

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-12290 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
 MODERNIZATION
 2324 VERDE STREET
 FOR
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
 BAKERSFIELD, CA 93309
 PH: (661) 397-4377
 FAX: (661) 397-4378
 WWW.SCARCHITECT.COM

STEPHEN T. SWANSON, ARCHITECT
 LICENSED ARCHITECT
 No. C4788
 Exp. 11/30/24
 STATE OF CALIFORNIA

STEPHEN T. SWANSON, ARCHITECT, LEED®-AP

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



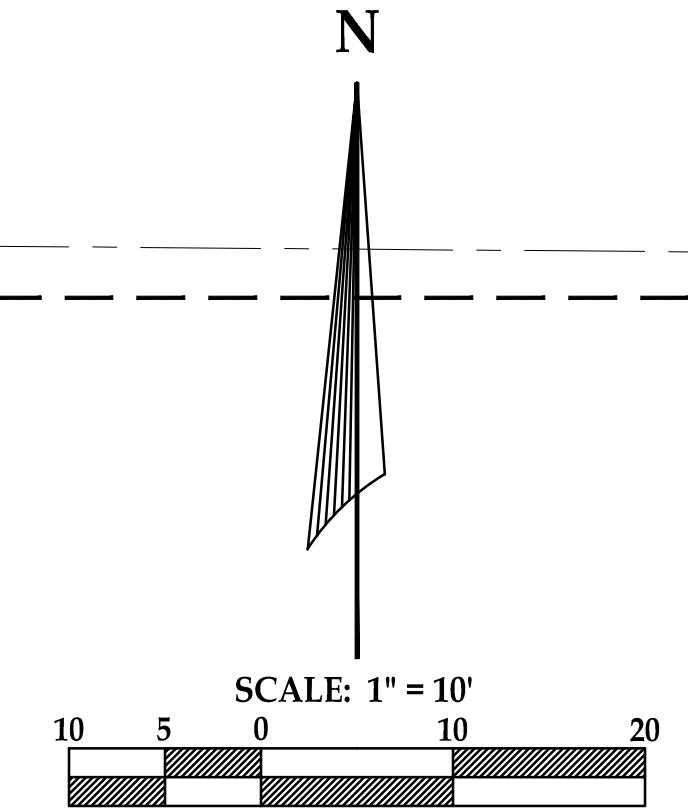
GRADING PLAN

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.
 DRAWN:
 CHECKED:
 DATE:

C

2
 OF SHEETS



SWANSON ENGINEERING, INC.
 2000 OAK STREET SUITE 150 ~ BAKERSFIELD, CA 93301
 P: (661) 831-4919; F: (661) 873-4777
 22-035 ROOSEVELT RTS

PATH OF TRAVEL:

PATH OF TRAVEL (POT) AS INDICATED IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4" AT 12 MAXIMUM SLOPE EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL POT IS A MINIMUM OF 48" WIDE. THE SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. PAVING SPACES (18-405.5.3) AT LEAST 60"x60" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF POT WITH CONTIGUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS AT INTERVALS OF 400' MAXIMUM (18-405.7) SLOPE SHALL NOT EXCEED 2% CROSS-SLOPE AND 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL (18-401) SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (18-405). THERE SHALL BE NO DROP-OFF COVER 4" ALONG THE EDGE OF WALK OR LANDINGS. POT SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS AND OBJECTS PROTRUDING GREATER THAN 4" FROM A WALL, BETWEEN 21" TO 80" ABOVE FINISHED GRADE. ARCHITECT SHALL VERIFY THAT NO BARRIERS EXIST IN THE PATH OF TRAVEL.

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

DURING CONSTRUCTION IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

SITE PLAN GENERAL NOTES:

- SEE ELECTRICAL SITE PLANS FOR ADDITIONAL SITE RELATED WORK. CONTRACTOR SHALL COORDINATE ALL WORK AS REQ'D TO ENSURE A COMPLETE & FINISHED PROJECT.
- CONTRACTOR TO TAKE ALL NECESSARY AND REQUIRED MEASURES TO PROTECT (E) IRRIGATION & TURF AREAS WITHIN THE JOB SITE, AND SHALL BE RESPONSIBLE TO REPLACE ANY OR ALL BROKEN IRRIGATION SYSTEMS, RESEED TURF AS REQUIRED.
- CONTRACTOR TO TRY ALL (E) UTILITY BOXES, (E) VALVES, ETC. IN AREA OF SCHEDULED WORK, DEMO, REMOVE, RELOCATE AND/OR MODIFY AS NECESSARY TO COMPLETE THE WORK INDICATED. NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS.
- CONTRACTOR SHALL PATCH & MATCH ANY ADJACENT SURFACES DAMAGED AS A RESULT OF PERFORMING THE WORK REQUIRED.

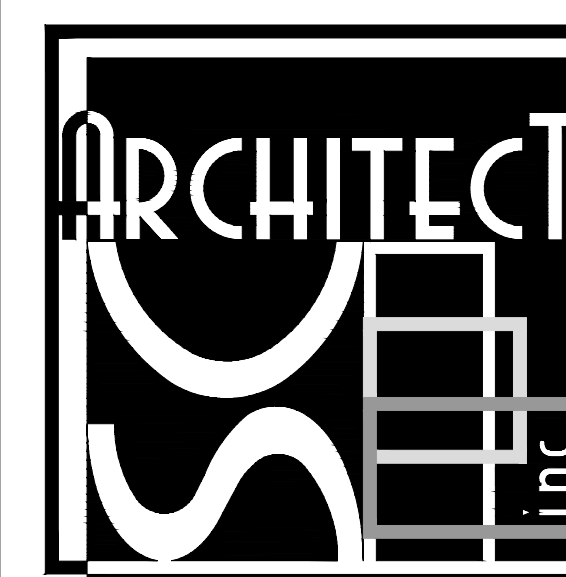
LEGEND:

	NO WORK SCHEDULE FOR THIS BUILDING		PATCH & MATCH TURF AS REQ'D
	AREA OF SCHEDULED WORK PER THIS APPLICATION		PATCH & MATCH AC PAVING AS REQ'D
	CONCRETE WALK (S AIOJ)		PATH OF TRAVEL
	(E) ACCESSIBLE RESTROOM		PROPERTY LINE
	ACCESSIBLE RESTROOM PER THIS APPLICATION		(E) CHAIN LINK FENCE

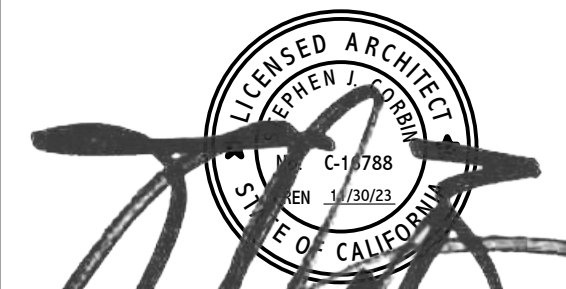
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OVERALL SITE PLAN

MARK	DATE	REVISIONS
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▲		

JOB NO. 1317
 DRAWN: ED, FS
 CHECKED: BCW
 DATE: 4/24/23

SCALE: 1" = 30'-0"

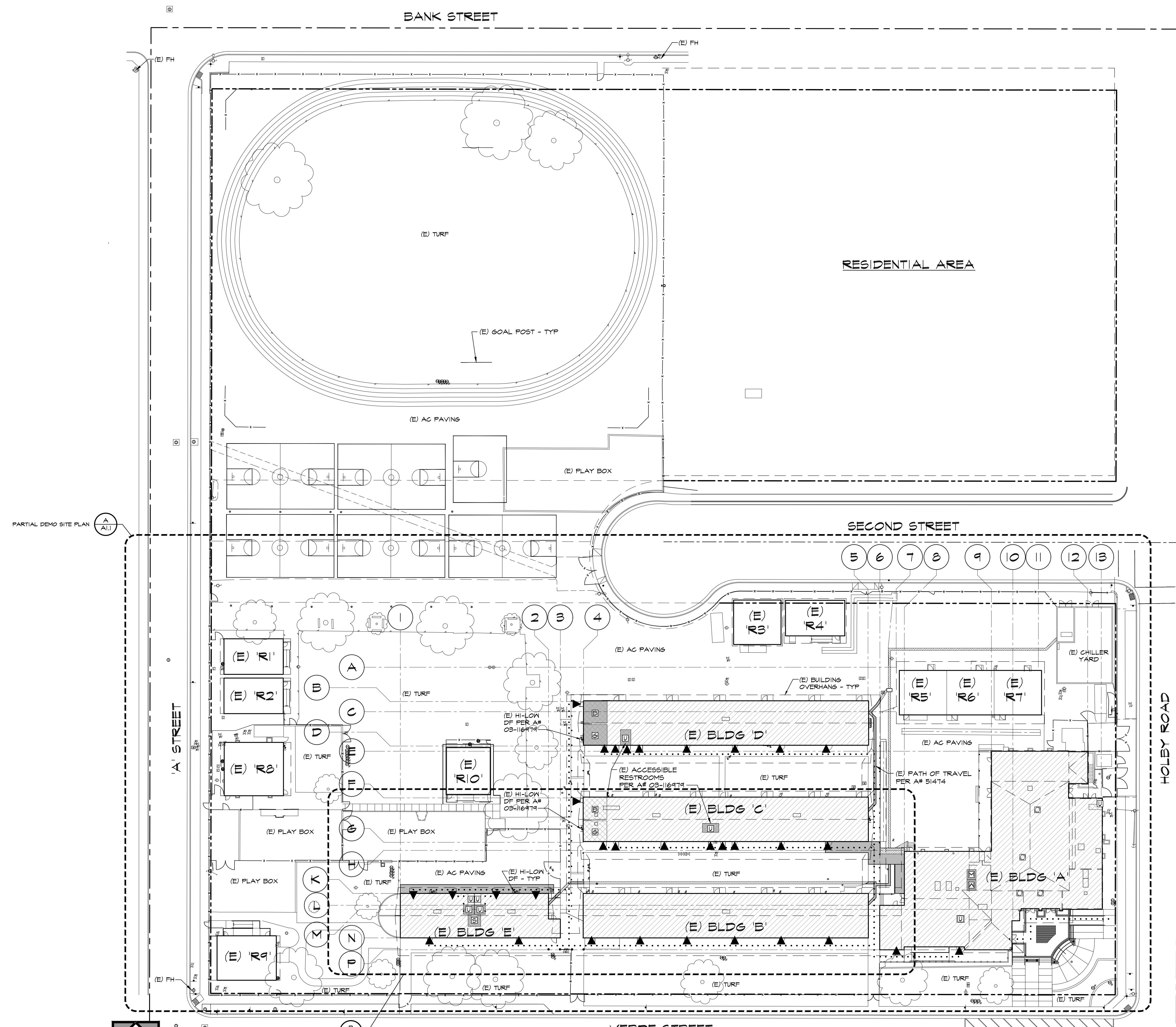
1.0
 3 OF 67 SHEETS

CAMPUS DIRECTORY

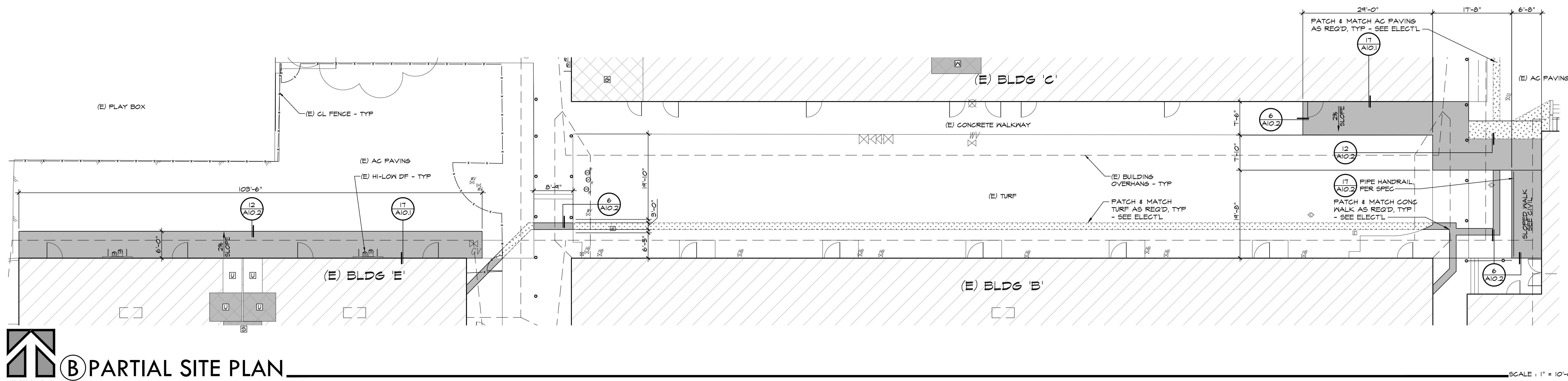
BLDG ID#	BUILDING DESCRIPTION	DSA A#	CERTIFICATION STATUS, DATE
(E) BLDG 'A'	ADMINISTRATION / LIBRARY	#312	-
	#249B	-	-
	#1862	-	-
	#51474	-	YES: 8/5/1998
	#45050	-	-
	#03-116974	-	YES: 6/9/2022
(E) BLDG 'B'	CLASSROOM BUILDING	#1862	-
	#51474	-	YES: 8/5/1998
(E) BLDG 'C'	CLASSROOM BUILDING	#1862	-
	#51474	-	YES: 8/5/1998
	#03-116974	-	YES: 6/9/2022
(E) BLDG 'D'	CLASSROOM BUILDING	#1862	-
	#51474	-	YES: 8/5/1998
	#03-116974	-	YES: 6/9/2022
(E) BLDG 'E'	KINDERGARTEN	#1862	-
	#51474	-	YES: 8/5/1998
(E) R1'	SPECIAL ED / PRE-K	-	-
(E) R2'	TK	-	-
(E) R3'	CLASSROOM	#17766	-
(E) R4'	CLASSROOM	#4679	-
	#1862	-	-
(E) R5'	CLASSROOM	#17766	-
(E) R6'	CLASSROOM	#17766	-
(E) R7'	CLASSROOM	#17766	-
(E) R8'	PRE-K	#03-110694	YES: 7/21/2008
(E) R9'	PTC	#6168	NO
(E) R10'	CLASSROOM	#03-116974	YES: 6/9/2022

BUILDING CODE ANALYSIS

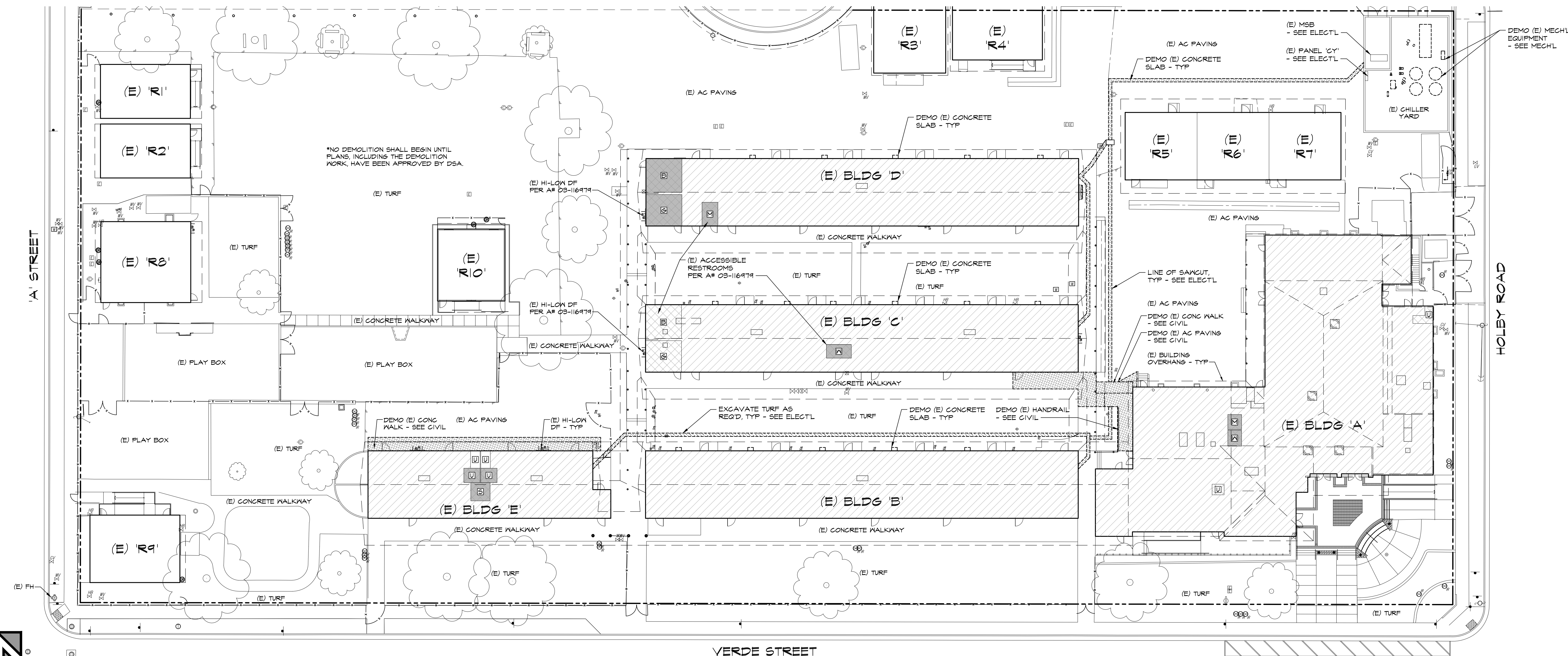
BUILDING ID#	BLDG OCC. TYPE	TYPE OF CONST	BASIC ALLOWABLE AREA	ACTUAL HT STRY/FT	ALLOWABLE STORIES/ HT ABV GRADE	ACTUAL AREA TOTAL	TOTAL SQUARE FOOTAGE
(E) BLDG 'A'	A-2 / E	V-B	15,500	1 STRY/25'-0"	2 STRY/40'-0"	12,334 SF	12,334 < 15,500 ..OK
(E) BLDG 'B'	E	V-B	9,500	1 STRY/16'-6"	1 STRY/40'-0"	5,714 SF	5,714 < 9,500 ..OK
(E) BLDG 'C'	E	V-B	9,500	1 STRY/16'-6"	1 STRY/40'-0"	5,714 SF	5,714 < 9,500 ..OK
(E) BLDG 'D'	E	V-B	9,500	1 STRY/16'-6"	1 STRY/40'-0"	5,714 SF	5,714 < 9,500 ..OK
(E) BLDG 'E'	E	V-B	9,500	1 STRY/16'-6"	1 STRY/40'-0"	3,102 SF	3,102 < 9,500 ..OK



OVERALL SITE PLAN
 PLAN NORTH



B PARTIAL SITE PLAN



A PARTIAL DEMO SITE PLAN

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PARTIAL DEMO SITE PLAN & PARTIAL SITE PLAN

MARK	DATE	REVISIONS
▲		
▲		

JOB NO. 1317
 DRAWN: ED, FS
 CHECKED: BCW
 DATE: 4/24/23

1.1
 4 OF 67 SHEETS

KEYNOTES		
201 DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD	214 DEMO (E) DRINKING FOUNTAIN	227 (E) GRAB BAR TO REMAIN
202 DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	215 DEMO (E) MALL FINISH	228 (E) SOLID TOILET PARTITIONS TO REMAIN
203 DEMO (E) FLOOR FINISH	216 DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & GAP BELOW GRADE	229 (E) PAPER TOWEL DISPENSER TO REMAIN
204 DEMO (E) T-BAR CEILING SYSTEM, LIGHTING AND BATT INSULATION	217 DEMO (E) UNIT VENTILATOR	230 (E) TOILET PAPER DISPENSER TO REMAIN
205 DEMO (E) IX STRIPPING AND ACOUSTICAL TILE	218 DEMO (E) LOUVER	231 (E) FLOOR DRAIN TO REMAIN
206 REMOVE & RELOCATE (E) RECESSED AIR FILTER	219 (E) DOOR TO REMAIN	232 (E) 1/2" STD PIPE RAIL TO REMAIN
207 DEMO (E) CABINETS / SHELVING	220 (E) THRESHOLD TO REMAIN	233 RELOCATE (E) LAVATORY / SINK
208 DEMO (E) TOILET / URINAL	221 (E) WINDOW TO REMAIN	234 RELOCATE (E) TOILET PAPER DISPENSER
209 DEMO (E) LAVATORY / SINK	222 (E) CABINETS / SHELVING TO REMAIN	235 RELOCATED (E) LAVATORY / SINK
210 DEMO (E) SOLID TOILET PARTITIONS	223 (E) FURRED WALL TO REMAIN	236 RELOCATED (E) TOILET PAPER DISPENSER
211 DEMO (E) PAPER TOWEL DISPENSER	224 (E) DRINKING FOUNTAIN TO REMAIN	237 DOOR PER SCHEDULE
212 DEMO (E) TOILET PAPER DISPENSER	225 (E) TOILET / URINAL TO REMAIN	238 THRESHOLD / REDUCER STRIP PER SCHEDULE
213 DEMO (E) SOAP DISPENSER	226 (E) LAVATORY / SINK TO REMAIN	239 REMOVE & RELOCATE (E) AIR FILTER
		240 WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
		241 FLAM BASE CABS AND / OR UPPER CABS
		242 SOLID PLASTIC PARTITIONS
		243 GRAB BAR - 48" AT SIDE AND 36" AT BACK
		244 WINDOW PER SCHEDULE
		245 RECESSED PAPER TOWEL / TOILET PAPER DISPENSER PER SPEC
		246 TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
		247 URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
		248 LAVATORY / SINK AND REQUIREMENTS - SEE PLUMBING PLANS
		249 DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
		250 PIPE RAIL PER SPEC
		251 PATCH & MATCH FLOORING TO MATCH (E) FLOORING
		252 FIRE EXTINGUISHER

ADA REQ'D MIN CLEARANCES	
□	30" X 48"
□	48" X 48"
□	48" X 54"
□	48" X 60"
□	54" X 60"
□	60" X 60"
□	60" X 72"
□	60" DIA

LEGEND:

- ===== DEMO (E) 2x WOOD STUD WALL
- TO BE DEMOLISHED
- ===== (E) 2x6 WOOD STUD WALL
- ===== (E) 2x4 WOOD STUD WALL
- ===== (E) CONCRETE WALL
- ===== 2x6 WOOD STUDS @ 16" OC IV INSUL PER SPEC, UNO - NON-BEARING WALL
- ===== 2x4 WOOD STUDS @ 16" OC IV INSUL PER SPEC, UNO - NON-BEARING WALL

PATCH & MATCH FLOORING TO MATCH (E) FLOORING

251 SIGNAGE

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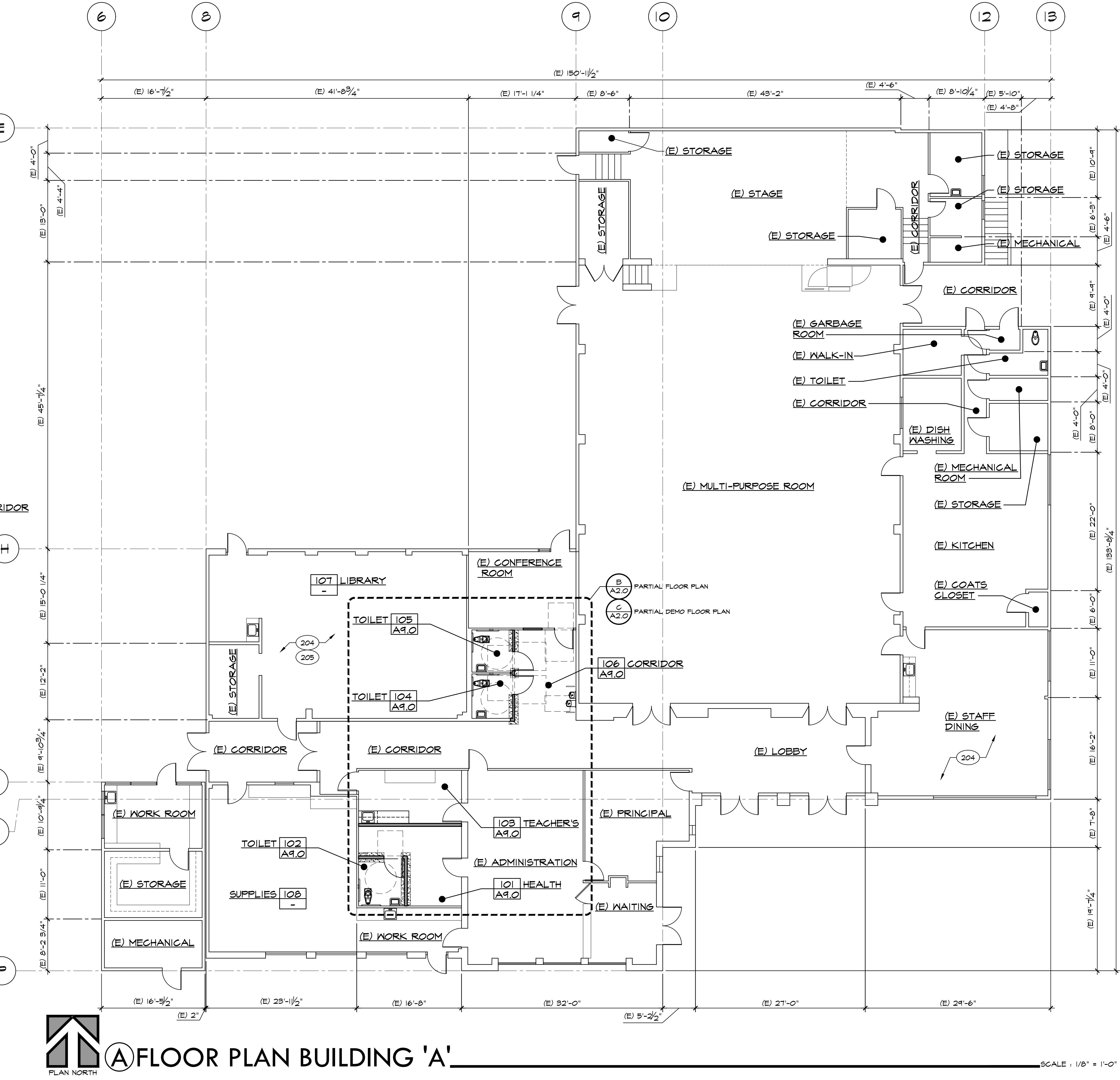
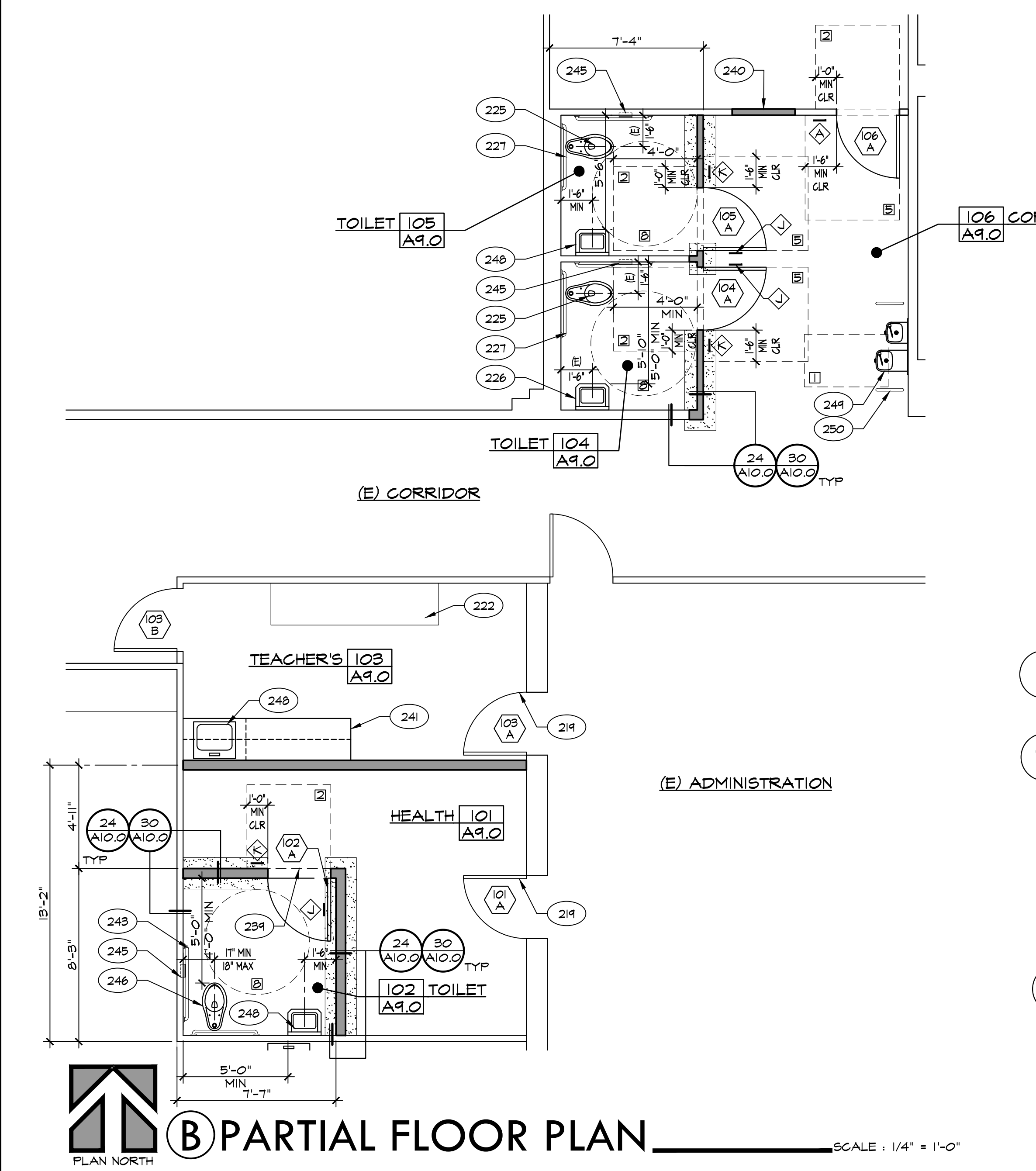
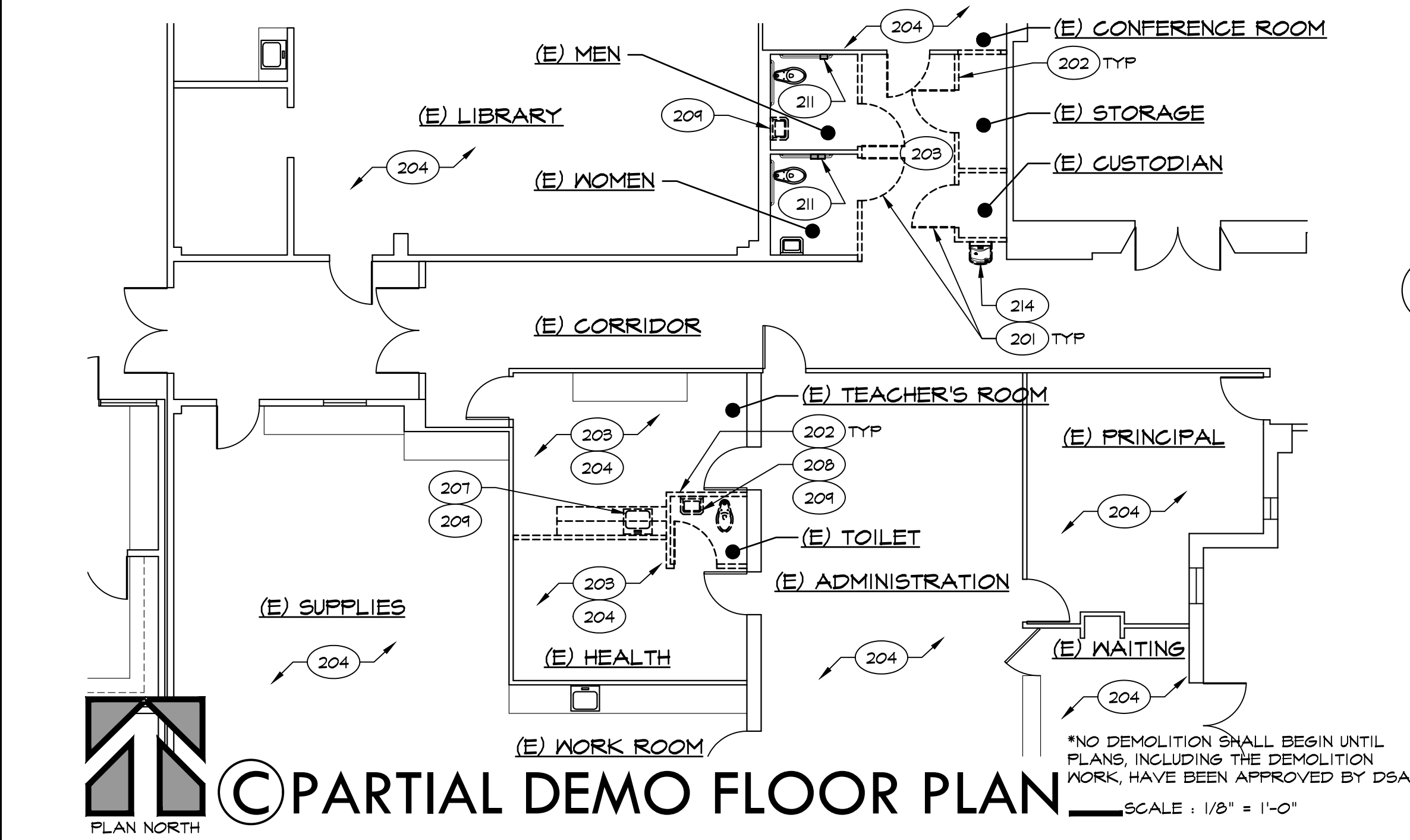
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FLOOR PLAN
BUILDING 'A',
PARTIAL FLOOR
PLAN & DEMO
FLOOR PLAN

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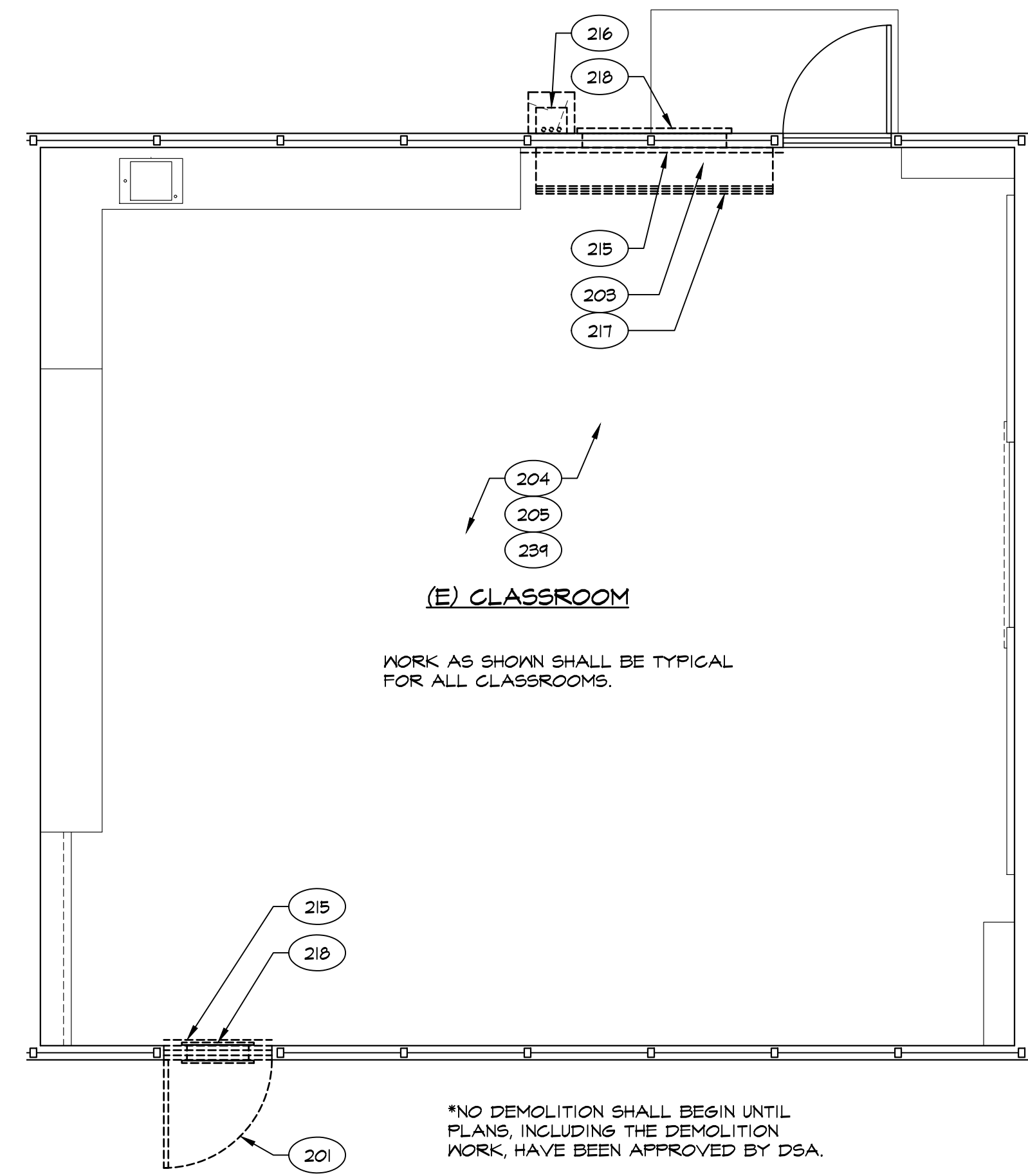
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5 OF 67 SHEETS



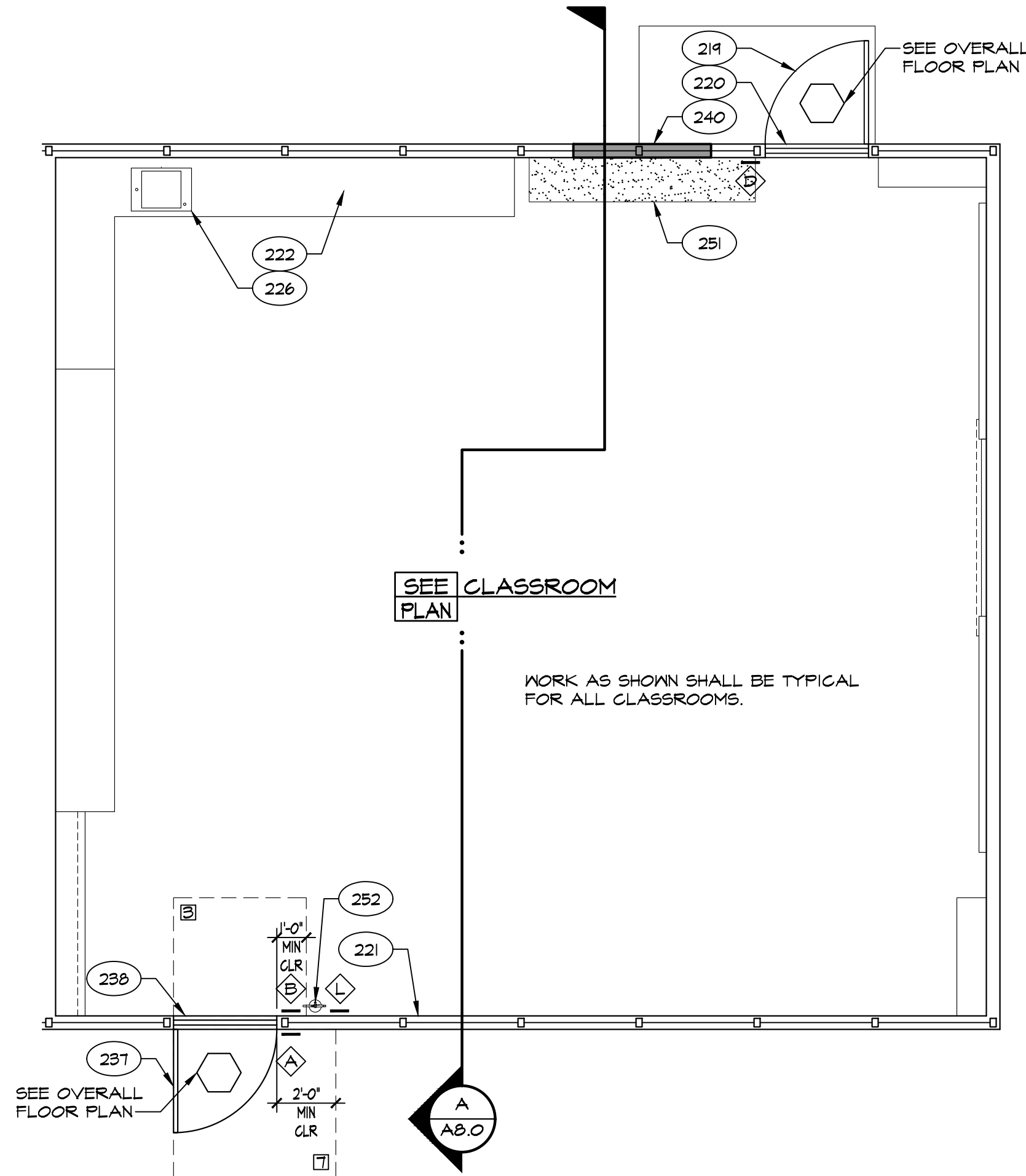
KEYNOTES	
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS
203	DEMO (E) FLOOR FINISH
204	DEMO (E) T-BAR CEILING SYSTEM, LIGHTING AND BATT INSULATION
205	DEMO (E) IX STRIPPING AND ACOUSTICAL TILE
206	REMOVE & RELOCATE (E) RECESSED AIR FILTER
207	DEMO (E) CABINETS / SHELVING
208	DEMO (E) TOILET / URINAL
209	DEMO (E) LAVATORY / SINK
210	DEMO (E) SOLID TOILET PARTITIONS
211	DEMO (E) PAPER TOWEL DISPENSER
212	DEMO (E) TOILET PAPER DISPENSER
213	DEMO (E) SOAP DISPENSER
214	DEMO (E) DRINKING FOUNTAIN
215	DEMO (E) WALL FINISH
216	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & GAP BELOW GRADE
217	DEMO (E) UNIT VENTILATOR
218	DEMO (E) LOUVER
219	(E) DOOR TO REMAIN
220	(E) THRESHOLD TO REMAIN
221	(E) WINDOW TO REMAIN
222	(E) CABINETS / SHELVING TO REMAIN
223	(E) FURRED WALL TO REMAIN
224	(E) DRINKING FOUNTAIN TO REMAIN
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226	(E) LAVATORY / SINK TO REMAIN
227	(E) GRAB BAR TO REMAIN
228	(E) SOLID TOILET PARTITIONS TO REMAIN
229	(E) PAPER TOWEL DISPENSER TO REMAIN
230	(E) TOILET PAPER DISPENSER TO REMAIN
231	(E) FLOOR DRAIN TO REMAIN
232	(E) 1/2" STD PIPE RAIL TO REMAIN
233	RELOCATE (E) LAVATORY / SINK
234	RELOCATE (E) TOILET PAPER DISPENSER
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243	GRAB BAR - 48" AT SIDE AND 36" AT BACK
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246	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
247	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
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249	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
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252	FIRE EXTINGUISHER

ADA REQ'D MIN CLEARANCES	
□	30" X 48"
▣	48" X 48"
▤	48" X 54"
▥	48" X 60"
▦	54" X 60"
▧	60" X 60"
▨	60" X 66"
⊠	60" DIA

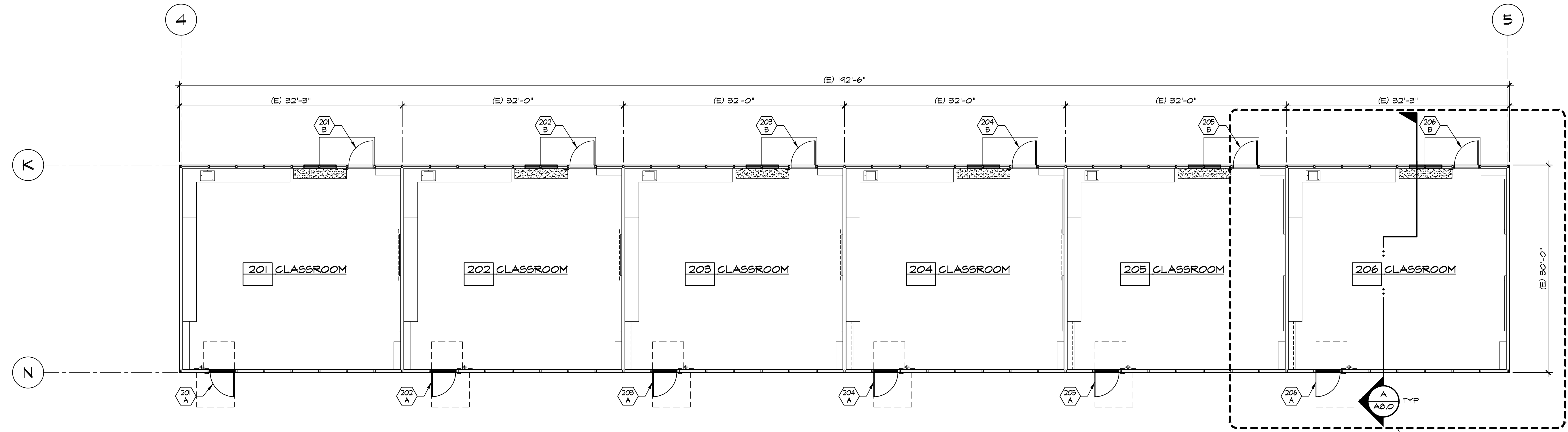
LEGEND:	
—	(E) 2x WOOD STUD WALL
▨	DEMO (E) CONC SLAB AS REQ'D
▨	PATCH & MATCH FLOORING TO MATCH (E) FLOORING
◇	SIGNAGE



PLAN NORTH **C** DEMO PARTIAL FLOOR PLAN TYPICAL CLASSROOM SCALE: 1/4" = 1'-0"



PLAN NORTH **B** PARTIAL FLOOR PLAN TYPICAL CLASSROOM SCALE: 1/4" = 1'-0"



PLAN NORTH **A** FLOOR PLAN BUILDING 'B' SCALE: 1/8" = 1'-0"

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FLOOR PLAN BUILDING 'B', PARTIAL FLOOR PLAN & DEMO FLOOR PLAN

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□	60" X 60"
□	60" X 66"
□	60" DIA

LEGEND:	
-----	DEMO (E) 2x WOOD STUD WALL
-----	(E) 2x WOOD STUD WALL
⊠	(E) 2" DEPRESS SLAB
⊠	DEMO (E) CONC SLAB AS REQ'D
⊠	PATCH & MATCH FLOORING TO MATCH (E) FLOORING
◇	SIGNAGE

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DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT
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INC.

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BAKERSFIELD, CA 93309
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STEPHEN J. COOPER, AIA, LEED®-AP
REGISTERED ARCHITECT
STATE OF CALIFORNIA
13882

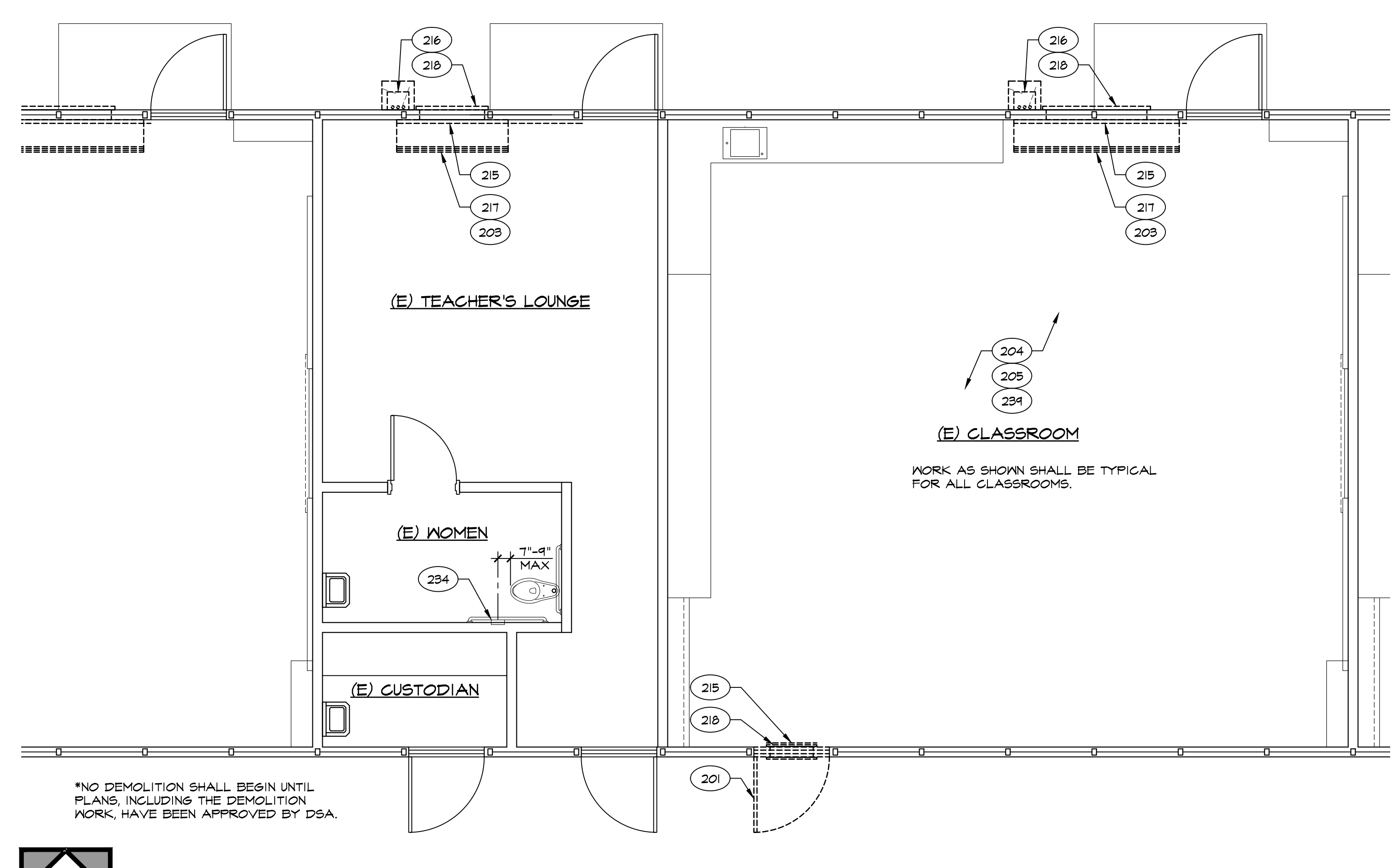
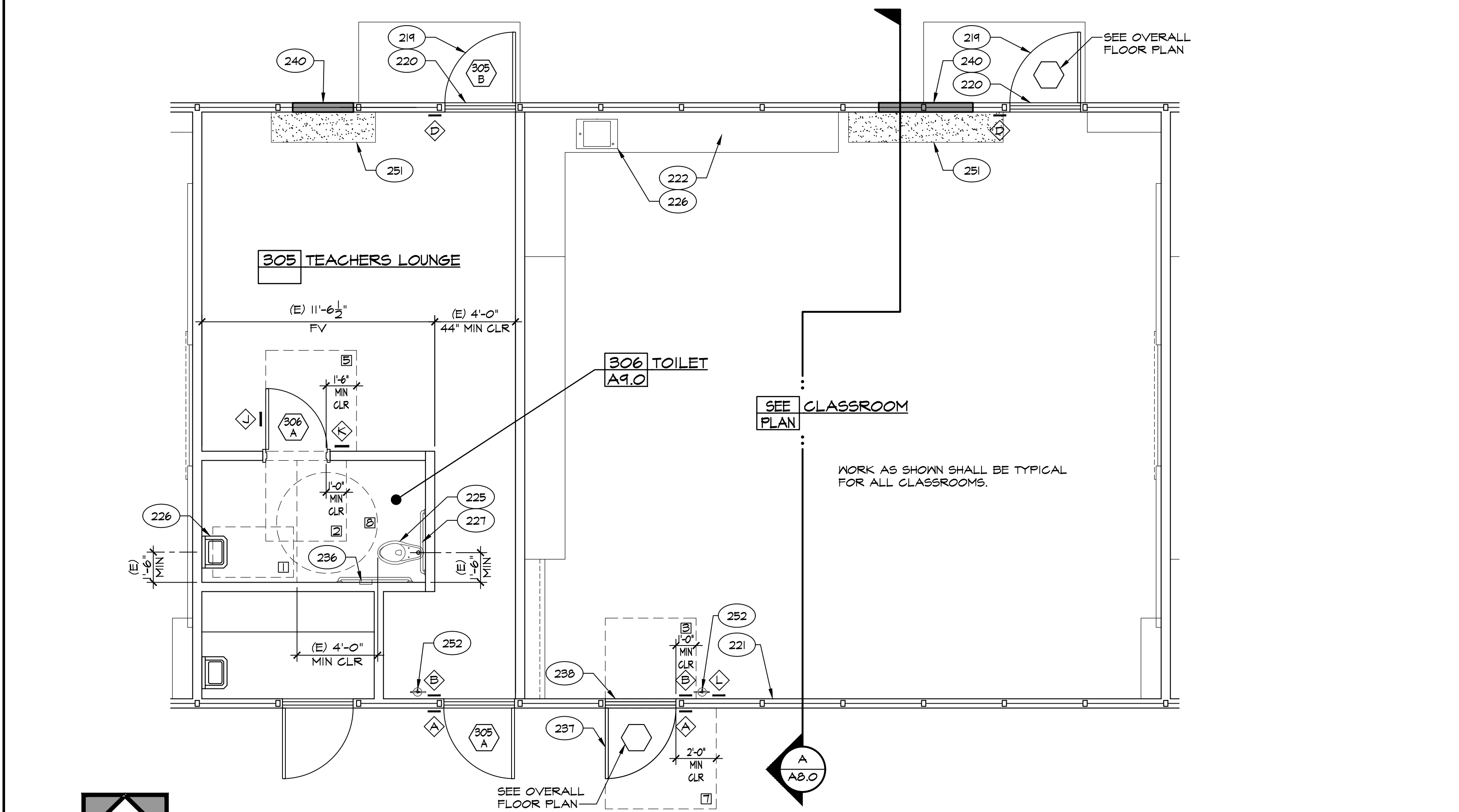
BAKERSFIELD CITY SCHOOL DISTRICT

FLOOR PLAN BUILDING 'C', PARTIAL FLOOR PLAN & DEMO FLOOR PLAN

MARK	DATE	REVISIONS
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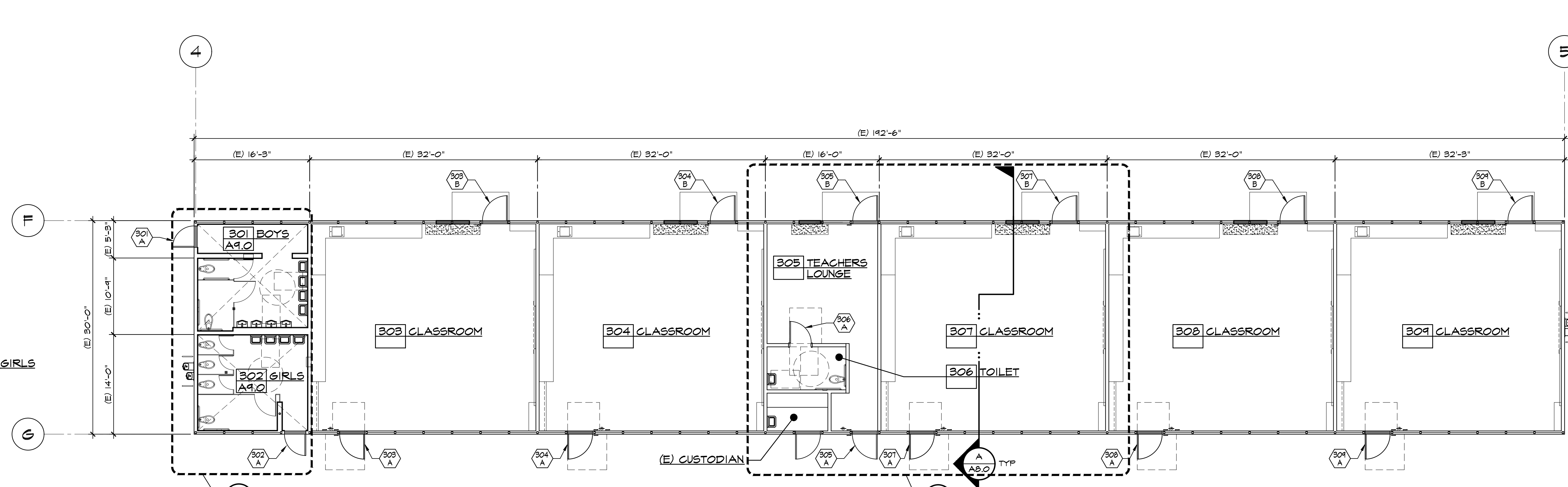
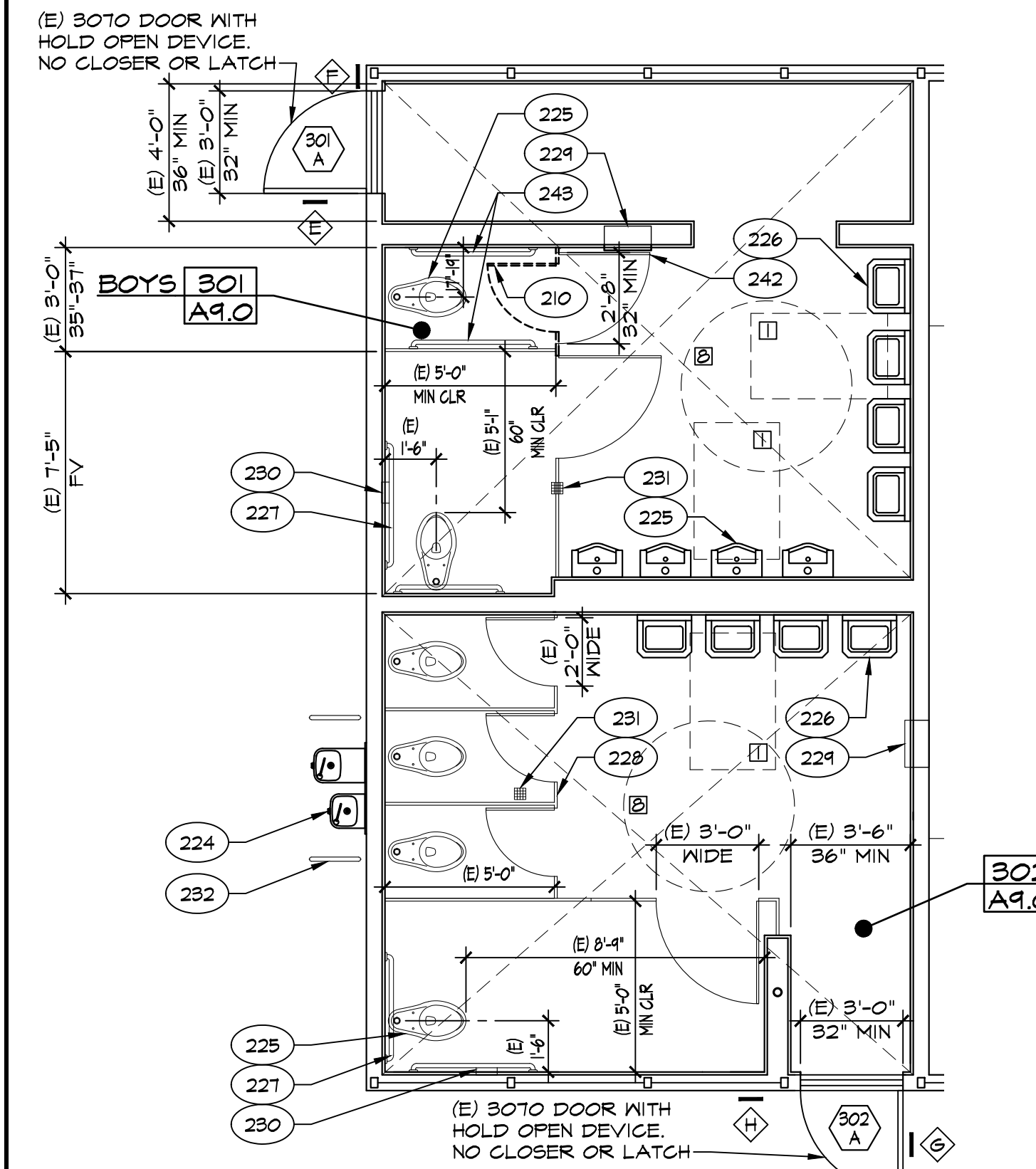
JOB NO. 1317
DRAWN: ED, FS
CHECKED: BCW
DATE: 4/24/23

2.2
7 OF 67 SHEETS



D PARTIAL FLOOR PLAN
TYPICAL CLASSROOM & WOMEN - PER A# 03-116979
SCALE: 1/4" = 1'-0"

C PARTIAL DEMO FLOOR PLAN
TYPICAL CLASSROOM & TEACHER'S LOUNGE
SCALE: 1/4" = 1'-0"



B RESTROOMS
BOYS / GIRLS - PER A# 03-116979
SCALE: 1/4" = 1'-0"

A FLOOR PLAN BUILDING 'C'
SCALE: 1/8" = 1'-0"

KEYNOTES			
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD	214	DEMO (E) DRINKING FOUNTAIN
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	215	DEMO (E) WALL FINISH
203	DEMO (E) FLOOR FINISH	216	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE
204	DEMO (E) T-BAR CEILING SYSTEM, LIGHTING AND BATT INSULATION	217	DEMO (E) UNIT VENTILATOR
205	DEMO (E) IX STRIPPING AND ACOUSTICAL TILE	218	DEMO (E) LOUVER
206	REMOVE & RELOCATE (E) RECESSED AIR FILTER	219	(E) DOOR TO REMAIN
207	DEMO (E) CABINETS / SHELVING	220	(E) THRESHOLD TO REMAIN
208	DEMO (E) TOILET / URINAL	221	(E) WINDOW TO REMAIN
209	DEMO (E) LAVATORY / SINK	222	(E) CABINETS / SHELVING TO REMAIN
210	DEMO (E) SOLID TOILET PARTITIONS	223	(E) FURRED WALL TO REMAIN
211	DEMO (E) PAPER TOWEL DISPENSER	224	(E) DRINKING FOUNTAIN TO REMAIN
212	DEMO (E) TOILET PAPER DISPENSER	225	(E) TOILET / URINAL TO REMAIN
213	DEMO (E) SOAP DISPENSER	226	(E) LAVATORY / SINK TO REMAIN
221	(E) GRAB BAR TO REMAIN	231	(E) FLOOR DRAIN TO REMAIN
222	(E) SOLID TOILET PARTITIONS TO REMAIN	232	(E) 1/2" STD PIPE RAIL TO REMAIN
223	(E) PAPER TOWEL DISPENSER TO REMAIN	233	RELOCATE (E) LAVATORY / SINK
224	(E) TOILET PAPER DISPENSER TO REMAIN	234	RELOCATE (E) TOILET PAPER DISPENSER
225	GRAB BAR - 48" AT SIDE AND 36" AT BACK	235	RELOCATED (E) LAVATORY / SINK
226	WINDOW TO REMAIN	236	RELOCATED (E) TOILET PAPER DISPENSER
227	RECESSED PAPER TOWEL / TOILET PAPER DISPENSER PER SPEC	237	LAVATORY / SINK AND REQUIREMENTS - SEE PLUMBING PLANS
228	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	238	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
229	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	239	PIPE RAIL PER SPEC
230	LAVATORY / SINK AND REQUIREMENTS - SEE PLUMBING PLANS	240	PATCH & MATCH FLOORING TO MATCH (E) FLOORING
231	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	241	FIRE EXTINGUISHER
232	PIPE RAIL PER SPEC	242	
233	PATCH & MATCH FLOORING TO MATCH (E) FLOORING	243	
234	FIRE EXTINGUISHER	244	

