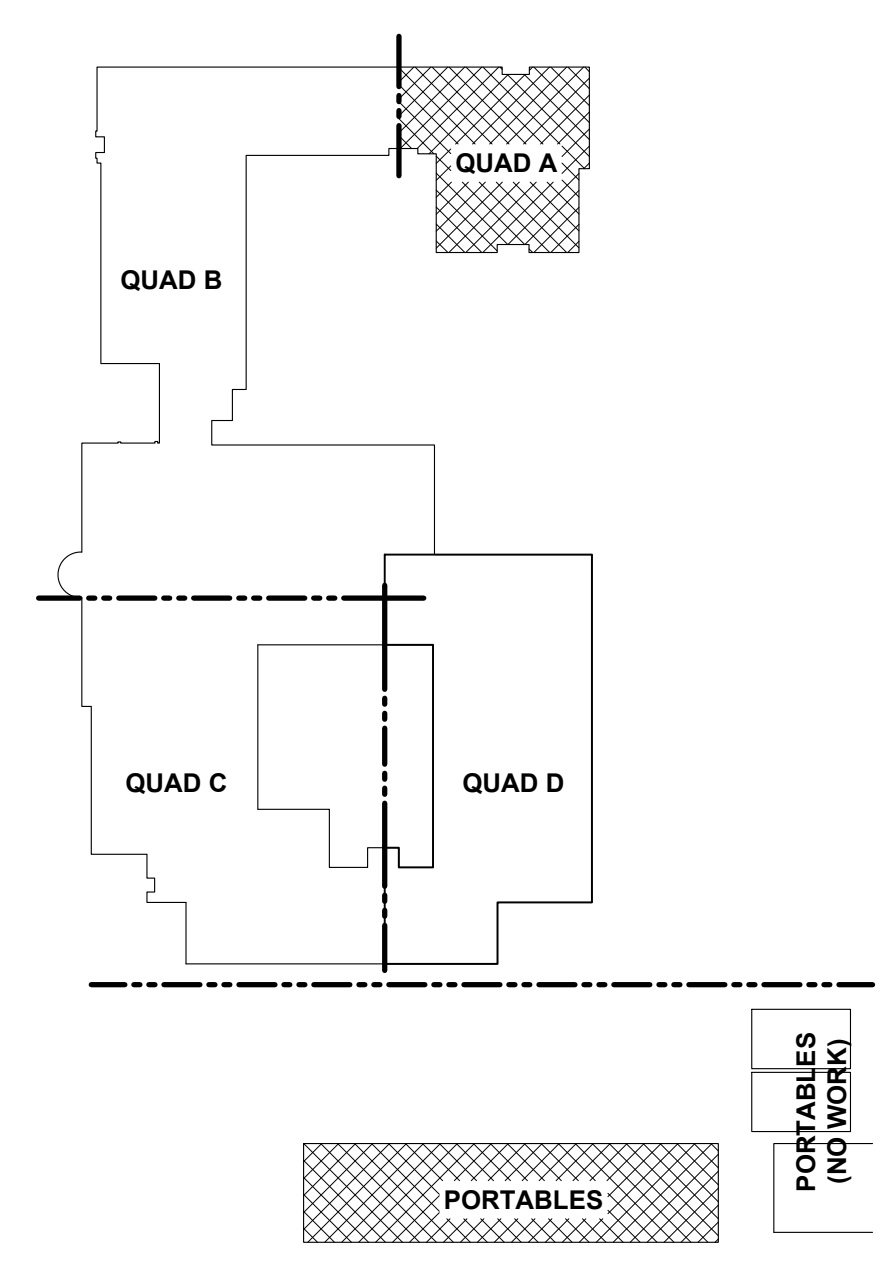
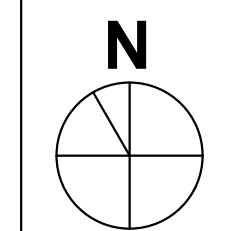
REVISIONS

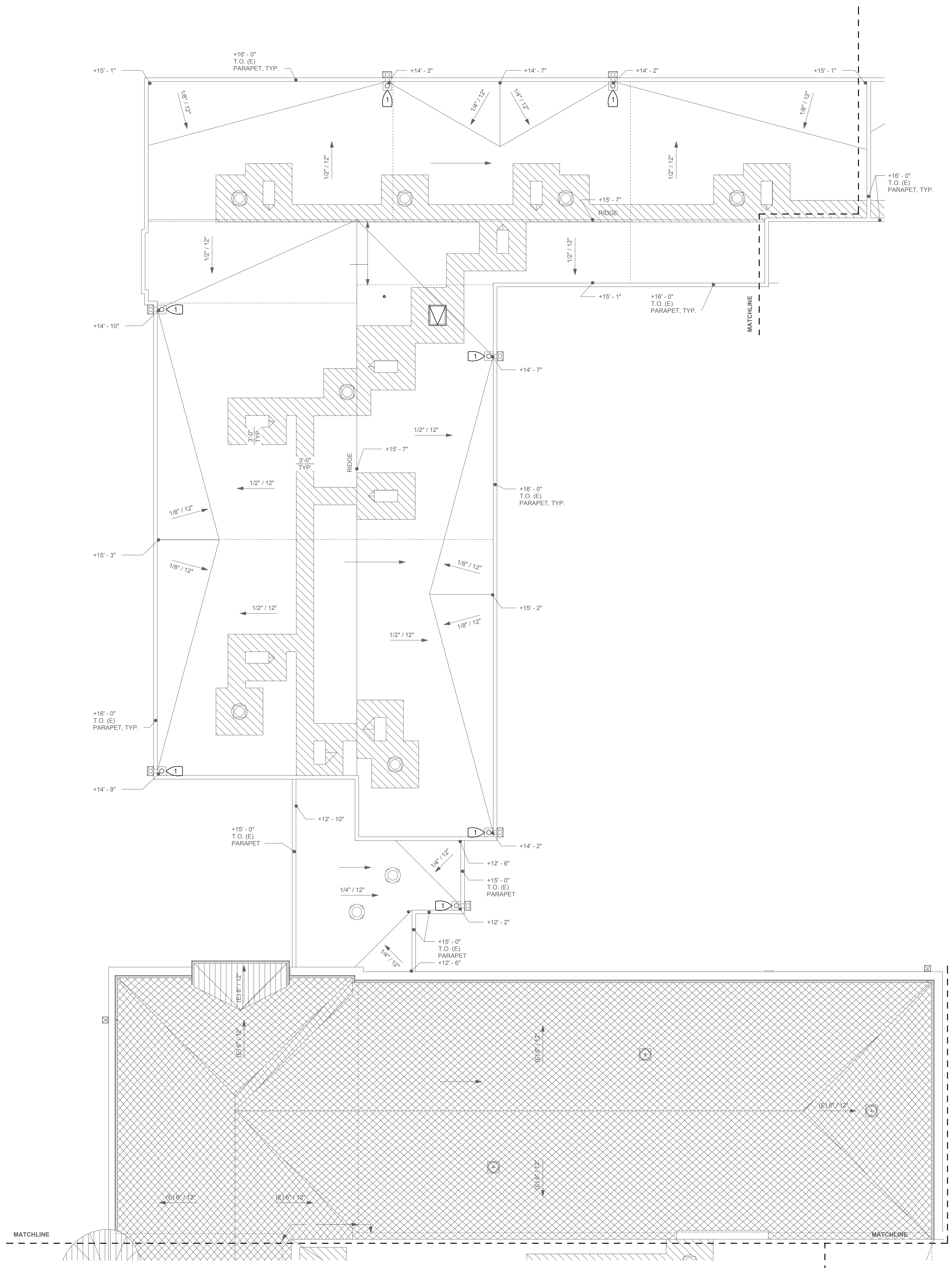
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MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

SHEET
ROOF PLANS - QUAD A & PORTABLES

DATE 04/08/2019
JOB # 2018044.00
SHEET # **P5.11**





1 ROOF PLAN - QUAD B
SCALE: 1/8" = 1'-0"

SHEET NOTES:
1. CONTRACTOR TO REPLACE ALL VENT THROUGH ROOF PIPING, SEAL PER DETAIL 1/P8.01

KEYED NOTES:
1. PROVIDE NEW RO-1 TO REPLACE EXISTING ROOF DRAIN. SIZE PER EXISTING ROOF DRAIN, AND CONNECT TO EXISTING RAINWATER LEADER BELOW ROOF. PER 7/P8.01

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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

GRASS VALLEY SCHOOL DISTRICT

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STAMP
REGISTERED PROFESSIONAL ARCHITECT
SEAN R. TIFORD
M31176
EXP. 12/31/19
STATE OF CALIFORNIA
PLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

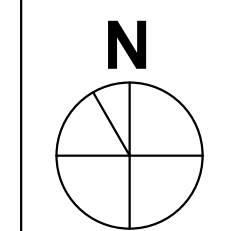
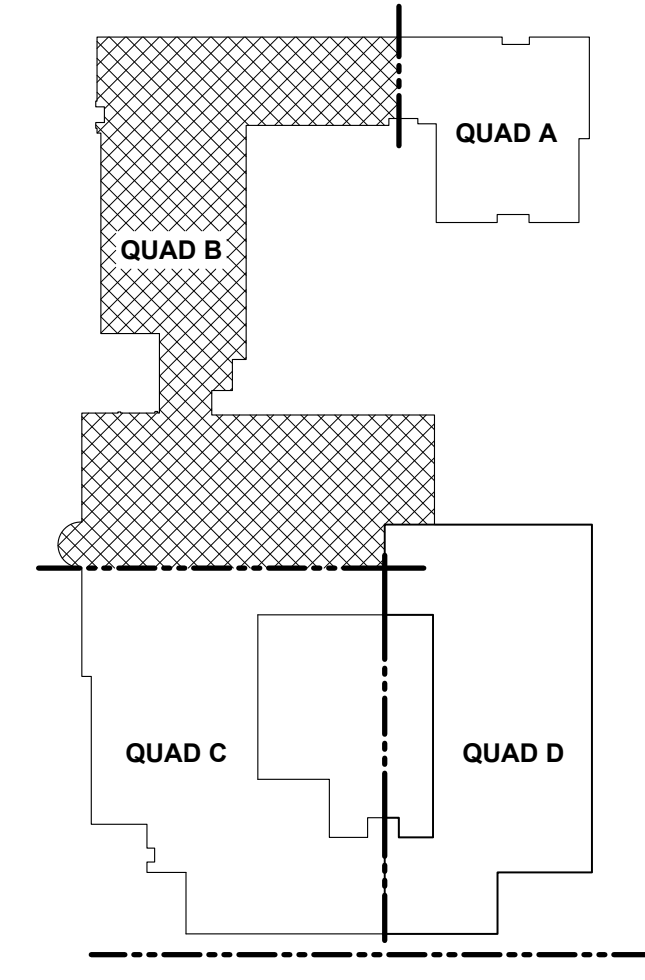
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No. Description Date

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DSA SUB 01/18/2019

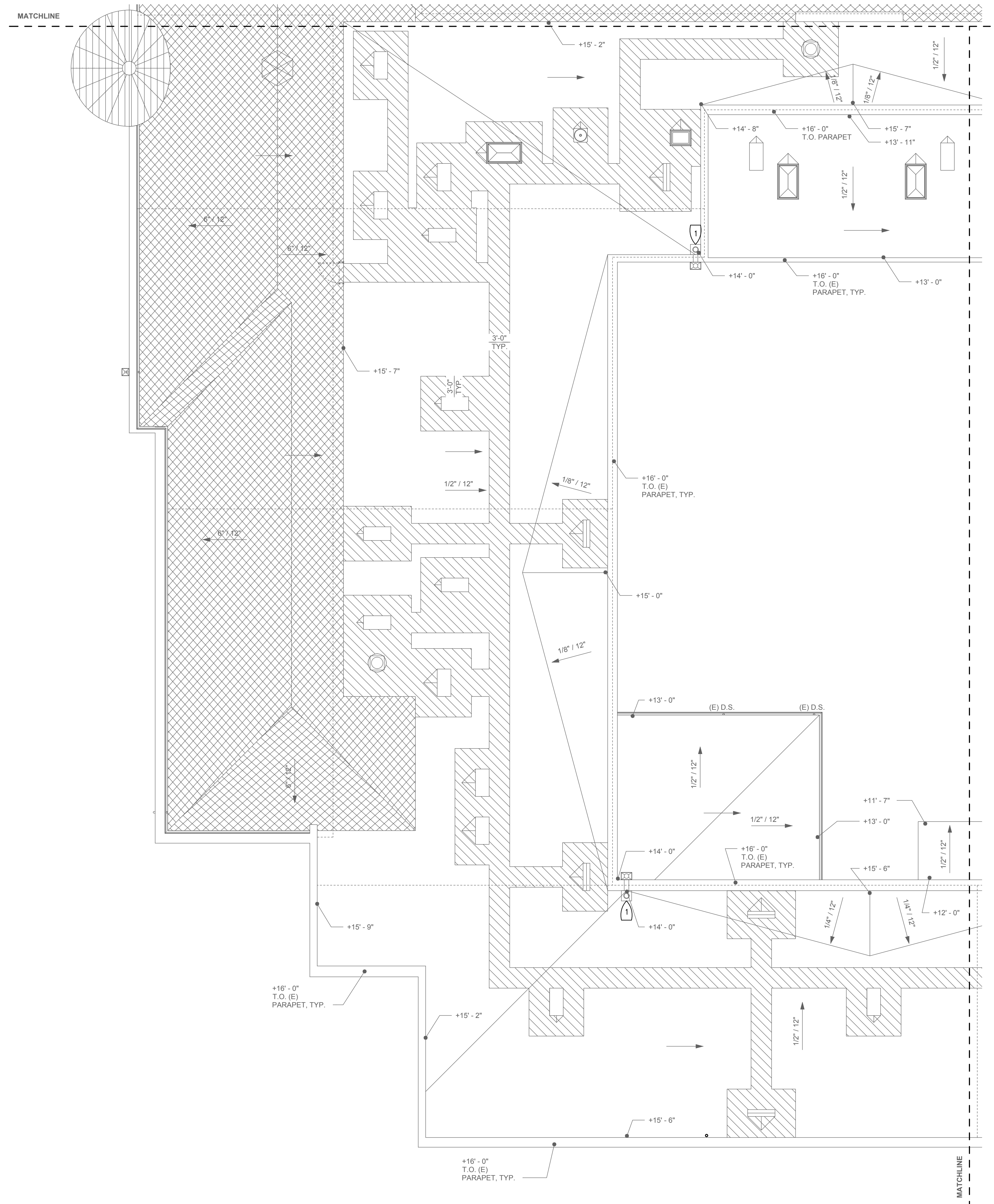
SHEET
ROOF PLAN - QUAD B

DATE 04/08/2019
JOB # 2018044.00

SHEET #
P5.21



PORTABLES
(NO WORK)



1 ROOF PLAN - QUAD C
SCALE: 1/8" = 1'-0"

SHEET NOTES:
1. CONTRACTOR TO REPLACE ALL VENT THROUGH ROOF PIPING, SEAL PER DETAIL **1/28.01**.

KEYED NOTES:
1. PROVIDE NEW **RD-1** TO REPLACE EXISTING ROOF DRAIN. SIZE PER EXISTING ROOF DRAIN, AND CONNECT TO EXISTING RAINWATER LEADER BELOW ROOF. PER **7/28.01**.

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DATE: 05/03/2019

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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019

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M31176
EXP. 12/31/19
STATE OF CALIFORNIA
PLOT DATE: 5/2/2019

STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

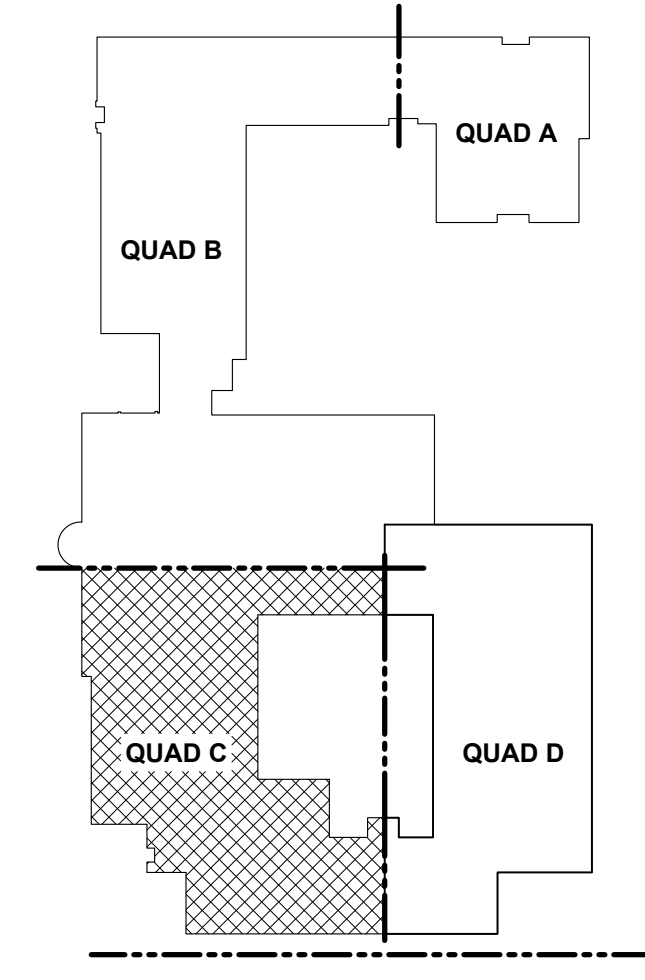
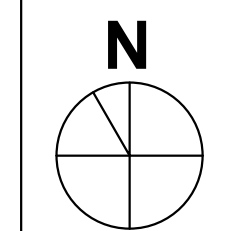
REVISIONS
No. Description Date
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MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

SHEET
ROOF PLAN - QUAD C

DATE 04/08/2019
JOB # 2018044.00

SHEET # **P5.31**



PORTABLES
(NO WORK)

SHEET NOTES:
 1. CONTRACTOR TO REPLACE ALL VENT THROUGH ROOF PIPING, SEAL PER DETAIL 1/P8.01.

KEYED NOTES:
 1. PROVIDE NEW RD-1 TO REPLACE EXISTING ROOF DRAIN, SIZE PER EXISTING ROOF DRAIN, AND CONNECT TO EXISTING RAINWATER LEADER BELOW ROOF, PER 7/P8.01.

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PROJECT
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GRASS VALLEY SCHOOL DISTRICT

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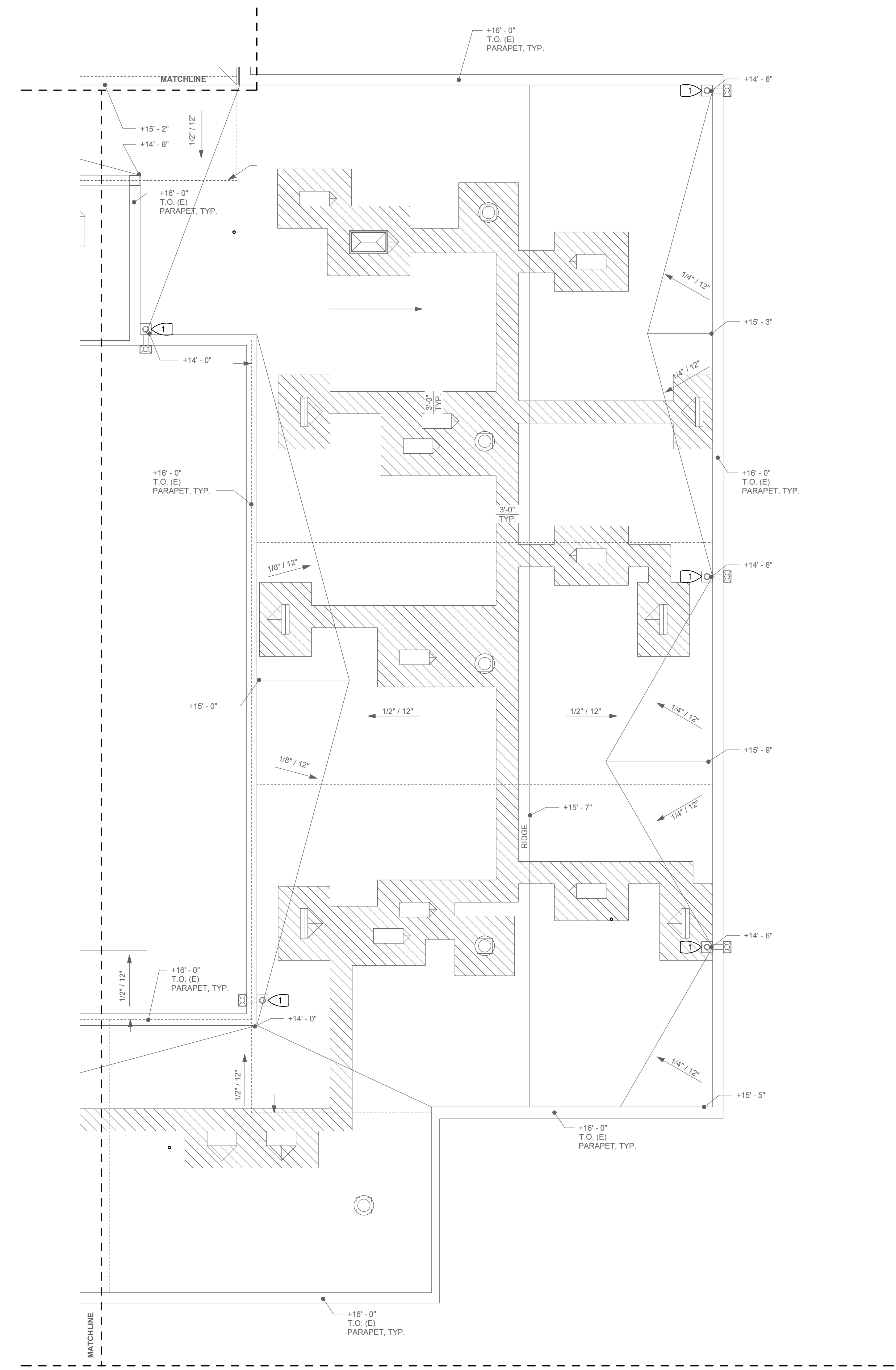
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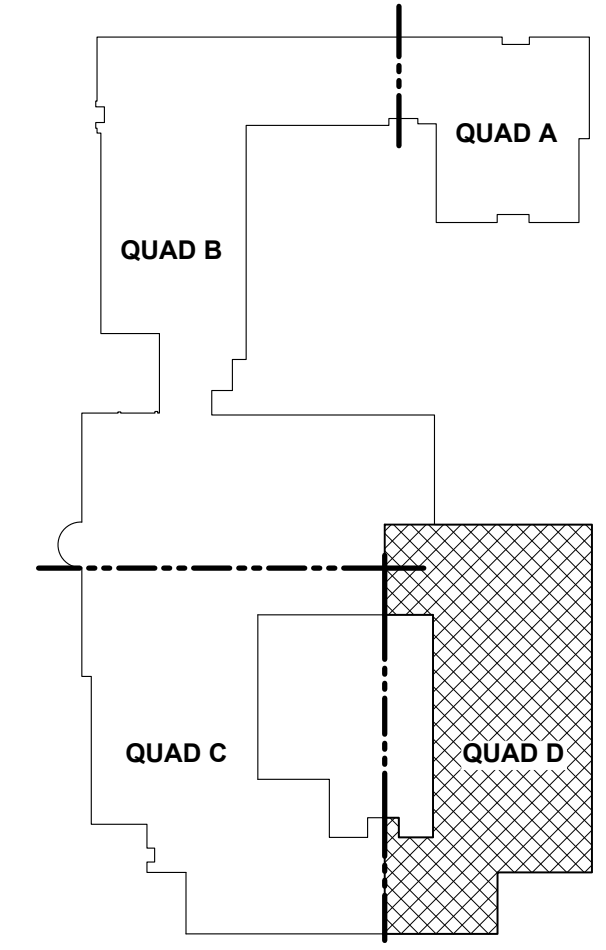
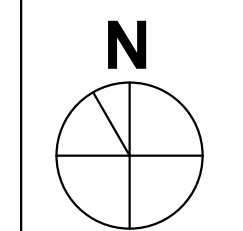
MILESTONES
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 90% CD
 DSA SUB 01/18/2019

SHEET
ROOF PLAN - QUAD D

DATE 04/08/2019
 JOB # 2018044.00
 SHEET # **P5.41**

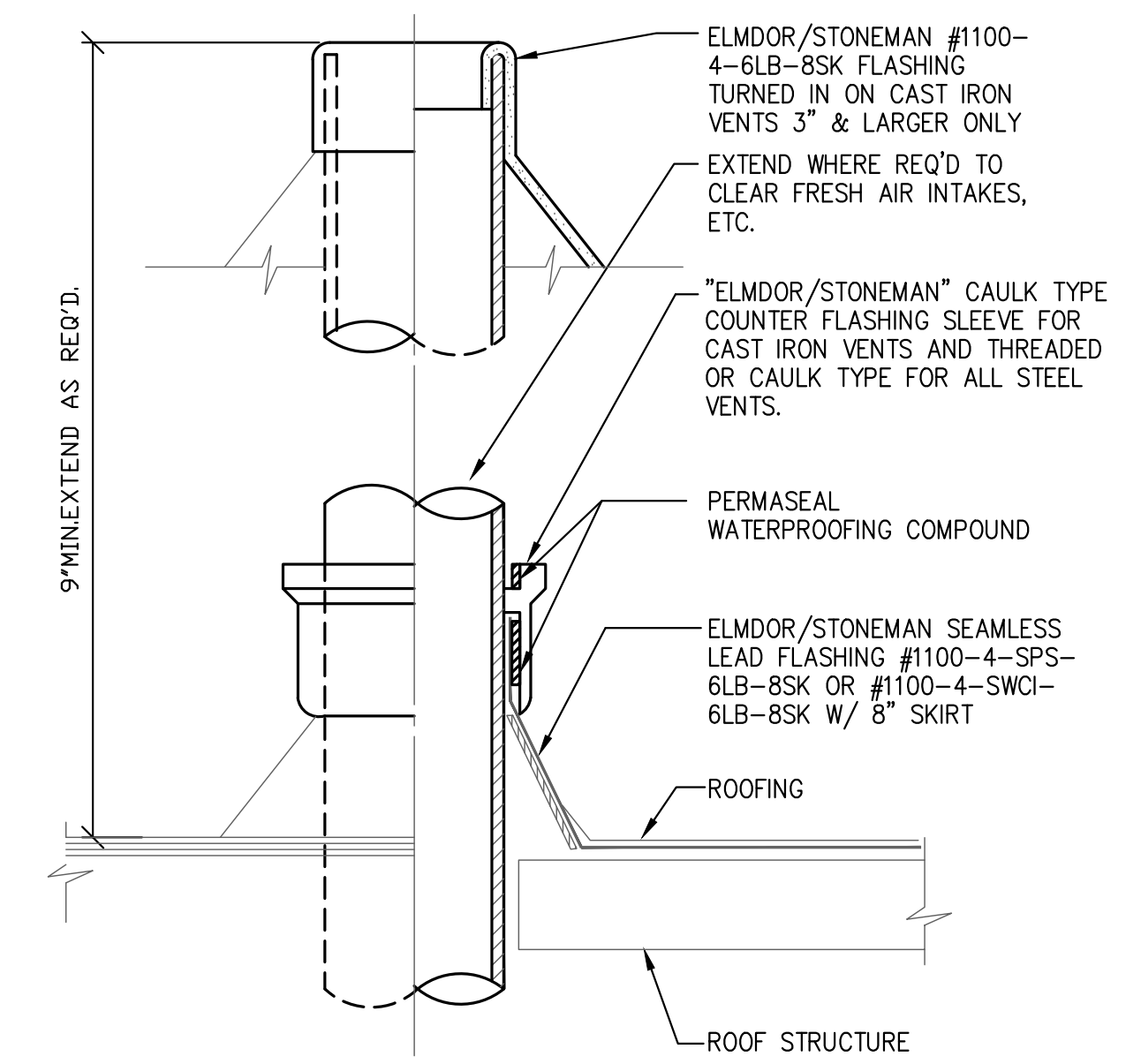


1 ROOF PLAN - QUAD D
 SCALE: 1/8" = 1'-0"

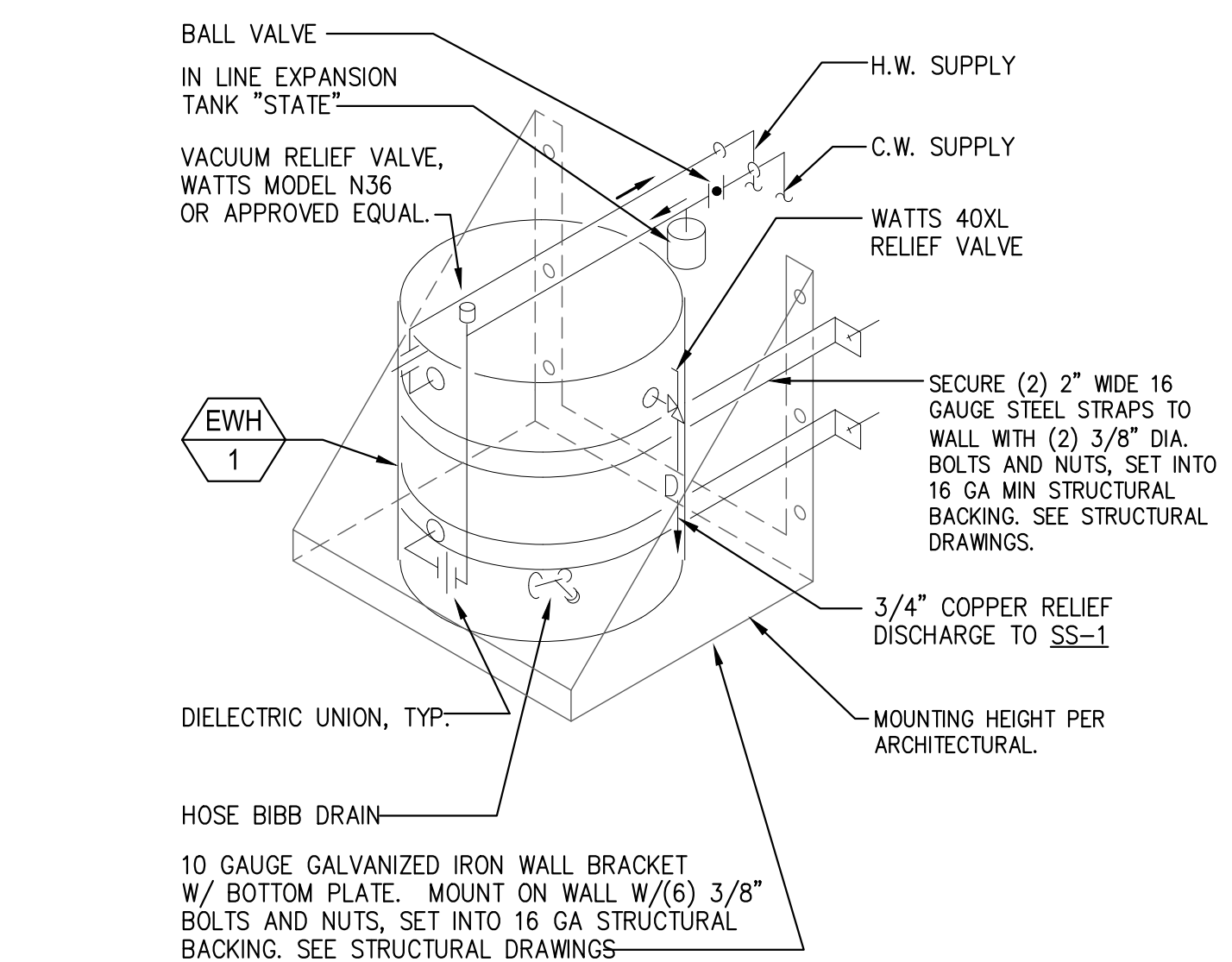


PORTABLES

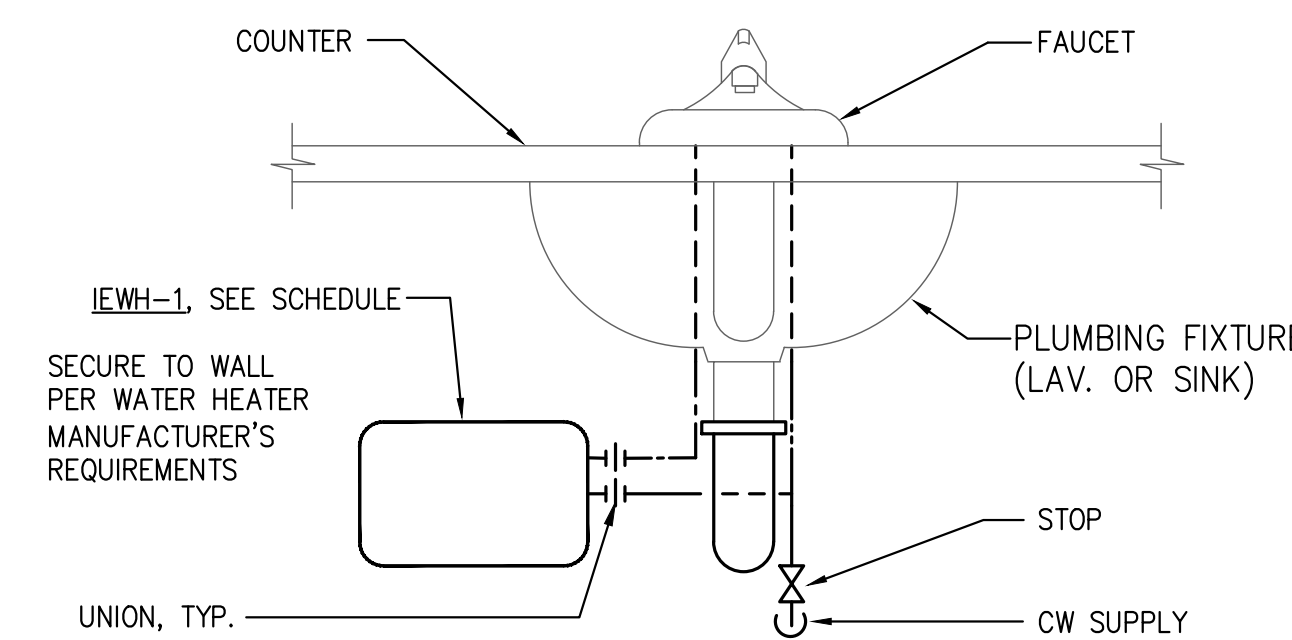
PORTABLES (NO WORK)



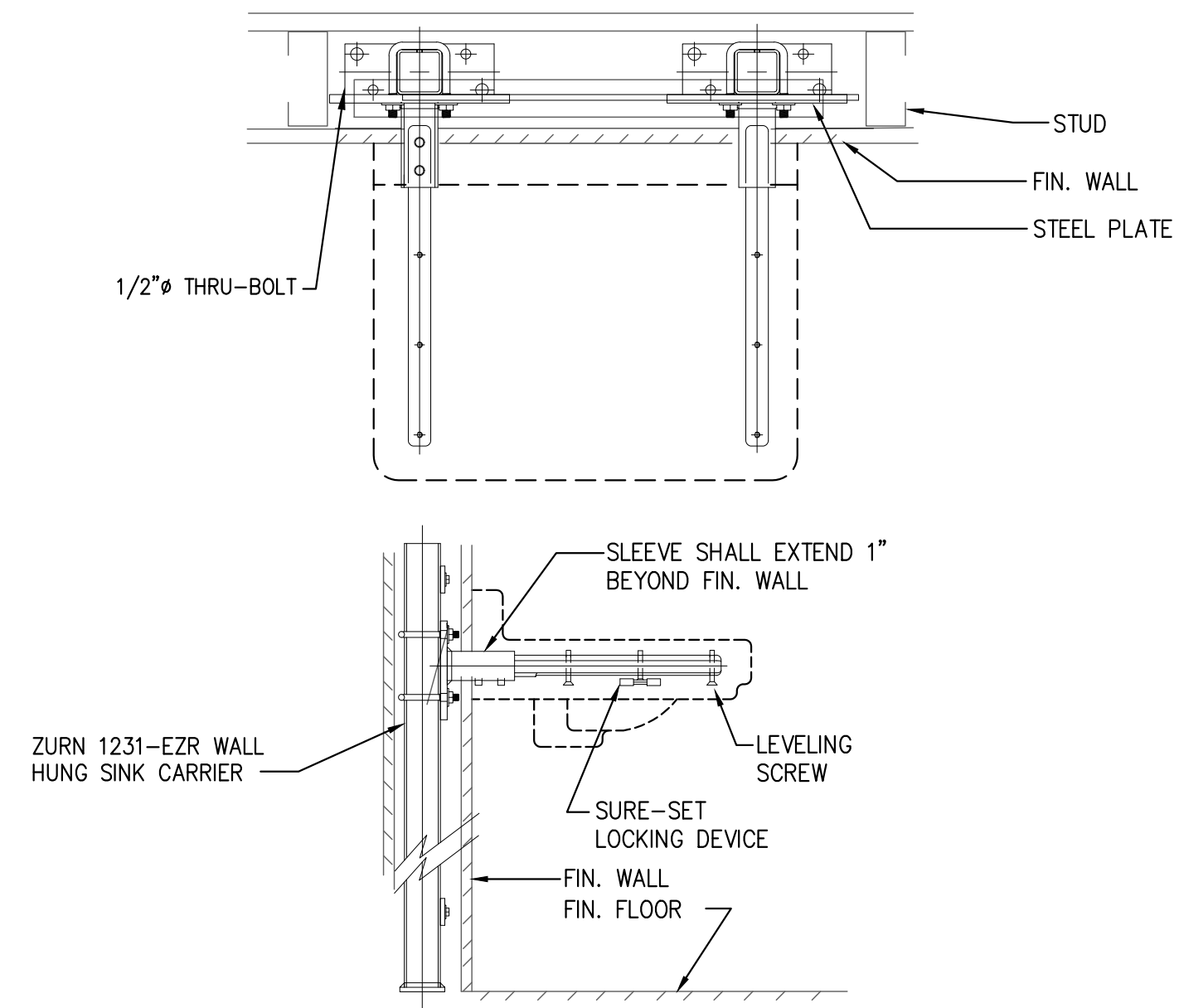
1 VENT THRU ROOF DETAIL
 P8.01 SCALE: NONE



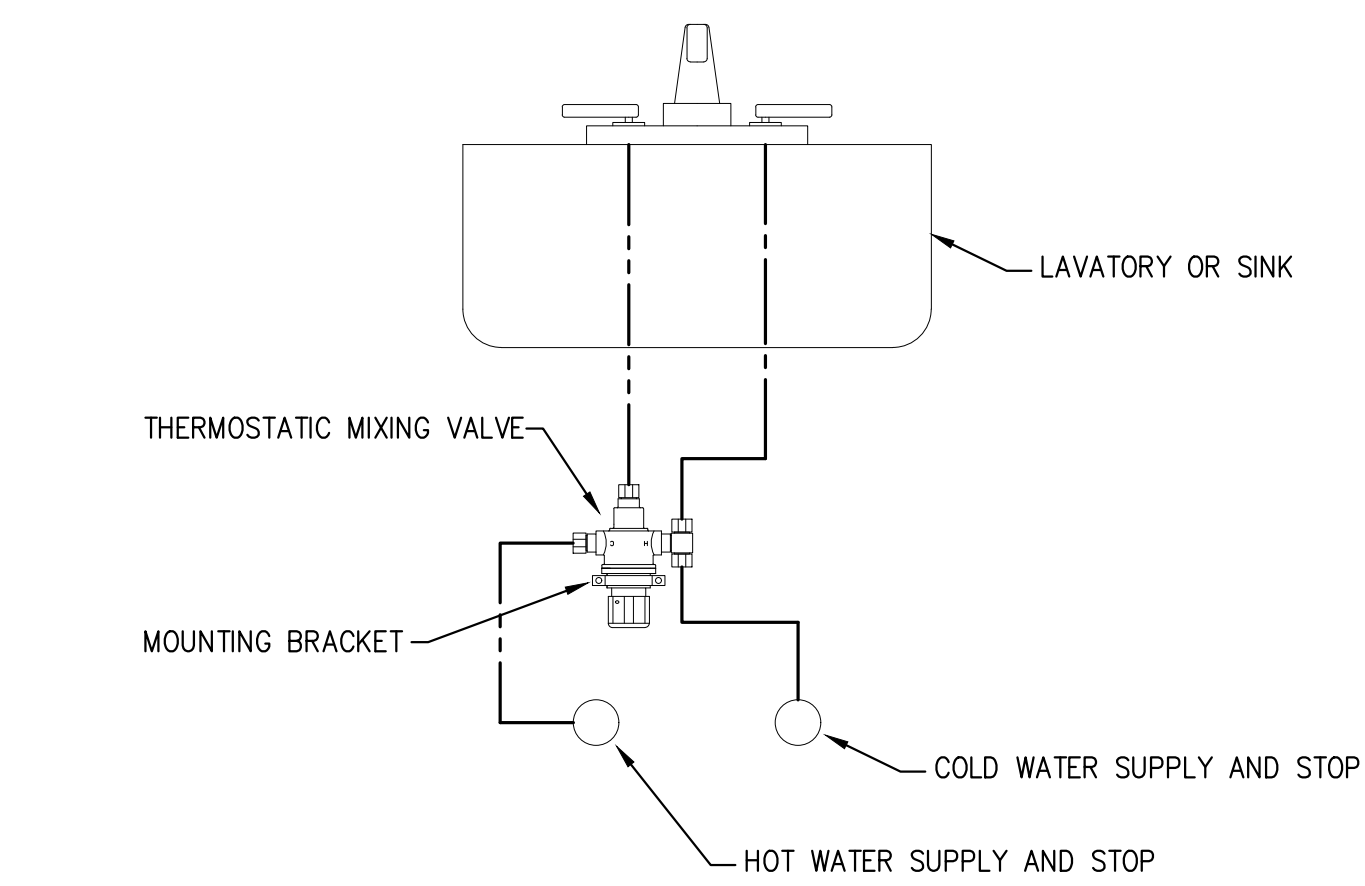
2 WATER HEATER ON SHELF
 P8.01 SCALE: NONE



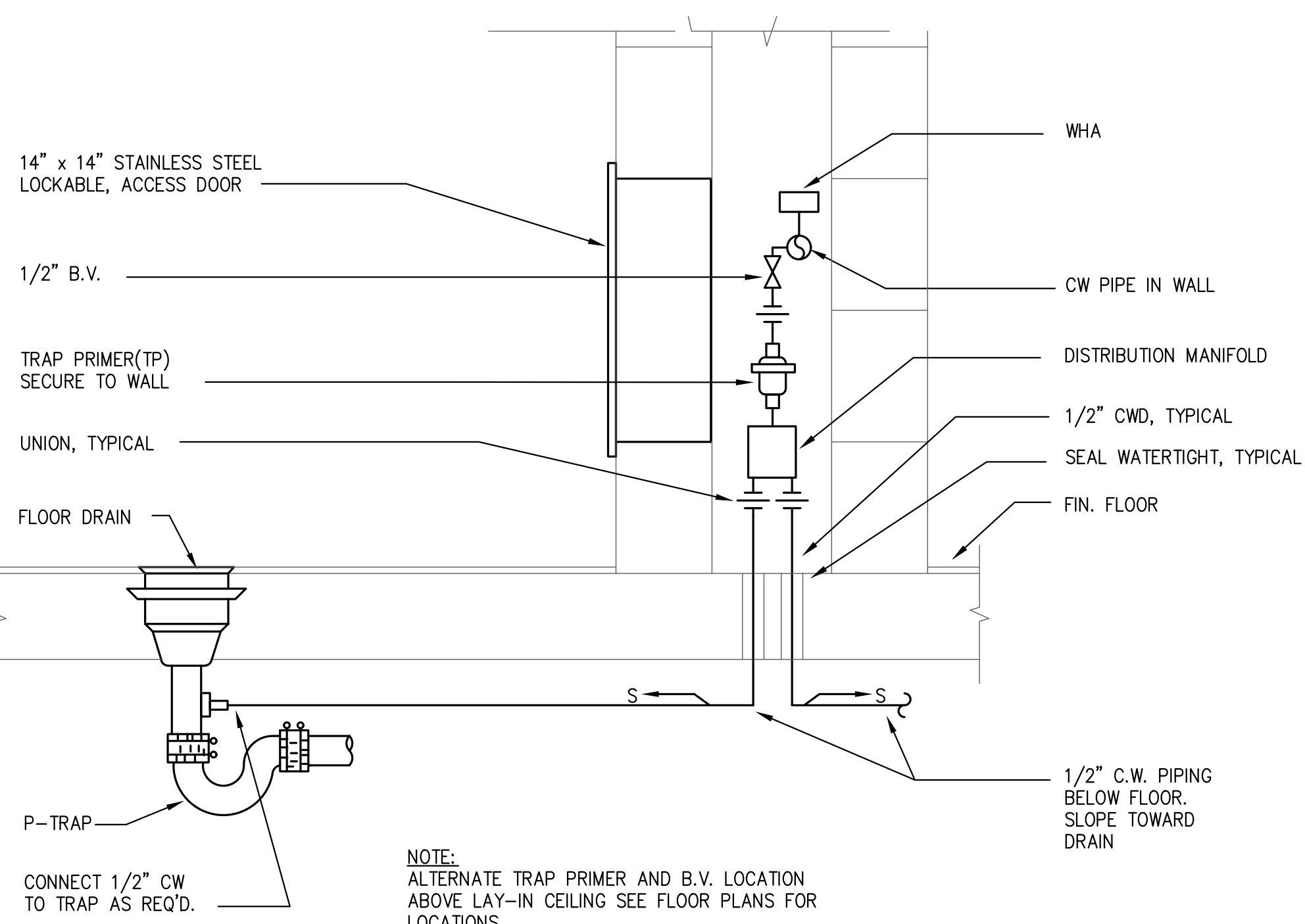
3 INSTANTANEOUS WATER HEATER DETAIL
 P8.01 SCALE: NONE



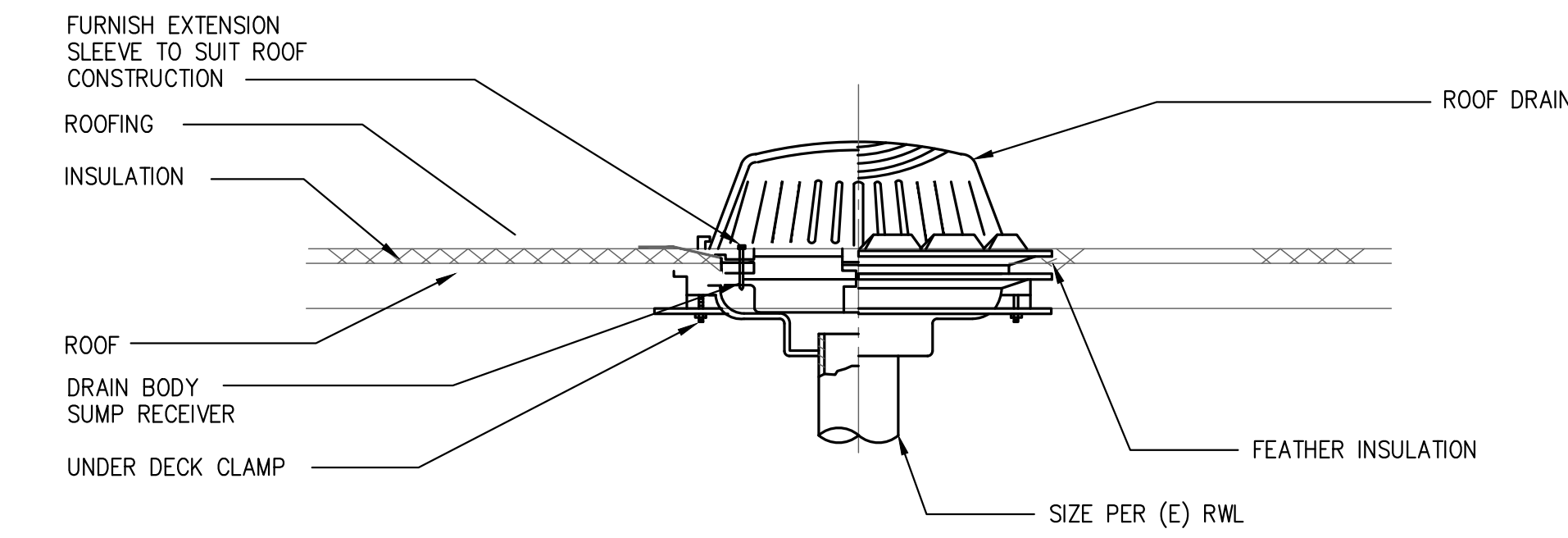
4 LAVATORY FIXTURE SUPPORT DETAIL
 P8.01 SCALE: NONE



5 THERMOSTATIC MIXING VALVE DETAIL
 P8.01 SCALE: NONE



6 TRAP PRIMER/WATER HAMMER ARRESTOR DETAIL
 P8.01 SCALE: NONE



7 ROOF DRAIN DETAIL
 P8.01 SCALE: NONE

ABBREVIATIONS			
1PH, 3PH 1P, 2P, 3P 3W, 4W (D) (E) (ER) (N) (R)	1 PHASE, 3 PHASE 1 POLE, 2 POLE, 3 POLE 3 WIRE, 4 WIRE DEMO, DEMOLISH EXISTING ONLY EXISTING RELOCATED NEW RELOCATE	MCA MCB MCC MLO MOCP MT	-M- MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN LUGS ONLY MAXIMUM OVER-CURRENT PROTECTION EMPTY CONDUIT W/ PULL-LINE
A, AMPS AC AF AFF AIC	-A- AMPERES ALTERNATING CURRENT FRAME RATING IN AMPERES ABOVE FINISHED FLOOR AMPERES INTERRUPTING CAPACITY	NC NCTC NEC NEMA	-N- NORMALLY CLOSED NURSE CALL TERMINAL CABINET NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NOT INCLUDED IN ELECTRICAL SCOPE
AL, ALUM ATS AT AWG	ALUMINUM AUTO TRANSFER SWITCH TRIP RATING IN AMPERES AMERICAN WIRE GAUGE	NIES NL NO NTS	NIGHT LIGHT NORMALLY OPEN NOT TO SCALE
BTR	-B- BUILDING TELECOM ROOM	OCP OFCI	OVER-CURRENT PROTECTION OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED
C CB,C/B CEC CT CU	-C- CONDUIT CIRCUIT BREAKER CALIFORNIA ELECTRICAL CODE CURRENT TRANSFORMER COPPER	OFOI PT PVC	POTENTIAL TRANSFORMER POLYVINYL CHLORIDE CONDUIT
DC	-D- DIRECT CURRENT	RLA RSC	RUNNING LOAD AMP RIGID STEEL CONDUIT
EA ELEC EMT	-E- EACH ELECTRICAL ELECTRICAL METALLIC TUBING	SPD SPDT SPST SST	-S- SURGE PROTECTION DEVICE SINGLE POLE DOUBLE THROW SINGLE POLE SINGLE THROW SOLID STATE TRIP
FA FACP FATC FCPS FLA FT	-F- FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FA REMOTE POWER SUPPLY FULL LOAD AMPS FOOT OR FEET	TER TR TM TTB	-T- TELECOM EQUIPMENT ROOM TELECOM ROOM THERMAL MAGNETIC TERMINAL BACKBOARD
G, GND GA GFCI	-G- GROUND GAUGE GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT INTERRUPTER	UG UL UON UPS	-U- UNDERGROUND UNDERWRITERS LAB, UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
HOA HP	-H- HAND-OFF-AUTO HAND-OVER-AUTO	V VAB VAC	-V- VOLTS VOLT-AMPS VOICE AUDIO BOOSTER VOLTS ALTERNATE CURRENT
J-BOX	-J- JUNCTION BOX	W WP	-W- WATTS WEATHERPROOF
KVA KW	-K- ONE THOUSAND VOLT-AMPS ONE THOUSAND WATTS	XFMR XFER	-X- TRANSFORMER TRANSFER SWITCH
LCP LTG	-L- LIGHTING CONTROL PANEL LIGHTING		

ELECT. DIST. SYSTEM BRACING NOTE	
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, 15.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS 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.	
ELECTRICAL DISTRIBUTION SYSTEMS (E):	
E []	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
E [■]	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #0052-13.
E []	OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHEMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVE 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.

ELECT. COMPONENT ANCHORAGE NOTE	
ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTION 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTERS 13, 26 AND 30.	
<ol style="list-style-type: none"> ALL PERMANENT EQUIPMENT AND COMPONENTS. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHEMENTS. 	
THE FOLLOWING ELECTRICAL SHALL BE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.	
<ol style="list-style-type: none"> COMPONENTS WEIGHTING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DRIRECTLY SUPPORT THE COMPONENT. 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 THE ABOVE REQUIREMENTS.	

SHEET INDEX	
SHEET	DESCRIPTION
E0.01	ABBREVIATIONS, SYMBOLS & SHEET INDEX
E0.02	FIRE ALARM SYMBOLS & NOTES
E0.03	SCHEDULE & DETAILS
E2.00	NEW SITE PLAN
E2.10	SITE RISER DIAGRAM - FIRE ALARM & DETAILS
E3.11	FIRE ALARM FLOOR PLAN - QUAD A & PORTABLES
E3.21	FIRE ALARM FLOOR PLAN - QUAD B
E3.31	FIRE ALARM FLOOR PLAN - QUAD C
E3.41	FIRE ALARM FLOOR PLAN - QUAD D
E4.11	ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD A & PORTABLES
E4.21	ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD B
E4.31	ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD C
E4.41	ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD D
E5.11	BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD A
E5.21	BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD B
E5.31	BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD C
E5.41	BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD D
E6.01	PARTIAL FLOOR PLANS
E7.01	FIRE ALARM RISER DIAGRAM - QUAD A, QUAD B, & PORTABLES
E7.02	FIRE ALARM RISER DIAGRAM - QUAD C & QUAD D
E8.01	FIRE ALARM CALCULATIONS
E8.02	FIRE ALARM CALCULATIONS
E9.01	LIGHTING DIAGRAMS

LIGHTING SYMBOLS	
SYMBOL	DESCRIPTION
	SURFACE MOUNTED LUMINAIRE.
	SURFACE MOUNTED LUMINAIRE.
	WALL MOUNTED LUMINAIRE.
	LUMINAIRE TAG, LETTER INDICATES TYPE, SEE LUMINAIRE SCHEDULE.
SUBSCRIPTS	DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING:
T	T = THERMAL OVERLOAD PROTECTED
WP	WP = WEATHER PROOF
PC1	PC1 = FIXTURE CONTROLLED BY PHOTOCELL PC1
PC2	PC2 = FIXTURE CONTROLLED BY PHOTOCELL PC2
S	HEAVY DUTY SINGLE POLE TOGGLE SWITCH, MOUNTED +48" AFF TO TOP OF BOX, COLOR TO MATCH EXISTING.
	AUTOMATIC "ON", CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
	LIGHTING ROOM CONTROLLER ABOVE CEILING, 1 RELAY ROOM CONTROLLER W/ 0-10V DIMMING.
	LIGHTING ROOM CONTROLLER ABOVE CEILING, 2 RELAY ROOM CONTROLLER W/ 0-10V DIMMING.
	DIMMING CONTROL, WALL MOUNTED +48" AFF TO TOP OF BOX, STUB 1" CONDUIT INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATED BUSHING.
	AUTOMATIC "ON/OFF" DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MOUNTED +48" AFF TO TOP OF BOX, STUB 1" CONDUIT INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATED BUSHING.

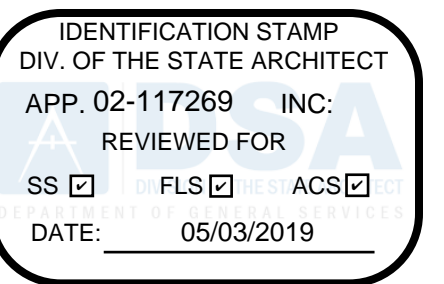
STANDARD ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	CALCULATED AVAILABLE SHORT-CIRCUIT CURRENT.
	FEEDER TAG, SEE FEEDER SCHEDULE.
	EQUIPMENT DESIGNATION.
	NUMBERED NOTE.
	TRANSFORMER.
	UTILITY METER.
	CIRCUIT BREAKER.
	DISCONNECT SWITCH.

RACEWAY SYMBOLS	
SYMBOL	DESCRIPTION
	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
	EXISTING CONDUIT RUN TO BE ABANDONED. CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED. CONDUCTORS SHALL BE REMOVED.
	EXISTING CONDUIT RUN, VERIFY ROUTING IN FIELD.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.
	FLEX CONDUIT.
	INDICATES RACEWAY STUB, TERMINATE W/ BUSHING OR CAP IF UNDERGROUND.
	SURFACE MOUNTED RACEWAY, WIREMOLD 2400 SERIES, ANSI #61 GRAY, 20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE IN TWO GANG BOX WITH SINGLE GANG PLATE. <u>PLUGMOLD 2400 SERIES.</u>
	SURFACE METALLIC RACEWAY, MOUNTED +44" ABOVE FINISHED FLOOR TO CENTER OF DEVICE. PROVIDE SECTIONS, COVERS, ELBOWS AND ALL NECESSARY HARDWARE FOR A COMPLETE INSTALL. <u>PLUGMOLD 2000 SERIES W/ #WH20GB18 DEVICE</u>

WIRING DEVICE SYMBOLS	
SYMBOL	DESCRIPTION
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE, COMMERCIAL GRADE, MOUNTED +15" AFF TO BOTTOM OF BOX. LEVITON #16352-1, PASS & SEYMOUR #26352-1, OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE, COMMERCIAL GRADE, ISOLATED GROUND WITH SURGE SUPPRESSION, MOUNTED +15" AFF TO BOTTOM OF BOX. LEVITON #5380-IGI, HUBBELL #G5362ISA, OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE, COMMERCIAL GRADE, MOUNTED +15" AFF TO BOTTOM OF BOX. (2) LEVITON #16352-1, (2) PASS & SEYMOUR #26352-1, OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE, COMMERCIAL GRADE, ISOLATED GROUND WITH SURGE SUPPRESSION, MOUNTED +15" AFF TO BOTTOM OF BOX. (2) LEVITON #5380-IGI, (2) HBBELL #G5362ISA, OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W HALF-CONTROLLED PLUG LOAD DUPLEX RECEPTACLE, MOUNTED +15" AFF TO BOTTOM OF BOX. RECEPTACLE SHALL BE PERMANENTLY IDENTIFIED FOR HALF-CONTROLLED, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER, COMMERCIAL GRADE, TAMPER RESISTANT, MOUNTED +15" AFF TO BOTTOM OF BOX. LEVITON #GFTR2-HGI, PASS & SEYMOUR #2097TR OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	20 AMP 125V 3W DOUBLE DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER, INDUSTRIAL GRADE, TAMPER AND WEATHER RESISTANT, MOUNTED +15" AFF TO BOTTOM OF BOX. LEVITON #GFTR2-IGI, (2) PASS & SEYMOUR #2097TRI, OR APPROVED EQUAL, COLOR TO MATCH EXISTING.
	JUNCTION BOX, SIZE AND TYPE AS INDICATED OR REQUIRED.
SUBSCRIPTS	SUBSCRIPTS DESIGNATE THE FOLLOWING:
C	C = ABOVE COUNTER MOUNTED AT 44" TO TOP OF BOX.
IG	IG = ISOLATED GROUND
TP	TP = TAMPERPROOF
USB	USB = PROVIDE RECEPTACLE W/ DUAL USB CHARGING.
WP	WP = WEATHERPROOF
	SPECIAL RECEPTACLE, MOUNTED +15" AFF TO BOTTOM OF BOX. COORDINATE TYPE WITH EQUIPMENT TO BE SERVED.

POWER DISTRIBUTION SYMBOLS	
SYMBOL	DESCRIPTION
	NON FUSED DISCONNECT SWITCH. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH.
	FUSED DISCONNECT SWITCH WITH CLASS 'R' DUAL ELEMENT FUSES, SIZE TO SUIT EQUIPMENT NAME PLATE RATING. NUMBER ADJACENT INDICATES AMPERE RATING OF SWITCH.
	1-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH.
	2-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH.
	3-POLE 3-PHASE MOTOR RATED DISCONNECT SWITCH.
	DISTRIBUTION PANEL/MOTOR CONTROL CENTER.
	BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.
	BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED.
	TERMINAL CABINET, SURFACE MOUNTED, SIZE AND TYPE AS INDICATED.

SIGNAL SYSTEMS SYMBOLS	
SYMBOL	DESCRIPTION
	DATA OUTLET, 4 1/16" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE, MOUNTED +15" AFF TO BOTTOM OF BOX. STUB 1" CONDUIT INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATED BUSHING.
	WALL TELEPHONE OUTLET, MOUNTED +48" AFF.
SUBSCRIPTS	DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING:
#	# = QUANTITY OF JACKS IN EACH OUTLET. NO NUMBER INDICATES ONE JACK.



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PROJECT
**GRASS VALLEY
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MODERNIZATION
2019**



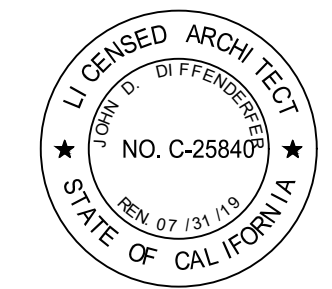
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GRASS VALLEY SCHOOL DISTRICT

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Project Number: E397
Contact: JEFF

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APPL.# 02-117269

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MILESTONES
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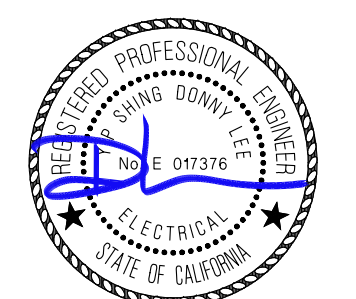
**ABBREVIATIONS,
SYMBOLS,
& SHEET INDEX**

DATE 04/08/2019

JOB # 2018044

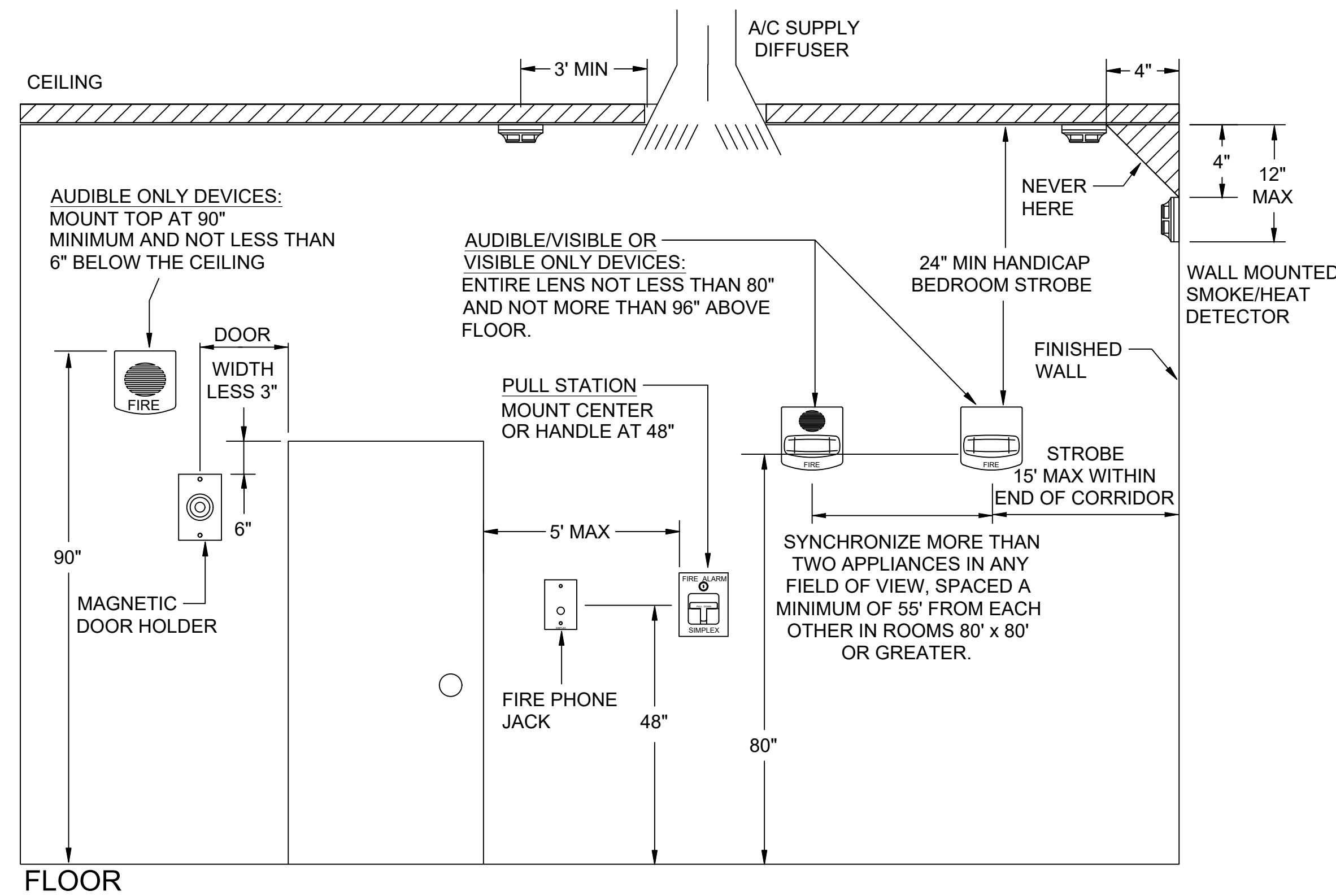
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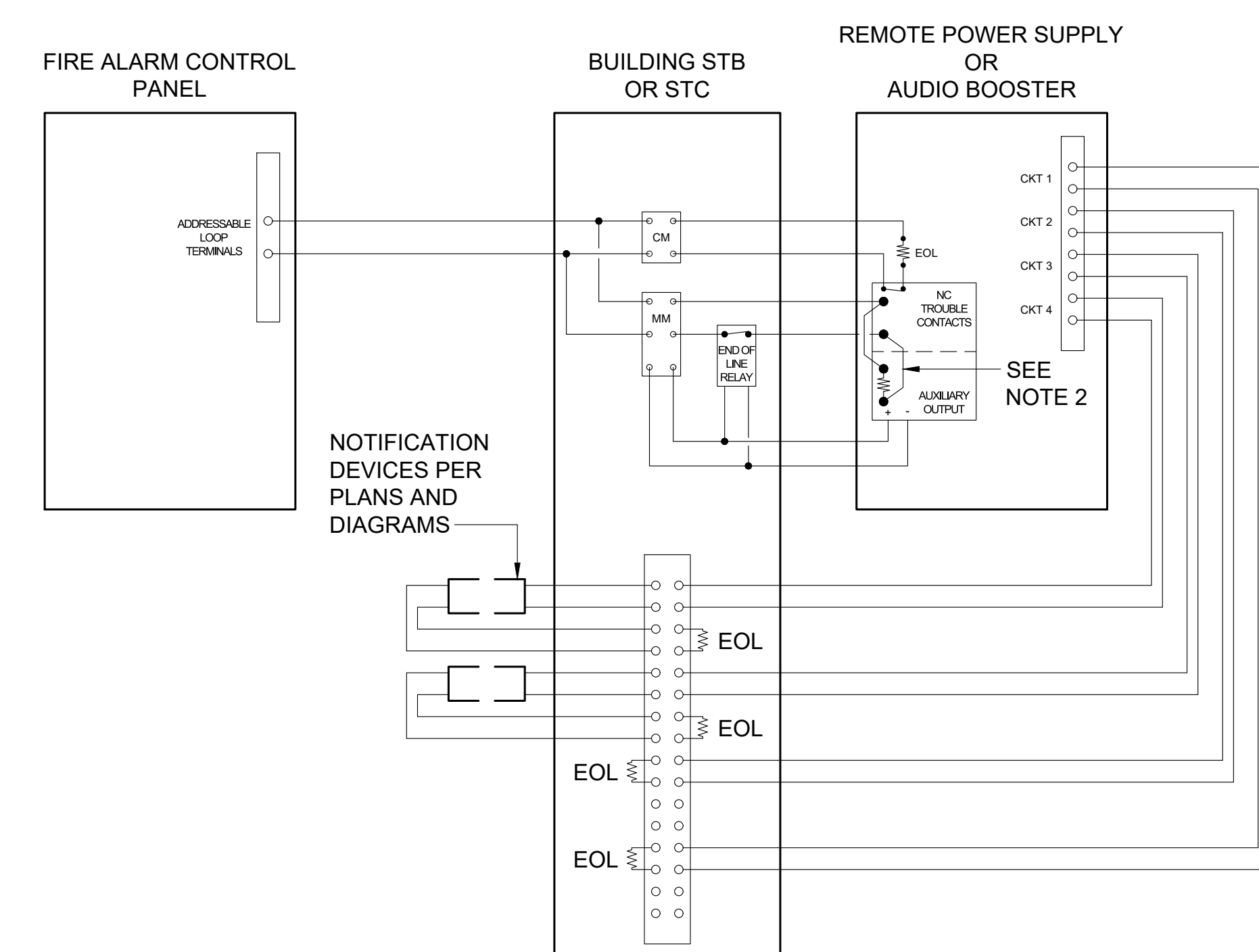


05/02/2019

FIRE ALARM SYSTEM SEQUENCE OF OPERATION MATRIX																			
CAUSE	EFFECT	ALARM TROUBLE SUPERVISORY REQUIRED FIRE SAFETY CONTROL																	
		ALARM AT FACP	ALARM AT REMOTE ANNUNCIATOR	ALARM AT OFF-SITE REPORTING	ACTIVATE AUDIBLE/VISUAL ALARMS	SPRINKLER RISER BELL	ACTIVATE LOCAL TEMPORAL 4 SOUNDER BASE	TROUBLE AT FACP	TROUBLE AT REMOTE ANNUNCIATOR	TROUBLE AT OFF-SITE REPORTING	SUPERVISORY AT FACP	SUPERVISORY AT REMOTE ANNUNCIATOR	SUPERVISORY AT OFF-SITE REPORTING	SHUT DOWN ASSOCIATED HVAC UNIT	CLOSE F/S DAMPER BY ZONE/FLOOR	SHUTDOWN ASSOCIATED EXHAUST FAN	CLOSE ASSOCIATED EXHAUST DAMPER	SHUTDOWN ASSOCIATED PRESSURE FAN	REMARKS
1																			
2																			
3	MANUAL FIRE ALARM STATIONS	X	X	X	X														
4	AREA SMOKE OR HEAT DETECTORS	X	X	X	X														
5	CARBON MONOXIDE DETECTION					X				X	X	X							
6																			
7																			
8	DUCT SMOKE DETECTOR AT HVAC UNIT									X	X	X							
9	POWER FAILURE							X	X	X	X	X							
10	FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE CIRCUITS)							X	X	X	X	X							



1 DETAIL - FIRE ALARM ELEVATIONS
SCALE: NONE



- NOTES:
- CONNECTIONS SHOWN ON THIS DIAGRAM ARE GENERAL IN NATURE. CONTRACTOR SHALL MAKE CONNECTIONS AT EACH DEVICE PER MANUFACTURER'S INSTRUCTIONS AND WIRING DIAGRAMS.
 - PROVIDE JUMPERS BETWEEN INPUT 1 AND INPUT 2 PER MANUFACTURER'S DIAGRAMS SUCH THAT ALL FOUR OUTPUTS OPERATE SIMULTANEOUSLY (CONNECT TO DEACTIVATE AUDIBLE SILENCE FEATURE).
 - PROVIDE MONITOR MODULE, CONTROL MODULE AND END OF LINE RELAY AT EACH FA POWER SUPPLY.

2 FA POWER SUPPLY/AUDIO BOOSTER WIRING DIAGRAM
NO SCALE

NO SCALE

FIRE ALARM GENERAL NOTES

- FURNISH AND INSTALL A NEW FIRE ALARM SYSTEM INCLUDING ALL WIRING AND CONNECTIONS AND OTHER MATERIALS AS SHOWN ON PLANS AND SPECIFIED HEREIN. IT IS THE INTENT THAT A COMPLETE OPERATING SYSTEM CONFORMING TO ALL APPLICABLE CODES BE INSTALLED AND THAT ANY POWER SUPPLIES, RELAYS, RESISTORS, CARDS, MODULES, PROGRAMMING, OR OTHER ITEMS REQUIRED TO ACHIEVE THIS END RESULT SHALL BE FURNISHED WHETHER OR NOT SUCH ITEM OR ITEMS ARE SHOWN OR SPECIFIED.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL SCOPE OF THE FIRE ALARM SYSTEM. THE FIRE ALARM SYSTEM CONTRACTOR SHALL LAYOUT ALL DEVICES, EQUIPMENT, CONDUIT, WIRING, ETC. AND SUBMIT DRAWINGS AS REQUIRED BY THE SPECIFICATIONS. ALL LOCATIONS AND SPACINGS SHALL CONFORM TO APPLICABLE CODES. ANY ADDITIONAL DETECTION AND SIGNALING DEVICES REQUIRED BY CODES AND THE ENFORCING AUTHORITY SHALL BE PROVIDED AS PART OF THIS CONTRACT.
- THE SYSTEM SHALL BE FULLY AUTOMATIC WITH MANUAL STATIONS AT MAIN OFFICE AND IN ASSEMBLY AREAS.
- THE SYSTEM SHALL BE ADDRESSABLE WITH CLASS B SIGNALING CIRCUITS (NAC'S) AND CLASS B WIRING FOR NON-ADDRESSABLE PORTIONS OF INITIATION CIRCUITS.
- INSTALLATION OF THE FIRE ALARM SYSTEM EQUIPMENT SHALL NOT BE STARTED UNTIL SUBMITTAL HAS BEEN APPROVED BY ARCHITECT.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE FOLLOWING CODES: CALIFORNIA BUILDING CODE (CBC), 2016 CALIFORNIA ELECTRICAL CODE (CEC), 2016 CALIFORNIA FIRE CODE (CFC), 2016 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NFPA 72 WITH CALIFORNIA AMENDMENTS, 2016
- IF FIRE ALARM TESTING RESULTS DETERMINE ALARM AUDIBILITY DOES NOT REACH 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL SIGNALING DEVICES SHALL BE REQUIRED. AUDIBLE DEVICES SHALL PROVIDE A SOUND LEVEL OF NOT LESS THAN 75db AT 10 FT. OR MORE THAN 110db MAXIMUM.
- AUDIBLE DEVICES SHALL PROVIDE THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE.
- VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH PER SECOND. ALL DEVICES WITHIN THE NORMAL VIEW RANGE SHALL BE SYNCHRONIZED.
- REFER TO "DETAIL-FA DEVICE ELEVATIONS" FOR DEVICE MOUNTING HEIGHTS.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR/DSA.
- POWER SERVICE FOR FIRE ALARM CONTROL PANELS AND/OR REMOTE POWER SUPPLIES SHALL BE ON DEDICATED CIRCUITS. CIRCUIT BREAKER HANDLES FOR SUCH DEDICATED CIRCUITS SHALL BE PAINTED RED AND IDENTIFIED IN DIRECTORY AS "FIRE ALARM CIRCUIT". CIRCUIT BREAKER(S) SERVING CONTROL PANELS AND POWER SUPPLIES SHALL BE EQUIPPED WITH HANDLE LOCKS TO PREVENT BREAKERS FROM BEING OPENED BY UNAUTHORIZED PERSONS.
- THE LOCATION OF THE DEDICATED CIRCUIT BREAKER SERVING CONTROL PANELS AND POWER SUPPLIES SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL PANELS AND POWER SUPPLIES. PROVIDE ADHESIVE BACKED NAMEPLATE TO READ "DEDICATED 120V CIRCUIT FROM ____" WITH CIRCUIT NUMBER INCLUDED IN TEXT. ATTACH TO INSIDE OF DOOR.
- FINAL FIRE TEST SHALL BE MADE WITH PROJECT INSPECTOR AS A MINIMUM. LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE PROJECT INSPECTOR/ DSA AFTER COMPLETION OF THE OPERATIONAL ACCEPTANCE TESTS. THE RECORD OF COMPLETION MUST BE SIGNED BY CONTRACTOR.
- ALL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE PROTECTED. REFER TO SHEET A10.02 FOR DETAILS.

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

Fire Alarm System Components

Manufacturer	Model No.	Description	CSFM Listings No.
EST	EST 3	FIRE ALARM CONTROL PANEL	7165-1657-0186
EST	SIGA-278	MANUAL PULL STATION	7150-1657-0129
EST	SIGA-PD	SMOKE DETECTOR	7272-1657-0331
EST	SIGA-HRD	HEAT DETECTOR	7270-1657-0333
SYSTEM SENSOR	5604	HEAT DETECTOR, 194 DEGREES, W/ MONITOR MODULE	7270-1653-0167
THERMOTECH	302-194 w/AP-P	HEAT DETECTOR, ABOVE CEILING, BELOW FLOOR	7270-0021-0001
EST	SIGA-SD	DUCT DETECTOR	3242-1657-0223
EST	SIGA-PCD	SMOKE/CO DETECTOR	7272-1657-0334
EST	SIGA-SB	DETECTOR BASE	7300-1657-0120
EST	SIGA-AB4GT	SOUNDER BASE	7300-1657-0307
EST	SIGA-CT1	MONITOR MODULE	7300-1657-0121
EST	SIGA-CR	CONTROL MODULE	7300-1657-0121
FIRE-LITE	FCPS-24FS6	REMOTE POWER SUPPLY	7315-0075-0208
EST	SIGA-AA30	VOICE EVAC AUDIO BOOSTER	7300-1657-0121
WHEELock	ET1010 WBB-R WFP	SPEAKER EXTERIOR WITH OUTDOOR BACKBOX OR WP ADAPTER PLATE	7320-0785-0105 7300-0785-0177 7300-0785-0177
WHEELock	LSP9TRC	SPEAKER/STROBE, CEILING	7320-0785-0178
WHEELock	LSTRC	STROBE, CEILING	7320-0785-0180
WHEELock	DSM-12/24-R	SYNC MODULE	7320-0785-0132

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
[FACT]	FIRE ALARM CONTROL PANEL.
[FACT]	FIRE ALARM TERMINAL CABINET.
[F]	FIRE ALARM MANUAL PULL STATION.
[S]	FIRE ALARM SMOKE DETECTOR.
[S] ^{CO}	FIRE ALARM COMBINATION SMOKE/CARBON MONOXIDE DETECTOR.
[T]	FIRE ALARM RATE OF RISE OR FIXED TEMPERATURE DETECTOR.
[S] ^{DUCT}	FIRE ALARM DUCT SMOKE DETECTOR, PROVIDED BY AND WIRED TO FA SYSTEM BY DIVISIONS 26, 27, & 28 INSTALLED AND WIRED FOR UNIT SHUTDOWN BY DIVISION 23.
[EOL]	END OF LINE RESISTOR.
[S] ^{RISER}	FIRE ALARM SPRINKLER RISER BELL.
[S] ^{SPK}	FIRE ALARM SPEAKER.
[S] ^{STROBE}	FIRE ALARM SPEAKER / STROBE COMBINATION, CEILING MOUNTED.
[S] ^{WALL}	FIRE ALARM WALL MOUNTED STROBE LIGHT.
[S] ^{CEILING}	FIRE ALARM CEILING MOUNTED STROBE LIGHT.
[M]	FIRE ALARM MONITOR MODULE.
[SM]	FIRE ALARM SYNCHRONIZATION MODULE.
[CM]	FIRE ALARM CONTROL MODULE.
SUBSCRIPTS	FIRE ALARM DEVICE SUBSCRIPTS DESIGNATE THE FOLLOWING:
AC	= ABOVE CEILING MOUNTED DEVICE
BF	= BELOW FLOOR
WG	= WIREGUARD
WP	= WEATHERPROOF

FIRE ALARM RECORD DOCUMENTS CABINET

- THE FIRE ALARM SYSTEM WORK SHALL INCLUDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION PER NFPA 72, 7.7.2.
- THE DOCUMENTATION CABINET SHALL BE RED WITH A HINGED, LOCKING DOOR AND SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS".
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED INSIDE THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
- PROVIDE SYSTEM DOCUMENTS AS APPLICABLE
 - RECORD DRAWINGS/AS-BUILTS
 - EQUIPMENT CUT SHEETS AND CA SFM LISTINGS
 - ALTERNATIVE MEANS AND METHODS
 - PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7)
 - SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
 - EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
 - EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
 - RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)
 - SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

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DATE: 05/03/2019

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PROJECT
GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
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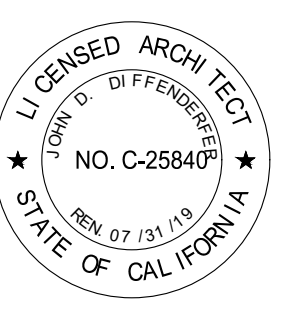
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Project Number: F397

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MILESTONES
SD
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90% CD
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SHEET

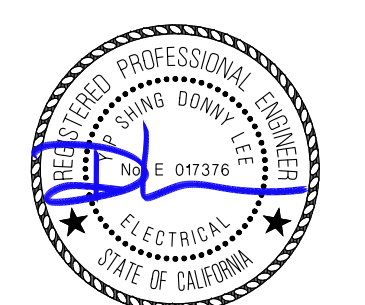
FIRE ALARM
SYMBOLS & NOTES

DATE 04/08/2019

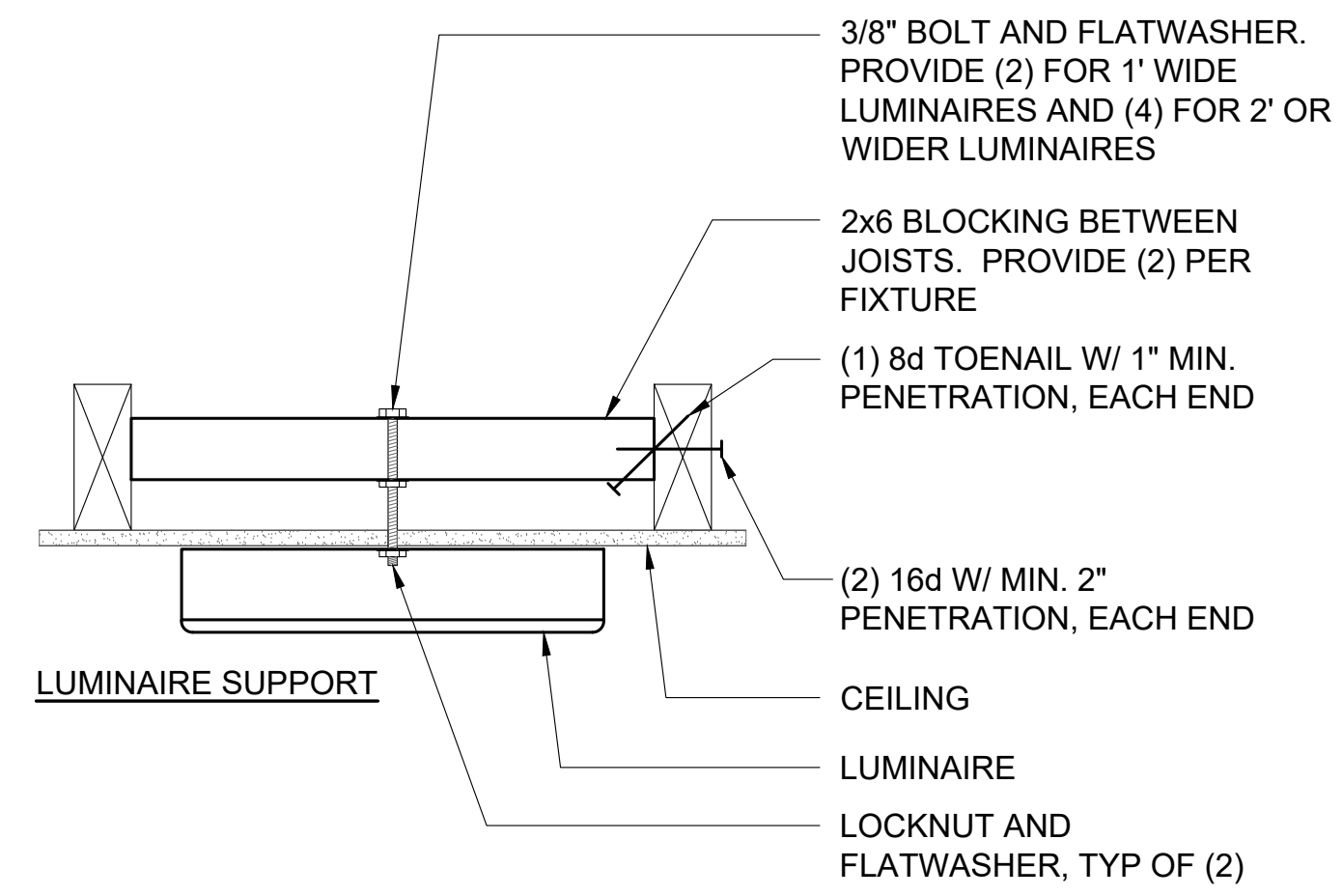
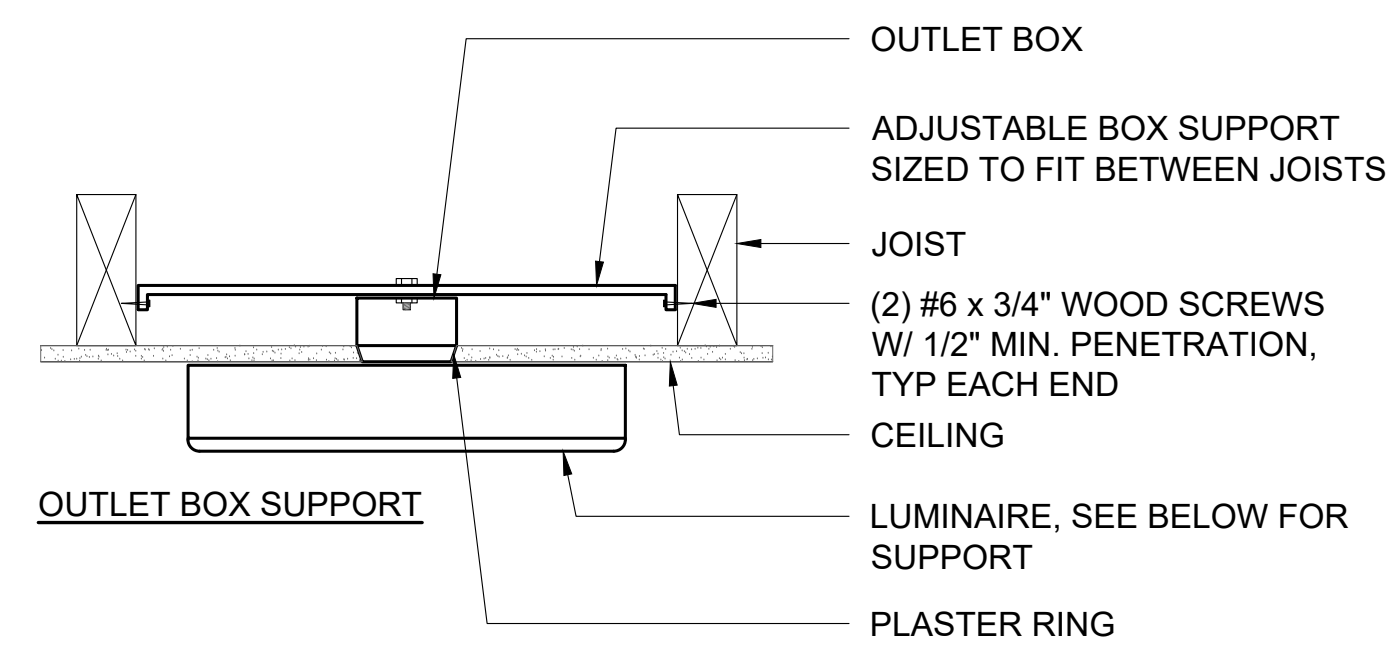
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SHEET #

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05/02/2019



1 CEILING SURFACE MOUNTED LUMINAIRE
NO SCALE

LUMINAIRE SCHEDULE								
TYPE	MANUFACTURER/CATALOG	DESCRIPTION	MOUNTING	LAMP		VOLTS	WATTS	REMARKS
				NO.	TYPE			
E1	KENALL MLHA12-24-R-MV-PP-25L40K-DCC-1-DV	SURFACE WRAP; 4000K; 2673 LUMENS	SURFACE		LED	UNV	25	

WIRE SCHEDULE			
TYPE	AREA	O.D.	DESCRIPTION
D			REFER TO SPECIFICATIONS (CATEGORY 6 DATA CABLE)
G	0.0284	0.19	WEST PENN 3244 (INTRUSION ALARM SYSTEM WIRING)
GX	0.1386	0.42	WEST PENN AQ3245 (INTRUSION ALARM SYSTEM TRUNK)
H	0.0077	(2) 0.07	2 #14 THHN/THWN (RED, BLACK) (FIRE ALARM CONVENTIONAL INITIATION WIRING)
I	0.0315	0.20	WEST PENN D980 (FIRE ALARM ADDRESSABLE CABLE)
IX	0.0755	0.31	WEST PENN AQ293 (FIRE ALARM ADDRESSABLE TRUNK)
N	0.0128	(2) 0.09	2#12 THHN/THWN (FIRE ALARM NOTIFICATION WIRING)
NX	0.0191	(2) 0.11	2#10 THWN (FIRE ALARM NOTIFICATION TRUNK)
S	0.0128	(2) 0.09	2#12 THHN/THWN (VOICE EVACUATION SPEAKER CABLE)
SX	0.0191	(2) 0.11	2#10 THWN (VOICE EVACUATION SPEAKER TRUNK)
T	0.0315	0.20	WEST PENN D980 (VOICE EVACUATION BOOSTER CABLE)
TX	0.0755	0.31	WEST PENN AQ293 (VOICE EVACUATION BOOSTER TRUNK)
Z	0.0077	(2) 0.07	2#14 THHN/THWN (CO SOUNDER BASE POWER)

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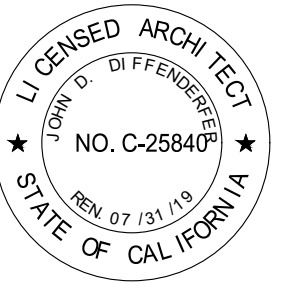
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90% CD
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SHEET
SCHEDULES &
DETAILS

DATE 04/08/2019
JOB # 2018044
SHEET # E0.03
05/02/2019



SHEET NOTES

1. REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
2. REFER TO CIVIL PLANS FOR AREAS OF DEMOLITION OF (N) WORK. PROTECT ELECTRICAL AND LOW VOLTAGE UTILITIES, RACEWAY, WIRING, BOXES, ETC., AS REQUIRED.