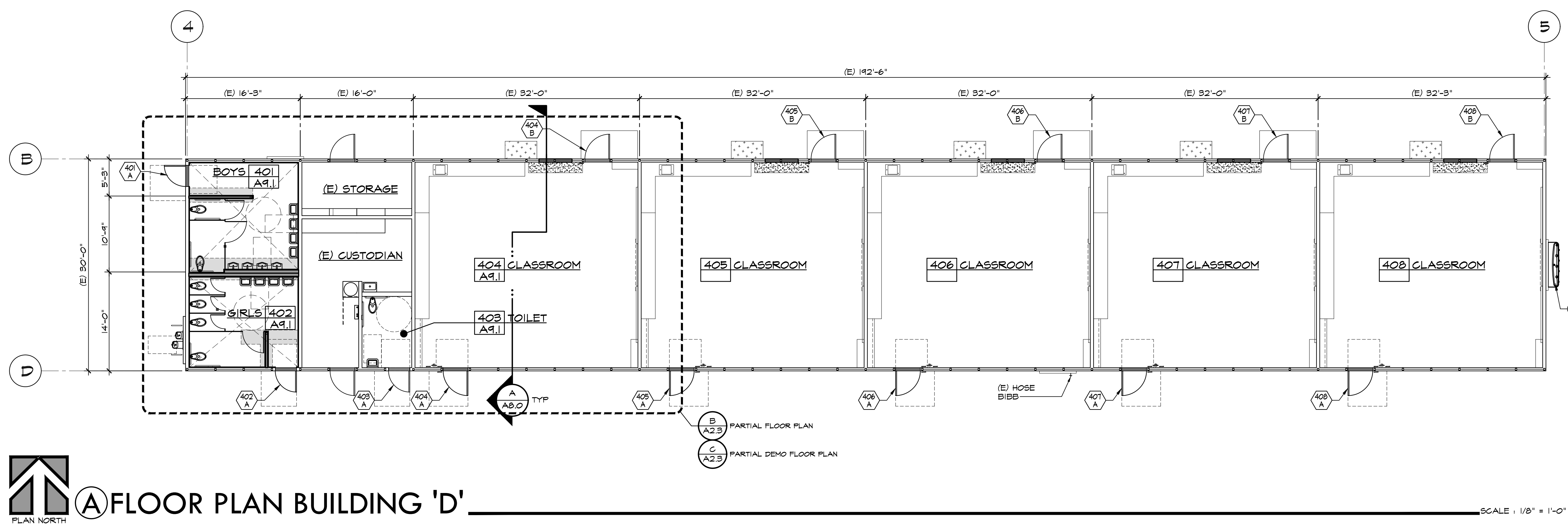
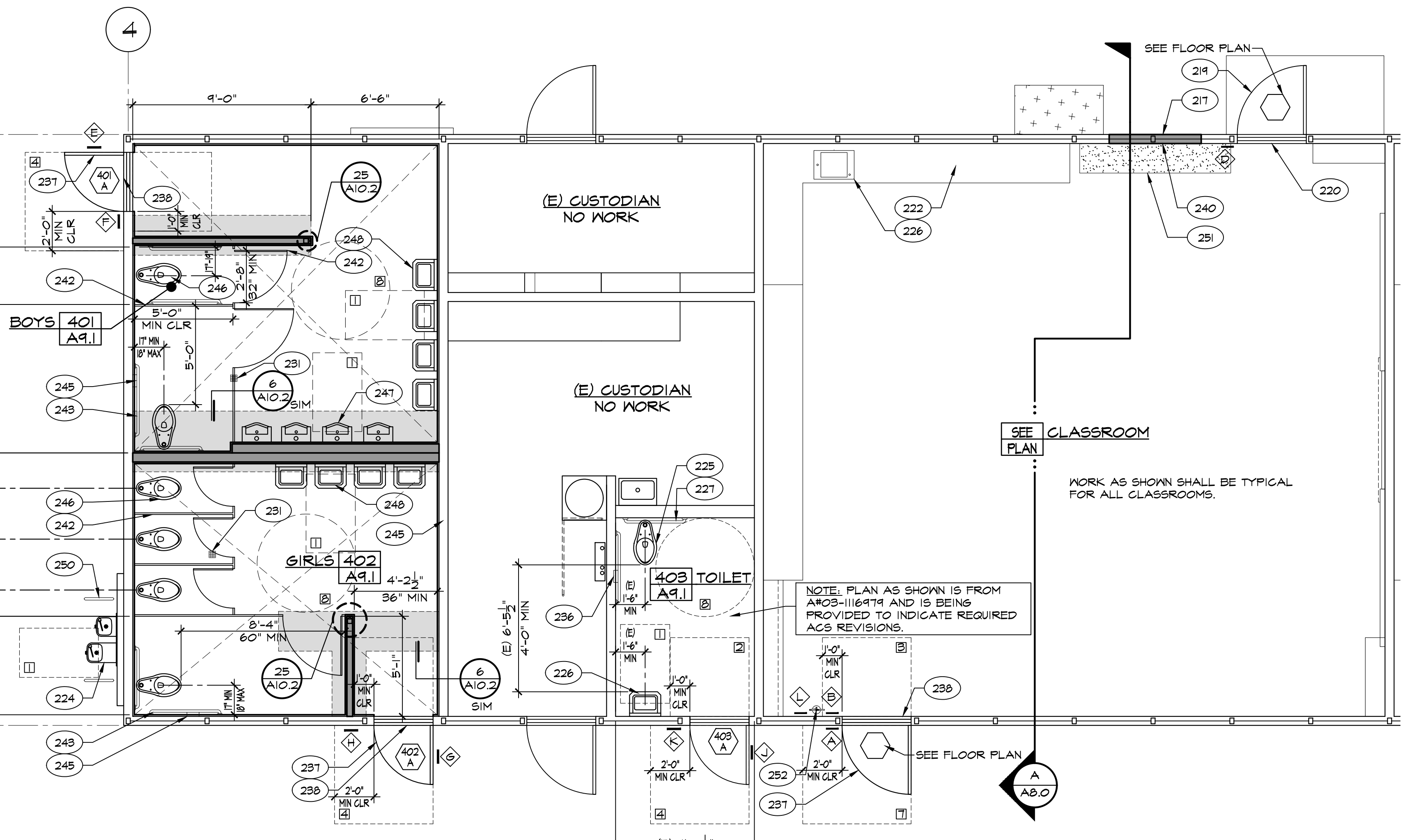
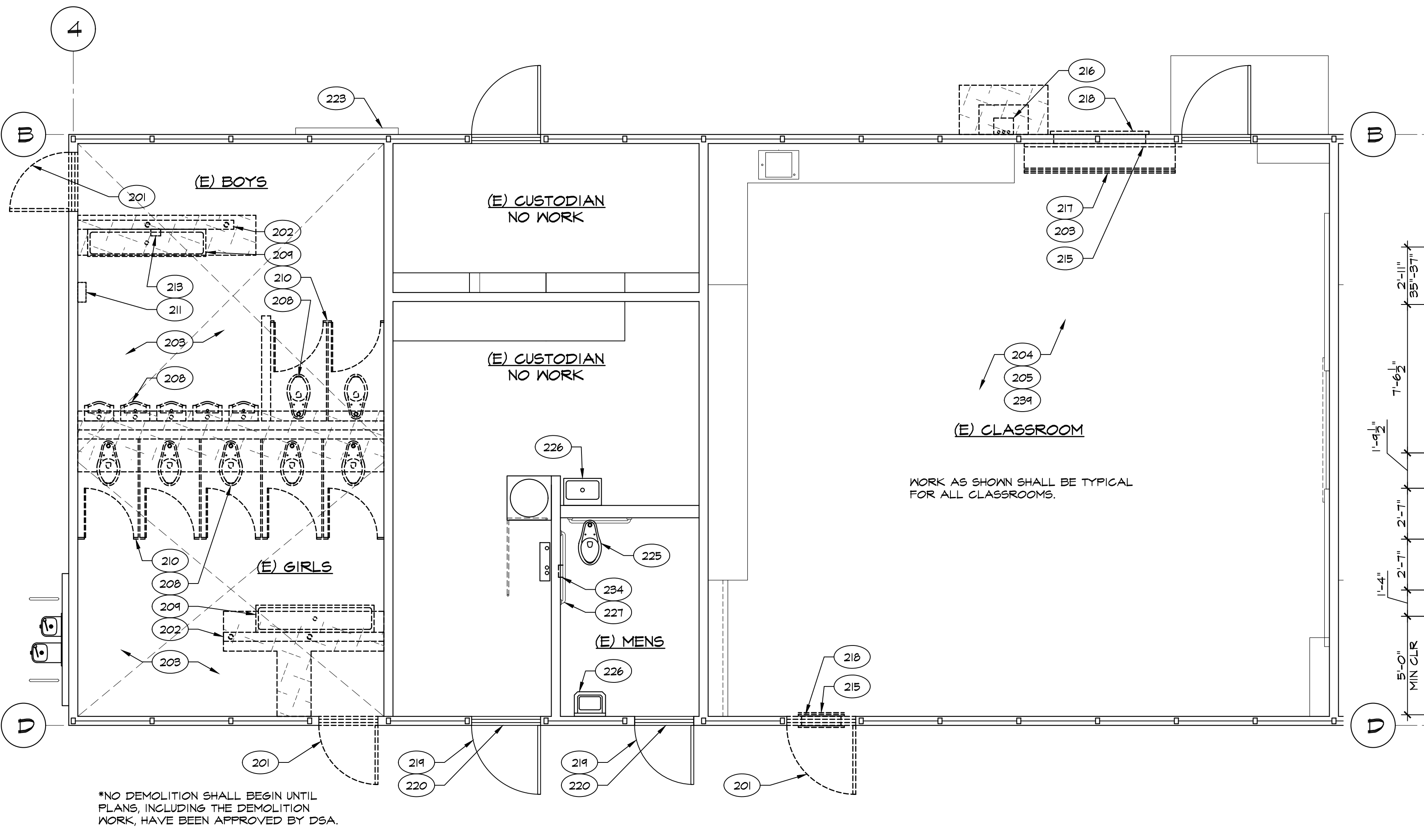
ADA REQ'D MIN CLEARANCES	
□	30" X 48"
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LEGEND:

- DEMO (E) 2x WOOD STUD WALL
- (E) 2x6 WOOD STUD WALL
- 2x4 WOOD STUDS @ 16" OC O/ 6" CONC CURB NON-BEARING WALL
- 2x6 WOOD STUDS @ 16" OC O/ 6" CONC CURB NON-BEARING WALL
- ◇ SIGNAGE
- (E) 2" DEPRESS SLAB
- DEMO (E) CONC SLAB / AC PAVING AS REQUIRED
- PATCH & MATCH AC PAVING AS REQUIRED
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING

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**ROOSEVELT ELEMENTARY SCHOOL
 MODERNIZATION**
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 FOR
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STEPHEN J. CANNON, AIA, LEED AP
 LICENSED ARCHITECT
 STATE OF CALIFORNIA

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

**FLOOR PLAN
 BUILDING 'D',
 PARTIAL FLOOR
 PLAN & DEMO
 FLOOR PLAN**

MARK	DATE	REVISIONS
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JOB NO. 1317
 DRAWN: ED, FS
 CHECKED: BCW
 DATE: 5/25/23

2.3
 8 OF 67 SHEETS

KEYNOTES

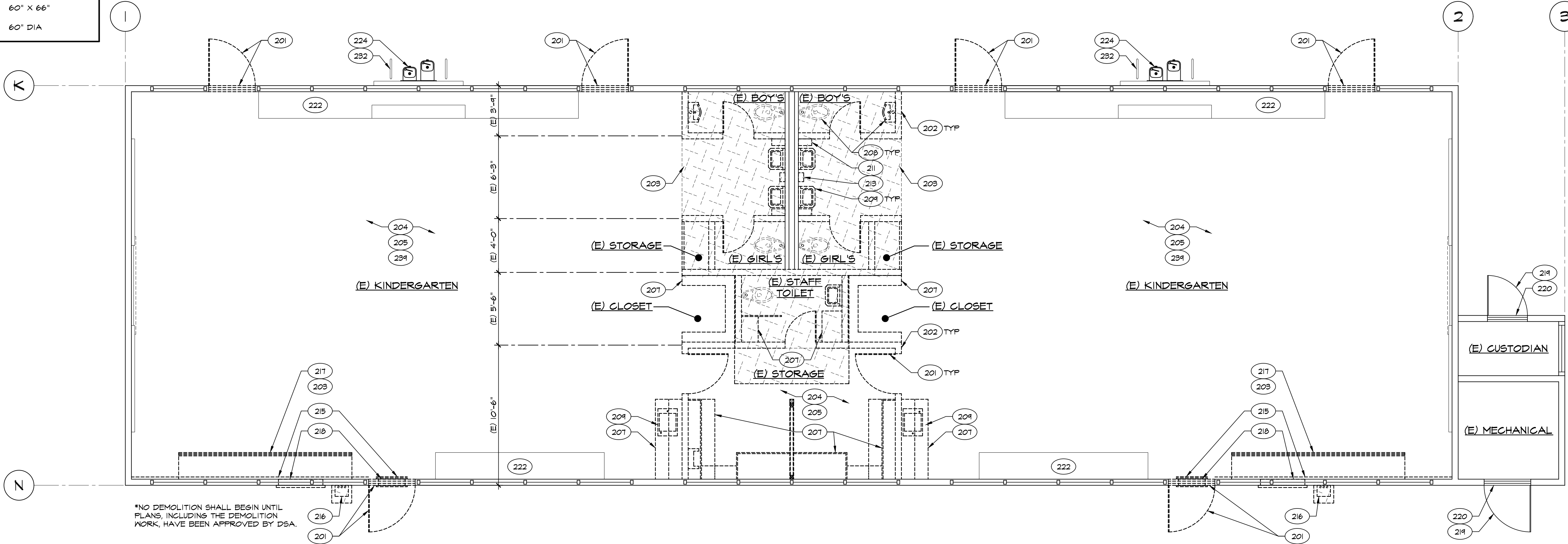
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- 206 REMOVE & RELOCATE (E) RECESSED AIR FILTER
- 207 DEMO (E) CABINETS / SHELVING
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- 210 DEMO (E) SOLID TOILET PARTITIONS
- 211 DEMO (E) PAPER TOWEL DISPENSER
- 212 DEMO (E) TOILET PAPER DISPENSER
- 213 DEMO (E) SOAP DISPENSER
- 214 DEMO (E) DRINKING FOUNTAIN
- 215 DEMO (E) WALL FINISH
- 216 DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & GAP BELOW GRADE
- 217 DEMO (E) UNIT VENTILATOR
- 218 DEMO (E) LOUVER
- 219 (E) DOOR TO REMAIN
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- 231 (E) FLOOR DRAIN TO REMAIN
- 232 (E) 1/2" STD PIPE RAIL TO REMAIN
- 233 RELOCATE (E) LAVATORY / SINK
- 234 RELOCATE (E) TOILET PAPER DISPENSER
- 235 RELOCATED (E) LAVATORY / SINK
- 236 RELOCATED (E) TOILET PAPER DISPENSER
- 237 DOOR PER SCHEDULE
- 238 THRESHOLD / REDUCER STRIP PER SCHEDULE
- 239 REMOVE & RELOCATE (E) AIR FILTER
- 240 WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
- 241 FLAM BASE CABS AND / OR UPPER CABS
- 242 SOLID PLASTIC PARTITIONS
- 243 GRAB BAR - 48" AT SIDE AND 36" AT BACK
- 244 WINDOW PER SCHEDULE
- 245 RECESSED PAPER TOWEL / TOILET PAPER DISPENSER PER SPEC
- 246 TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
- 247 URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
- 248 LAVATORY / SINK AND REQUIREMENTS - SEE PLUMBING PLANS
- 249 DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
- 250 PIPE RAIL PER SPEC
- 251 PATCH & MATCH FLOORING TO MATCH (E) FLOORING
- 252 FIRE EXTINGUISHER
- 253 KNEE SPACE REQUIREMENTS

ADA REQ'D MIN CLEARANCES

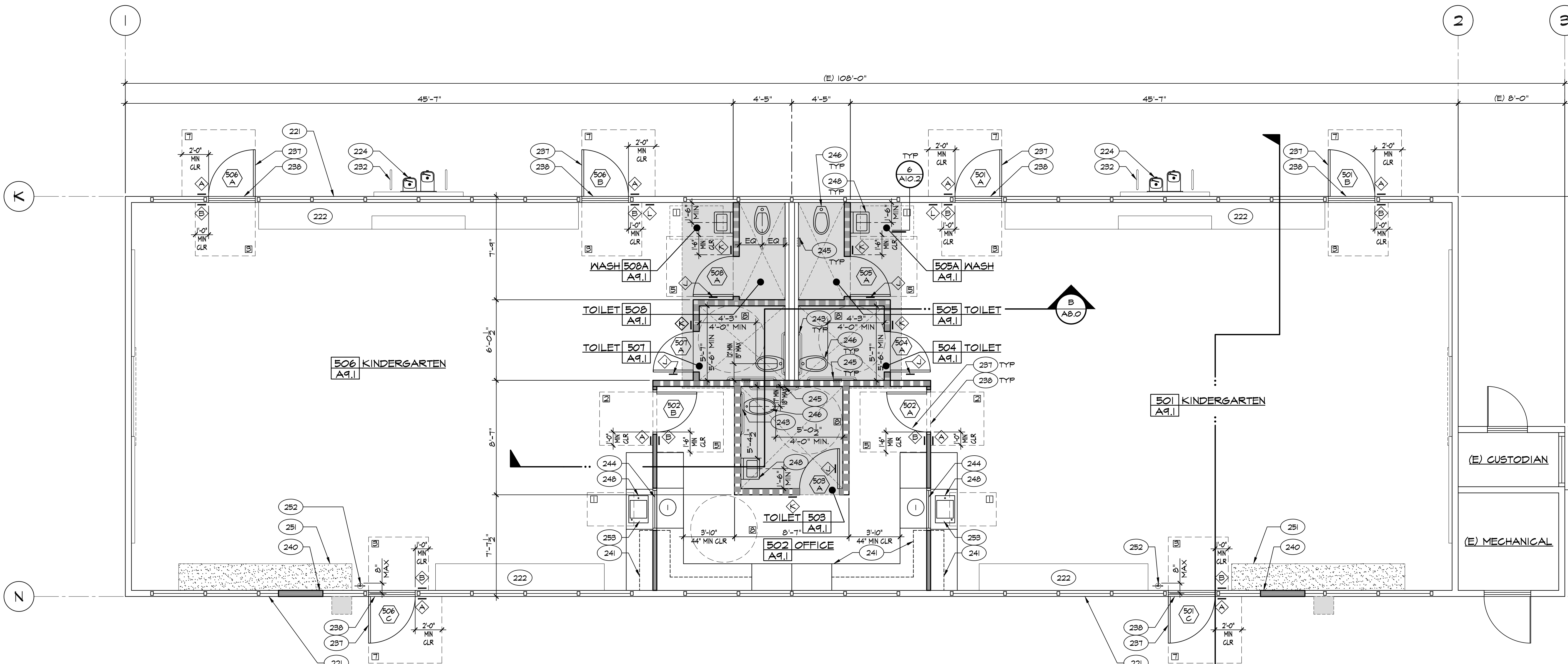
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- ===== 2x6 MOOD STUDS @ 16" OC O/ 6" CONC CURB W/ INSUL PER SPEC, UNO - NON-BEARING MALL
- ===== 2x4 MOOD STUDS @ 16" OC UNO - NON-BEARING MALL
- DEMO (E) CONC SLAB AS REQ'D
- CONC SLAB IN-FILL
- DEPRESS CONC SLAB
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING
- SIGNAGE



B DEMO FLOOR PLAN BUILDING 'E'



A FLOOR PLAN BUILDING 'E'

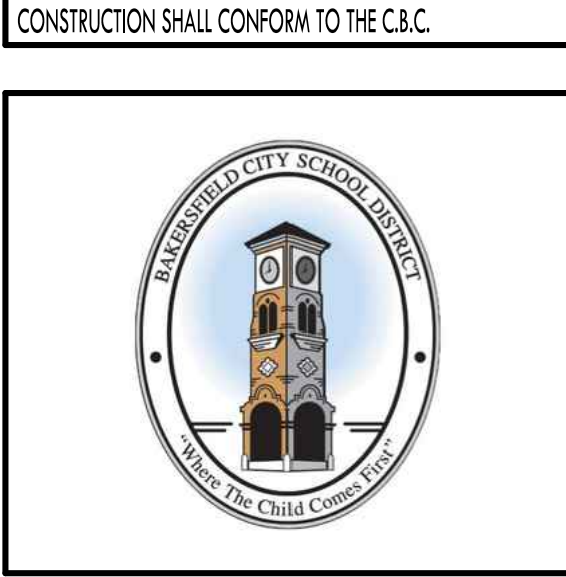
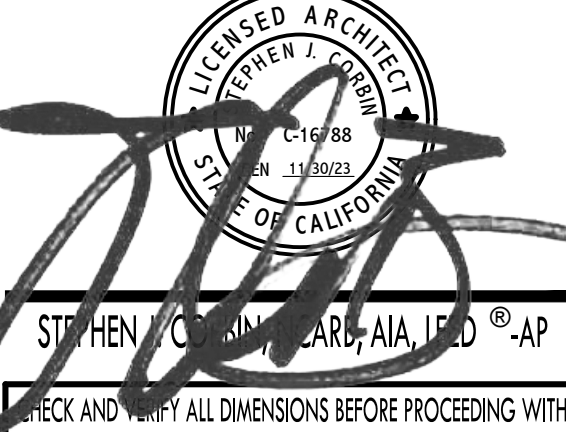
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FLOOR PLAN BUILDING 'E' & DEMO FLOOR PLAN BUILDING 'E'

MARK	DATE	REVISIONS
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JOB NO. 1317
DRAWN: ED, FS
CHECKED: BCW
DATE: 6/29/23
2.4
9 OF 67 SHEETS

SUSPENDED CEILING NOTES (ACOUSTICAL)

- 1. CEILING SYSTEM GENERAL NOTES
1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM E850.
1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
1.03 CEILING SYSTEMS, THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:
MANUFACTURER: (ARMSTRONG SUSPENDED CEILING SYSTEM OR APPROVED EQUAL)
PRODUCT NAME: PRELUDE XL 15/16"
CLASSIFICATION OF CEILING GRID IS HEAVY-DUTY
ICC # ESR-1308
EVALUATION REPORT TYPE AND NUMBER: MAIN RUNNER PART, MODEL, OR CATALOG NUMBER: #1301
CROSS RUNNER PART, MODEL, CATALOG NUMBER: #XL 1341
2 FOOT CROSS-T #XL 1341
1.04 SEISMIC WALL CLIP: MANUFACTURER'S MODEL: SEISMIC JOINT CLIP FOR RUNNER SPLICE SURFIS # USE EXPANSION SLEEVE E244
1.05 CEILING PANELS SHALL NOT SUPPORT ANY LUMINAIRES, AIR TERMINALS OR DEVICES.
1.06 FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 1/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 1/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL.
2. MATERIALS
2.01 CEILING WIRE SHALL BE CLASS I ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAUGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM ULTIMATE TENSILE STRENGTH = 70 KSI.
2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A663, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A5.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI 5100). MATERIAL, 45 MIL (2 GAUGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL, 54 MIL (6 GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 191 CARBON STEEL WITH 640 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.
3. ATTACHMENT OF HANGER AND BRACING WIRES
3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE (E.G., BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, SCREEN EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)
4. FASTENERS AND WELDING
4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1519 AND ASME B18.6.3. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.02 EXPANSION ANCHORS SHALL BE: (RDP TO INDICATE MANUFACTURER, PRODUCT, EVALUATION REPORT NUMBER AND TEST LOAD FOR EACH SIZE SPECIFIED PER CBC (1910A.5.4).
4.03 POWER-ACTUATED FASTENERS SHALL BE: (RDP TO INDICATE MANUFACTURER, PRODUCT, EVALUATION REPORT NUMBER.)
4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.
4.05 POWER-ACTUATED FASTENERS IN CONCRETE OR MASONRY ARE NOT PERMITTED FOR BRACING WIRES.
4.06 CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST-INSTALLED ANCHORS.
4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.
5. TESTINGS
5.01 ALL FIELD TESTINGS MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.
5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER-ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 POUNDS IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION (1910A.5.
5.03 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION (1910A.5.
6. LUMINAIRES
6.01 ALL LUMINAIRES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE LUMINAIRE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LUMINAIRE, PER ASTM E850 SECTION 5.3.1.
6.02 SURFACE-MOUNTED LUMINAIRES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN A LUMINAIRE IS 8 FEET OR LONGER OR EXCEEDS 56 POUNDS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
6.03 LUMINAIRES WEIGHING LESS THAN OR EQUAL TO 10 POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, SHALL HAVE A MINIMUM OF ONE #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.04 LUMINAIRES WEIGHING GREATER THAN 10 POUNDS BUT LESS THAN OR EQUAL TO 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LUMINAIRES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.
6.05 ALL LUMINAIRES WEIGHING GREATER THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR TAUT #12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.
7. SERVICES WITHIN THE CEILING
7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.02 CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 POUNDS SHALL HAVE ONE #12 GAUGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 POUNDS BUT LESS THAN OR EQUAL TO 56 POUNDS SHALL HAVE TWO #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 POUNDS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.
8. OTHER DEVICES WITHIN THE CEILING
8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 POUNDS SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

REFLECTED CEILING PLAN NOTES:

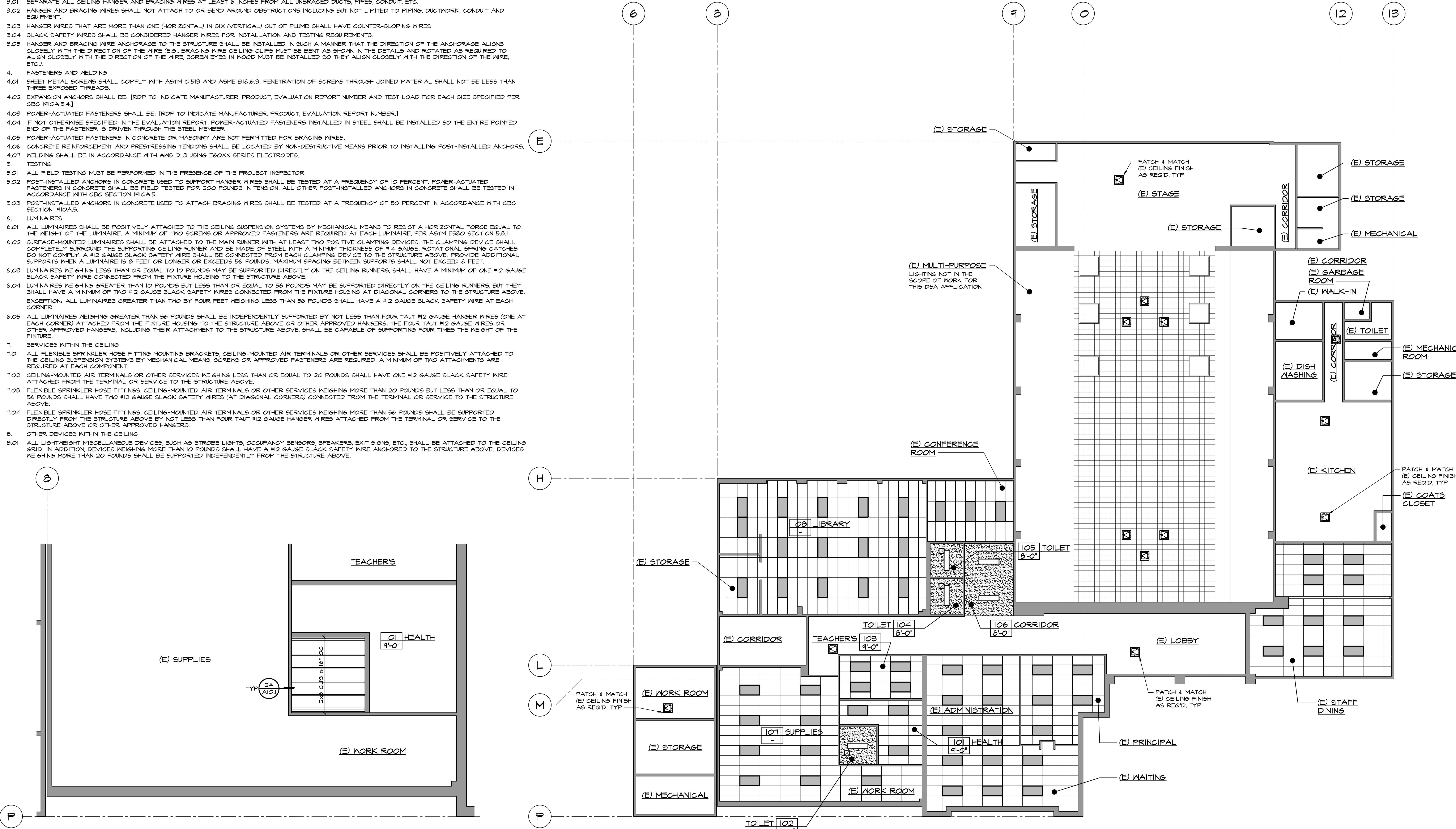
- 1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. INSULATION PER SPEC BETWEEN (E) FRAMING MEMBERS AT ROOF DECK.

Table: OCCUPANTS / # OF EXITS REQ'D. Columns: BLDG #, ROOM #, DESCRIPTION, FLOOR AREA SF PER RM, SF / OCC LOAD PER CBC 2019, TABLE 1004.5, OCC FACTOR, MAXIMUM OCC PER RM, MINIMUM REQUIRED EXIT PER CBC 2019 1006.21, OCC S. 48 (1) EXIT REQ'D, # OF EXITS PROVIDED. Rows: 107 SUPPLIES, 108 LIBRARY.

NOTE: PER CBC SECTION 1003.1, EXCEPTION 1, EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS.

REFLECTED CEILING PLAN LEGEND

Legend symbols and descriptions: DASHED LINE INDICATES CEILING GRID IS NOT ATTACHED TO WALL, FREE END, REFER TO REFLECTED CEILING PLAN FOR LOCATIONS. TYPICAL 12 GA. HANGER WIRES AT ALL CORNERS OF LIGHT FIXTURES AND AIR TERMINALS. SEE DETAIL ON ELEC. DWGS. MAIN RUNNERS AT 4'-0" O.C. TYPICAL. CROSS RUNNERS AT 2'-0" O.C. TYPICAL. ATTACH CEILING GRID TO TWO ADJACENT WALLS WHERE NO DASHED LINES ARE SHOWN ON REFLECTED CEILING PLAN, FIXED END. TYPICAL 12 GA. HANGERS 8" FROM WALLS 4'-0" O.C. THEREAFTER ATTACHED TO STRUCTURE. SPLAY WIRES AND COMPRESSION STRUTS PER DETAIL. SEE DETAIL FOR LOCATIONS. 24" X 48" SUSPENDED ACOUSTICAL CEILING SYSTEM SEE DETAILS. Symbols for ceiling registers, access panels, and acoustic ceiling.



PARTIAL CEILING JOIST PLAN SCALE: 1/4" = 1'-0"

REFLECTED CEILING PLAN BUILDING 'A' SCALE: 1/8" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-122920 INC. REVIEWED FOR SS FL S ACS DATE: 07/05/2023 PIN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION 2324 VERDE STREET FOR BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT S INC. 1601 NEW STINE ROAD, SUITE 280 BAKERSFIELD, CA 93309 PH: (661) 397-4377 FAX: (661) 397-4378 WWW.SCARCHITECT.COM

Professional seal for Stephen C. Carbo, AIA, LEED AP, State of California, License No. 27858.

REFLECTED CEILING PLAN BUILDING 'A' & PARTIAL CEILING JOIST PLAN. Includes a revision table with columns for MARK, DATE, and REVISIONS. Job No. 1317, Drawn: ED, FS, Checked: BCW, Date: 5/31/23. Scale: 1/8" = 1'-0". 4.0 OF 67 SHEETS.

REFLECTED CEILING PLAN NOTES:

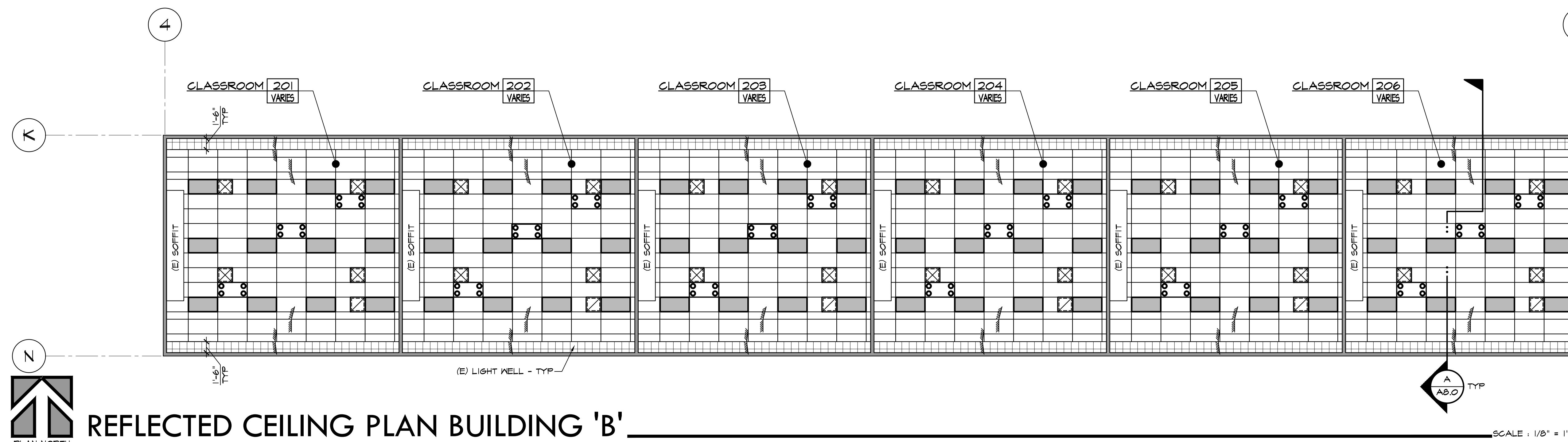
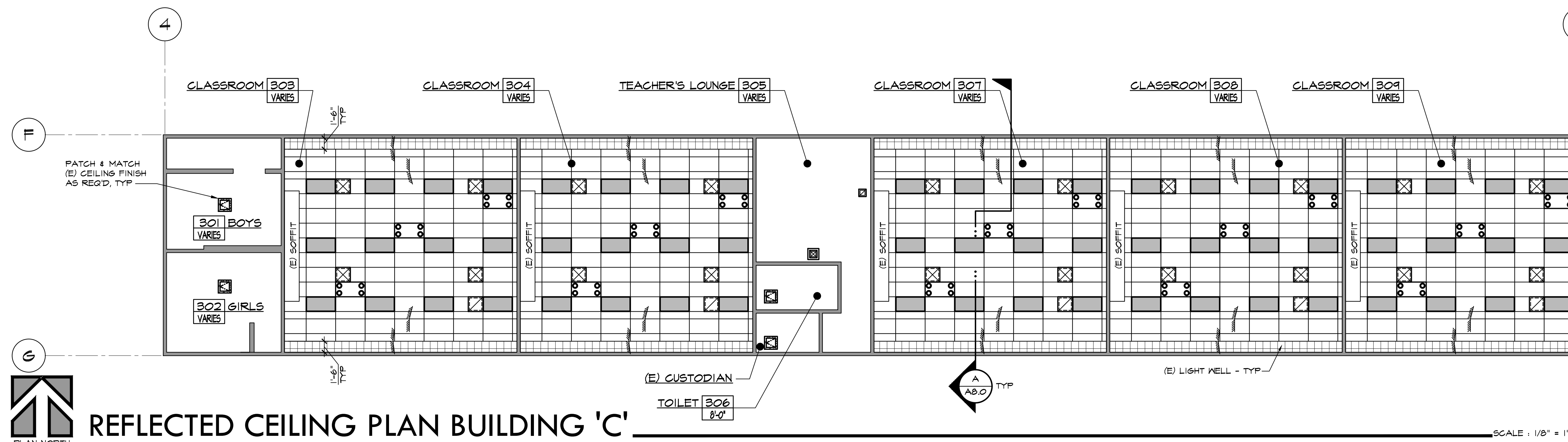
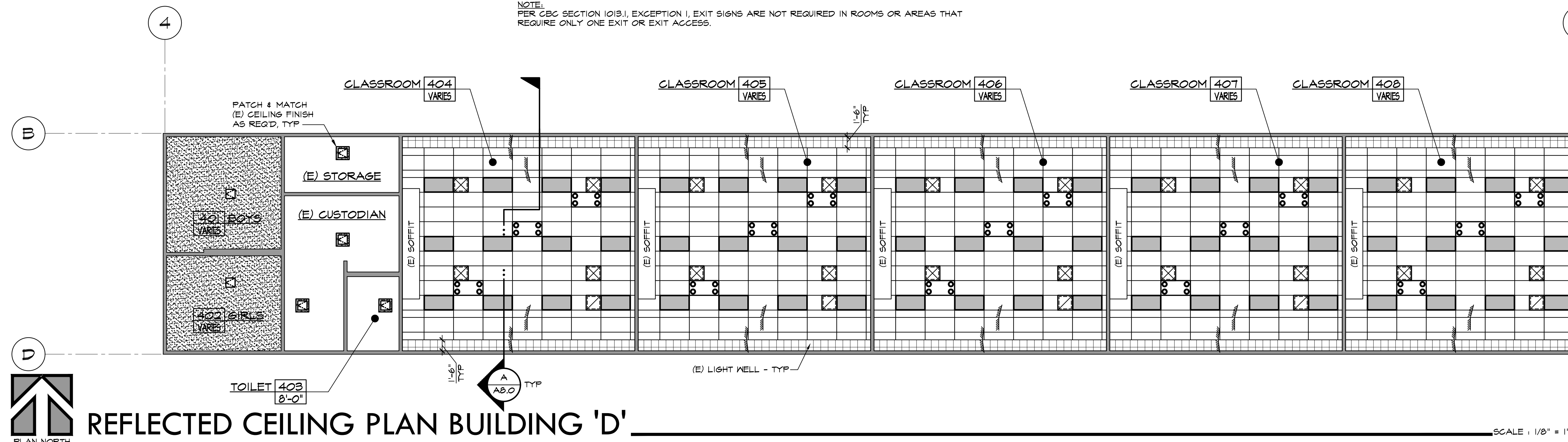
- SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
- SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
- INSULATION PER SPEC BETWEEN (E) FRAMING MEMBERS AT ROOF DECK.

BLDG #	ROOM #	DESCRIPTION	FLOOR AREA SF PER RM	SF / OCC LOAD PER CBC 2019, TABLE 1004.5		MINIMUM REQUIRED EXIT PER CBC 2019 1006.2.1	
				OCC FACTOR	MAXIMUM OCC PER RM	OCC & 44	# OF EXITS REQ'D
E	201 & 206	CLASSROOM	960	20 NET	48	1	1
	303, 304, 307 THRU 309	CLASSROOM	960	20 NET	48	1	1
D	404 THRU 408	CLASSROOM	960	20 NET	48	1	1

NOTE: PER CBC SECTION 1015.1, EXCEPTION 1, EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS.

REFLECTED CEILING LEGEND

- DASHED LINE INDICATES CEILING GRID IS NOT ATTACHED TO WALL. FREE END, REFER TO REFLECTED CEILING PLAN FOR LOCATIONS.
- TYPICAL 1/2" ACoustical CEILING TILE PER SPEC
- 1/2" TYPE 'X' 6YP BD WITH 1/2" VENEER PLASTER
- REINSTALLED (E) RECESSED AIR FILTER SEE ELECTRICAL PLANS
- 2'-0" x 4'-0" RECESSED LIGHT FIXTURE SEE ELECTRICAL PLANS
- CEILING REGISTERS SEE MECHANICAL PLANS
- ACCESS PANEL COORDINATE LOCATION WITH HEAT DETECTOR AS SHOWN ON ELECTRICAL
- 16 (A10.2), 22 (A10.2), 23 (A10.2), 24 (A10.2), 27 (A10.2), 28 (A10.2)
- 24" x 48" SUSPENDED ACoustical CEILING SYSTEM SEE DETAILS
- ATTACH CEILING GRID TO TWO ADJACENT WALLS WHERE NO DASHED LINES ARE SHOWN ON REFLECTED CEILING PLAN. FIXED END.
- TYPICAL 12 GA. HANGERS 8" FROM WALLS 4'-0" OR THEREAFTER ATTACHED TO STRUCTURE.
- SPLAY WIRES AND COMPRESSION STRUTS PER DETAIL. SEE DETAIL FOR LOCATIONS.
- MAIN RUNNERS AT 4'-0" OC TYPICAL. CROSS RUNNERS AT 2'-0" OC TYPICAL.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT
S
INC.

1601 NEW STINE ROAD, SUITE 280
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STEPHEN J. CARROLL, AIA, LEED®-AP
ARCHITECT



REFLECTED
CEILING PLANS
BUILDINGS 'B',
'C' & 'D'

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.
1317
DRAWN:
ED, FS
CHECKED:
BCW
DATE:
5/31/23

4.1
11 OF 67 SHEETS

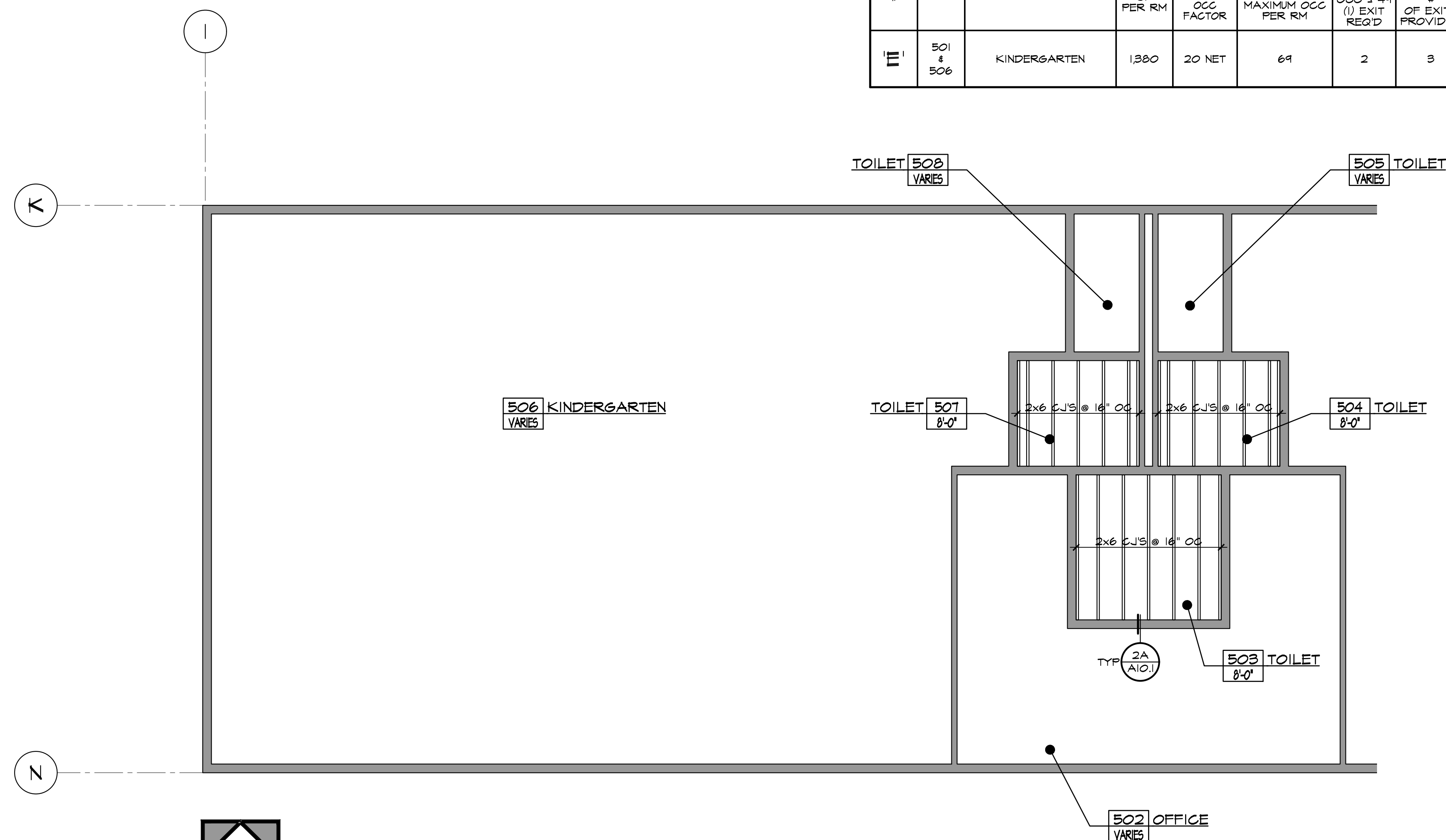
REFLECTED CEILING PLAN NOTES:

1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. INSULATION PER SPEC BETWEEN (E) FRAMING MEMBERS AT ROOF DECK.

OCCUPANTS / # OF EXITS REQ'D						
BLDG #	ROOM #	DESCRIPTION	FLOOR AREA SF PER RM	SF / OCC LOAD PER CBC 2019, TABLE 1004.5		MINIMUM REQUIRED EXIT PER CBC 2019 (1006.2) (1) EXIT REQ'D
				OCC FACTOR	MAXIMUM OCC PER RM	
E	501 & 506	KINDERGARTEN	1,360	20 NET	64	2

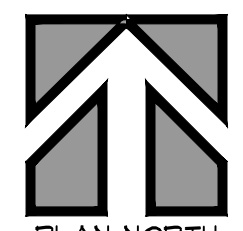
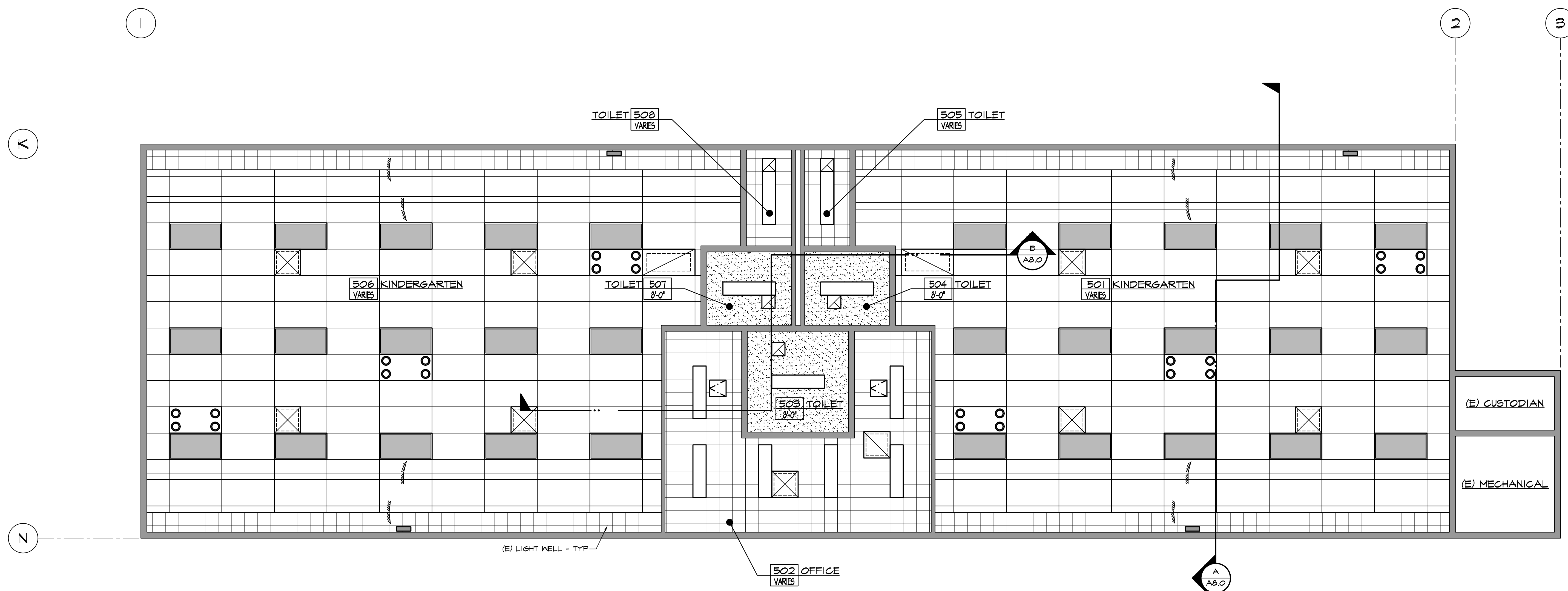
REFLECTED CEILING LEGEND

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 - TYPICAL 12 GA. HANGER WIRES AT ALL CORNERS OF LIGHT FIXTURES AND AIR TERMINALS. SEE DETAIL ON ELEC. DWGS.
 - MAIN RUNNERS AT 4'-0" O.C. TYPICAL.
 - CROSS RUNNERS AT 2'-0" O.C. TYPICAL.
 - ATTACH CEILING GRID TO TWO ADJACENT WALLS WHERE NO DASHED LINES ARE SHOWN ON REFLECTED CEILING PLAN, FIXED END.
 - TYPICAL 12 GA. HANGERS 8" FROM WALLS 4'-0" O.C. THEREAFTER ATTACHED TO STRUCTURE.
 - SPLAY WIRES AND COMPRESSION STRUTS PER DETAIL. SEE DETAIL FOR LOCATIONS.
 - 24" X 48" SUSPENDED ACOUSTICAL CEILING SYSTEM SEE DETAILS
- REINSTALLED (E) RECESSED AIR FILTER SEE ELECTRICAL PLANS
 - 2'-0" X 4'-0" RECESSED LIGHT FIXTURE SEE ELECTRICAL PLANS
 - 1'-0" X 4'-0" SURFACE MTD. LIGHT FIXTURE SEE ELECTRICAL PLANS
 - 1/2" ACOUSTICAL CEILING TILE PER SPEC
 - 5/8" TYPE 'X' GYP BD WITH 1/2" VENEER PLASTER
 - CEILING REGISTERS SEE MECHANICAL PLANS
 - ILLUMINATED EXIT SIGN SEE ELECTRICAL PLANS
 - ACCESS PANEL COORDINATE LOCATION WITH HEAT DETECTOR AS SHOWN ON ELECTRICAL



PARTIAL CEILING JOIST PLAN

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



REFLECTED CEILING PLAN BUILDING 'E'

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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**ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION**
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



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STEPHEN J. CARROLL, AIA, LEED®-AP
ARCHITECT
REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. 33828



**REFLECTED
CEILING PLAN
BUILDING 'E' &
PARTIAL CEILING
JOIST PLAN**

MARK	DATE	REVISIONS
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JOB NO.
1317
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5/31/23

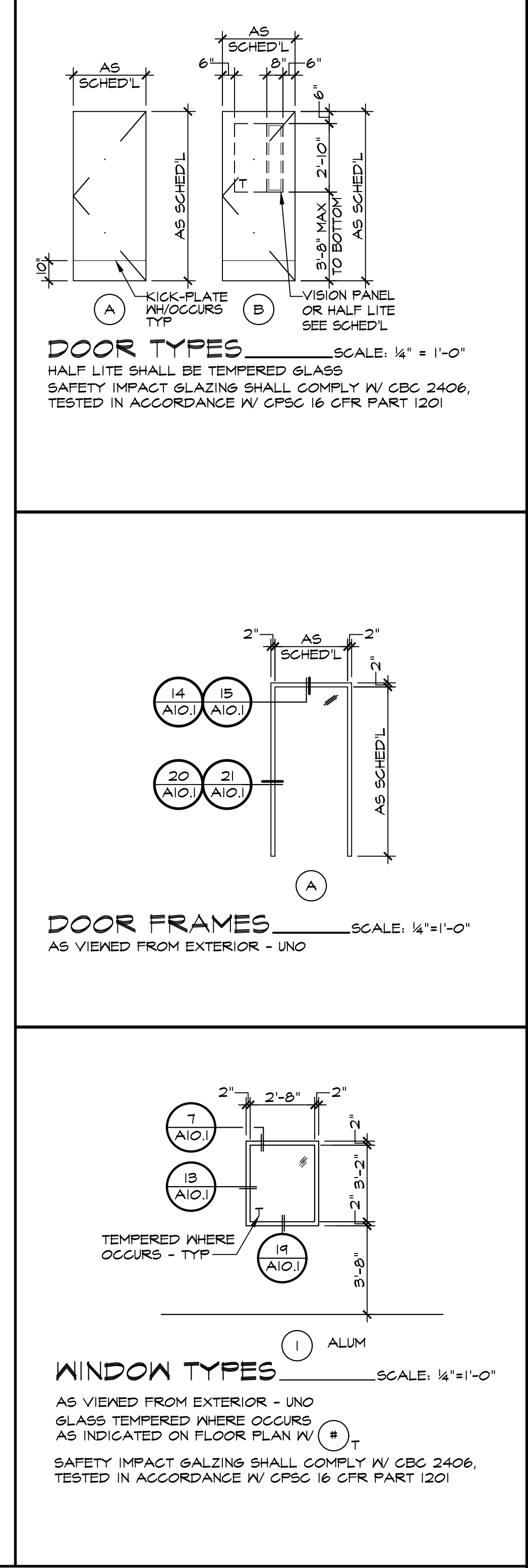
4.2
12 OF 67 SHEETS

DOOR SCHEDULE

Table with columns: BLDG #, DOOR #, TYPE, SIZE (EACH LEAF), MATL, LOUVER SIZE, FRAME TYPE, MATL, RATING, PANIC HWK, HMDR SET #, L/JAMB, HEAD, R/JAMB, THRESHOLD/RS, REMARKS, SIGN TYPE, DOOR #, BLDG #. Rows include doors 101A through 508A across buildings A, B, C, D, E.

TYPICAL DOOR NOTES

- 1. FOR BUILDERS HARDWARE, REFER TO SPECIFICATION SECTION 08 11 00
2. EXIT DOOR REQUIREMENTS: ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE 2019 CBC TITLE 24 THE FOLLOWING ARE SOME OF THE REQUIREMENTS:
EXIT DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" (INCHES) ABOVE THE FLOOR.
DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE
3. ALL EXTERIOR FACED DOOR GLAZING SHALL BE SINGLE GLAZED, TINTING TO MATCH WINDOW GLAZING
4. ALL ALUM DOORS & DOOR FRAMES SHALL BE ANODIZED ALUMINUM, PER SPEC
5. ALL HOLLOW METAL DOOR & DOOR FRAMES SHALL BE PAINTED W/ SEMI-GLOSS ENAMEL, PER SPEC
6. ALL WOOD DOORS SHALL RECEIVE STAIN W/ SEMI-TRANSPARENT FINISH, PER SPEC UNO
7. ALL INTERIOR DOOR FRAMES SHALL BE 2" WIDE UNO
8. ADJUST DOOR CLOSING DEVICES TO 5 LBS EXTERIOR & 5 LBS INTERIOR
9. PAINT LOUVER(S), SIZE AND LOCATION AS INDICATED, W/ SEMI-GLOSS ENAMEL FINISH, PER SPEC
10. ACCESSIBLE TOILET ROOM SIGNAGE, SEE TYPES THIS SHEET
11. ALL INTERIOR GLAZING SHALL BE 1/4" CLEAR WIRE GLAZING UNO (SQUARE PATTERN) & FIRE RATED ASSEMBLIES FOR NON-RATED ASSEMBLIES USE 1/4" CLEAR TEMP GLAZING
12. PROVIDE VISION PANEL, SIZE AS INDICATED, FOR NON-RATED ASSEMBLIES USE 1/4" CLEAR TEMP GLAZING, FIRE RATED ASSEMBLIES SHALL BE FIRE RATED GLASS PER SPECIFICATIONS SEC 08 81 00
13. DOOR LEVER REQUIREMENTS (2) (AS.G)
14. GROUT ALL HM DOOR JAMB BOTTOMS - TYP (3) (AIO.J)
15. PROVIDE DOOR SIGNAGE PER SPEC AND SCHEDULE
16. REFER TO STRUCTURAL DRAWING FOR HEADER SIZES REQUIRED
17. MIN FLOOR SPACE REQUIREMENTS AT DOORS (1) (AS.G)
18. EACH UNIT OF TEMPERED GLAZING SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. THE IDENTIFICATION SHALL BE ETCHED OR CERAMIC FIRED ON THE GLAZING AND BE VISIBLE WHEN THE UNIT IS GLAZED. TEMPERED SPANDREL GLAZING IS EXEMPT FROM PERMANENT LABELING BUT SUCH GLAZING SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A REMOVABLE PAPER LABEL.
REDUCER STRIP SCHEDULE
NOTE: ALL NUMBERS ARE MERCER (4) (AS.G) RSL = 940 STRIP IN 910 TRACK



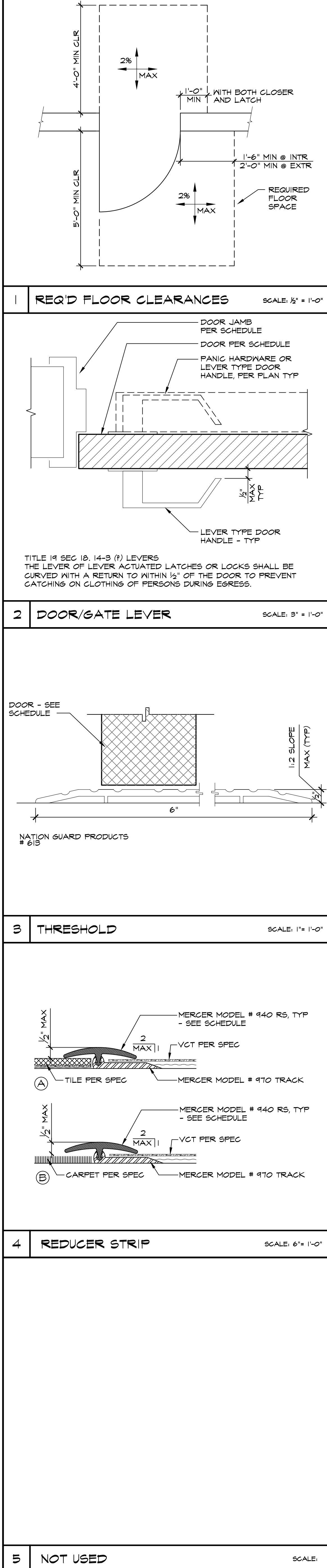
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-122920 INC. REVIEWED FOR SS FL S ACS DATE: 07/05/2023
Roosevelt Elementary School Modernization 2324 Verde Street Bakersfield, Kern County, California
ARCHITECT S INC. 1601 NEW STINE ROAD, SUITE 280 BAKERSFIELD, CA 93309 PH: (661) 397-4377 FAX: (661) 397-4378 WWW.SCARCHITECT.COM

ROOM FINISH SCHEDULE

Table with columns: BLDG #, ROOM #, DESCRIPTION, FLOOR, BASE, WALLS (North, East, South, West), CEILING, HEIGHT, REMARKS, ROOM #, BLDG #. Rows include rooms 101 through 508A across buildings A, B, C, D, E.

FINISH SCHEDULE NOTES

- 1. CERAMIC TILE SHALL BE INSTALLED IN ACCORDANCE W/ TILE COUNCIL OF AMERICA INSTALLATION PROCEDURES FOR COMMERCIAL CONSTRUCTION (CURRENT EDITION)
2. SEE INTERIOR ELEVATIONS FOR SOFFIT HEIGHTS
3. SEE REFLECTED CEILING PLAN FOR VOLUME CEILING
4. ALL GYP BOARD SHALL BE FIRE TAPED
5. ALL WOOD TRIMS & DOORS & WINDOWS SHALL BE PAINTED W/ SEMI-GLOSS ENAMEL
6. ALL INTERIOR FINISHES SHALL CONFORM W/ CBC CHAPTER 8, CFC SECTION 1103.3.3, TITLE 14 CCR
7. ALL CERAMIC TILE GROUT SHALL RECEIVE SEALANT
8. PATCH BACK AND MATCH ALL (E) FINISHES DISTURBED BY ADDITION OF ANY CONSTRUCTION WORK. ANY NEW WALL FINISHES AT INFILLS SHALL BE FLUSH W/ EX ADJACENT WALLS. ALL VOIDS EXPOSING EXISTING FRAMING DUE TO THE REMOVAL OF FINISHES, WALLS, CEILING OR BLOCKING INSTALLATION SHALL BE PATCHED, FILLED AND FINISHED TO MATCH EXISTING ADJACENT AS INDICATED ON ROOM FIN SCHEDULE
FINISH NOTES AND MATERIALS
FLOORS
1. SHEET VINYL
2. CARPET TILE
3. UNGLAZED CERAMIC MOSAIC TILE
FINISHES
A. EXISTING
B. FACTORY FINISH
C. PAINT - PER SPEC
D. SEALER WAX
BASE
1. 4" RUBBER TOPSET (23) (AIO.G)
2. 4" COVED GLAZED CERAMIC TILE (24) (AIO.G) (30) (AIO.G)
WALLS
1. 5/8" TYPE 'X' GYP BD WITH 1/2" VENEER PLASTER (AIO.J)
2. VINYL COVERED TACKABLE WALLBOARD (VCTMB) OVER (E) 1/2" PLYWOOD
3. GLAZED CERAMIC TILE PER SPEC'S (25) (AIO.G) (28) (AIO.G) (29) (AIO.G) (30) (AIO.G)
4. 1/2" GYP BD
5. PLYWOOD
CEILING
1. SUSPENDED 2'-0"x4'-0" T-BAR CEILING SYSTEM W/ LAY-IN ACOUSTIC PANELS
2. 12"x12"x5/8" ACOUSTIC CEILING PANELS
3. 5/8" TYPE 'X' GYP BD W/ 1/2" VENEER PLASTER



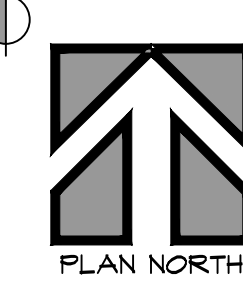
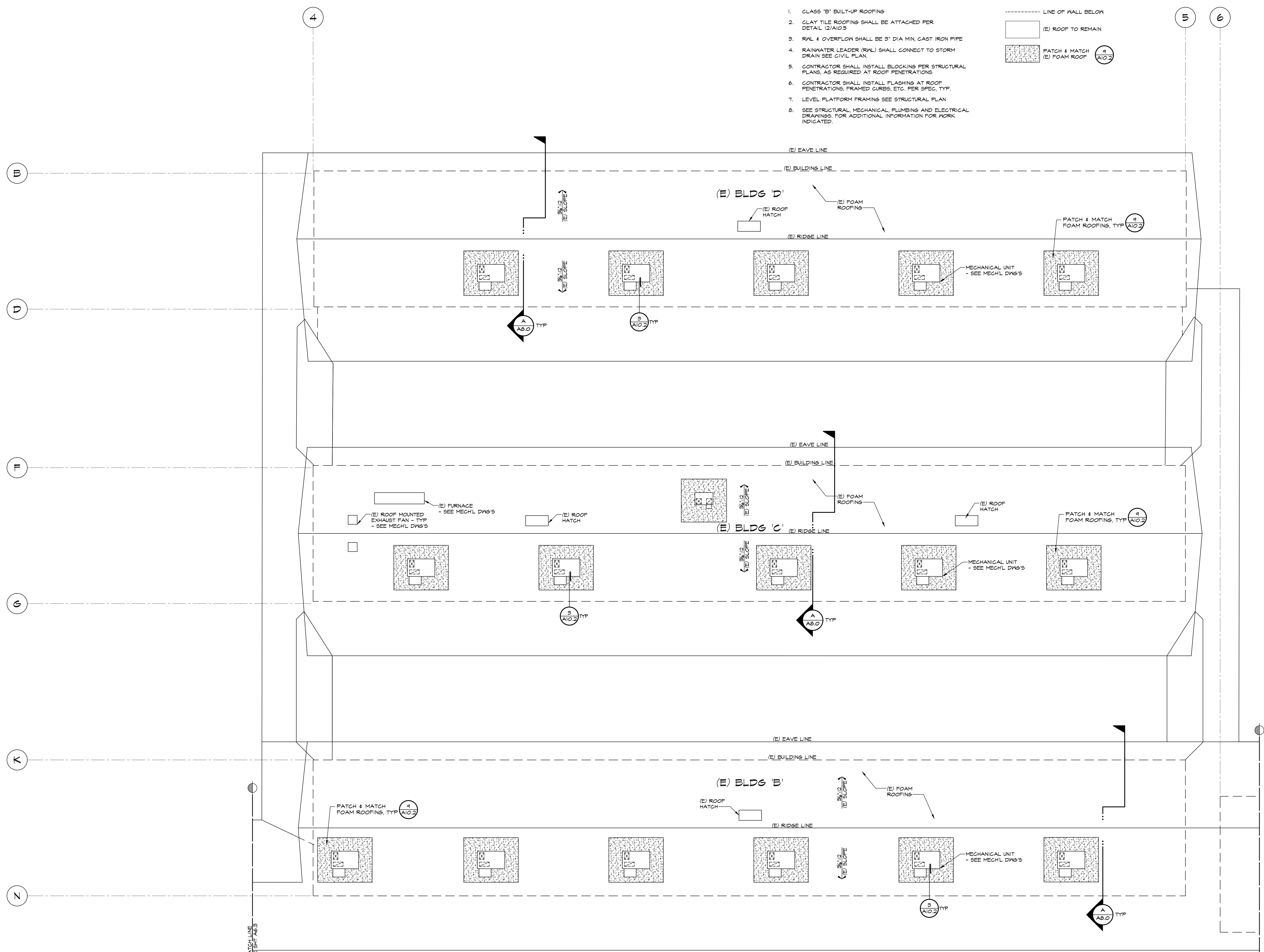
DOOR SCHEDULE, ROOM FINISH SCHEDULE & DETAILS
MARK DATE REVISIONS
JOB NO. 1317 DRAWN: ED, FS CHECKED: BCW DATE: 4/24/23
5.0 13 OF 67 SHEETS

ROOFING NOTES:

1. CLASS 'B' BUILT-UP ROOFING
2. CLAY TILE ROOFING SHALL BE ATTACHED PER DETAIL 12/A10.5
3. RVL & OVERFLOW SHALL BE 3" DIA MIN. CAST IRON PIPE
4. RAINWATER LEADER (RVL) SHALL CONNECT TO STORM DRAIN SEE CIVIL PLAN.
5. CONTRACTOR SHALL INSTALL BLOCKING PER STRUCTURAL PLANS, AS REQUIRED AT ROOF PENETRATIONS
6. CONTRACTOR SHALL INSTALL FLASHING AT ROOF PENETRATIONS, FRAMED CURBS, ETC. PER SPEC, TYP.
7. LEVEL PLATFORM FRAMING SEE STRUCTURAL PLAN
8. SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION FOR WORK INDICATED.