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NUMBERED NOTES

- ① RISE OF BUILDING OF EXTERIOR. ENTER BUILDING (ABOVE CEILING USING 'LB'.
- ② ROUTE ABOVE CEILING, TYPICAL.
- ③ 24" X 24" X 8".
- ④ 18" X 18" X 8".
- ⑤ PROVIDE (N) 40A/2P (EWH-1) AND (N) 50A/2P (IEWH-1) BREAKERS IN NEMA 3R ENCLOSURES MOUNTED TO SIDE OF SWITCHBOARD. AIC OF (N) BREAKERS TO MATCH (E). TAP BUSSING. FOLLOW 10' TAP RULE.

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PROJECT
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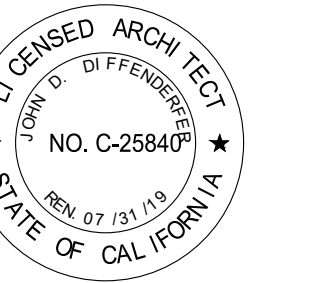
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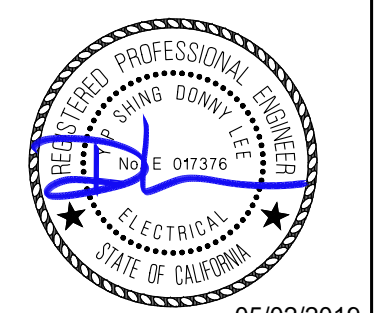
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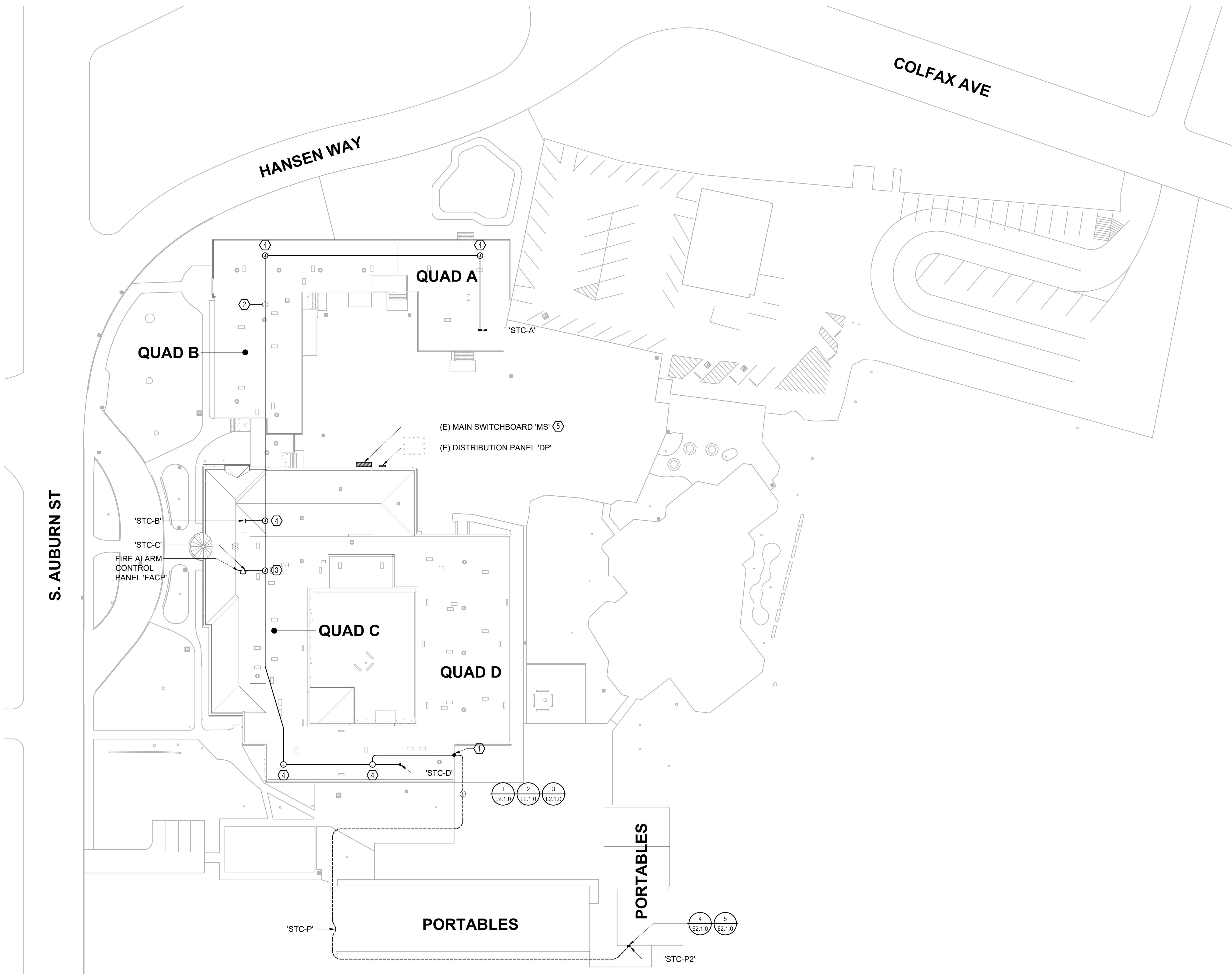
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 50% CD
 90% CD
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SHEET
NEW SITE PLAN

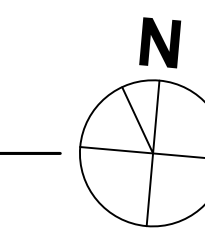
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 JOB # 2018044
 SHEET #
E2.00

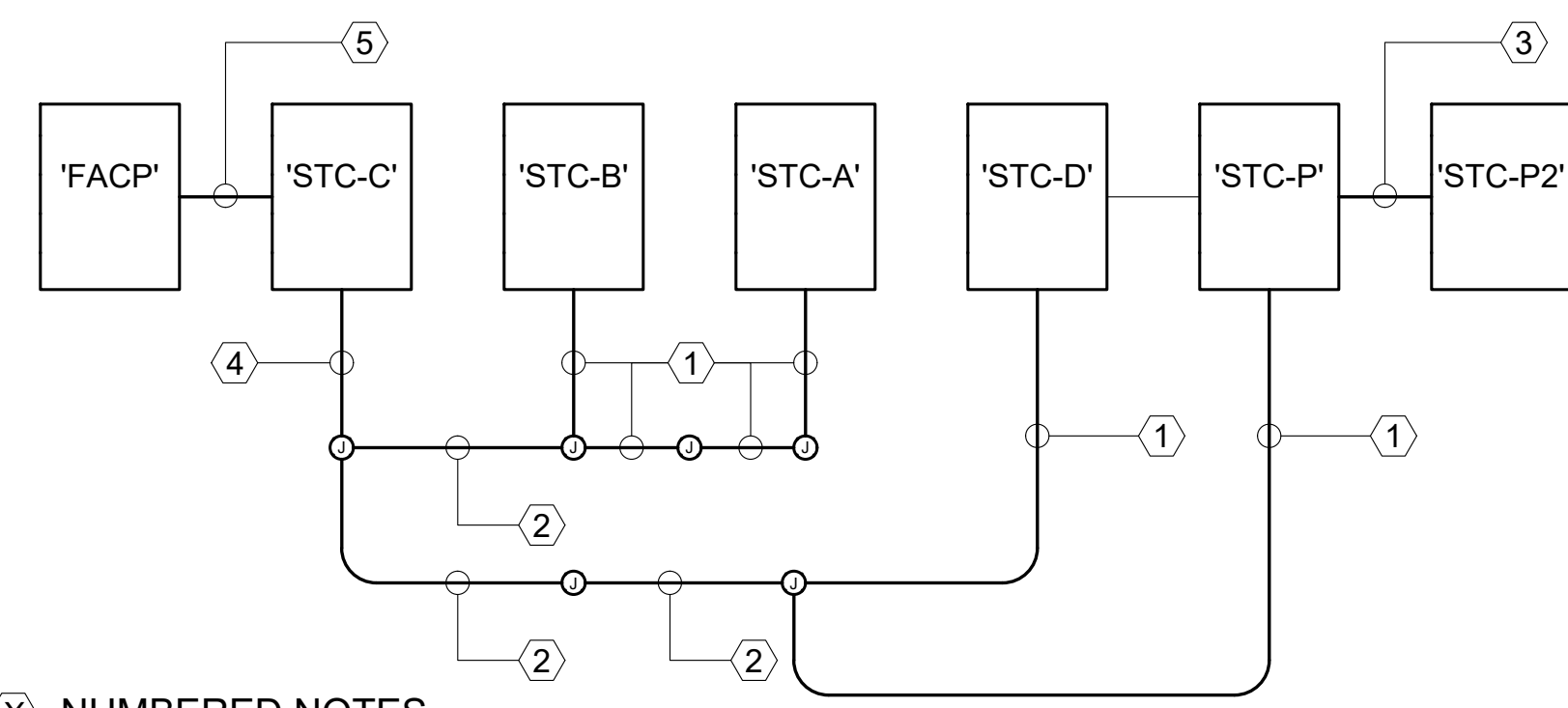
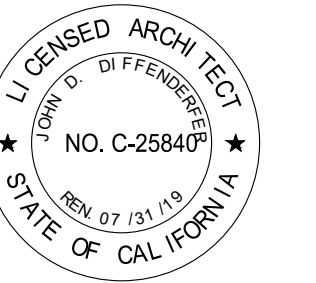


05/02/2019



1 NEW SITE PLAN
 SCALE: 1" = 30'-0"



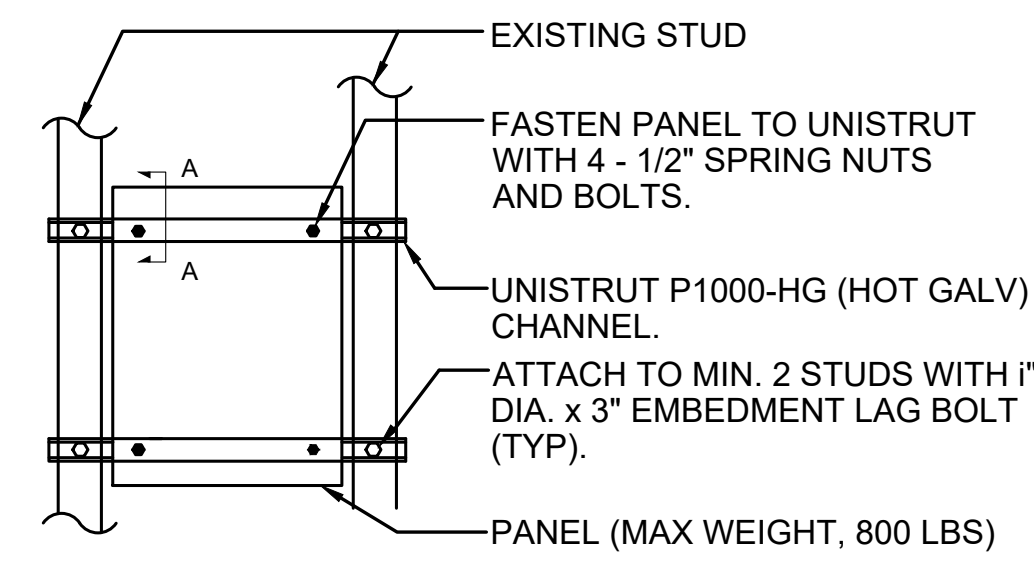
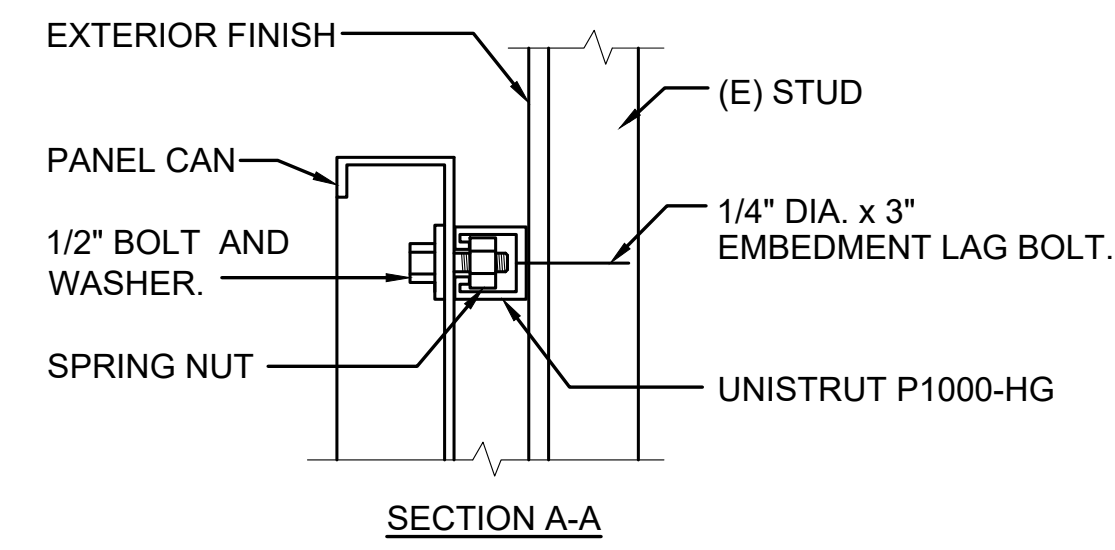


⊗ NUMBERED NOTES

1. 1" C - 11, 1T, 1S.
2. 1.5" C - 2IX, 2TX, 2SX.
3. 1" C - 1IX, 1TX, 1SX.
4. 2" C - 4IX, 4TX, 4SX.
5. 2" C - 5IX, 5TX, 5SX.

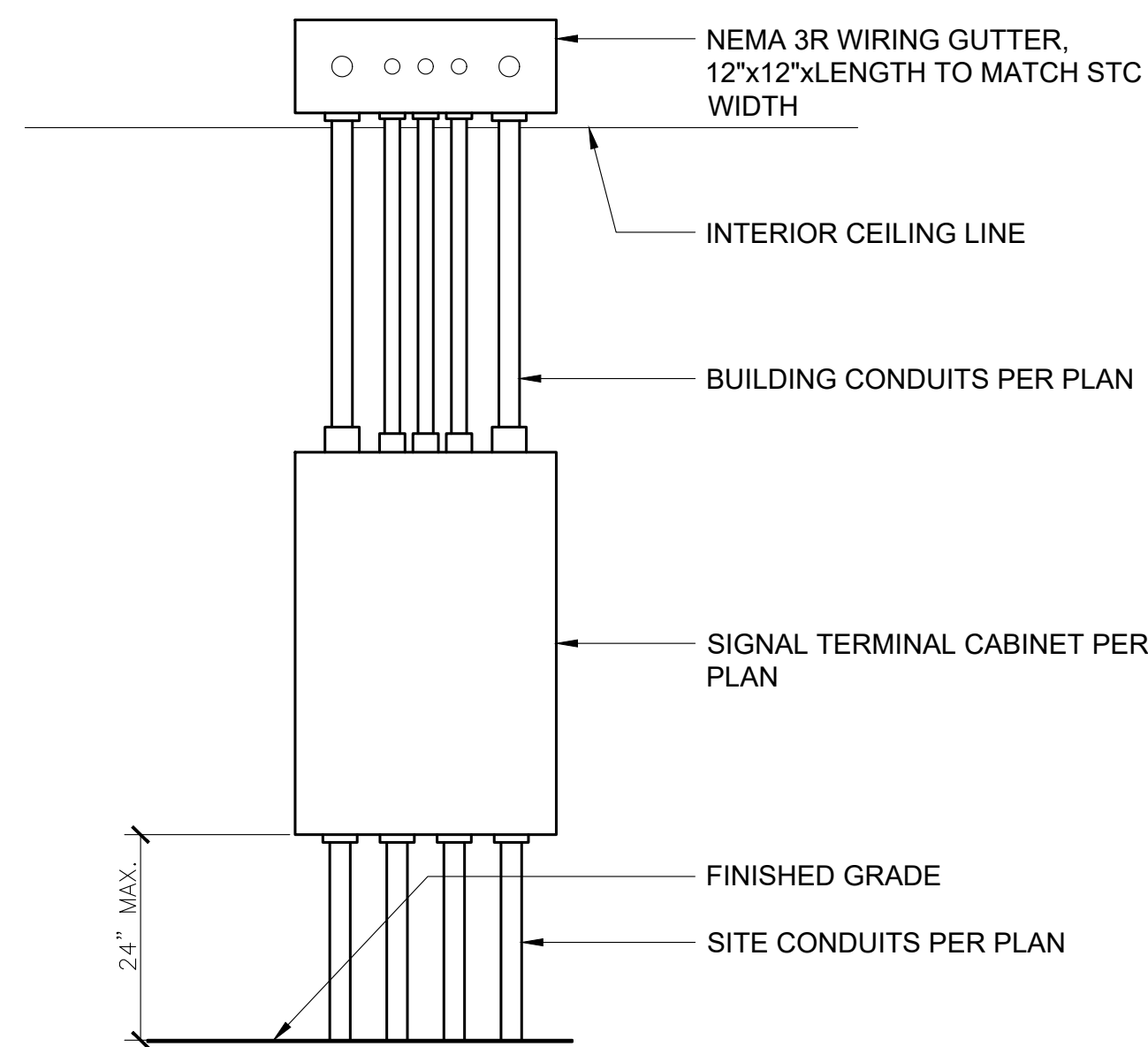
6 SITE RISER DIAGRAM - FIRE ALARM

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



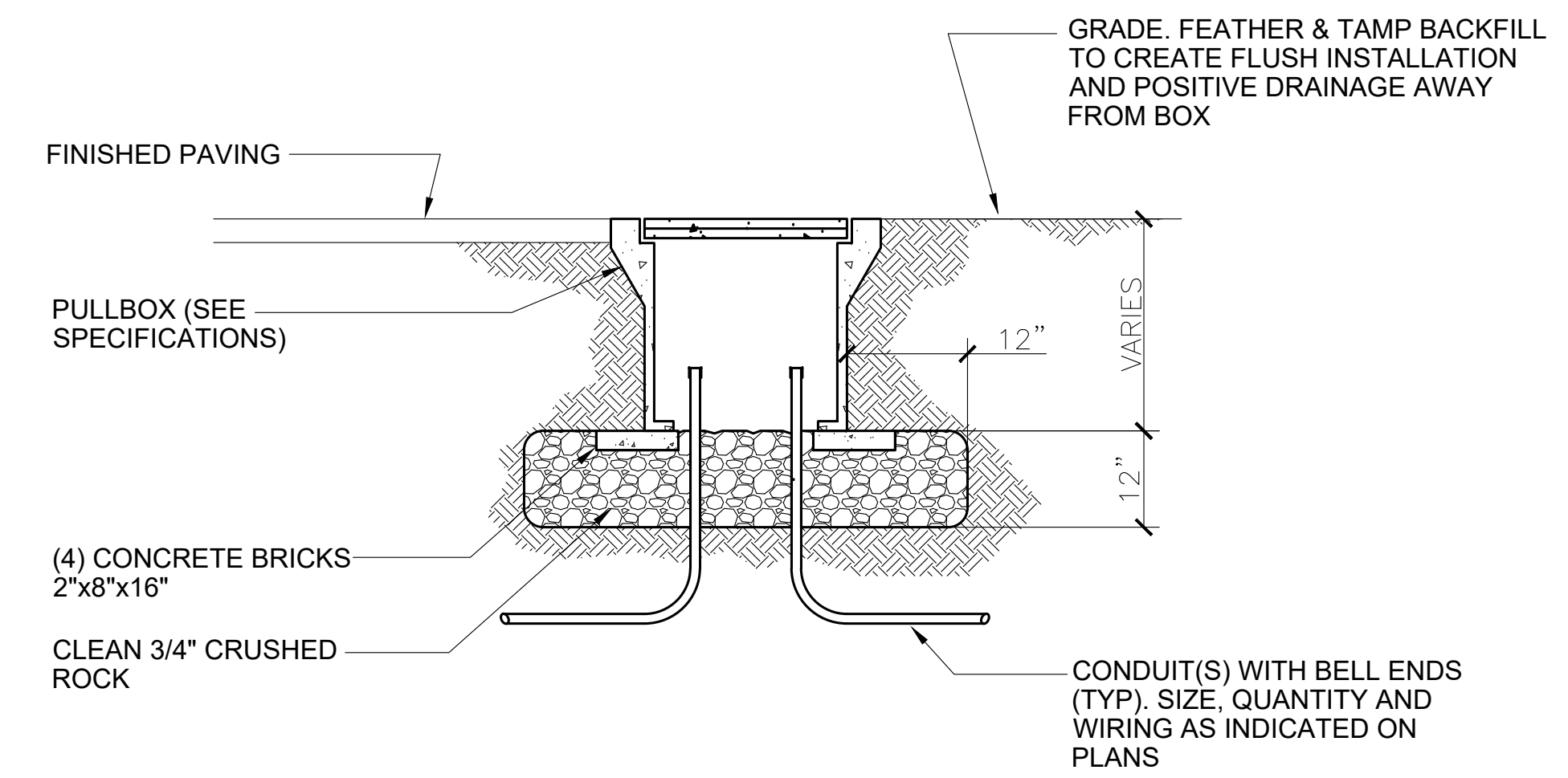
4 DETAIL - SURFACE MTD. PANEL AT EXISTING WOOD STUD WALL

NO SCALE



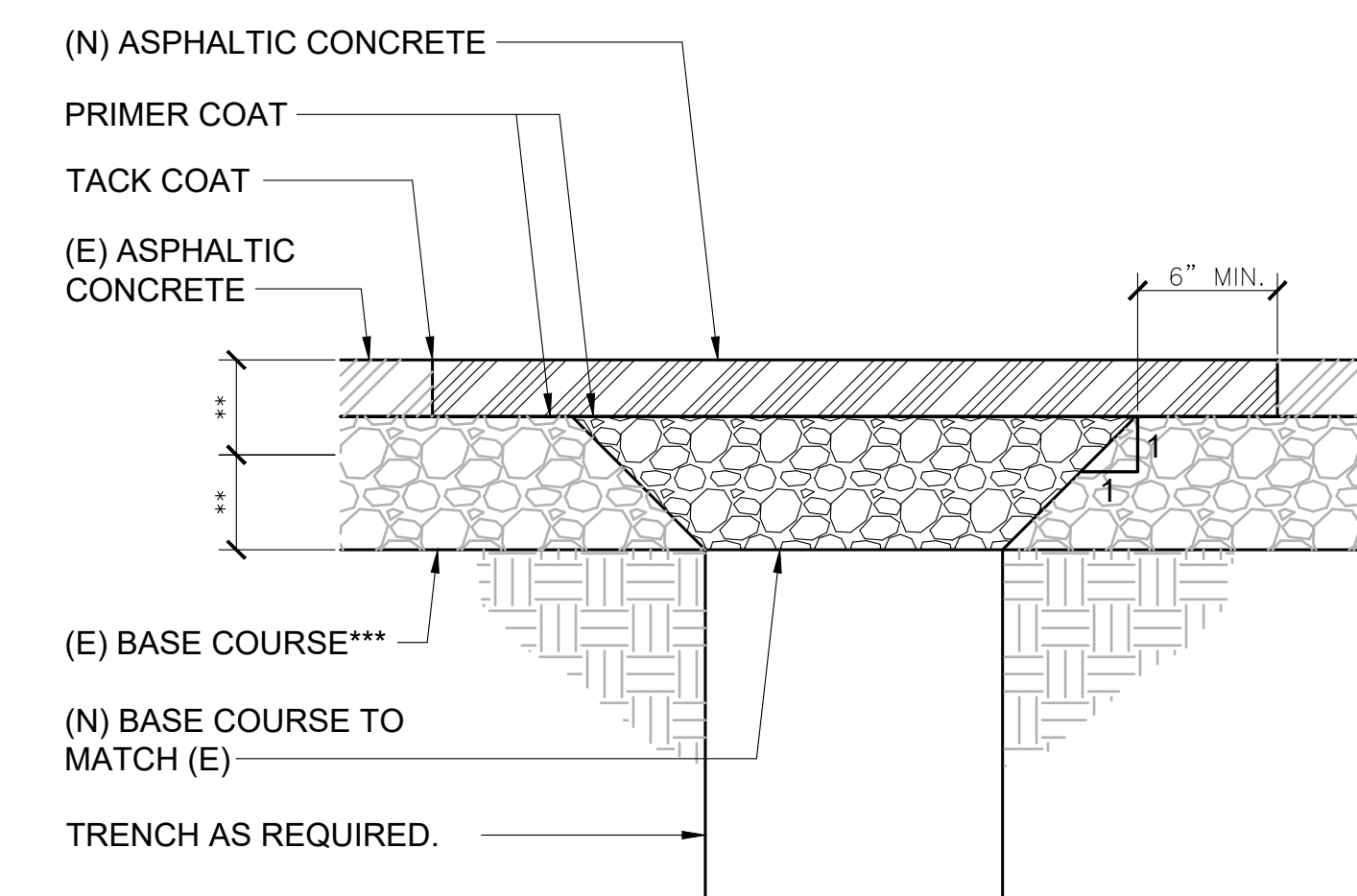
5 SIGNAL TERMINAL CABINET DETAIL

NO SCALE



1 UNDERGROUND CONCRETE PULLBOX

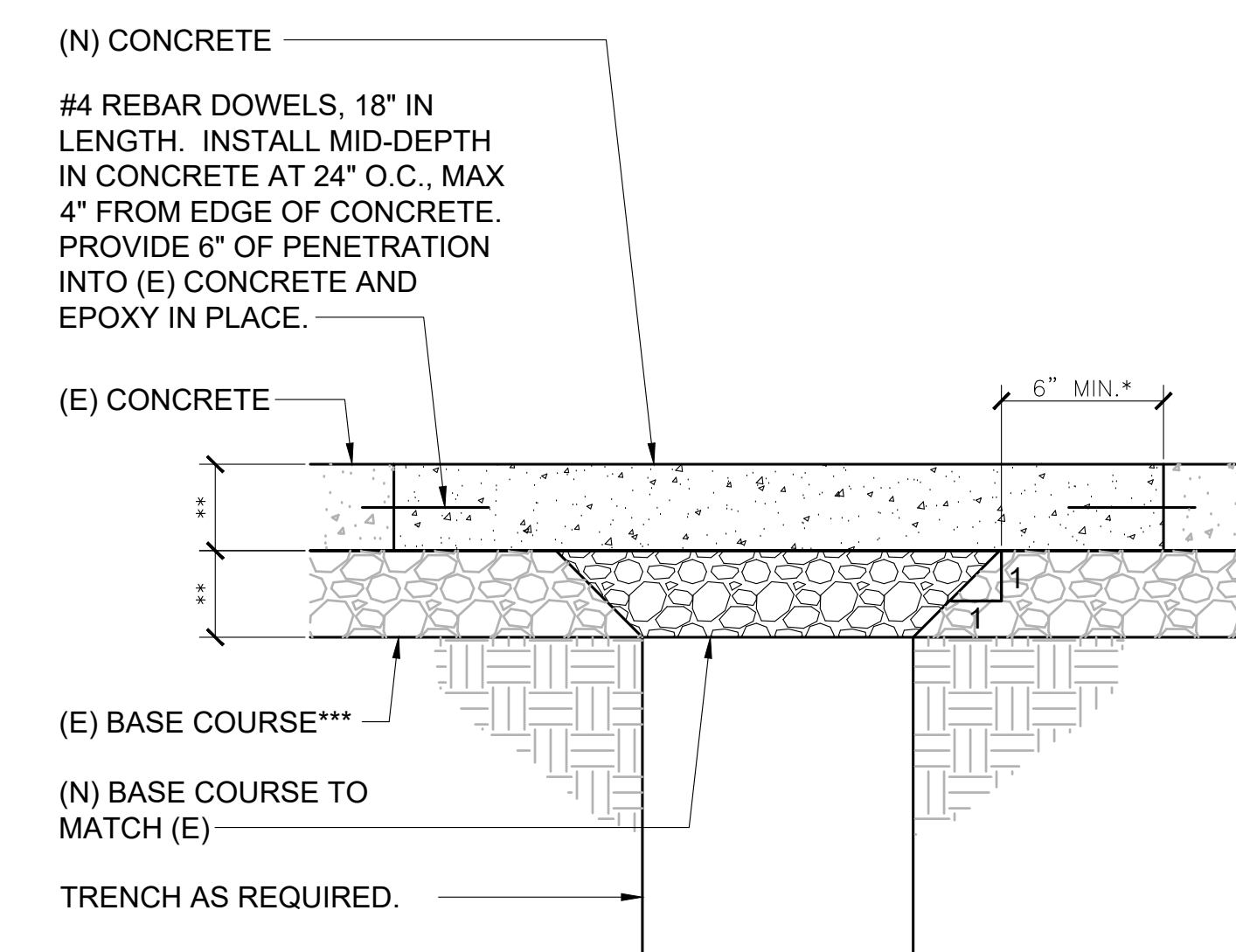
NO SCALE



NOTE: PROVIDE SEAL COAT OVER NEW WORK AND EXTEND A MINIMUM OF 12" OVER EXISTING ASPHALT.

2 ASPHALTIC CONCRETE REPAIR DETAIL

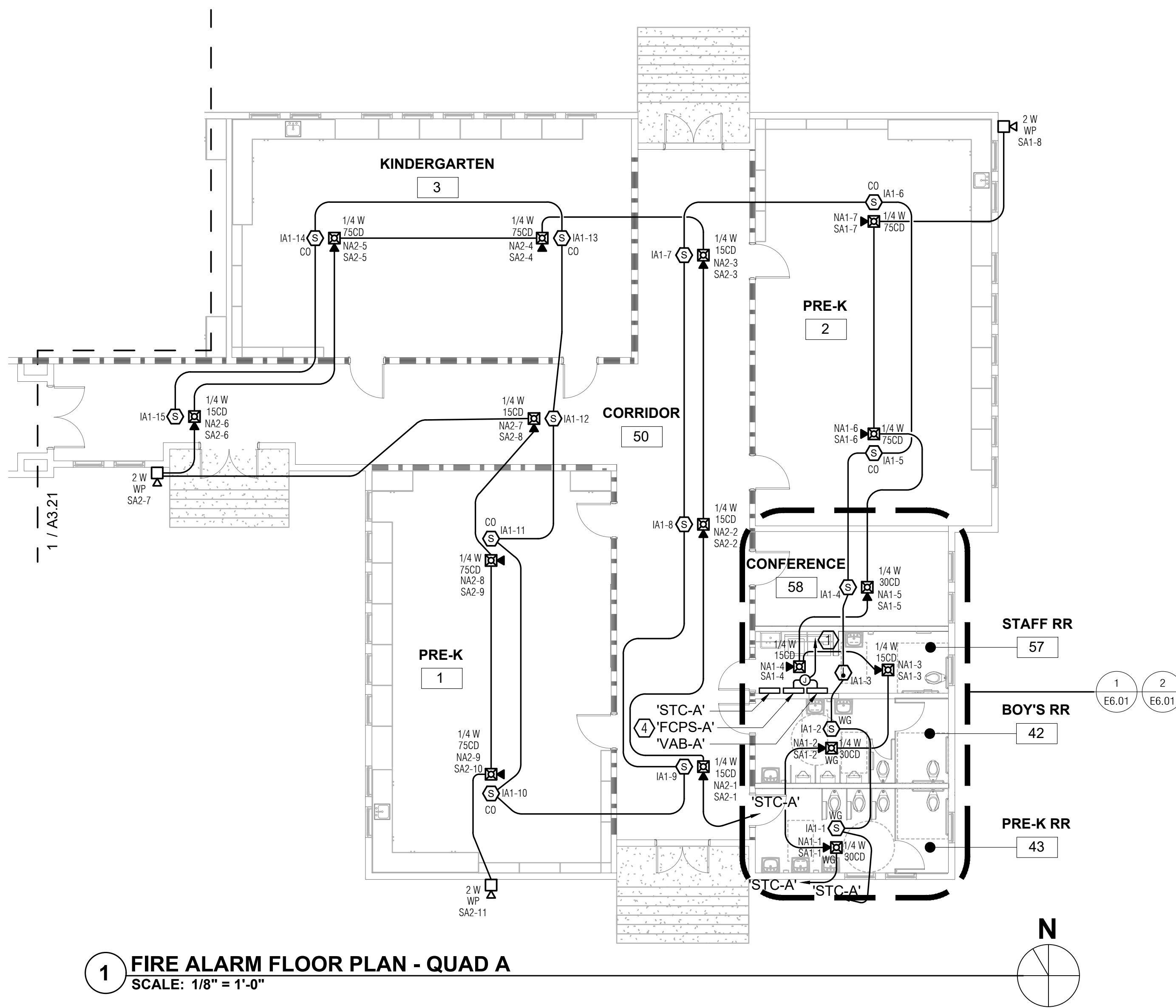
NO SCALE



* WHERE JOINT EXISTS WITHIN 18" OF CUT, REMOVE CONCRETE TO (E) JOINT.
 ** TO MATCH (E).
 *** (E) BASE COURSE TO BE PROTECTED AND TO REMAIN UNDISTURBED TO PREVENT LOSS OF DENSITY AND SUPPORT UNDER (E) CONCRETE.

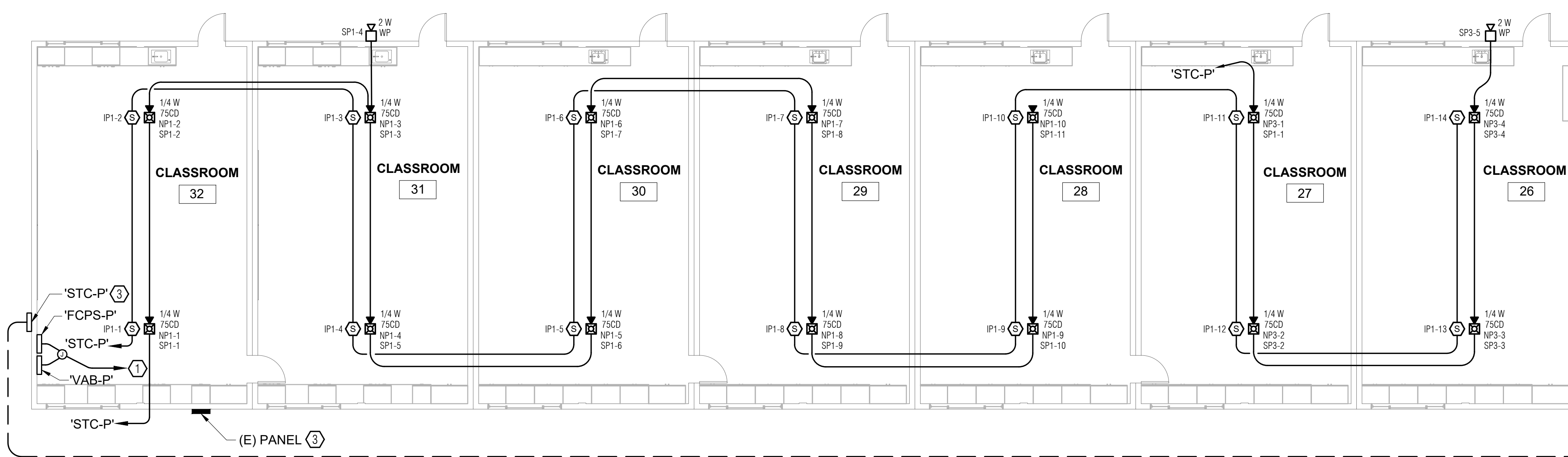
3 CONCRETE REPAIR DETAIL

NO SCALE



1 FIRE ALARM FLOOR PLAN - QUAD A
SCALE: 1/8" = 1'-0"

1 / A3.31 1 / A3.41



NOTE: CARBON MONOXIDE DETECTION IS NOT REQUIRED IN PORTABLES AS THERE ARE NO FUEL FIRED APPLIANCES.

2 FIRE ALARM FLOOR PLAN - PORTABLES
SCALE: 1/8" = 1'-0"

SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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APP. 02-117269 INC.
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DATE: 05/03/2019

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San Jose, CA 95113
t el: (408)-300-5160
f ax: (408)-300-5121

NUMBERED NOTES

- PROVIDE 3/4" C - 2 #12, 1 #12 'G' TO 120V BUILDING PANEL.
- PROVIDE (N) 20A/1P CIRCUIT BREAKER IN (E) SPACE. AIC OF (N) BREAKER TO MATCH (E).
- SIGNAL TERMINAL CABINET, BLINE #242410RHC WITH T-LOCK HANDLE AND 3/4" PLYWOOD BACKBOARD. PAINT BACKBOARD WITH (2) COATS OF WHITE ENAMEL PAINT. DRILL BACKBOARD TO FIT OVER COLLAR STUDS AND SECURE WITH BOLTS AND FLAT WASHERS.
- SIGNAL TERMINAL CABINET, BLINE #24248RTC WITH T-LOCK HANDLE AND 3/4" PLYWOOD BACKBOARD. PAINT BACKBOARD WITH (2) COATS OF WHITE ENAMEL PAINT. DRILL BACKBOARD TO FIT OVER COLLAR STUDS AND SECURE WITH BOLTS AND FLAT WASHERS.
- SPAN BETWEEN BUILDINGS USING SEAL TITE FLEX, TYPICAL.

PROJECT
GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019



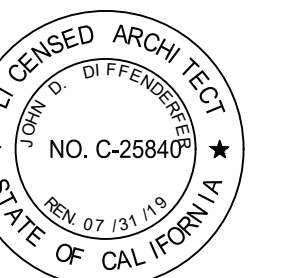
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GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

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ELECTRICAL CONSULTING
1801 7th Street, Suite 150
Sacramento, CA 95811
916.236.2460
Project Number: F387
Contact: JEFF

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DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS

No. Description Date

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MILESTONES

SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

SHEET

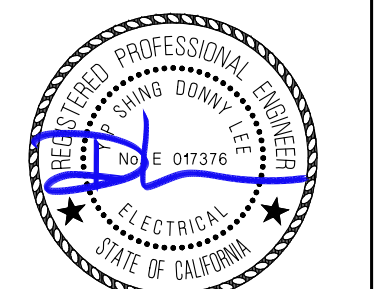
FIRE ALARM
FLOOR PLANS
- QUAD A &
PORTABLES

DATE 04/08/2019

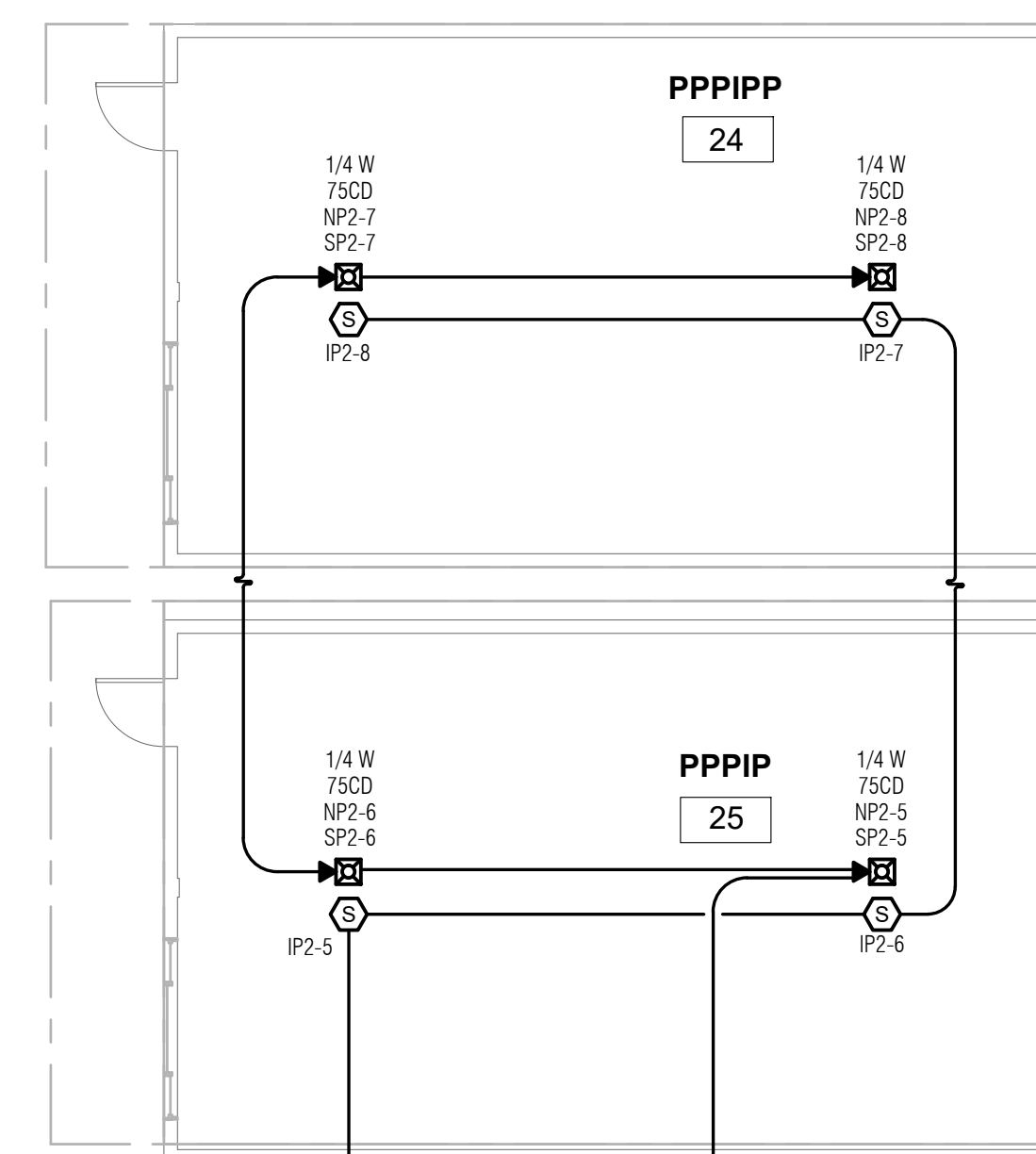
JOB # 2018044

SHEET #

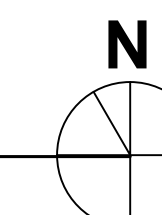
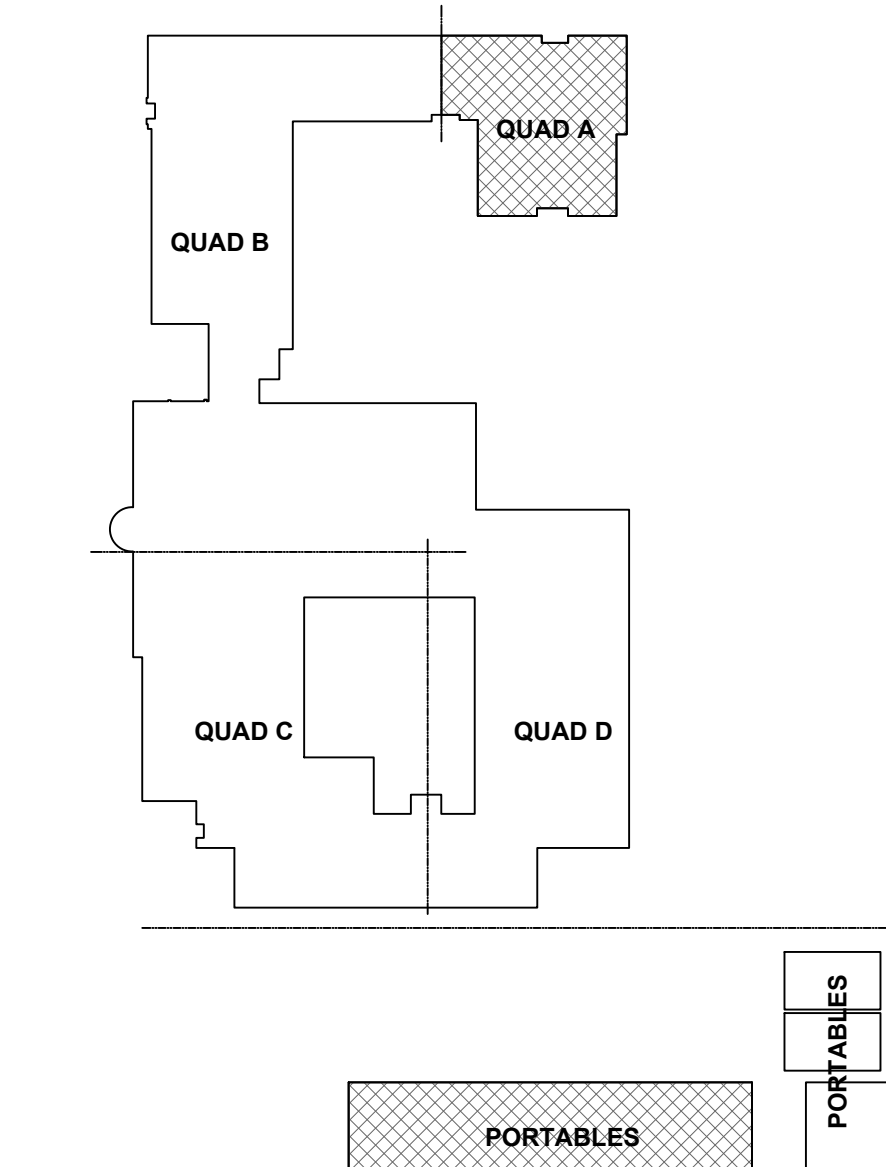
E3.11



05/02/2019



BUILDING KEY



SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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- SIGNAL TERMINAL CABINET, BLUNE #24248RTC WITH T-LOCK HANDLE AND 3/4" PLYWOOD BACKBOARD. PAINT BACKBOARD WITH (2) COATS OF WHITE ENAMEL PAINT. DRILL BACKBOARD TO FIT OVER COLLAR STUDS AND SECURE WITH BOLTS AND FLAT WASHERS.
- LOCATED WITHIN 3'-0" OF PEAK.
- THERE IS NO COOKING FIRE SUPPRESSION SYSTEM NEEDING CONNECTION TO FIRE ALARM SYSTEM.

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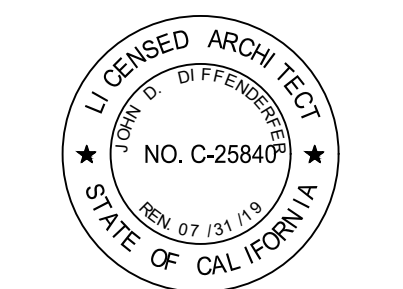
Grass Valley School District

GRASS VALLEY SCHOOL DISTRICT

CONSULTANT

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Sacramento, CA 95811
916.236.2460
300 27th Street #201
Oakland, CA 94612
510.775.3636
Project Number: F397
Contact: JEFF

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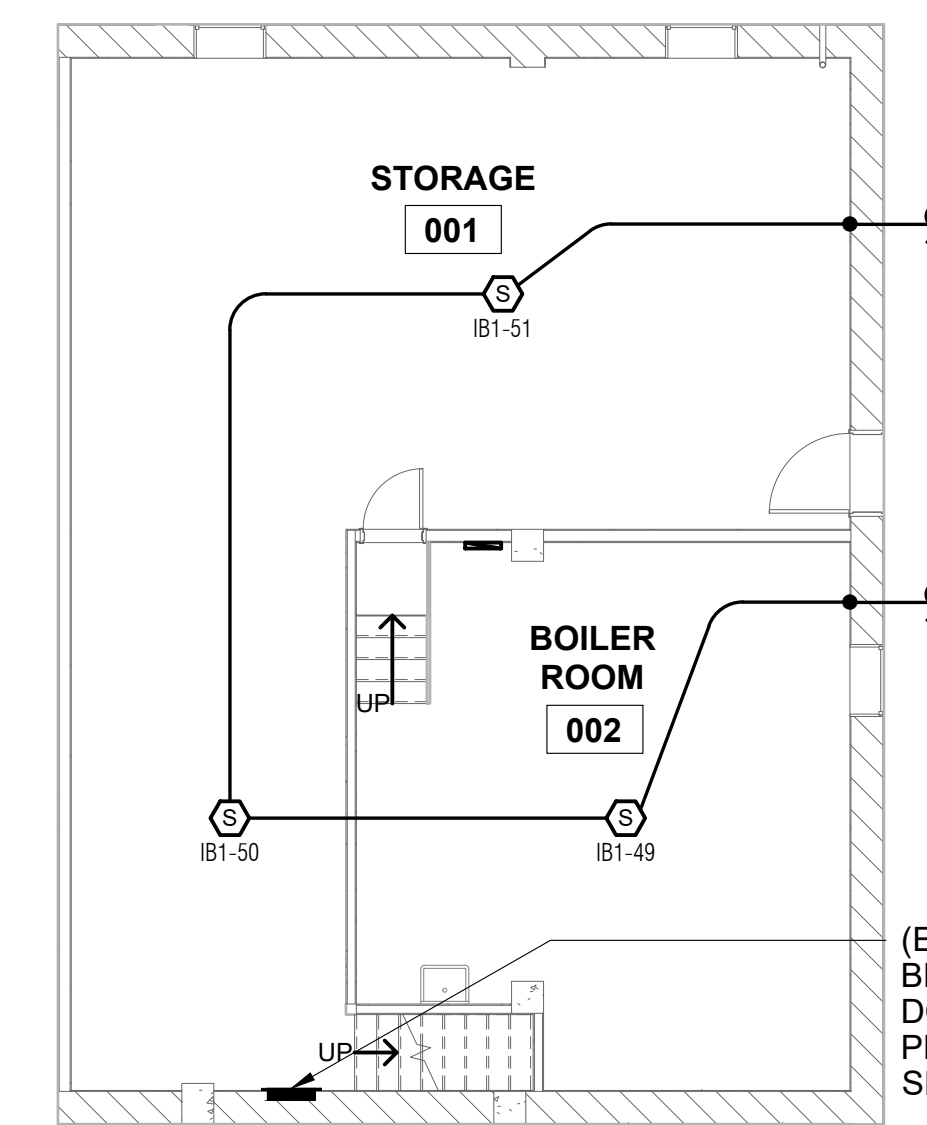
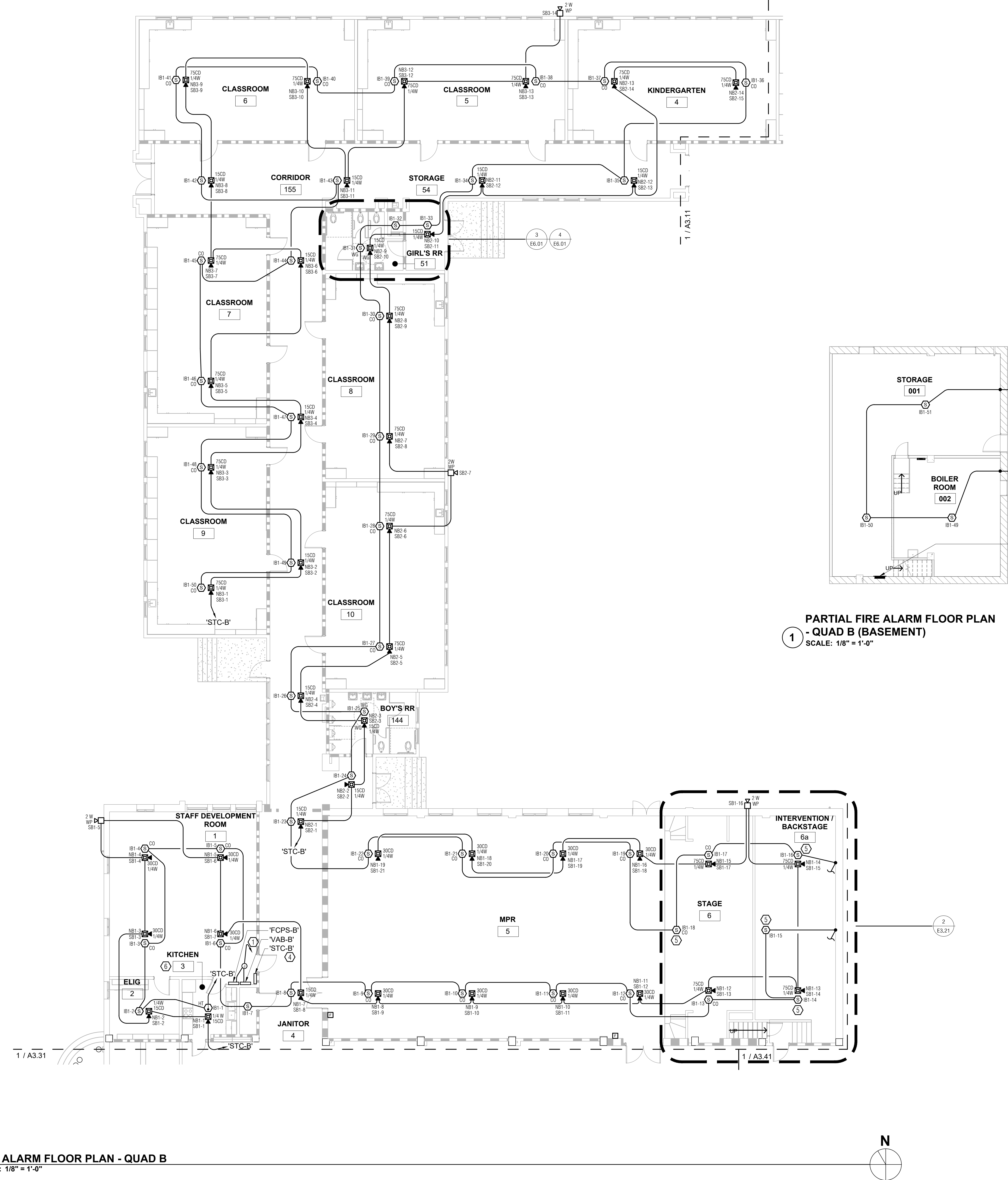
REVISIONS
No. Description Date

MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

SHEET
FIRE ALARM FLOOR PLANS - QUAD B

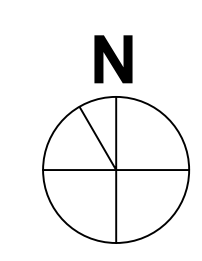
DATE 04/08/2019
JOB # 2018044
SHEET #

E3.21

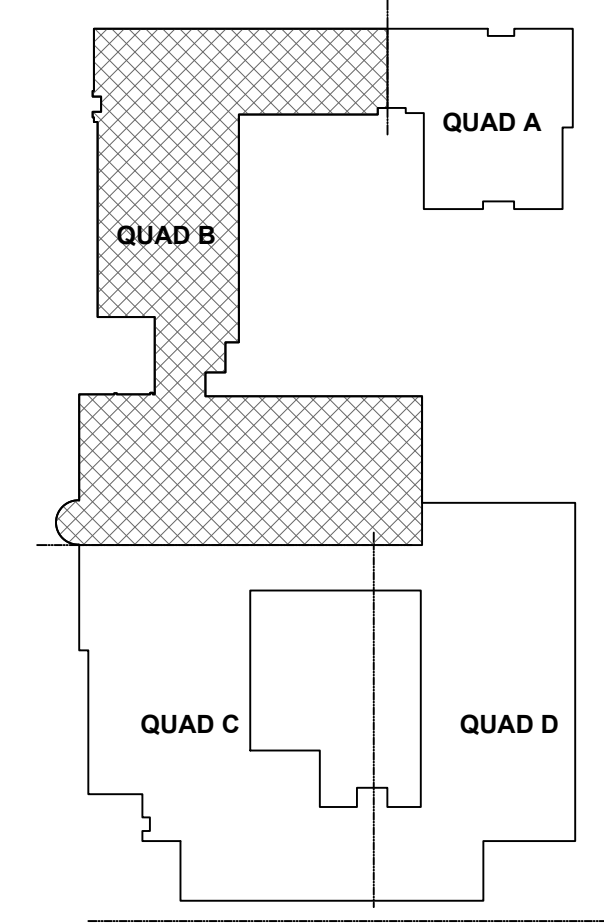


(E) UNDERFLOOR ACCESS PANEL (FOR ACCESS TO BELOW FLOOR HEAT DETECTORS). WHERE PANEL DOES NOT PROVIDE ACCESS TO EVERY DETECTORS, PROVIDE (N) ACCESS HATCHES/PANELS FOR SERVICING/TESTING OF DETECTORS.

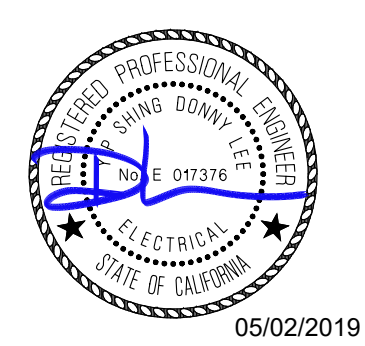
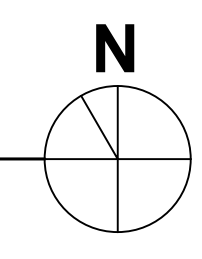
PARTIAL FIRE ALARM FLOOR PLAN - QUAD B (BASEMENT)
SCALE: 1/8" = 1'-0"



BUILDING KEY



1 FIRE ALARM FLOOR PLAN - QUAD B
SCALE: 1/8" = 1'-0"



05/02/2019

SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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NUMBERED NOTES

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- SIGNAL TERMINAL CABINET, BLINE #24248RTC WITH T-LOCK HANDLE AND 3/4" PLYWOOD BACKBOARD. PAINT BACKBOARD WITH (2) COATS OF WHITE ENAMEL PAINT. DRILL BACKBOARD TO FIT OVER COLLAR STUDS AND SECURE WITH BOLTS AND FLAT WASHERS.
- CONNECT TO (E) DEDICATED 120V FACP CIRCUIT. EXTEND (E) PHONE LINES IN 0.75" C.

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 2019**



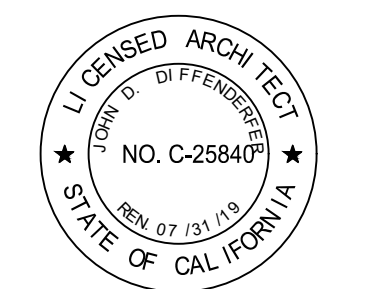
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 School District

GRASS VALLEY SCHOOL
 DISTRICT

CONSULTANT

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 Sacramento, CA 95811
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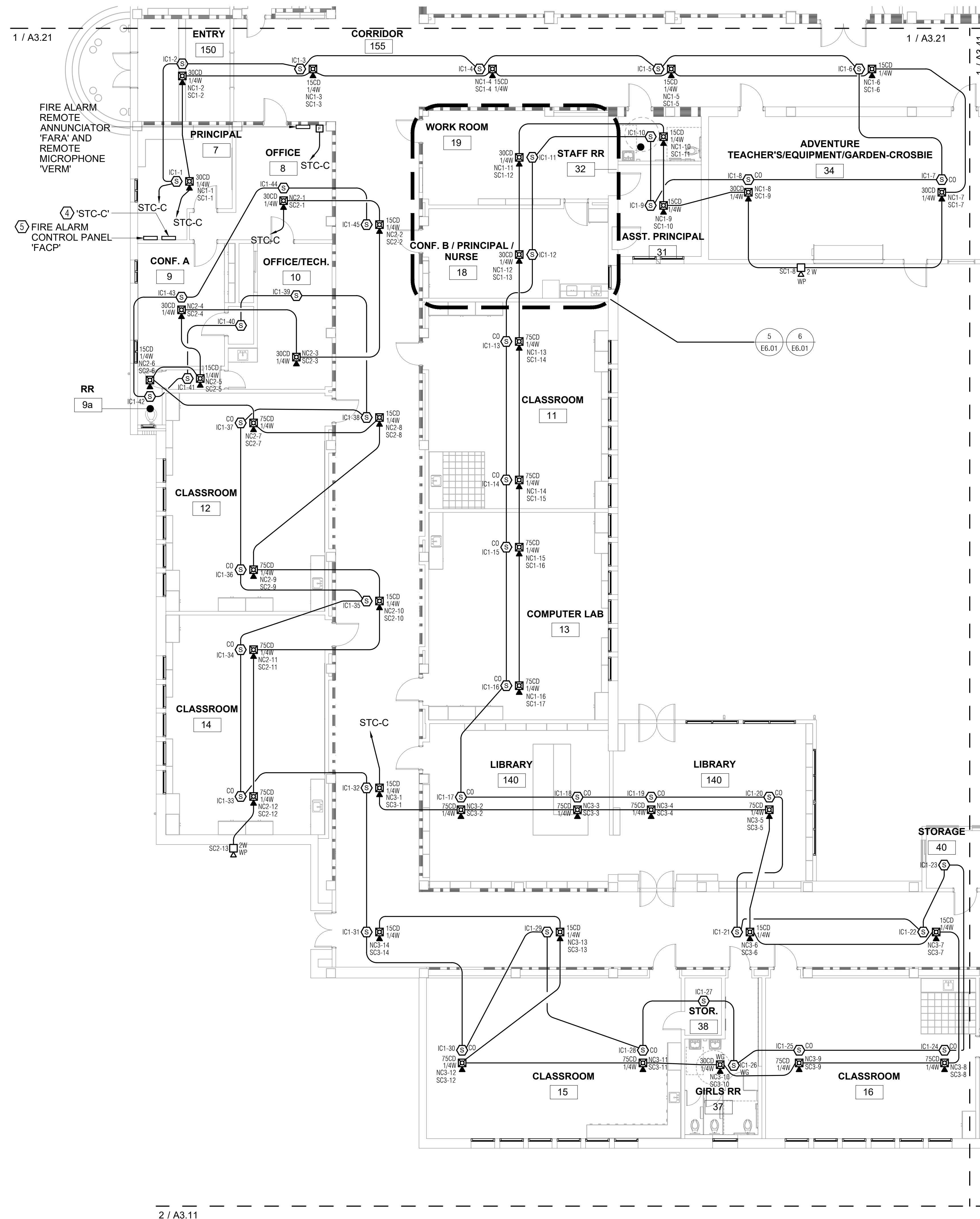
No.	Description	Date
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MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019

SHEET
**FIRE ALARM
 FLOOR PLANS
 - QUAD C**

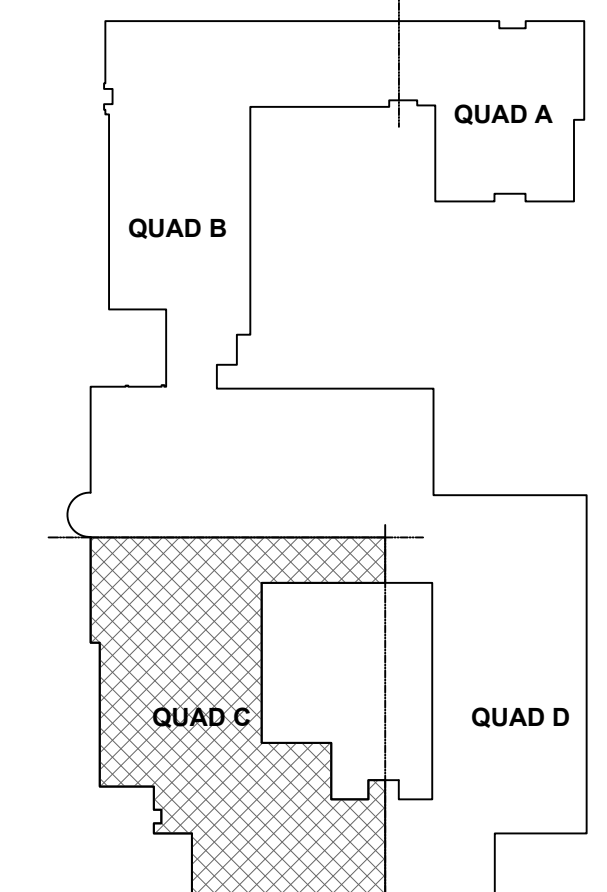
DATE 04/08/2019
 JOB # 2018044
 SHEET #

E3.31



1 FIRE ALARM FLOOR PLAN - QUAD C
 SCALE: 1/8" = 1'-0"

BUILDING KEY



05/02/2019

SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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 SS FLS ACS
 DATE: 05/03/2019

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PROJECT
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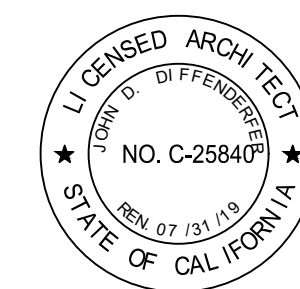
Grass Valley School District

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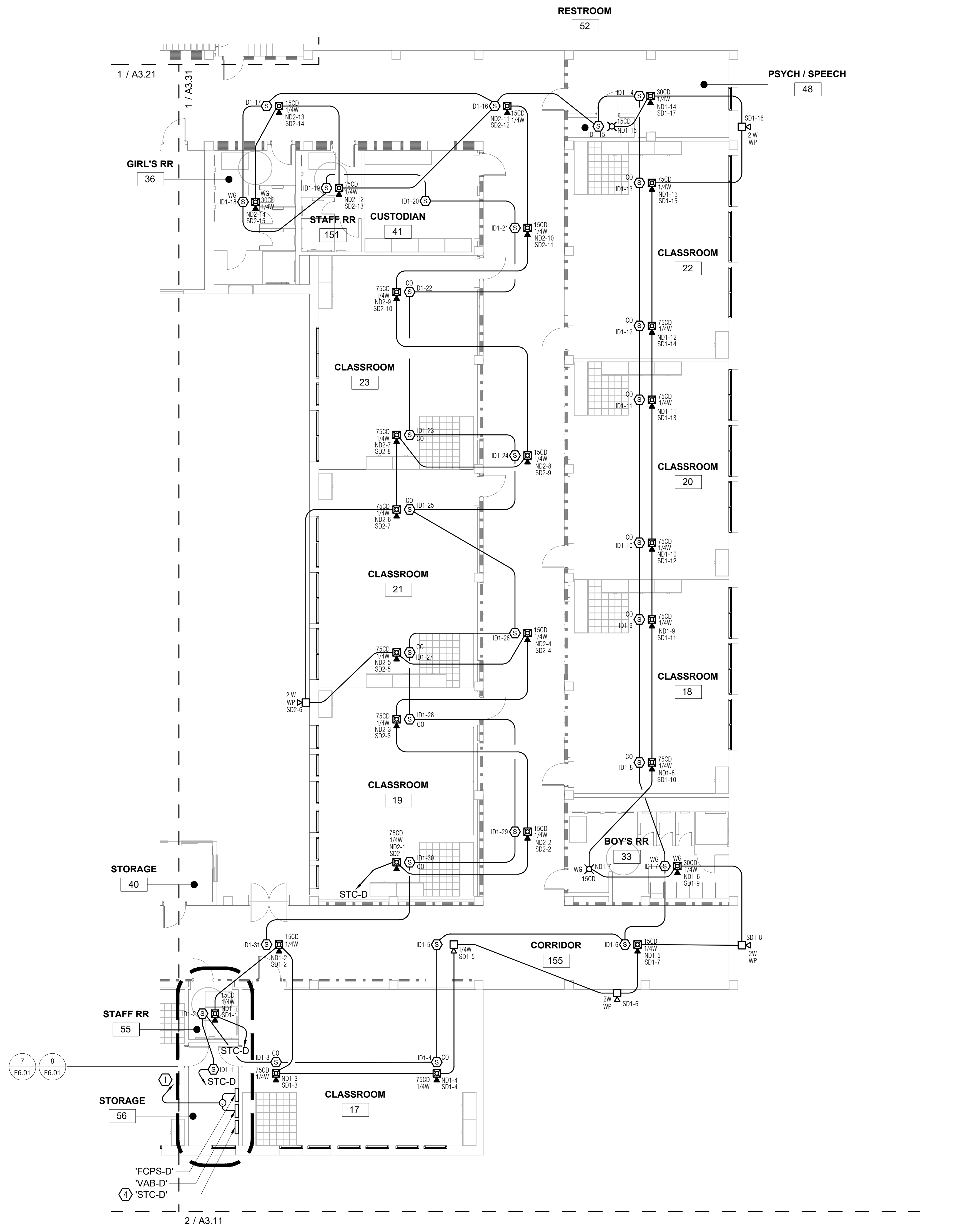
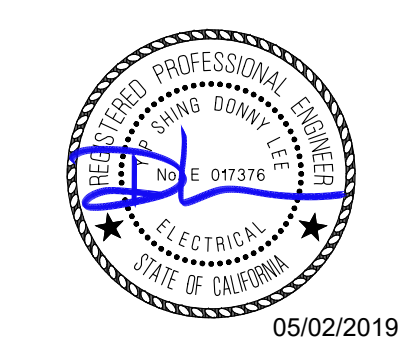
MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

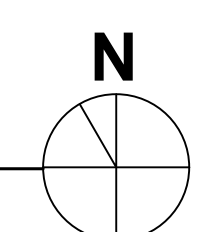
SHEET
FIRE ALARM FLOOR PLANS - QUAD D

DATE 04/08/2019
 JOB # 2018044
 SHEET #

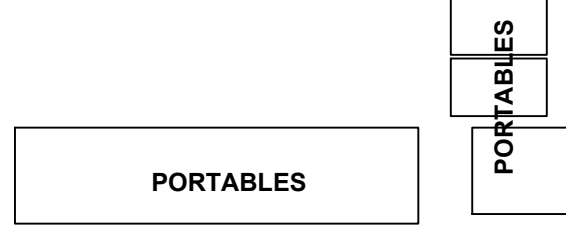
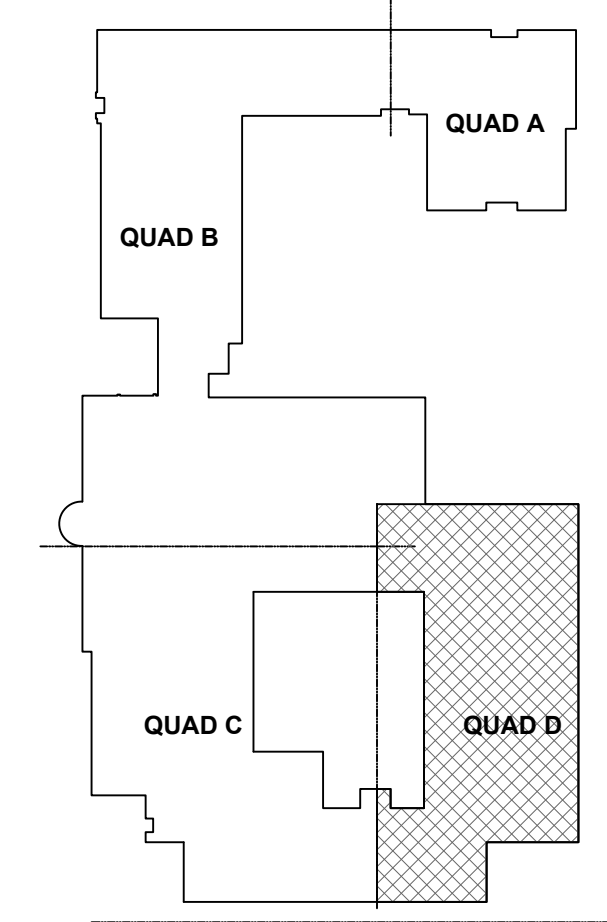
E3.41



1 FIRE ALARM FLOOR PLAN - QUAD D
 SCALE: 1/8" = 1'-0"



BUILDING KEY



SHEET NOTES

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- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

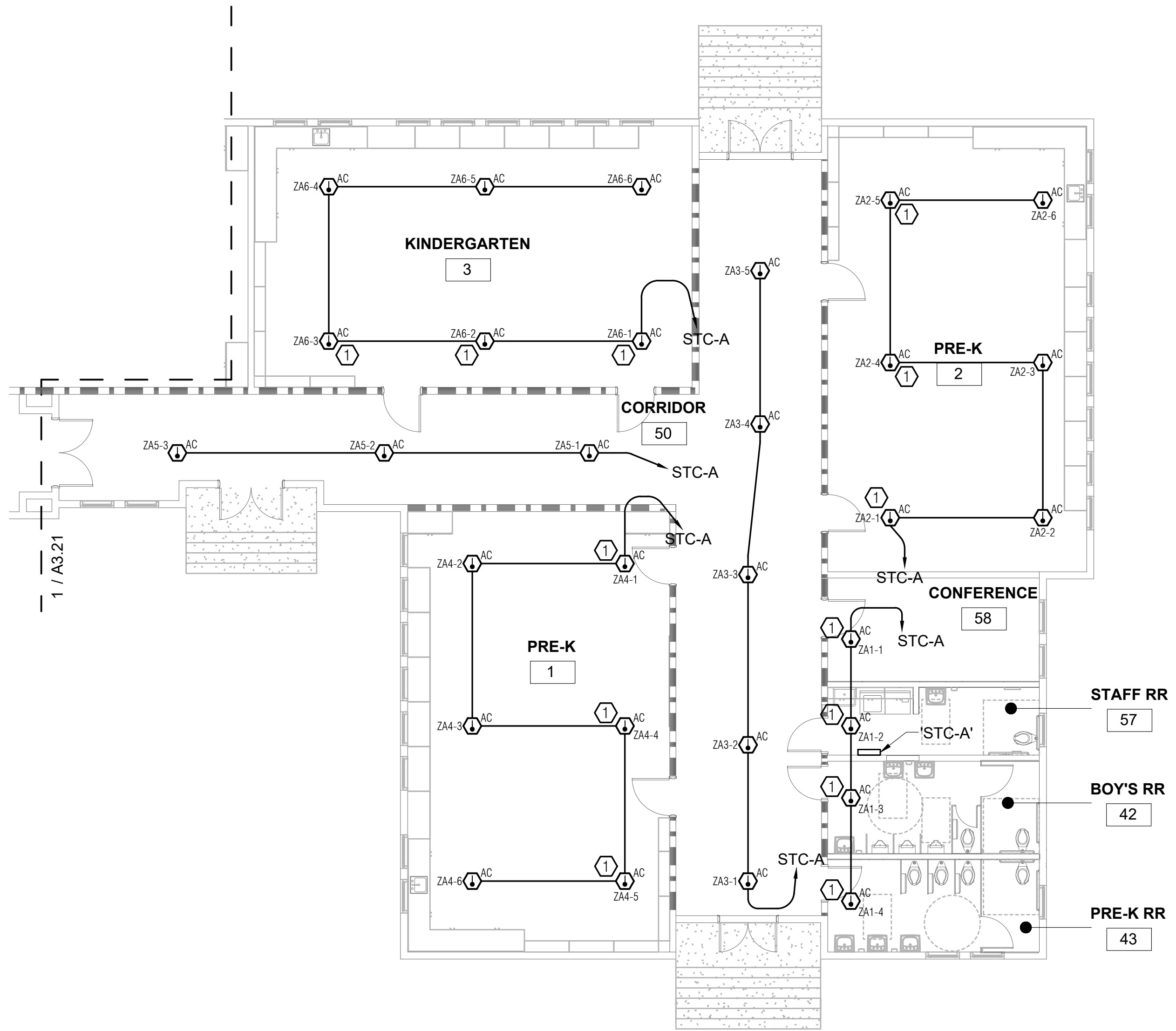
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NUMBERED NOTES

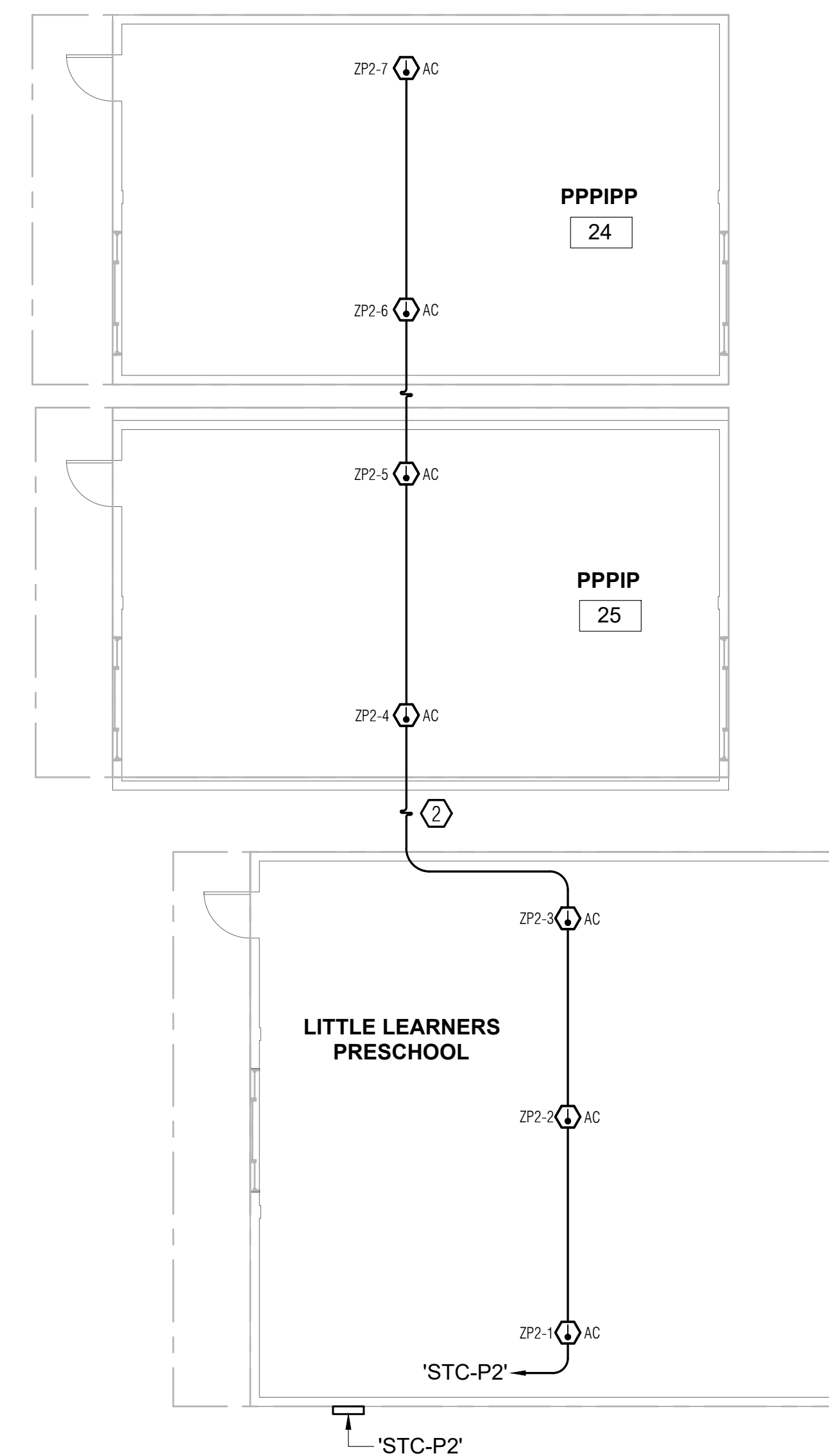
- LOCATE WITHIN 3'-0" OF PEAK.
- SPAN BETWEEN BUILDINGS USING SEAL TITE FLEX, TYPICAL.



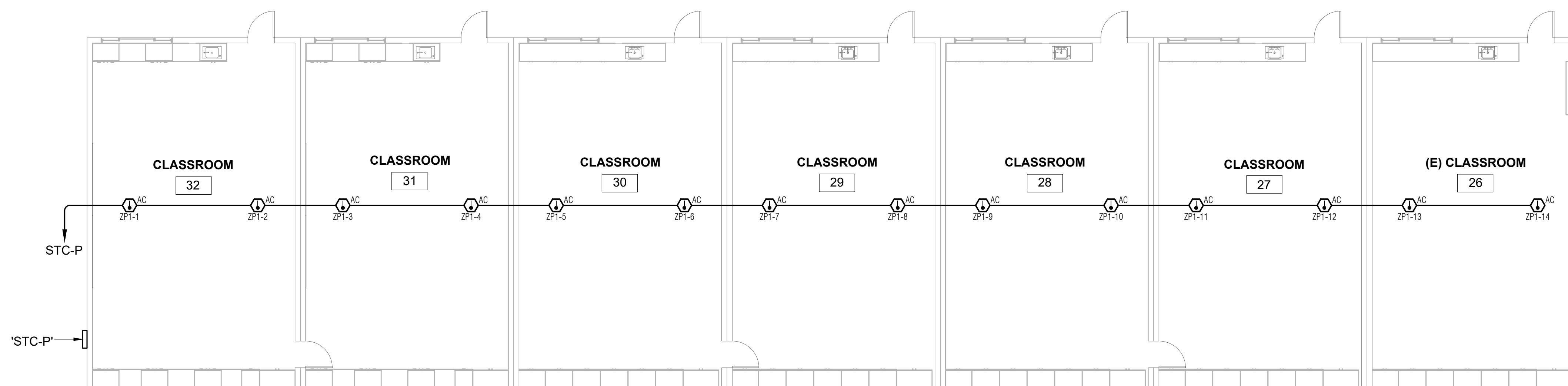
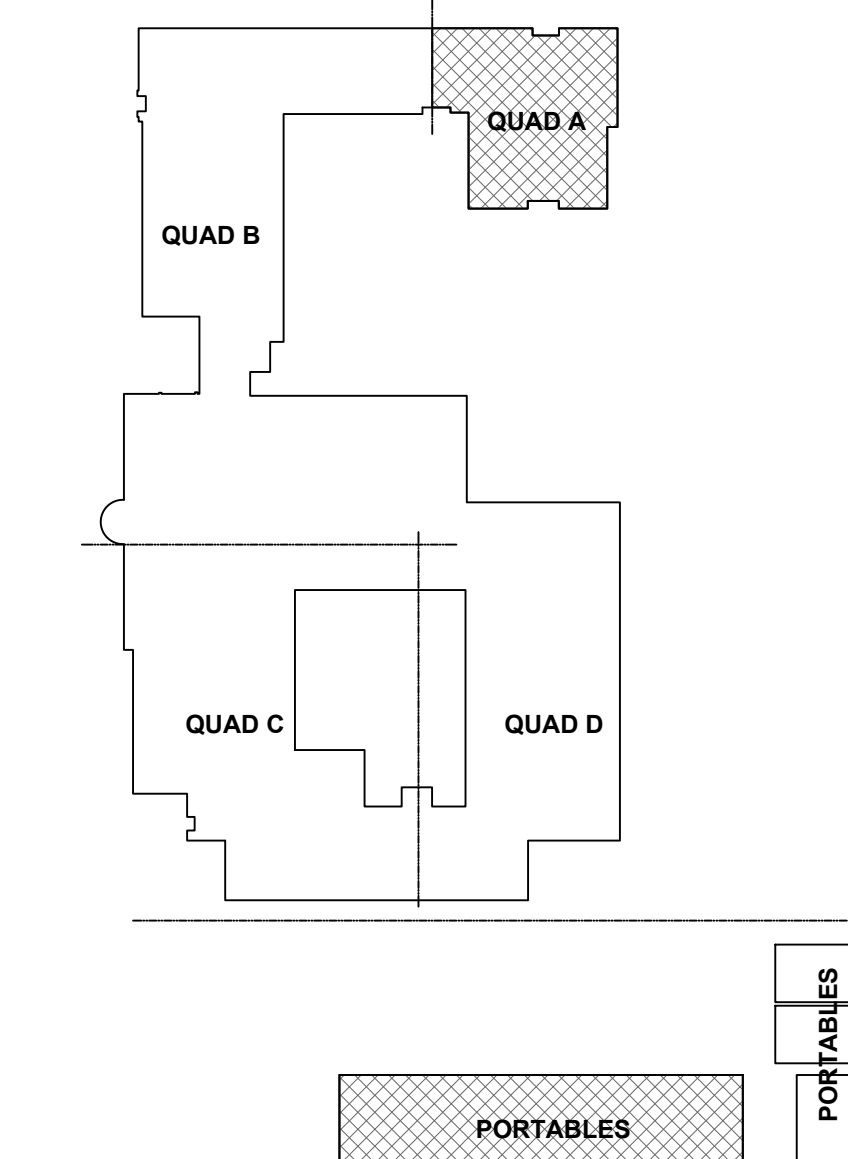
NOTE: LOCATIONS OF DETECTORS ARE BASED ON AVAILABLE RECORD DRAWINGS (FROM 1930'S & 1940'S) AND CASUAL FIELD OBSERVANCE. ACTUAL LOCATIONS SHALL BE FIELD COORDINATED TO PROVIDE TOTAL (COMPLETE) COVERAGE IN ACCORDANCE WITH 2016 NFPA 72 CHAPTER 17, SPECIFICALLY, PARAGRAPHS 17.5.3.1 AND 17.6.3 (ROOF AND FLOOR ARE CONSIDERED CEILINGS FOR THIS PLAN). PROVIDE ADDITIONAL DETECTORS WHERE (E) CONDITIONS REQUIRE.

1 ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD A
 SCALE: 1/8" = 1'-0"

1 / A3.31 1 / A3.41



BUILDING KEY



NOTE: LOCATIONS OF DETECTORS ARE BASED ON AVAILABLE RECORD DRAWINGS (FROM 1930'S & 1940'S) AND CASUAL FIELD OBSERVANCE. ACTUAL LOCATIONS SHALL BE FIELD COORDINATED TO PROVIDE TOTAL (COMPLETE) COVERAGE IN ACCORDANCE WITH 2016 NFPA 72 CHAPTER 17, SPECIFICALLY, PARAGRAPHS 17.5.3.1 AND 17.6.3 (ROOF AND FLOOR ARE CONSIDERED CEILINGS FOR THIS PLAN). PROVIDE ADDITIONAL DETECTORS WHERE (E) CONDITIONS REQUIRE.