LEGEND:

- LINE OF WALL BELOW
- (E) ROOF TO REMAIN
- PATCH & MATCH FOAM ROOFING, TYP (A10.2)



PARTIAL ROOF PLAN BUILDING 'B', 'C' & 'D'

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

IDENTIFICATION STAMP
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APP: 03-122920 INC.
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PTN: 63321-389 FILE: 15-6

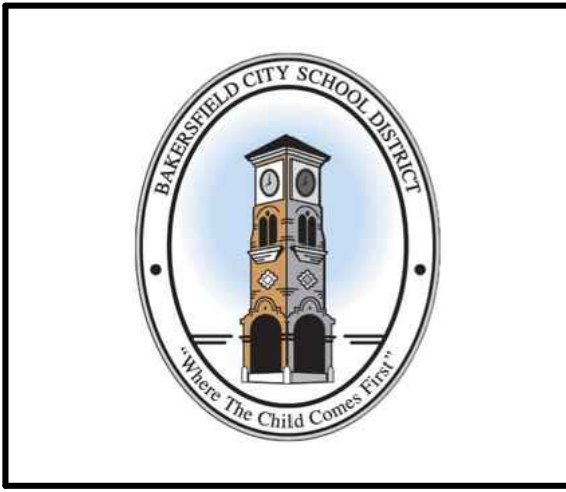
**ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION**
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
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STEPHEN J. CARLS, AIA, LEED AP
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



PARTIAL ROOF PLAN BUILDING 'B', 'C' & 'D'

MARK	DATE	REVISIONS
△		
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JOB NO.
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14 OF 67 SHEETS

ROOFING NOTES:

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LEGEND:

- LINE OF WALL BELOW
- [] (E) ROOF TO REMAIN
- [] PATCH & MATCH (E) FOAM ROOF

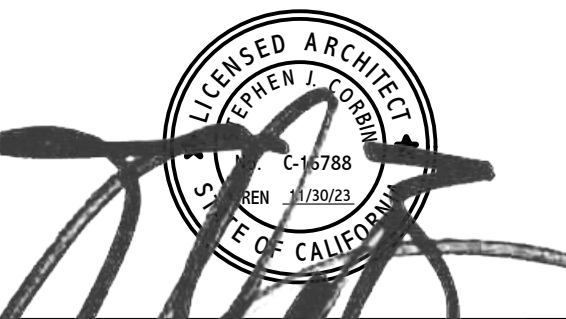
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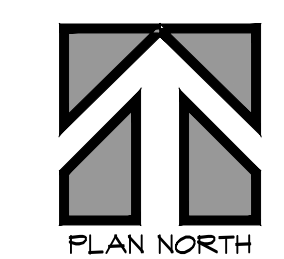
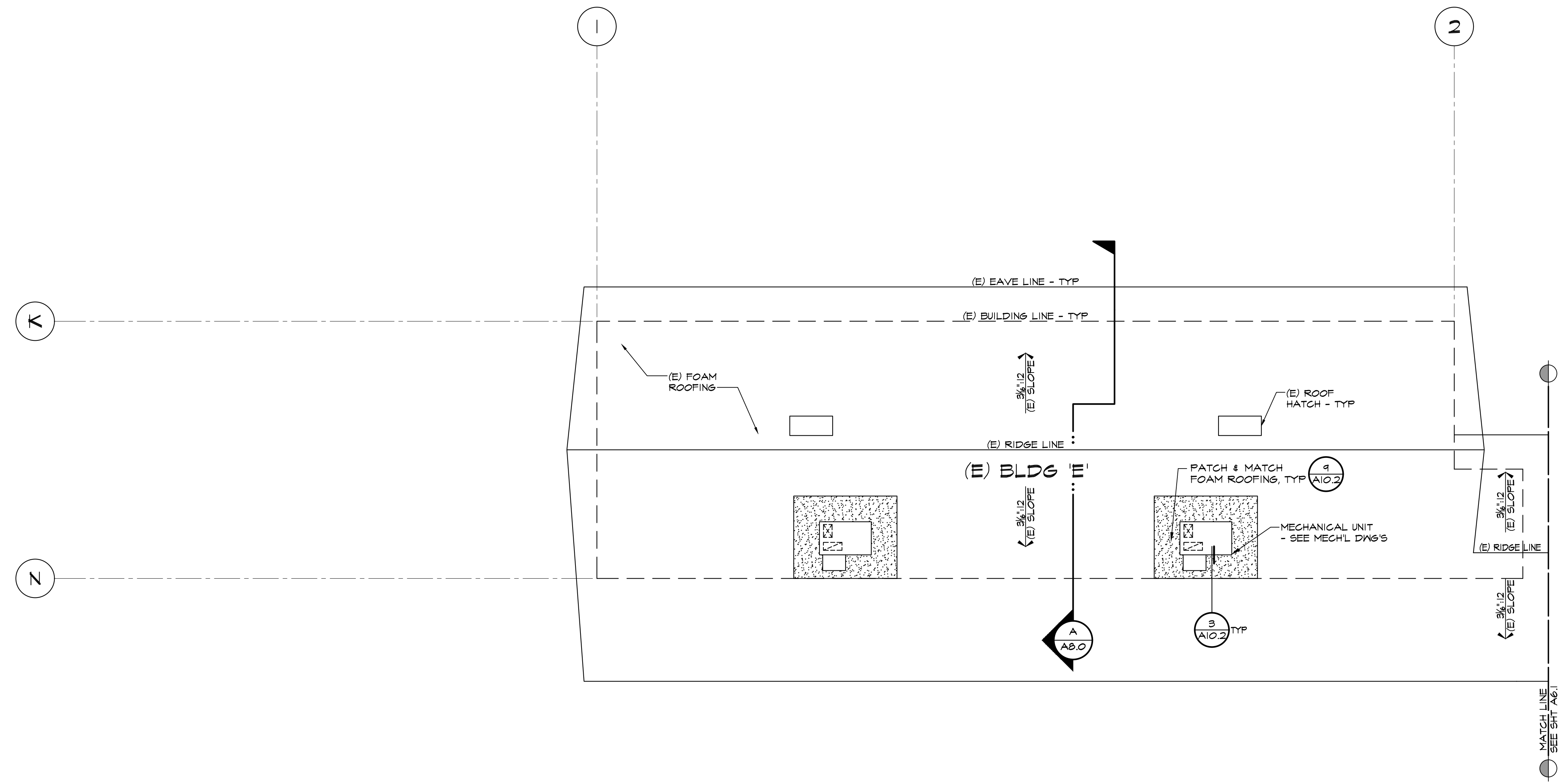
STEPHEN J. ...
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PARTIAL ROOF PLAN BUILDING 'E'

MARK	DATE	REVISIONS
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JOB NO. 1317
 DRAWN: ED, FS
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 DATE: 4/24/23
6.1
 15 OF 67 SHEETS



PARTIAL ROOF PLAN BUILDING 'E'

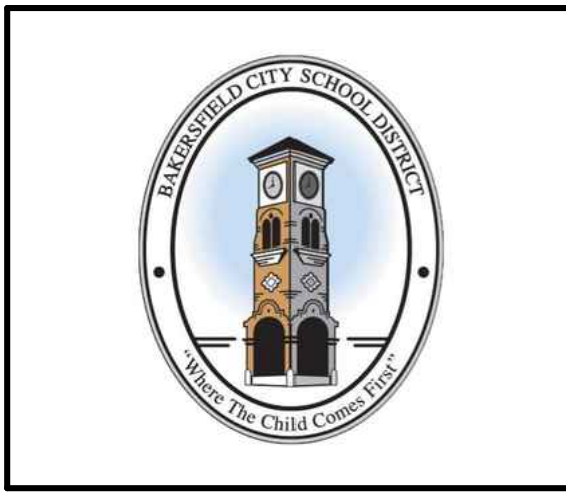
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ROOSEVELT ELEMENTARY SCHOOL
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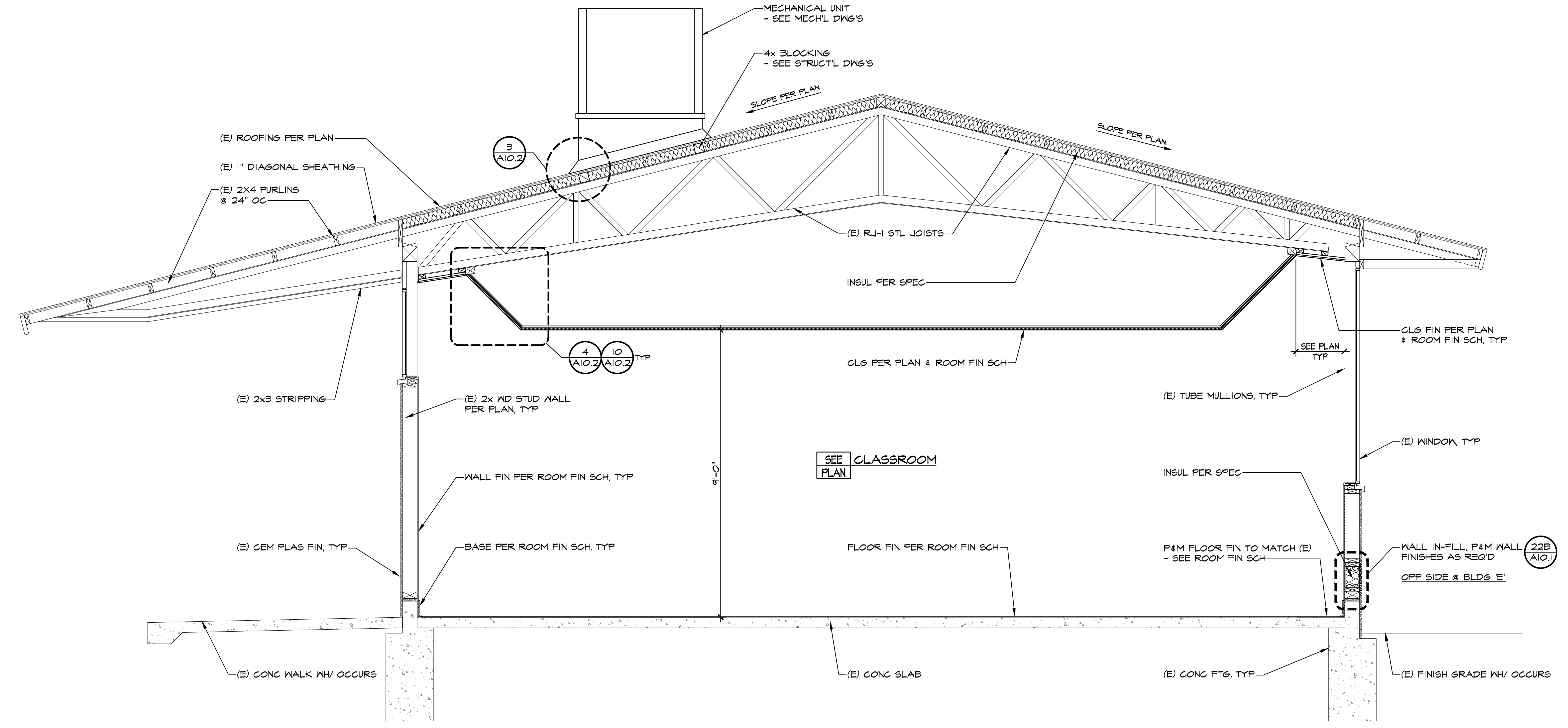
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 ARCHITECT
 LICENSED ARCHITECT
 STATE OF CALIFORNIA
 LICENSE NO. 13888



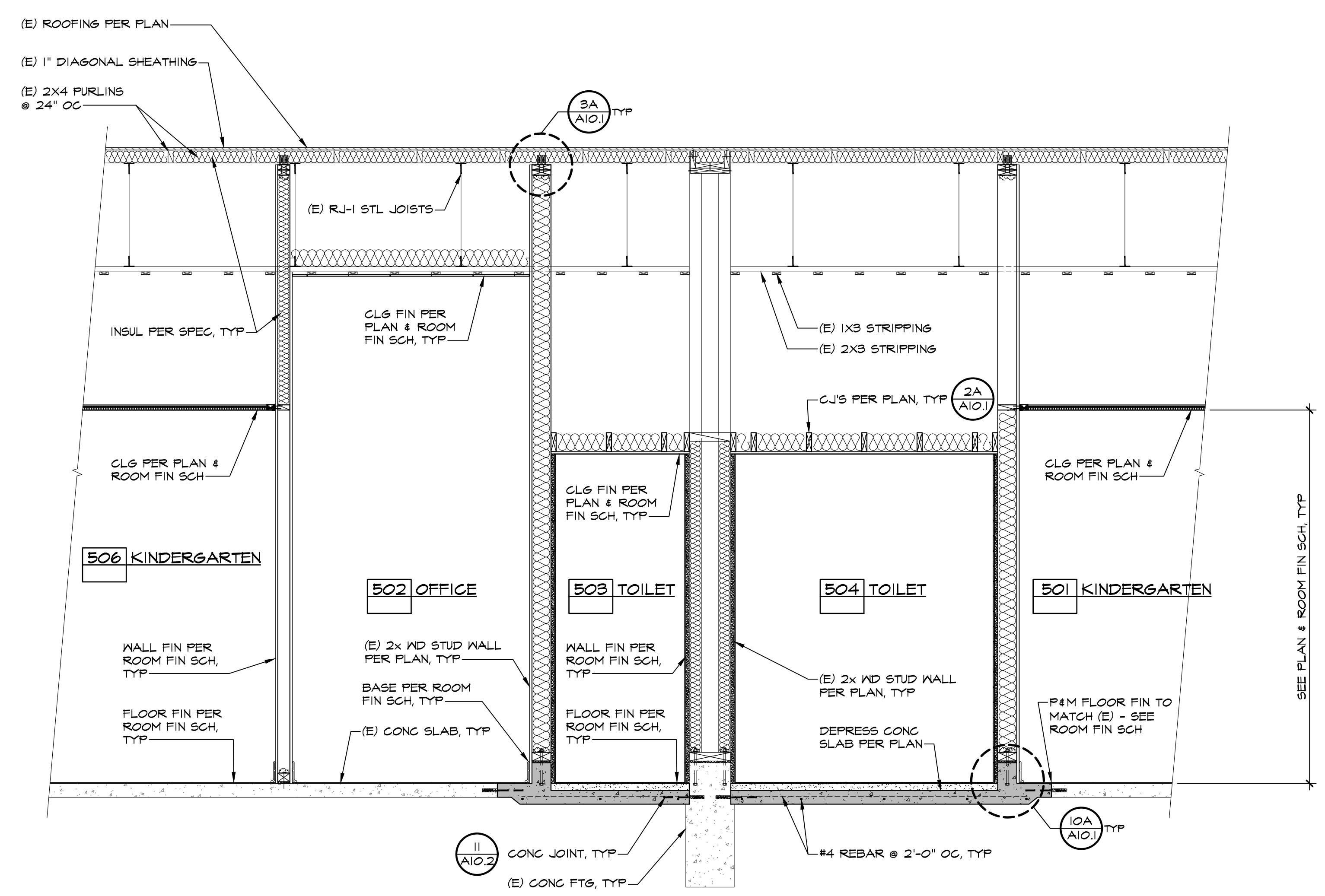
SECTION

MARK	DATE	REVISIONS
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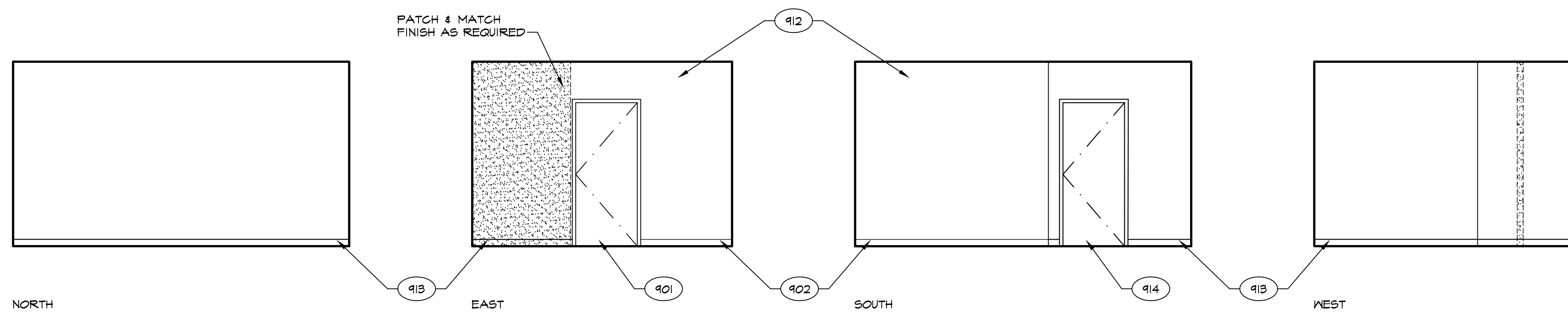
A SECTION

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

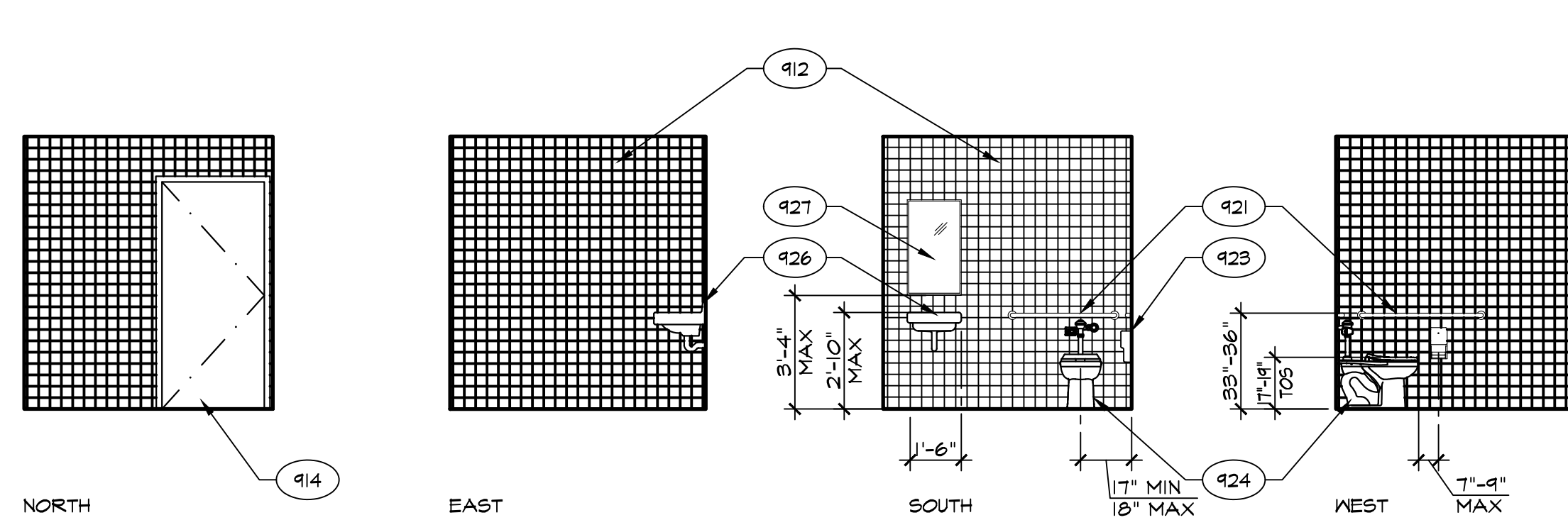


B PARTIAL SECTION

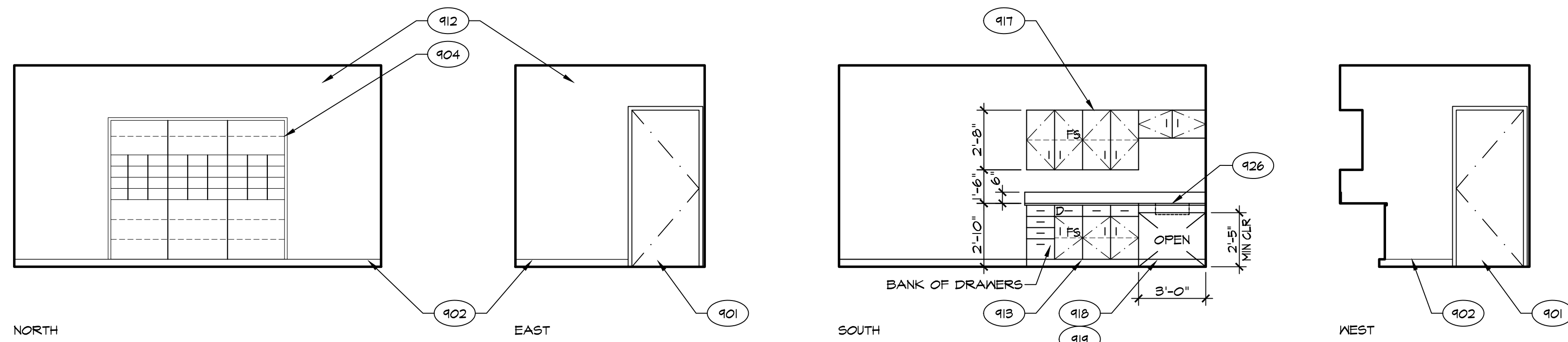
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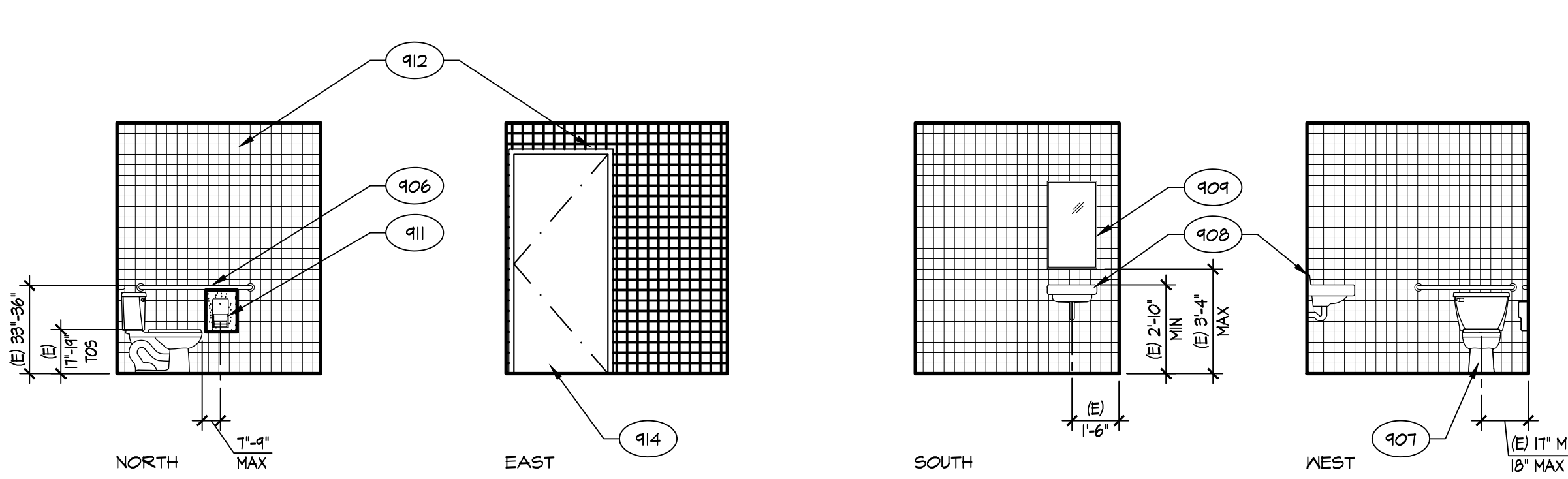
101 HEALTH
BLDG 'A'



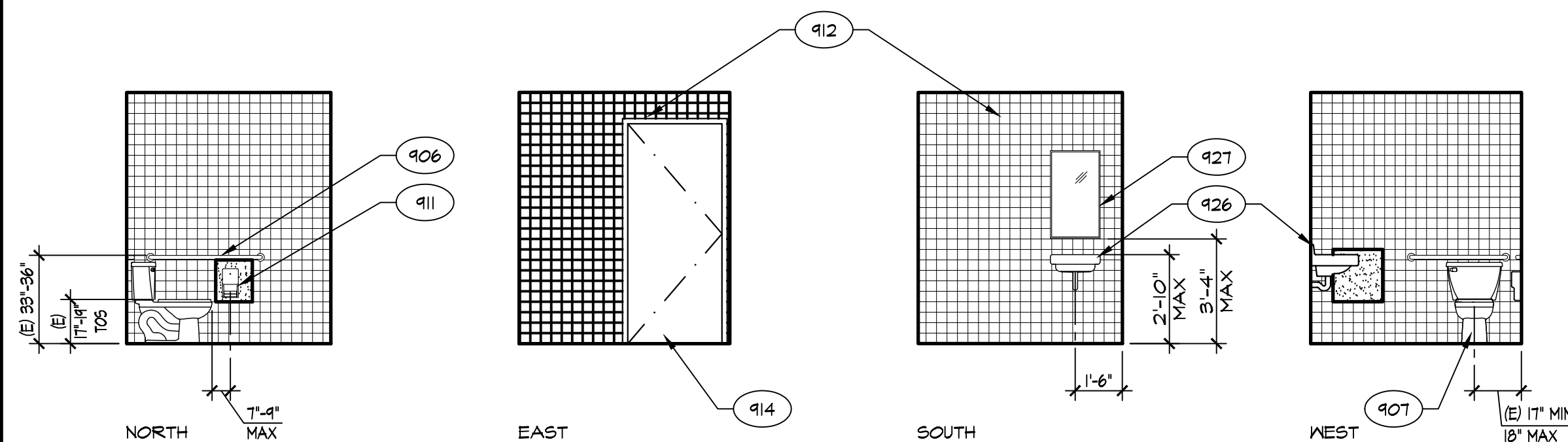
102 TOILET
BLDG 'A'



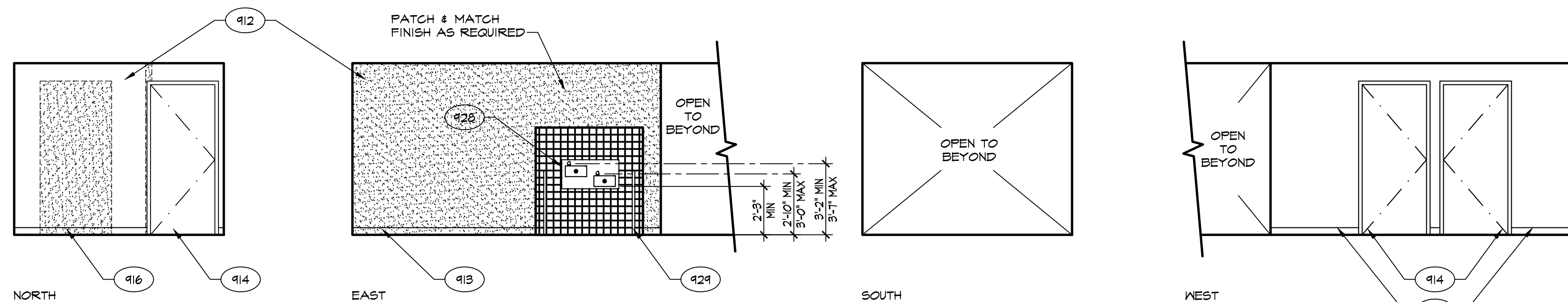
103 TEACHER'S
BLDG 'A'



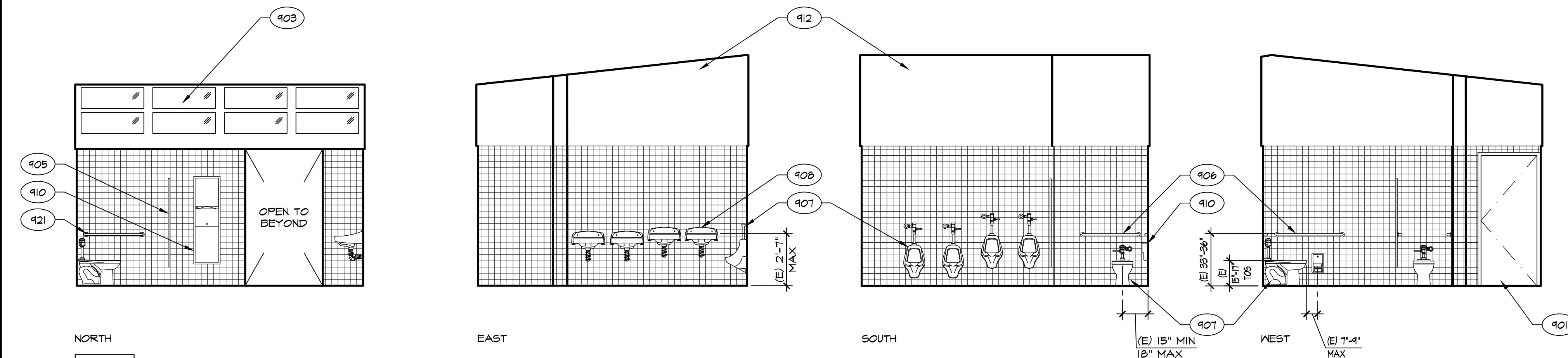
104 TOILET
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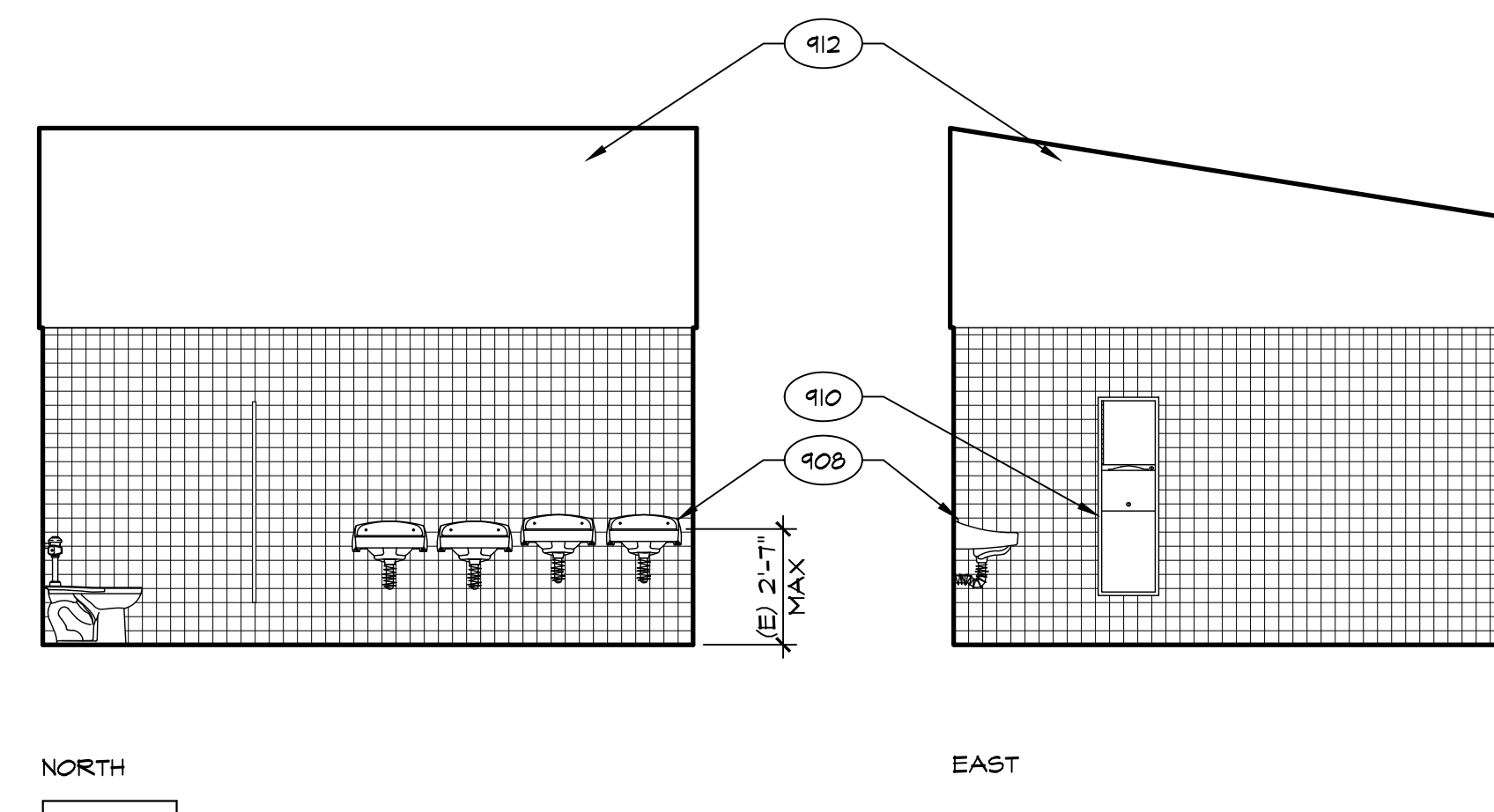
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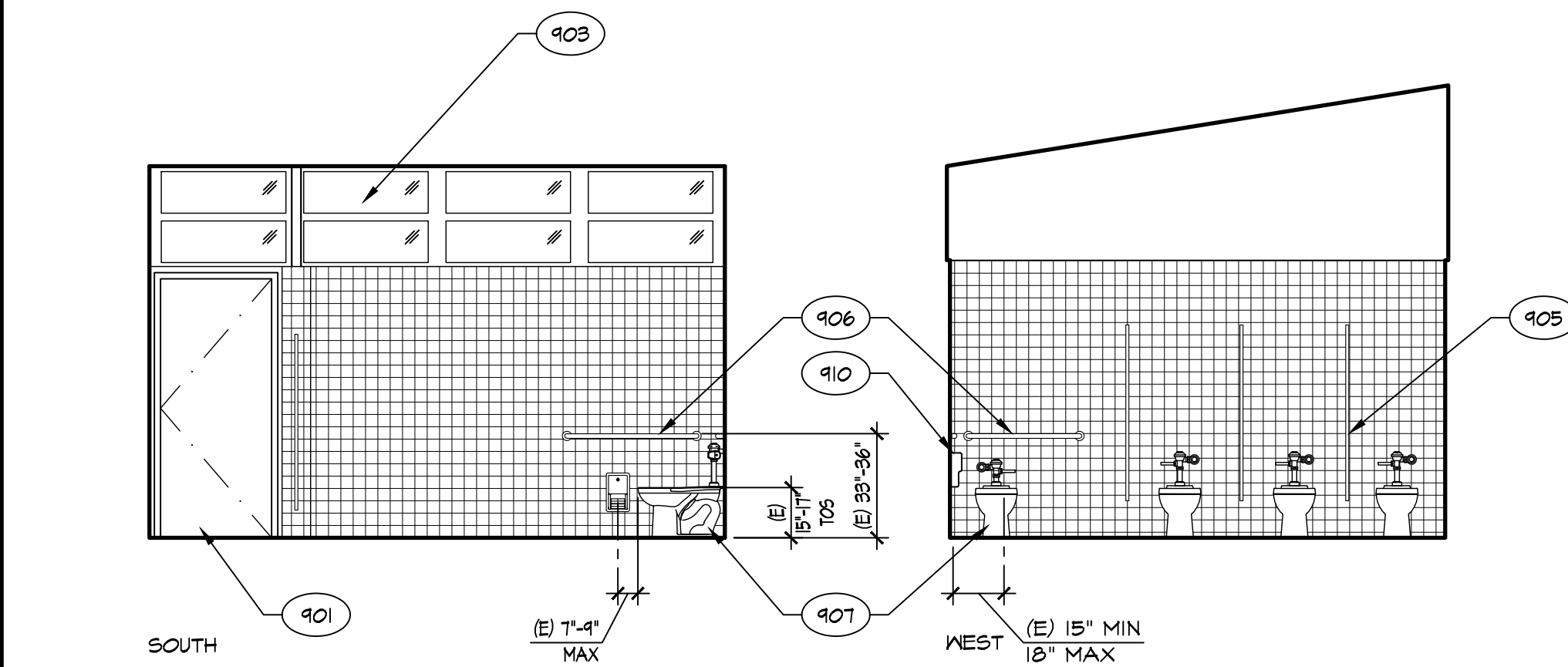
106 CORRIDOR
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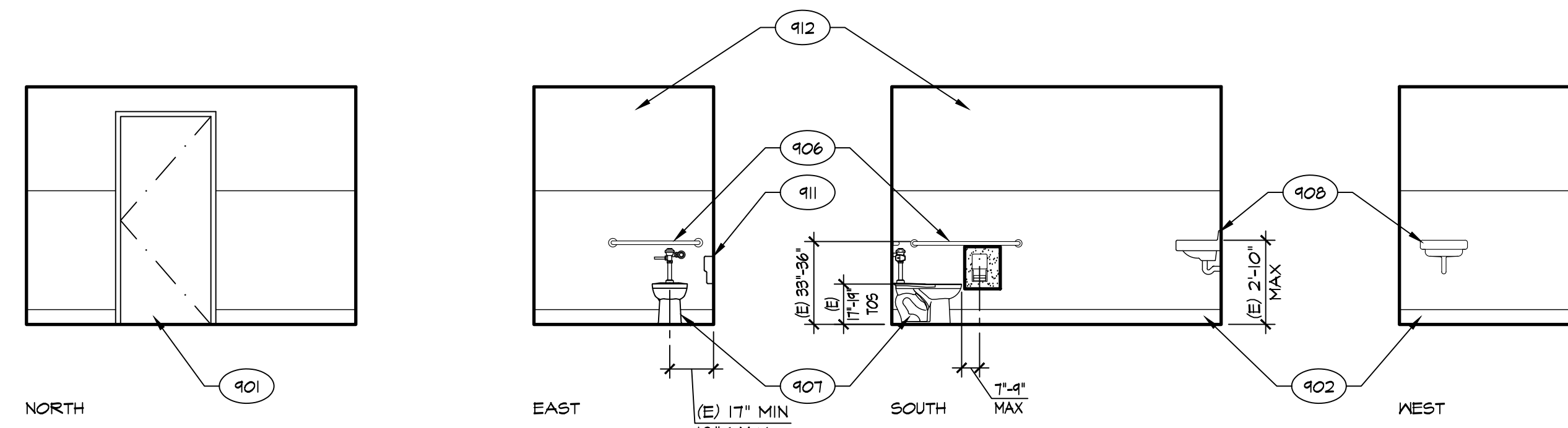
301 BOYS
BLDG 'C'



302 GIRLS
BLDG 'C'



302 GIRLS
CONTINUED



306 TOILET
BLDG 'C'

KEYNOTES	
901	(E) DOOR TO REMAIN
902	(E) BASE TO REMAIN
903	(E) WINDOW TO REMAIN
904	(E) CABINETS / SHELF TO REMAIN
905	(E) TOILET PARTITIONS TO REMAIN
906	(E) GRAB BAR TO REMAIN
907	(E) TOILET / URINAL TO REMAIN
908	(E) LAVATORY / SINK TO REMAIN
909	(E) MIRROR TO REMAIN
910	(E) RECESSED TOILET PAPER / PAPER TOWEL DISPENSER TO REMAIN
911	RELOCATED (E) TOILET PAPER DISPENSER
912	WALL FINISH - SEE ROOM FINISH SCHEDULE
913	BASE - SEE ROOM FINISH SCHEDULE
914	DOOR PER SCHEDULE
915	WINDOW PER SCHEDULE
916	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
917	FLAM BASE CABS AND / OR UPPER CABS & SOLID SURFACE COUNTERTOP AND SPLASH
918	KNEE SPACE REQUIREMENTS
919	OMIT TOE KICK & RETURN BASE TO WALL
920	SOLID PLASTIC PARTITIONS
921	GRAB BAR - 48" AT SIDE AND 36" AT BACK
922	RELOCATED (E) LAVATORY / SINK
923	RECESSED PAPER TOWEL / TOILET PAPER DISPENSER PER SPEC
924	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
925	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
926	LAVATORY / SINK AND REQUIREMENTS - SEE PLUMBING PLANS
927	MIRROR - SEE SPECS
928	DRINKING FOUNTAIN AND REQUIREMENTS - SEE PLUMBING PLANS
929	PIPE RAIL PER SPEC
930	FIRE EXTINGUISHER

INTERIOR ELEVATIONS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT
S INC.

1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM

REGISTERED ARCHITECT
STEPHEN J. CARBONARA, AIA, LEED®-AP
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCESSING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.C.C.

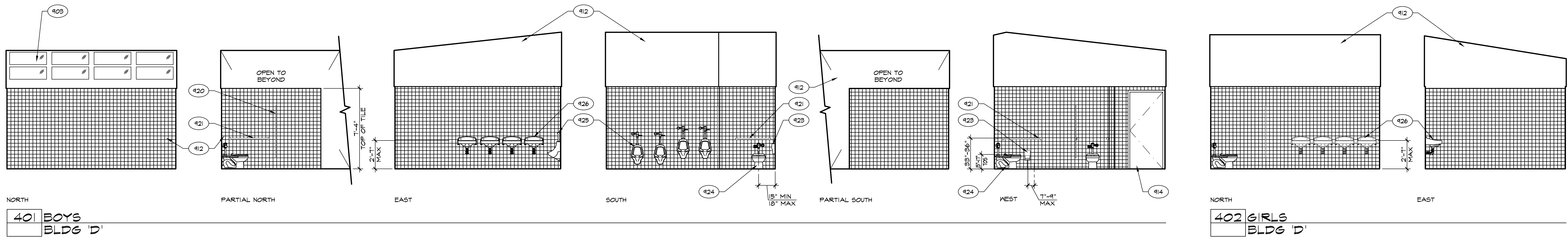
BAKERSFIELD CITY SCHOOL DISTRICT

INTERIOR ELEVATIONS

MARK	DATE	REVISIONS
△		
△		
△		

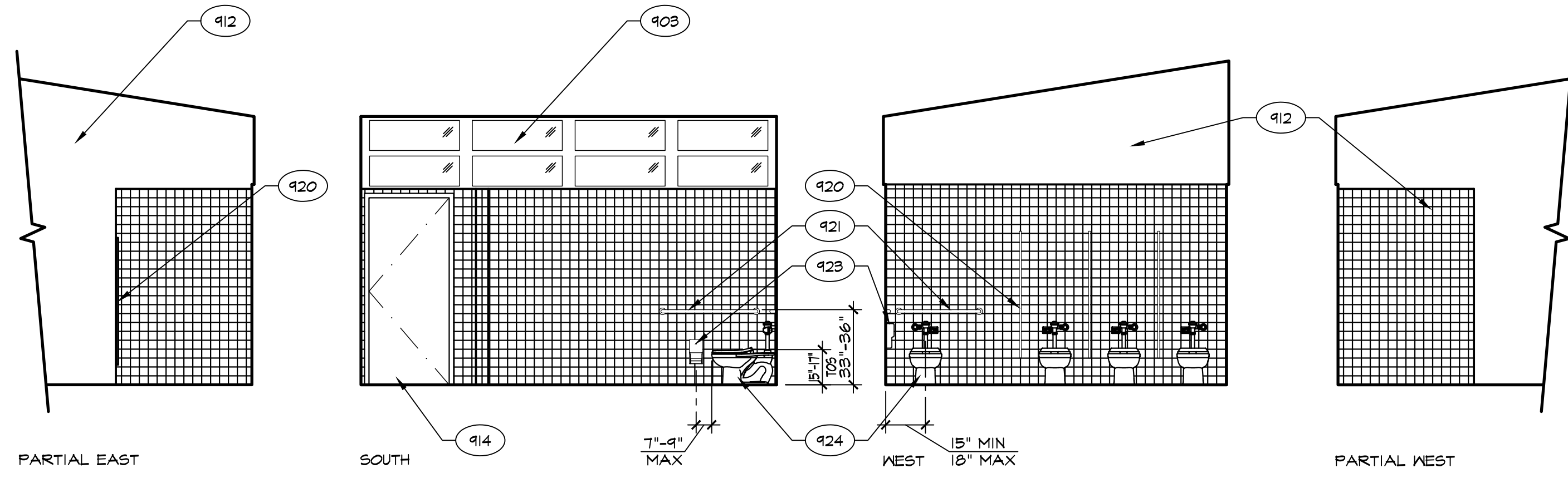
JOB NO. 1317
DRAWN: ED, FS
CHECKED: BCW
DATE: 5/24/23

9.0
17 OF 67 SHEETS

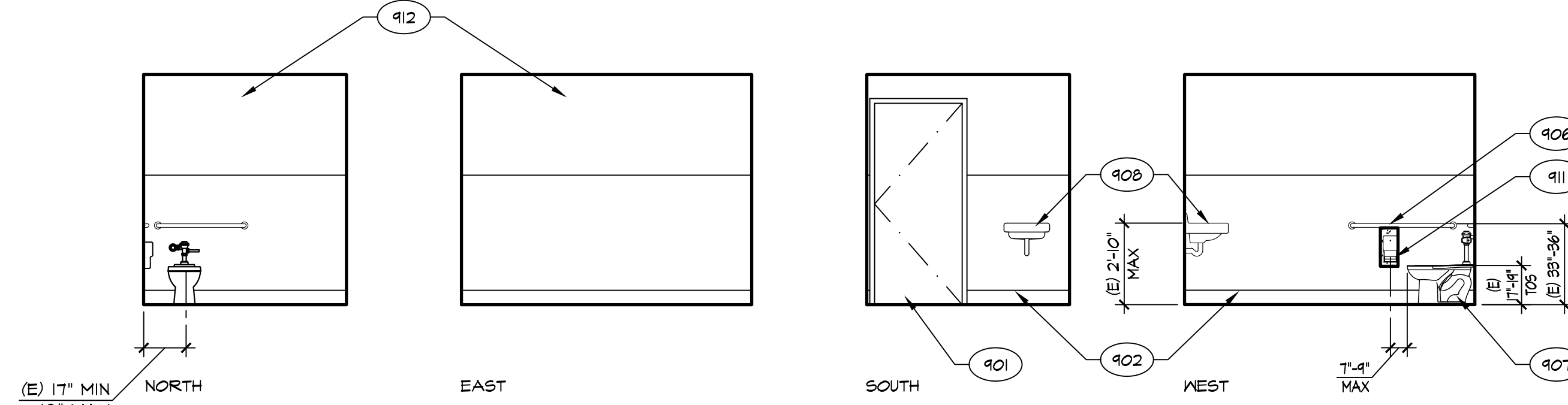


401 BOYS
BLDG 'D'

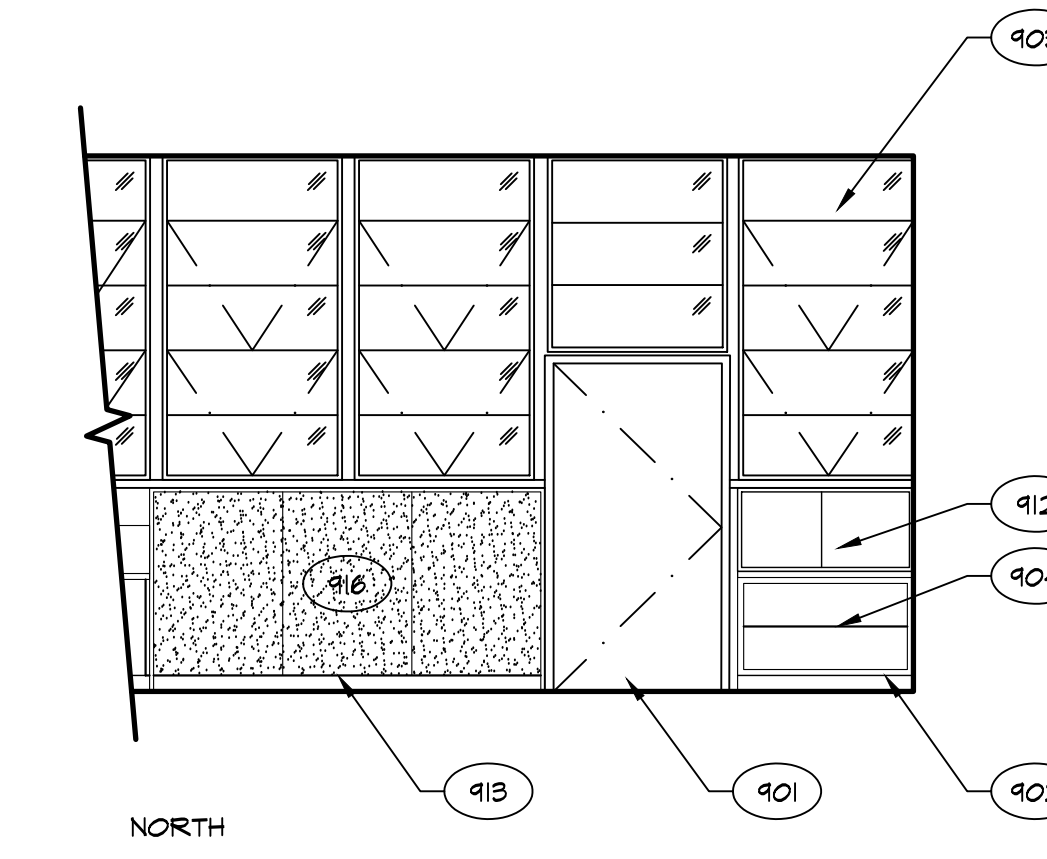
402 GIRLS
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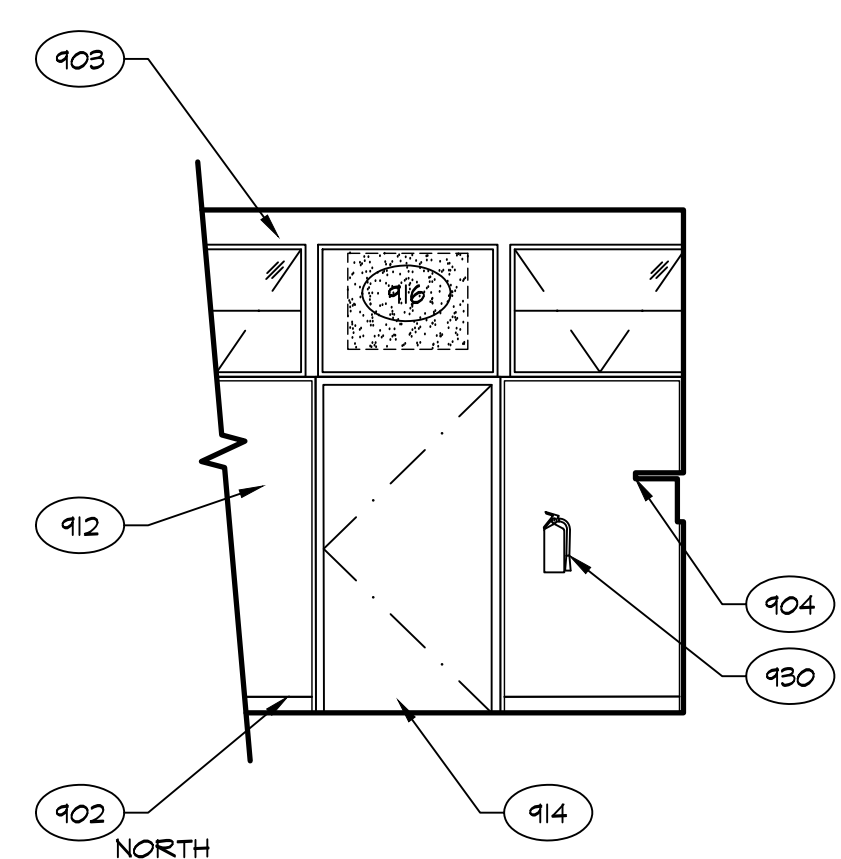
402 GIRLS
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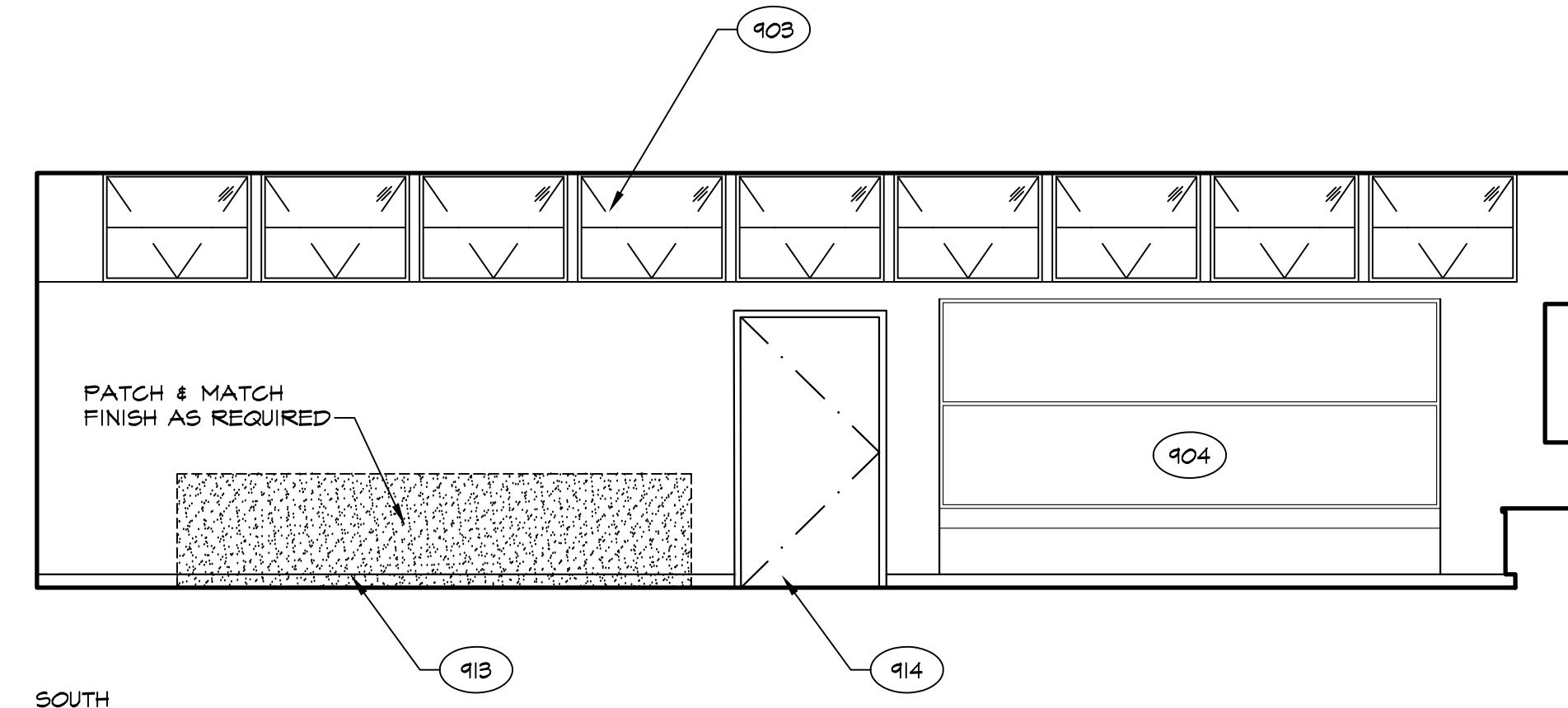
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BLDG 'D'



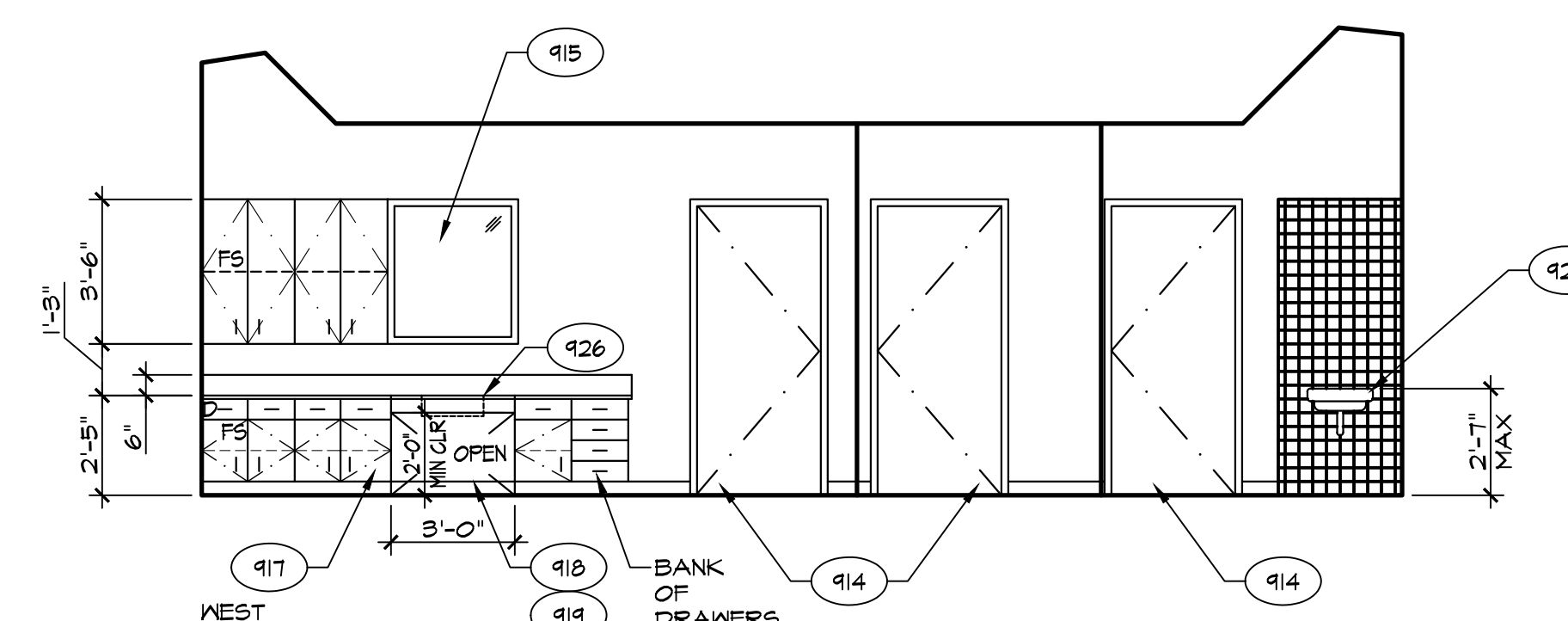
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BLDG 'B', 'C', 'D', & 'E'



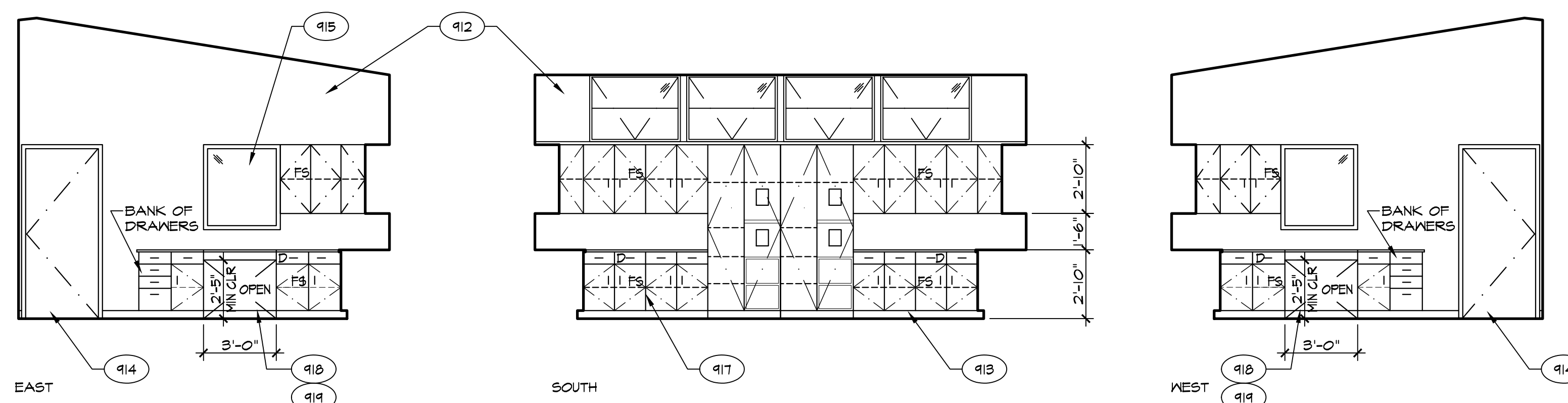
404 CLASSROOM - TYP
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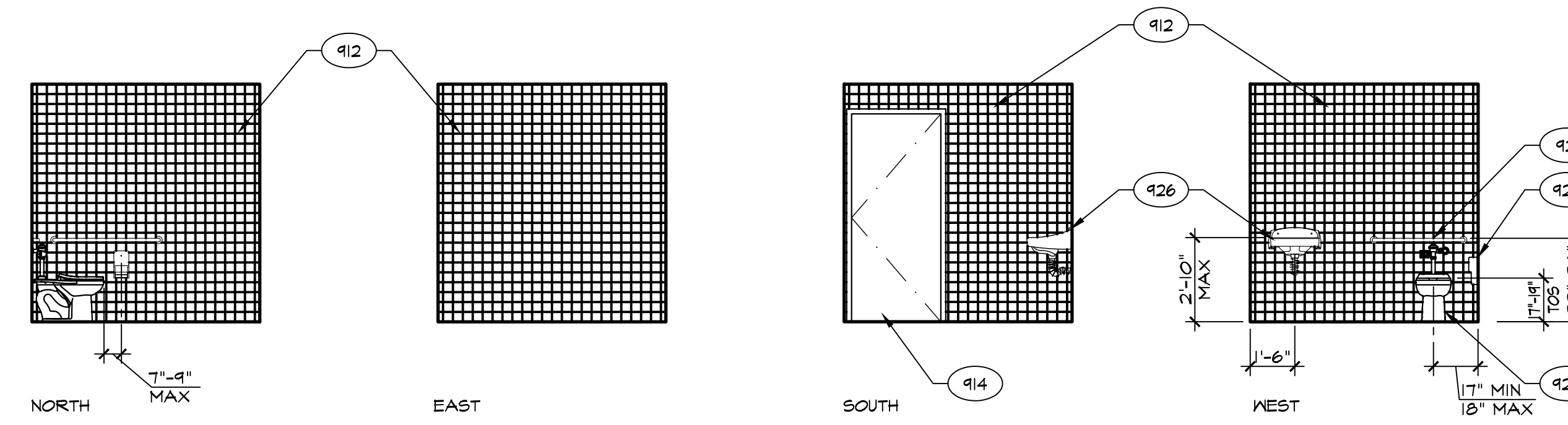
501 KINDERGARTEN
506 BLDG 'E'



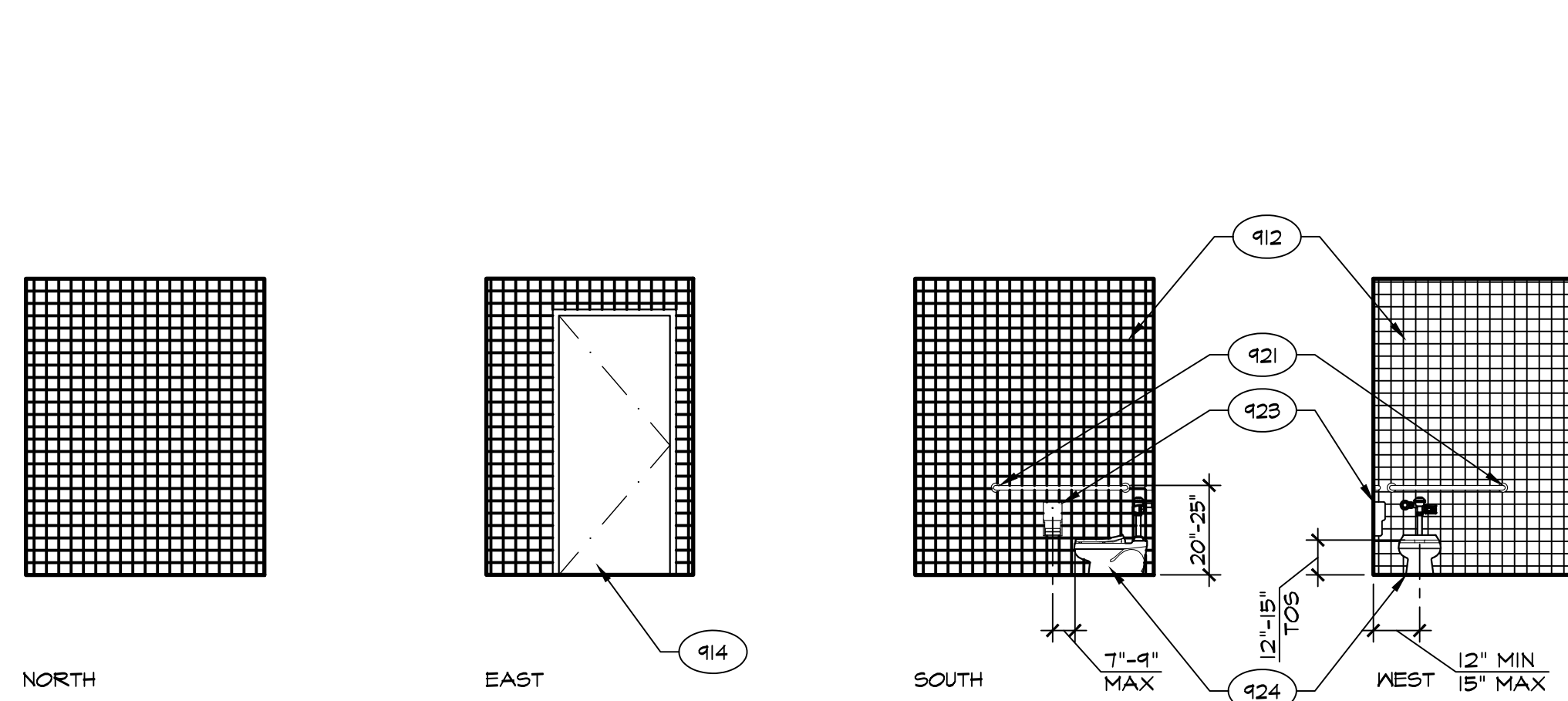
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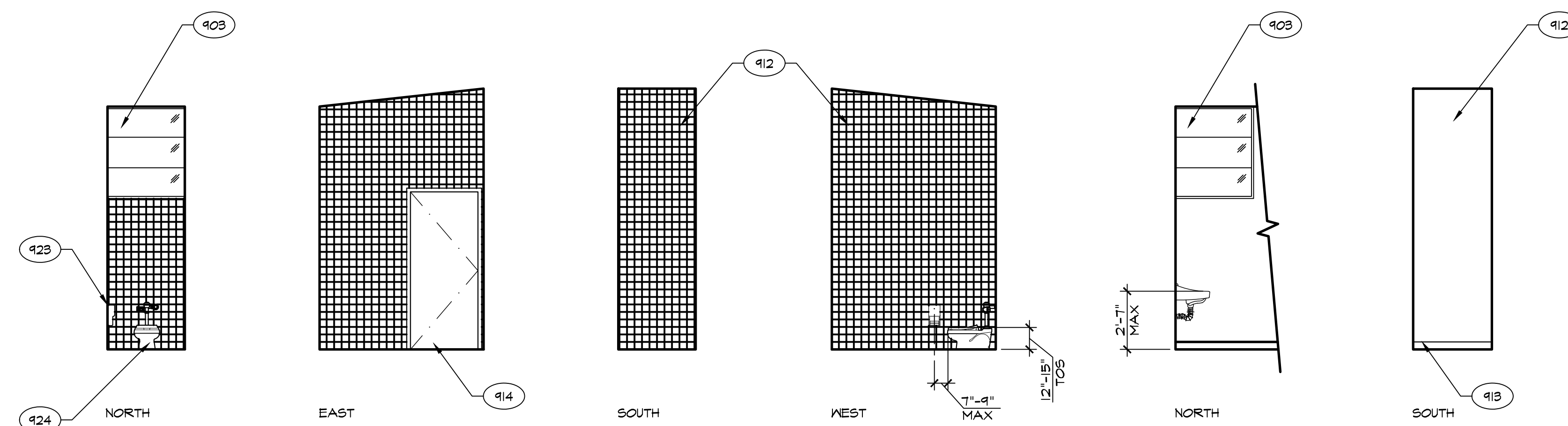
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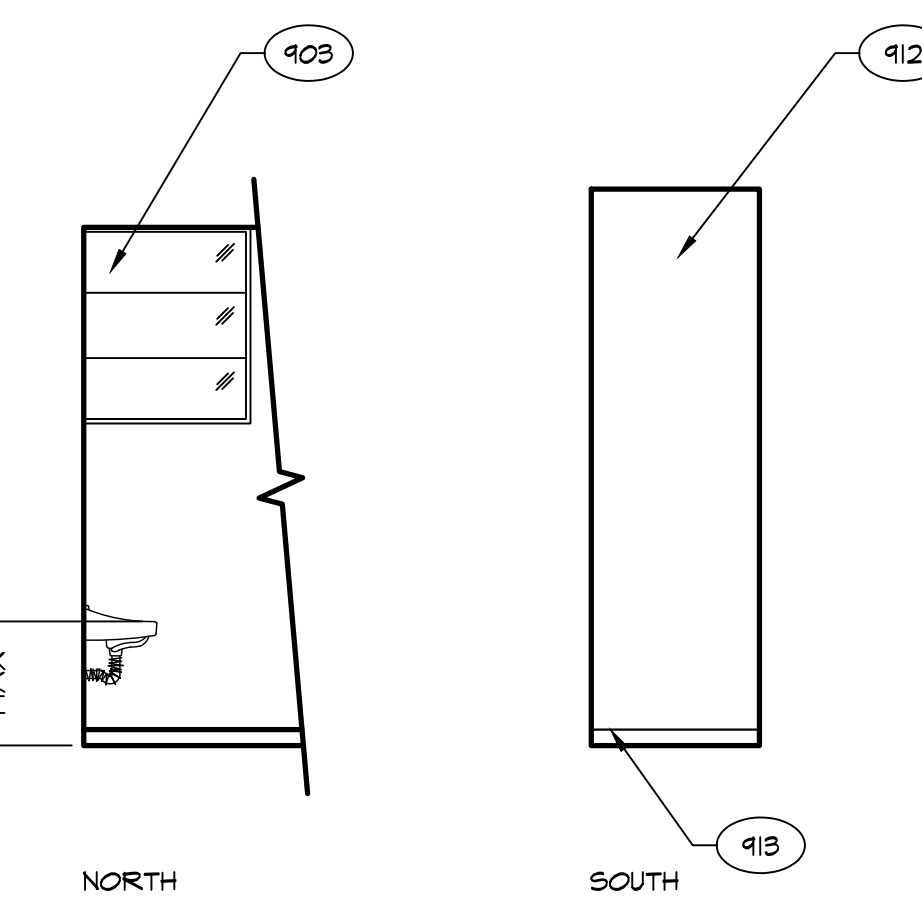
503 TOILET
BLDG 'E'



504 TOILET
507 BLDG 'E'



505 TOILET
508 BLDG 'E'



505A WASH
508A BLDG 'E'

KEYNOTES	
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929	PIPE RAIL PER SPEC
930	FIRE EXTINGUISHER

INTERIOR ELEVATIONS

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

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ROOSEVELT ELEMENTARY SCHOOL
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FOR
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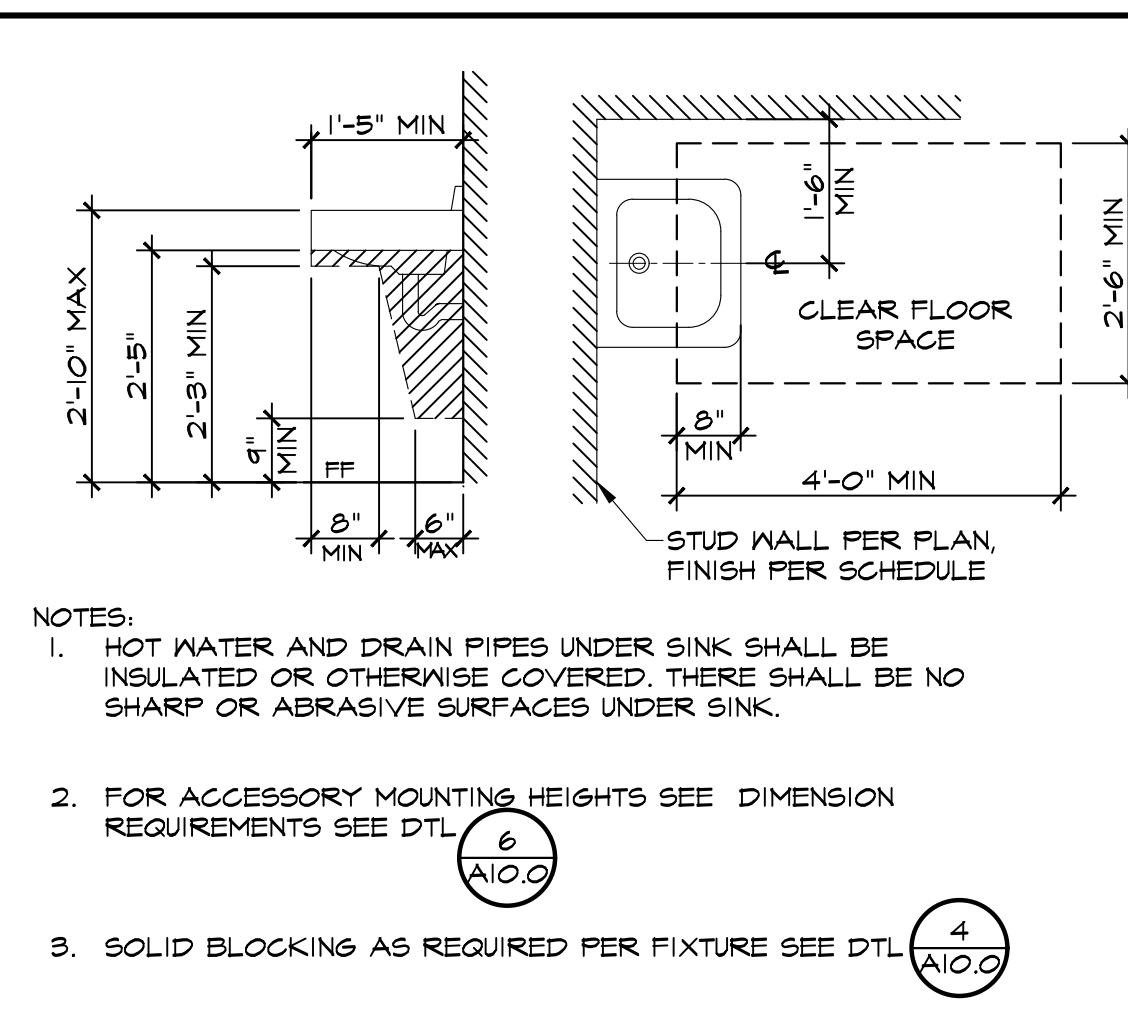
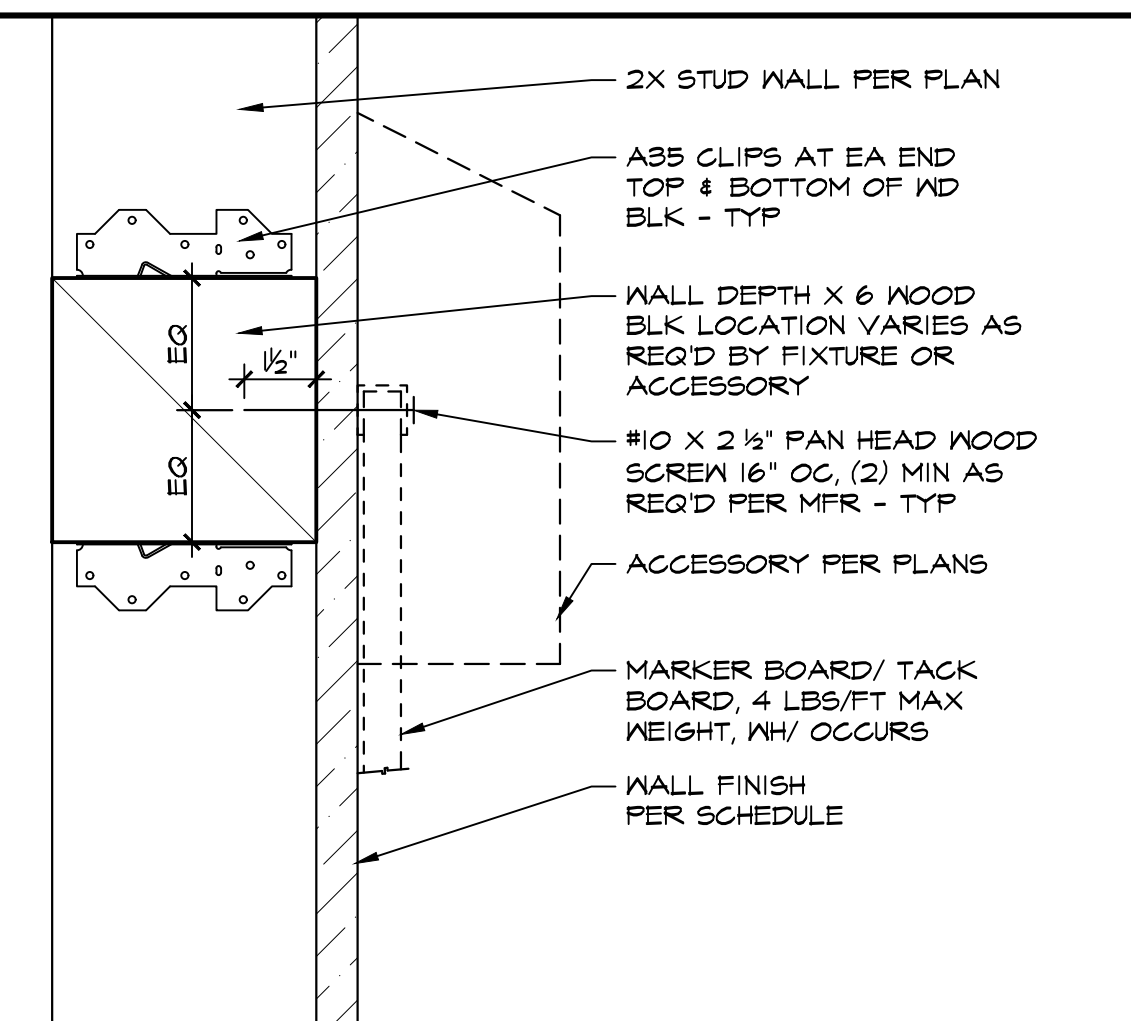
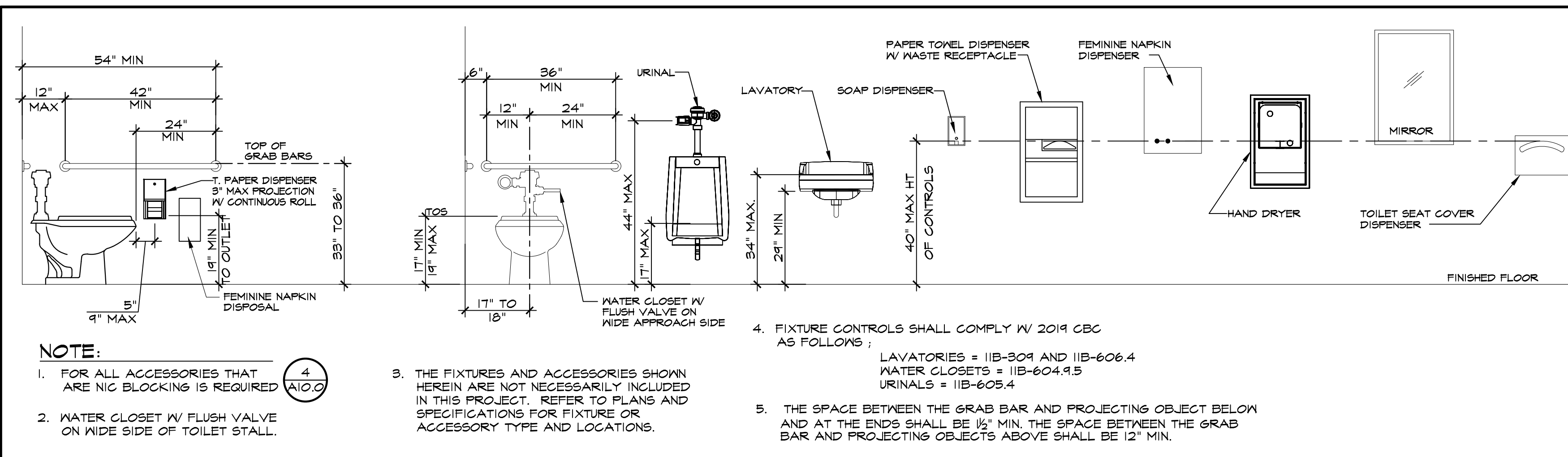
ARCHITECT
SCARCHITECT INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
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INTERIOR ELEVATIONS

MARK	DATE	REVISIONS

JOB NO. 1317
DRAWN: ED, FS
CHECKED: BCW
DATE: 5/25/23
9.1
18 OF 67 SHEETS



DESCRIPTION	SUGGESTED ELEMENTARY DIMENSION		
	AGES 5-8 (INCHES)	AGES 9-12 (INCHES)	ADULT (INCHES)
TOILET CENTERING FROM WALL	12"-15"	15"-18"	17"-18"
TOILET SEAT HEIGHT FF TO TOP OF SEAT	12"-15"	15"-17"	17"-19"
GRAB BAR HEIGHT TO TOP OF RAIL	20"-25"	25"-27"	33"-36"
TOILET PAPER IN FRONT OF TOILET		17"-19" MAX	
TOILET PAPER DISPENSER HEIGHT	14"-17"	17"-19"	19" MIN
NAPKIN DISPOSAL IN FRONT OF TOILET	N/A	12" MAX	12" MAX
ACCESSORIES, DISPENSER CONTROLS	32" MAX	36" MAX	40" MAX
MAX HT OF MIRROR'S BOT REFLECTIVE SURFACE ABOVE FINISH FLOOR	52"	52"	55" WALL MTD 40" @ COUNTER
LAVATORY/SINK TOP HEIGHT	31" MAX	31" MAX	34" MAX
LAVATORY/SINK KNEE CLEARANCE	24" MIN	24" MIN	27" MIN
LAVATORY/SINK DEPTH	45" MAX	62" MAX	62" MAX
URINAL LIP HEIGHT		17" MAX	
URINAL FLUSH HANDLE HEIGHT	32" MAX	37" MAX	44" MAX
DRINKING FOUNTAIN BUBBLER HEIGHT	30" MAX	30" MAX	38" MAX 30"-42" FOR STANDING PERSONS
DRINKING FOUNTAIN KNEE CLEARANCE	24" MIN	24" MIN	27" MIN
RAMP/STAIR HANDRAIL HEIGHT TO TOP OF RAIL	28" MAX	28" MAX	34"-38" MAX

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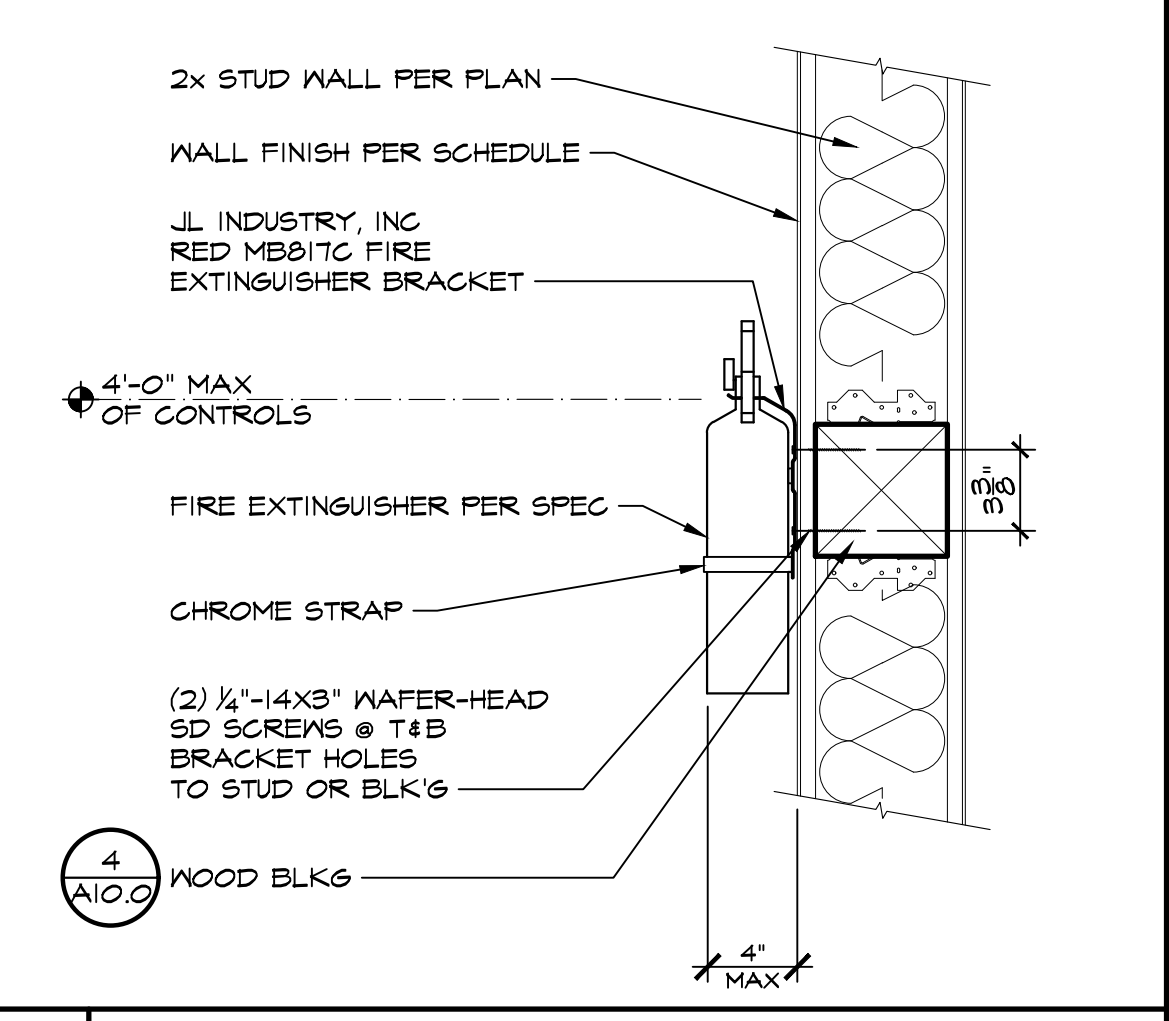
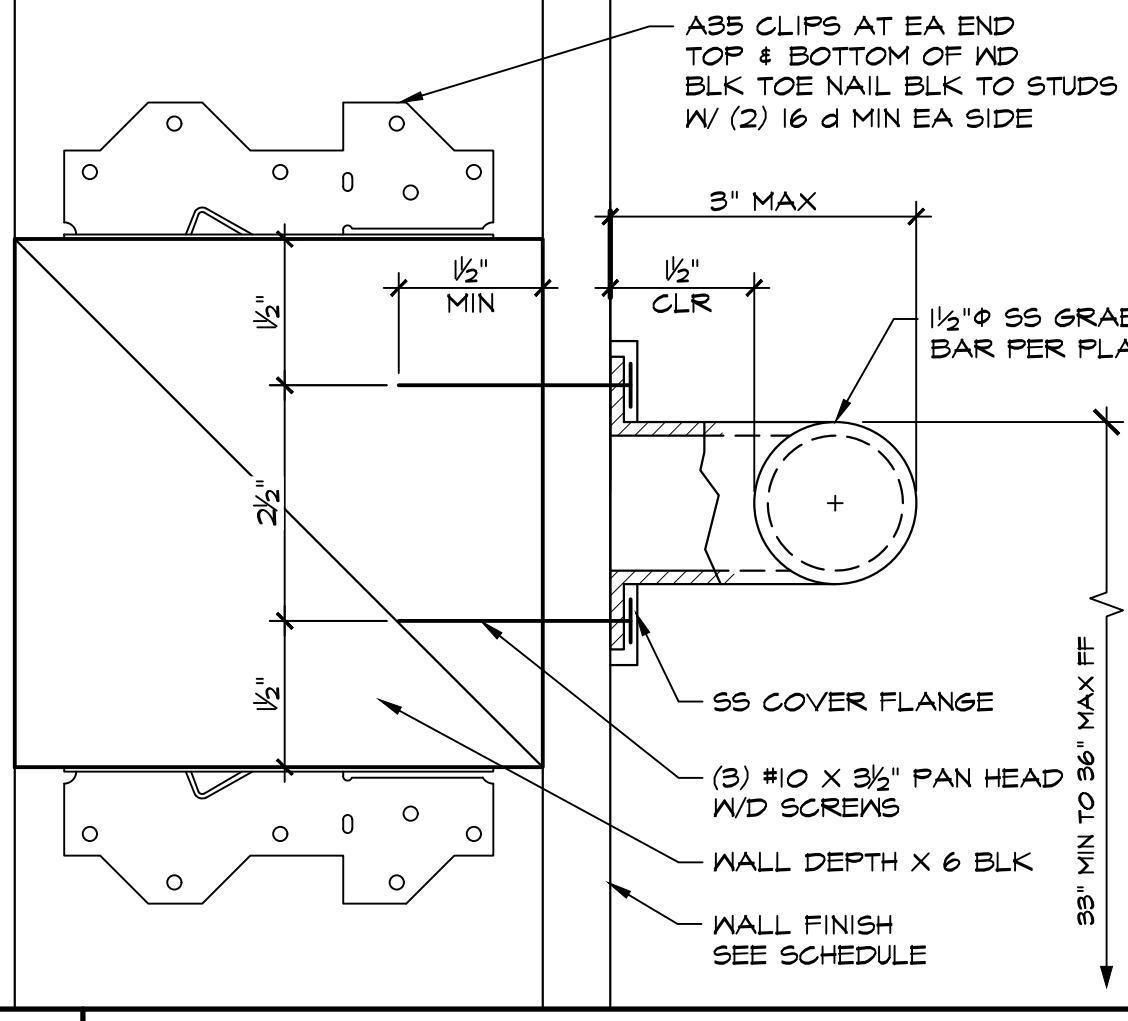
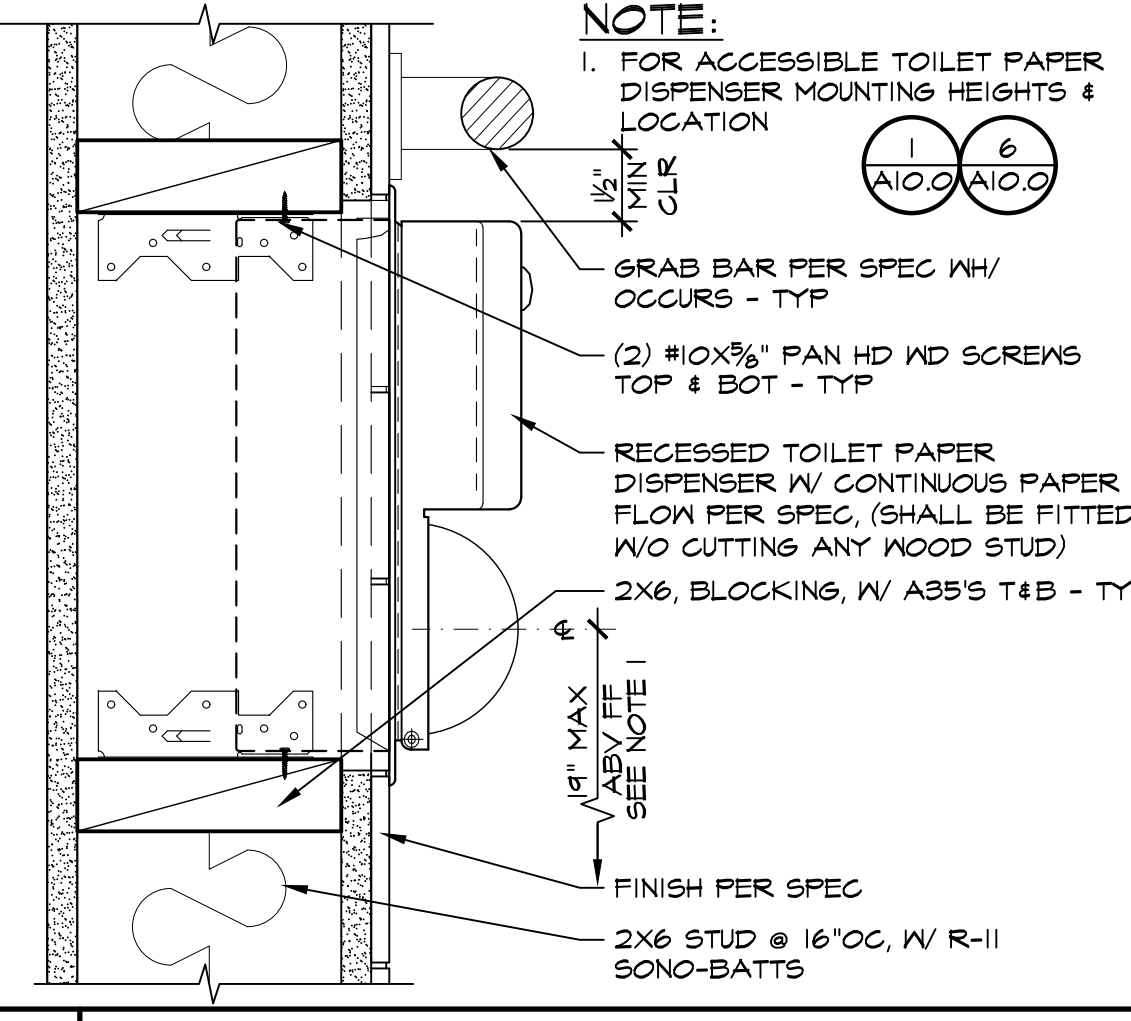
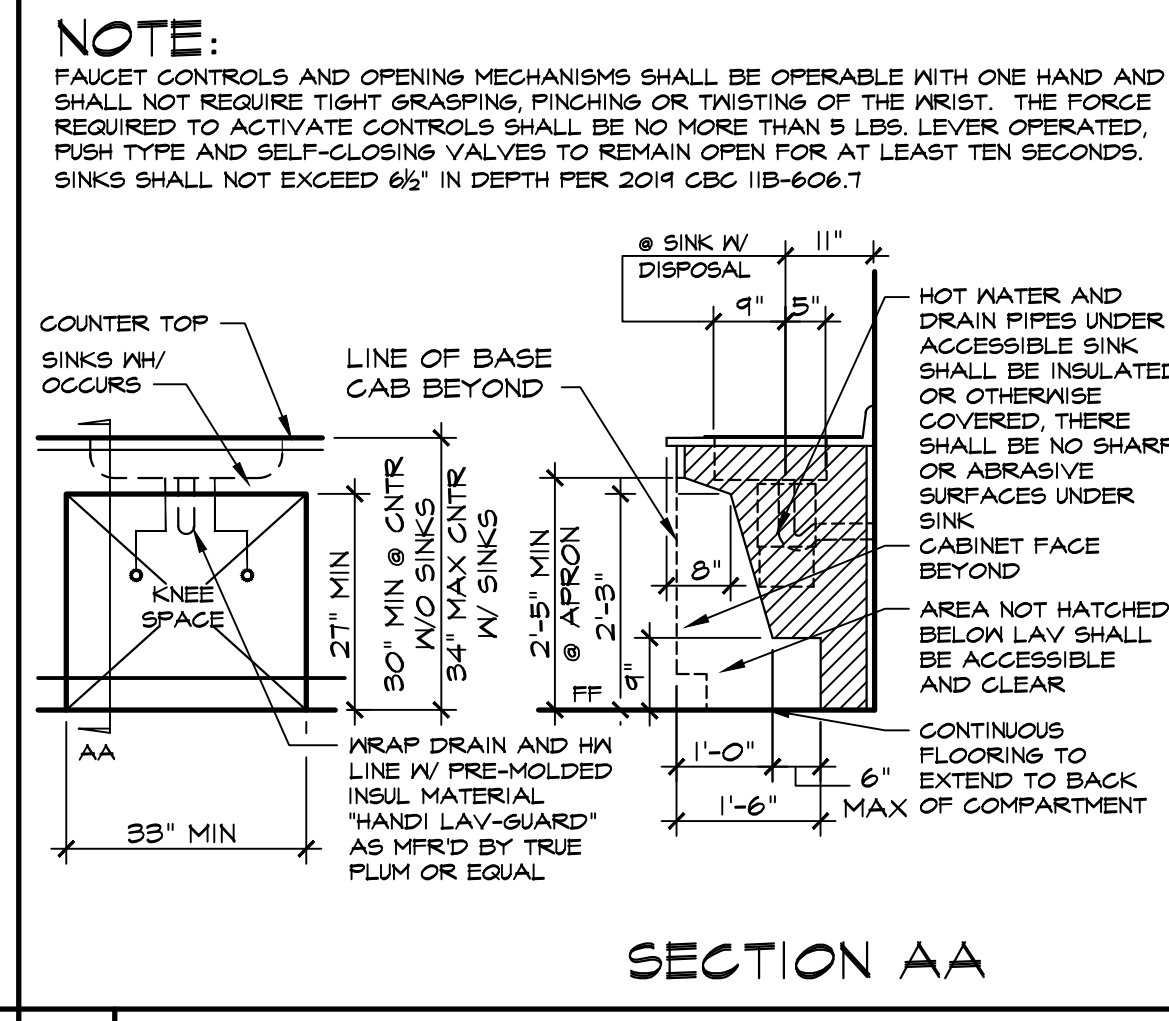
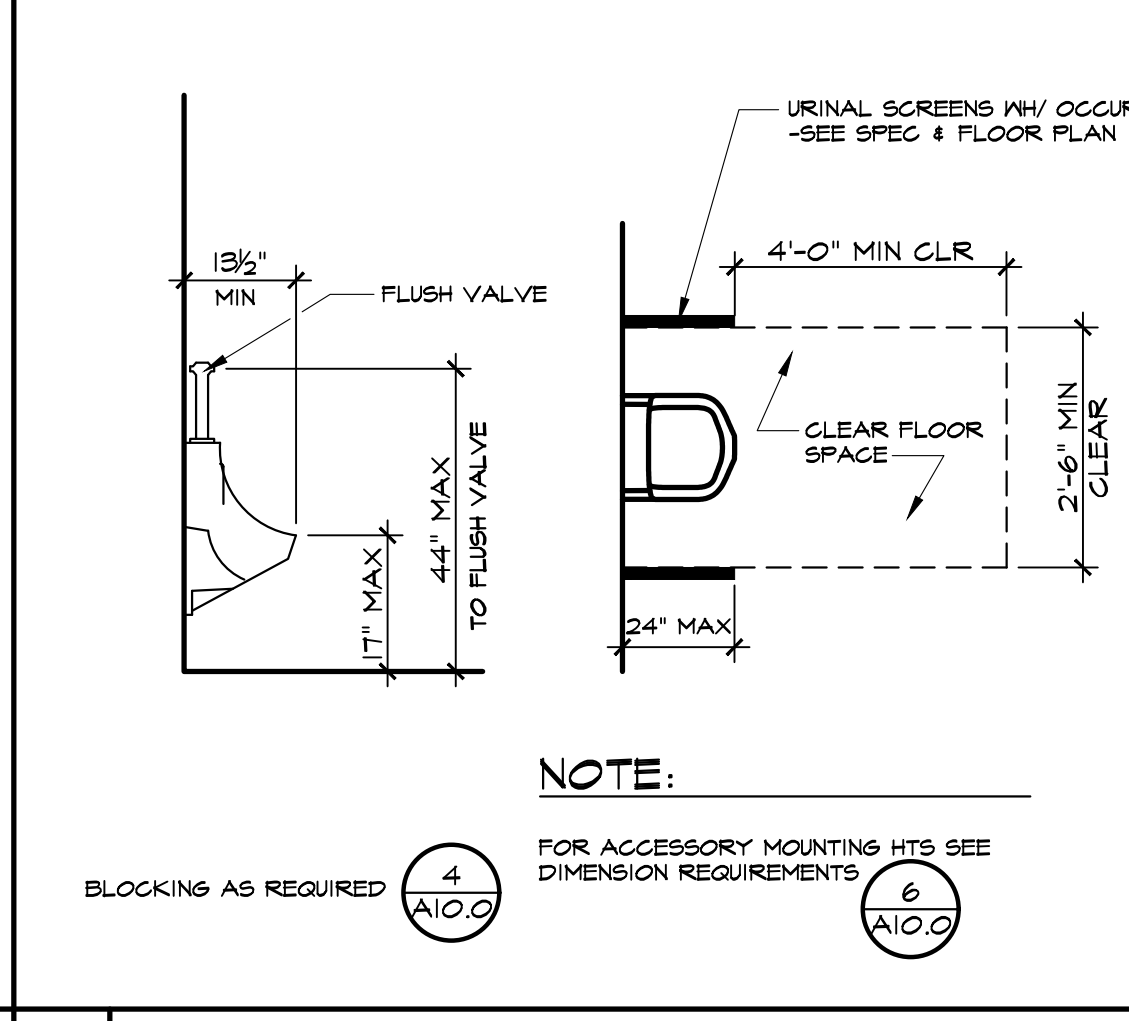
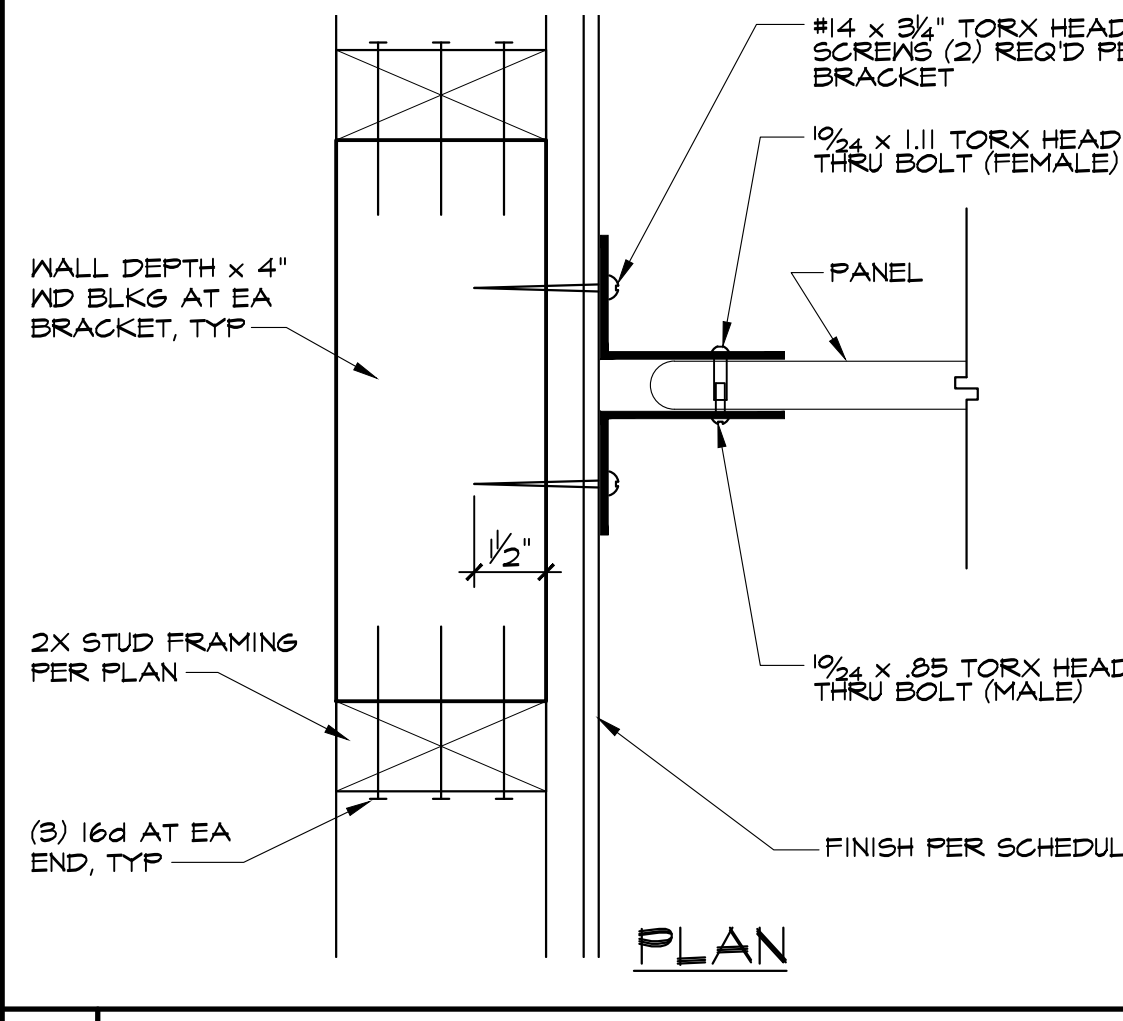
PN: 63321-389 FILE: 15-6

1 TYPICAL TOILET ACCESSORIES MOUNTING HEIGHTS SCALE: 1/2" = 1'-0"

4 ACCESSORY MOUNTING SCALE: 1/2" = 1'-0"

5 LAVATORY REQUIREMENTS SCALE: 1/2" = 1'-0"

6 DIMENSION REQUIREMENTS SCALE: NTS



7 TOILET PARTITION SCALE: 3/4" = 1'-0"

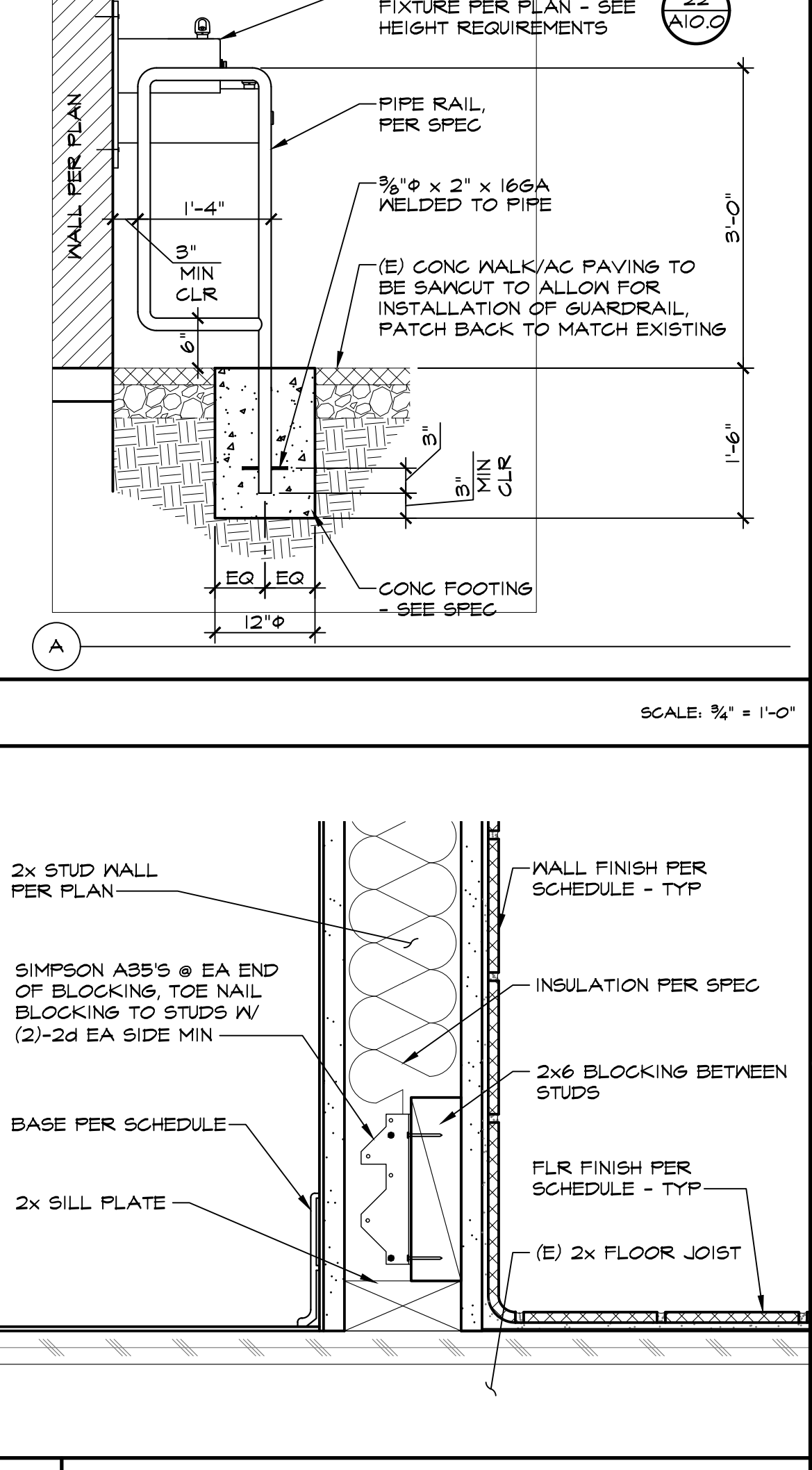
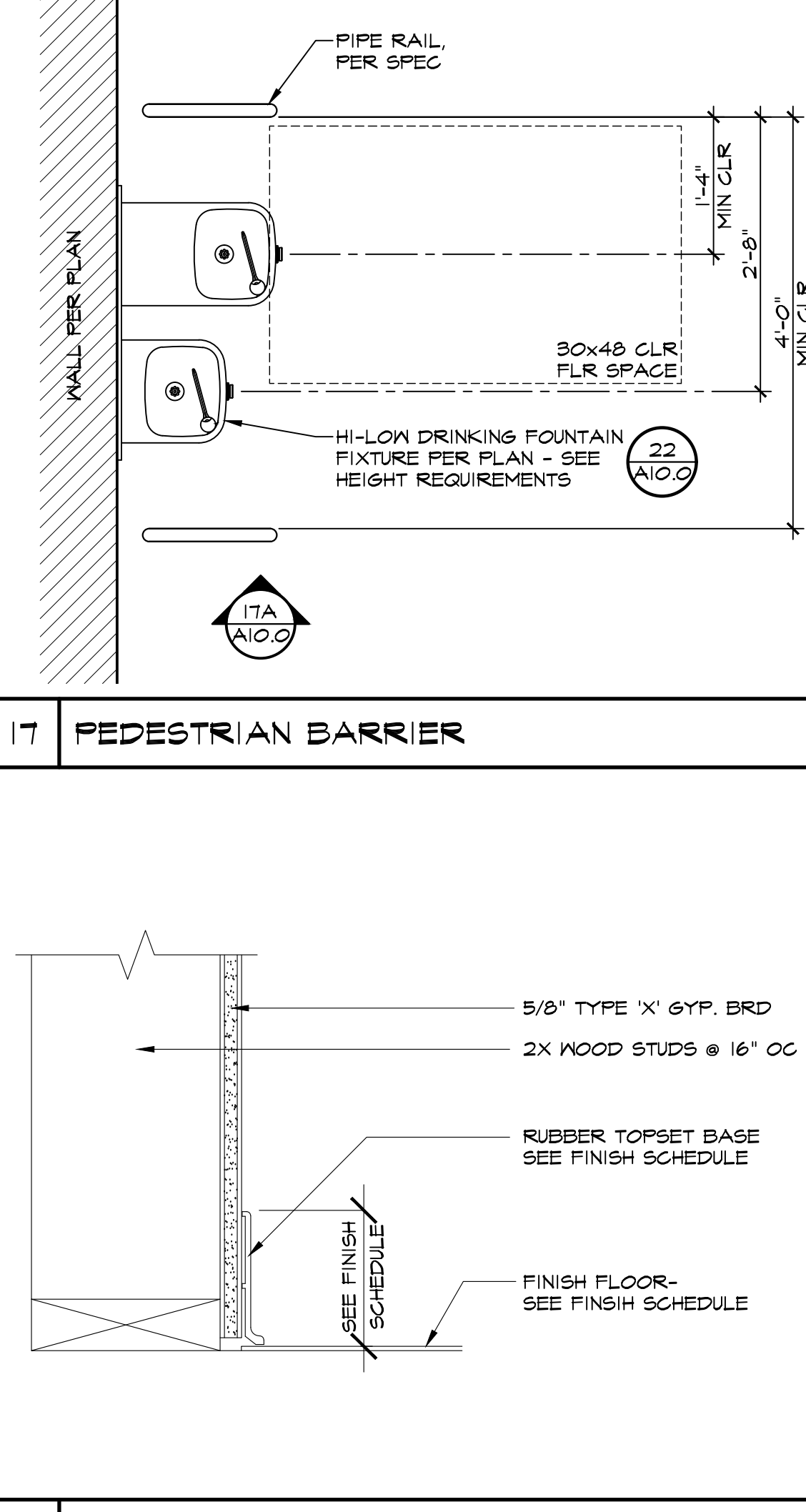
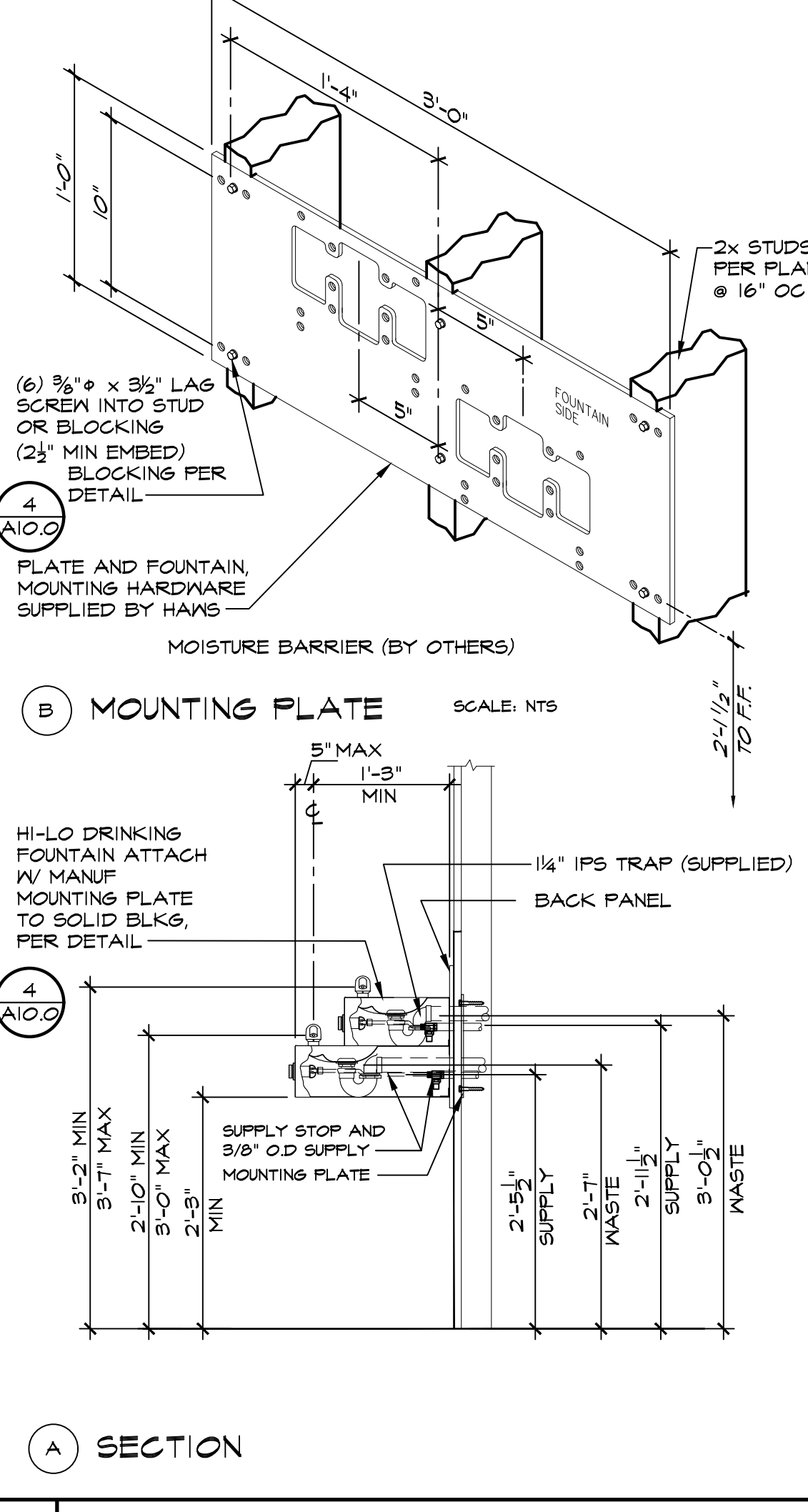
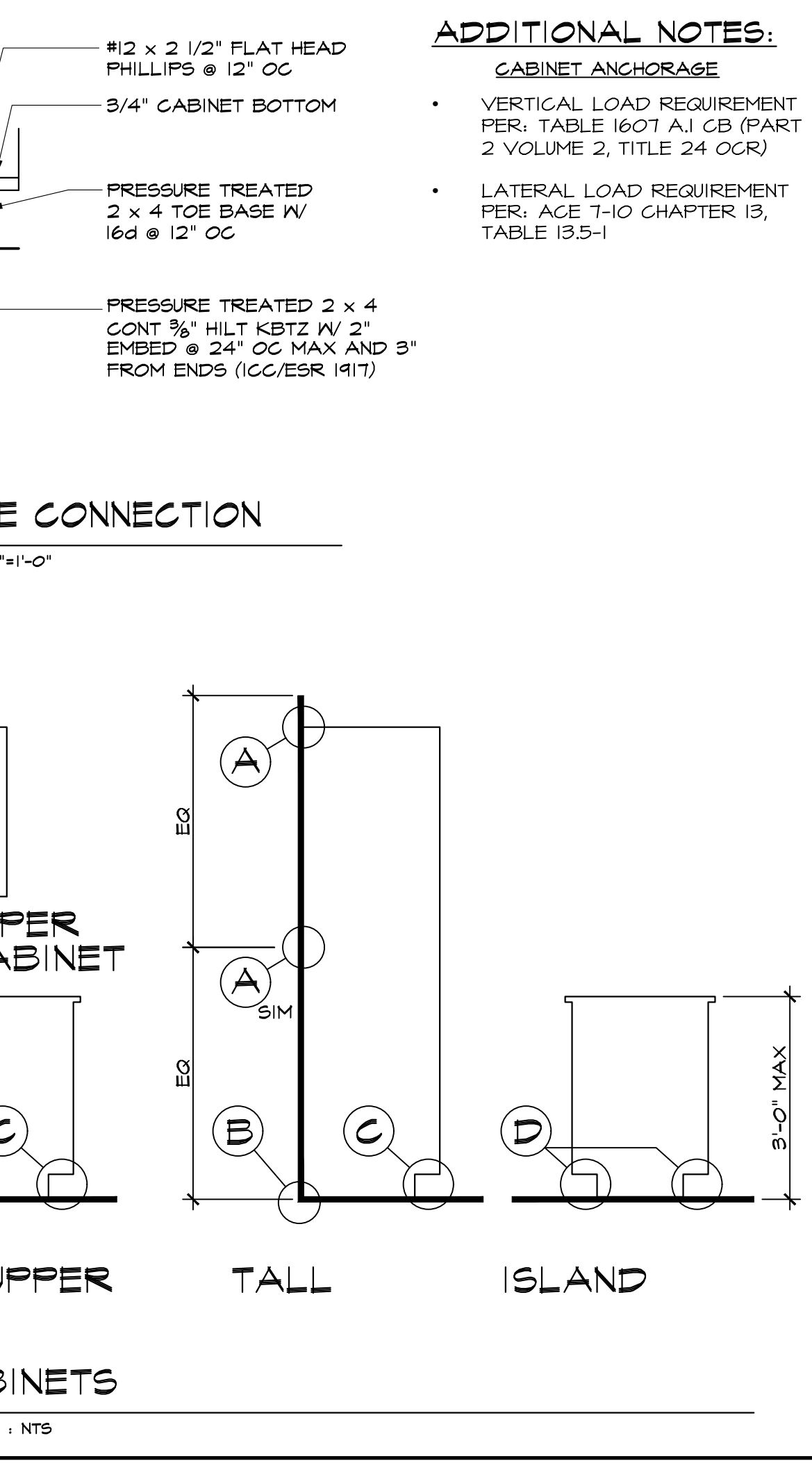
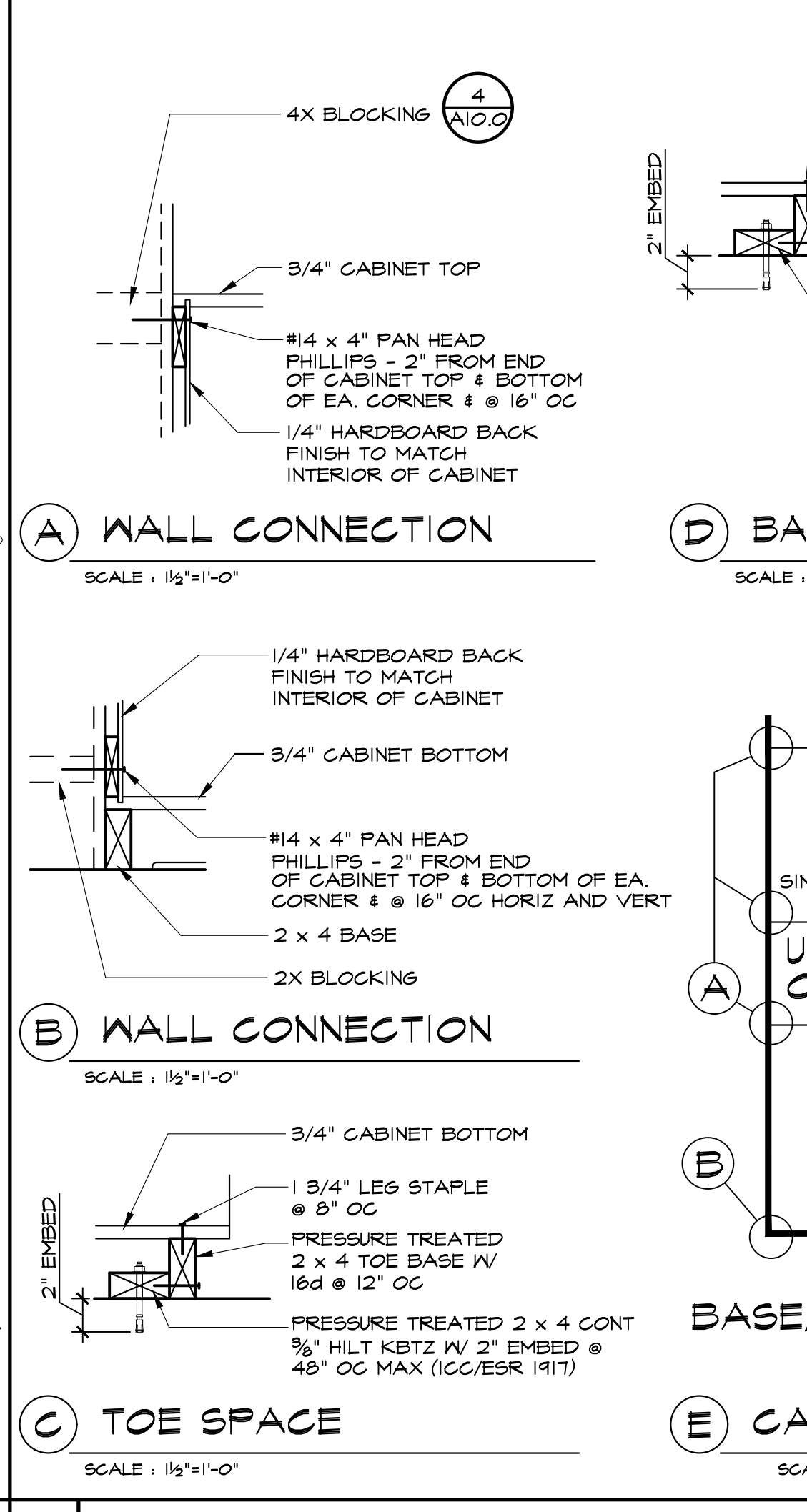
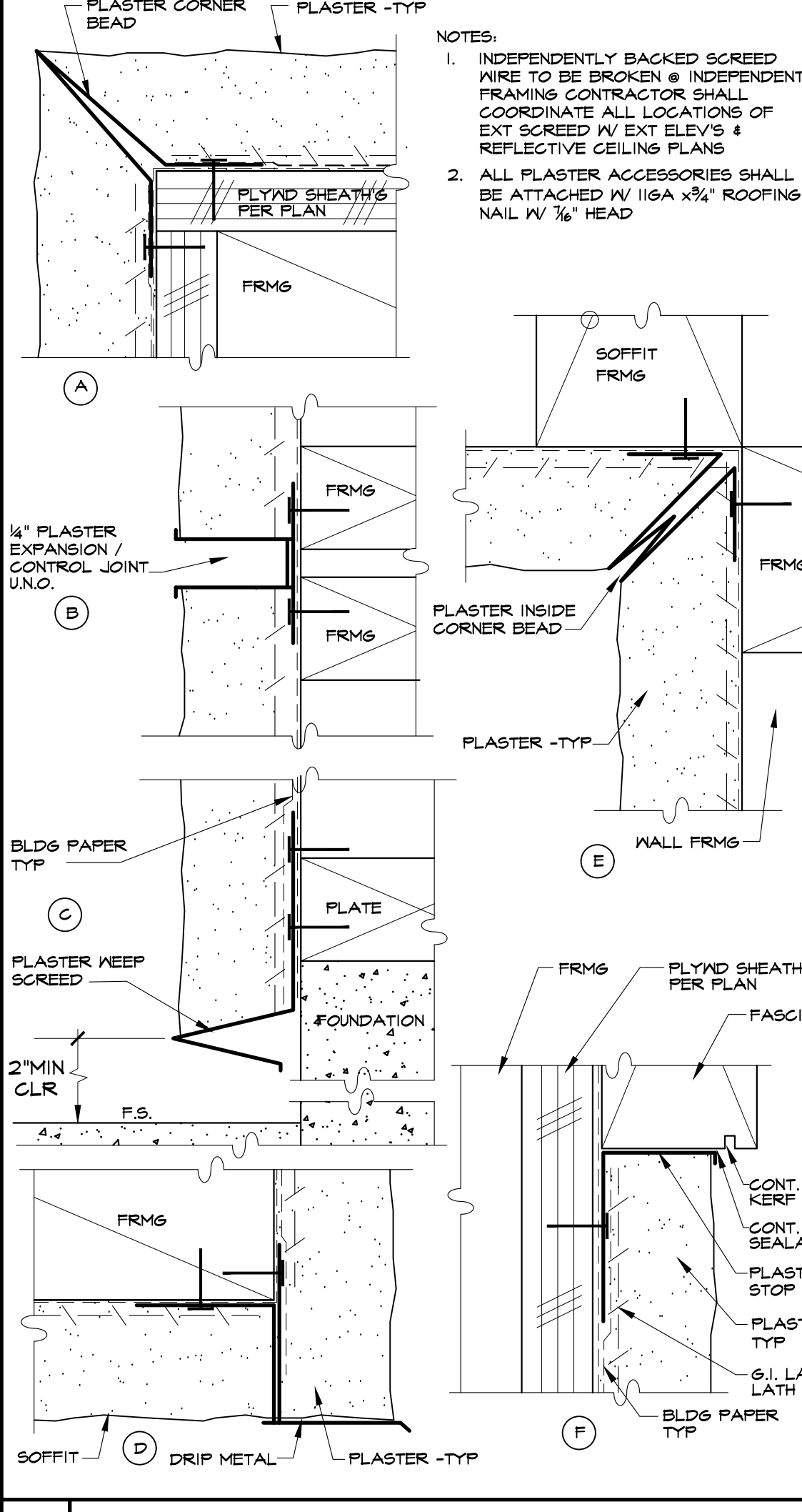
8 URINAL REQUIREMENTS SCALE: 1/2" = 1'-0"