2 ABOVE CEILING HEAT DETECTORS FLOOR PLAN - PORTABLES
 SCALE: 1/8" = 1'-0"

PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



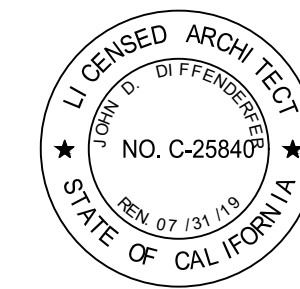
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MILESTONES

SD
 DD
 50% CD
 90% CD
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SHEET

ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD A & PORTABLES

DATE 04/08/2019

JOB # 2018044

SHEET #

E4.11



05/02/2019

SHEET NOTES

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NUMBERED NOTES

- ① LOCATE WITHIN 3'-0" OF PEAK.

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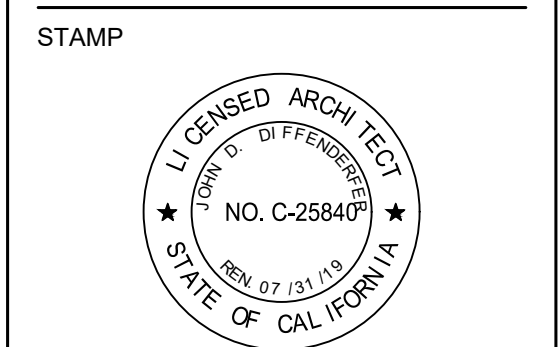
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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



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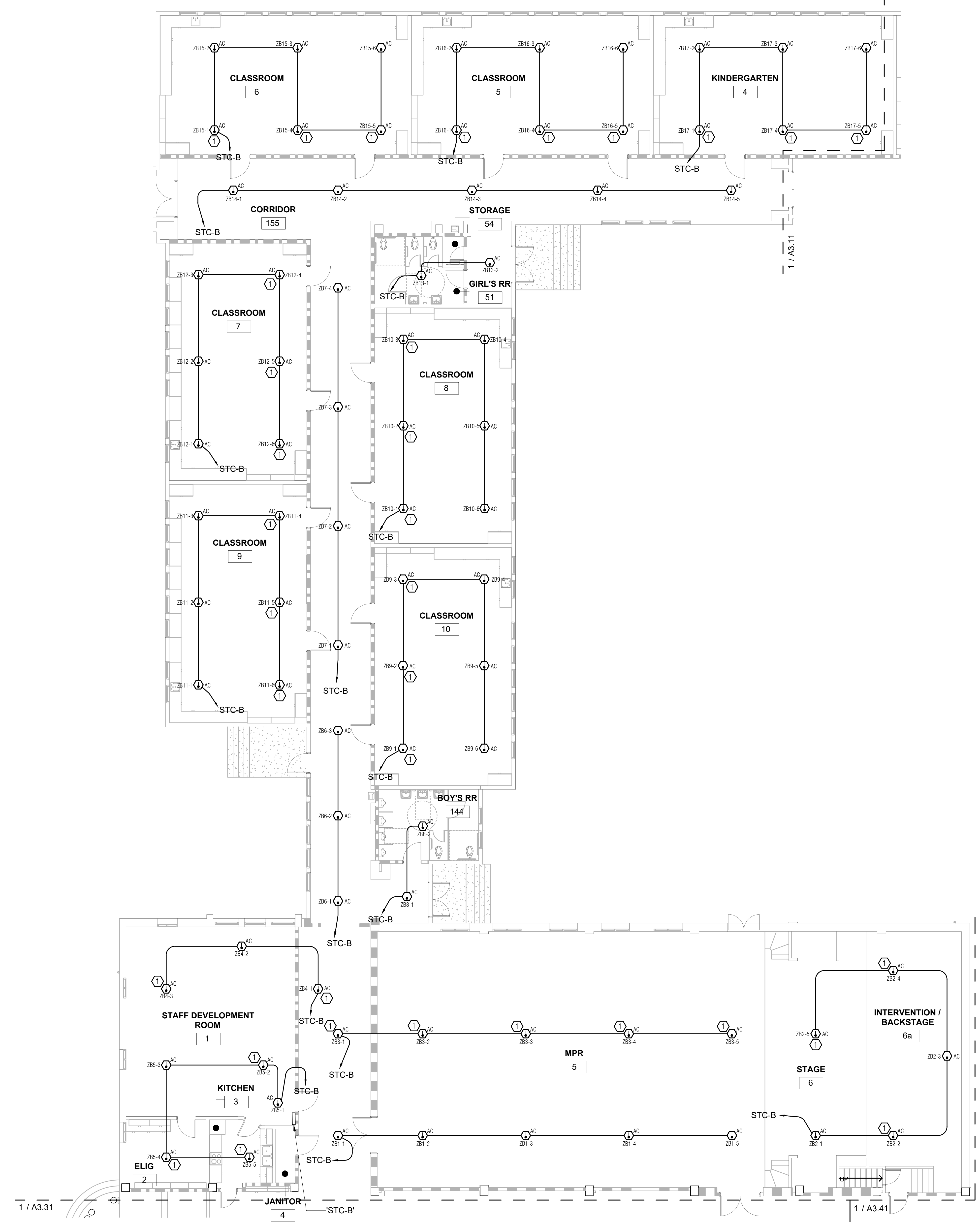
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MILESTONES

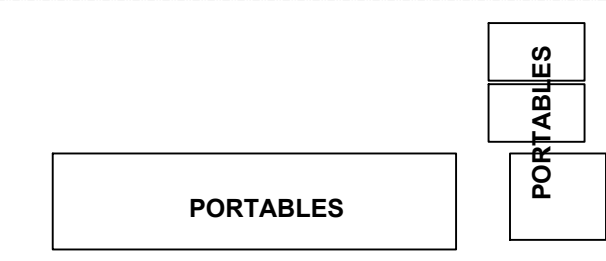
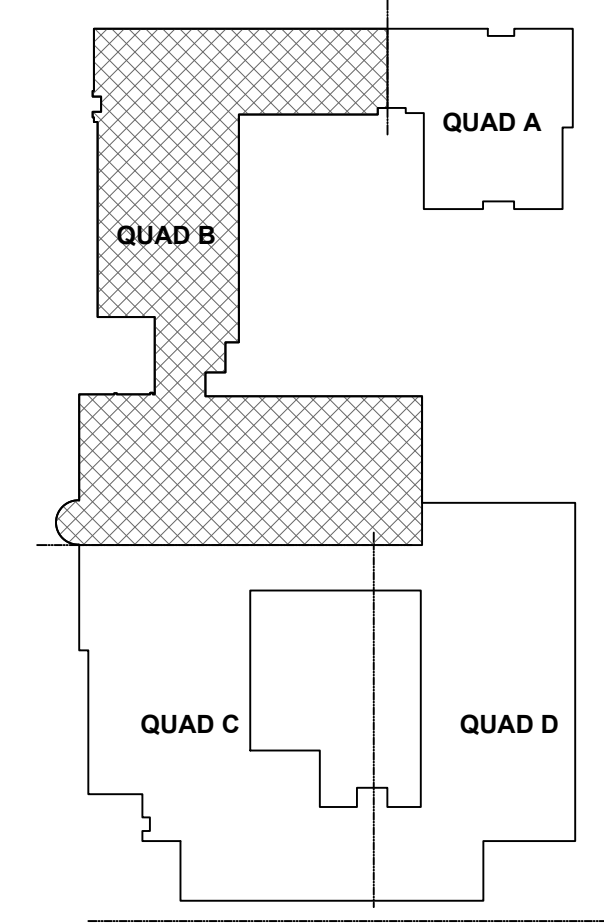
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DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

SHEET
ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD B

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E4.21**

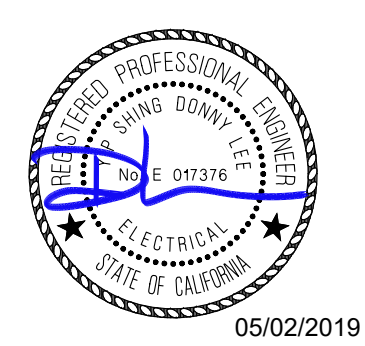
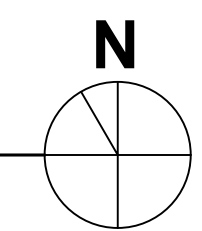


BUILDING KEY



NOTE : LOCATIONS OF DETECTORS ARE BASED ON AVAILABLE RECORD DRAWINGS (FROM 1930'S & 1940'S) AND CASUAL FIELD OBSERVANCE. ACTUAL LOCATIONS SHALL BE FIELD COORDINATED TO PROVIDE TOTAL (COMPLETE) COVERAGE IN ACCORDANCE WITH 2016 NFPA 72 CHAPTER 17, SPECIFICALLY, PARAGRAPHS 17.5.3.1 AND 17.6.3 (ROOF AND FLOOR ARE CONSIDERED CEILINGS FOR THIS PLAN). PROVIDE ADDITIONAL DETECTORS WHERE (E) CONDITIONS REQUIRE.

① **ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD B**
 SCALE: 1/8" = 1'-0"



05/02/2019

SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

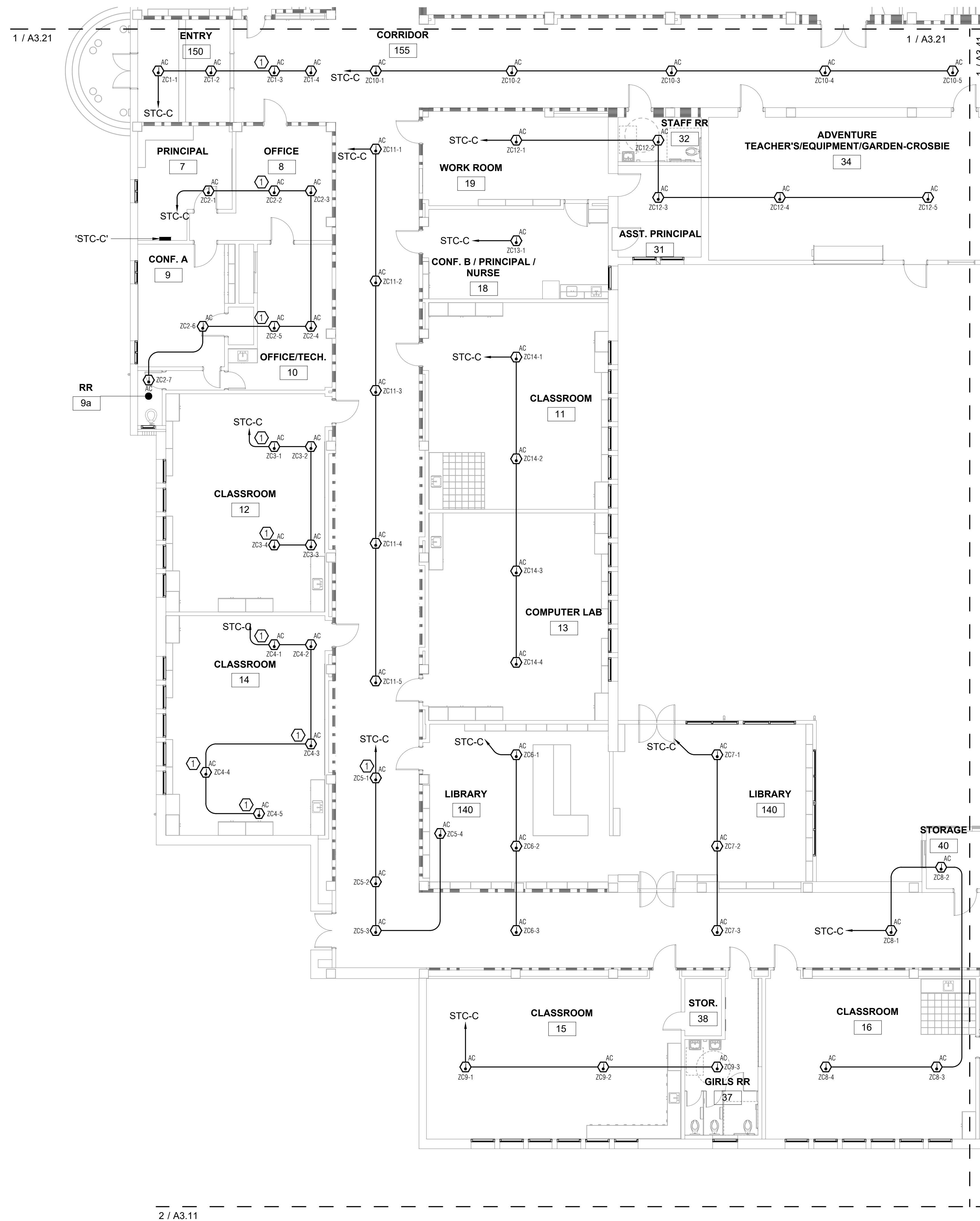
IDENTIFICATION STAMP
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 APP. 02-117269 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 05/03/2019

NUMBERED NOTES

- ① LOCATE WITHIN 3'-0" OF PEAK.

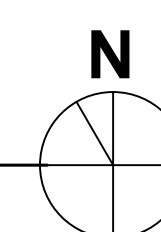
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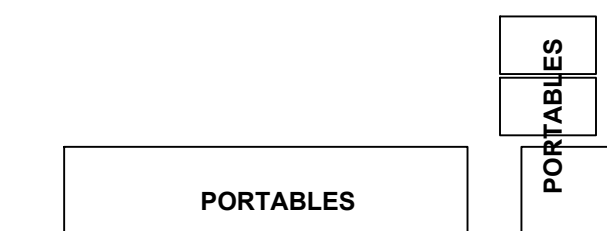
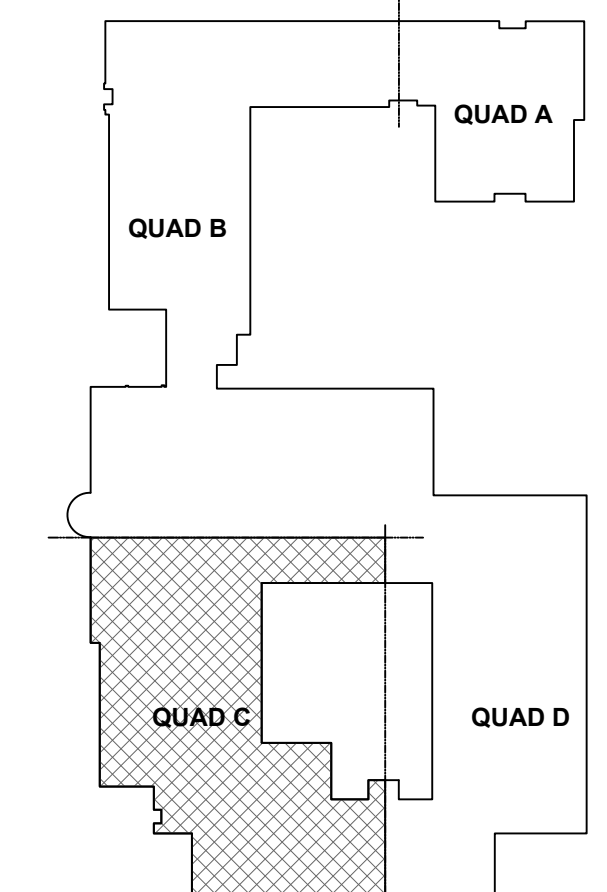


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① **ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD C**
 SCALE: 1/8" = 1'-0"



BUILDING KEY

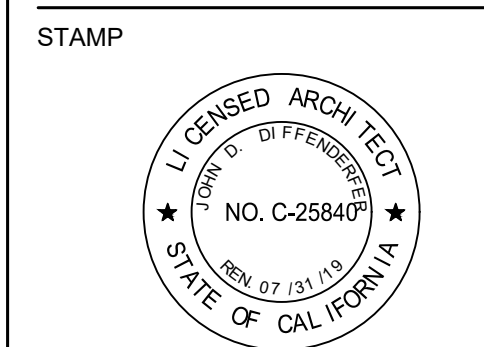


PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT

CONSULTANT
EDGE ELECTRICAL CONSULTING
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 Project Number: F397
 Contact: JEFF



STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
△		

MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

SHEET
ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD C

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E4.31**

05/02/2019

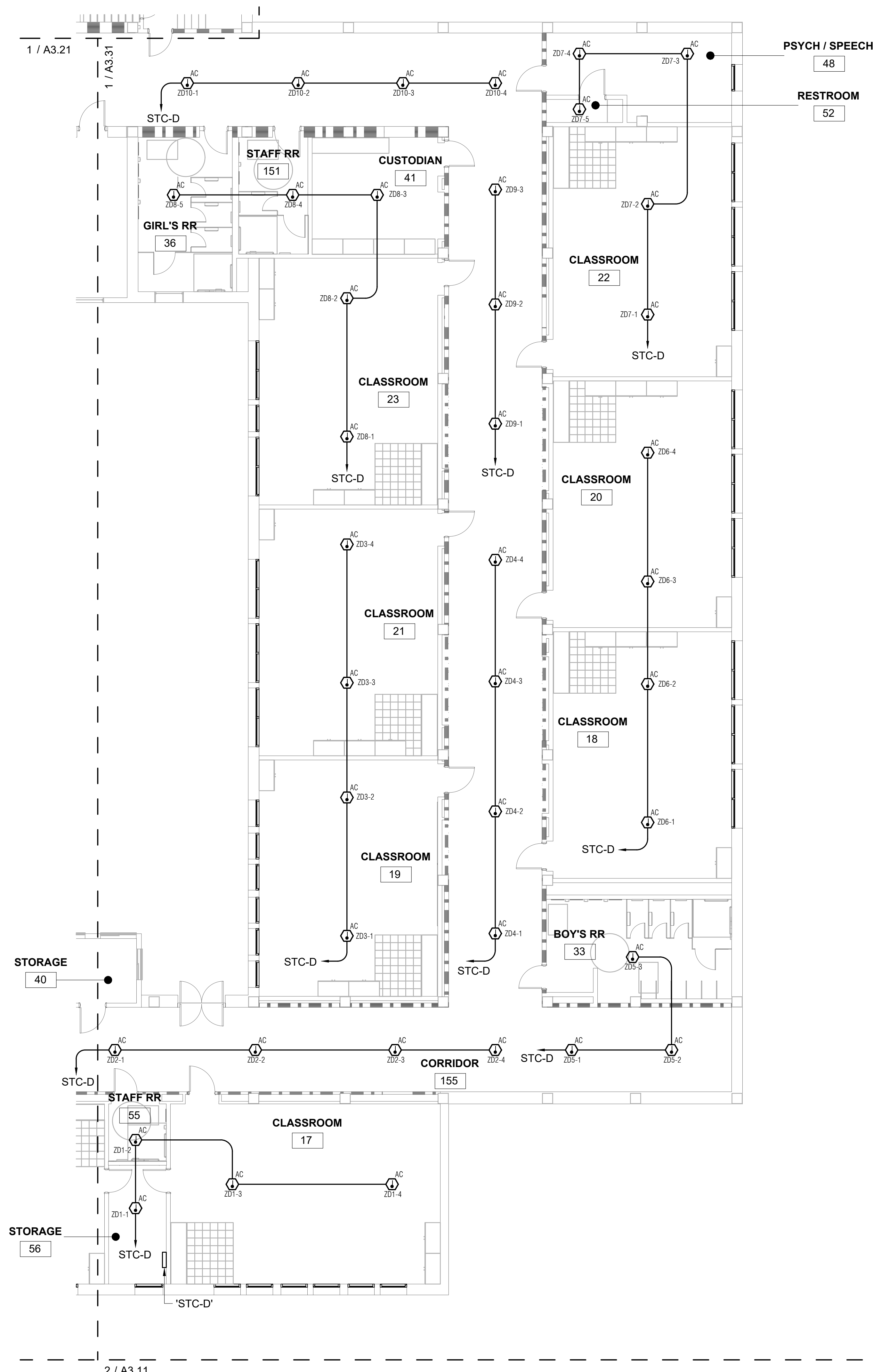
SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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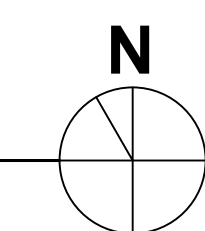
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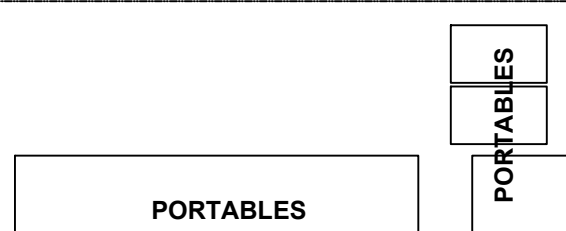
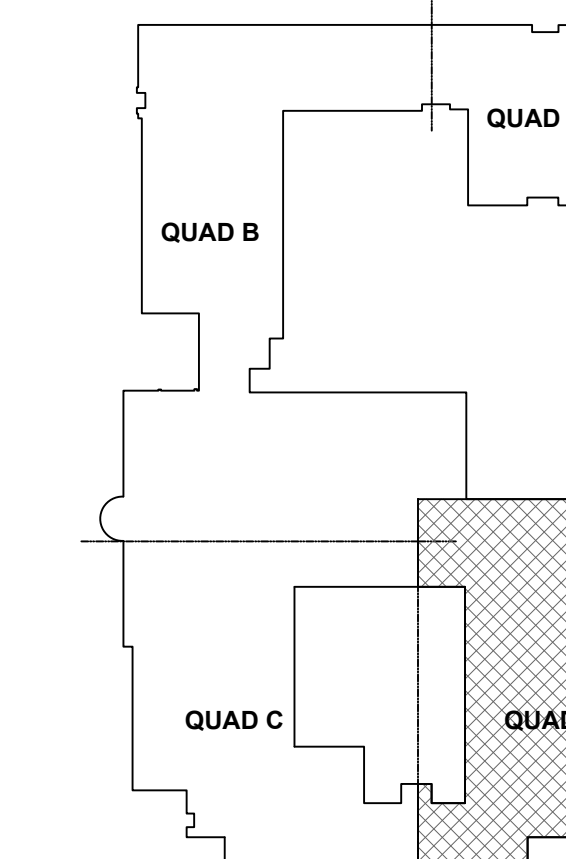


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1 ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD D
 SCALE: 1/8" = 1'-0"



BUILDING KEY



PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



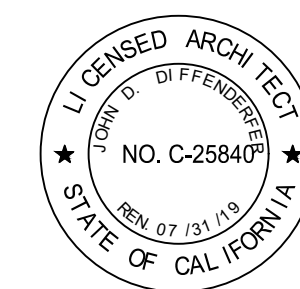
Grass Valley School District

GRASS VALLEY SCHOOL DISTRICT

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STATE
 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
1		

MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019

SHEET
ABOVE CEILING HEAT DETECTORS FLOOR PLAN - QUAD D

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E4.41**



05/02/2019

SHEET NOTES

- REFER TO FIRE ALARM RISER DIAGRAMS FOR CONDUIT AND WIRE.
- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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PROJECT
**GRASS VALLEY
 CHARTER SCHOOL
 MODERNIZATION
 2019**



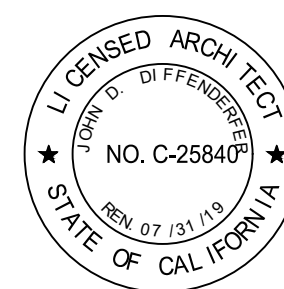
Grass Valley
 School District

GRASS VALLEY SCHOOL
 DISTRICT

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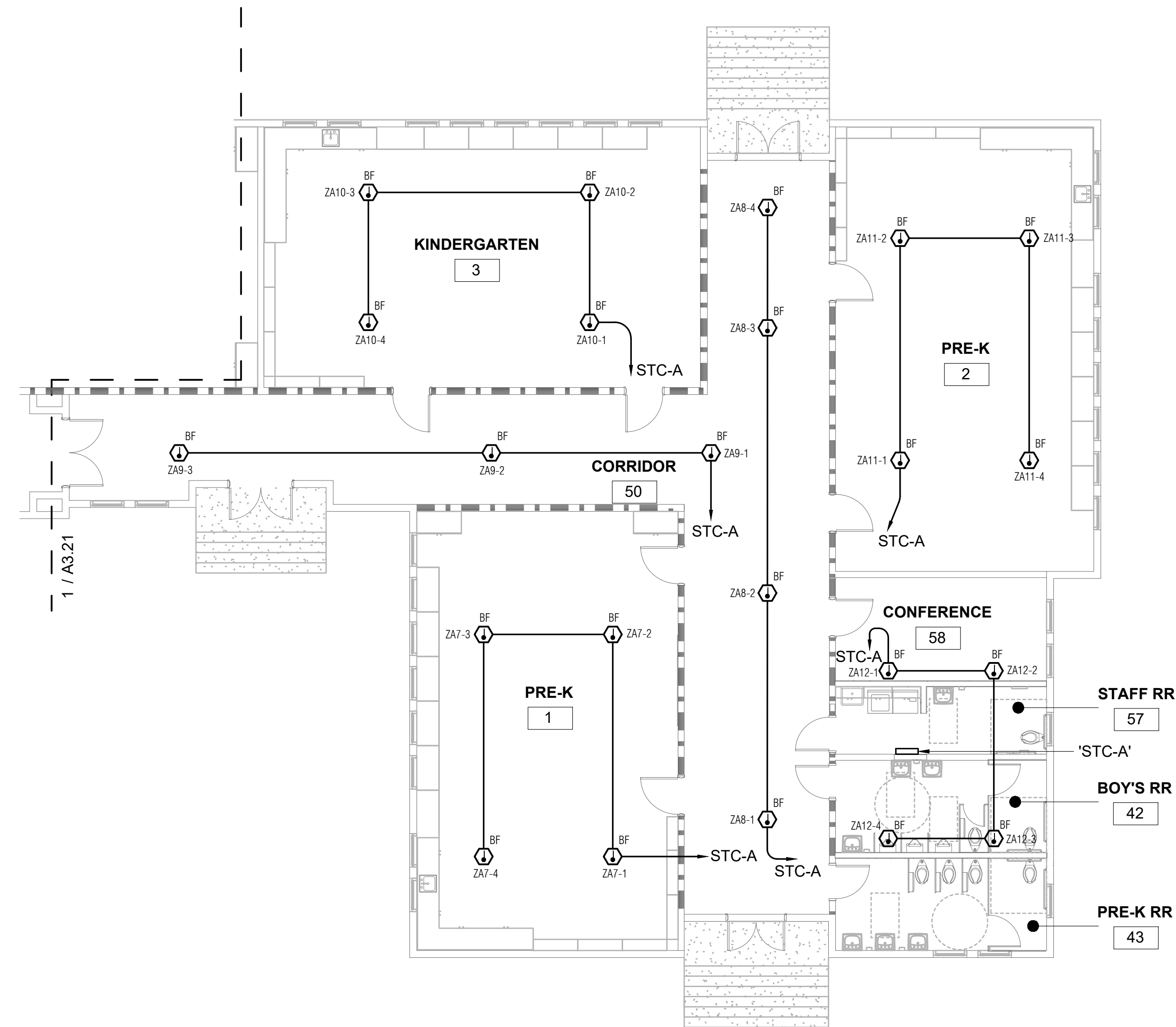
No.	Description	Date
△		

MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019

SHEET
**BELOW FLOOR
 HEAT DETECTORS
 FLOOR PLAN
 - QUAD A**

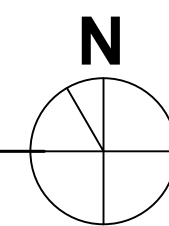
DATE 04/08/2019
 JOB # 2018044
 SHEET #

E5.11

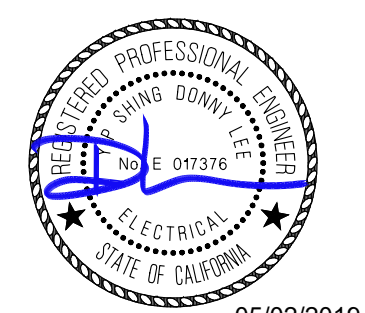
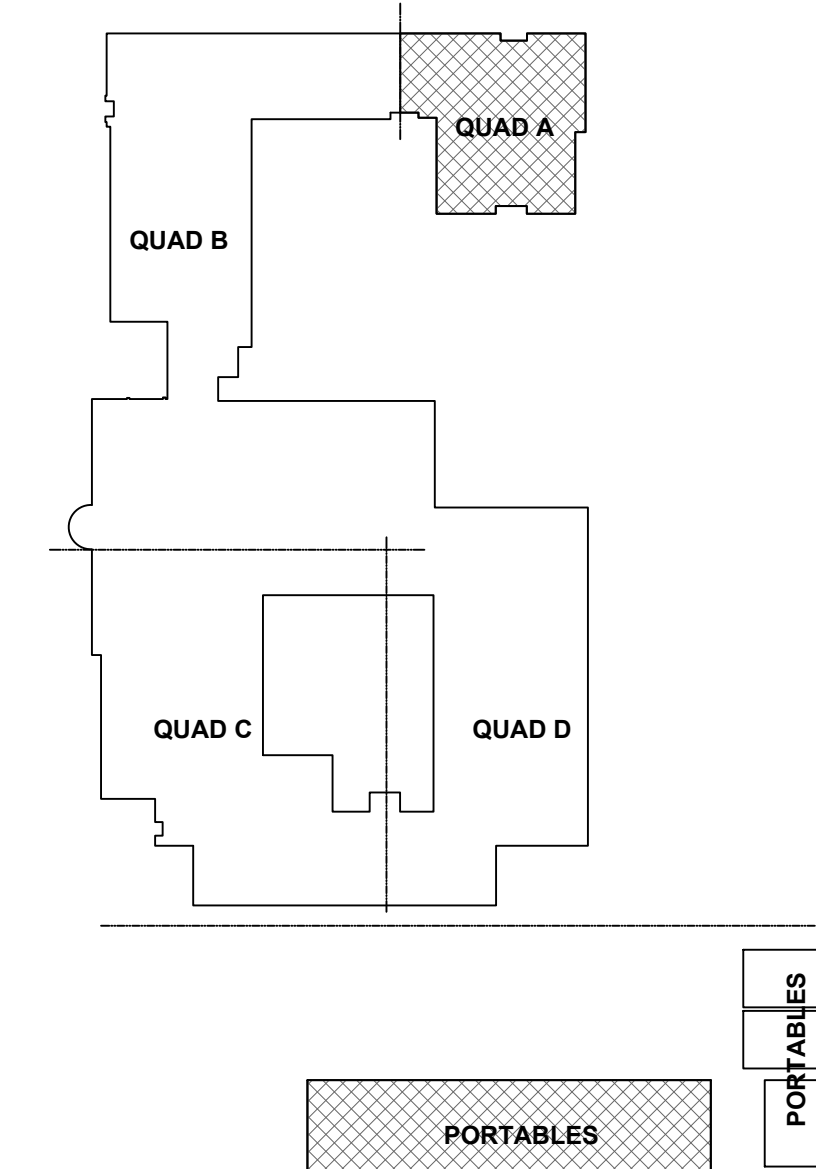


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1 BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD A
 SCALE: 1/8" = 1'-0"



BUILDING KEY



05/02/2019

SHEET NOTES

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- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
- REMOVE (E) FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED RACEWAYS AND WIRING.

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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



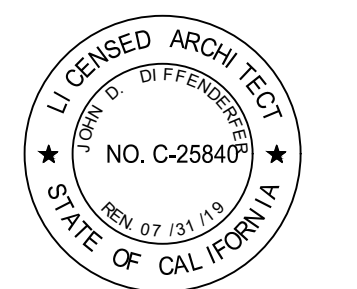
Grass Valley School District

GRASS VALLEY SCHOOL DISTRICT

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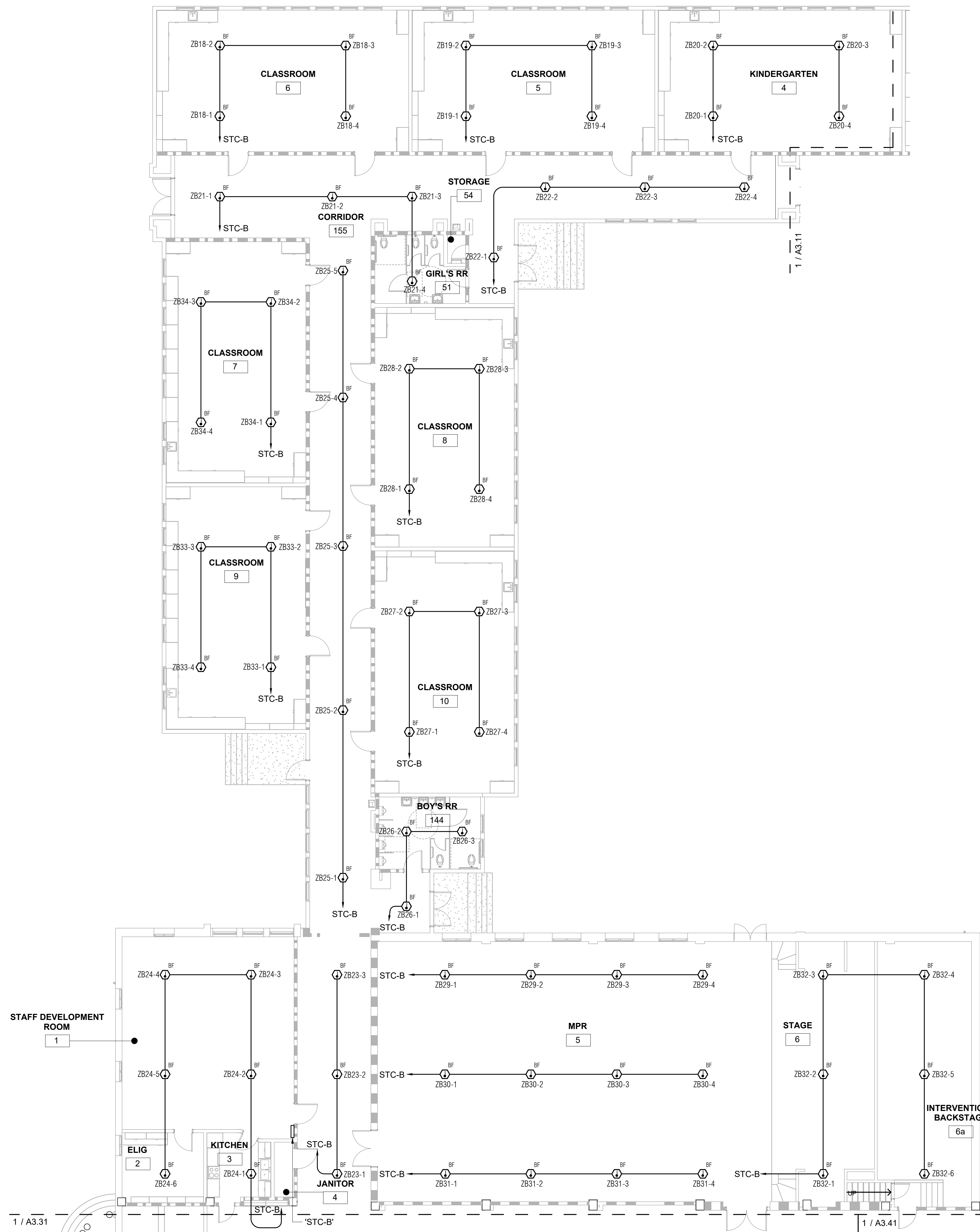
No.	Description	Date
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MILESTONES

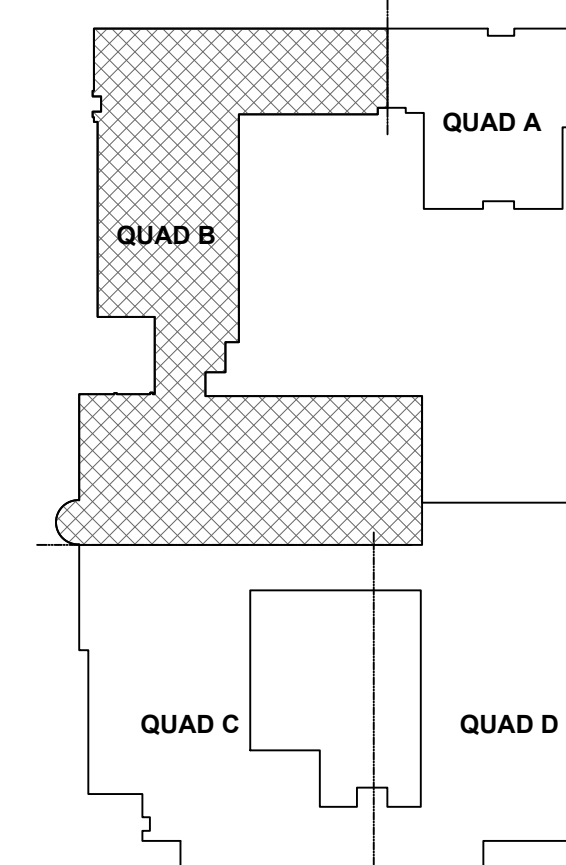
SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

SHEET
BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD B

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E5.21**

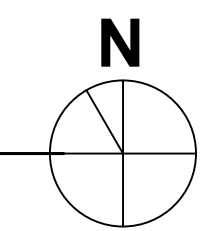


BUILDING KEY



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1 BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD B
 SCALE: 1/8" = 1'-0"



05/02/2019

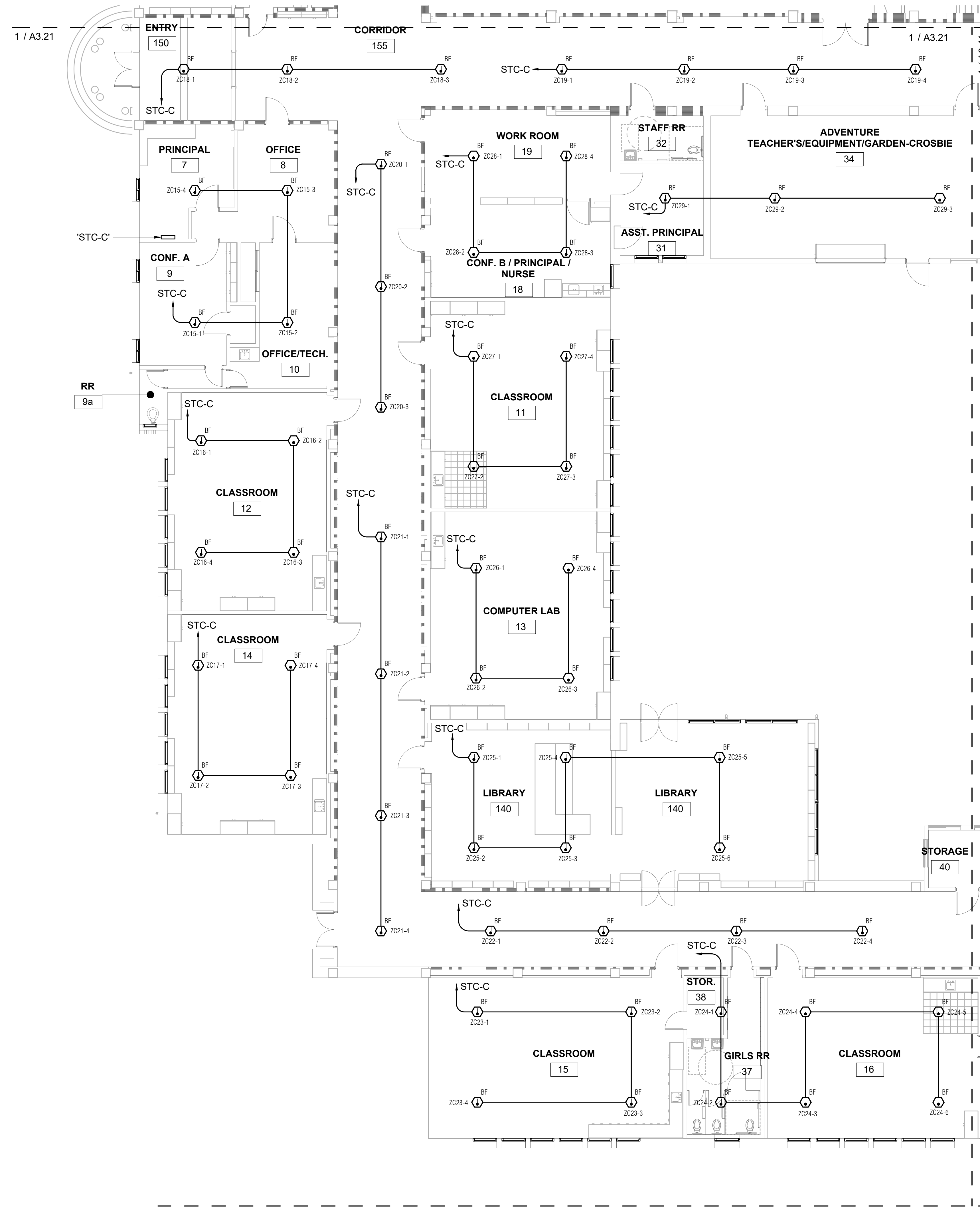
SHEET NOTES

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- MOUNT VAB AND FCPS WITH TOPS AT 3" BELOW CEILING.
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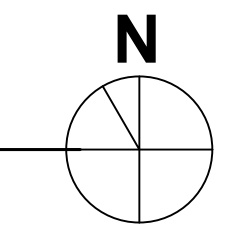
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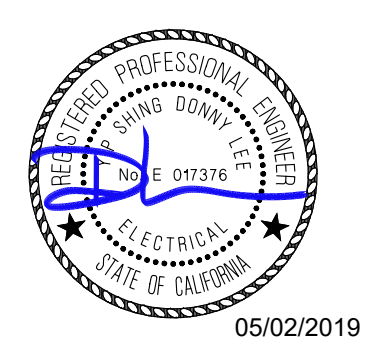
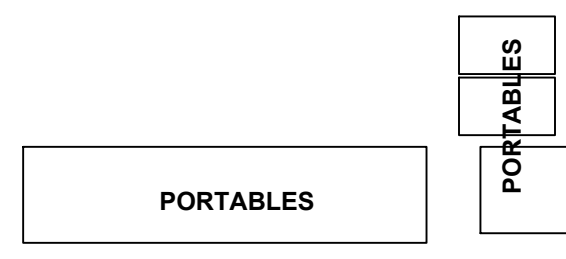
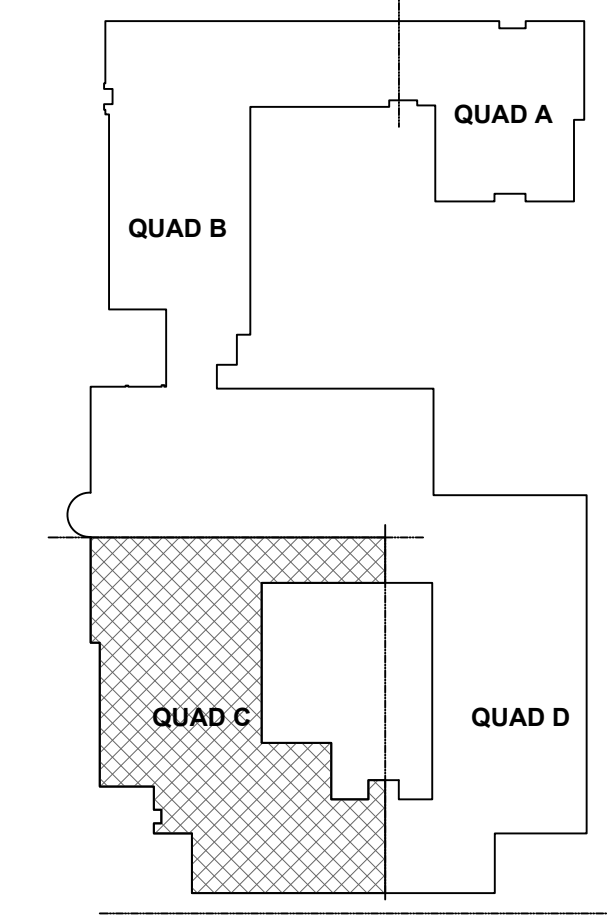
2 / A3.11

NOTE : LOCATIONS OF DETECTORS ARE BASED ON AVAILABLE RECORD DRAWINGS (FROM 1930'S & 1940'S) AND CASUAL FIELD OBSERVANCE. ACTUAL LOCATIONS SHALL BE FIELD COORDINATED TO PROVIDE TOTAL (COMPLETE) COVERAGE IN ACCORDANCE WITH 2016 NFPA 72 CHAPTER 17, SPECIFICALLY, PARAGRAPHS 17.5.3.1 AND 17.6.3 (ROOF AND FLOOR ARE CONSIDERED CEILINGS FOR THIS PLAN). PROVIDE ADDITIONAL DETECTORS WHERE (E) CONDITIONS REQUIRE.