9 KNEE SPACE REQUIREMENTS SCALE: 1/2" = 1'-0"

10 TP DISPENSER DETAIL SCALE: 3/4" = 1'-0"

11 GRAB BAR MOUNTING SCALE: 6" = 1'-0"

12 FIRE EXTINGUISHER MOUNTING SCALE: 1/2" = 1'-0"



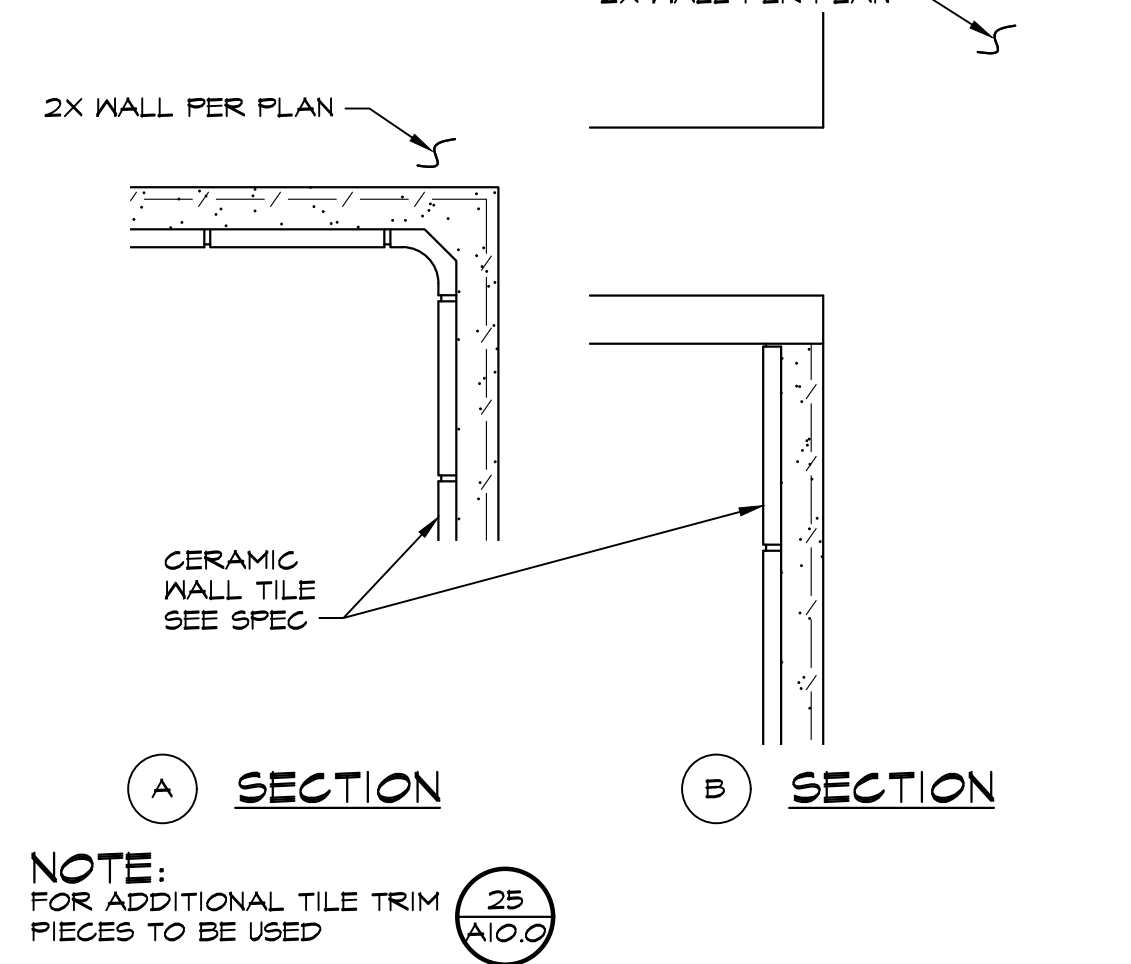
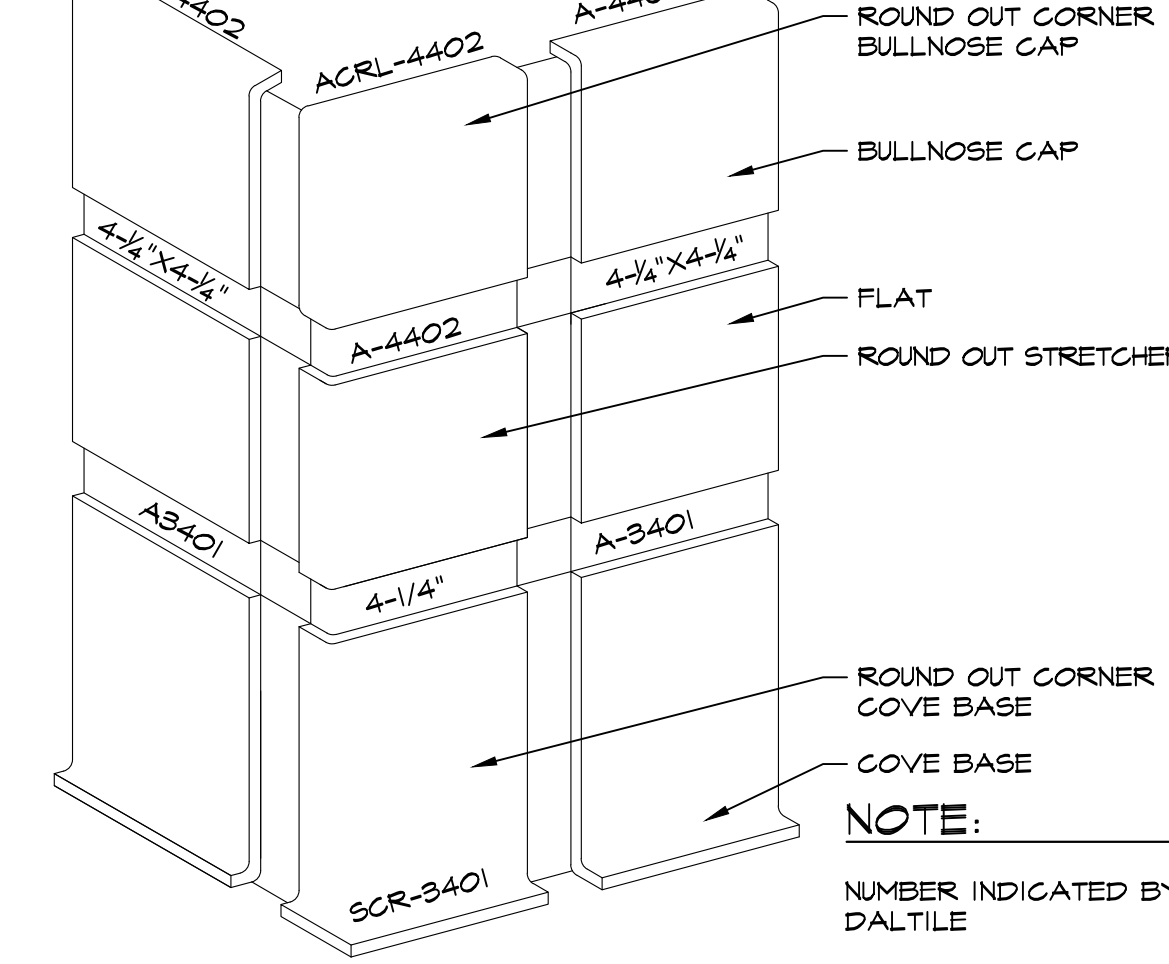
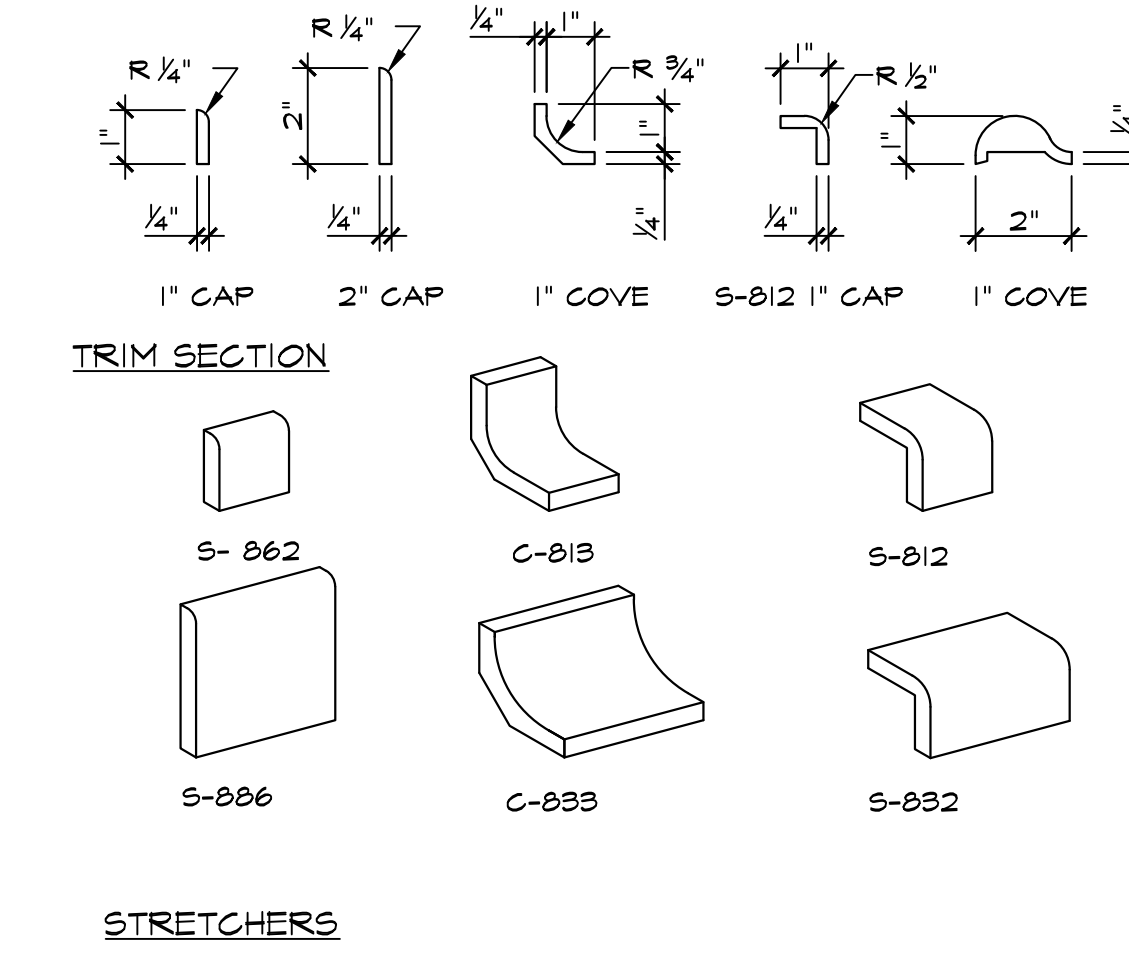
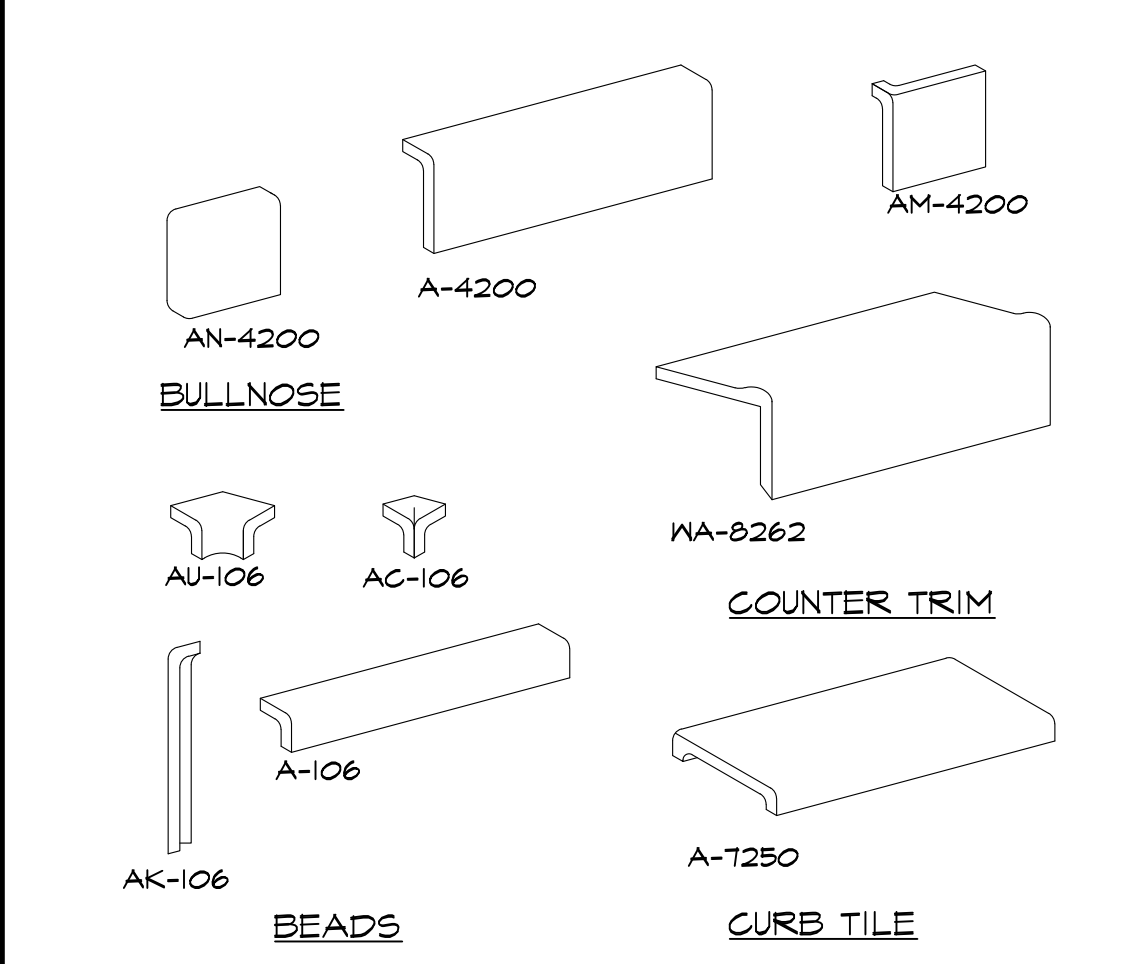
19 PLASTER / ACCESSORIES SCALE: NTS

20 TYPICAL CABINET ATTACHMENTS SCALE: AS NOTED

22 DUAL HEIGHT DF ANCHORAGE SCALE: 3/4" = 1'-0"

23 RUBBET TOPSET BASE SCALE: 5" = 1'-0"

24 WALL FINISH SUPPORT SCALE: 5" = 1'-0"



28 CERAMIC TILE SCALE: 3/4" = 1'-0"

29 WALL AND FLOOR TILE SCALE: 3/4" = 1'-0"

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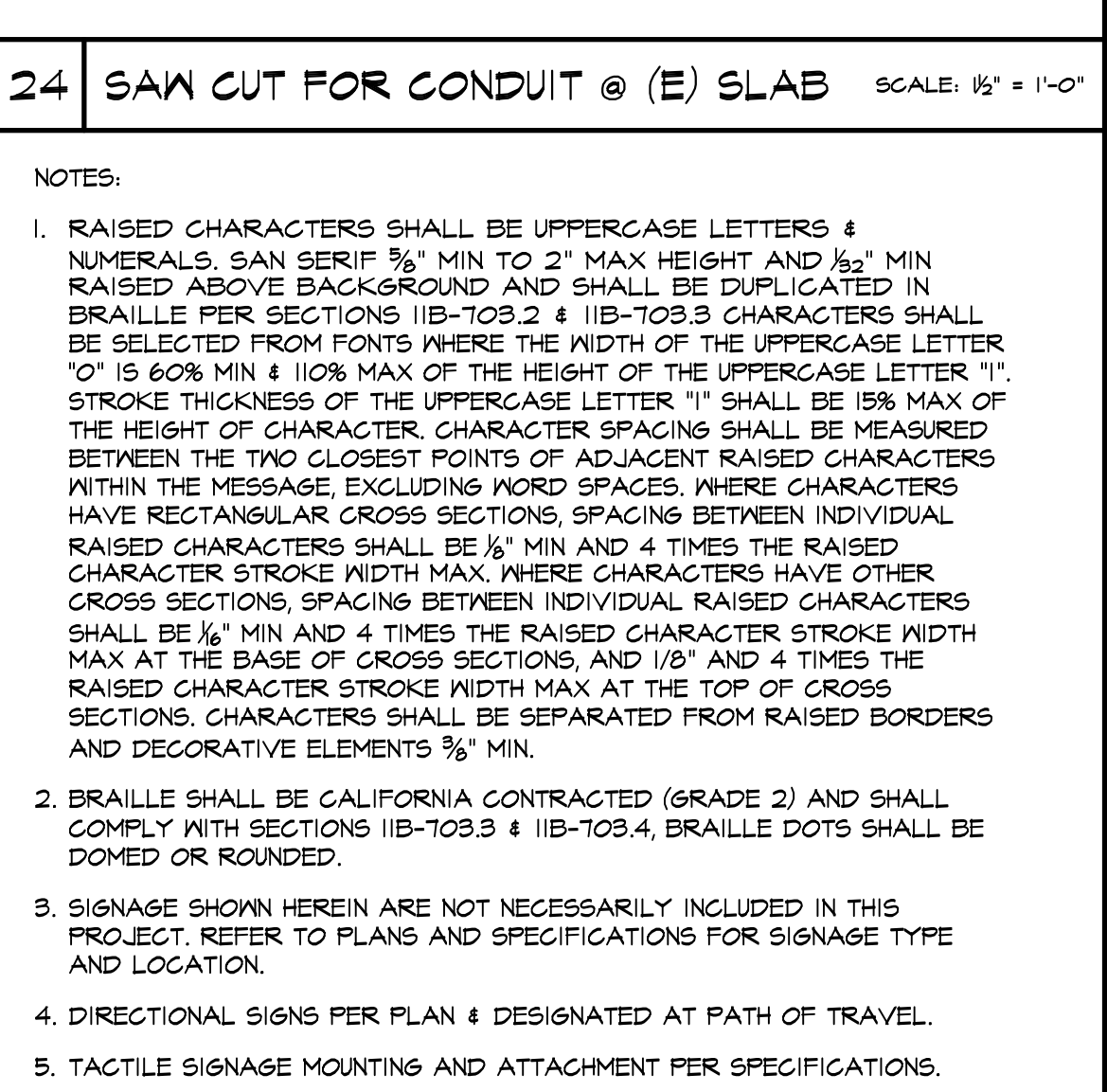
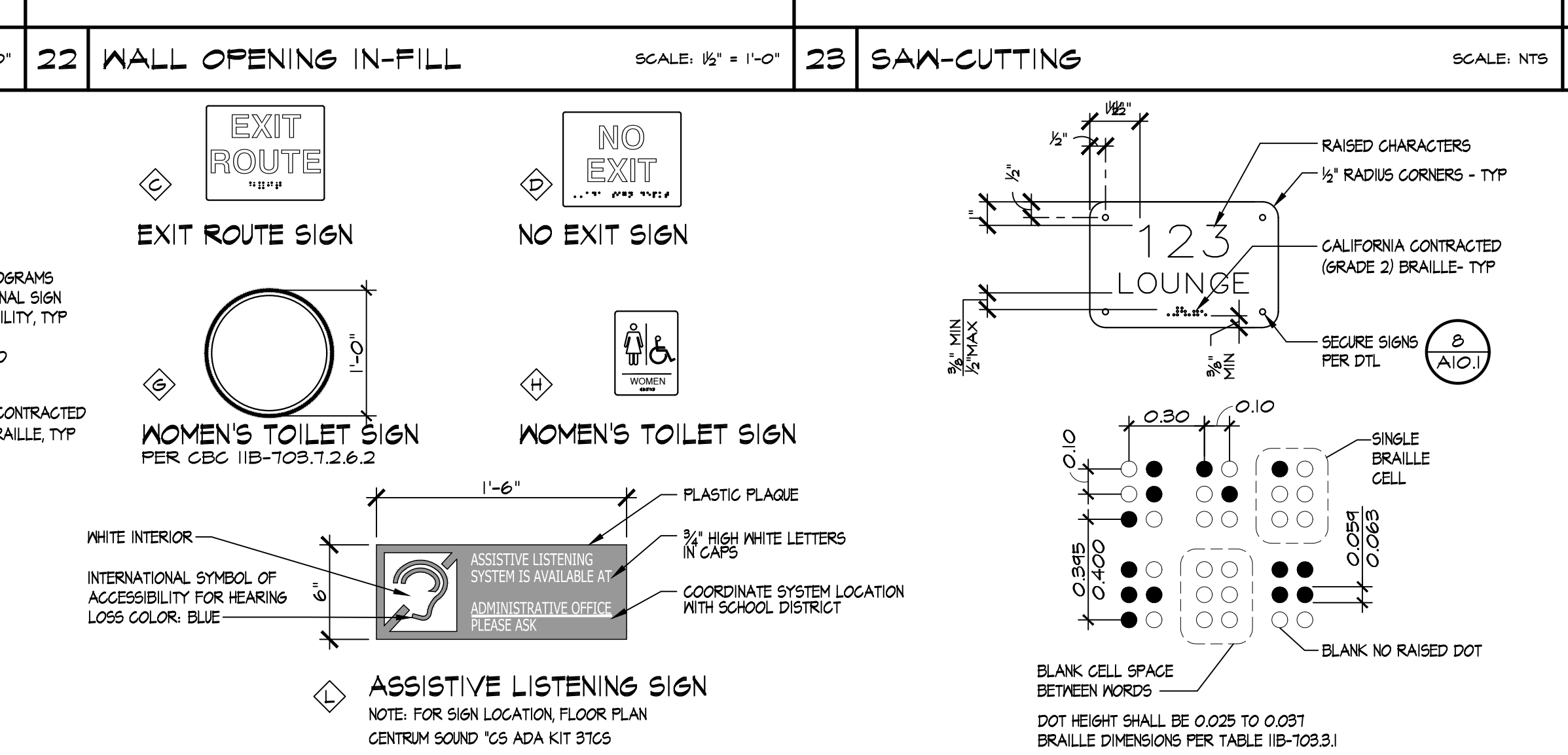
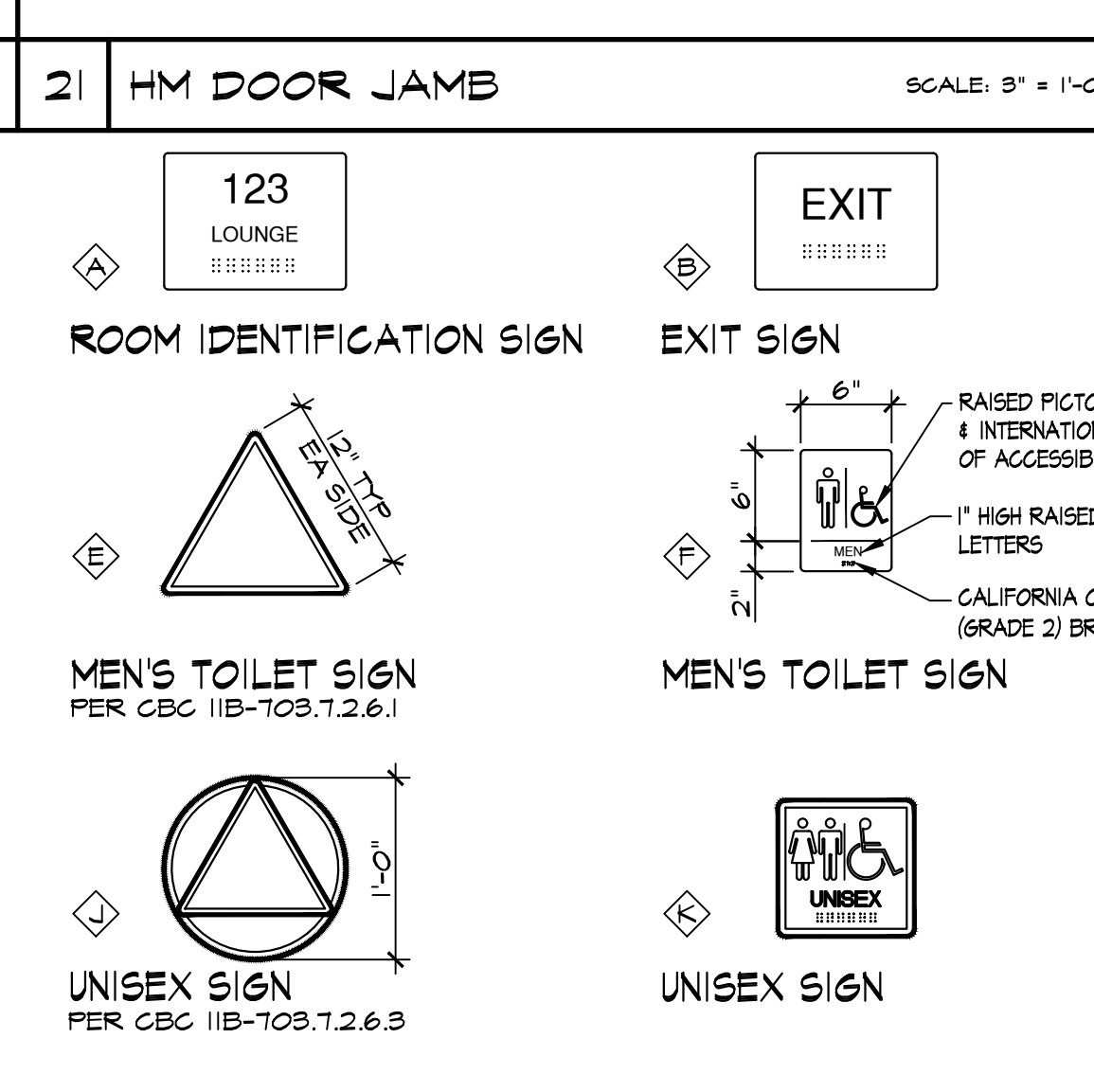
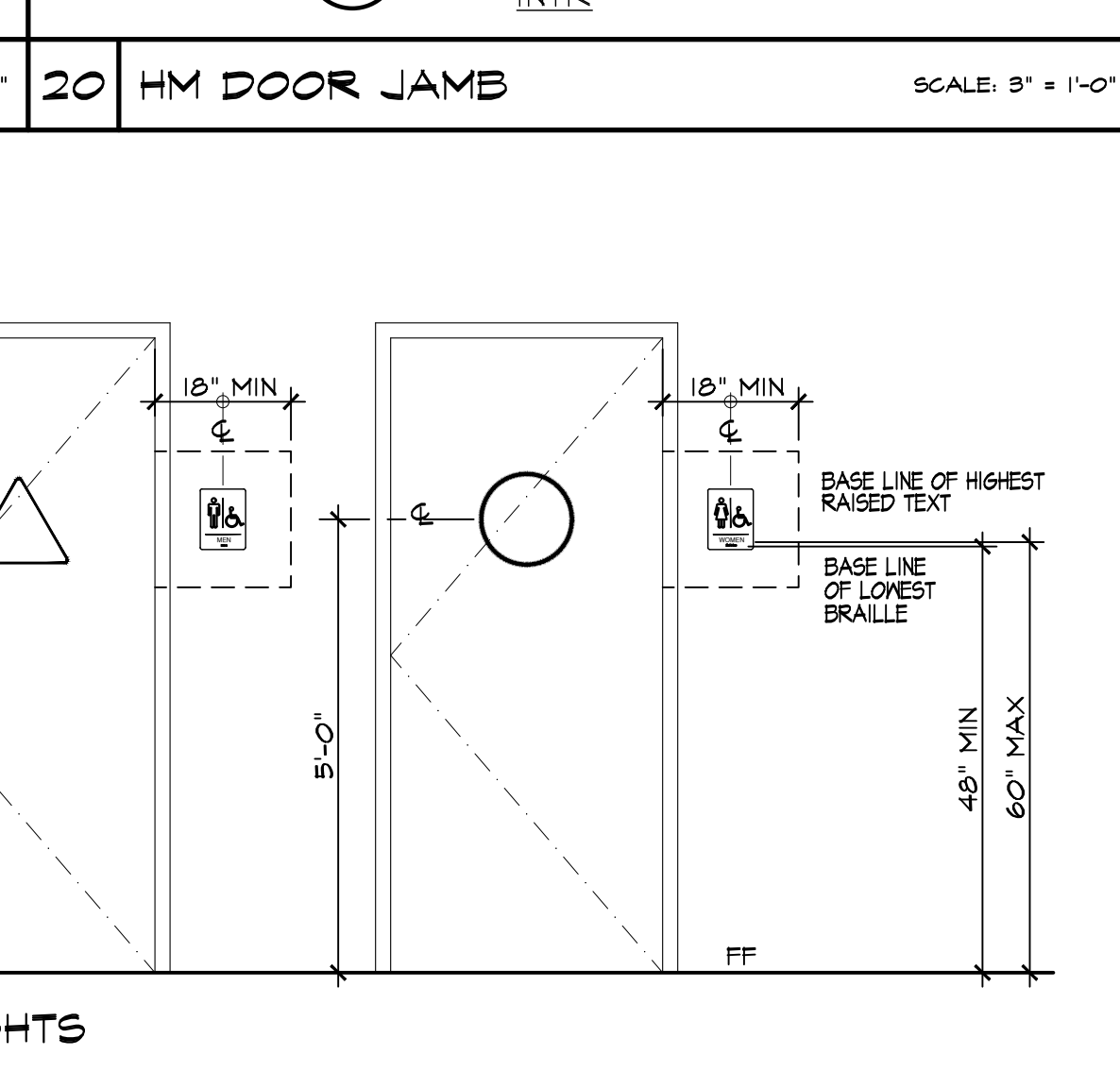
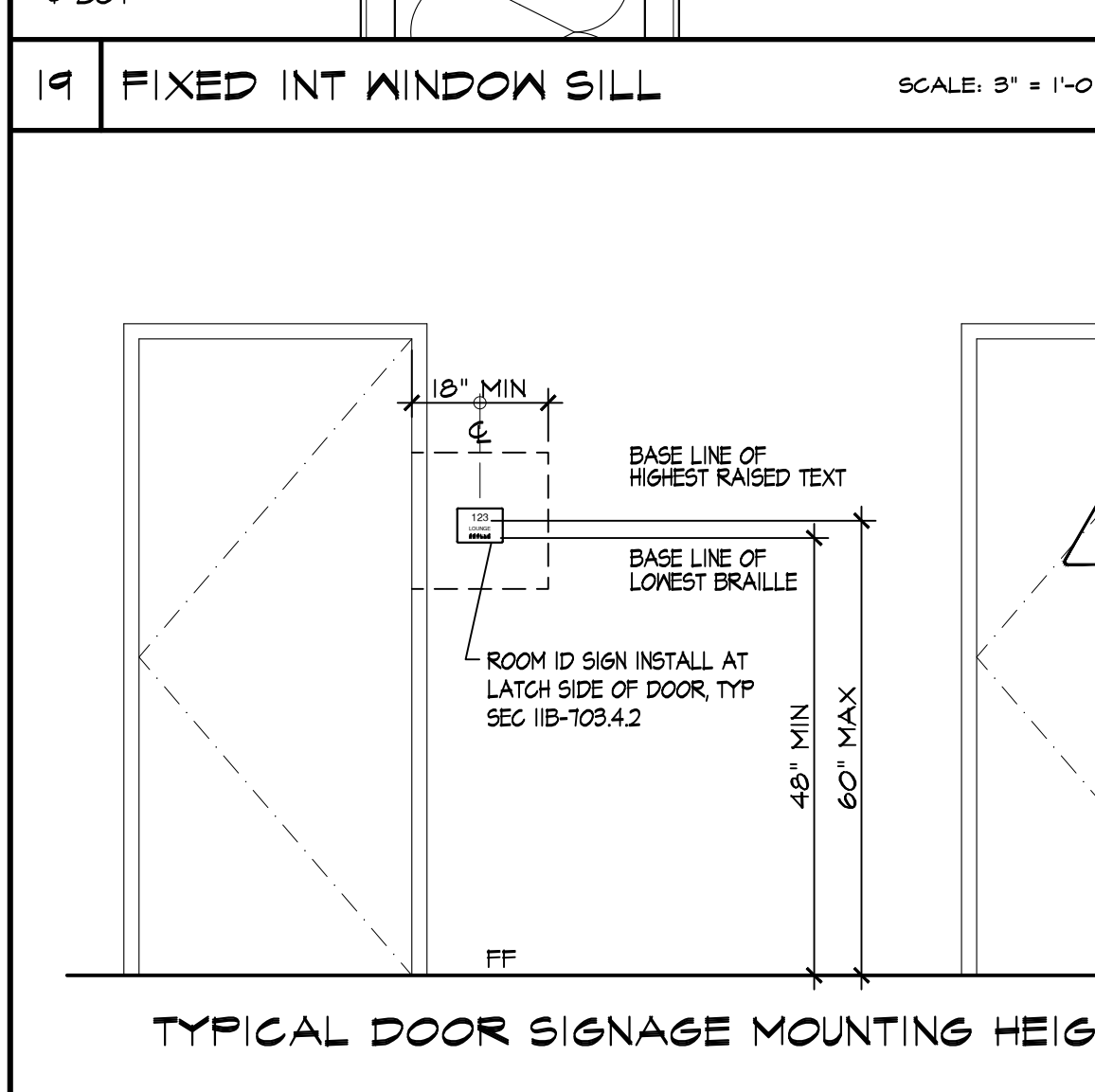
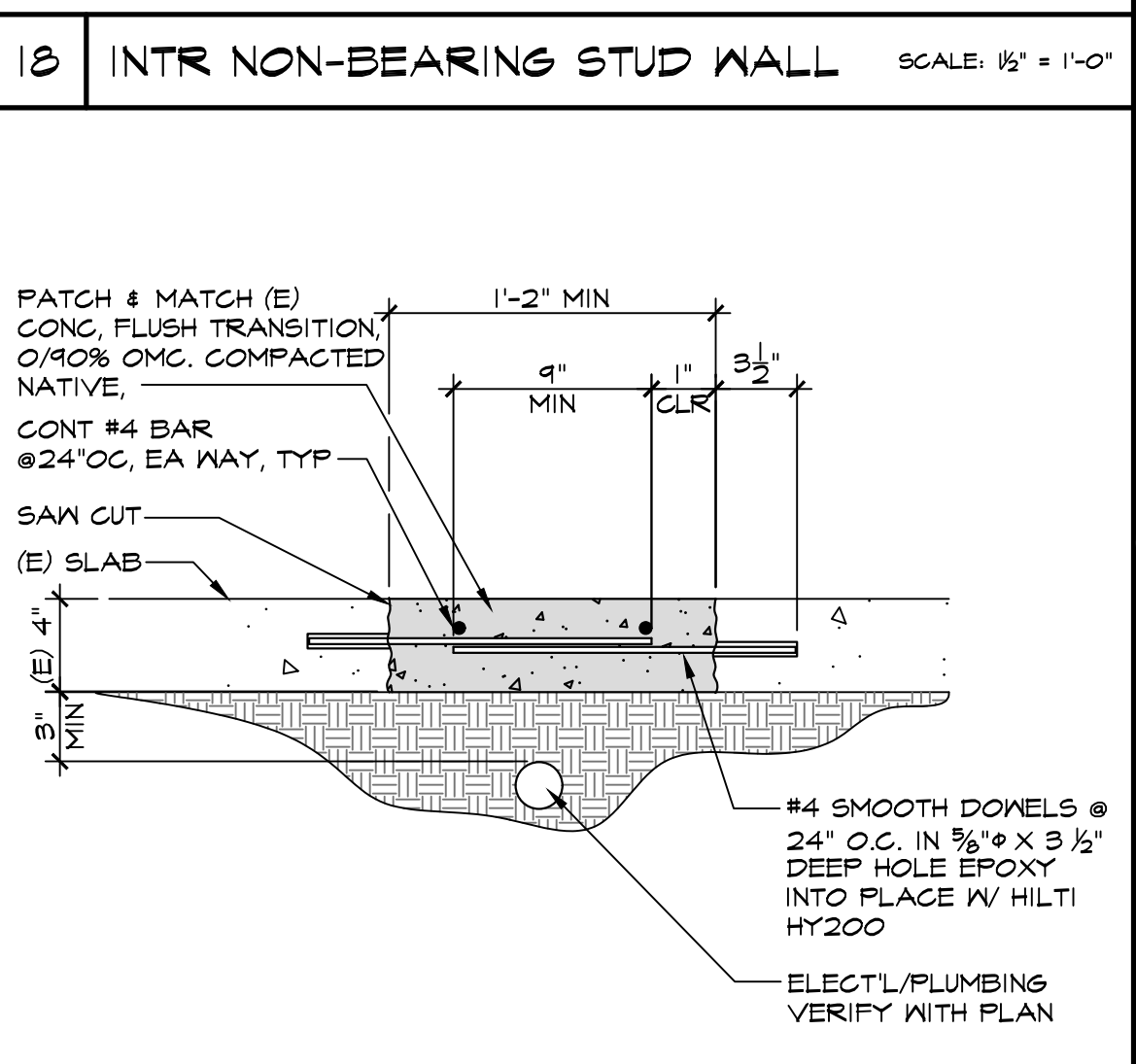
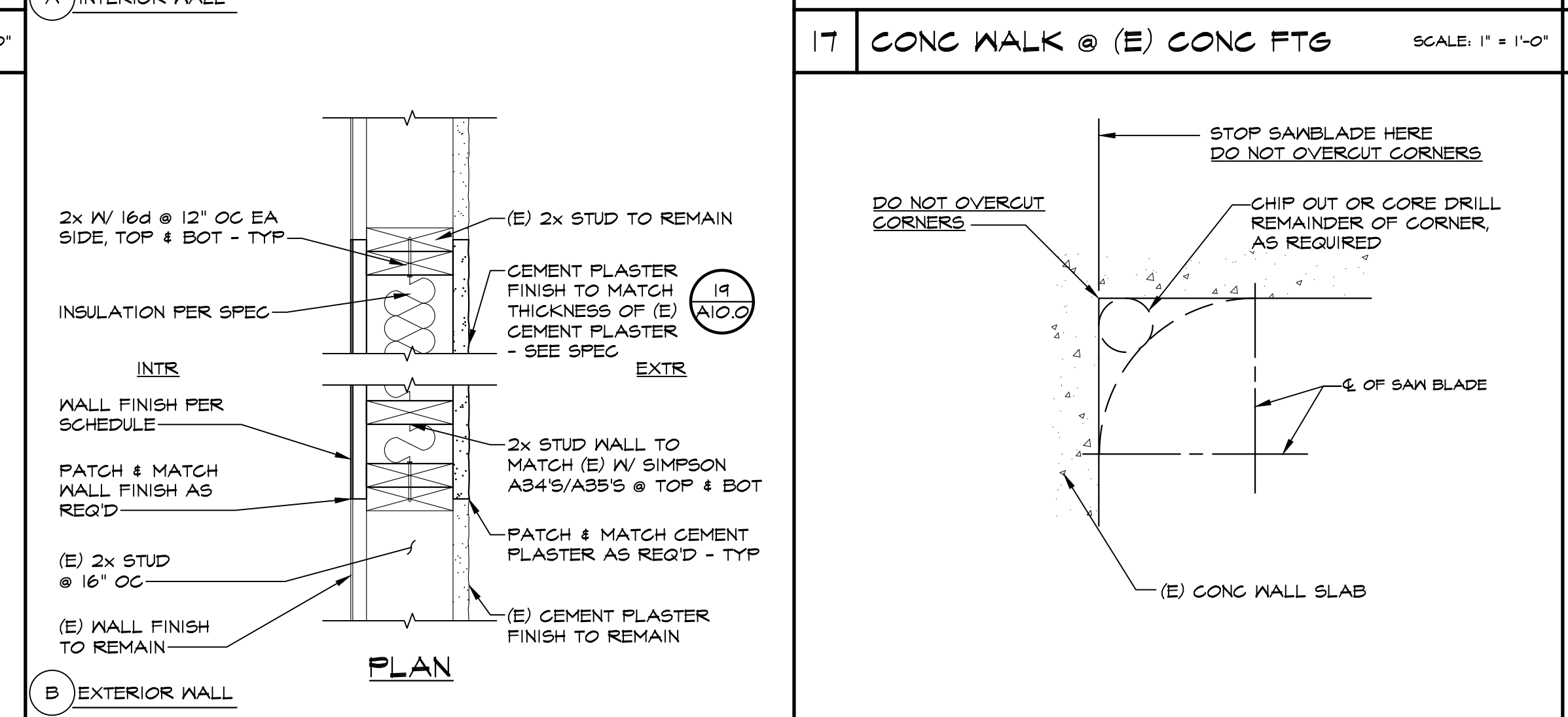
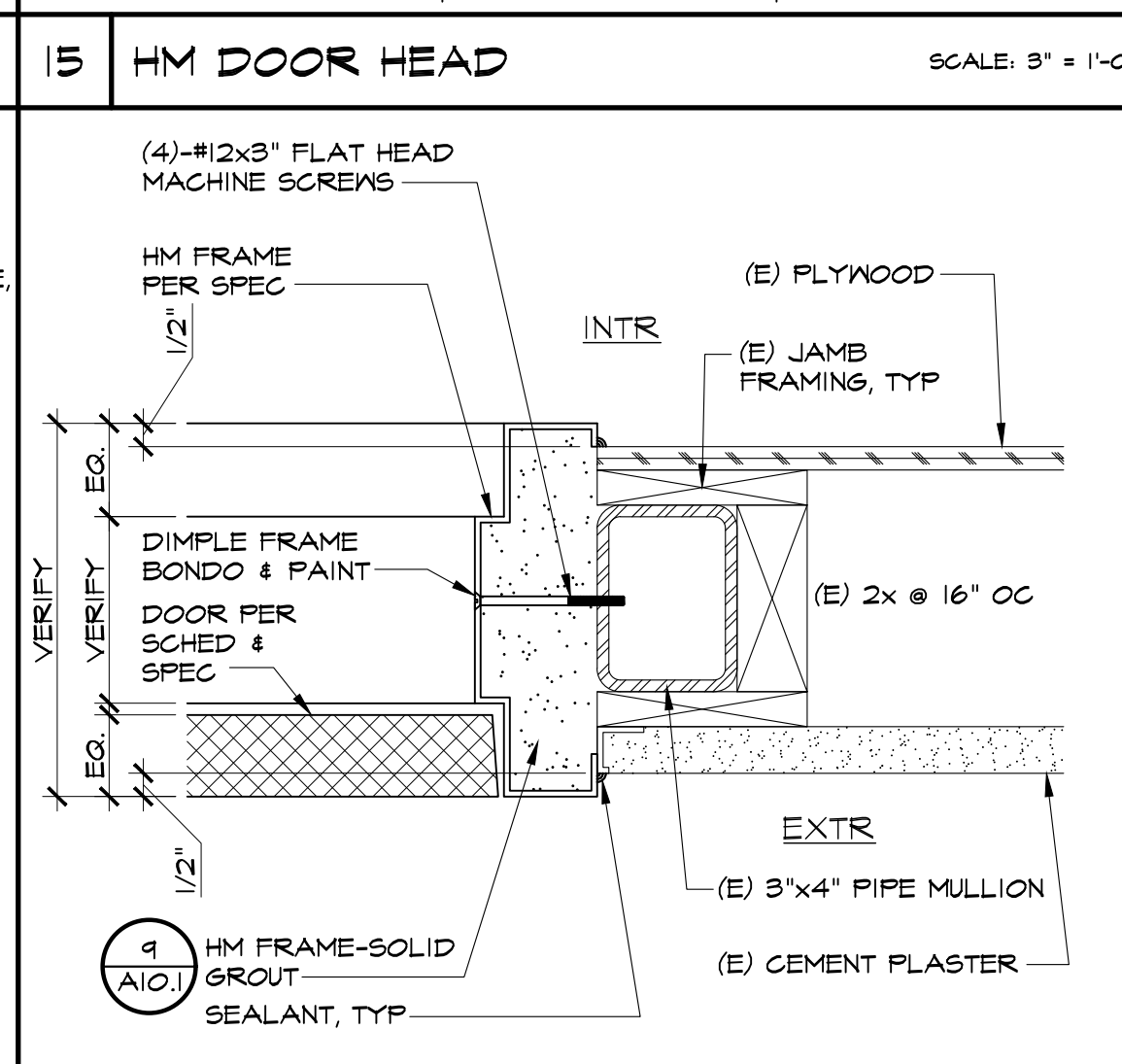
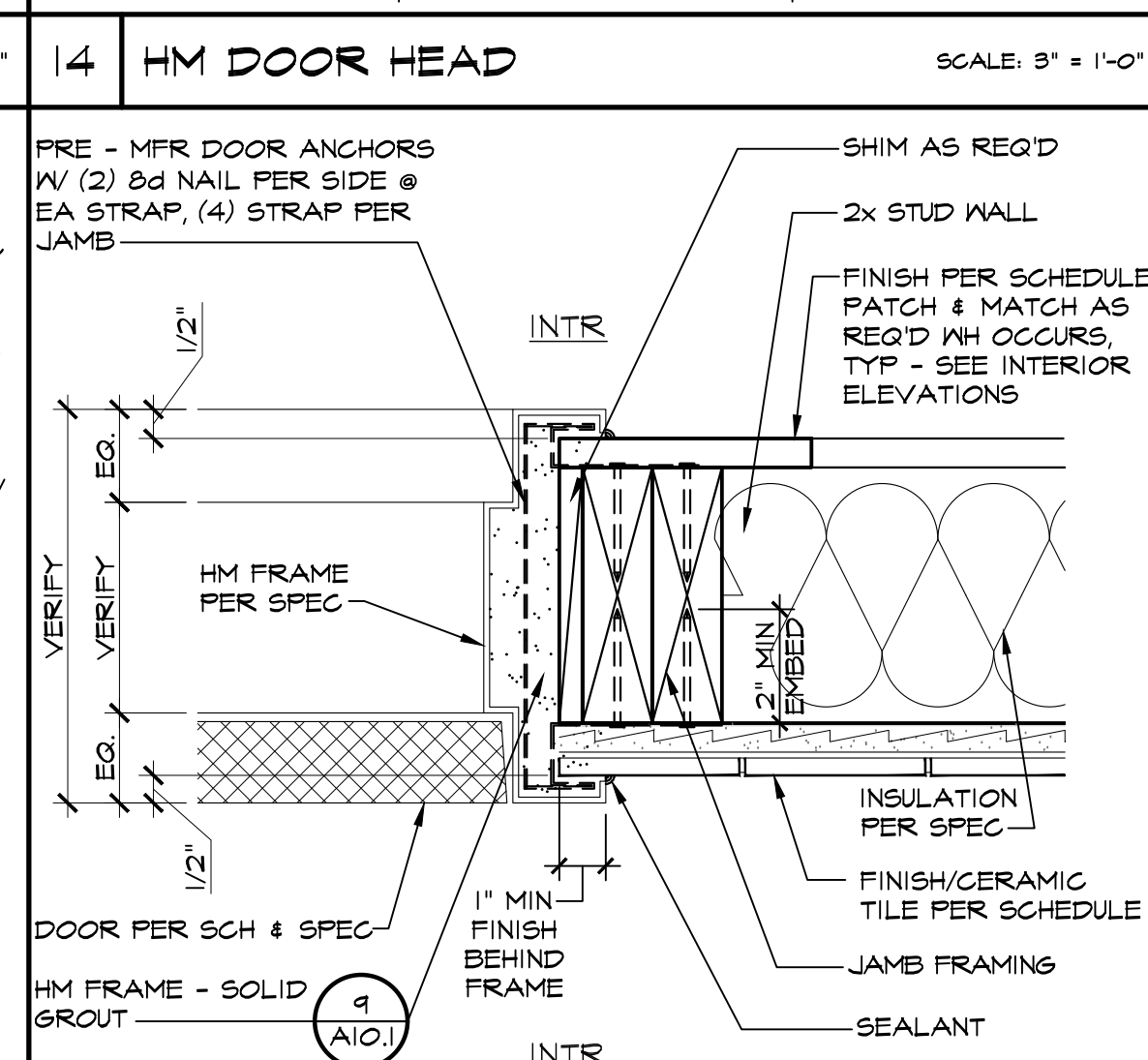
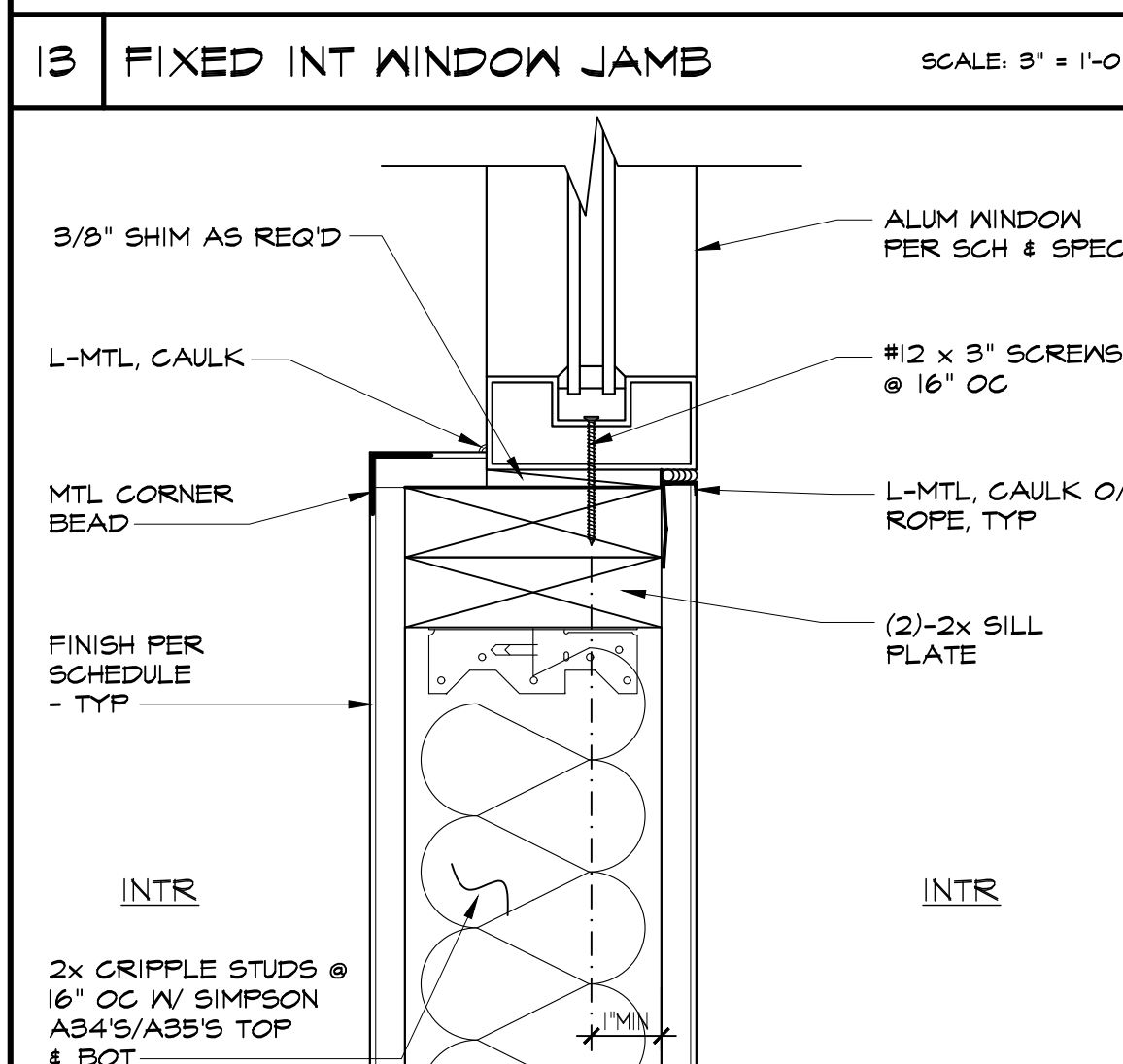
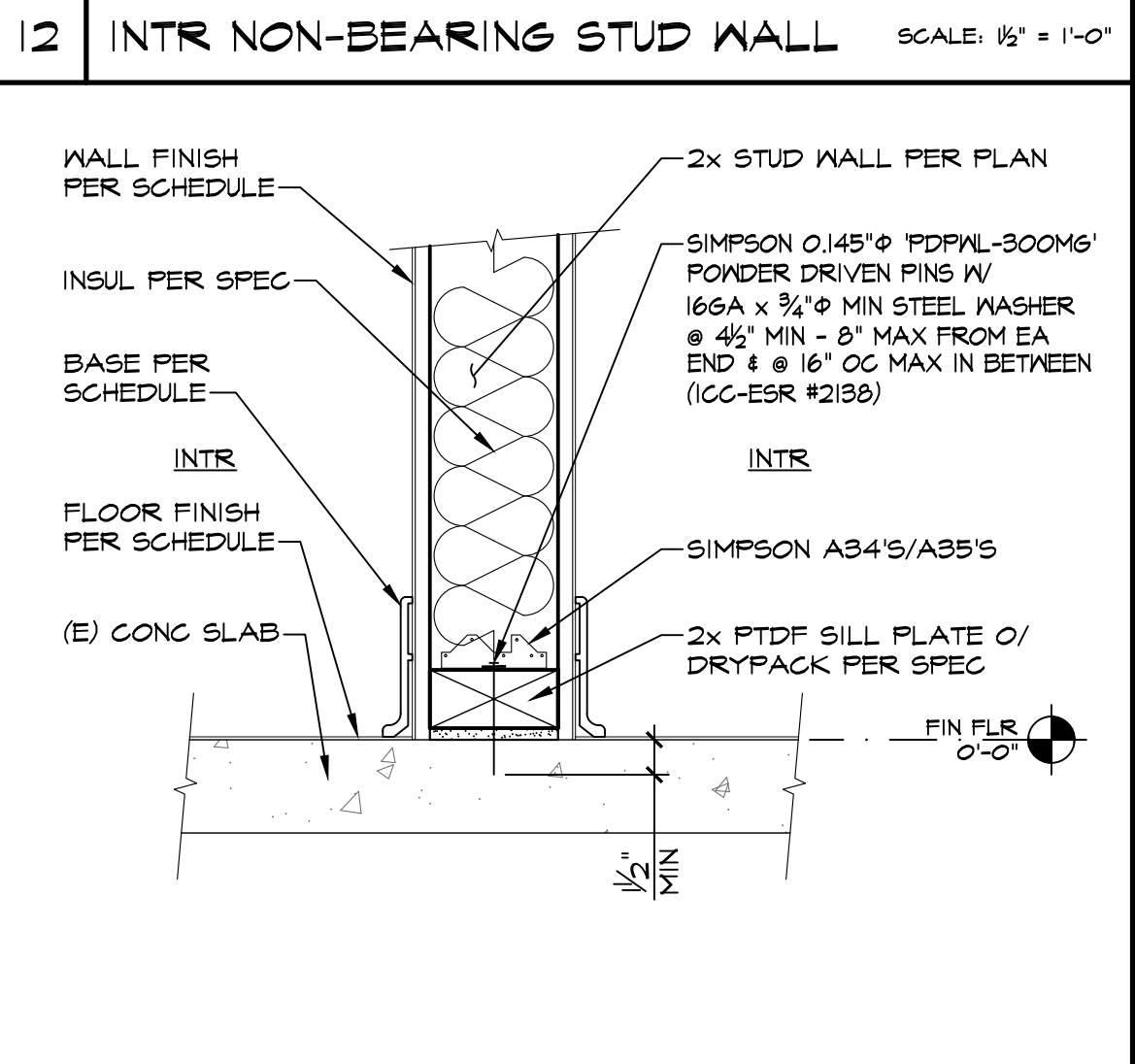
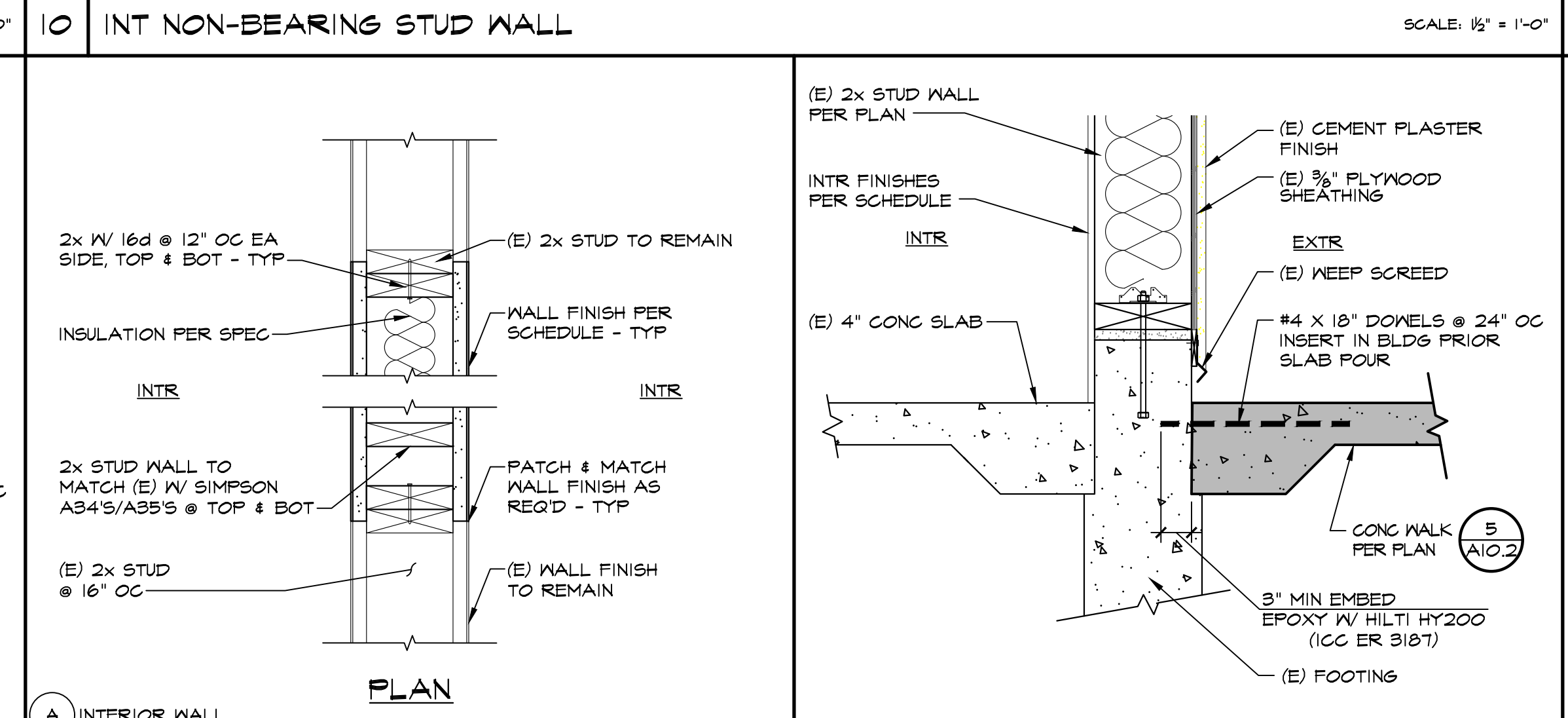
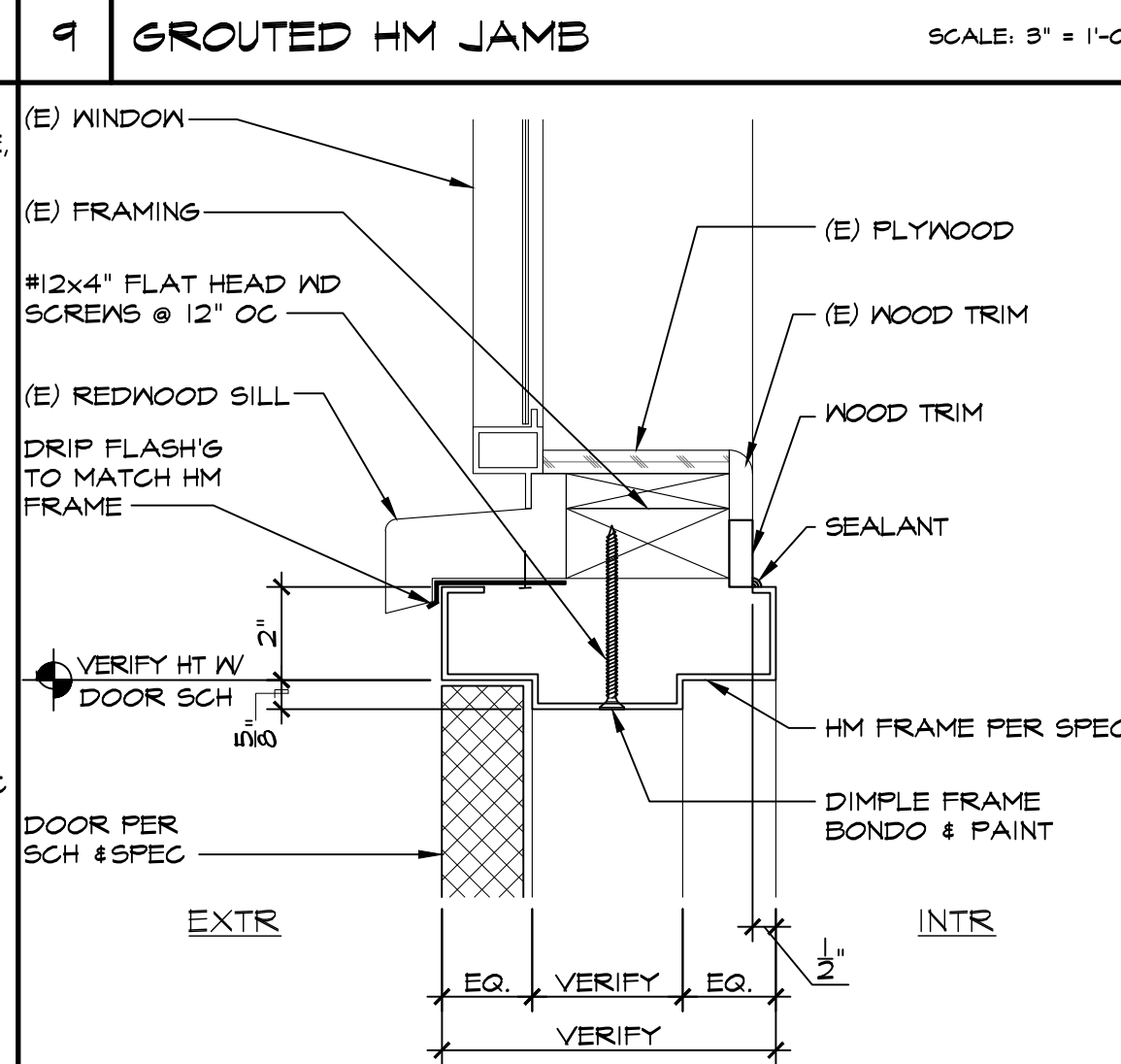
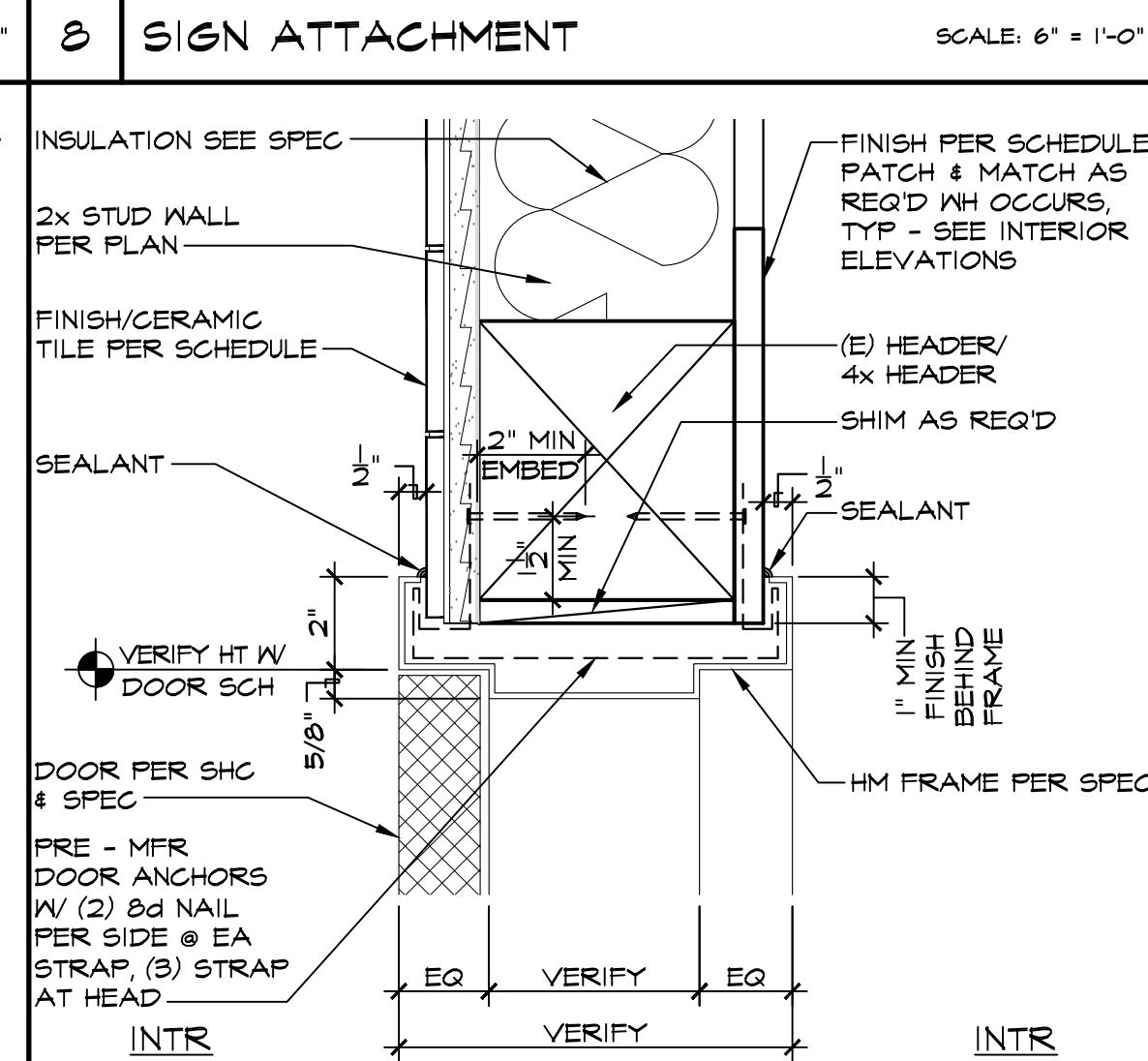
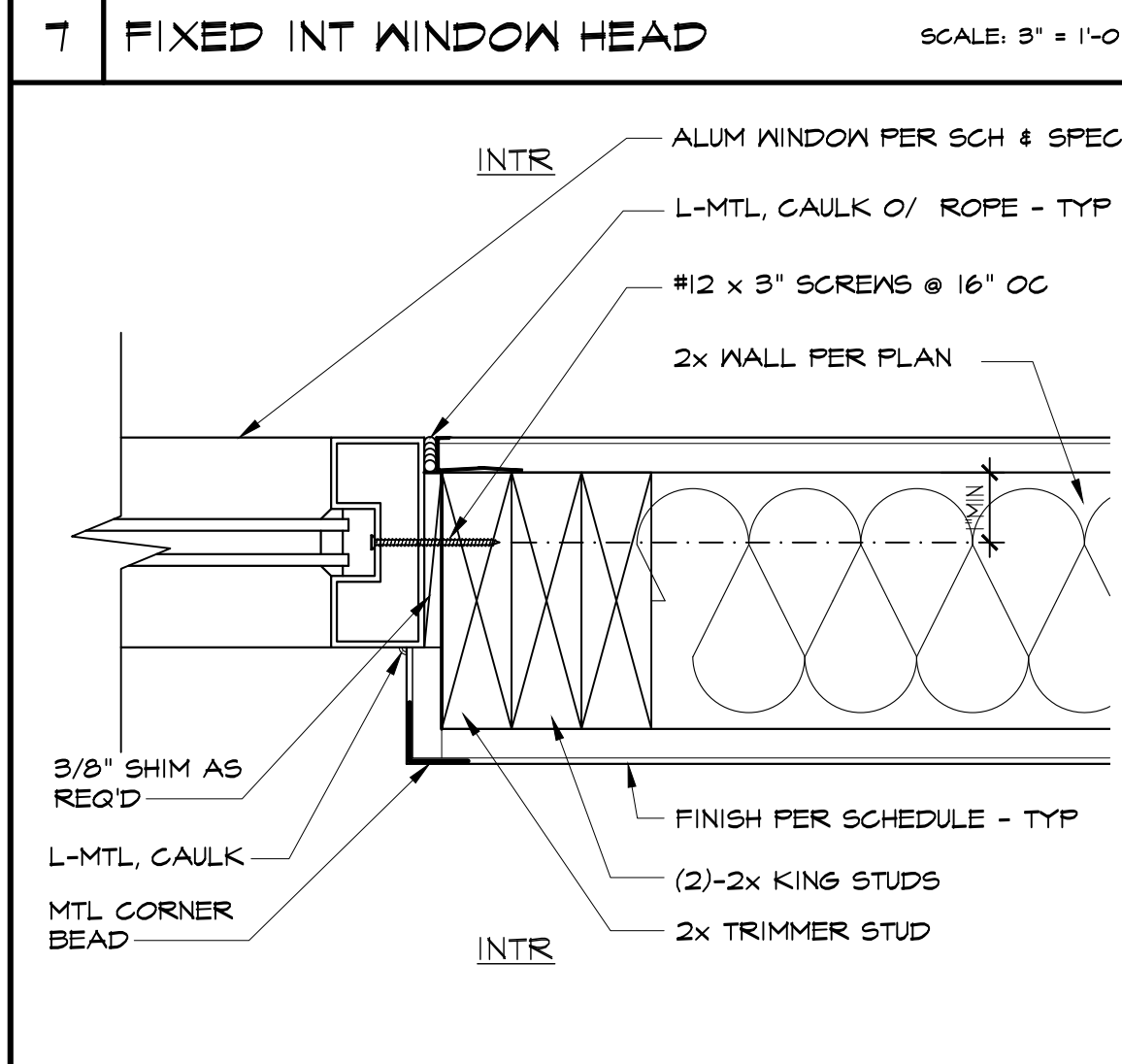
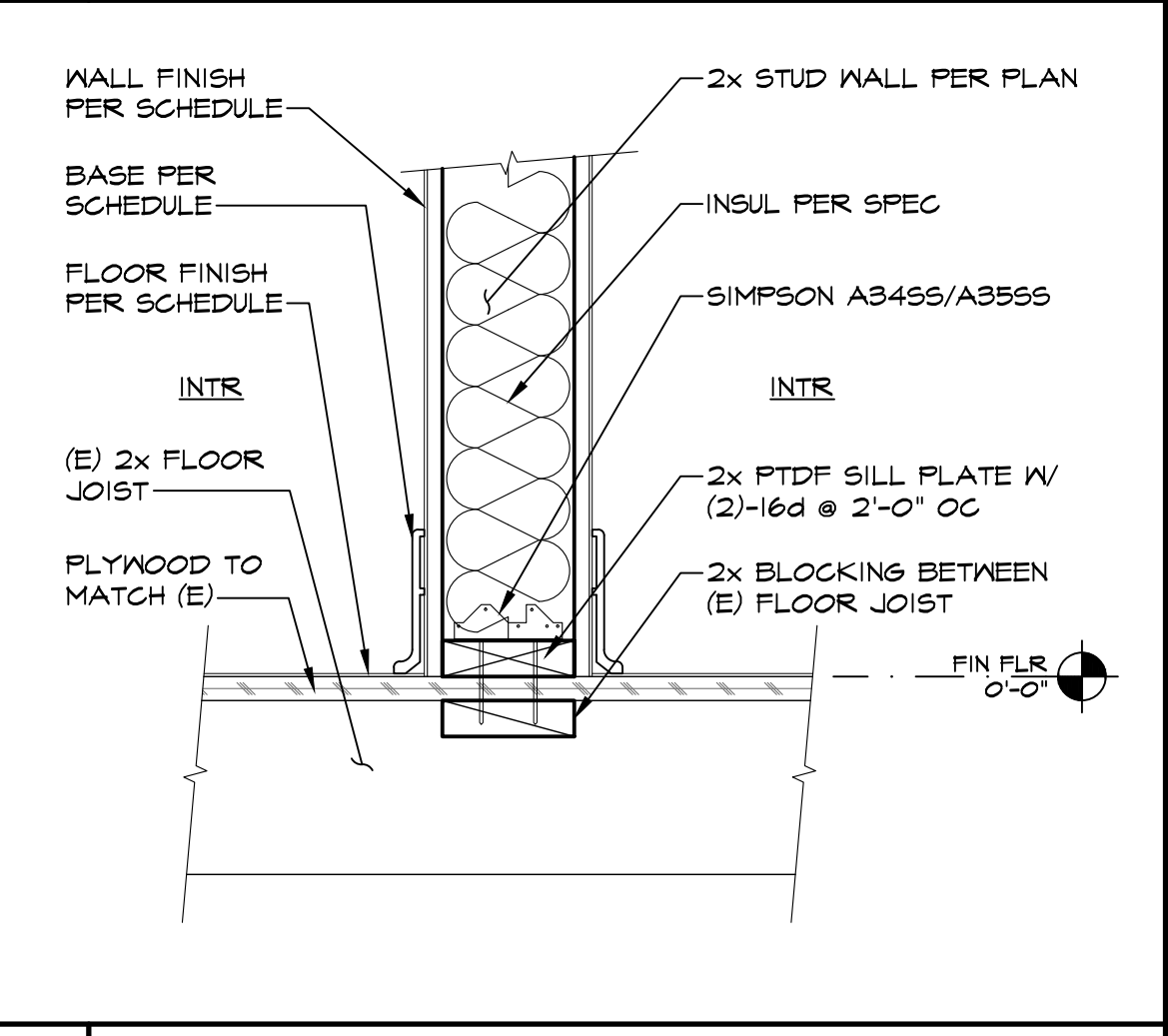
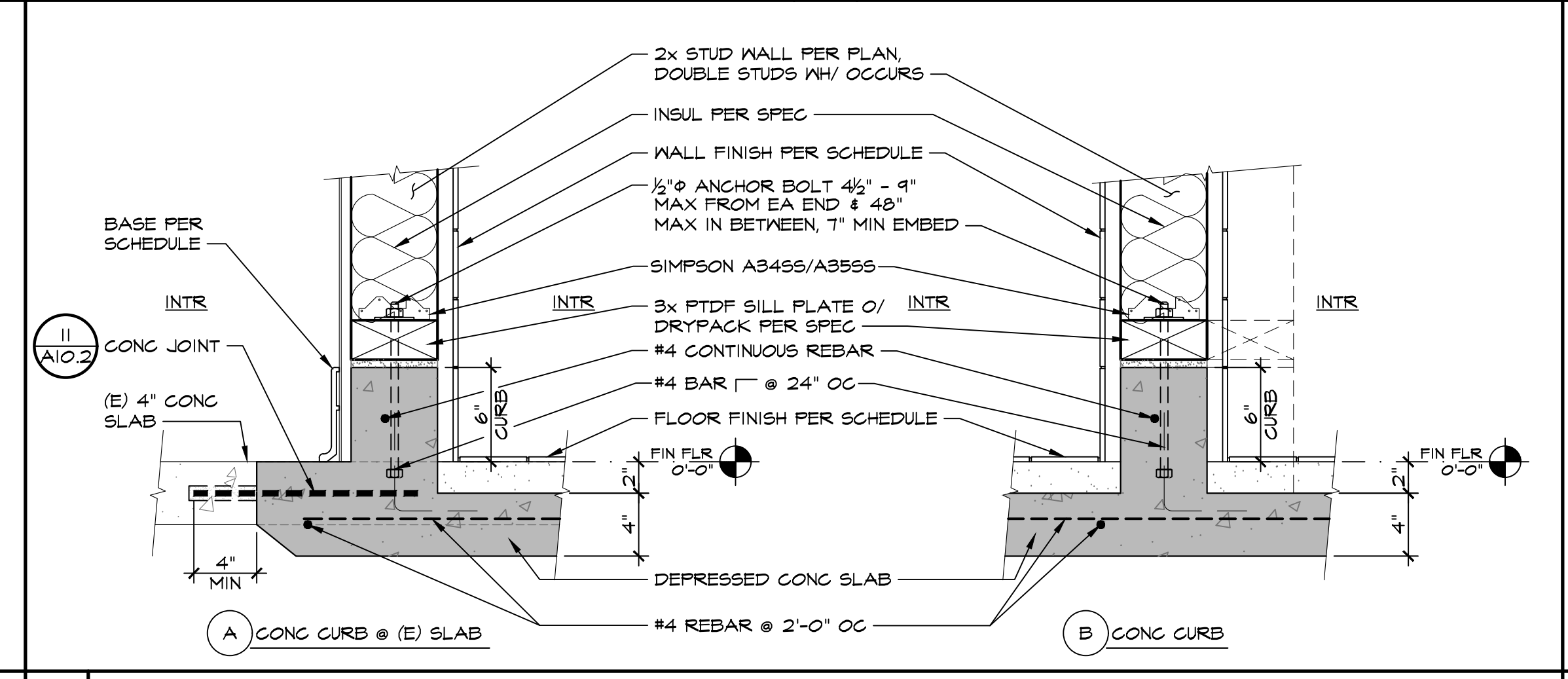
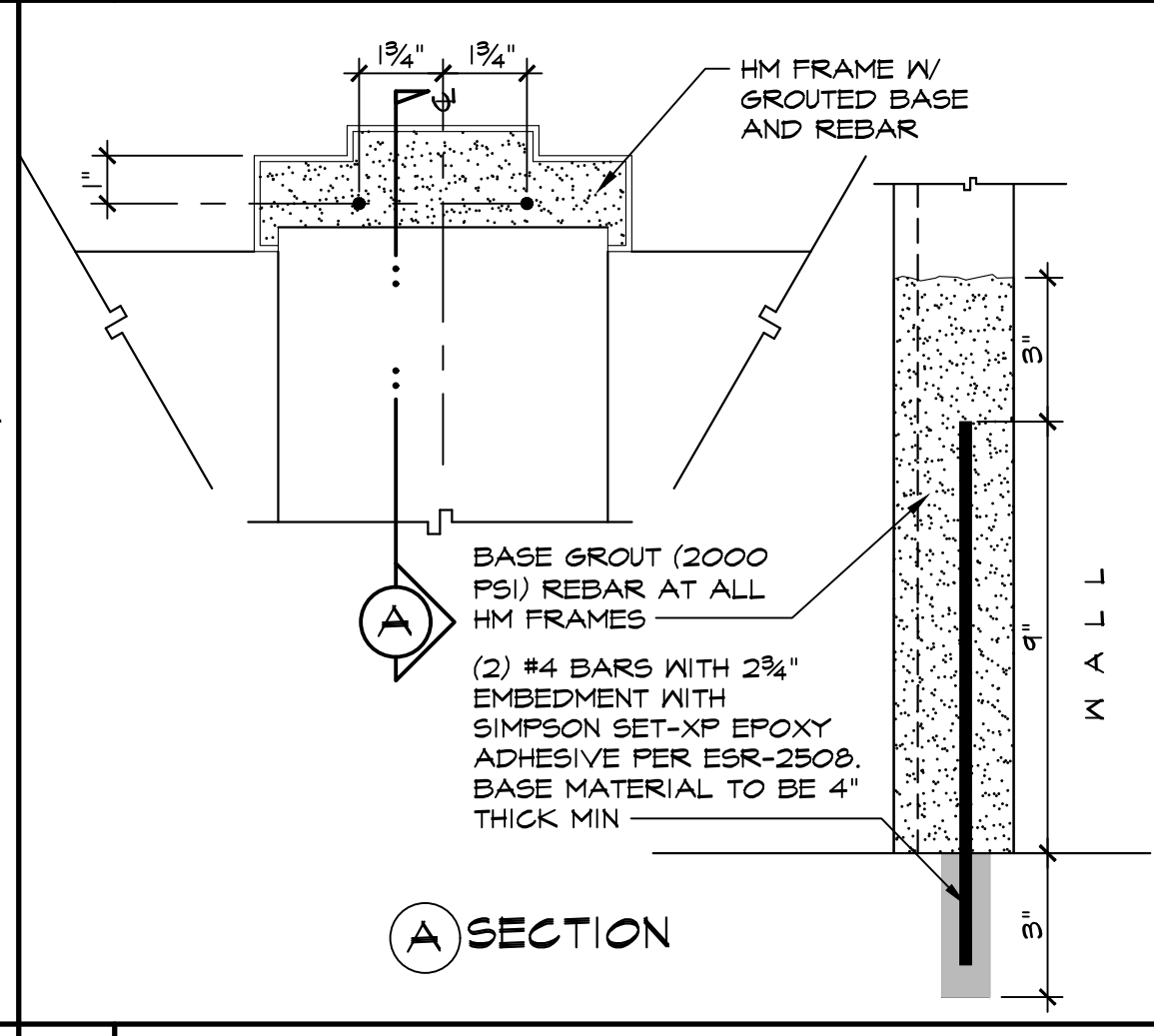
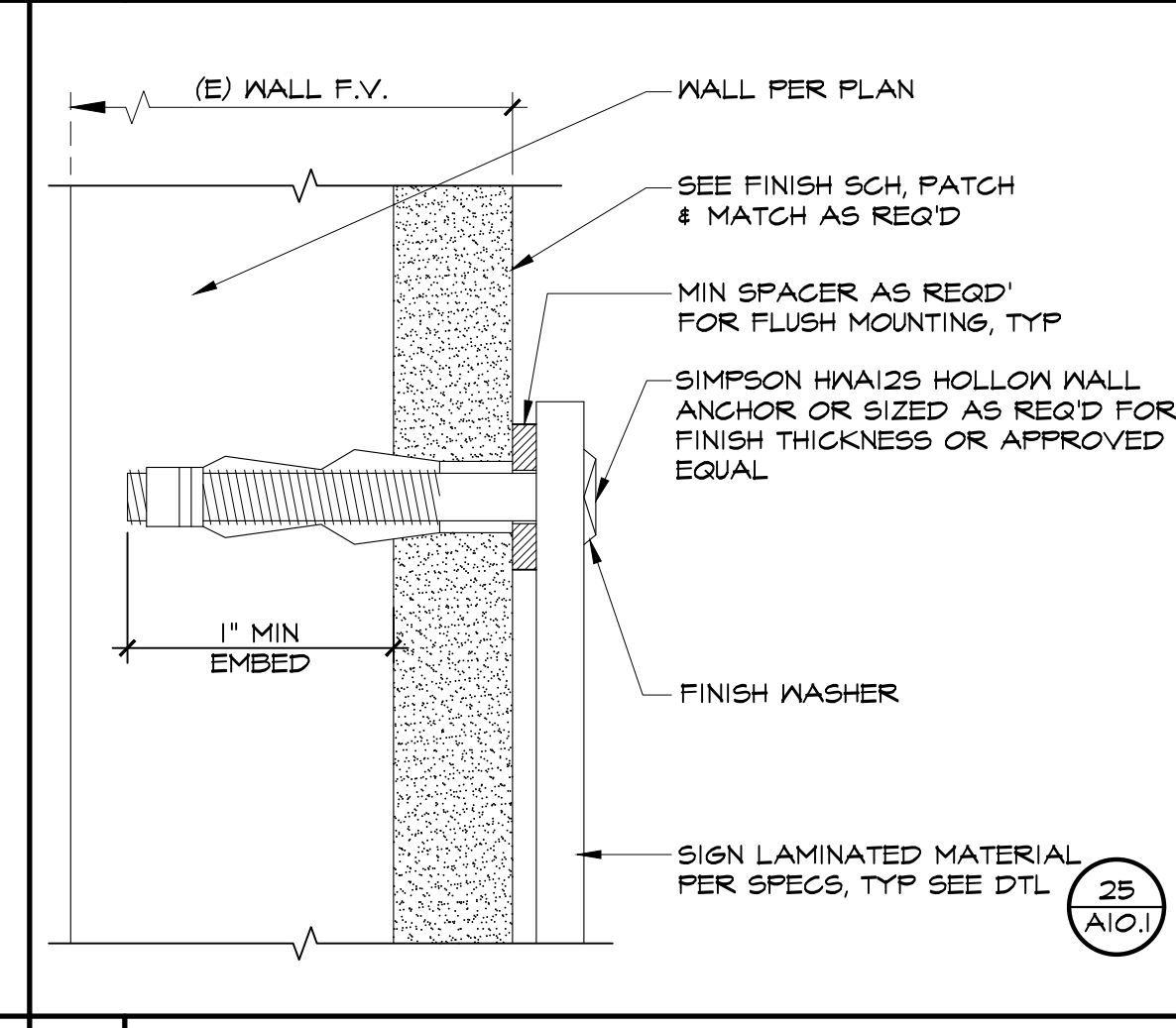
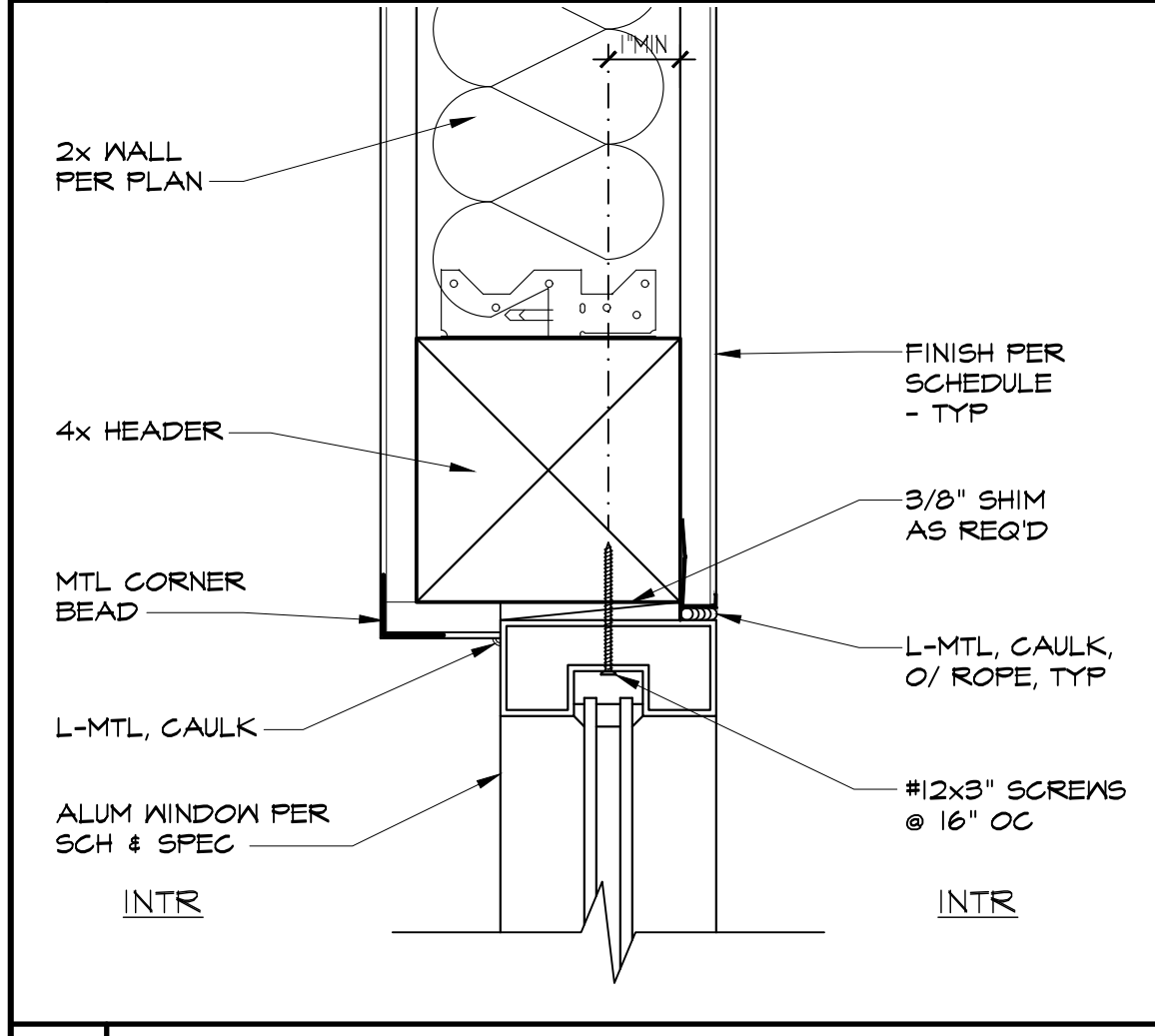
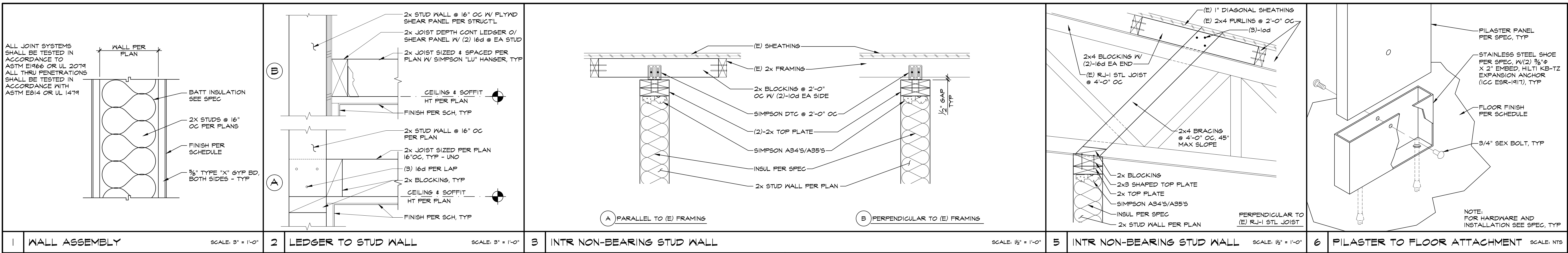
REGISTERED ARCHITECT
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STEPHEN W. SCAR, ARCHITECT, LEED® AP

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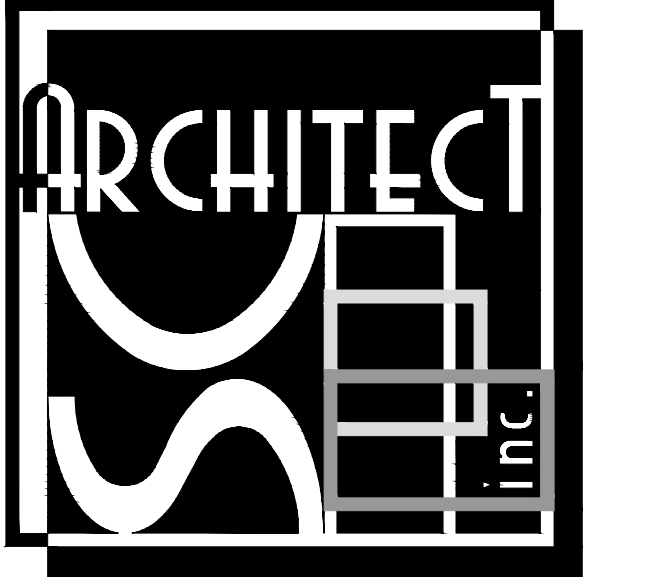
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DRAWN: ED, FS
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DATE: 4/24/23

10.0
19 OF 67 SHEETS

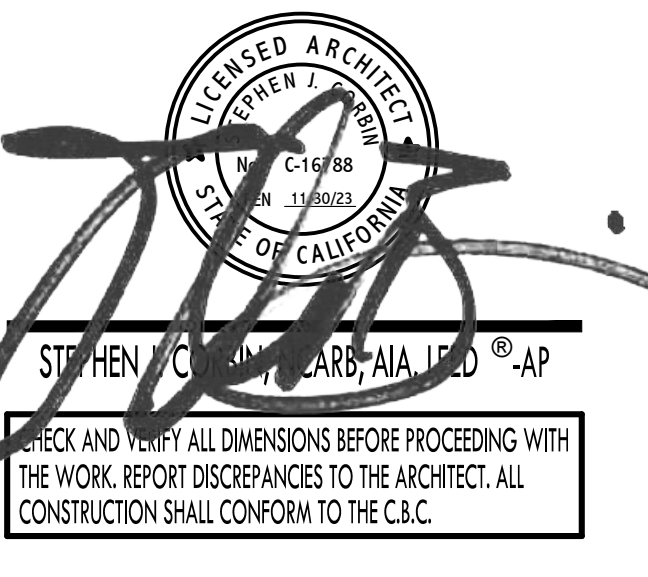


IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122920 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/05/2023
 PIN: 63321-389 FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
 MODERNIZATION
 2324 VERDE STREET
 FOR
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
 BAKERSFIELD, CA 93309
 PH: (661) 397-4377
 FAX: (661) 397-4378
 WWW.SCARCHITECT.COM

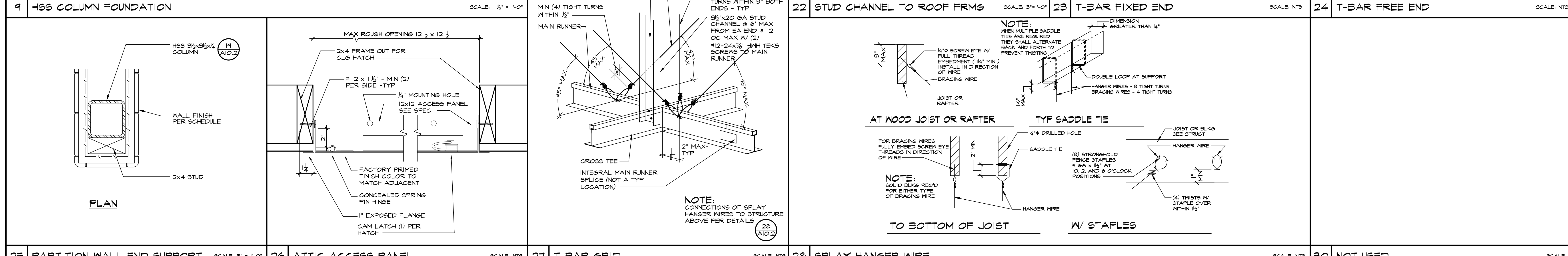
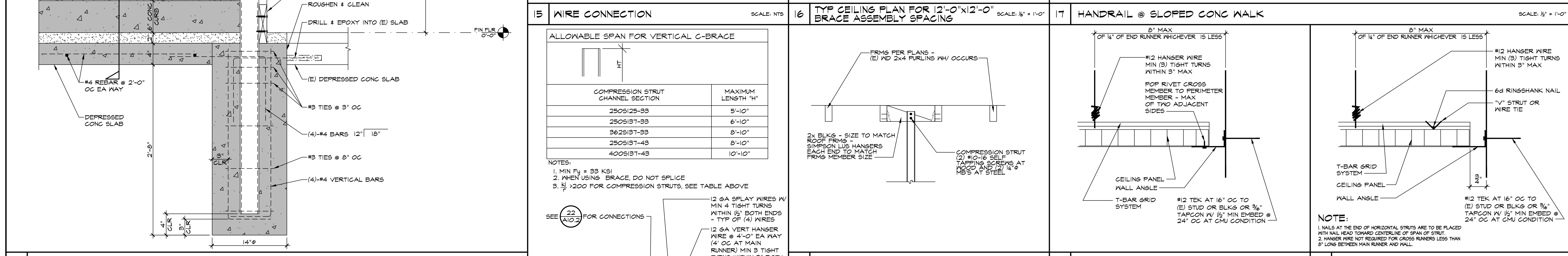
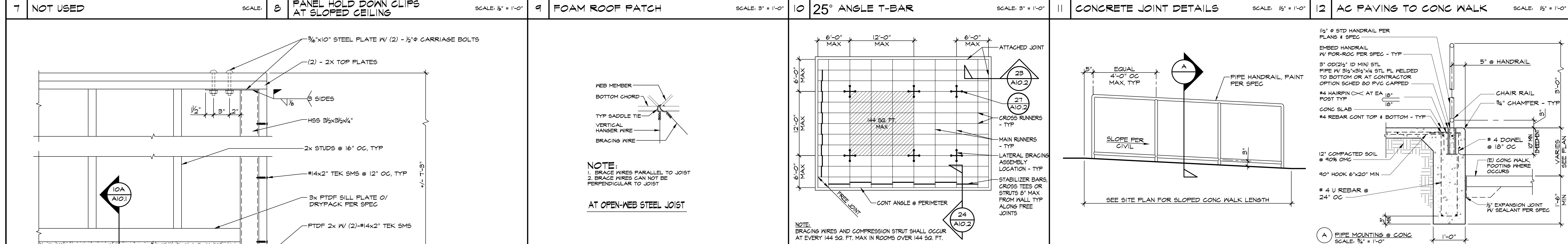
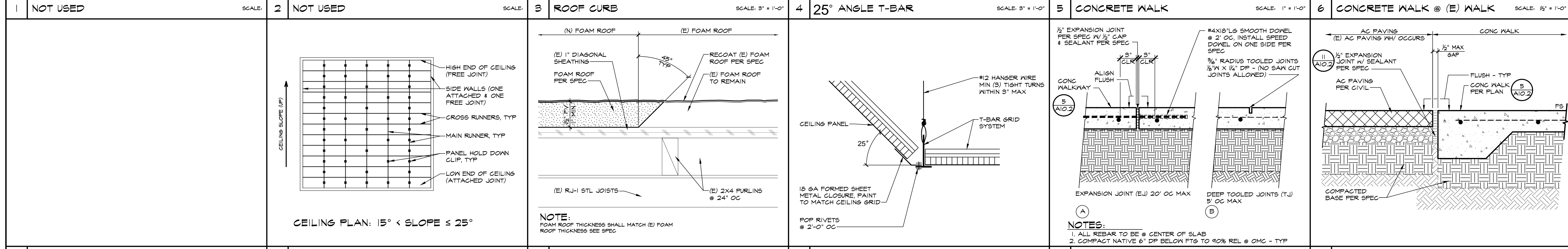
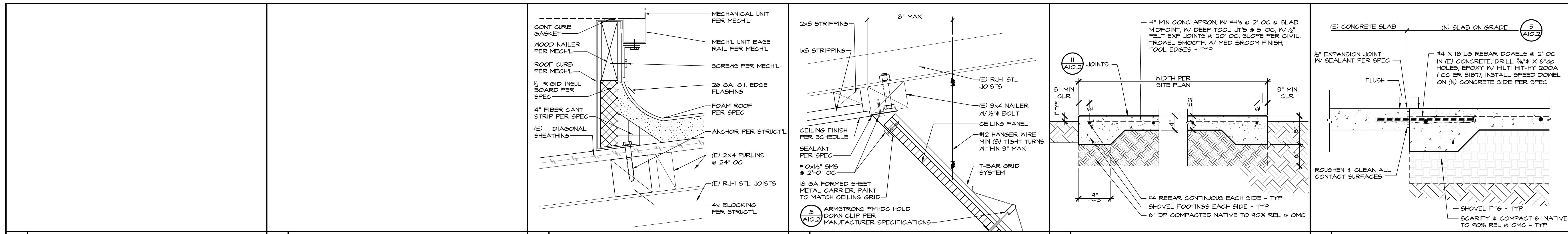


DETAILS

MARK	DATE	REVISIONS

JOB NO. 1317
 DRAWN: ED, FS
 CHECKED: BCW
 DATE: 4/24/23

10.1
 20 OF 67 SHEETS



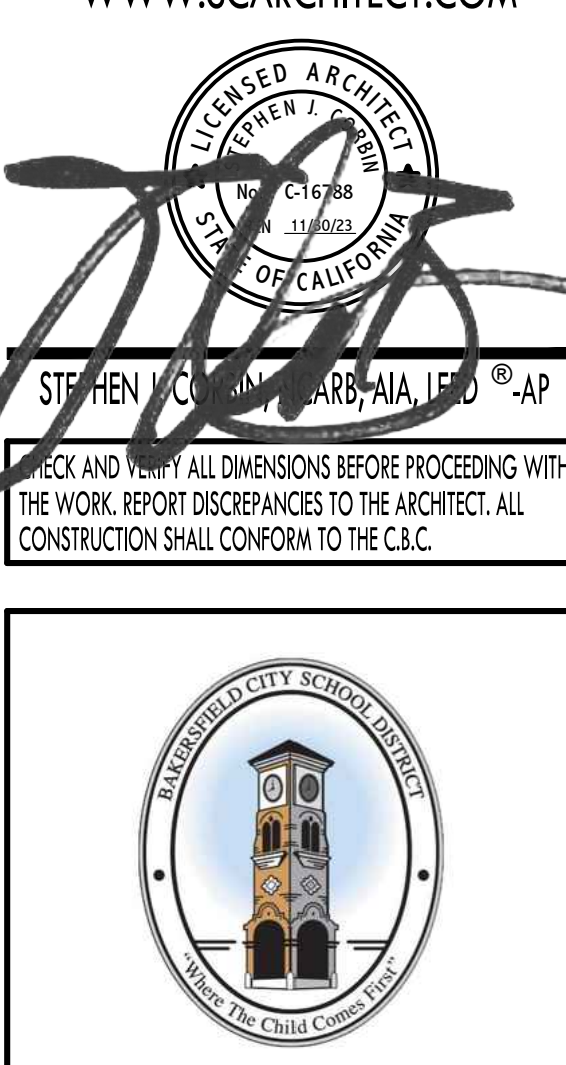
IDENTIFICATION STAMP
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APP: 03-122920 INC.
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ROOSEVELT ELEMENTARY SCHOOL
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DETAILS

MARK	DATE	REVISIONS

JOB NO.
1317
DRAWN:
ED, FS
CHECKED:
BCW
DATE:
4/24/23

10.2
21 OF 67 SHEETS



ROOF FRAMING PLAN - BUILDING D
1/8" = 1'-0"

ROOF FRAMING PLAN - BUILDING C
1/8" = 1'-0"

ROOF FRAMING PLAN - BUILDING B
1/8" = 1'-0"

FOR (E) BUILDING
'E' ROOF FRAMING
SEE SHEET S2.1

FRAMING NOTES

- REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEETS S0.1 AND S5.0.
- REFER TO AND CHECK WITH ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- REFER TO AND CHECK WITH MECHANICAL DRAWINGS FOR DUCT OPENINGS, EQUIPMENT SIZE AND LOCATION, ETC. LOCATE SUPPORTING MEMBERS ACCORDINGLY.
- HATCHED AREA INDICATES MECHANICAL UNIT. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- INDICATES MECHANICAL UNIT. SEE SCHEDULE ON THIS SHEET FOR EQUIPMENT WEIGHTS. COORDINATE WITH MEP DRAWINGS, TYPICAL.

ROOF EQUIPMENT WEIGHT SCHEDULE	
UNIT MARK	MAX OPER WT + CURB (LBS)
HP-1	950
HP-2	400
HP-3	1000

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REGISTERED ARCHITECT
STEPHEN J. CARB, AIA, LEED AP
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



PARTIAL ROOF FRAMING PLANS

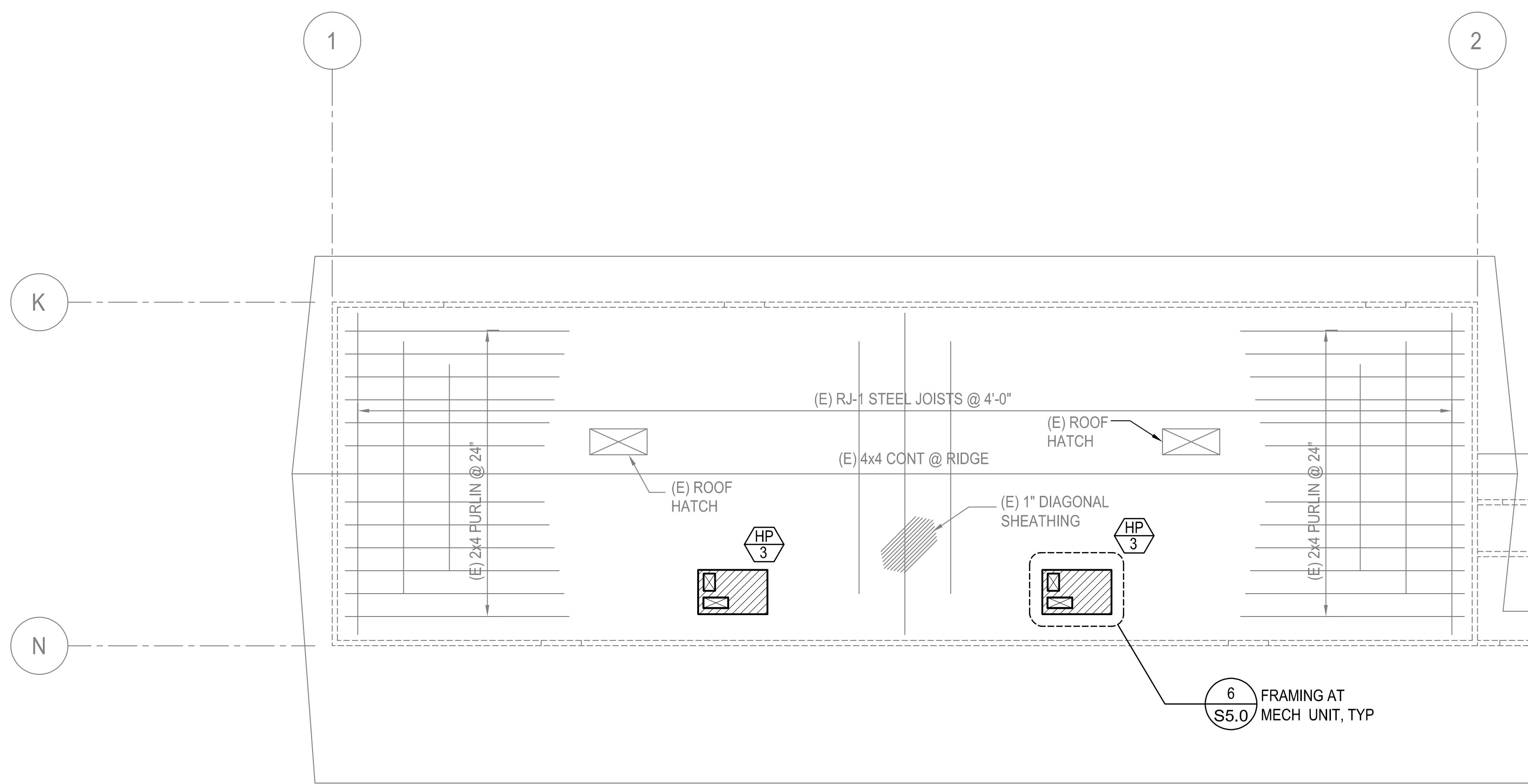
MARK	DATE	REVISIONS

JOB NO. J21323
DRAWN: JAMA
CHECKED: JAMA
DATE: 03/17/23

S
2.0 OF SHEETS

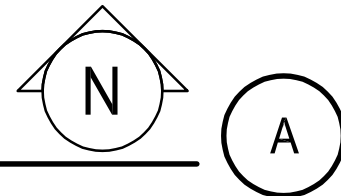
REGISTERED PROFESSIONAL ENGINEER
No. 56869
DATE SIGNED: 03/17/2023

MARTIN & ASSOCIATES
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3094
J21323



ROOF FRAMING PLAN - BUILDING E

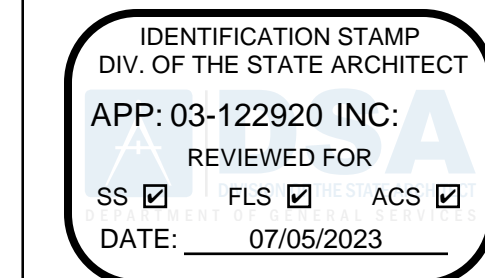
1/8" = 1'-0"



FRAMING NOTES

- REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEETS S0.1 AND S5.0.
- REFER TO AND CHECK WITH ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- REFER TO AND CHECK WITH MECHANICAL DRAWINGS FOR DUCT OPENINGS, EQUIPMENT SIZE AND LOCATION, ETC. LOCATE SUPPORTING MEMBERS ACCORDINGLY.
- HATCHED AREA INDICATES MECHANICAL UNIT. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- HP-X INDICATES MECHANICAL UNIT. SEE SCHEDULE ON THIS SHEET FOR EQUIPMENT WEIGHTS. COORDINATE WITH MEP DRAWINGS, TYPICAL.

ROOF EQUIPMENT WEIGHT SCHEDULE	
UNIT MARK	MAX OPER WT + CURB (LBS)
HP-1	950
HP-2	400
HP-3	1000

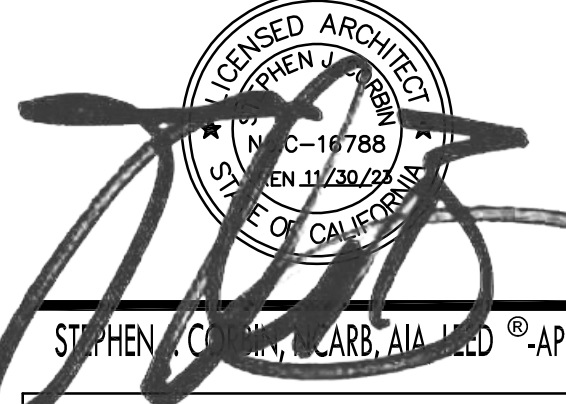


PTN : 63321- FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
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 FOR
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 BAKERSFIELD, KERN COUNTY, CALIFORNIA



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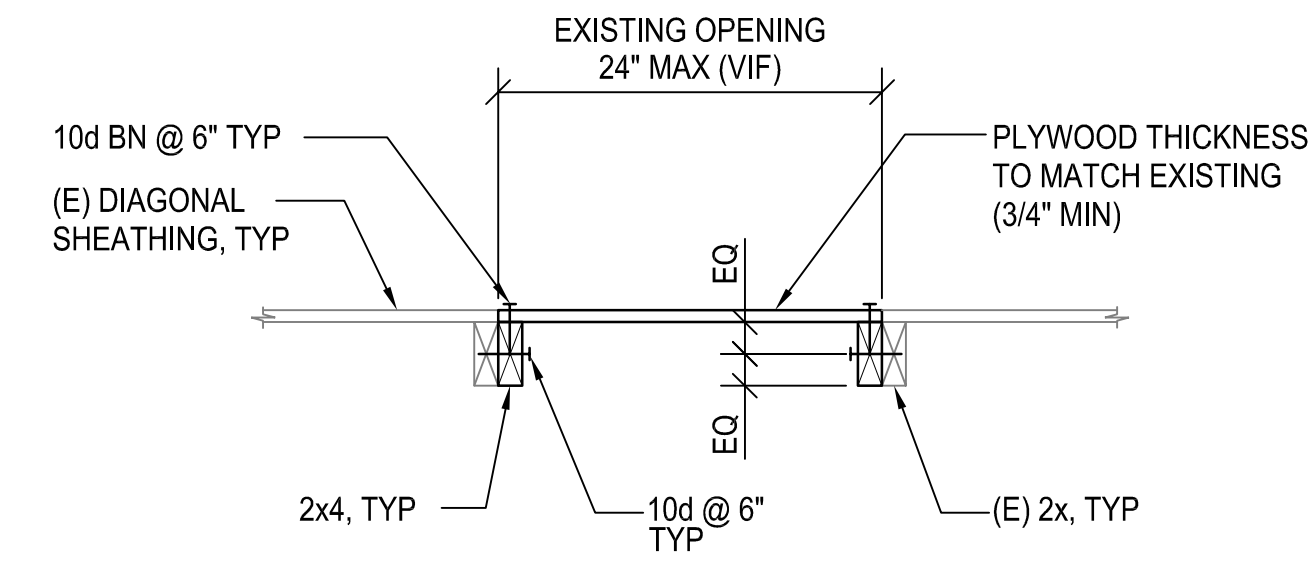
PARTIAL ROOF FRAMING PLAN

MARK	DATE	REVISIONS
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JOB NO. J21323	S 2.1 OF SHEETS
DRAWN : JAMA	
CHECKED : JAMA	
DATE: 03/17/23	



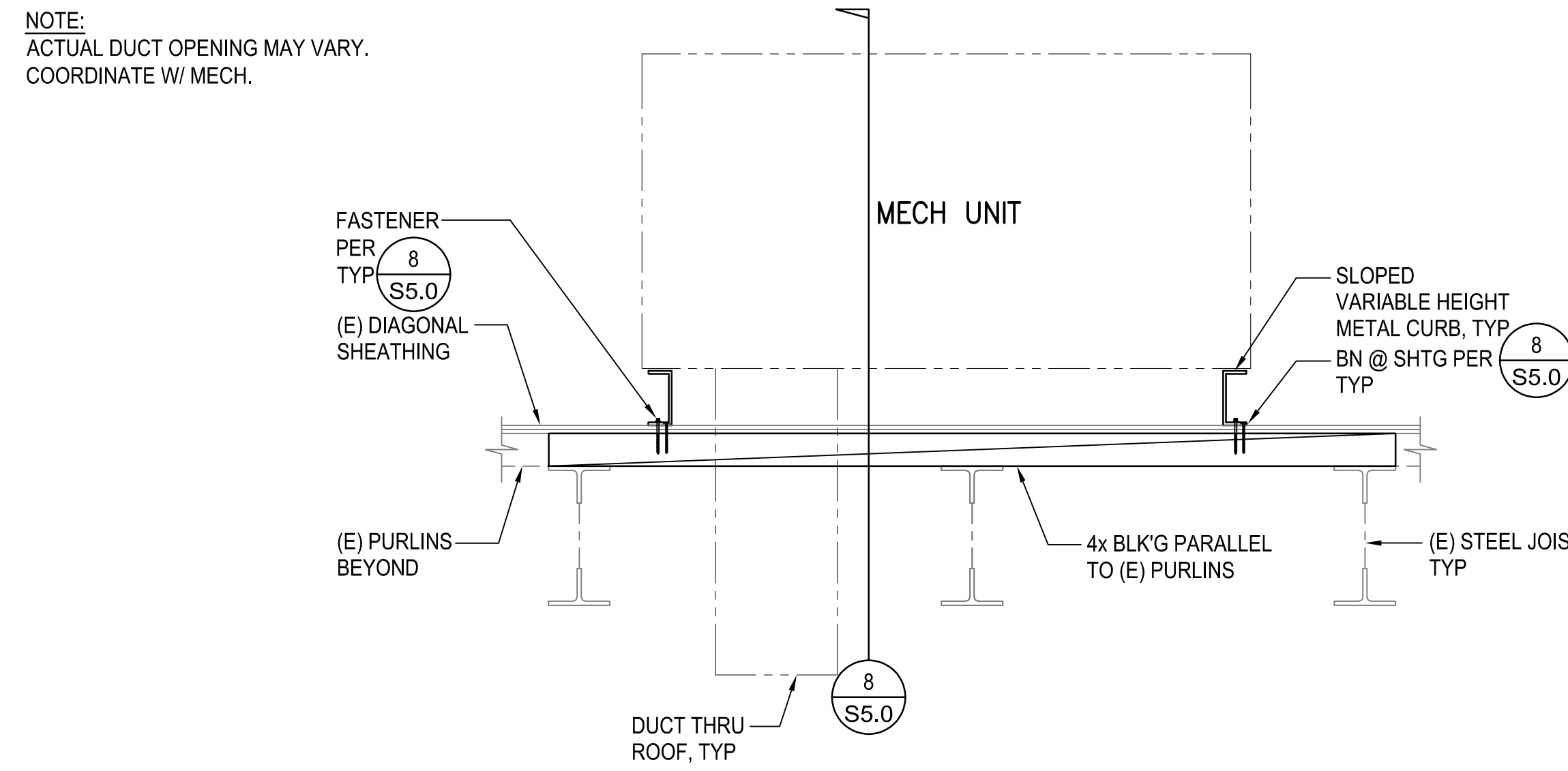
MARTIN & ASSOCIATES
 JOHN A. MARTIN
 Structural Engineers
 950 S. Grand Avenue
 Los Angeles, Calif. 90015
 Phone (213) 483-6490
 Fax (213) 483-3094
 J21323



EXISTING VENT OPENING INFILL DETAIL

1" = 1'-0"

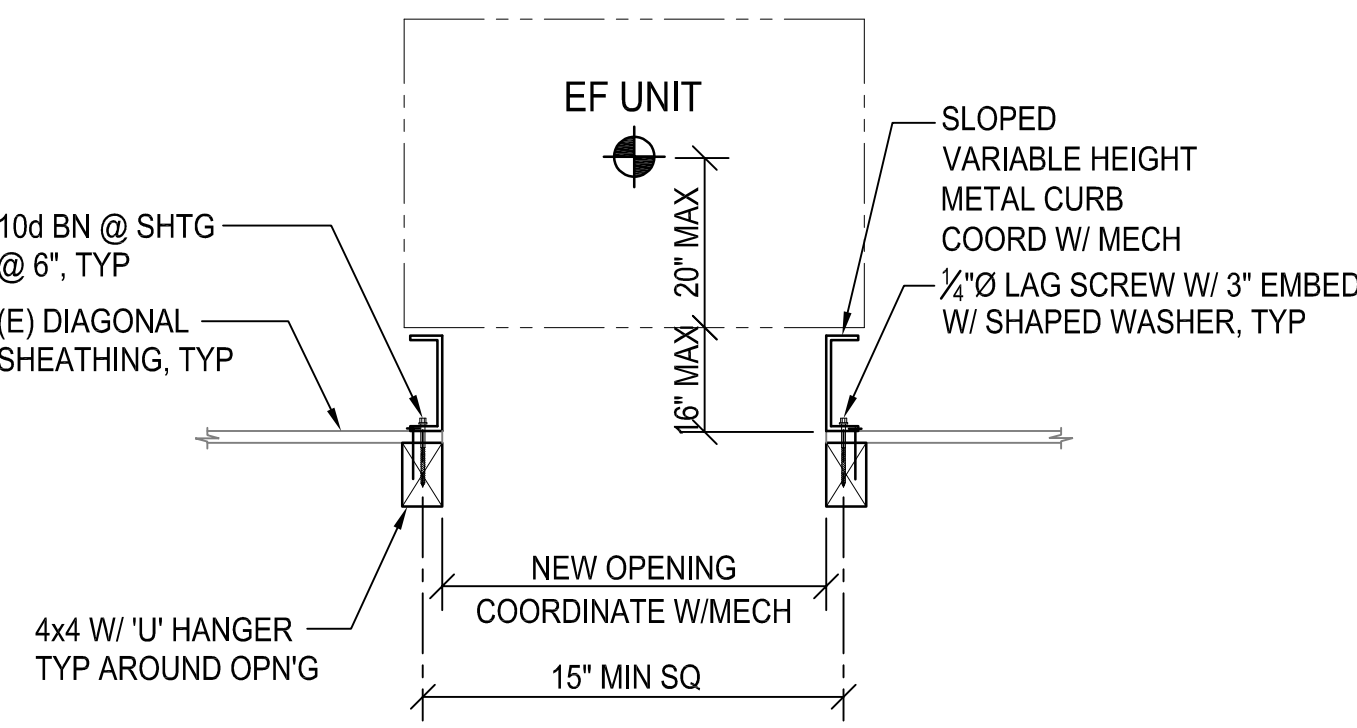
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SECTION

3/4" = 1'-0"

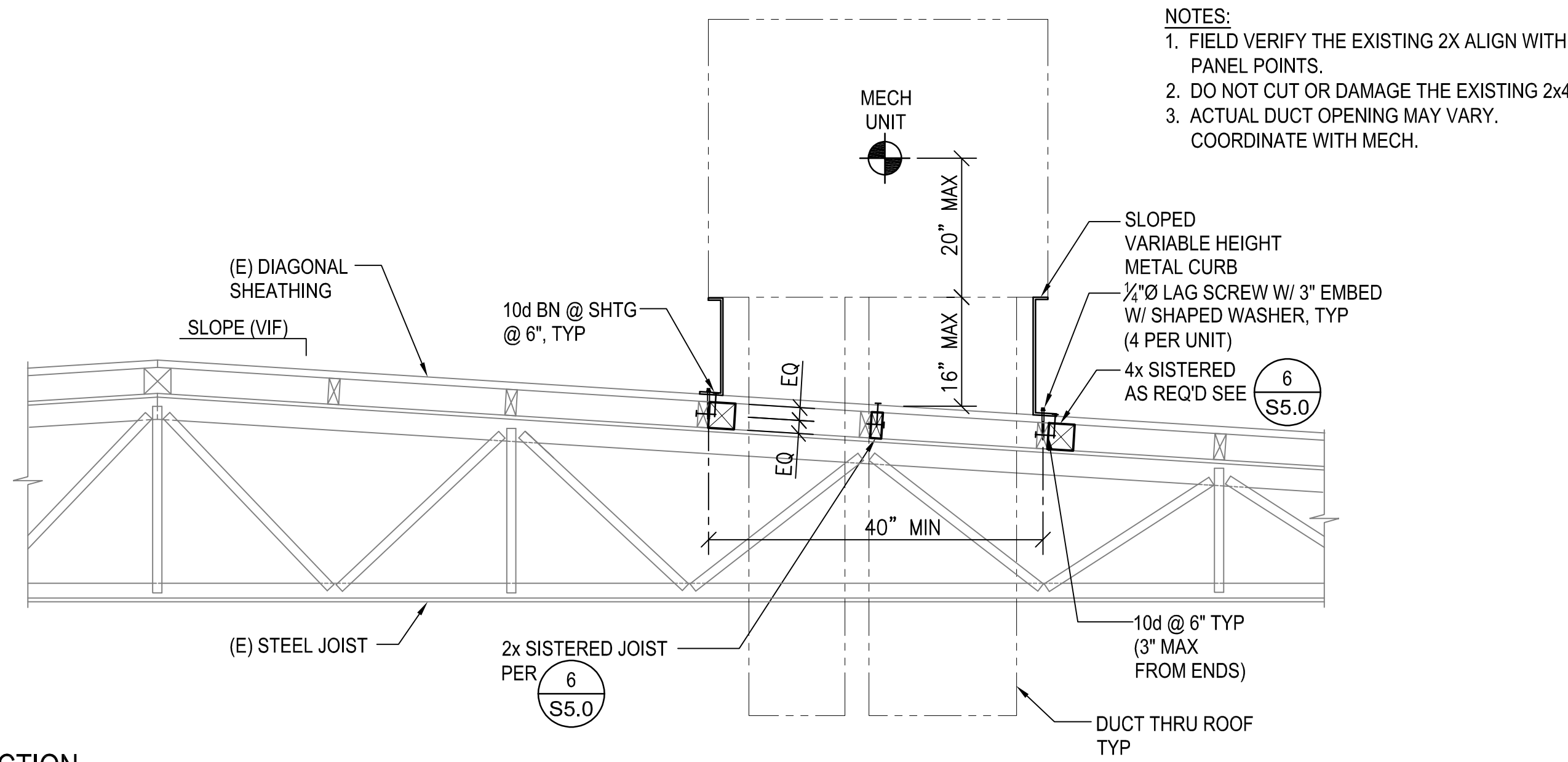
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FRAMING AT EF UNIT

1" = 1'-0"