1 BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD C
 SCALE: 1/8" = 1'-0"



BUILDING KEY

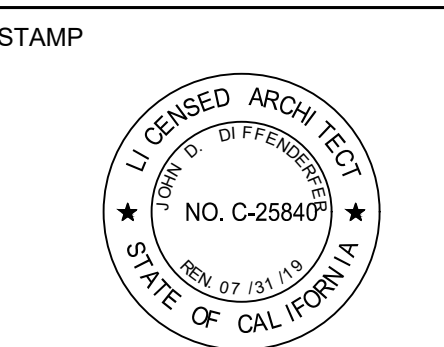


PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



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 Project Number: F397
 Contact: JEFF



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 DSA FILE NUMBER 29-11
 APPL # 02-117269

REVISIONS

No.	Description	Date
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MILESTONES

SD	
DD	
50% CD	
90% CD	
DSA SUB	01/18/2019

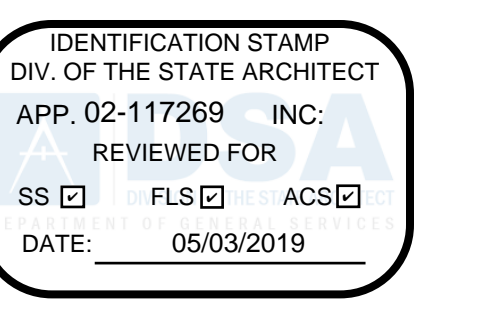
BELOW FLOOR HEAT DETECTORS FLOOR PLAN - QUAD C

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E5.31**

05/02/2019

NUMBERED NOTES

- ① (E) PANEL IN (N) LOCATION. PROVIDE (N) CABINET AND COVER AS REQUIRED.
- ② EXTEND EXISTING CIRCUITS (BOTH FROM ABOVE AND BELOW), CUT AND PATCH FLOOR AND CEILINGS AS REQUIRED.
- ③ REMOVE (E) DEVICE. REMOVE CONDUIT AND WIRE TO ALLOW FOR CONSTRUCTION CHANGES.
- ④ CONNECT TO (E) BREAKER.
- ⑤ DISCONNECT, REMOVE, AND PROTECT. REMOVE CONDUIT AND WIRE TO ALLOW FOR CONSTRUCTION CHANGES. PROTECT FEEDERS AND BRANCH CIRCUITS AT A POINT THAT WILL BE OUT OF INTERFERENCE WITH CONSTRUCTION. PROTECT FOR EXTENSION TO (N) LOCATION OF PANEL.



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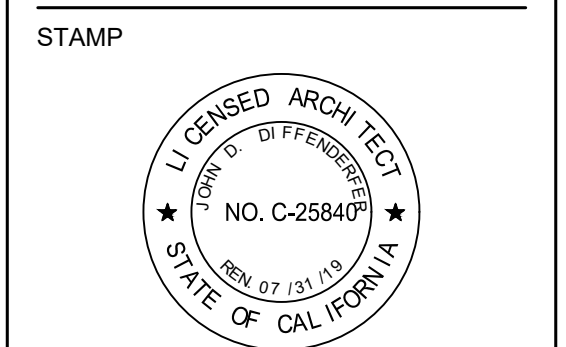
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PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
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DSA FILE NUMBER 29-11
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REVISIONS

No.	Description	Date
△		

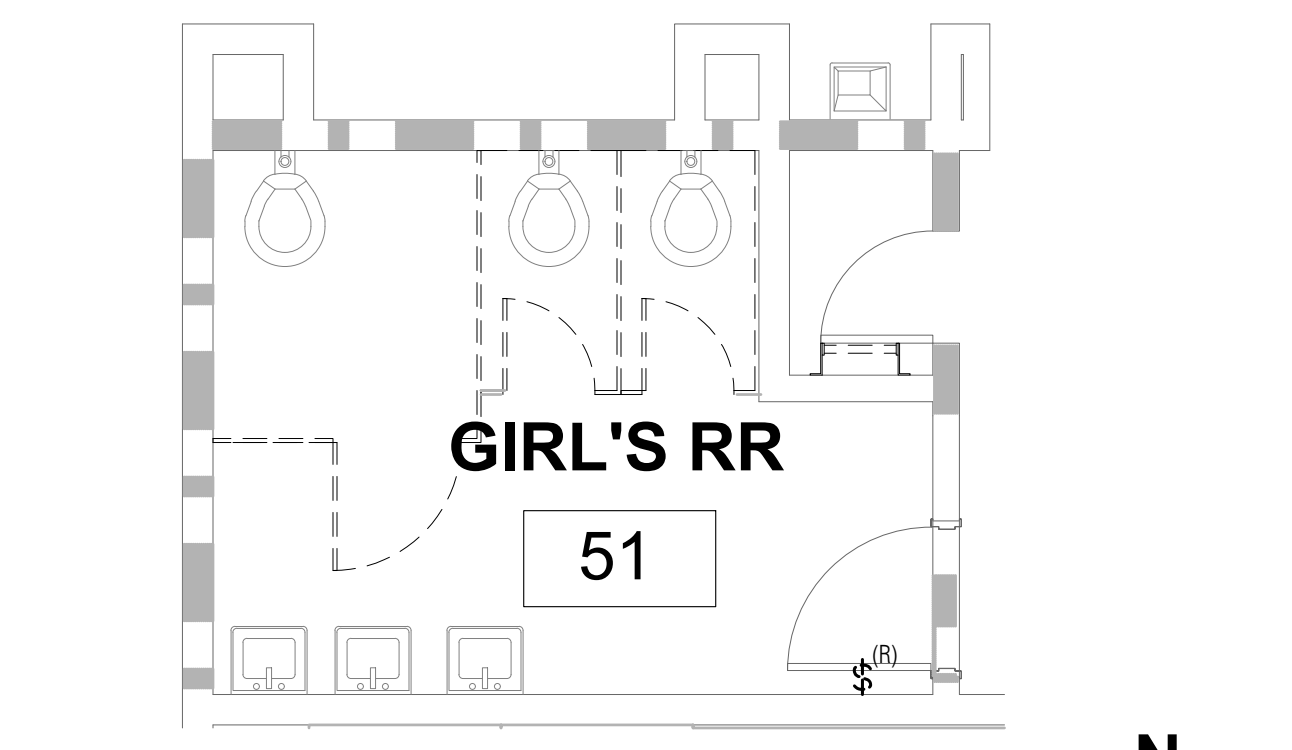
MILESTONES

SD
DD
50% CD
90% CD
DSA SUB
01/18/2019

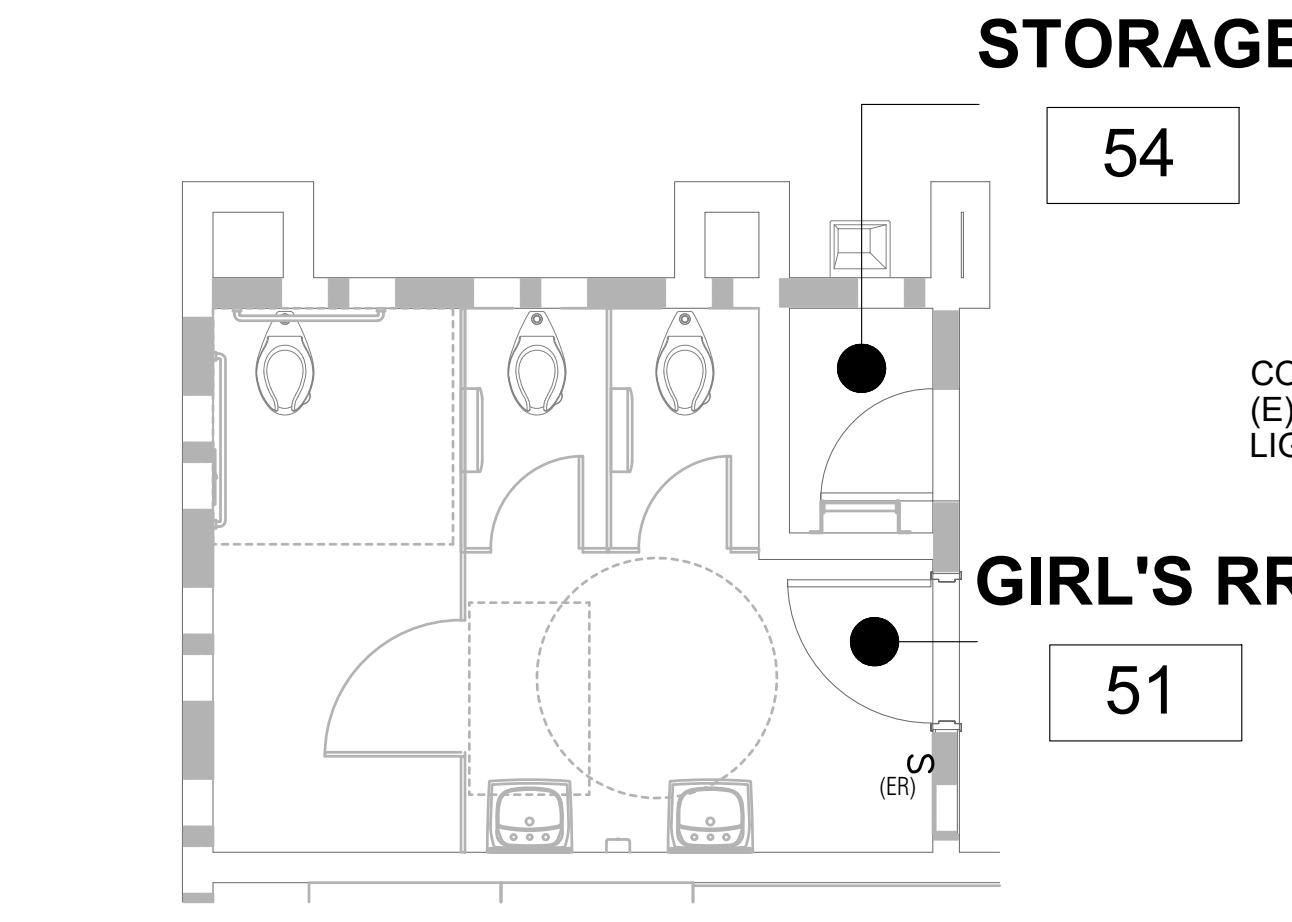
SHEET
PARTIAL FLOOR PLANS

DATE 04/08/2019
JOB # 2018044
SHEET #

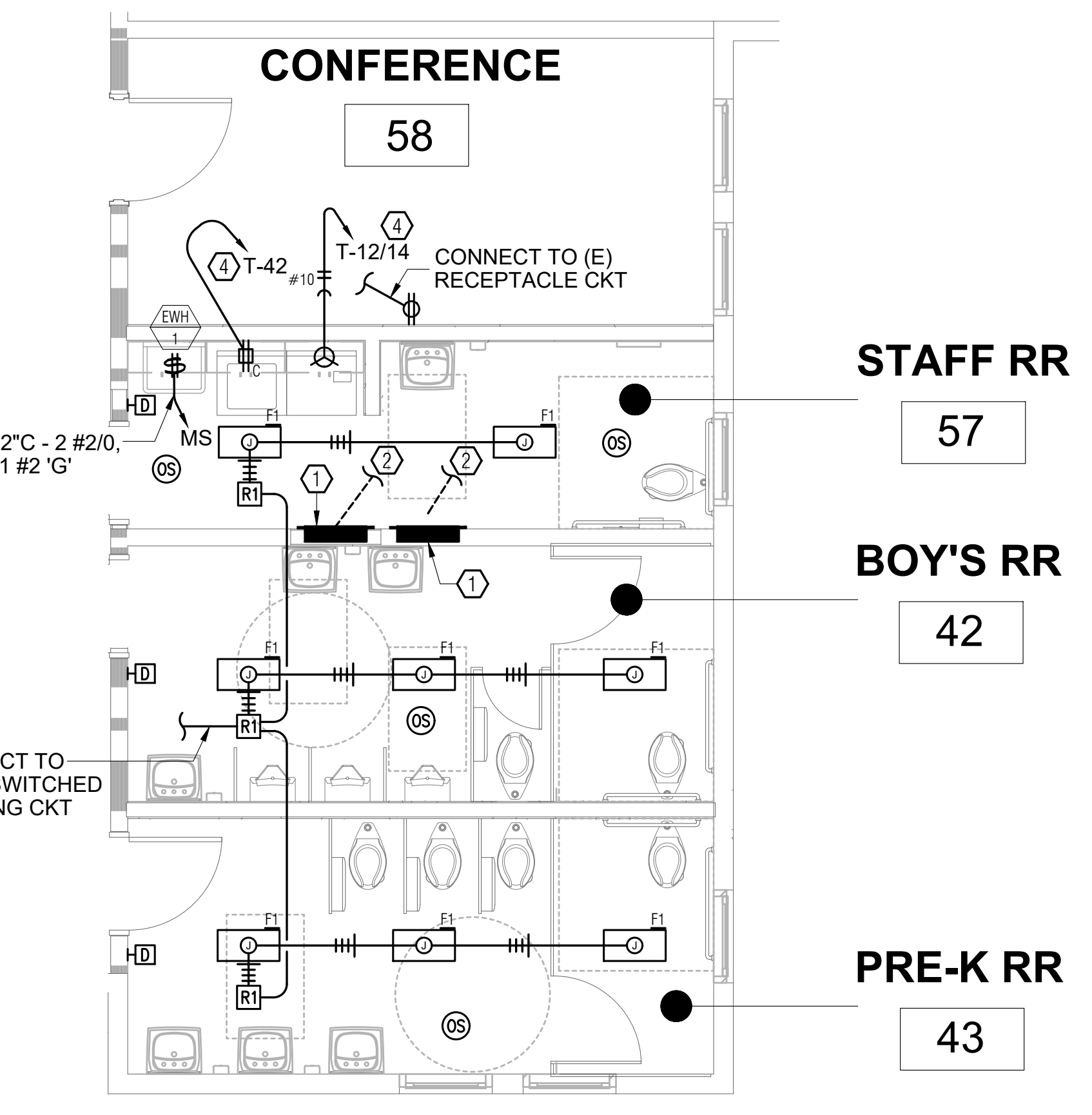
E6.01



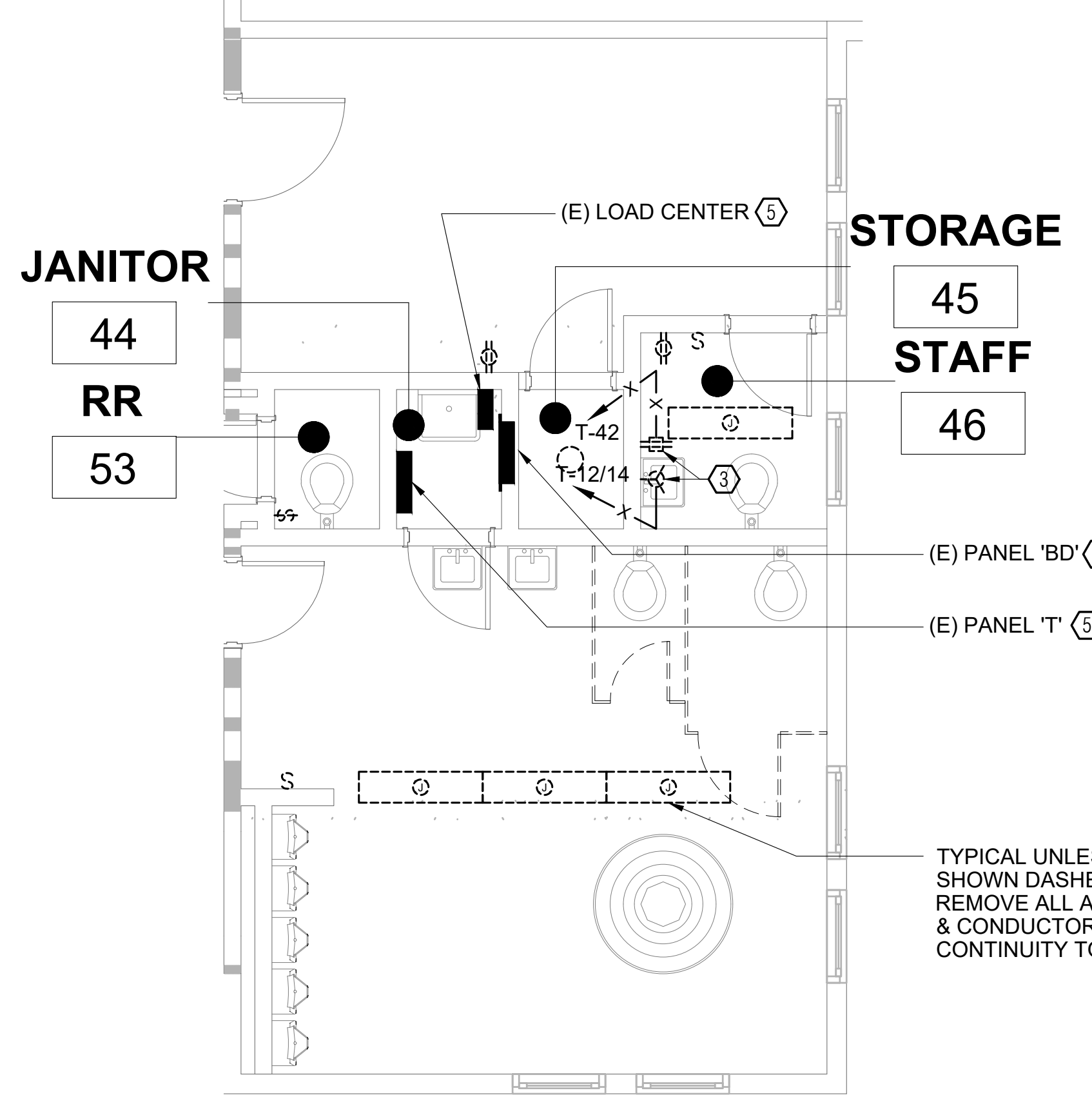
3 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



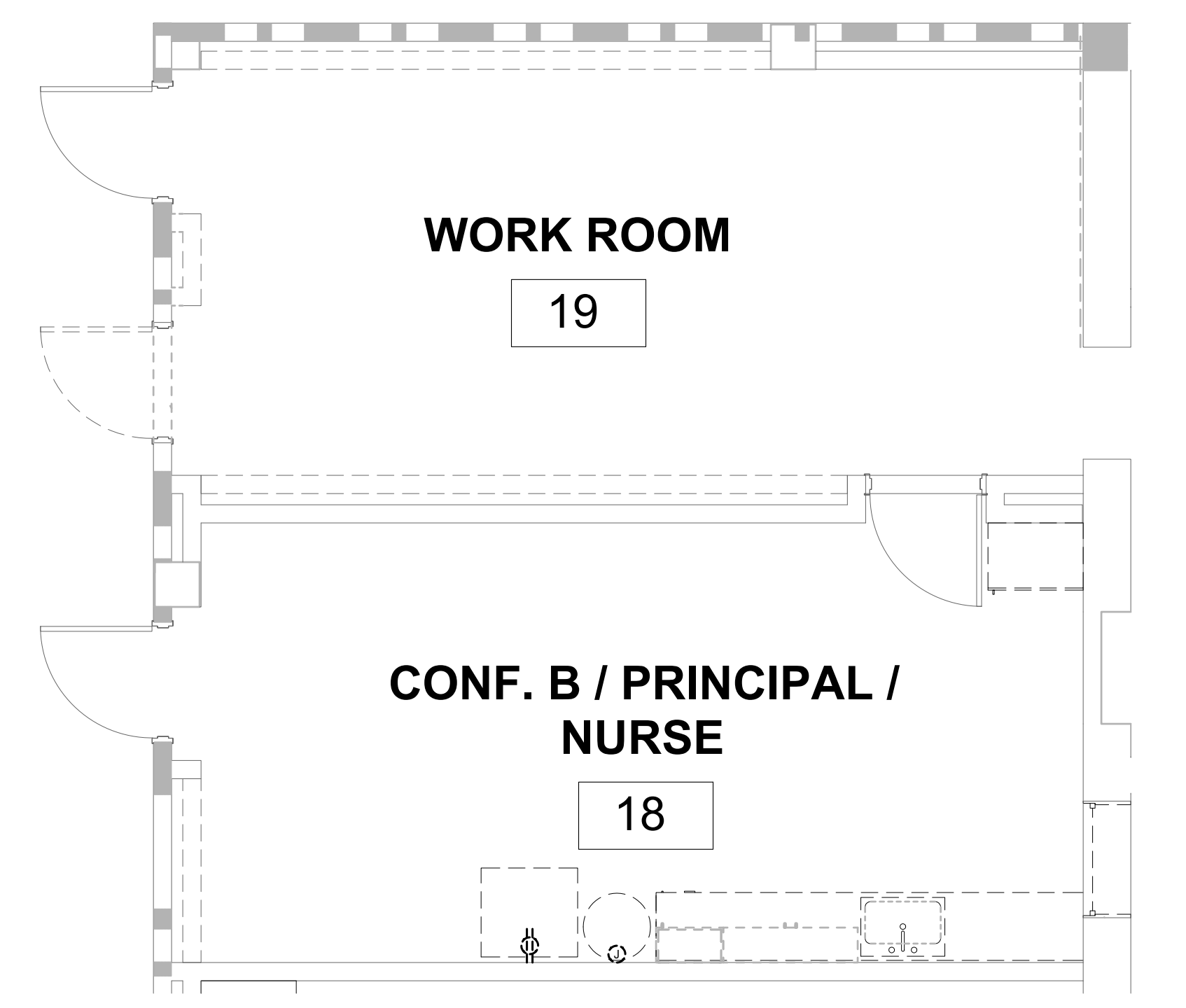
4 PARTIAL FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



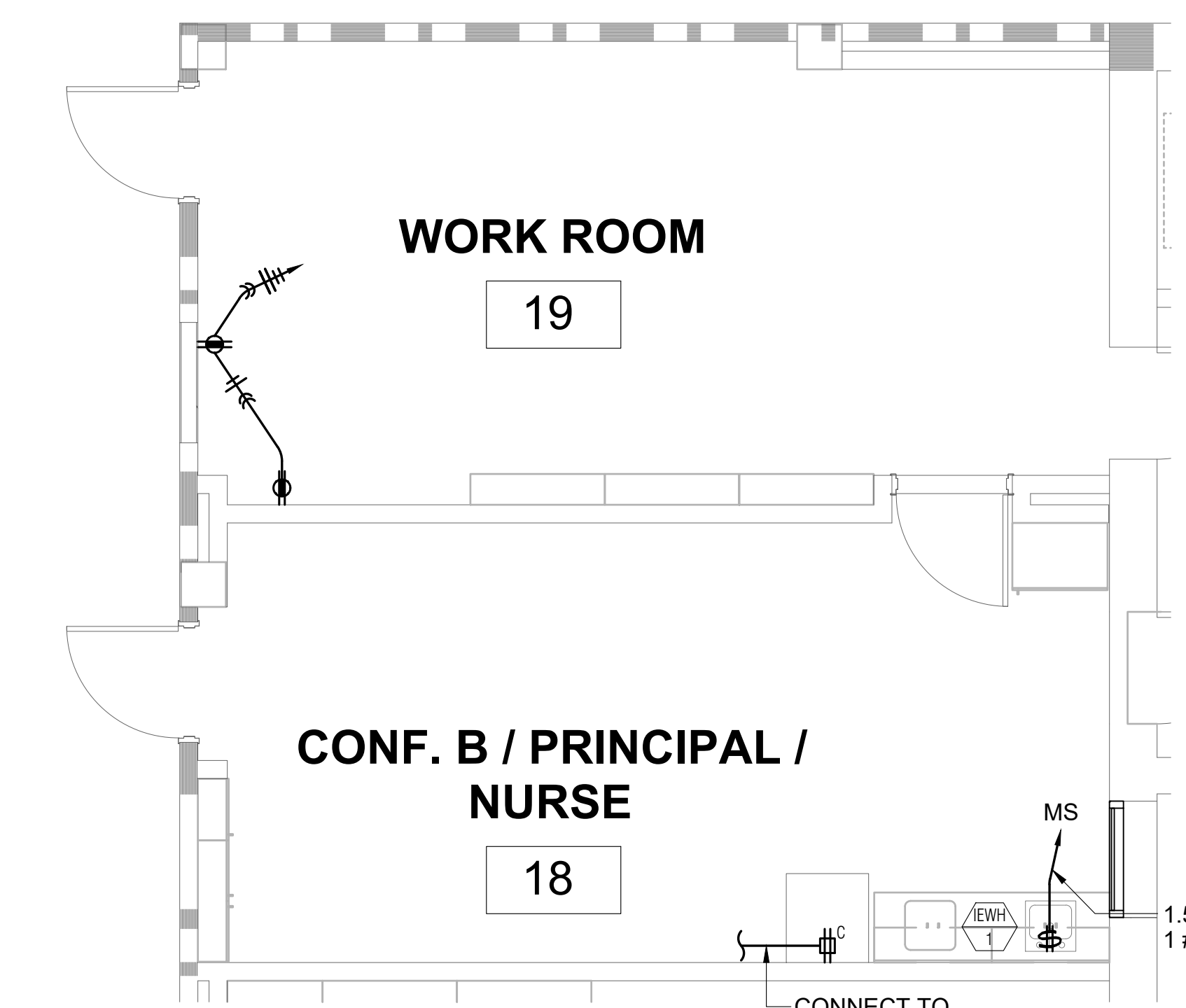
2 PARTIAL FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



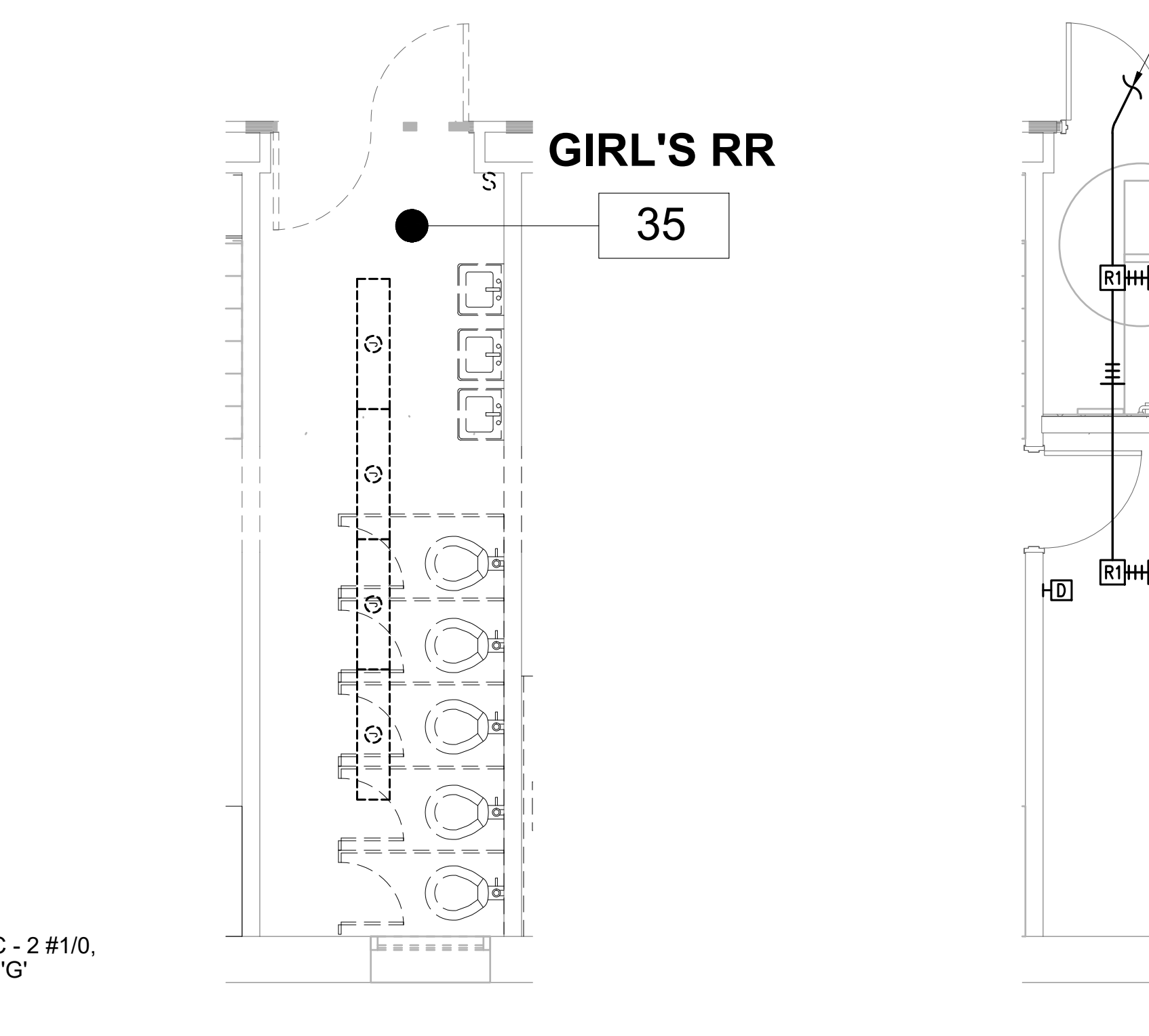
1 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



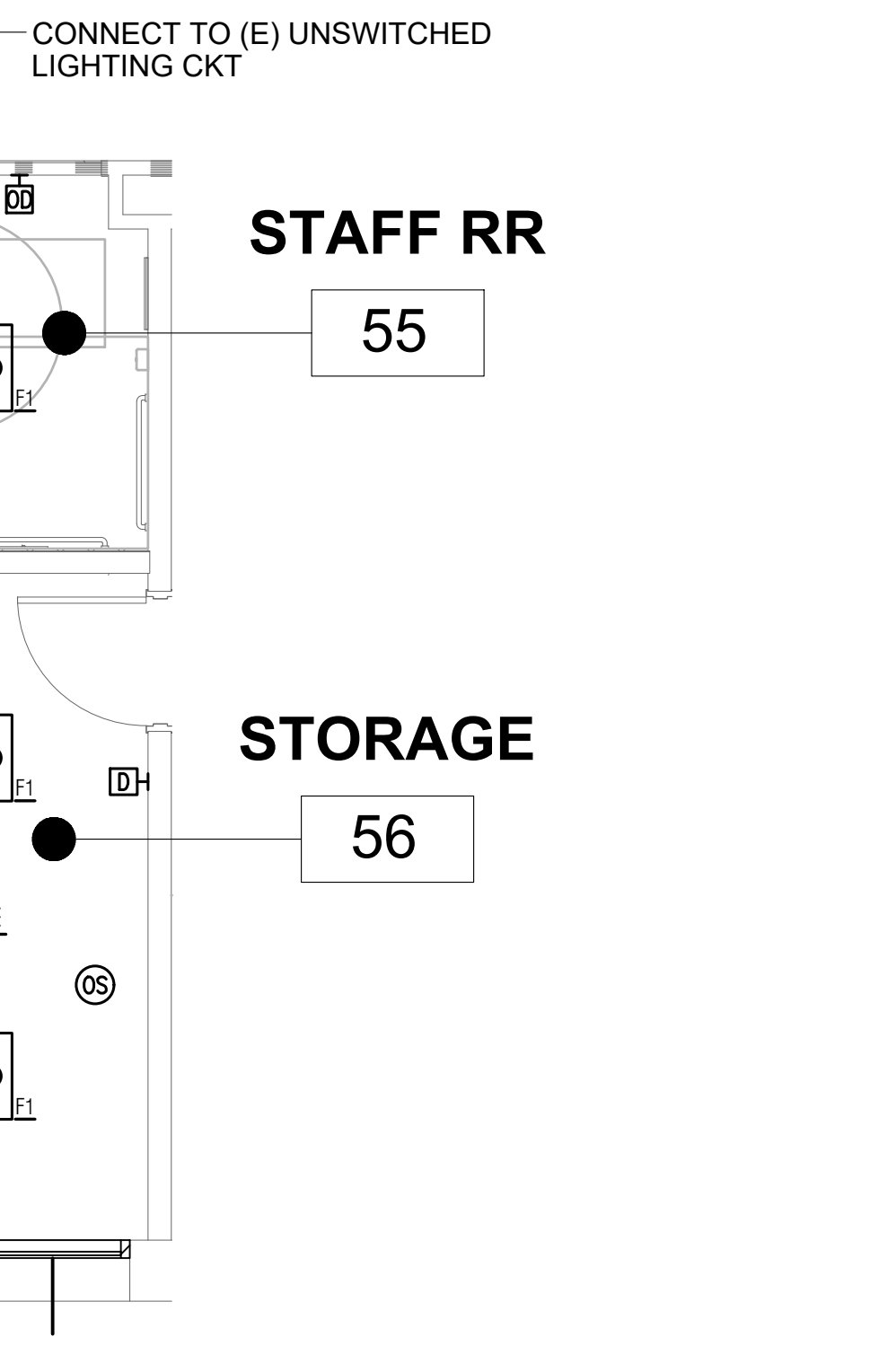
5 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



6 PARTIAL FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

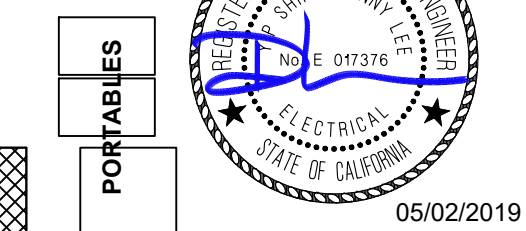
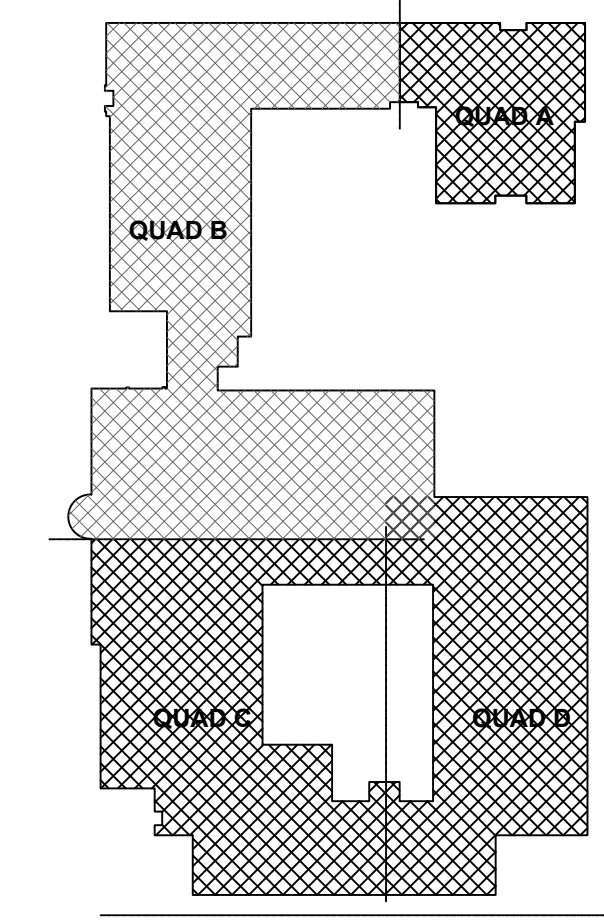


7 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"




8 PARTIAL FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

BUILDING KEY

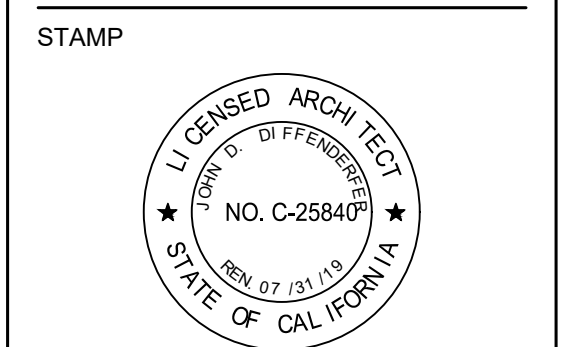


PROJECT
GRASS VALLEY CHARTER SCHOOL MODERNIZATION 2019



Grass Valley School District
 GRASS VALLEY SCHOOL DISTRICT
 CONSULTANT

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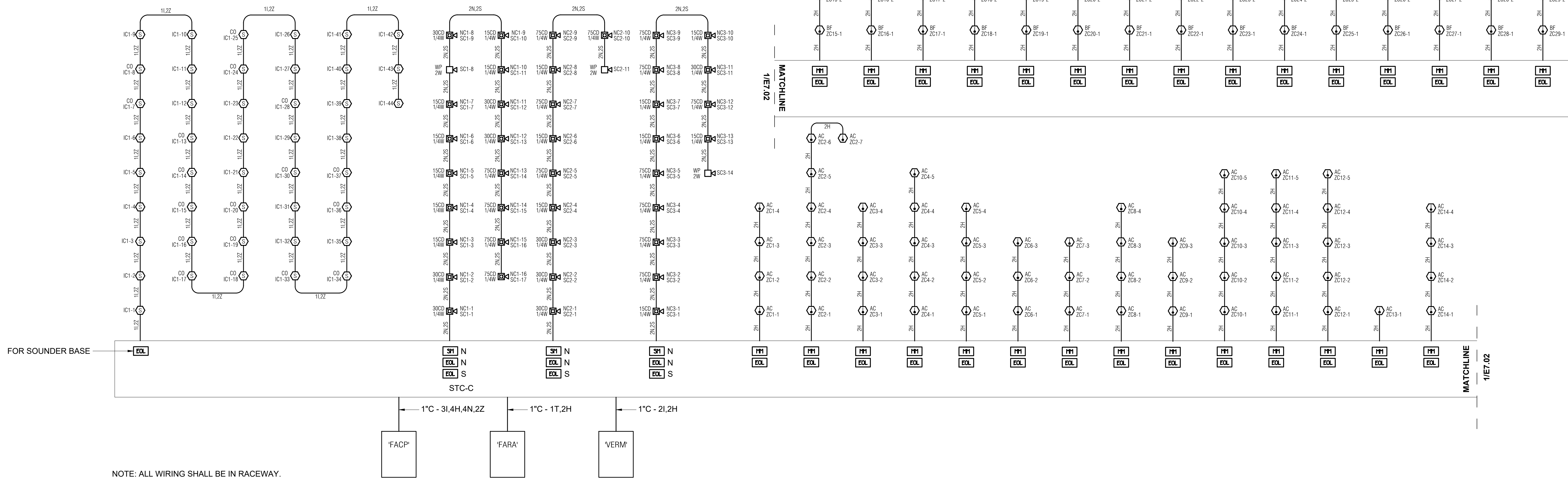
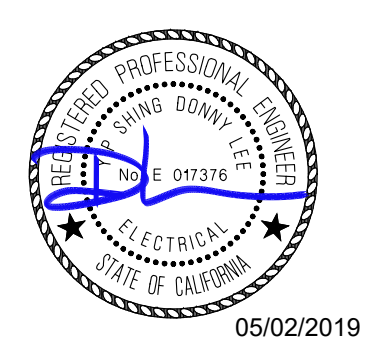
REVISIONS

No.	Description	Date
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MILESTONES
 SD
 DD
 50% CD
 90% CD
 DSA SUB 01/18/2019

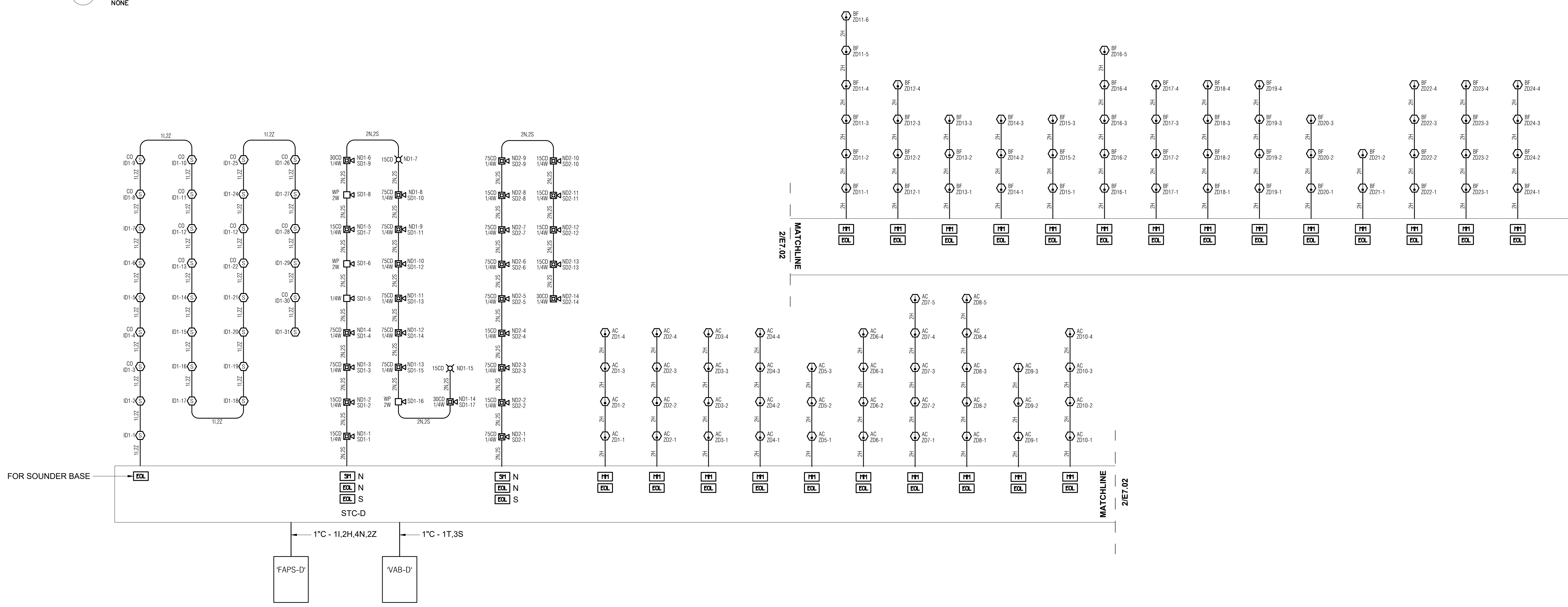
SHEET
FIRE ALARM RISER DIAGRAM - QUAD C & QUAD D

DATE 04/08/2019
 JOB # 2018044
 SHEET # **E7.02**



NOTE: ALL WIRING SHALL BE IN RACEWAY.

1 FIRE ALARM RISER DIAGRAM - QUAD C
 NONE



NOTE: ALL WIRING SHALL BE IN RACEWAY.