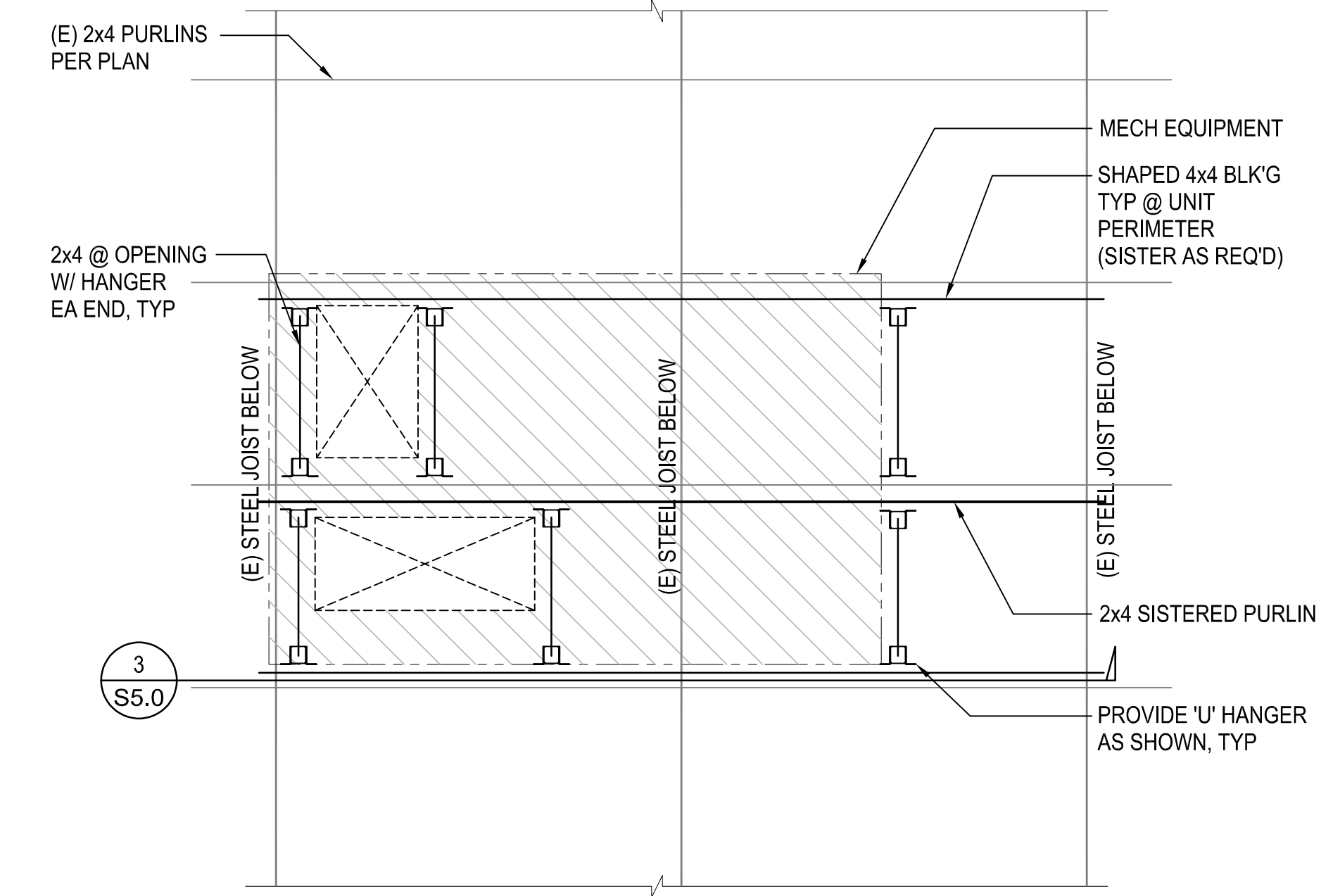
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SECTION

3/4" = 1'-0"

8



PARTIAL FRAMING PLAN AT MECH UNIT

3/4" = 1'-0"

6

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DETAILS

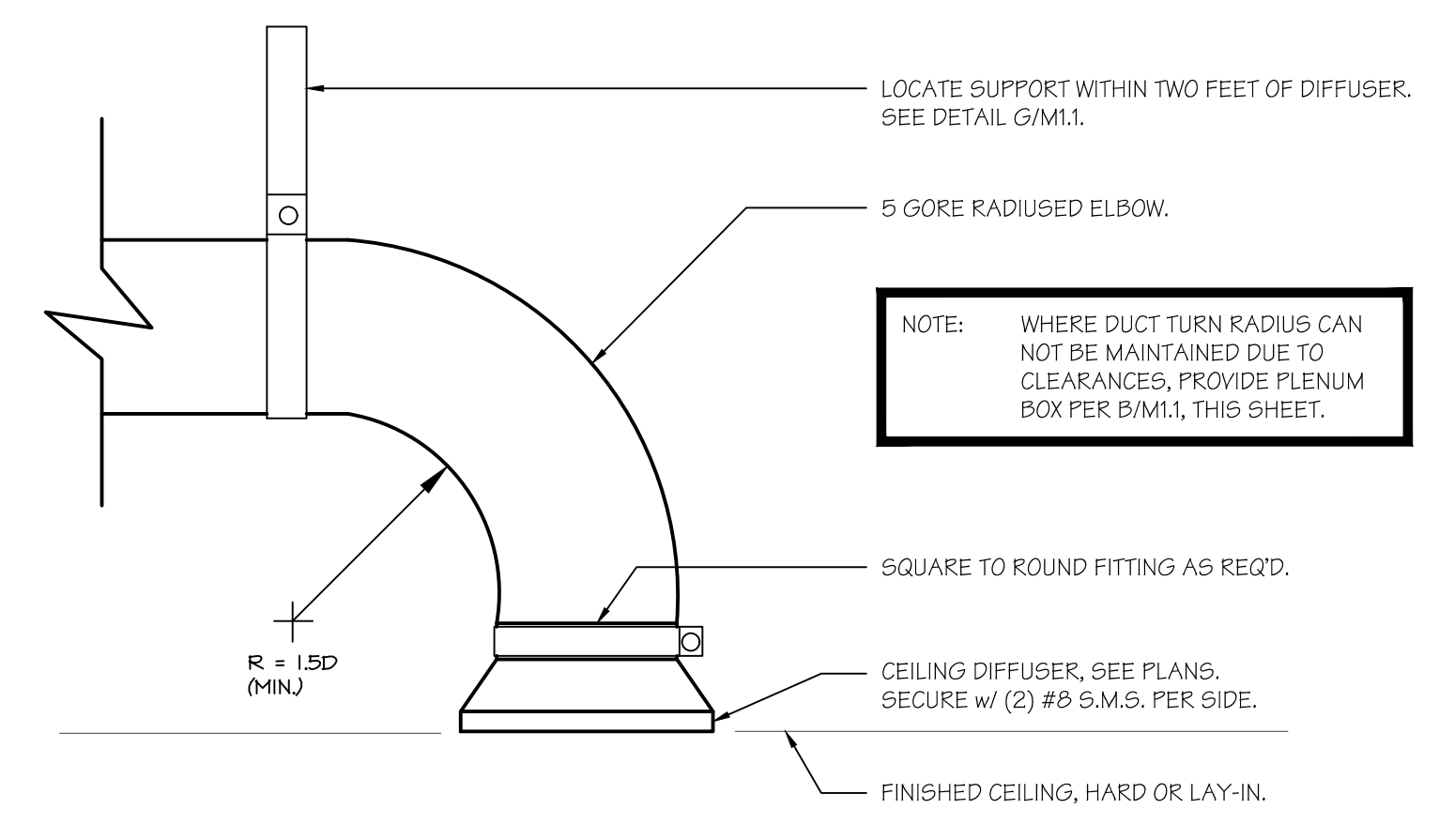
MARK	DATE	REVISIONS
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JOB NO.
J21323
DRAWN:
JAMA
CHECKED:
JAMA
DATE:
03/17/23

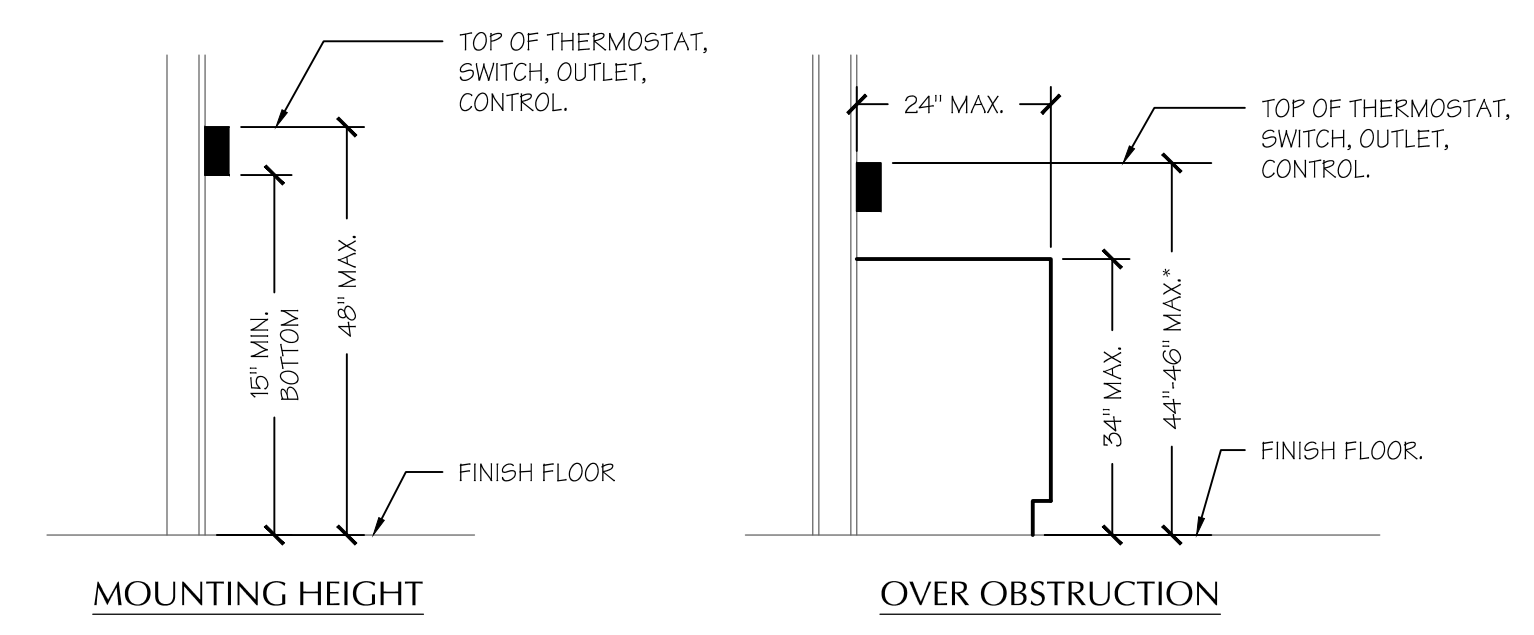
S
5.0
OF SHEETS



MARTIN & ASSOCIATES
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3084
421323

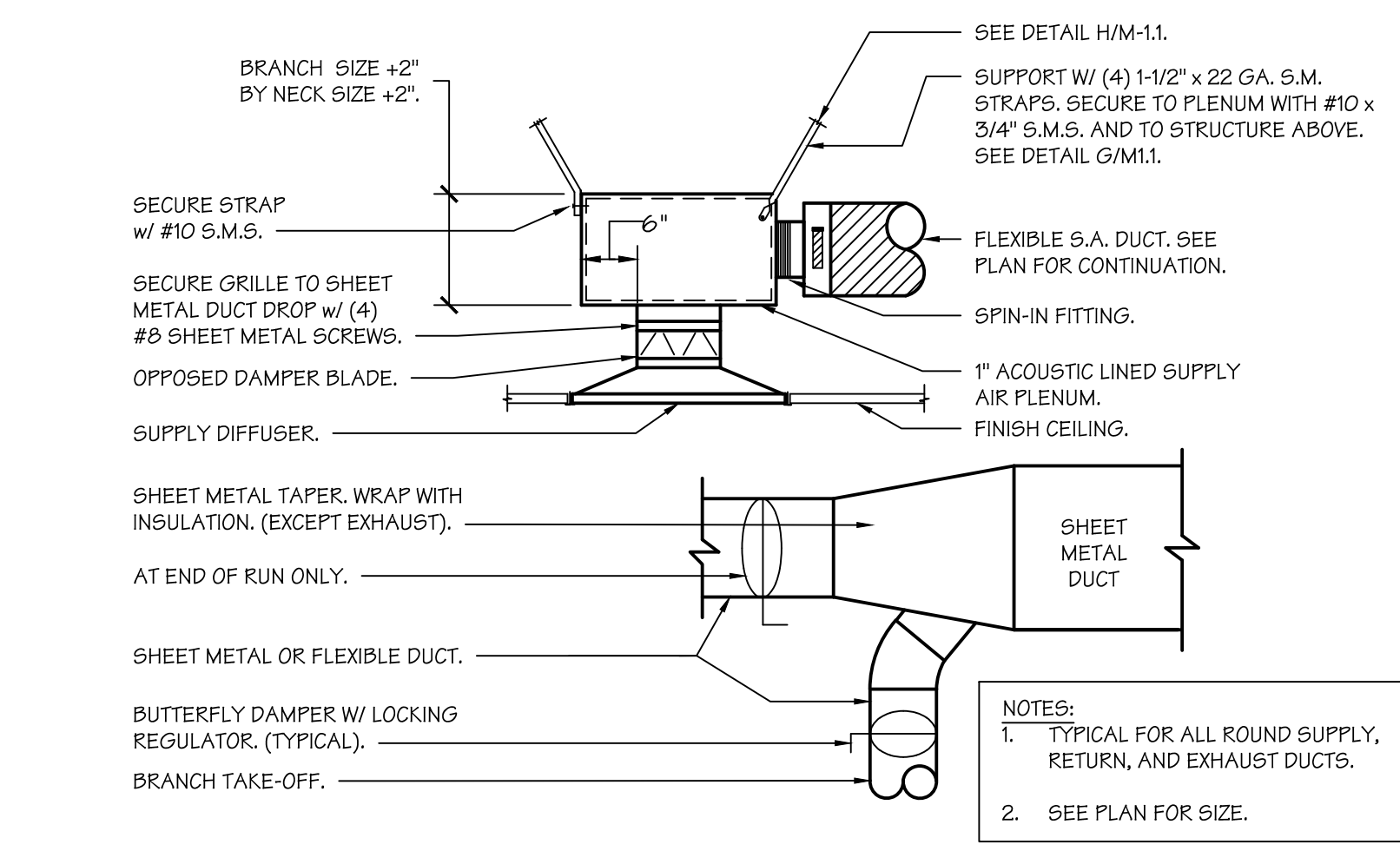


DUCT HANGER UPPER ATTACHMENT
 SCALE: N.T.S.

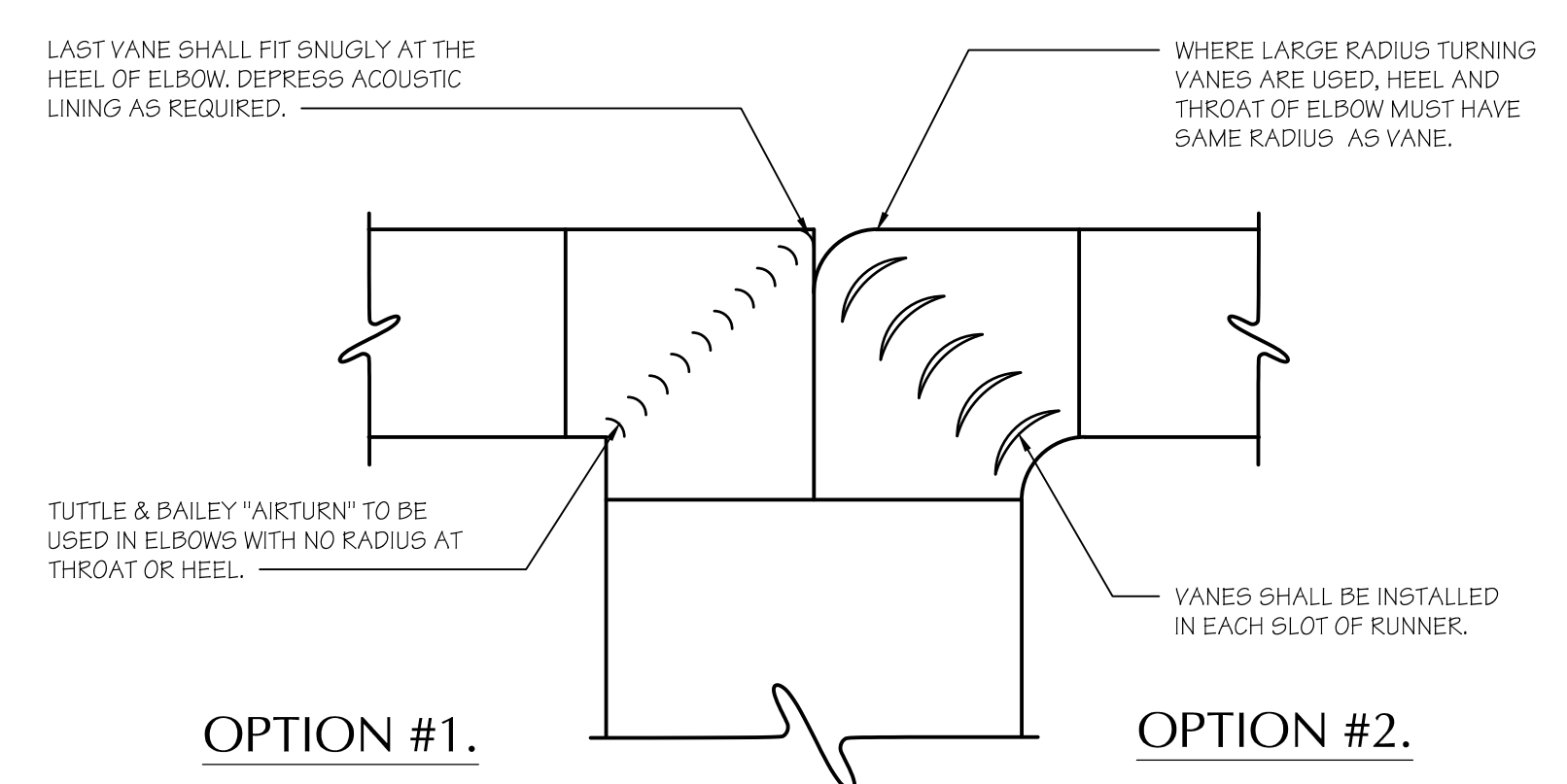


THERMOSTAT MOUNTING LOCATION
 SCALE: N.T.S.

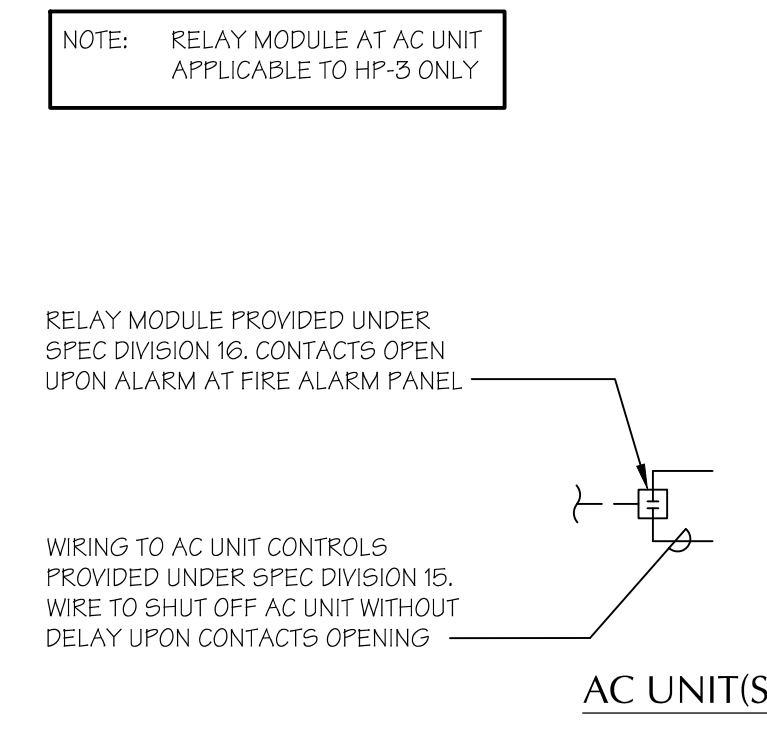
CEILING DIFFUSER/REGISTER CONNECTION
 SCALE: N.T.S.



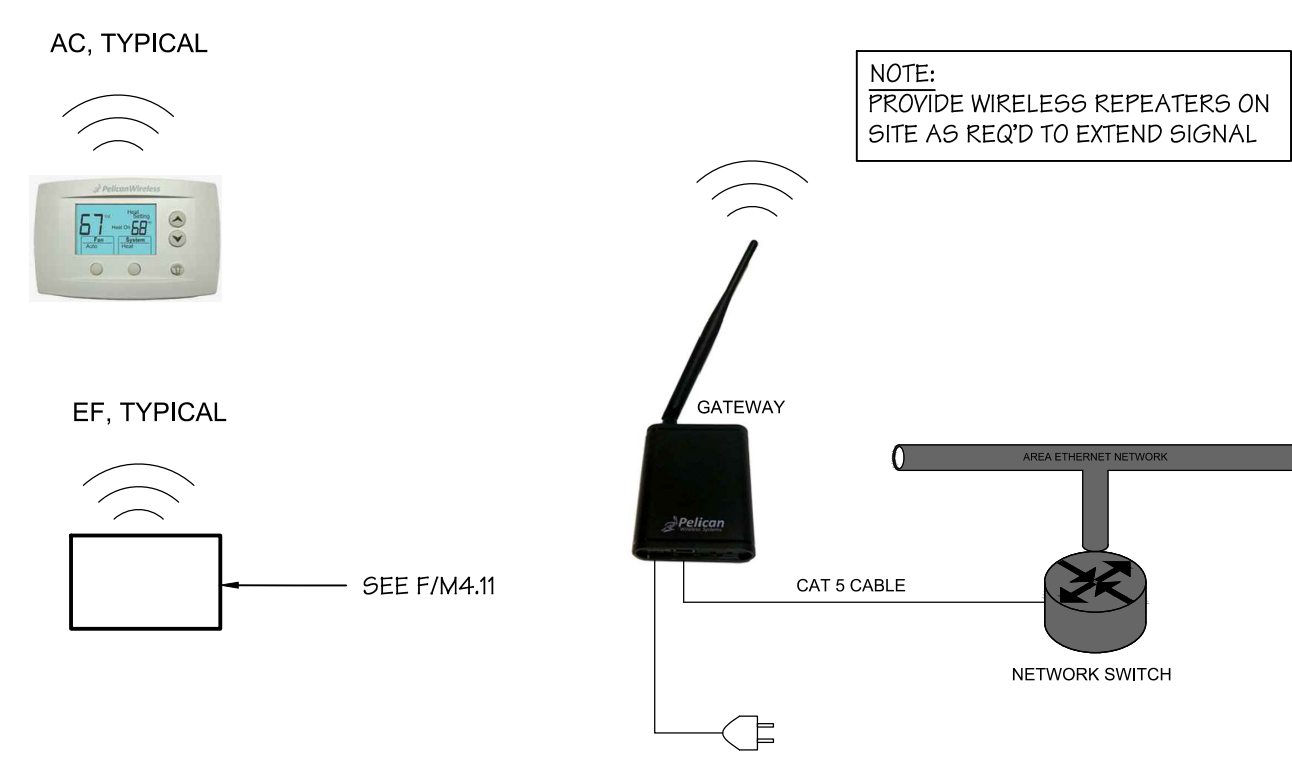
SUPPLY AIR PLENUM & BRANCH TAKE-OFFS
 SCALE: N.T.S.



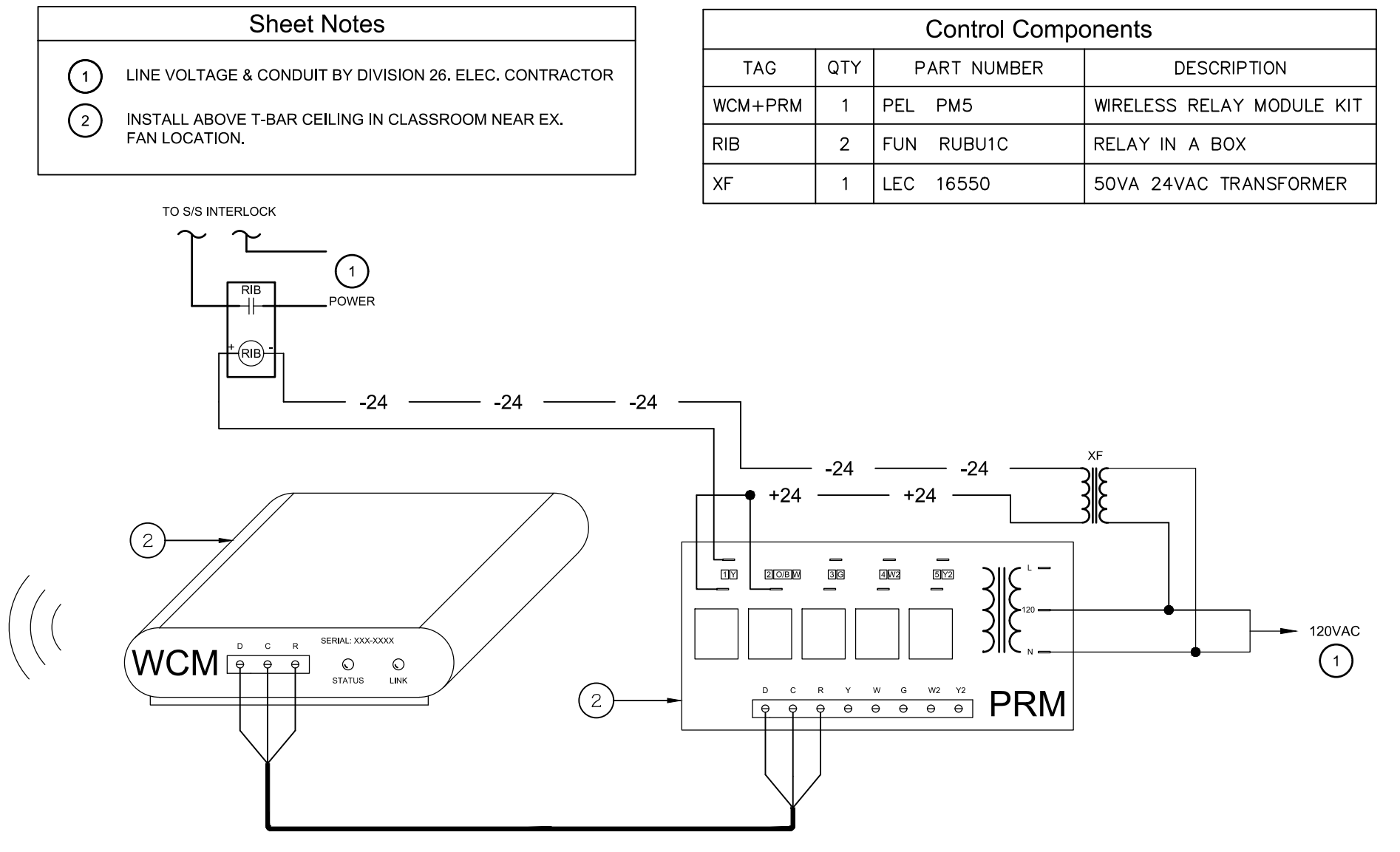
NINETY DEGREE ELBOW
 SCALE: N.T.S.



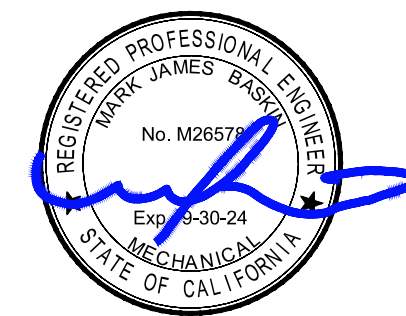
HP UNIT INTERLOCKS WITH FIRE ALARM PANEL
 SCALE: N.T.S.



LAN ARCHITECTURE
 SCALE: N.T.S.



EX. FAN CONTROL DETAIL
 SCALE: N.T.S.

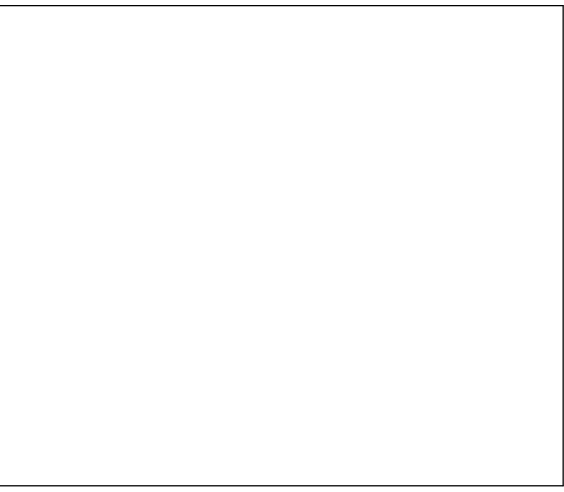


ROOSEVELT ELEMENTARY SCHOOL
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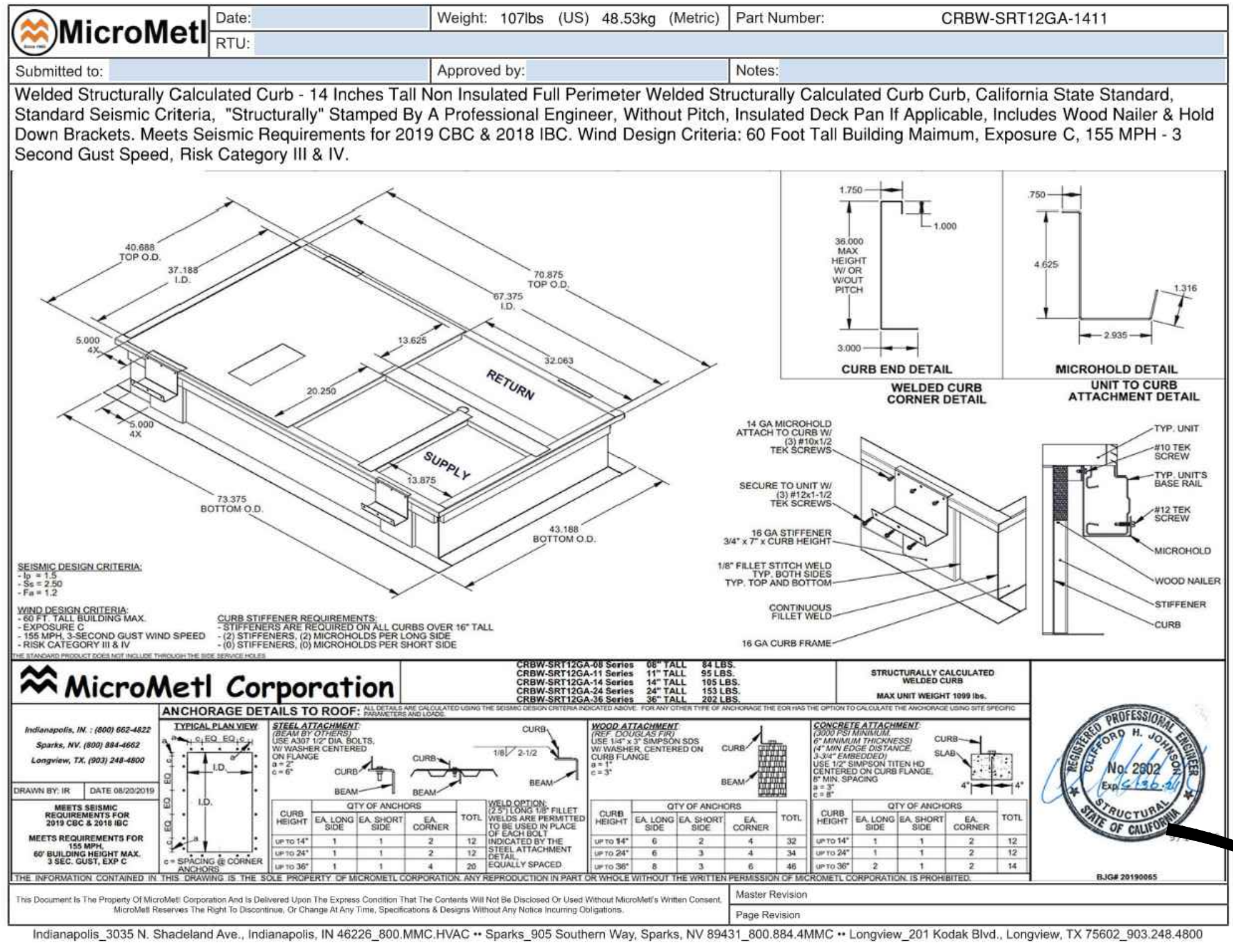
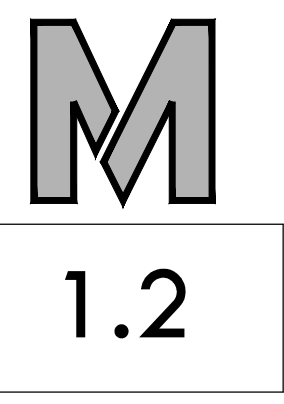
STEPHEN CARROLL ARCHITECT - AP
 CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



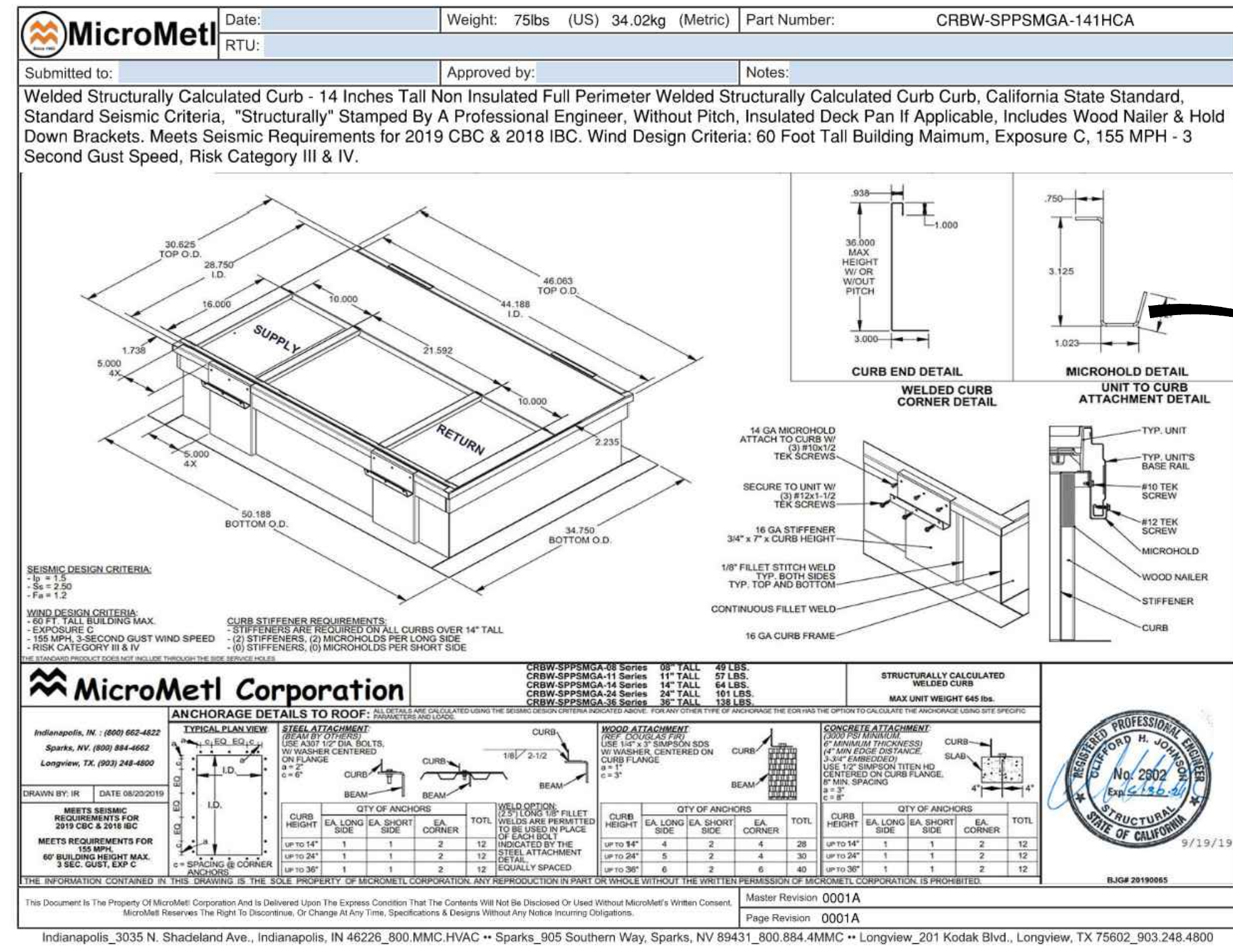
MECHANICAL
 DETAILS

MARK	DATE	REVISIONS
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JOB NO.
 1317
 DRAWN:
 B.S.
 CHECKED:
 M.B.
 DATE:
 8/5/21

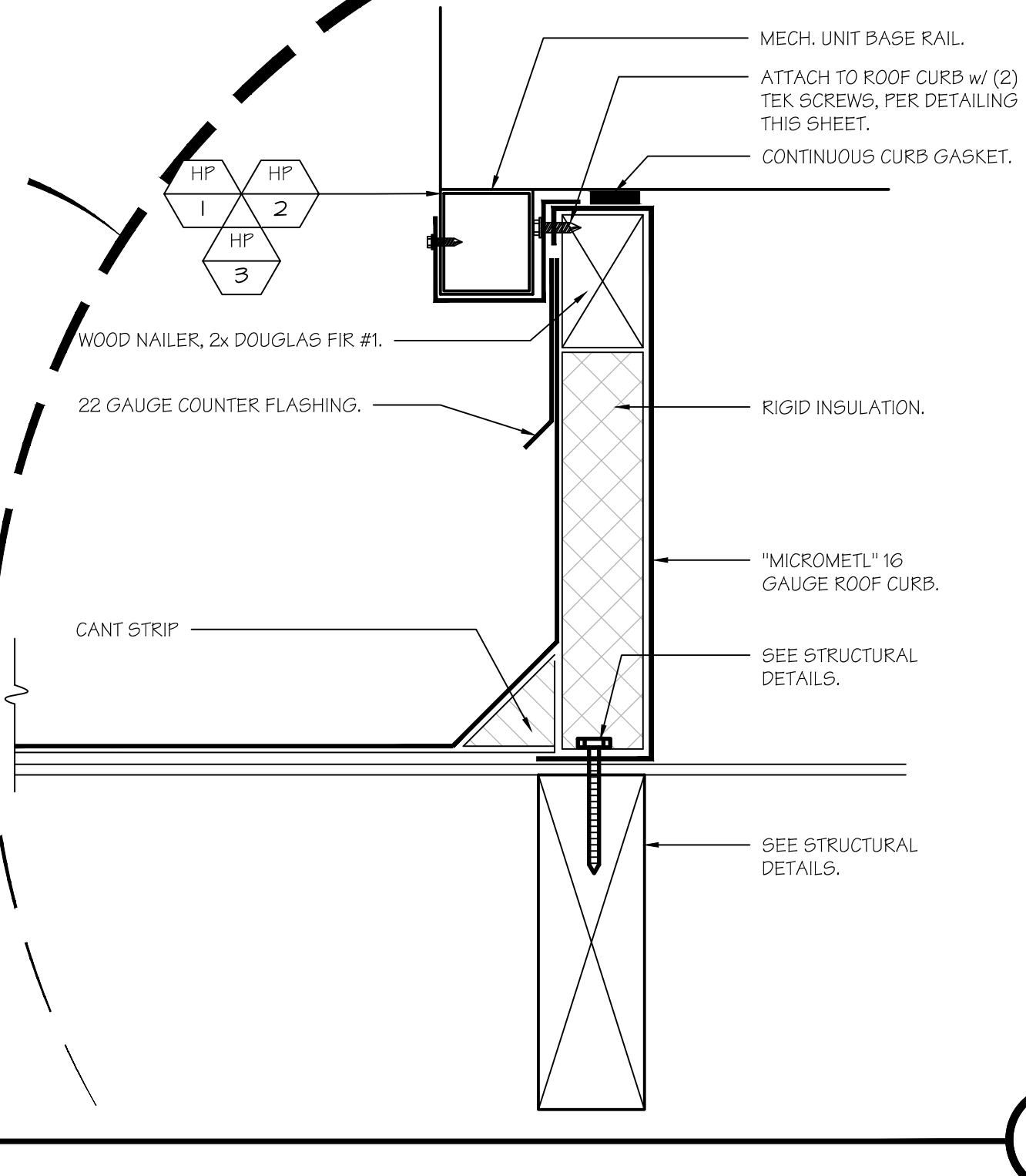


(HP-1,HP-3) UNIT CURB 816 lb. MAX UNIT WT.

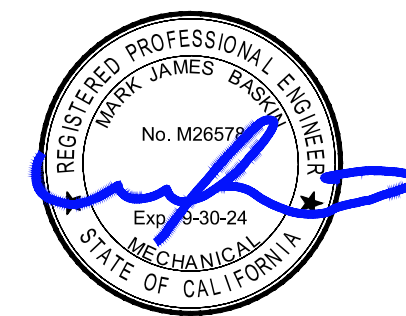


(HP-2) UNIT CURB 326 lb. MAX UNIT WT.

UNIT ANCHORAGE
 SCALE: N.T.S.



A





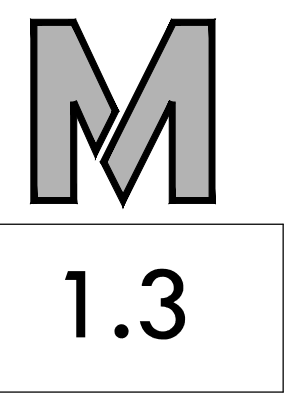
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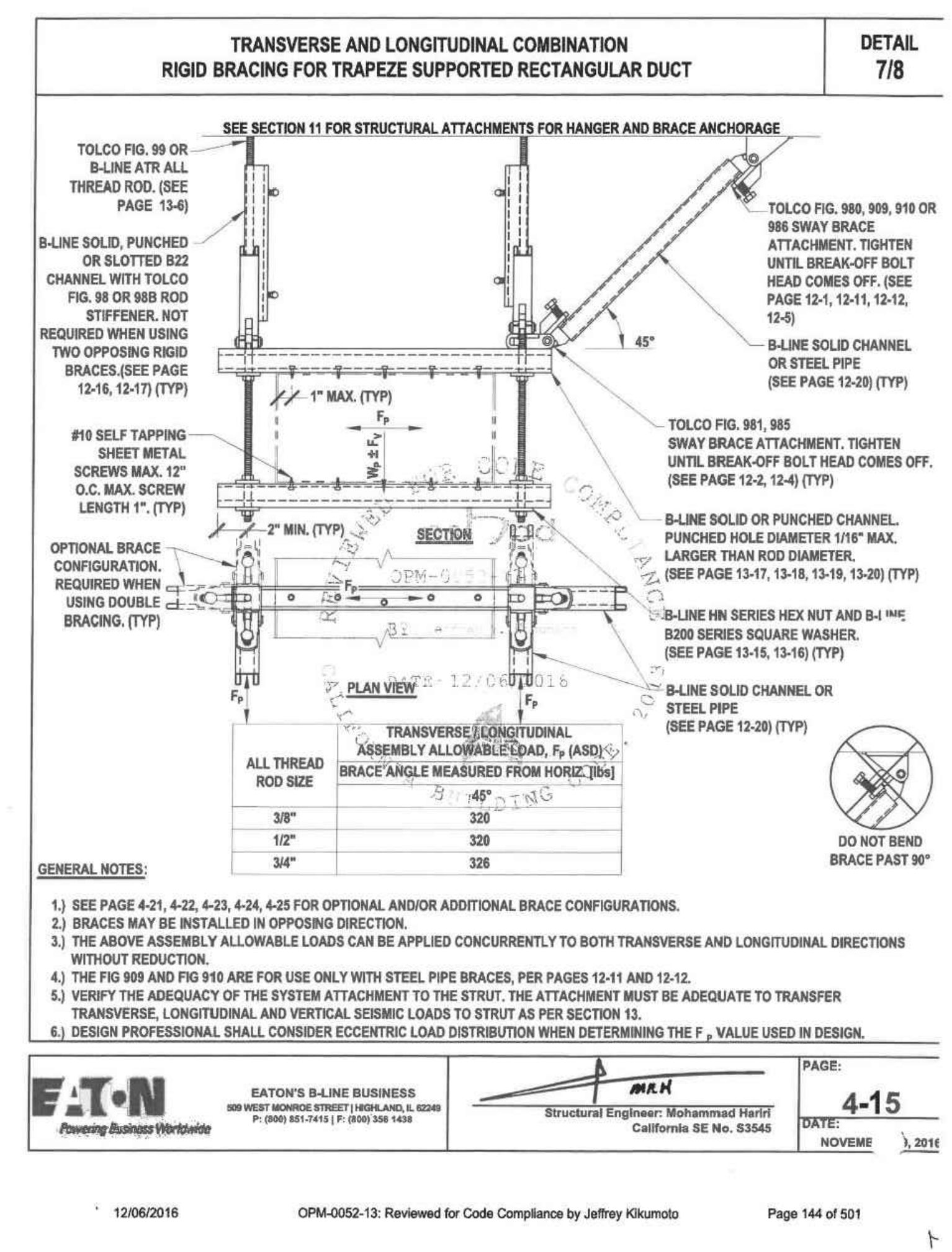
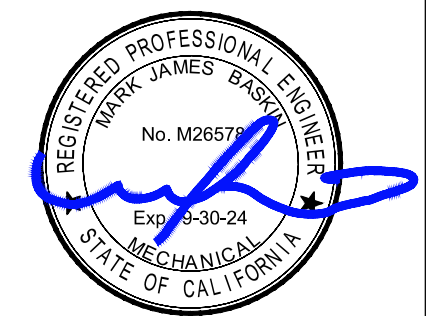
MECHANICAL
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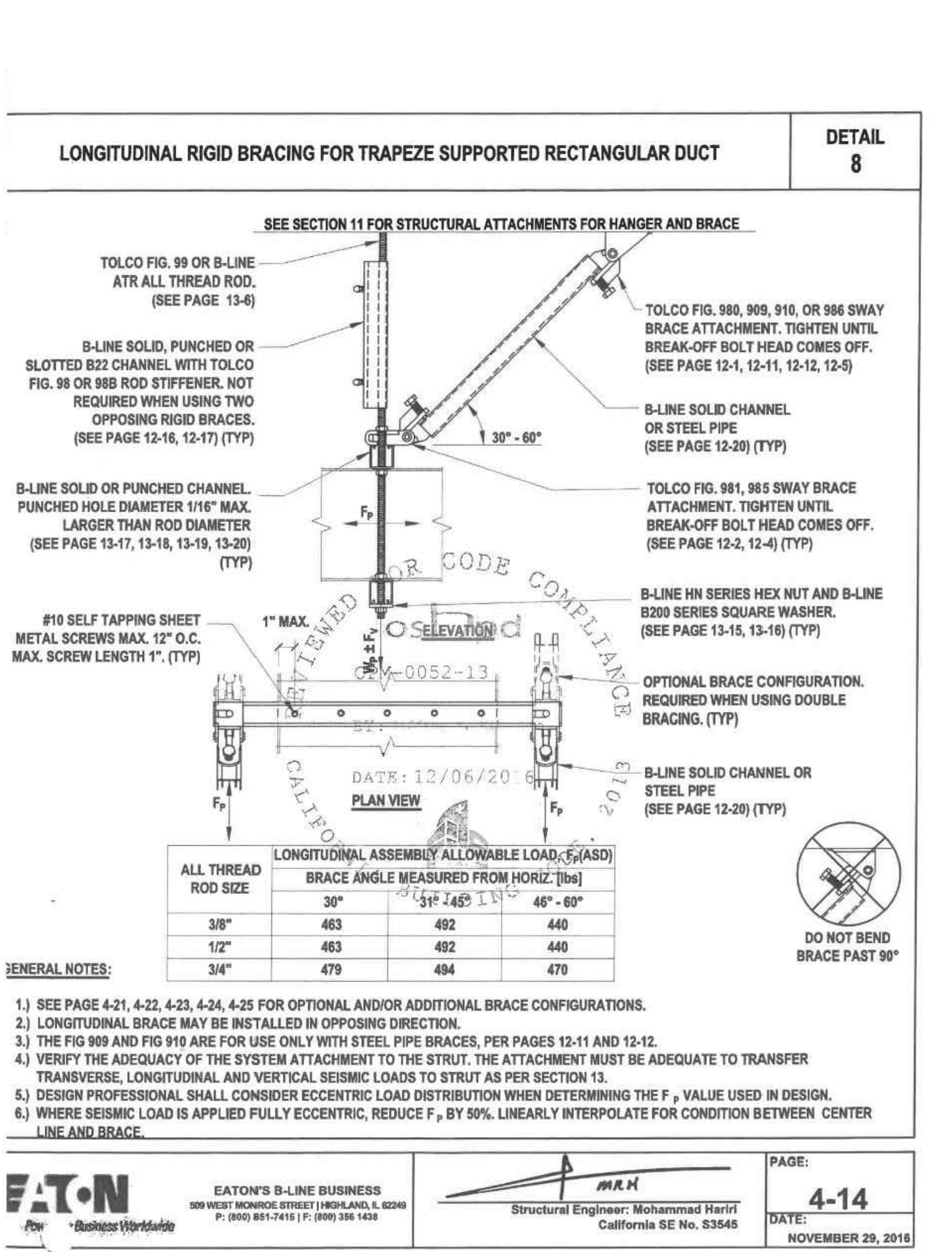
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 1317
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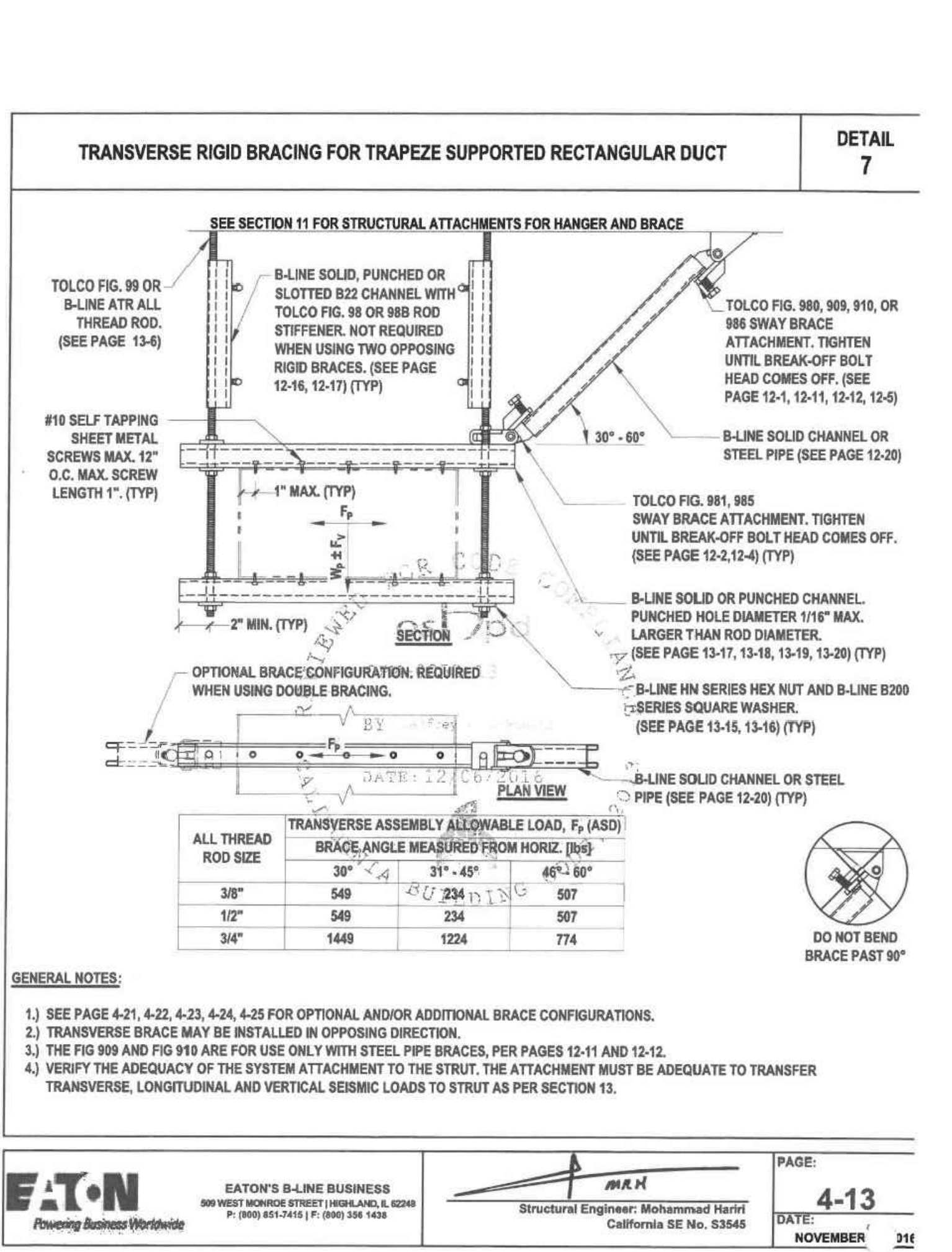
bme BASKIN
 MECHANICAL
 ENGINEERS
 175 Fulton Street
 Fresno, CA 93721
 Tel: (559) 237-0376
 Job: 21146
 Pit: 12-13-22



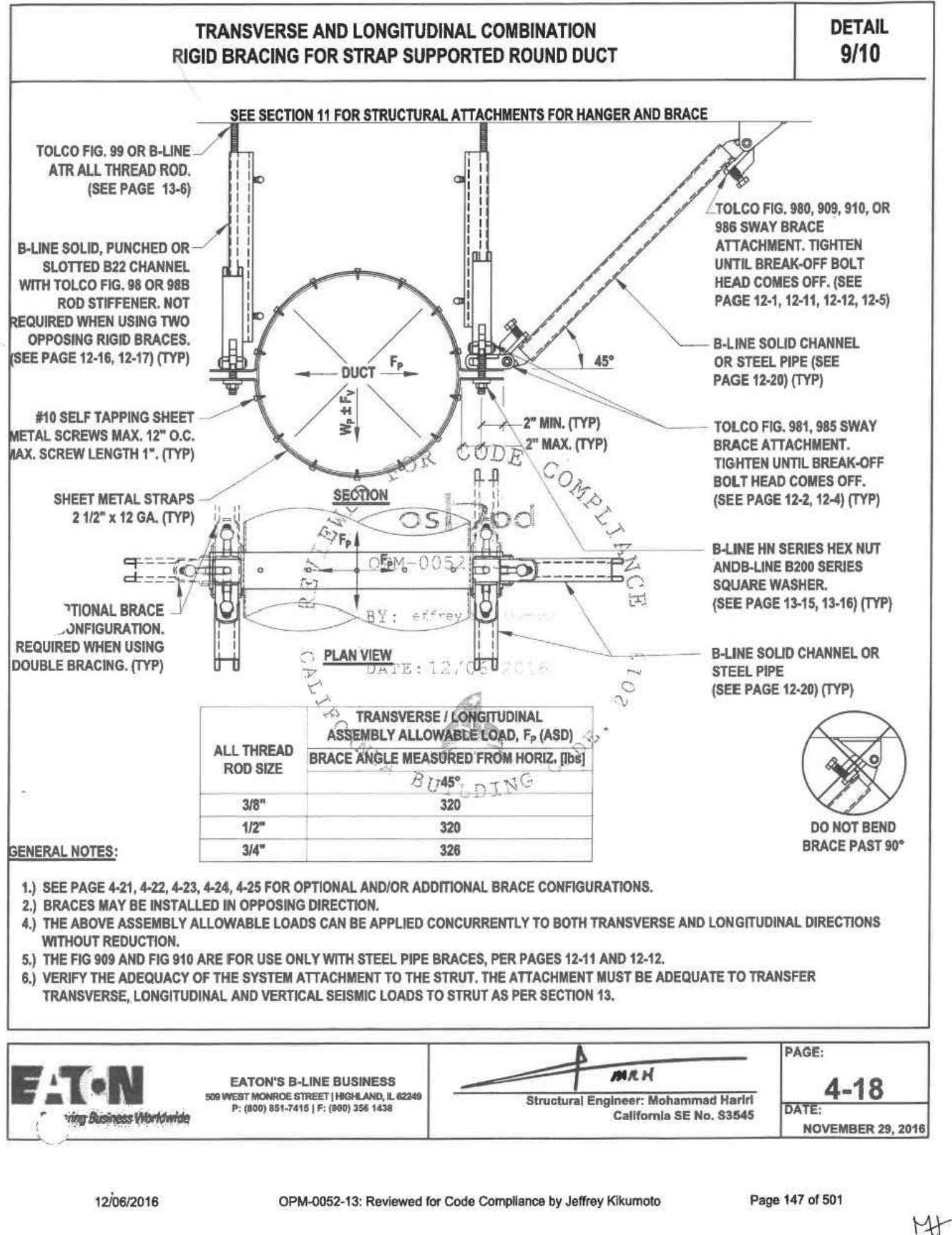
TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT
 SCALE: N.T.S.



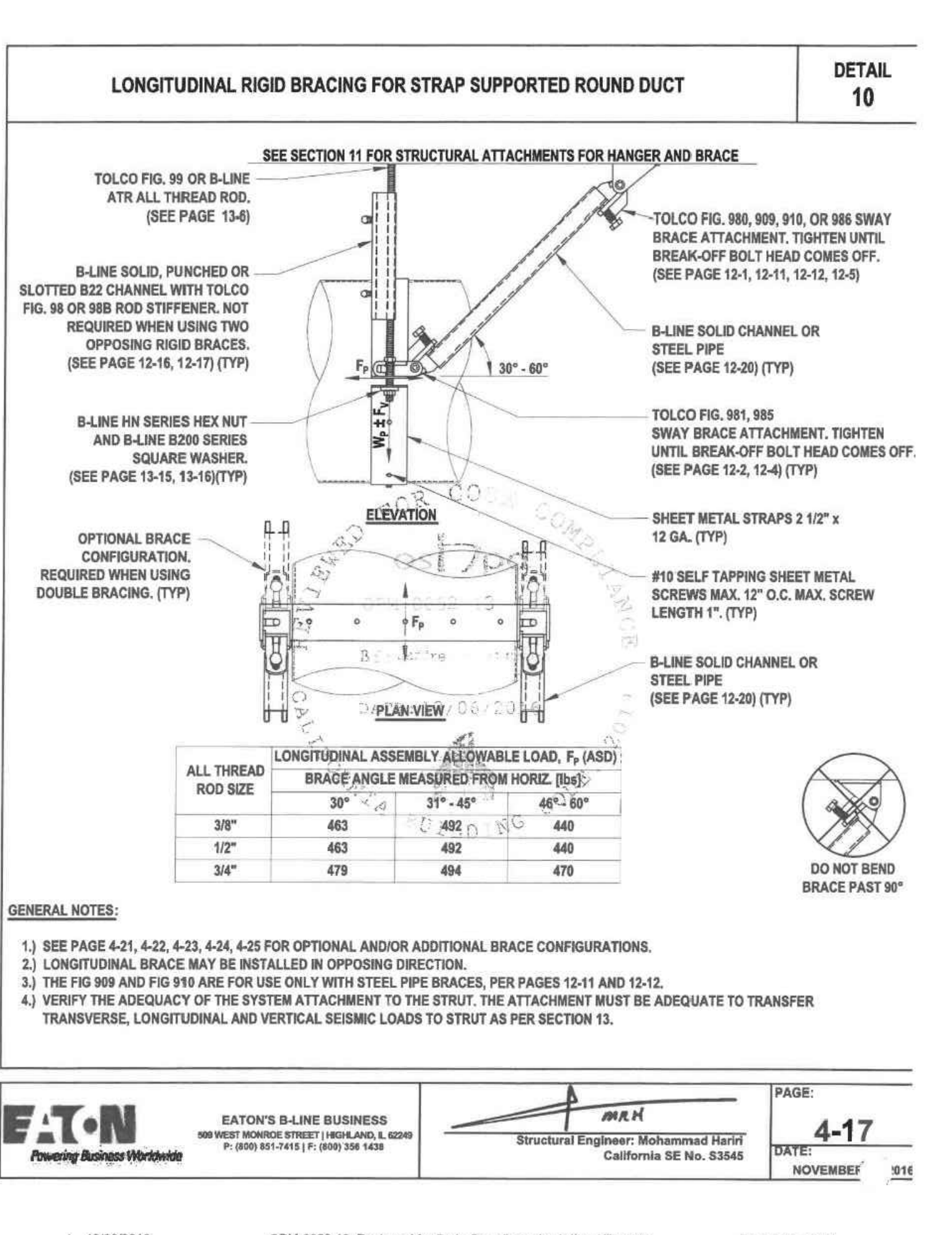
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 SCALE: N.T.S.



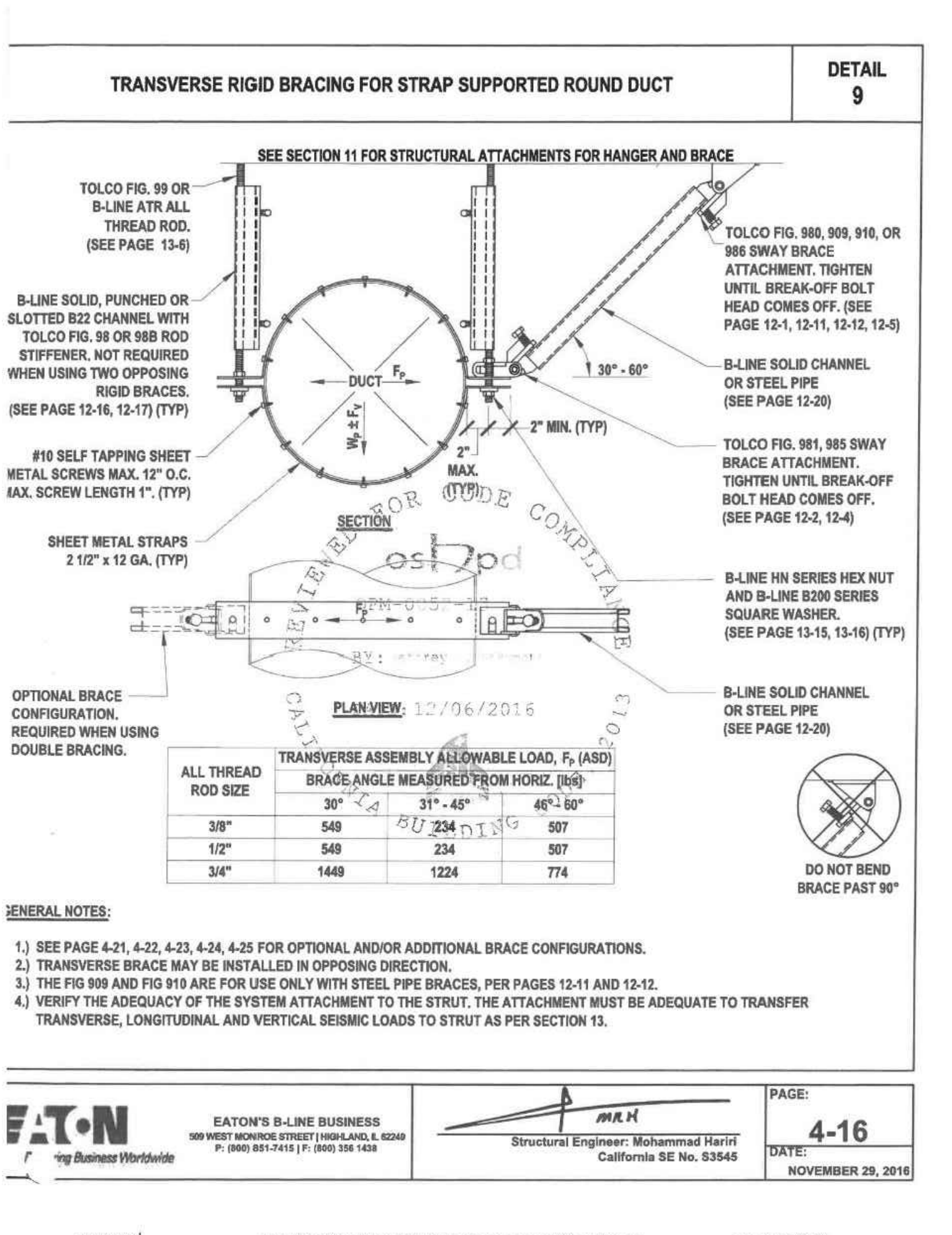
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 SCALE: N.T.S.