2 FIRE ALARM RISER DIAGRAM - QUAD D
 NONE

Notification Appliance Circuit Voltage Drop: NB2														
Source description: FCPS-B														
This calculator provided voltage drop calculations in a Point-to-Point format.														
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26														
18-10 Awg = Solid Conductors														
Nominal System Voltage: 24 V Wire Ohm's														
Minimum Device Voltage: 16 V Gauge Per 1000														
Value is in Amps. eg.: 100 = 100 mA														
Distance is measured in feet.														
Model	Device	Device	Device	Distance	Wire	Ohm's	At	Drop	Percent					
Number	Description	Number	Current	from	Gauge	Per 1000	Device	from	Drop	Drop				Percent
Number	Description	Number	Current	previous	Wire	Ohm's	At	Drop	Percent					Drop
Number	Description	Number	Current	device	Gauge	Per 1000	Device	source	Drop					Drop
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-1	0.040	60	12	2.01	23.70	0.302	1.26%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-2	0.040	30	12	2.01	23.55	0.447	1.86%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-3	0.040	25	12	2.01	23.43	0.565	2.35%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-4	0.040	20	12	2.01	23.30	0.701	2.92%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB2-5	0.155	40	12	2.01	23.17	0.877	3.65%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB2-6	0.155	35	12	2.01	22.99	1.008	4.20%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB2-7	0.155	30	12	2.01	22.82	1.181	4.92%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB2-8	0.155	25	12	2.01	22.73	1.269	5.29%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-9	0.040	25	12	2.01	22.58	1.316	5.48%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-10	0.040	25	12	2.01	22.64	1.359	5.66%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-11	0.040	35	12	2.01	22.59	1.414	5.89%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-12	0.040	40	12	2.01	22.53	1.470	6.13%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB2-13	0.155	35	12	2.01	22.49	1.514	6.37%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB2-14	0.155	35	12	2.01	22.46	1.536	6.40%					
Summary:										Available Amp on Circuit	6 A	End of Line Voltage	22.46 V	
										Remaining Amp on Circuit	4.750 A	Total Voltage Drop	1.536 V	
										Remaining Amp % on Circuit	79.17%	Voltage Drop %	7.53%	

Notification Appliance Circuit Voltage Drop: NB3														
Source description: FCPS-B														
This calculator provided voltage drop calculations in a Point-to-Point format.														
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26														
18-10 Awg = Solid Conductors														
Nominal System Voltage: 24 V Wire Ohm's														
Minimum Device Voltage: 16 V Gauge Per 1000														
Value is in Amps. eg.: 100 = 100 mA														
Distance is measured in feet.														
Model	Device	Device	Device	Distance	Wire	Ohm's	At	Drop	Percent					
Number	Description	Number	Current	from	Gauge	Per 1000	Device	from	Drop	Drop				Percent
Number	Description	Number	Current	previous	Wire	Ohm's	At	Drop	Percent					Drop
Number	Description	Number	Current	device	Gauge	Per 1000	Device	source	Drop					Drop
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-1	0.155	110	12	2.01	23.36	0.637	2.65%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB3-2	0.040	35	12	2.01	23.18	0.818	3.41%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-3	0.155	50	12	2.01	22.93	1.068	4.45%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB3-4	0.040	40	12	2.01	22.76	1.243	5.18%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-5	0.155	35	12	2.01	22.61	1.391	5.80%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB3-6	0.040	55	12	2.01	22.41	1.589	6.62%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-7	0.155	30	12	2.01	22.31	1.692	7.05%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 75cd	NB3-8	0.040	30	12	2.01	22.22	1.776	7.40%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-9	0.155	40	12	2.01	22.12	1.892	7.84%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 75cd	NB3-10	0.155	35	12	2.01	22.05	1.953	8.14%					
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NB3-11	0.040	35	12	2.01	22.00	2.003	8.34%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-12	0.155	40	12	2.01	21.95	2.053	8.55%					
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NB3-13	0.155	35	12	2.01	21.93	2.074	8.64%					
Summary:										Available Amp on Circuit	6 A	End of Line Voltage	21.93 V	
										Remaining Amp on Circuit	4.550 A	Total Voltage Drop	2.074 V	
										Remaining Amp % on Circuit	76.00%	Voltage Drop %	10.17%	

Control Panel Designation: VAB-B														
Facility Name: Grass Valley Charter School														
Battery Calculation Standby: 24 hr.														
and Alarm: 15 min.														
(E) / (N)	Model #	Description	Standby Current	Alarm Current	Qty.	Total Standby Current	Total Alarm Current							
Control Panel Modules								Control Panel Modules Totals						
(N)	FCPS-24F56	Remote Power Supply	0.065	0.145	1	0.065	0.145							
(N)	SIGA-AB4G1	Sounder Base	0.002	0.052	17	0.034	0.884							
Notification Appliance Circuits								Notification Appliance Circuit Totals						
		Notification Circuit	NB1	0.000	0.340	1	0.000	0.340						
		Notification Circuit	NB2	0.000	0.220	1	0.000	0.220						
	Spare	Notification Circuit	S3	0.000	0.210	1	0.000	0.210						
	Spare	Notification Circuit	S4	0.000	0.000	1	0.000	0.000						
Overall Totals								Overall Totals						
								0.000 0.770						
								0.008 6.200						
								0.008 6.200						
Summary:								Summary:						
Standby Amps x 24 hrs. = Amp hrs.								1.192						
Alarm Current x 0.25 hrs. = Amp hrs.								0.743						
Total Amp Hour Current								1.935						
20% Safety Factor								0.387						
TOTAL AMP HOUR BATTERY REQUIRED								2.321 AH BATTERY PROVIDED 12.0						

Notification Appliance Circuit Voltage Drop: SB1														
Source description: VAB-B														
This calculator provided voltage drop calculations in a Point-to-Point format.														
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26														
18-10 Awg = Solid Conductors														
Nominal System Voltage: 25 V Wire Ohm's														
Minimum Device Voltage: 16 V Gauge Per 1000														
Value is in Amps. eg.: 100 = 100 mA														
Distance is measured in feet.														
Model	Device	Device	Device	Distance	Wire	Ohm's	At	Drop	Percent					
Number	Description	Number	Current	from	Gauge	Per 1000	Device	from	Drop	Drop				Percent
Number	Description	Number	Current	previous	Wire	Ohm's	At	Drop	Percent					Drop
Number	Description	Number	Current	device	Gauge	Per 1000	Device	source	Drop					Drop
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-1	0.010	35	12	2.01	24.95	0.048	0.19%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-2	0.010	25	12	2.01	24.92	0.091	0.32%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-3	0.010	25	12	2.01	24.89	0.113	0.45%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-4	0.010	25	12	2.01	24.86	0.144	0.58%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-5	0.080	30	12	2.01	24.82	0.180	0.72%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-6	0.010	35	12	2.01	24.79	0.211	0.85%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-7	0.010	25	12	2.01	24.77	0.233	0.93%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-8	0.010	40	12	2.01	24.74	0.265	1.06%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-9	0.010	25	12	2.01	24.72	0.284	1.14%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-10	0.010	30	12	2.01	24.69	0.306	1.22%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-11	0.010	30	12	2.01	24.67	0.326	1.30%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-12	0.010	30	12	2.01	24.65	0.345	1.38%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-13	0.010	30	12	2.01	24.64	0.363	1.45%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-14	0.010	30	12	2.01	24.62	0.380	1.52%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-15	0.010	35	12	2.01	24.60	0.399	1.59%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-16	0.080	35	12	2.01	24.58	0.415	1.66%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-17	0.010	30	12	2.01	24.58	0.420	1.68%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-18	0.010	30	12	2.01	24.58	0.424	1.70%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-19	0.010	30	12	2.01	24.57	0.426	1.72%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-20	0.010	30	12	2.01	24.57	0.428	1.74%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SB1-21	0.010	30	12	2.01	24.57	0.430	1.76%					
Summary:										Available Amp on Circuit	6 A	End of Line Voltage	24.57 V	
										Remaining Amp on Circuit	5.660 A	Total Voltage Drop	0.428 V	
										Remaining Amp % on Circuit	94.33%	Voltage Drop %	2.14%	

Notification Appliance Circuit Voltage Drop: SP1														
Source description: VAB-B														
This calculator provided voltage drop calculations in a Point-to-Point format.														
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26														
18-10 Awg = Solid Conductors														
Nominal System Voltage: 25 V Wire Ohm's														
Minimum Device Voltage: 16 V Gauge Per 1000														
Value is in Amps. eg.: 100 = 100 mA														
Distance is measured in feet.														
Model	Device	Device	Device	Distance	Wire	Ohm's	At	Drop	Percent					
Number	Description	Number	Current	from	Gauge	Per 1000	Device	from	Drop	Drop				Percent
Number	Description	Number	Current	previous	Wire	Ohm's	At	Drop	Percent					Drop
Number	Description	Number	Current	device	Gauge	Per 1000	Device	source	Drop					Drop
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-1	0.010	30	12	2.01	24.96	0.036	0.14%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-2	0.010	35	12	2.01	24.92	0.077	0.31%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-3	0.010	35	12	2.01	24.88	0.116	0.47%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-4	0.080	20	12	2.01	24.86	0.138	0.56%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-5	0.010	45	12	2.01	24.83	0.172	0.69%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-6	0.010	35	12	2.01	24.80	0.198	0.79%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-7	0.010	35	12	2.01	24.78	0.222	0.89%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-8	0.010	35	12	2.01	24.76	0.244	0.98%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-9	0.010	35	12	2.01	24.73	0.265	1.06%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-10	0.010	35	12	2.01	24.71	0.285	1.14%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-11	0.010	35	12	2.01	24.70	0.303	1.21%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-12	0.010	35	12	2.01	24.68	0.320	1.28%					
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 14W	SP1-13	0.0											

Control Panel Designation: VAB-D											
Facility Name: Grass Valley Charter School											
Battery Calculation Standby: 24 hr.											
and Alarm: 15 min.											
(E/)	(N)	Model #	Description	Standby Current	Alarm Current	Qty.	Total Standby Current	Total Alarm Current			
(N)	(N)	APSA	Voice Evac Audio Booster Power Supply	0.000	0.000	1	0.000	0.000			
(N)	(N)	SIGA-AA30	Voice Evac Audio Booster/Amplifier	0.002	1.500	4	0.008	6.200			
Control Panel Modules Totals							0.008	6.200			
Notification Appliance Circuits											
		Notification Circuit	SD1	0.000	0.380	1	0.000	0.380			
		Notification Circuit	SD2	0.000	0.150	1	0.000	0.150			
		Notification Circuit	S3	0.000	0.000	1	0.000	0.000			
		Notification Circuit	S4	0.000	0.000	1	0.000	0.000			
Notification Appliance Circuit Totals							0.000	0.530			
Overall Totals							0.008	6.730			
Summary:											
Standby Amps x 24 hrs. = Amp hrs.				0.192							
Alarm Current x 0.25 hrs = Amp hrs.				1.683							
Total Amp Hour Current				1.875							
20% Safety Factor				0.375							
TOTAL AMP HOUR BATTERY REQUIRED				2.249		AH BATTERY PROVIDED		12.0			

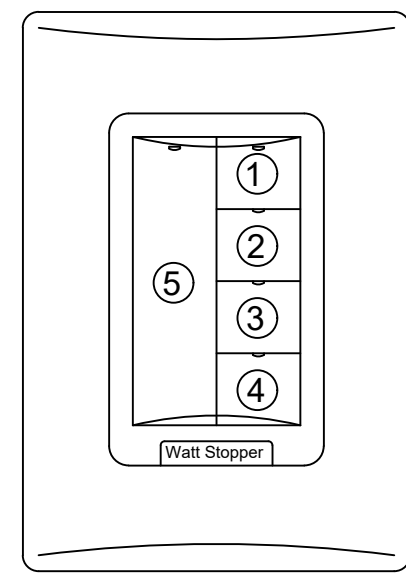
Notification Appliance Circuit Voltage Drop: NC3											
Source description: FACP											
This calculator provided voltage drop calculations in a Point-to-Point format.											
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26											
18-10 Awg = Solid Conductors											
Nominal System Voltage: 24 V											
Minimum Device Voltage: 16 V											
Value is in Amps. eg.: 100 = 100 mA											
Distance is measured in feet.											
Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Gauge	Ohm's Per 1000	At Device	Drop from source	Percent Drop		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-1	0.010	125	12	2.01	24.93	0.070	0.28%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-2	0.010	30	12	2.01	24.91	0.086	0.34%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-3	0.010	30	12	2.01	24.90	0.101	0.40%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-4	0.010	25	12	2.01	24.89	0.112	0.45%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-5	0.010	30	12	2.01	24.88	0.124	0.46%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-6	0.010	35	12	2.01	24.86	0.136	0.55%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-7	0.010	40	12	2.01	24.85	0.149	0.60%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-8	0.010	30	12	2.01	24.84	0.158	0.63%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-9	0.010	35	12	2.01	24.83	0.166	0.66%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-10	0.010	45	12	2.01	24.83	0.171	0.68%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-11	0.010	25	12	2.01	24.82	0.175	0.70%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-12	0.010	40	12	2.01	24.82	0.180	0.72%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-13	0.010	45	12	2.01	24.82	0.184	0.73%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SC3-14	0.010	35	12	2.01	24.82	0.185	0.74%		
Total							0.140	550	24.82	0.85	
Summary:											
Available Amp on Circuit				6 A		End of Line Voltage		24.82 V			
Remaining Amp on Circuit				5.860 A		Total Voltage Drop		0.185 V			
Remaining Amp % on Circuit				97.67%		Voltage Drop %		0.91%			

Notification Appliance Circuit Voltage Drop: NC2											
Source description: FACP											
This calculator provided voltage drop calculations in a Point-to-Point format.											
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26											
18-10 Awg = Solid Conductors											
Nominal System Voltage: 24 V											
Minimum Device Voltage: 16 V											
Value is in Amps. eg.: 100 = 100 mA											
Distance is measured in feet.											
Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Gauge	Ohm's Per 1000	At Device	Drop from source	Percent Drop		
LSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NC2-1	0.058	45	12	2.01	23.82	0.180	0.75%		
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NC2-2	0.040	30	12	2.01	23.71	0.253	1.22%		
LSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NC2-3	0.058	40	12	2.01	23.56	0.437	1.82%		
LSPSTRC (30cd)	Speaker/Strobe, Ceiling, 30cd	NC2-4	0.058	30	12	2.01	23.45	0.538	2.24%		
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NC2-5	0.040	25	12	2.01	23.38	0.616	2.57%		
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NC2-6	0.040	20	12	2.01	23.32	0.676	2.82%		
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NC2-7	0.155	35	12	2.01	23.23	0.774	3.23%		
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 15cd	NC2-8	0.040	30	12	2.01	23.16	0.840	3.50%		
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NC2-9	0.155	45	12	2.01	23.05	0.952	3.96%		
LSPSTRC (15cd)	Speaker/Strobe, Ceiling, 15cd	NC2-10	0.040	40	12	2.01	22.99	1.008	4.20%		
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NC2-11	0.155	40	12	2.01	22.94	1.058	4.41%		
LSPSTRC (75cd)	Speaker/Strobe, Ceiling, 75cd	NC2-12	0.155	35	12	2.01	22.92	1.080	4.50%		
Total							0.994	425	22.92	1.080	
Summary:											
Available Amp on Circuit				6 A		End of Line Voltage		22.92 V			
Remaining Amp on Circuit				5.006 A		Total Voltage Drop		1.080 V			
Remaining Amp % on Circuit				83.43%		Voltage Drop %		5.29%			

Notification Appliance Circuit Voltage Drop: SB2											
Source description: VAB-B											
This calculator provided voltage drop calculations in a Point-to-Point format.											
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26											
18-10 Awg = Solid Conductors											
Nominal System Voltage: 24 V											
Minimum Device Voltage: 16 V											
Value is in Amps. eg.: 100 = 100 mA											
Distance is measured in feet.											
Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Gauge	Ohm's Per 1000	At Device	Drop from source	Percent Drop		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-1	0.010	60	12	2.01	24.95	0.053	0.21%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-2	0.010	30	12	2.01	24.92	0.078	0.31%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-3	0.010	25	12	2.01	24.90	0.098	0.39%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-4	0.010	30	12	2.01	24.88	0.121	0.49%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-5	0.010	40	12	2.01	24.85	0.150	0.60%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-6	0.010	35	12	2.01	24.83	0.174	0.70%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-7	0.080	35	12	2.01	24.80	0.197	0.79%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-8	0.010	40	12	2.01	24.78	0.216	0.83%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-9	0.010	35	12	2.01	24.76	0.216	0.83%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-10	0.010	25	12	2.01	24.77	0.222	0.89%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-11	0.010	25	12	2.01	24.77	0.227	0.91%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-12	0.010	35	12	2.01	24.77	0.233	0.93%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-13	0.010	40	12	2.01	24.76	0.238	0.95%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-14	0.010	35	12	2.01	24.76	0.241	0.96%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SB2-15	0.010	35	12	2.01	24.76	0.242	0.97%		
Total							0.220	515	24.76	0.242	
Summary:											
Available Amp on Circuit				6 A		End of Line Voltage		24.76 V			
Remaining Amp on Circuit				5.780 A		Total Voltage Drop		0.242 V			
Remaining Amp % on Circuit				96.33%		Voltage Drop %		1.19%			

Notification Appliance Circuit Voltage Drop: SD1											
Source description: VAB-D											
This calculator provided voltage drop calculations in a Point-to-Point format.											
Resistance Value: 18-8.08, 16-5.08, 14-3.19, 12-2.01, 10-1.26											
18-10 Awg = Solid Conductors											
Nominal System Voltage: 24 V											
Minimum Device Voltage: 16 V											
Value is in Amps. eg.: 100 = 100 mA											
Distance is measured in feet.											
Model Number	Device Description	Device Number	Device Current	Distance from previous device	Wire Gauge	Ohm's Per 1000	At Device	Drop from source	Percent Drop		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-1	0.010	35	12	2.01	24.95	0.053	0.21%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-2	0.010	35	12	2.01	24.89	0.106	0.42%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-3	0.010	30	12	2.01	24.85	0.149	0.60%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-4	0.010	35	12	2.01	24.80	0.198	0.79%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-5	0.010	35	12	2.01	24.76	0.246	0.98%		
ET-1010-R (2W)	Speaker, Exterior, 2W	SD1-6	0.080	45	12	2.01	24.69	0.306	1.22%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-7	0.010	25	12	2.01	24.67	0.331	1.32%		
ET-1010-R (2W)	Speaker, Exterior, 2W	SD1-8	0.080	30	12	2.01	24.64	0.360	1.44%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-9	0.010	35	12	2.01	24.62	0.382	1.53%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-10	0.010	50	12	2.01	24.59	0.412	1.65%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-11	0.010	35	12	2.01	24.57	0.432	1.73%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-12	0.010	25	12	2.01	24.55	0.445	1.78%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-13	0.010	35	12	2.01	24.54	0.462	1.85%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-14	0.010	25	12	2.01	24.53	0.473	1.89%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-15	0.010	35	12	2.01	24.51	0.487	1.95%		
ET-1010-R (2W)	Speaker, Exterior, 2W	SD1-16	0.080	35	12	2.01	24.50	0.500	2.00%		
LSPSTRC (14W)	Speaker/Strobe, Ceiling, 1/4W	SD1-17	0.010	30	12	2.01	24.50	0.501	2.00%		
Total							0.380	578	24.50	0.501	
Summary:											
Available Amp on Circuit				6 A		End of Line Voltage		24.50 V			
Remaining Amp on Circuit				5.620 A		Total Voltage Drop		0.501 V			
Remaining Amp % on Circuit				93.67%		Voltage Drop %		2.46%			

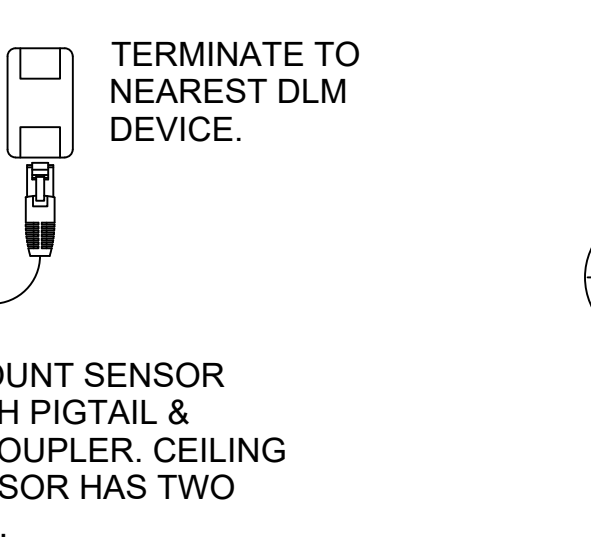
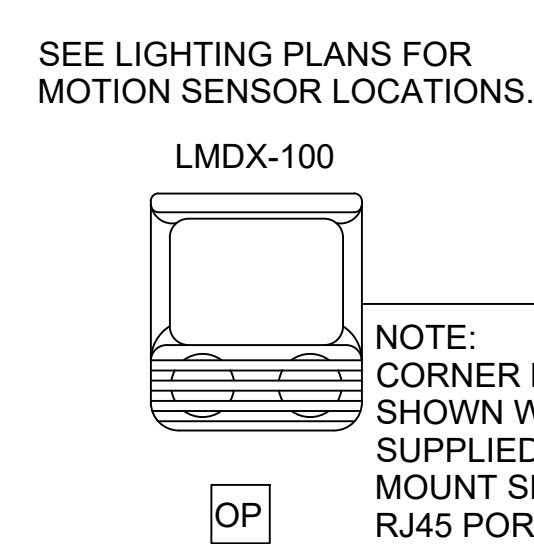
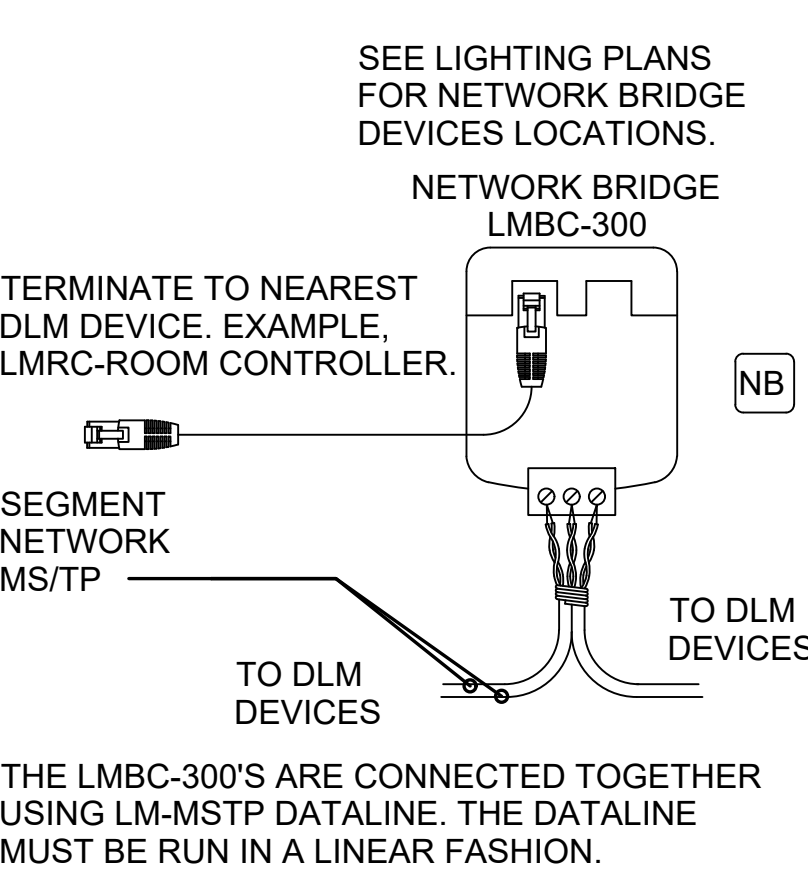
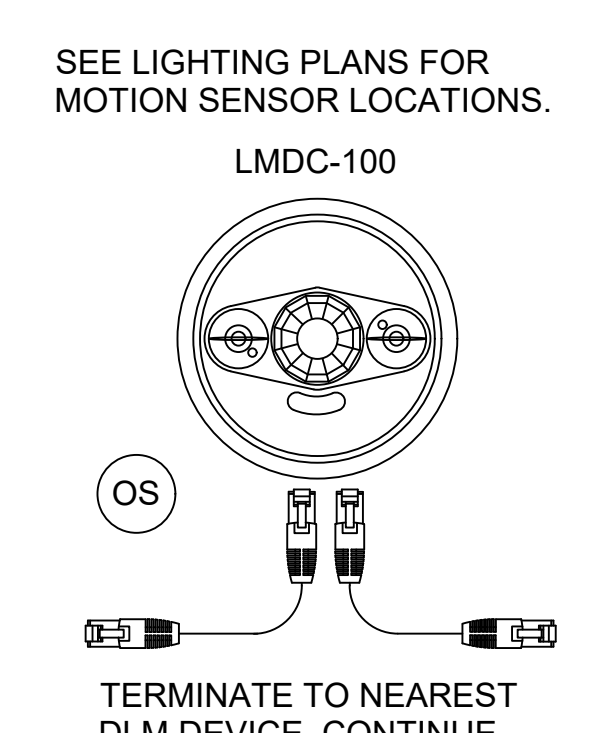
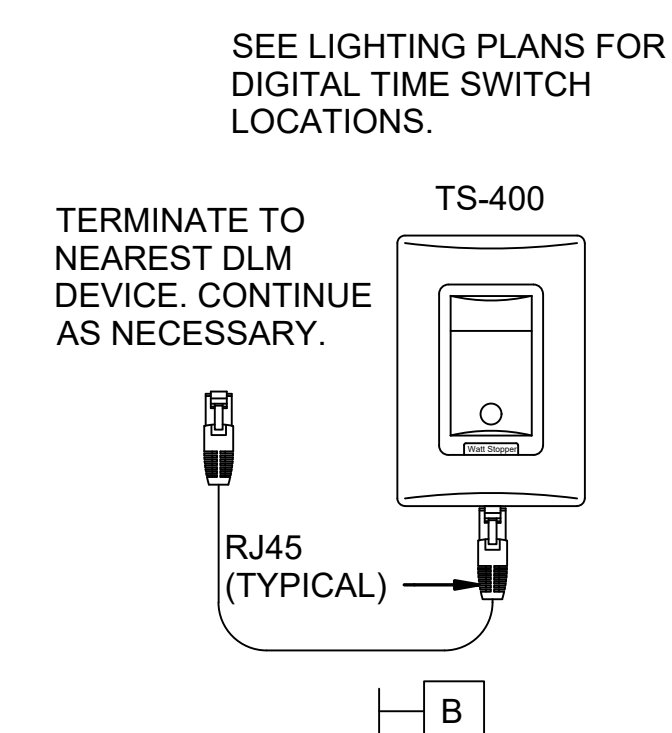
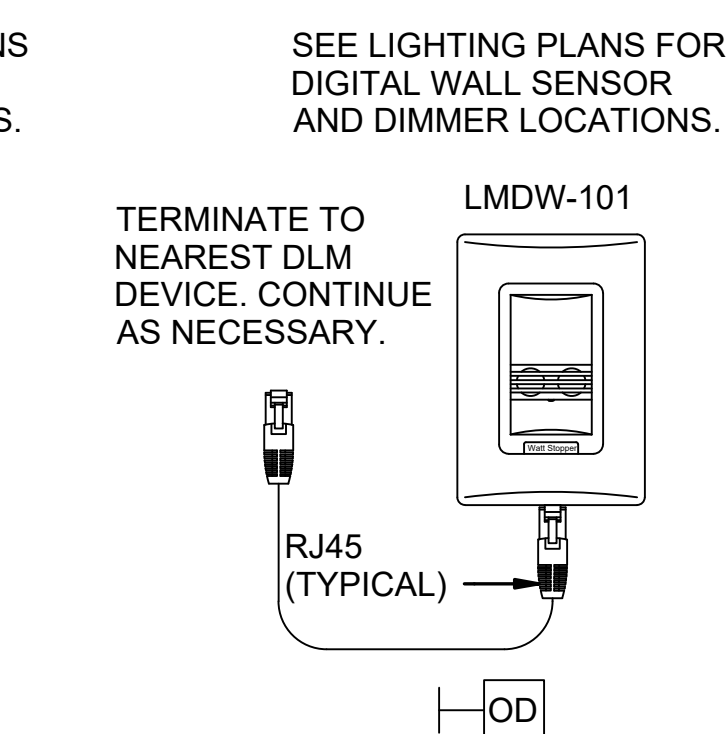
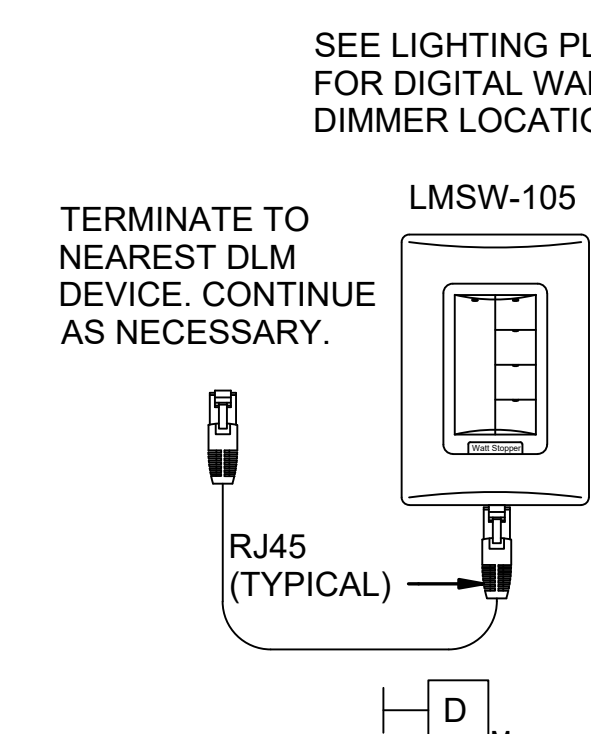
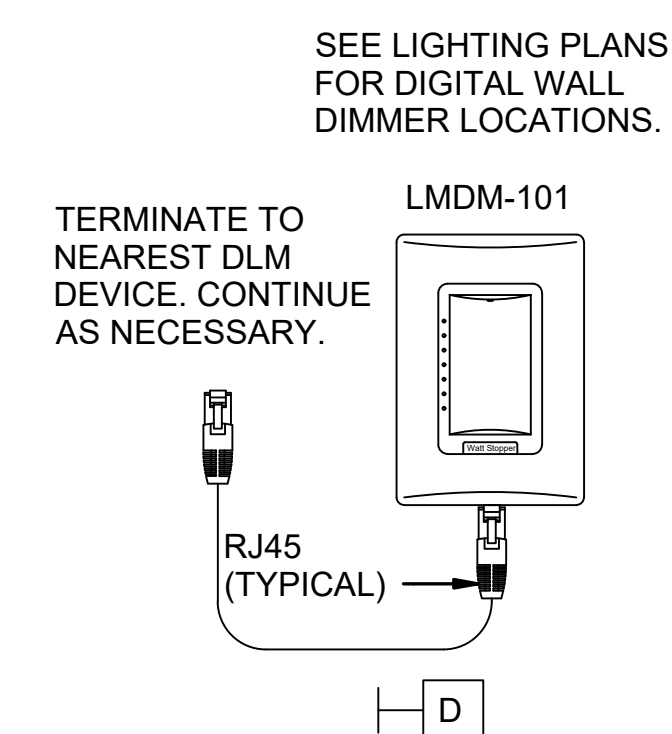
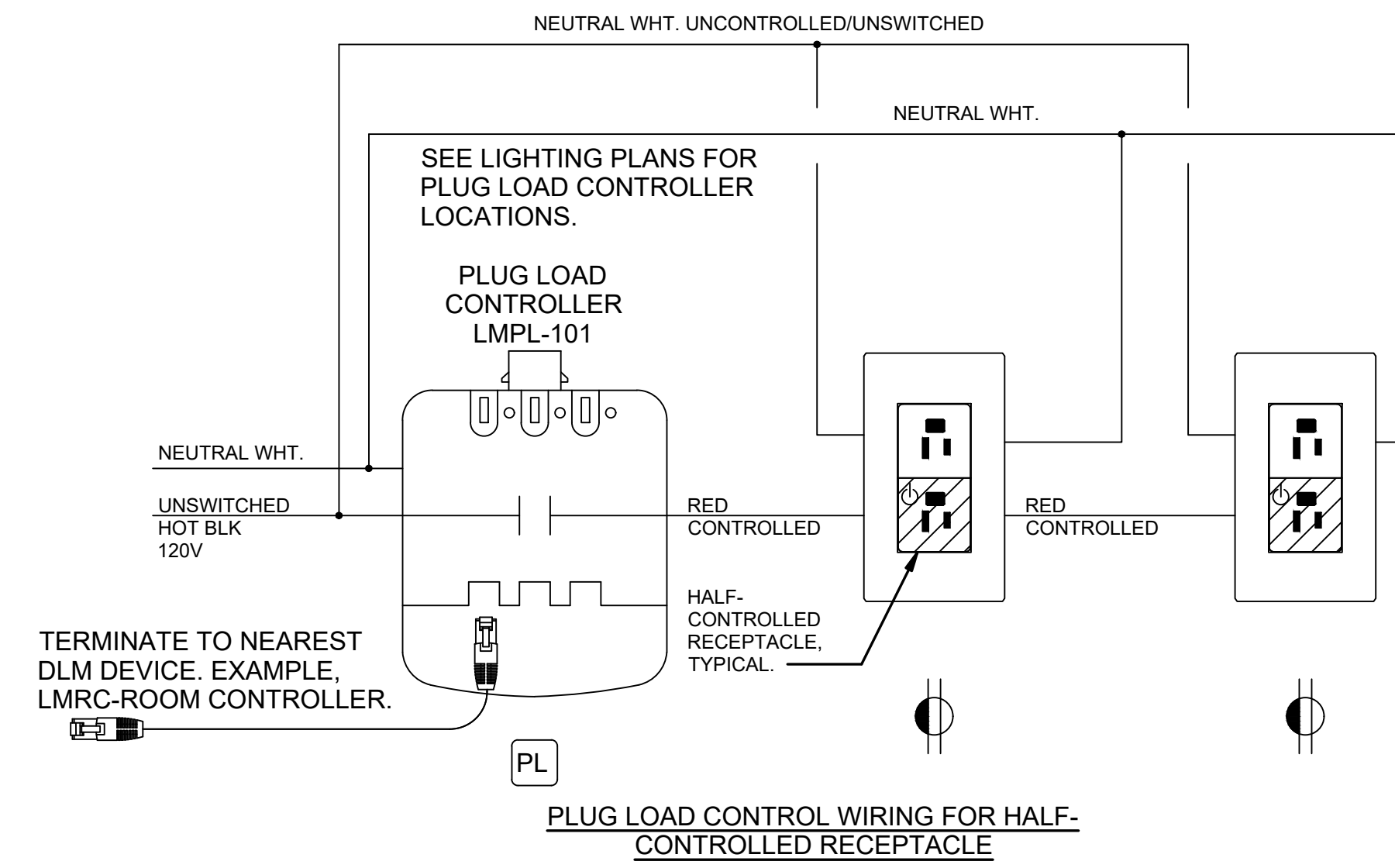
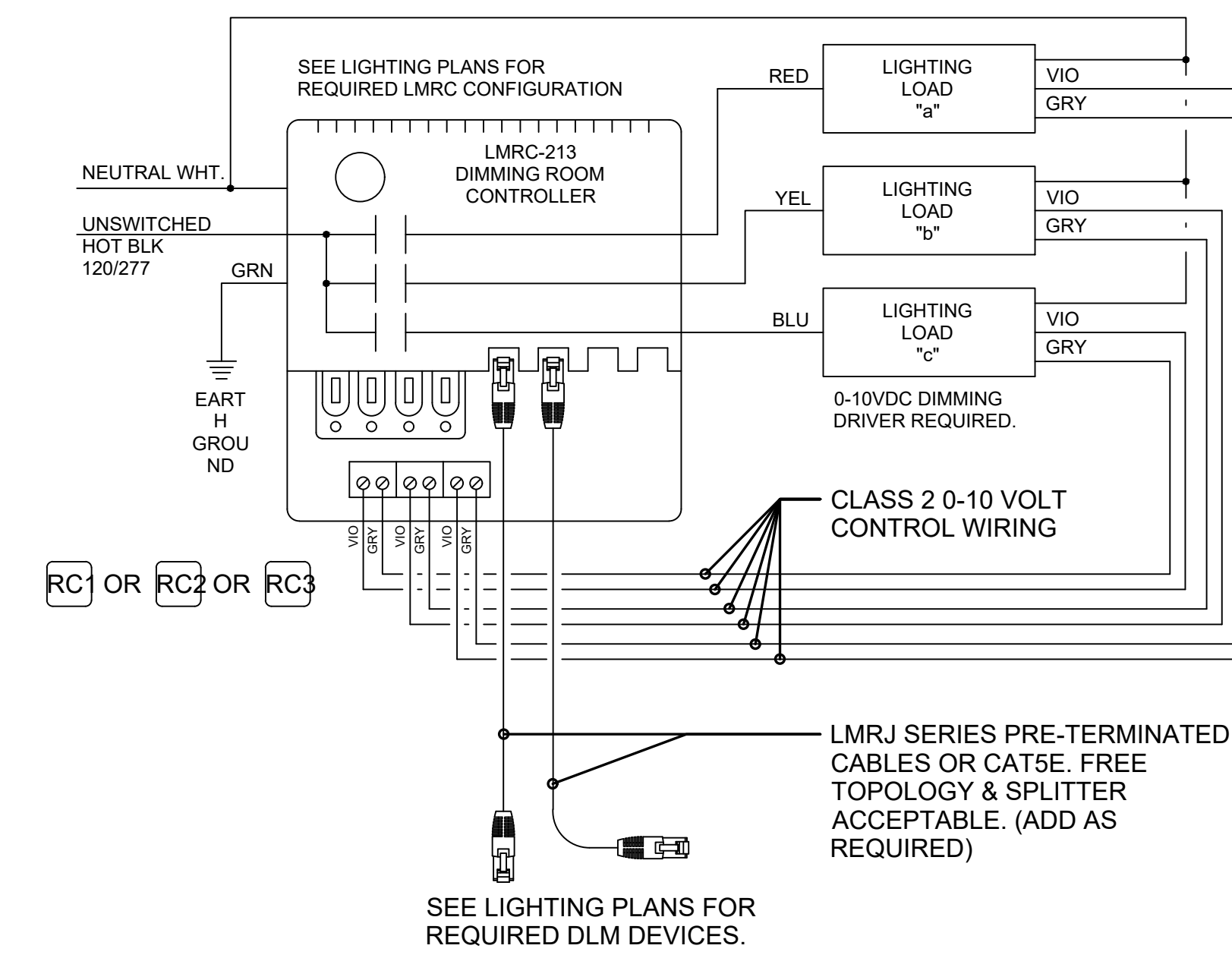
Control Panel Designation: FCPS-D										
Facility Name: Grass Valley Charter School										
Battery Calculation Standby: 24 hr.										
and Alarm: 15 min.										
(E/)	(N)	Model #	Description	Standby Current	Alarm Current	Qty.	Total Standby Current	Total Alarm Current		
(N)	(N)	FCPS-24F86	Remote Power Supply	0.065	0.145	1	0.065	0.145		
(N)	(N)	SIGA-AB4GT	Sounder Base	0.002	0.052	1	0.002	0.052		
Control Panel Modules Totals							0.067	0.821		
Notification Appliance Circuits										
		Notification Circuit	ND1	0.000	1.558	1	0.000	1.558		
		Notification Circuit	ND2	0.000	1.268	1	0.000	1.268		
		Notification Circuit	N3	0.000	0.000	1	0.000	0.000		
		Notification Circuit	N4	0.000	0.000	1	0.000	0.000		
Notification Appliance Circuit Totals							0.000	2.824		



BUTTON	ENGRAVING	SETTING
1	ON	100%
2	HALF	50%
3	A/V	25%
4	OFF	0
5	(NONE)	0%-100%

NOTE:
PROVIDE CUSTOM ENGRAVING AS SHOWN.

2 DETAIL - MASTER DIMMER
SCALE: NONE



1 TYPICAL WIRING DIAGRAM FOR WATTSTOPPER DLM ROOM CONTROLLER
W/ DLM CONTROL DEVICE
SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC.
REVIEWED FOR
SS [] FLS [] ACS []
DATE: 05/03/2019

aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5160
fax: (408)-300-5121

PROJECT
**GRASS VALLEY
CHARTER SCHOOL
MODERNIZATION
2019**



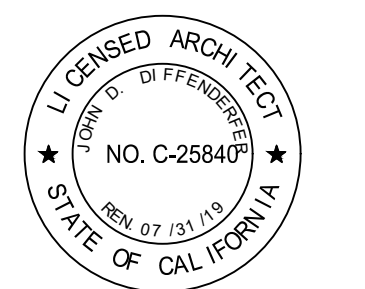
Grass Valley
School District

GRASS VALLEY SCHOOL
DISTRICT

CONSULTANT

EDGE
ELECTRICAL CONSULTING
1807 7th Street, Suite 150
Sacramento, CA 95811
916.236.2460
Project Number: F387

STAMP



STATE
DSA FILE NUMBER 29-11
APPL # 02-117269

REVISIONS
No. Description Date

No.	Description	Date
△		

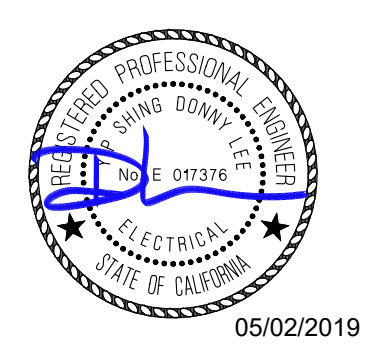
MILESTONES
SD
DD
50% CD
90% CD
DSA SUB 01/18/2019

SHEET

**LIGHTING
DIAGRAMS**

DATE 04/08/2019
JOB # 2018044
SHEET #

E9.01



05/02/2019

L.A. STEELCRAFT - BALL WALL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269 INC:
REVIEWED FOR
SS FLS ACS
DATE: 05/03/2019

BALL WALL COVER SHEET
BU16-12S (STAN)
SECTION 8' EX

JAMES QUIN
MICHAEL D.

ASSOCIATED DESIGN & ENGINEERING, INC.
351 WEST CROMWELL AVE., SUITE 108
FRESNO, CALIFORNIA 93711
PH. (559) 431-2389 FAX (559) 431-2074

DRAWING ORGANIZATION

THE ORGANIZATION OF THESE DRAWINGS IS NOT INTENDED TO CONTROL THE DIVISION OF WORK AMONG SUBCONTRACTORS. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DIVIDE THE WORK.

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO MAKE COMPLETE AND OPERATIVE SYSTEMS. CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION EQUIPMENT, AND ANY OTHER MISCELLANEOUS SERVICES REQUIRED TO COMPLETE THE PROJECT. ANYTHING WHICH MAY BE REASONABLY CONSIDERED AS A NECESSARY PART OF THE PROJECT IS TO BE INCLUDED WHETHER SPECIFICALLY SHOWN, MENTIONED OR NOT. THE ARCHITECT'S INTENT AND INTERPRETATIONS NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE PROJECT.

CONTRACTOR'S STATEMENT OF RESPONSIBILITY

THE DESIGN/BUILD CONTRACTORS SHALL BE FULLY AND SOLELY RESPONSIBLE AND LIABLE FOR ALL DESIGN, ENGINEERING AND CONSTRUCTION FOR HIS/HER PHASE OF THE WORK AS INDICATED ON THESE DOCUMENTS. BY THE ACT OF COMMENCING WORK ON THIS PROJECT, OR BY THEIR SIGNATURES ON DRAWINGS INCLUDED HEREIN OR TO BE SUBMITTED SEPARATELY FOR THIS PROJECT, EACH CONTRACTOR HAS DIRECTLY AND INDIRECTLY ASSUMED FULL RESPONSIBILITY FOR THE DESIGN, ENGINEERING AND CONSTRUCTION OF HIS WORK INCLUDING, BUT NOT LIMITED TO ACCURACY, COMPLETENESS AND COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES AND THE REQUIREMENTS OF THE OWNER AND/OR TENANT.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR THE COST OF ALL NECESSARY TESTS AND INSPECTIONS ON THE PLANS AND SPECIFICATIONS RECOMMENDED BY THE SOILS REPORT AND/OR REQUIRED BY ANY GOVERNMENT AGENCY. CONTRACTOR SHALL PROVIDE PROTECTION AS NECESSARY PER CITY AND LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND ANY REQUIRED SIGNAGE AS DIRECTED BY THE LOCAL FIRE DEPARTMENT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS FOR CONFORMANCE WITH THE PLANS SHOULD THE CONTRACTOR FIND ANY ERRORS, OMISSIONS OR DISCREPANCIES IN THE PLANS WITH RESPECT TO THE FIELD OBSERVATIONS OR OTHER PARTS OF THE PLANS THE ERRORS, OMISSIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT, THE CONTRACTOR AND ARCHITECT SHALL RESOLVE ALL ERRORS, OMISSIONS AND DISCREPANCIES BEFORE COMMENCING THAT PORTION OF THE WORK. DIMENSIONS GOVERN ANY DISCREPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE APPROVAL OF THE OWNER AND PROJECT ARCHITECT.

CODES, RULES, AND REGULATION

ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE LOCAL GOVERNING AGENCY. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

LIST OF 2013 CALIFORNIA CODE OF REGULATIONS (C.C.R.): APPLICABLE CODE AS OF JAN. 1, 2014

- PART 1 2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R. (CAC)
- PART 2 2013 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R.
- PART 3 2013 CALIFORNIA BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS
- PART 4 2013 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R.
- PART 5 2013 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R.
- PART 6 2013 CALIFORNIA MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO
- PART 7 2013 CALIFORNIA MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO
- PART 8 2013 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.
- PART 9 2013 CALIFORNIA FIRE CODE, TITLE 24 C.C.R.
- PART 10 2013 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
- PART 11 2013 CALIFORNIA EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS
- PART 12 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.

NOTE: WHERE WORK OF A HIGHER DEGREE IS INDICATED ON THE PLANS OR IN THE SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.

GENERAL NOTES:

1. EACH SUBCONTRACTOR SHALL VISIT THE SITE AND INSPECT THE PREMISES TO BE IMPROVED AND SHALL VERIFY THE WORK TO BE DONE, THE EXISTING CONDITIONS AND SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY AND ALL DISCREPANCIES PRIOR TO SUBMITTING BID AND STARTING OF ANY WORK. GENERAL CONTRACTOR SHALL NOTIFY THE OWNER OF ANY AND ALL DISCREPANCIES PRIOR TO SUBMITTING BID AND STARTING OF ANY WORK.
2. ALL WORK SHALL BE DONE IN THE BEST WORKMANLIKE MANNER AND MUST BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL LOCAL GOVERNING AGENCIES. FURTHERMORE, ALL WORK SHALL MEET WITH THE APPROVAL OF THE OWNER.
3. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND ASSOCIATED DESIGN & ENGINEERING, INC. OR THEIR AGENTS SHALL BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE REVIEWED BY ASSOCIATED DESIGN & ENGINEERING, INC. BEFORE PROCEEDING WITH FABRICATION.
4. THIS SET OF DRAWINGS, DESIGN AND/OR SPECIFICATION ARE THE EXCLUSIVE PROPERTY OF ASSOCIATED DESIGN & ENGINEERING, INC. ITS ACCEPTANCE CONSTITUTES AN AGREEMENT THAT IT SHOULD BE TREATED AS A STRICTLY CONFIDENTIAL DOCUMENT. IT IS NOT TO BE REPRODUCED, COPIED, OR USED IN THE ASSEMBLY, CONSTRUCTION OR OPERATION OF ANY SYSTEMS OR SYSTEMS SHOW FOR THIS SPECIFIC PROJECT ONLY, OR AS OTHERWISE EXPRESSLY AUTHORIZED IN WRITING BY ASSOCIATED DESIGN & ENGINEERING, INC. THAT IT IS TO BE RETURNED UPON REQUEST; AND IS NOT TO BE COMMUNICATED, DISCLOSED, OR COPIED, EXCEPT AS EXPRESSLY AUTHORIZED IN WRITING BY ASSOCIATED DESIGN & ENGINEERING, INC. ASSOCIATED DESIGN & ENGINEERING, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF ASSOCIATED DESIGN & ENGINEERING, INC. THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD ASSOCIATED DESIGN & ENGINEERING, INC. HARMLESS AND SHALL BEAR THE FINANCIAL RESPONSIBILITY OF ASSOCIATED DESIGN'S LEGAL COSTS.
5. A JOB CARD IS REQUIRED TO BE VISIBLE FROM THE STREET, IT IS UNDERSTOOD THAT IF NO JOB CARD IS OBSERVED NO INSPECTION WILL TAKE PLACE.
6. ALL MATERIALS, EQUIPMENT AND SYSTEMS CALLED FOR ON PLANS AND IN THESE SPECIFICATIONS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S LATEST SPECIFICATIONS.
7. CONTRACTORS SHALL MAINTAIN THE PREMISES IN A CLEAN AND ORDERLY CONDITION AT ALL TIMES AND SHALL REMOVE ALL UNUSED MATERIALS AND DEBRIS, AND LEAVE PREMISES IN A CLEAN CONDITION.
8. ANY SUBSTITUTIONS TO THE MATERIALS AND/OR EQUIPMENT SPECIFIED MUST BE APPROVED BY THE OWNER. CONTRACTOR SHALL SUBMIT REQUEST FOR SUBSTITUTIONS AT THE TIME OF BID SUBMISSION. PRIOR TO START OF CONSTRUCTION THE GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SPECIFICATIONS.
9. ANY DISCREPANCIES OR ERRORS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT FOR CORRECTIONS BEFORE THE WORK EFFECTED THEREBY IS BIDDING OR EXECUTED. THE WORK SHALL COMPLY IN EVERY RESPECT WITH CURRENT GOVERNING LAWS, UNIFORM BUILDING CODE AND ORDINANCES. ALL AGENCIES AND UTILITY COMPANIES SHALL BE GIVEN NECESSARY NOTICES RELATING TO THE WORK. CONTRACTOR SHALL OBTAIN AND PAY FOR ANY PERMITS OR NOTICES. ALL TESTING AND INSPECTION SERVICES SHALL BE PAID DIRECTLY BY THE OWNER.
10. SANITARY TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION (2013 CBC 3305.1)
11. PORTABLE FIRE EXTINGUISHERS SHALL COMPLY WITH (2013 CBC 904 AND THE 2013 CFC 2005 & 904).

NOTES

1. COMPLETE SPECIFICATIONS FOR THIS PC INCLUDES THE "NET SIGNED" STRUCTURAL DRAWINGS SHEETS C1.0 AND A1.0 AND THE CALCULATIONS PACKAGE A SEPARATE DOCUMENT WITH THE FOLLOWING TABLE OF CONTENTS.

ELEVATION DIAGRAM
DESIGN ASSUMPTIONS
LATERAL DESIGN LOADING (WIND / SEISMIC)
FREE STANDING WALL LOADING (ASCE 7-05)
COLUMN/POST DESIGN CALCULATIONS
FOOTING DESIGN CALCULATIONS
SPANDREL AND CONNECTION DESIGN CALCULATIONS
COLUMN EMBEDMENT INTO FOOTING
MISCELLANEOUS CALCULATION SUPPORT DOCUMENTS

APPENDIX 'A' - CEMCO STUD
APPENDIX 'B' - MISCELLANEOUS STRUCTURAL TUBING
APPENDIX 'C' - TEK SELF-TAPPING SCREW DATA
APPENDIX 'D' - DART SELF-TAPPING SCREW DATA
APPENDIX 'E' - STRUCTURAL TESTS AND INSPECTIONS (DSA-103)
APPENDIX 'F' - PAINTS AND SEALANTS

THIS PC APPROVAL IS LIMITED TO THE L.A. STEELCRAFT BALL WALL AS DETERMINED ON THIS COVER SHEET AND A1.0. THE DISTRICT (OWNER) IS RESPONSIBLE FOR THE SUBMITTAL TO D.S.A. AND THE APPROVAL BY D.S.A. OF THE SITE PLAN WHICH LOCATES THIS PC APPROVED BALL WALL ON THE PARTICULAR SITE.

2. ALL WORK SHALL CONFORM TO THE LATEST EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) AND 2013 CALIFORNIA BUILDING CODE (CBC).
3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART I, TITLE 24, CCR.
4. A 'DSA CERTIFIED' 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, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART I, TITLE 24, CCR).
5. THE EXCAVATION OF THE FOOTINGS SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER EMPLOYED BY THE DISTRICT (OWNER).
6. THE CONTRACTOR SHALL KEEP THE PROJECT ARCHITECT INFORMED OF CONSTRUCTION PROGRESS SO THAT CONSTRUCTION REVIEW CAN BE SCHEDULED AT THE PROPER CONSTRUCTION STAGE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL SPECIFIED INSPECTIONS AND TESTING WITH THE INSPECTION/TESTING AGENCY. SEE SPECIFICATIONS FOR REQUIRED INSPECTIONS AND TESTINGS REQUIRED.
8. SPECIAL INSPECTION OF THE WELDING IS REQUIRED BY AN AWS CERTIFIED INSPECTOR EMPLOYED BY THE DISTRICT (OWNER).
9. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) SHALL INSPECT ALL WORK. DSA CERTIFIED INSPECTOR FOR SITE CLASS 3.
10. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
11. LATERAL RESISTING SYSTEM - EQUIVALENT LATERAL FORCE PROCEDURE FOUNDATION - CAST IN PLACE PIERS. TESTING & INSPECTIONS PER TABLE PROVIDED. SEE DSA FORM 103, APPENDIX E OF SUPPORT DOCUMENTS
12. FIRE SPRINKLERS NOT REQUIRED.
13. BALL WALL:
ASCE 7-10: NON-BUILDING STRUCTURE SIGNS & BILLBOARDS w/ CANTILEVERED COLUMNS (ASCE 7-10, TABLE 15.4.2)
14. DESIGN CRITERIA:
WIND: 110 MPH, EXP. C, RISK CATEGORY II
CI VARIES (CI MAX=2.4), 50 PSF MAX. (ASD = 30.0 PSF). (VARIES)
SEISMIC: 1-10, RISK CAT. I (OTHER STRUCTURES) (WIND GOVERNS DESIGN)
SITE CLASS 'D' (FOR MAX LOAD)
SDS=1.19, SDI=1.30
SEISMIC DESIGN CATEGORY E
(SEE NOTE 9 FOR STRUCTURAL SYSTEM)
BASE SHEAR=58K
CI=2.4
BASE AT GROUND LEVEL
15. ALLOWABLE SOIL PRESSURES
DL + LL 1000 PSF
LATERAL 100 PCF/ 200 PCF (I)
(I)(CBC 2013, SEC. 1804A.3.4)

TITLE 24, PART 2 (2013 CBC) - VOLUME 2

TESTS AND INSPECTION REQUIREMENTS	CBC SECTION
FOUNDATION & RETAINING WALLS	
CHAPTER 18A	
1. INSPECTION:	
• PIER FOUNDATIONS	1705A.3.5
CONCRETE	
CHAPTER 19A	
1. MATERIALS	
• PORTLAND CEMENT	1705A.3.1; 1903A.1
• CONCRETE AGGREGATES	1705A.3.1; 1903A.4
• REINFORCING BARS (TESTS OF REINFORCING BARS MAY BE WAIVED BY THE STRUCTURAL ENGINEER WITH THE APPROVAL OF THE SITE DSA INSPECTOR, PROVIDED THAT VERIFIABLE CERTIFIED MILL TEST REPORTS ARE PROVIDED FOR EACH SHIPMENT OF SUCH REINFORCEMENT.)	1705A.3.1; 1903A.1
2. QUALITY	
• PROPORTIONS OF CONCRETE	1903A.1
• STRENGTH TESTS OF CONCRETE	1705A.3; 1903A.1
3. INSPECTION	
• JOB SITE	1903A.1 (ACI 318-II, SEC. 5.7)
• BATCH PLANT (** THE USE OF NRMCA WILL BE ACCEPTABLE IN LIEU OF COMPONENT MATERIALS TESTING IF APPROVED BY SITE DSA INSPECTOR.)	1705A.3.3.1
STEEL	
CHAPTER 22A	
1. MATERIALS	
• STRUCTURAL STEEL	2205A.1
• COLD FORMED STEEL	2210A.1
• IDENTIFICATION	2203A.1
2. QUALITY	
• TESTS OF STRUCTURAL AND COLD FORMED STEEL	221A.1
• NON-DESTRUCTIVE WELD TESTS	1704A.3.1
3. INSPECTION	
• SHOP FABRICATION	1704A.2; 1704A.3
WOOD	
CHAPTER 23	
1. MATERIALS	
• LUMBER AND PLYWOOD	2303.1

SCOPE OF WORK

BALL WALL PC FOR CONSTRUCTION ANYWHERE IN CALIFORNIA WITH A SITE SPECIFIC DSA APPROVED SITE PLAN LOCATING THE BALL WALL ON THE SCHOOL SITE FOR EACH WALL SOLD TO BE CONSTRUCTED.

PC SHEET INDEX

C1.0 COVER SHEET
A1.0 STRUCTURAL PLAN

PROJECT TEAM

OWNER
SITE SPECIFIC PROJECT ARCHITECT

STRUCTURAL ENGINEER
ASSOCIATED DESIGN AND ENGINEERING, INC.
351 WEST CROMWELL AVE., SUITE 108
FRESNO, CA 93711
559-431-2389
FAX 431-2014
CONTACT: MICHAEL JUNDT, SE

MANUFACTURER OF BALL WALL
L.A. STEELCRAFT PRODUCTS
P.O. BOX 90345 - PASADENA, CA 91103
PH: 626-798-1401 FAX 626-798-1482

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP# 115761
AD FLS SS CHL
DATE: 1/21/2015

PROVIDE THE SPECIAL INSPECTIONS FOR THE FOLLOWING AREAS OF WORK:

AREA OF INSPECTION	ACTIVE	N/A
1. STRUCTURAL FIELD WELD (not required for this project)		X
2. STRUCTURAL STEEL SHOP FAB. (PERIODIC * CLIPS) (PER 2013 CBC, TABLE 1705A.2.1.5.a.2 OR 1705A.2.1.5.a.5)	X	
3. STEEL MILL REPORT VERIFICATION (PER 2013 CBC, TABLE 1705A.2.1.3.c)	X	
4. TESTING FOR 3000 PSI CONCRETE STRENGTH * 28 DAYS (PER 2013 CBC, TABLE 1705A.3.0)	X	
5. CONCRETE PLACEMENT & REINFORCEMENT PLACEMENT OBSERVATION (PER 2013 CBC, TABLE 1705A.3.1 & 1705A.3.1.2)	X	

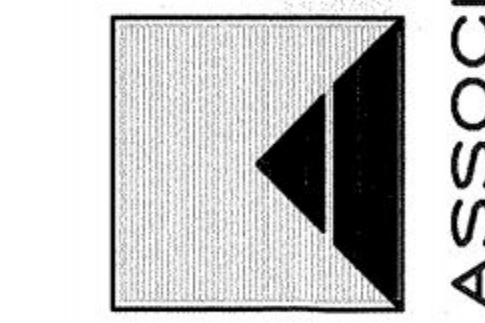
NOTE: "X" INDICATES INSPECTION, NOT APPLICABLE OR ACTIVE

GENERAL NOTES

1. PRE-CHECK (PC) DOCUMENT CODE: LATEST CCR EDITION AND 2013 CBC
2. A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
3. LOCATION ON SITE SHALL NOT OBSTRUCT FIRE APPARATUS ACCESS ROUTES. (CFC 503.4)
4. THE PLANS ARE NOT FOR CONSTRUCTION WITHOUT A DSA APPLICATION NUMBER.

5. ALL SPECIAL BALL WALL APPLICATION FOR EACH SITE MUST BE ACCOMPANIED BY A STATEMENT OF STRUCTURAL TESTS (DSA-103 FORM) FOR THE SPECIFIC SCHOOL SITE.

L.A. STEELCRAFT (PC# 03-115761)



Dana Carter
www.danacarter.com
559-431-2389
559-431-2014
559-431-2074

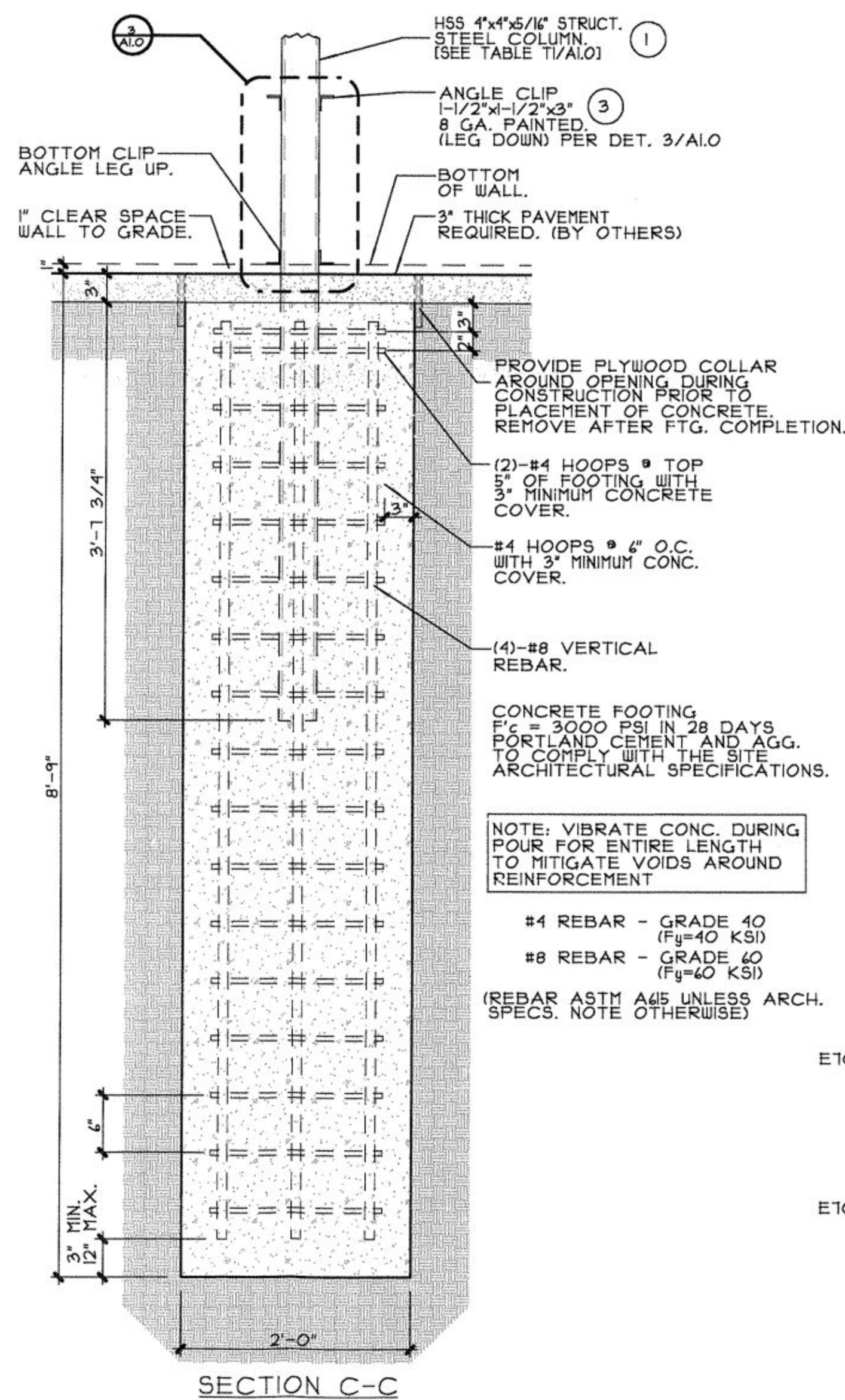
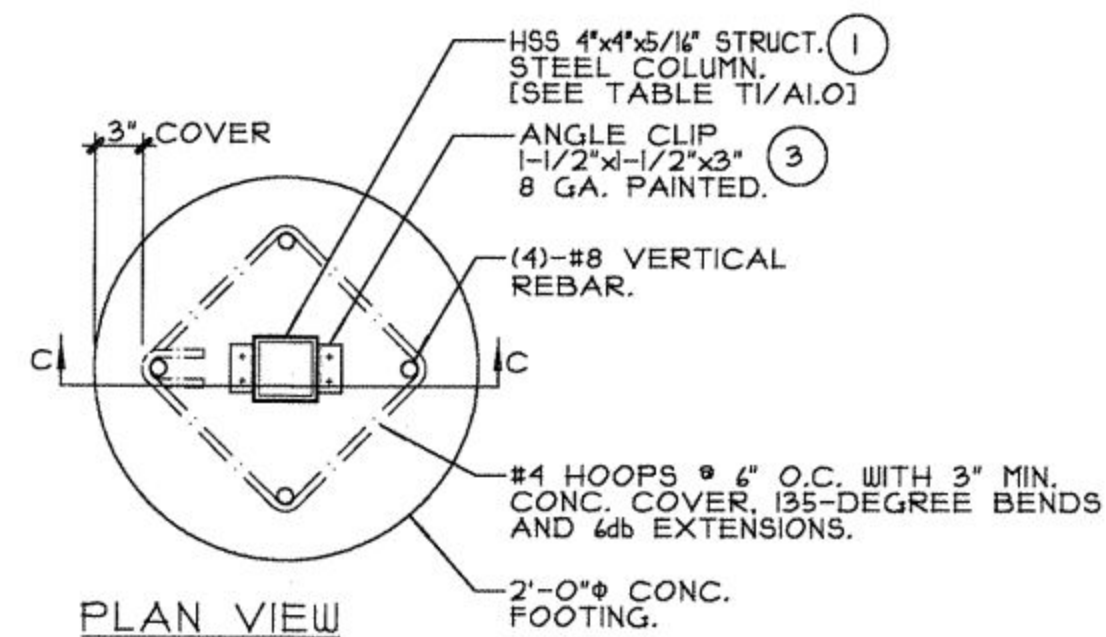
REVISIONS	DATE	DESCRIPTION

PLOT DATE: 1/28/2015

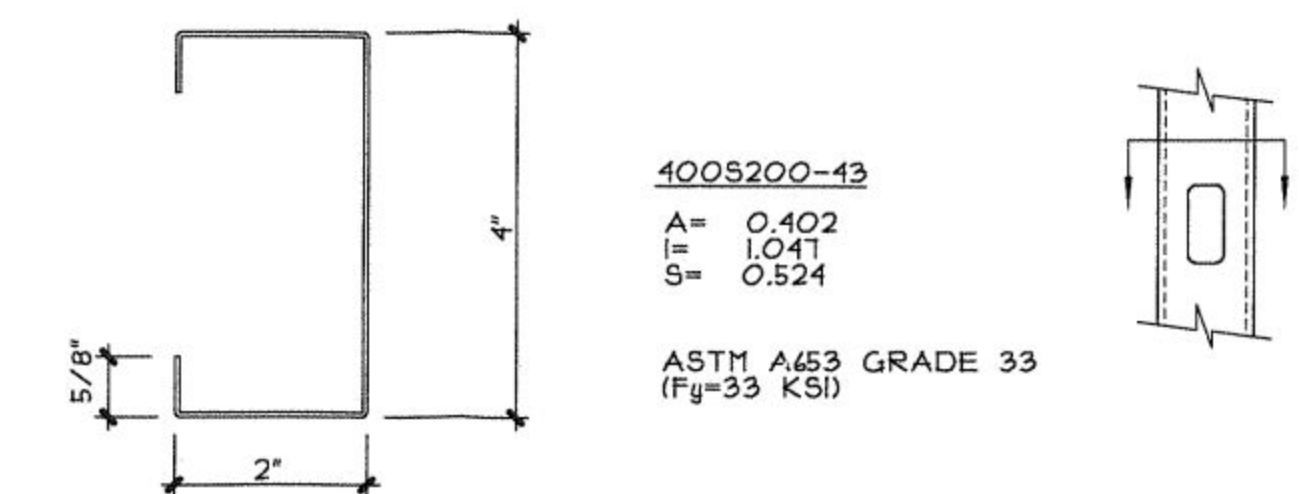
SHEET: C1.0

JOB NO. E14026 001

DATE 1-28-15

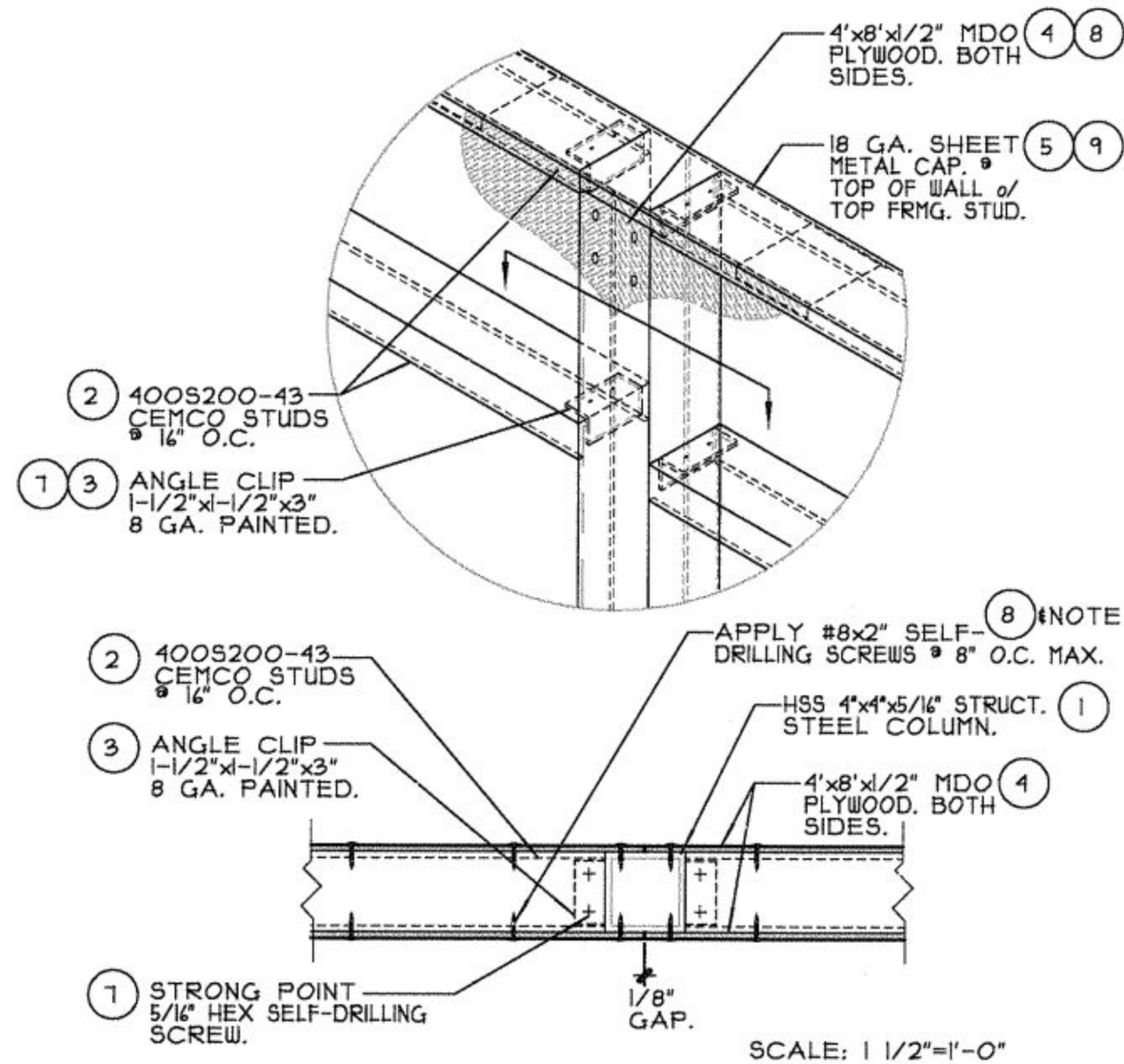


4 FOOTING PLAN/SECTION
SCALE: 1\"/>

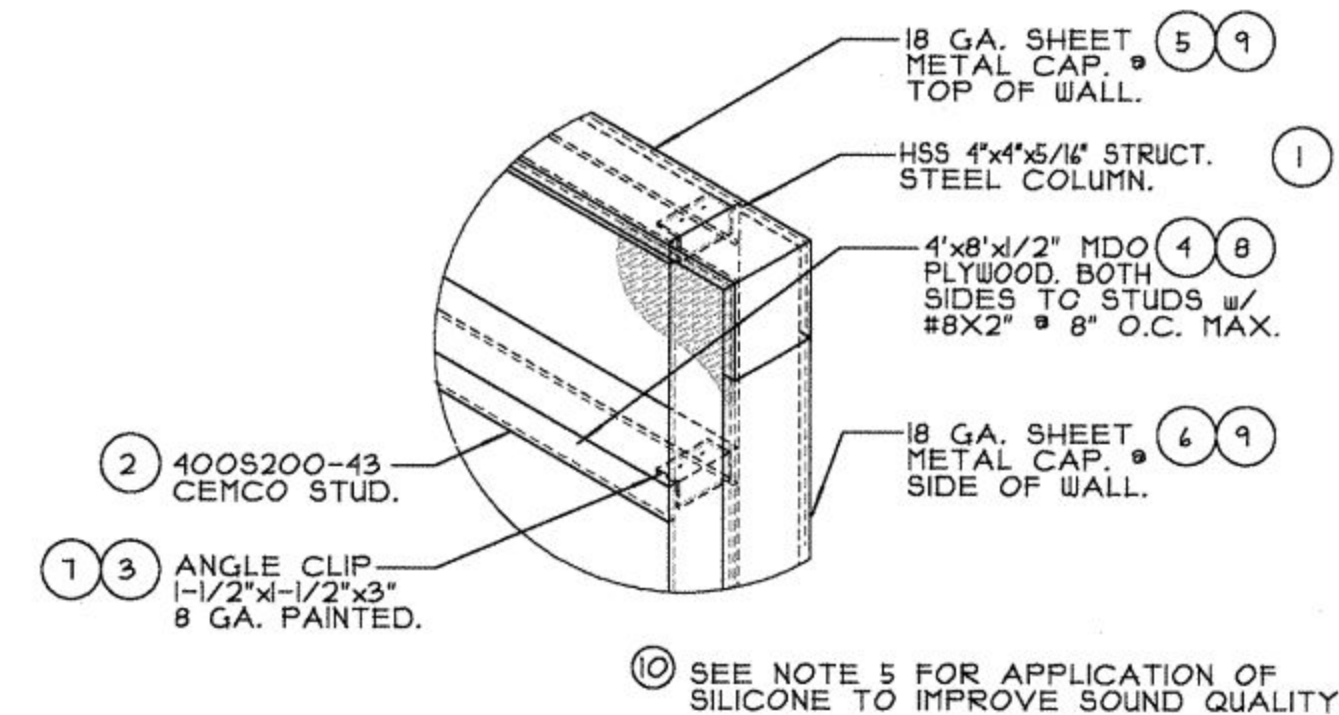


5 WALL GIRT/C-STUD SECTION
SCALE: N.T.S.

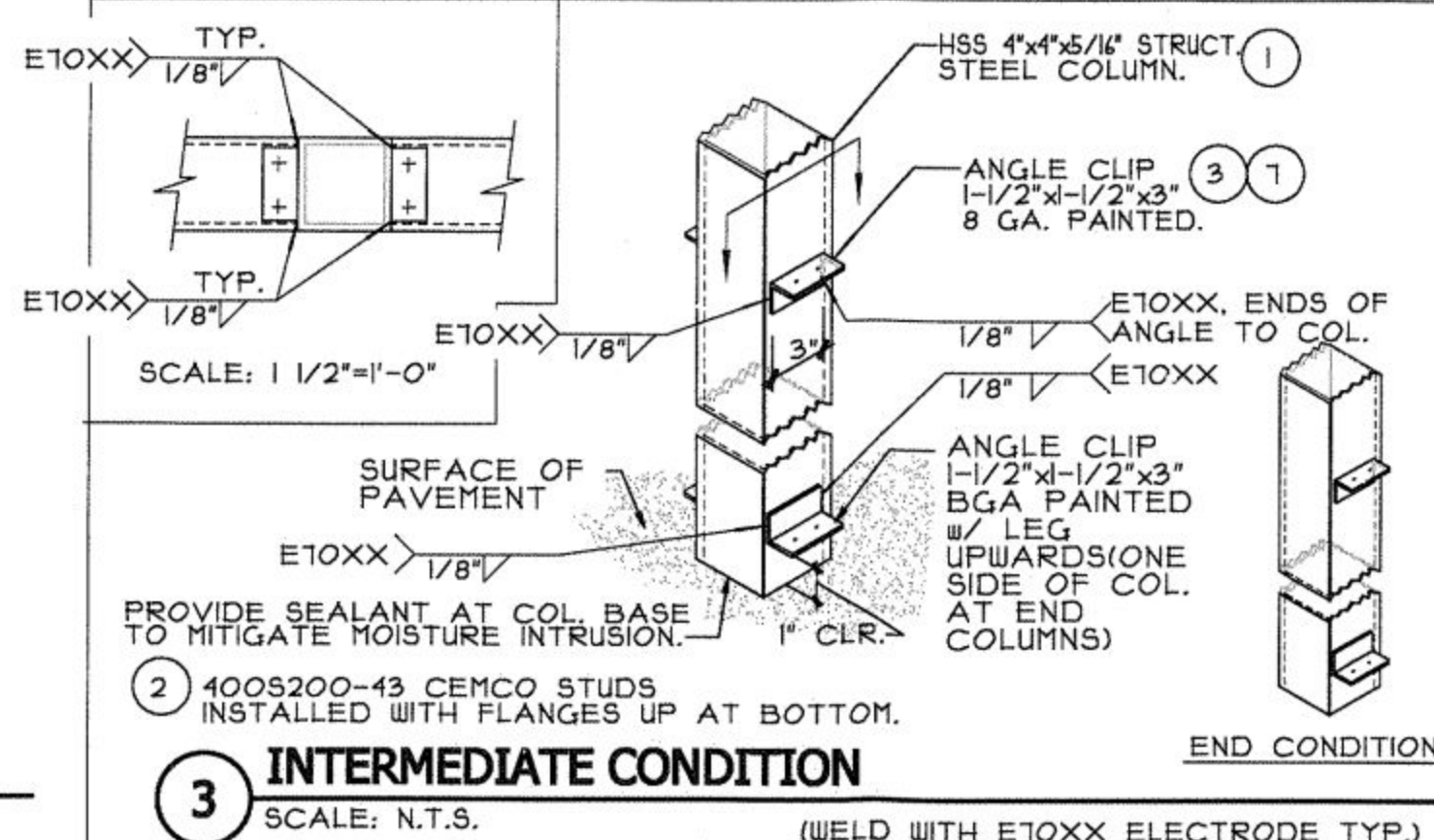
CEMCO DATA SHEET IS IN MISCELLANEOUS CALCULATION SUPPORT DOCUMENTS - APPENDIX A



1 TOP CENTER CONDITION
SCALE: N.T.S.



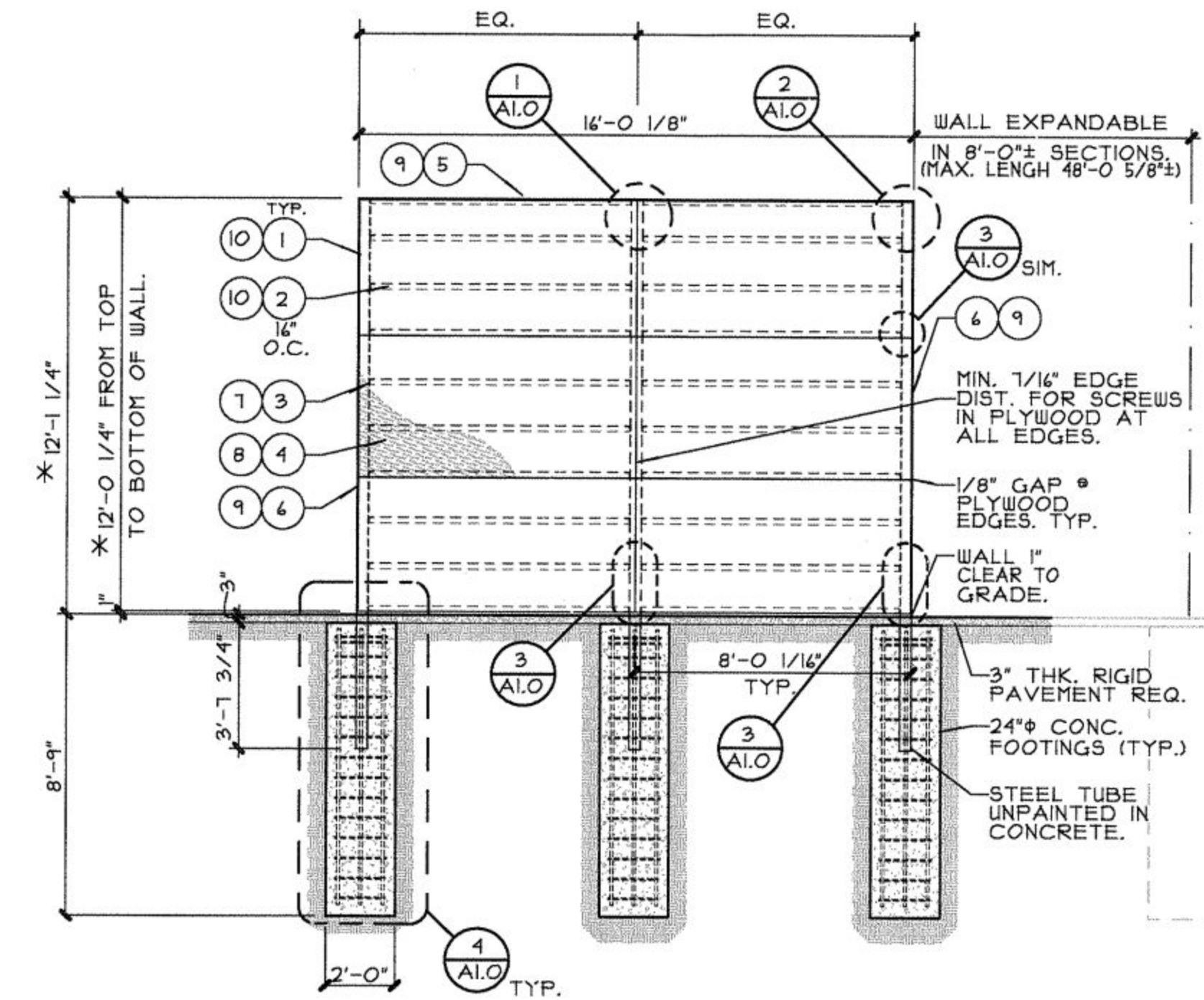
2 CORNER CONDITION
SCALE: N.T.S.



T1 BALL WALL COLUMN SIZE CHART

WALL HT. (FT.)	WALL I.D.	WALL LENGTH (FT.)	REQUIRED COLUMN SIZE
8	BW16-85 THRU BW48-85	16 THRU 48	HSS 4x4x5/16 STRUCT. TUBE x 12'-0\"/>
10	BW16-105 THRU BW40-105	16 THRU 40	HSS 4x4x5/16 STRUCT. TUBE x 14'-0\"/>
	BW48-105	48	HSS 4x4x3/8\"/>
12	BW16-125	16	HSS 4x4x5/16 STRUCT. TUBE x 16'-0\"/>
	BW24-125	24	HSS 4x4x3/8\"/>
	BW32-125 THRU BW40-125	32 THRU 40	HSS 4x4x1/2\"/>
	BW48-125	N/A	NOT INCLUDED IN THIS PRE-CHECK PLAN.

COLUMN NOTES: 1. ALL STRUCTURAL STEEL COLUMNS TO BE ASTM A500 GRADE B (Fy = 46ksi)
2. ALL COLUMNS ARE PAINTED WITH AN OIL BASED PRIMER.



SCALE: 1/4\"/>

ITEM	QUANT.	PART NO.	DESCRIPTION	WT. (LBS.)
1	3	FO2BW458	HSS 4x4x5/16 STRUCT. TUBE x 16'-0\"/>	
2	20	PO2BW418	400S200-43 CEMCO STUD x 1'-6\"/>	
3	40	PO2BW801	1-1/2x1-1/2x3/8 8 GA. CLIP, A36 STEEL, RUST INHIBITING OIL-BASE PRIMER PAINT	
4	12	PO8BW408	4x8x1/2\"/>	
5	1	FO2BW460	18 GA. SHEET METAL CAP x 16'-0\"/>	
6	2	FO2BW121	18 GA. SHEET METAL CAP x 12'-0\"/>	
7	15	PO1BW101	STRONG-POINT SCREWS: #12-24x1/8\"/>	
8	1100	PO1BW102	PRIME SOURCE PRO-TWIST #8x2\"/>	
9	15	PO1BW103	PANHEAD #10x1/2\"/>	
10	1	PO1BW988	TUBE OF SILICONE (SILICON MEETING IS808 + UL NO. E34952 OR SC51001, ASTM C920)	

DRAWING NOT TO SCALE
*NOTE: FOR 8' HT & 10' HT USE SAME DESIGN WITH LOWER 4 FOOT OR 2 FOOT OF WALL OMITTED.
** MDO = MEDIUM DENSITY OVERLAY FOR SMOOTH EXTERIOR SURFACE

- THERE ARE THREE SQUARE STEEL POSTS, ONE HAS "CLIPS" ON BOTH SIDES AND TWO HAVE CLIPS ON ONE SIDE ONLY. THE ONE WITH CLIPS ON BOTH SIDES IS THE CENTER POST AND THE OTHER TWO ARE THE END POSTS.
- DIG THREE FOOTINGS AS SHOWN ON THIS SHEET. PLACE THE PROPER POST INTO THE FOOTING HOLE AND SUPPORT THEM IN A PLUMB AND LEVEL POSITION AT THE PROPER SPACING. BE SURE THEY ARE PROPERLY ALIGNED AND AT THE PROPER HEIGHT ABOVE FINISHED GRADE. THE BOTTOM OF THE BOTTOM "CLIP" HAS TO BE 1 INCH ABOVE THE HIGHEST FINISHED GRADE. IF THE POSTS ARE NOT PLUMB AND TOPS AT THE SAME ELEVATION, YOU WILL HAVE PROBLEMS COMPLETING THE INSTALLATION.
- POUR 3000 PSI CONCRETE (CBC #1905A.1) INTO THE FOOTING HOLES WITH REINFORCEMENT. WAIT 34 HOURS BEFORE PROCEEDING. PROVIDE STANDARD AGGREGATE MIX WITH MAX. 1" AGGREGATE SIZE.
- ATTACH THE LIGHT GAGE METAL STUDS BY INSTALLING (2)-5/16" HEX A/F 4-POINT SELF-DRILLING SCREWS (ESR-3528), THROUGH THE STUD INTO THE "CLIPS". ALL STUDS EXCEPT THE BOTTOM STUD SHOULD HAVE THE FLAT SIDE UP. (2) SCREWS PER CLIP IS NECESSARY.
- APPLY A "DAB" OF SILICONE CAULKING TO THE FACE OF THE STUDS & COL. AT APPROXIMATELY 10" ON CENTER. THIS IS TO IMPROVE THE SOUND QUALITY OF THE WALL WHEN USED.
- ATTACH THE PLYWOOD SHEETS TO THE FRAME. MAKE SURE THE OVERLAY IS TO THE OUTSIDE OF THE WALL. USE THE PRO-TWIST SCREWS #8x2" (ESR-1408) WITH PLATED SCREW SPACING AT 8" O.C. MAX. (4" O.C. MIN SPACING)
- SCREW THE SHEET METAL CAPS TO THE TOP AND SIDES WITH THE #10x1/2" PANHEAD SCREWS @ 12" O.C. TO COMPLETE THE INSTALLATION. (ESR-1408)
- PAINT SURFACES WITH TWO COATS PROPER PAINT. (DO NOT PAINT OVER MILL I.D. #'S UNTIL INSPECTION HAS OCCURRED). PAINT IS NOT SUPPLIED BY L.A. STEELCRAFT.

PRE-CHECK (PC) DOCUMENT CODE: LATEST CCR EDITION AND 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269
AC: FLS
DATE: 1-27-2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117269
AC: FLS
DATE: 05/03/2019

BALL WALL COVER SHEE
BW16-125 (STAND
SECTION 8' EX

L.A. STEELCRAFT (PC# 03-115761)

NSP
Dena Carter
ARCHITECTURE
ENGINEERING
PLANNING

REVISIONS	
SHEET	A1.0
JOB NO.	E14026 001
DATE	1-26-15

BALL WALL STRUCTURAL PLAN

JAMES QUINN
MICHAEL D. J.

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