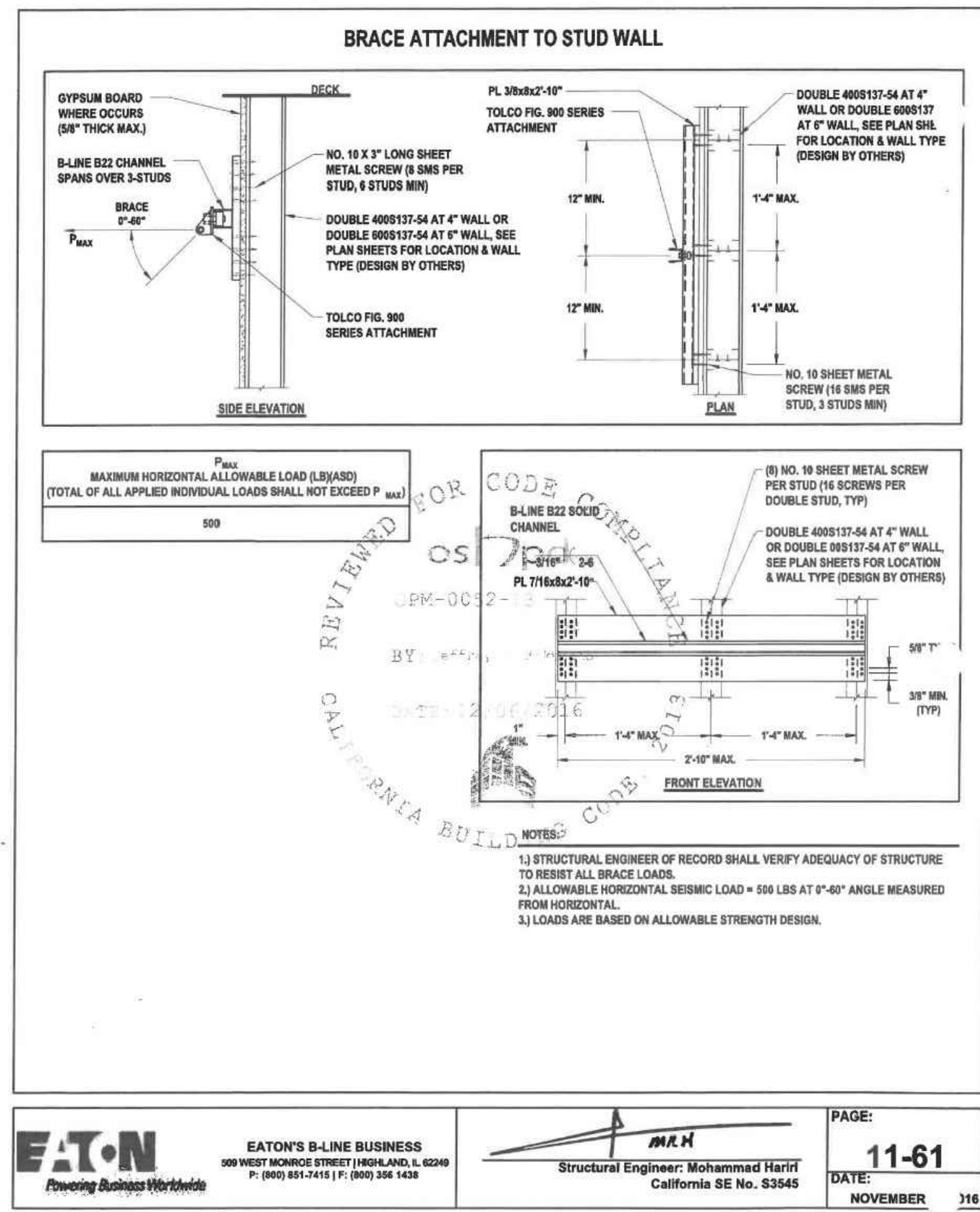
TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT
 SCALE: N.T.S.



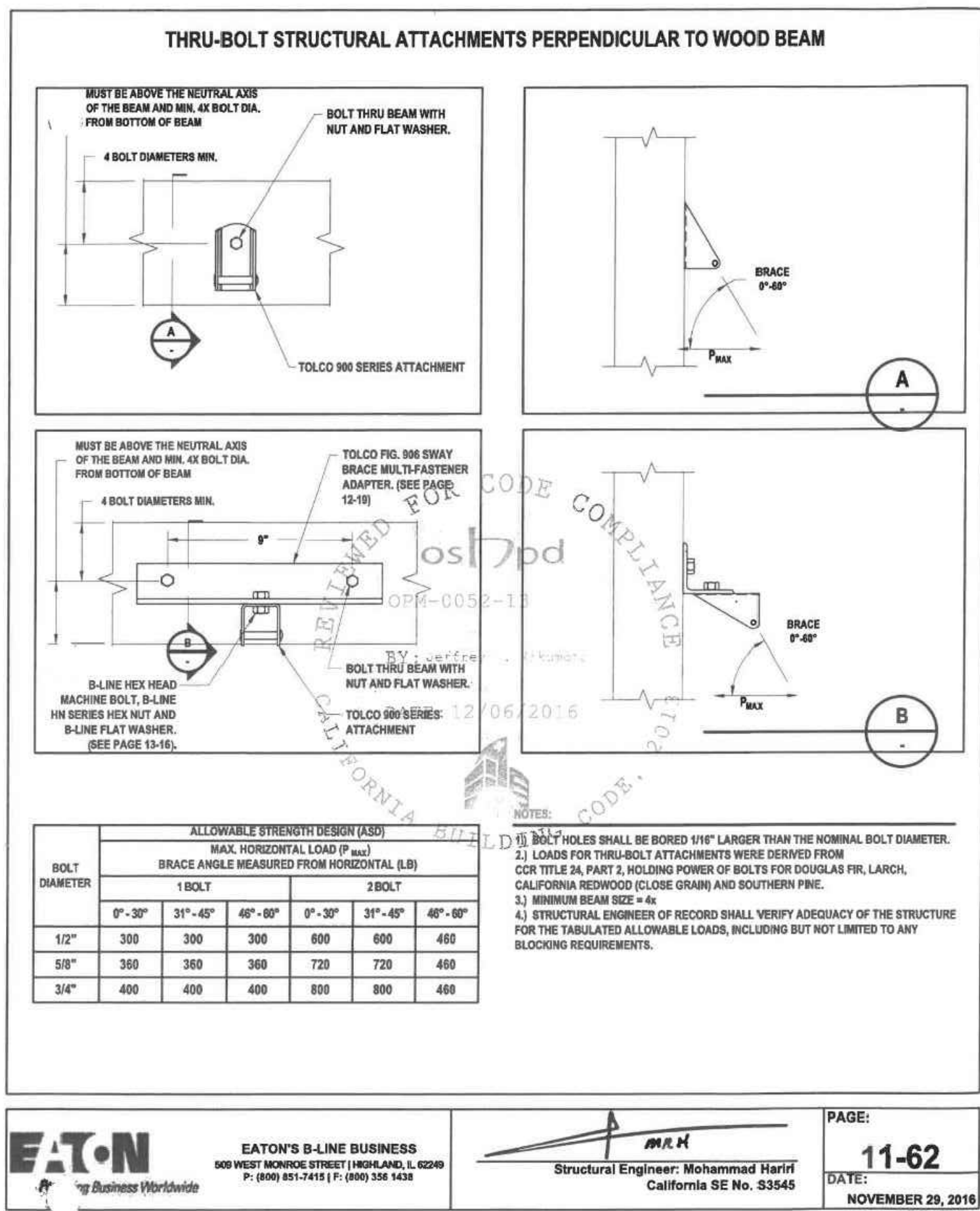
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 SCALE: N.T.S.



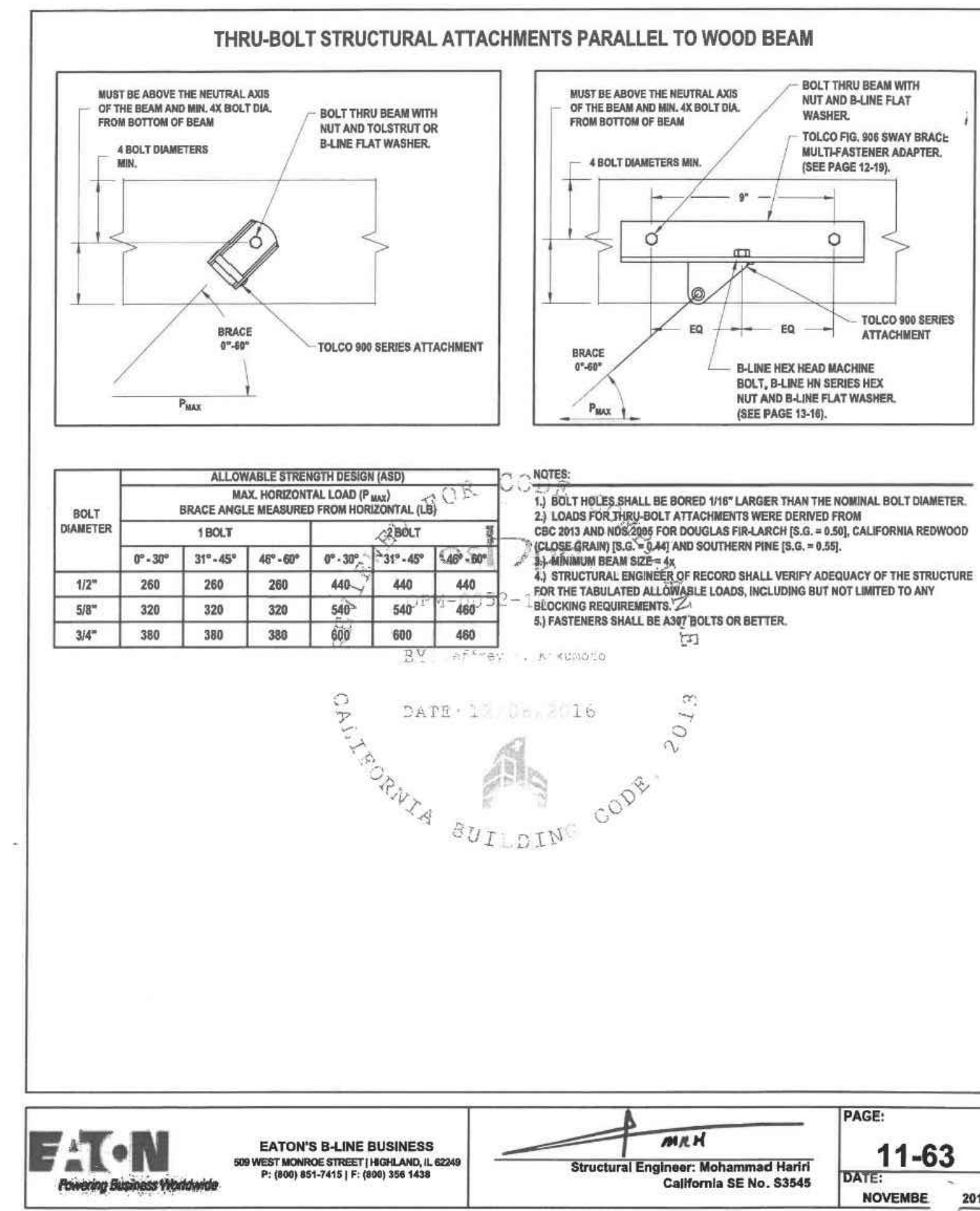
TRANSVERSE RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT
 SCALE: N.T.S.



BRACE ATTACHMENT TO STUD WALL
 SCALE: N.T.S. **A**



THRU-BOLT STRUCTURAL ATTACHMENTS PERPENDICULAR TO WOOD BEAM
 SCALE: N.T.S. **B**



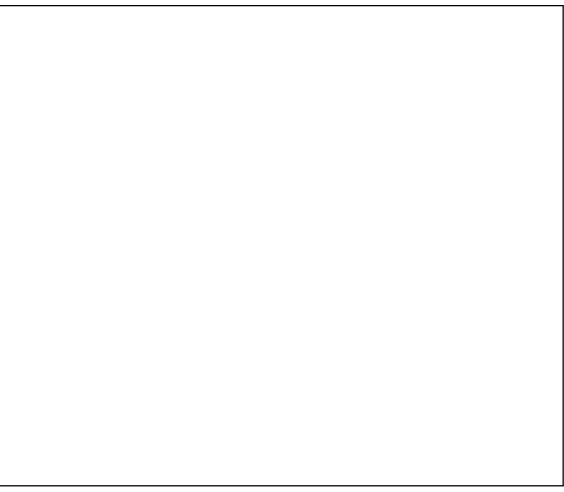
THRU-BOLT STRUCTURAL ATTACHMENTS PARALLEL TO WOOD BEAM
 SCALE: N.T.S. **C**

ROOSEVELT ELEMENTARY SCHOOL
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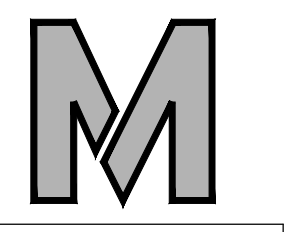
STEPHEN J. CARROLL, AIA, LEED AP
 ARCHITECT
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MECHANICAL DETAILS

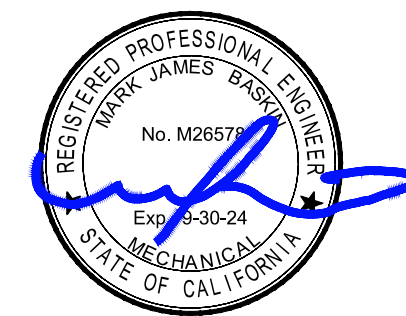
MARK	DATE	REVISIONS
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JOB NO.
1317
 DRAWN:
 B.S.
 CHECKED:
 M.B.
 DATE:
 8/5/21



1.4

bme BASKIN MECHANICAL ENGINEERS
 175 Fulton Street
 Fresno, CA 93721
 Tel: (559) 237-0376
 Job: 21146
 Pjt: 12-13-22



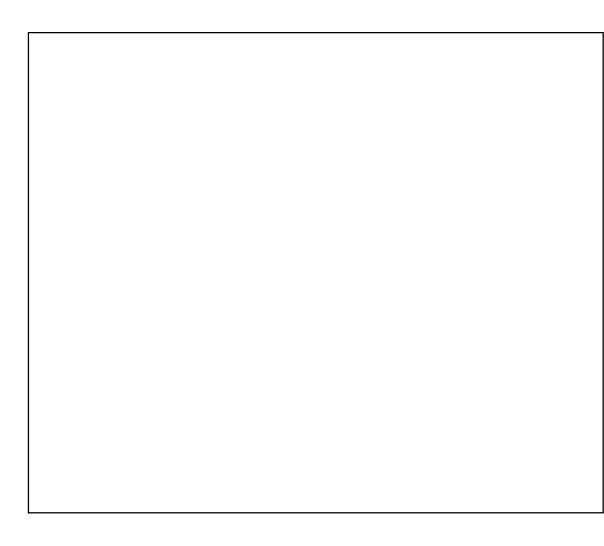
ROOSEVELT ELEMENTARY SCHOOL
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1601 NEW STINE ROAD, SUITE 280
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 FAX: (661) 397-4378
 WWW.SCARCHITECT.COM

Signature
 STEPHEN C. CARLSON, ALLIED -AP
 LICENSED ARCHITECT
 No. 1788
 JAN 17 2023
 STATE OF CALIFORNIA

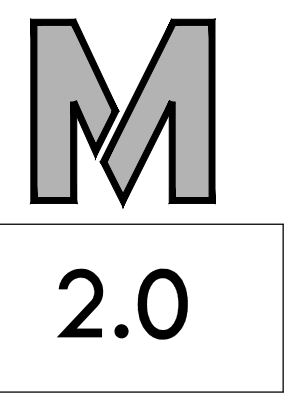
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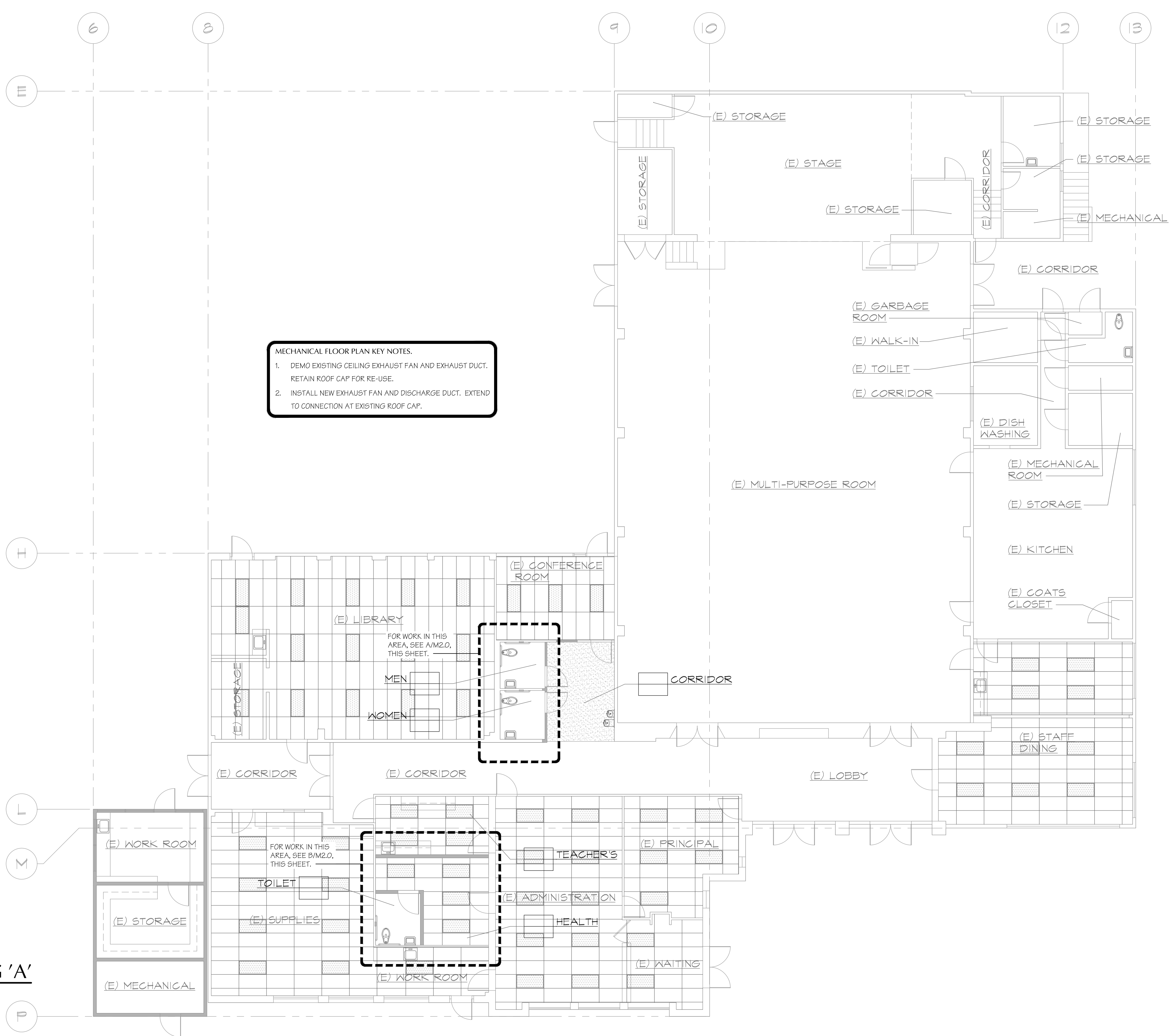
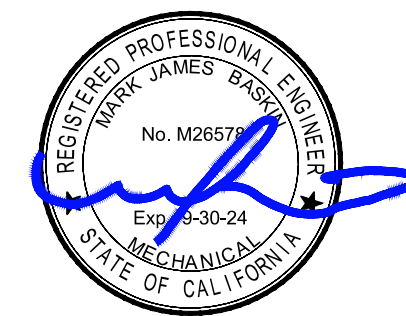
MECHANICAL PLAN BUILDING 'A'

MARK	DATE	REVISIONS
△		
△		
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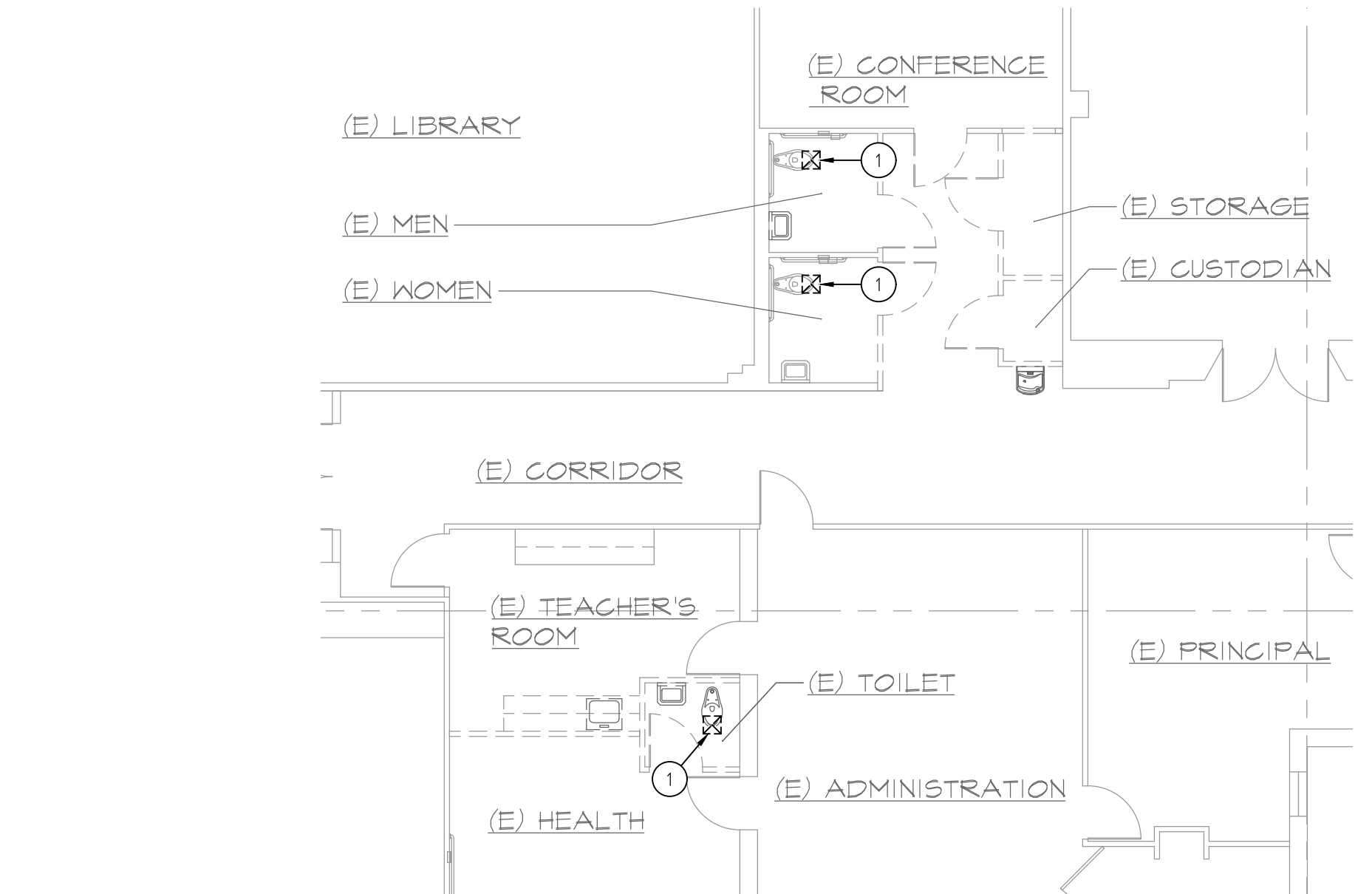
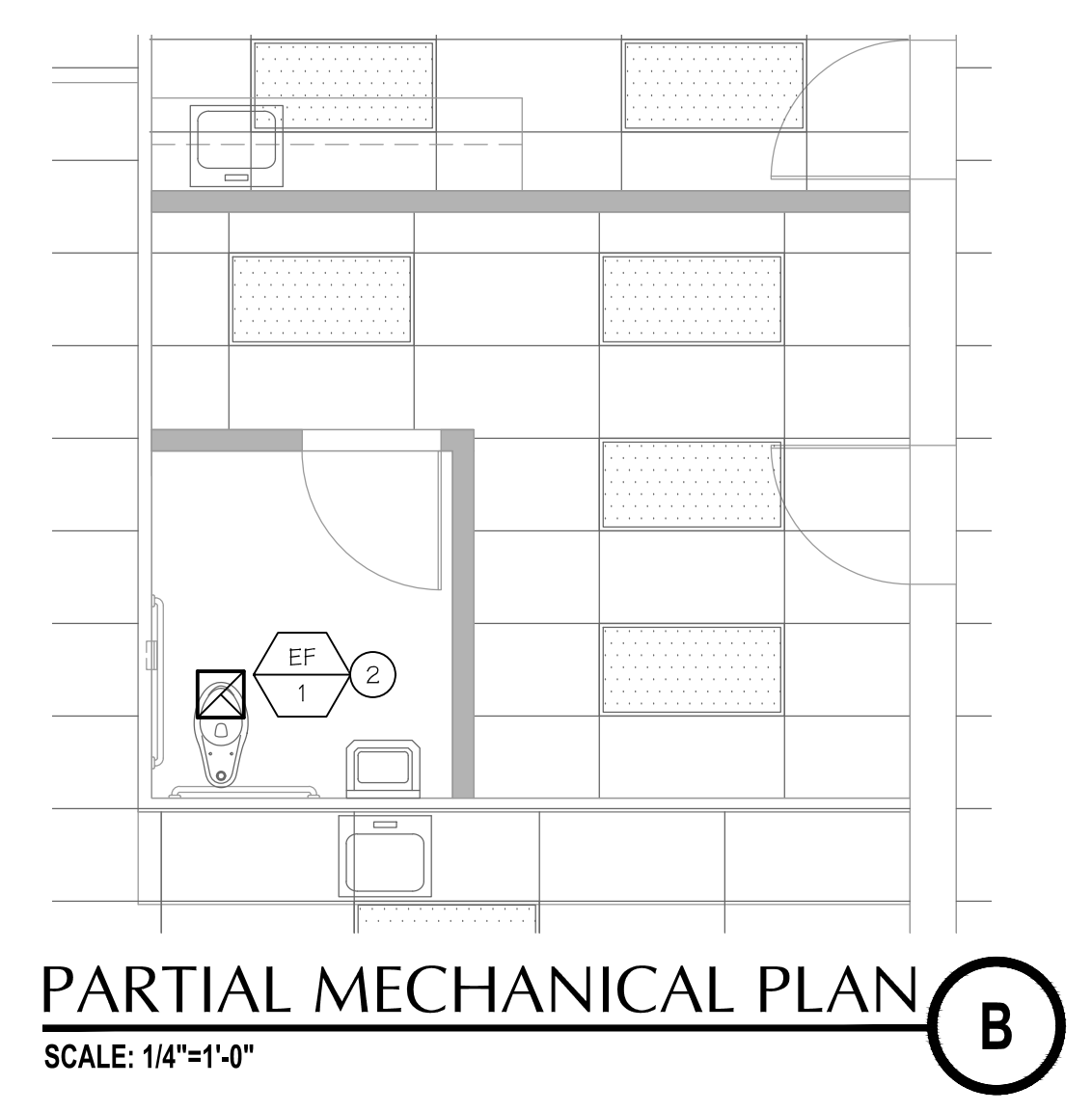
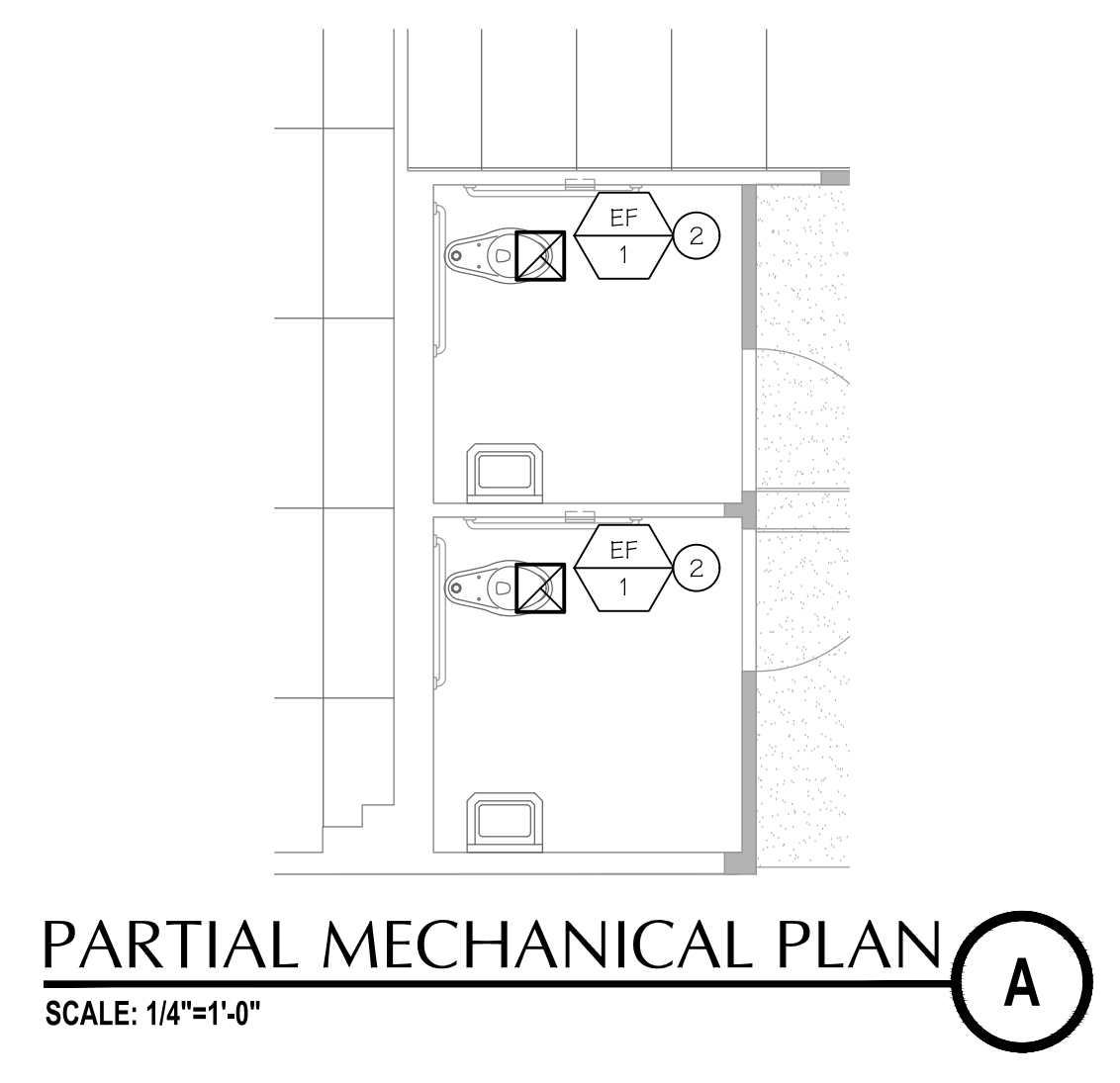
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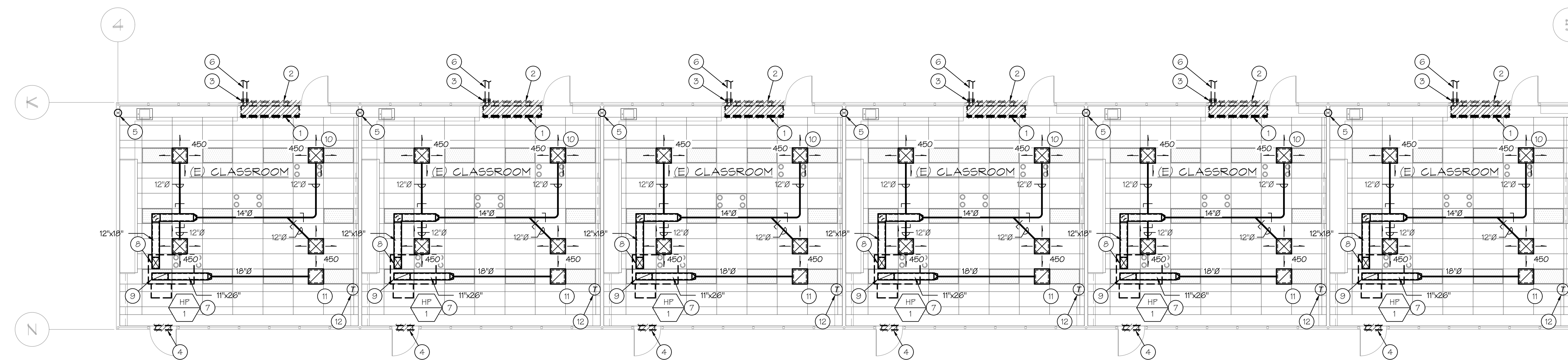
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 Fresno, CA 93721
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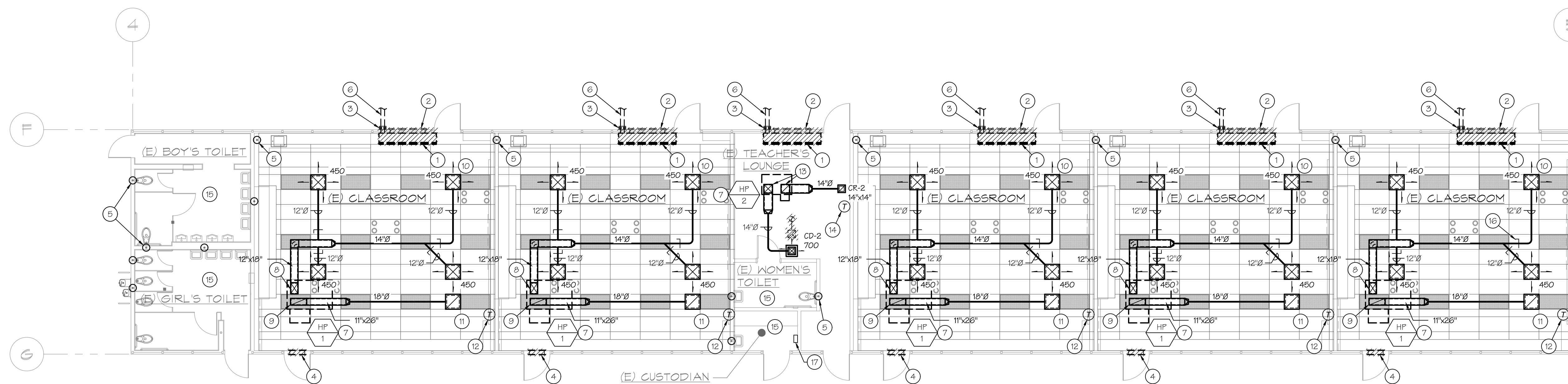
MECHANICAL FLOOR PLAN KEY NOTES.
 1. DEMO EXISTING CEILING EXHAUST FAN AND EXHAUST DUCT. RETAIN ROOF CAP FOR RE-USE.
 2. INSTALL NEW EXHAUST FAN AND DISCHARGE DUCT. EXTEND TO CONNECTION AT EXISTING ROOF CAP.



MECHANICAL PLAN BUILDING 'A'
 SCALE: 1/8"=1'-0"



MECHANICAL PLAN BUILDING 'B'
 SCALE: 1/8"=1'-0"



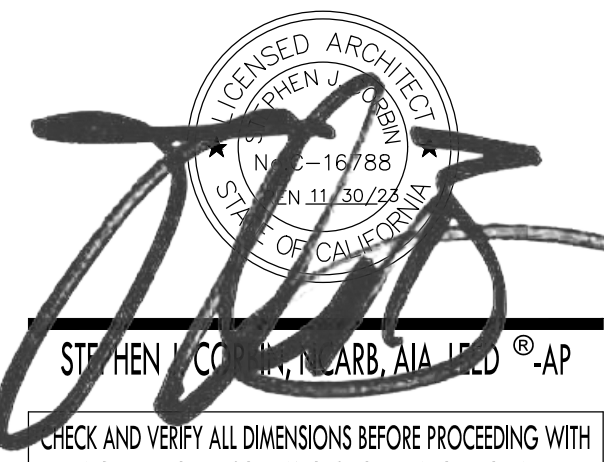
MECHANICAL PLAN BUILDING 'C'
 SCALE: 1/8"=1'-0"

- MECHANICAL FLOOR PLAN KEY NOTES**
1. REMOVE EXISTING FLOOR MOUNTED UNIT VENTILATOR, ALL RELATED MECHANICAL PIPING, CONDENSATE PIPING, CONTROLS, SUPPORTS, ANCHORAGE, ETC. PATCH EXISTING SURFACES TO MATCH EXISTING.
 2. REMOVE EXISTING OUTSIDE AIR LOUVERS. INFILL / PATCH WALL TO MATCH EXISTING.
 3. REMOVE EXISTING HYDRONIC AND CONDENSATE PIPING AND EXTERIOR CHASE. REMOVE PIPING TO 12" BELOW GRADE. CAP PIPING AND ABANDON IN PLACE.
 4. REMOVE EXISTING GRAVITY RELIEF VENT, DUCTWORK, RELIEF GRILLE, ETC. INFILL TO MATCH SURROUNDING CONSTRUCTION.
 5. EXISTING WASTE VENT, TYPICAL. CONFIRM EXACT LOCATION IN FIELD.
 6. ABANDON IN PLACE BELOW GRADE SITE HYDRONIC PIPING.
 7. ROOF MOUNTED HEAT PUMP UNIT. SEE MECHANICAL ROOF PLAN.
 8. 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL C/M1.1.
 9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL C/M1.1.
 10. CD-1 TYPICAL. SEE DETAIL A/M1.1.
 11. CR-1 TYPICAL.
 12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
 13. 12" X 12" SUPPLY AND RETURN AIR DROPS WITH 1" LINER, 14" X 14" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL C/M1.1.
 14. THIS THERMOSTAT TO BE A PELICAN TS200.
 15. NO MECHANICAL WORK IN THIS ROOM.
 16. SEE TYP. BRANCH DUCT DETAIL B/M1.1.
 17. PELICAN WIRELESS GATEWAY w/ 115V PLUG CONNECTED TO WALL OUTLET AND CONNECTION TO LOCAL ROUTER. PROVIDE WALL MTD. BRACKET FOR MOUNTING. SEE DETAILS E&F/M1.1.

ROOSEVELT ELEMENTARY SCHOOL
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 FOR
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



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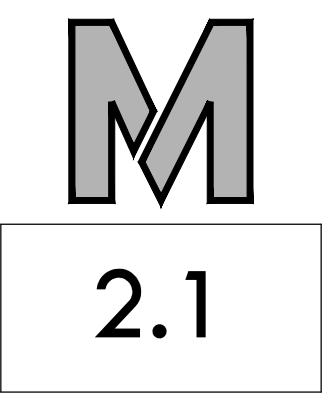
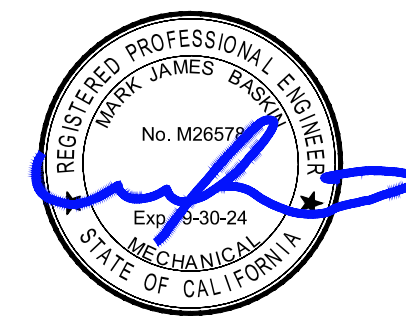
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

MECHANICAL PLAN BUILDING 'B' AND BUILDING 'C'

MARK	DATE	REVISIONS
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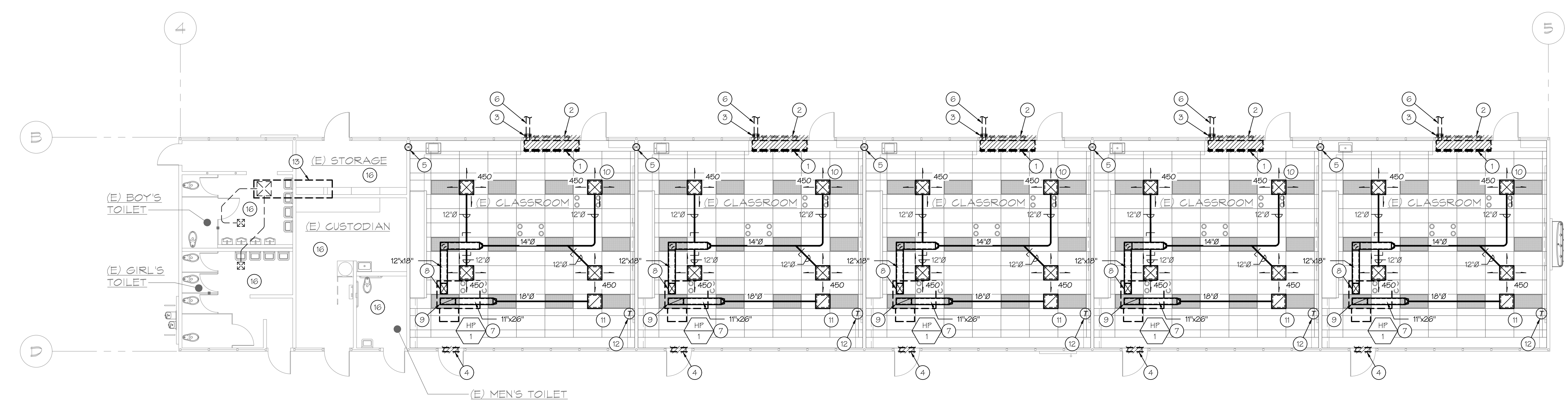
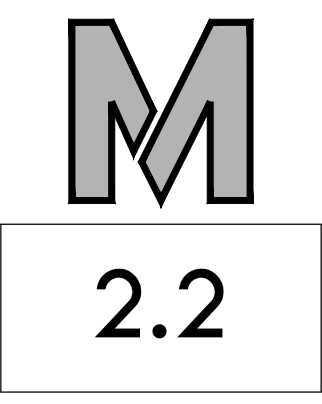
REGISTERED ARCHITECT
 STATE OF CALIFORNIA
 No. 11788
 JAN 11 2023
 STEPHEN CARROLL CARROLL AP

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

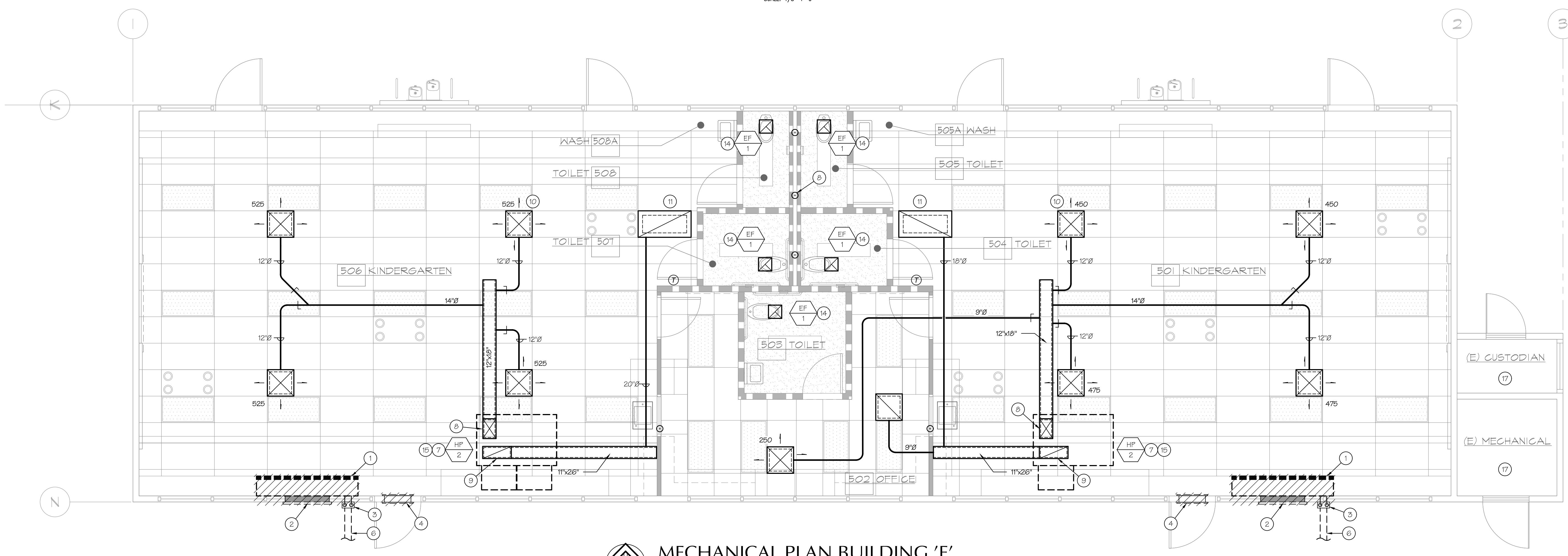
MECHANICAL PLAN BUILDING 'D' AND BUILDING 'E'

MARK	DATE	REVISIONS
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JOB NO.	1317
DRAWN:	B.S.
CHECKED:	M.B.
DATE:	8/5/21

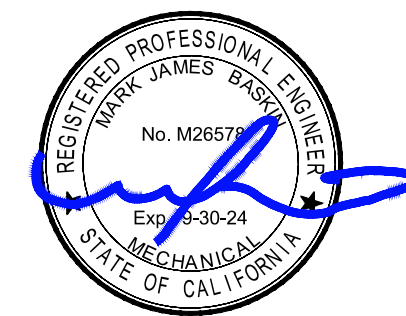


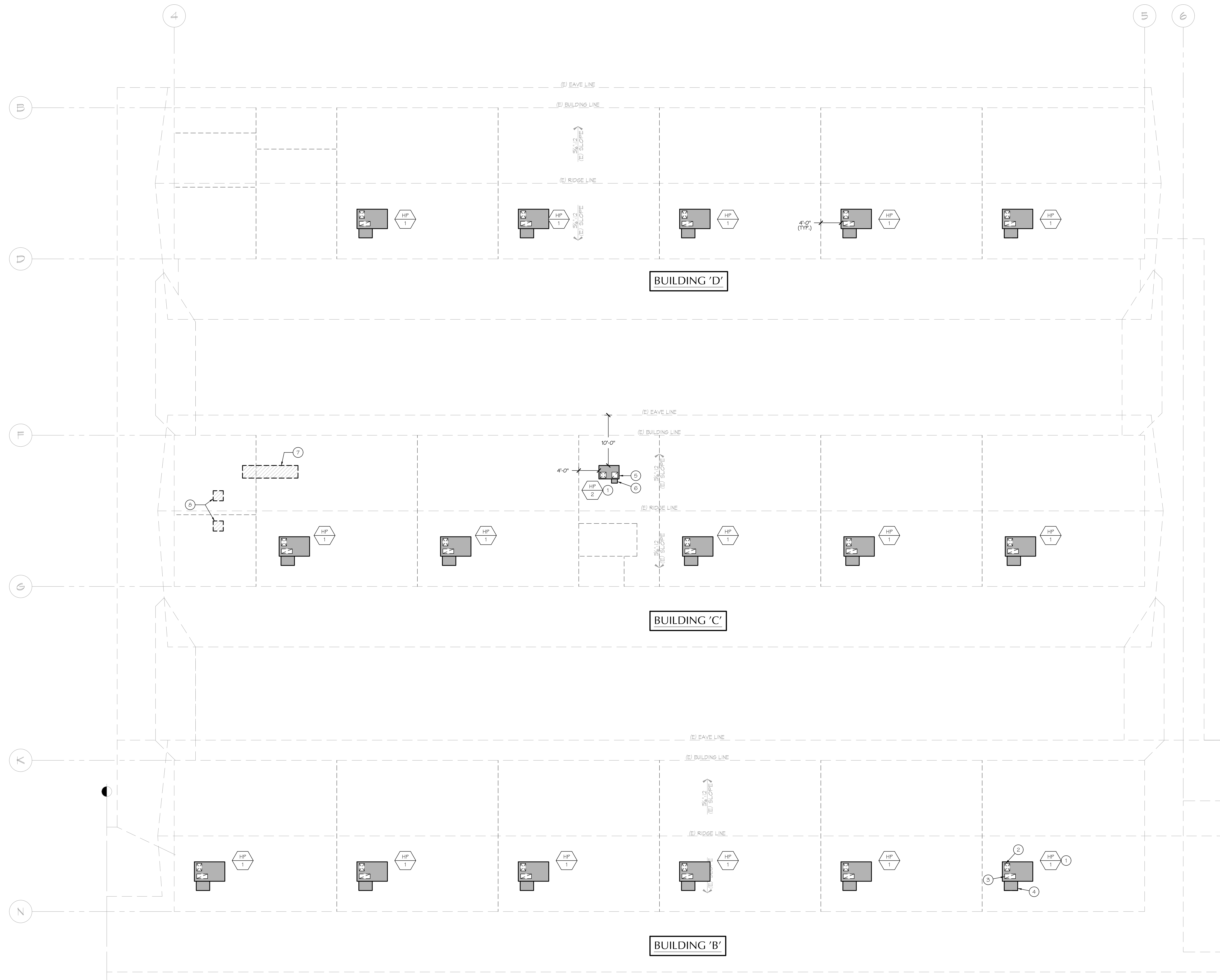
MECHANICAL PLAN BUILDING 'D'
 SCALE: 1/8"=1'-0"



MECHANICAL PLAN BUILDING 'E'
 SCALE: 1/4"=1'-0"

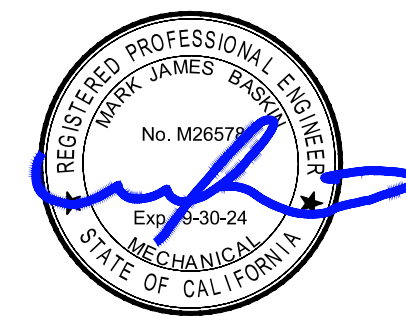
- MECHANICAL FLOOR PLAN KEY NOTES.**
1. REMOVE EXISTING FLOOR MOUNTED UNIT VENTILATOR, ALL RELATED MECHANICAL PIPING, CONDENSATE PIPING, CONTROLS, SUPPORTS, ANCHORAGE, ETC. PATCH EXISTING SURFACES TO MATCH EXISTING.
 2. REMOVE EXISTING OUTSIDE AIR LOUVERS. INFILL / PATCH WALL TO MATCH EXISTING.
 3. REMOVE EXISTING HYDRONIC AND CONDENSATE PIPING AND EXTERIOR CHASE. REMOVE PIPING TO 12" BELOW GRADE. CAP PIPING AND ABANDON IN PLACE.
 4. REMOVE EXISTING GRAVITY RELIEF VENT, DUCTWORK, RELIEF GRILLE, ETC. INFILL TO MATCH SURROUNDING CONSTRUCTION.
 5. EXISTING WASTE VENT, TYPICAL. CONFIRM EXACT LOCATION IN FIELD.
 6. ABANDON IN PLACE BELOW GRADE SITE HYDRONIC PIPING.
 7. ROOF MOUNTED HEAT PUMP UNIT. SEE MECHANICAL ROOF PLAN.
 8. 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL CM.1.
 9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL CM.1.
 10. CD-1, TYPICAL. SEE DETAIL A/M.1.
 11. CR-1 TYPICAL.
 12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN T5250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION. SEE TYP. DETAIL D/M.1.
 13. EXISTING MAKE-UP-AIR UNIT SERVING TOILET ROOMS TO REMAIN. NO WORK.
 14. DEMO EXISTING EXHAUST FAN AND INSTALL NEW EXHAUST FAN AND DISCHARGE DUCT. EXTEND TO CONNECTION AT EXISTING ROOF CAP.
 15. THIS HP UNIT TO HAVE INTERLOCK WITH FIRE ALARM PANEL FOR AUTOMATIC SHUT-DOWN. SEE DETAIL H/M.1.
 16. NO MECHANICAL WORK IN THIS ROOM.





- MECHANICAL ROOF PLAN KEY NOTES:**
1. NEW HP UNIT ON SLOPED ROOF CURB. SEE DETAIL A/M1.2. TYPICAL.
 2. 12" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 14" X 20" NET. TYPICAL.
 3. 26" X 11" RETURN DUCT RISER THRU ROOF WITH 1" LINER, 28" X 19" NET. TYPICAL.
 4. ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 150 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 400 CFM. TYPICAL.
 5. 10" X 12" SUPPLY AND RETURN DUCTS THRU ROOF WITH 1" LINER, 14" X 16" NET.
 6. MOTORIZED OUTSIDE AIR DAMPER. SET TO 100 CFM.
 7. EXISTING FURNACE ON ROOF. INTERLOCK START / STOP WITH PELICAN WIRELESS SYSTEM.
 8. EXISTING EXHAUST FAN ON ROOF. INTERLOCK START / STOP WITH PELICAN WIRELESS SYSTEM.

MECHANICAL PARTIAL ROOF BUILDING 'B', 'C' & 'D'
SCALE: 1/8"=1'-0"

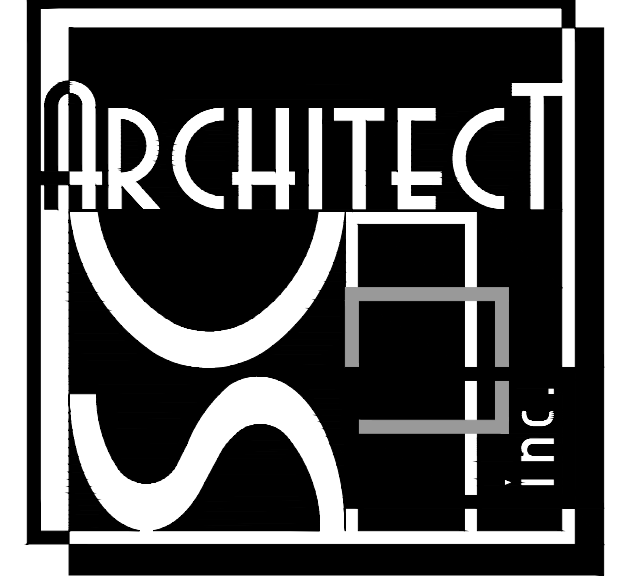


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Job: 21146
Plt: 12-13-22

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 07/05/2023

PTN: 63321- FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



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STEPHEN J. CARR, ALLIED -AP
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MECHANICAL PARTIAL ROOF BUILDING 'B', 'C' & 'D'

MARK	DATE	REVISIONS
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M
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[Signature]
 STEPHEN COOK, ARCH. ALL. REG. #AP

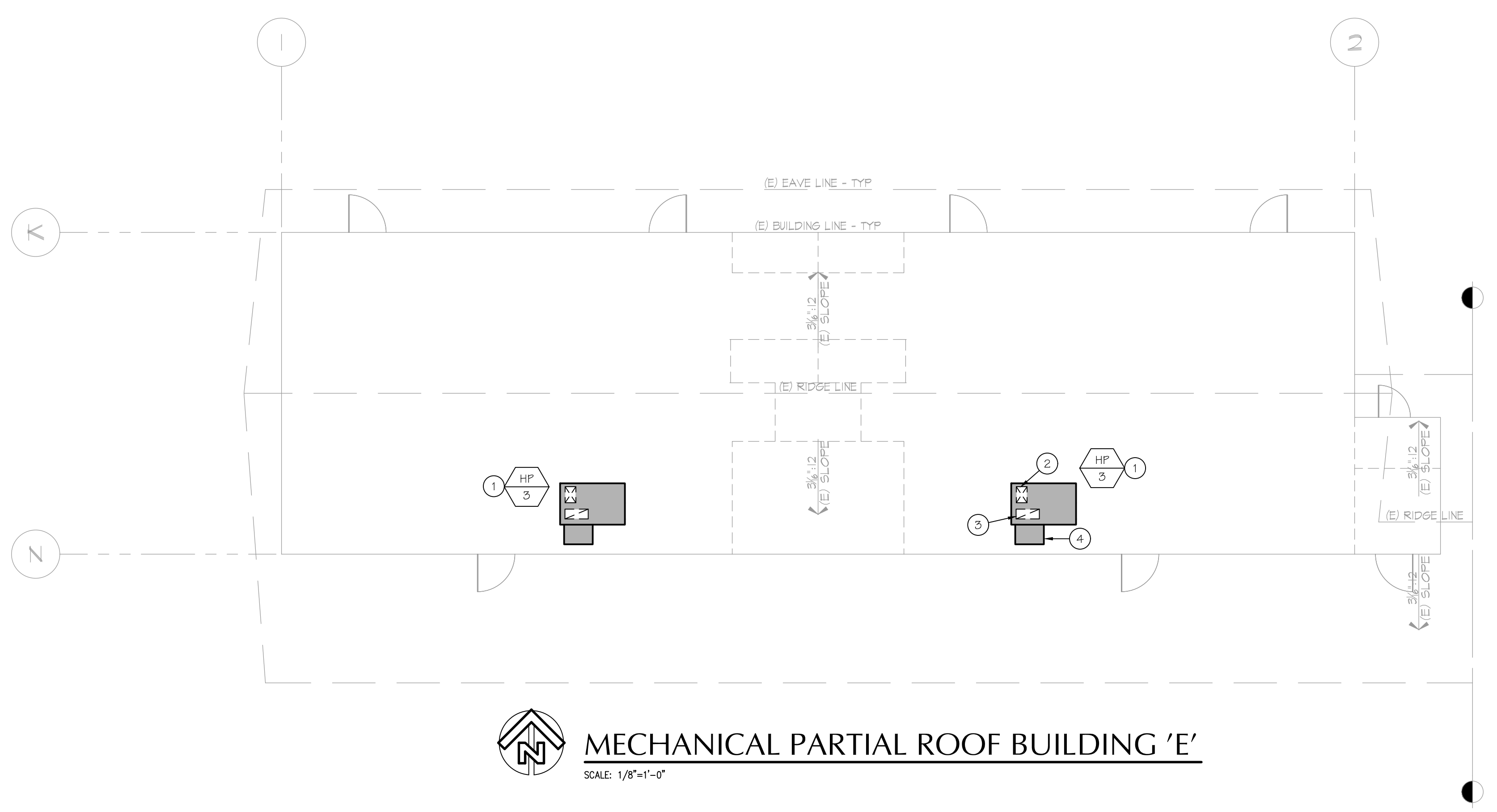
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MECHANICAL PARTIAL ROOF BUILDING 'E'

MARK	DATE	REVISIONS
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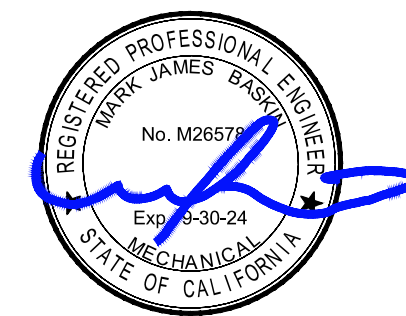
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1317
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 M.B.
 DATE:
 8/5/21

M
6.2



MECHANICAL PARTIAL ROOF BUILDING 'E'
 SCALE: 1/8"=1'-0"

- MECHANICAL ROOF PLAN KEY NOTES:**
1. NEW HP UNIT ON SLOPED ROOF CURB. SEE DETAIL A/M12, TYPICAL.
 2. 14" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 16" X 21" NET, TYPICAL.
 3. 26" X 11" RETURN DUCT RISER THRU ROOF WITH 1" LINER, 28" X 15" NET, TYPICAL.
 4. ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 200 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 500 CFM. TYPICAL.



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 Fresno, CA 93721
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STATE OF CALIFORNIA
Mechanical Systems
NRC-CMCH-E

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Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
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CERTIFICATE OF COMPLIANCE (Page 3 of 16)
Project Name: Roosevelt Elementary HVAC Upgrades Bid B
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

A. GENERAL INFORMATION

01 Project Location (City)	Bakersfield	04 Total Conditioned Floor Area	4800
02 Climate Zone	13	05 Total Unconditioned Floor Area	0
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	1
<input type="checkbox"/> Office (B)	<input type="checkbox"/> Retail (M)	<input type="checkbox"/> Non-refrigerated Warehouse (S)	
<input type="checkbox"/> Hotel/ Motel Guest Rooms (R-1)	<input type="checkbox"/> School (E)	<input type="checkbox"/> Healthcare Facility (H)	
<input type="checkbox"/> High-Rise Residential (R-2/R-3)	<input type="checkbox"/> Recreational Class Bldg (E)	<input checked="" type="checkbox"/> Other (write in):	See Table J

B. PROJECT SCOPE
This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0b(2) for alterations.

01 Air Systems	02 Wet System Components	03 Dry System Components
<input checked="" type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input checked="" type="checkbox"/> Air Economizer
<input checked="" type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
<input checked="" type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> System Piping	<input checked="" type="checkbox"/> Fan Systems
<input checked="" type="checkbox"/> Chillers	<input type="checkbox"/> Cooling Towers	<input checked="" type="checkbox"/> Ductwork (existing to remain, altered or new)
<input type="checkbox"/> Boilers	<input type="checkbox"/> Ventilation	<input type="checkbox"/> Zonal Systems/Terminal Boxes

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C. COMPLIANCE RESULTS
Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES WITH EXCEPTIONAL CONDITIONS" refer to Table D, or the table indicated as not compliant for guidance.

01 System Summary §110.1, §110.2, §140.4	AND	02 Pumps §140.4(b)	AND	03 Fans/Economizers §140.4(c), §140.4(e)	AND	04 System Controls §110.2, §120.2, §140.4(i)	AND	05 Ventilation §120.1	AND	06 Terminal Box Controls §140.4(g)	AND	07 Distribution §120.3, §140.4(i)	AND	08 Cooling Towers §110.2(b)(2)	COMPLIANCE RESULTS
(See Table F)	AND	(See Table G)	AND	(See Table H)	AND	(See Table I)	AND	(See Table J)	AND	(See Table K)	AND	(See Table L)	AND	(See Table M)	COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
This table is used to demonstrate compliance for mechanical equipment with mandatory requirements found in §110.1 and §110.2(a) and prescriptive requirements found in §140.4(i), §140.4(j), and §140.4(k) or §141.0b(2) for alterations.

Name or Item Tag	Equipment Category per Tables 110.2-2	Equipment Type per Tables 110.2 / Title 20	Smallest Size Available ¹ §140.4(a)	Equipment Sizing per Mechanical Schedule (kBtu/h)				Total Heating Load (kBtu/h)	Total Cooling Load (kBtu/h)	
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)			Rated (kBtu/h)
HP-1 / B-1	Unitary Heat Pumps	Air-cooled, pkg (3 phase)	NA: Load Controls	70.44	54.86	36.18	55.65	46.32	59.29	62.08
HP-1 / B-2	Unitary Heat Pumps	Air-cooled, pkg (3 phase)	NA: Load Controls	70.44	54.86	36.18	53.92	46.32	56.45	59.57
HP-1 / B-3	Unitary AC/ Condensers	AC, air-cooled pkg (3 phase)	NA: Load Controls	49	49	0	52.26	44.73	56.19	59.79
HP-1 / B-4	Unitary AC/ Condensers	AC, air-cooled pkg (3 phase)	NA: Load Controls	49	49	0	52.26	44.73	56.19	59.79
HP-1 / B-5	Unitary AC/ Condensers	AC, air-cooled pkg (3 phase)	NA: Load Controls	49	49	0	52.29	44.73	59.04	61.39

FOOTNOTES:
1 Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(j). Healthcare facilities are exempt.
2 It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
3 If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
4 Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(i).

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G. PUMPS
This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS
This table is used to demonstrate compliance with prescriptive requirements found in §140.4(i), §140.4(j), and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	HP-1 / B-1	Economizer ¹	Fixed Temperature	Economizer Controls	Designed per §140.4(i) and (m)		System Fan Type	Variable Air Volume
					04	06		
HP-1 / B-1								
HP-1 / B-2								
HP-1 / B-3								
HP-1 / B-5								

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I. VENTILATION AND INDOOR AIR QUALITY

Space Name of Item Tag	Occupancy Type ^a	Conditioned Floor Area (ft ²)	# of Shower heads/ toilets	# of people ^b	Mechanical Ventilation Required per §120.1(c)(3) ³		Exh. Vent per §120.1(c)(4)	DCV or Sensor Controls per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) ⁶	
					Required Min OA CFM	Provided per Design CFM		DCV	Provided per §120.1(d)(4)
Classroom B2	Lecture/ postsecondary classroom	960		364.8	0	0			
Classroom B4	Lecture/ postsecondary classroom	960		364.8	0	0			
Classroom B3	Lecture/ postsecondary classroom	960		364.8	0	0			
Classroom B5	Lecture/ postsecondary classroom	960		364.8	0	0			

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J. SYSTEM CONTROLS
This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2, and prescriptive controls in §140.4(j) and (n) or requirements in §141.0b(2) for altered space conditioning systems.

System Name	System Zoning	Conditioned Floor Area Being Served (ft ²)	Thermostats §110.2(b) & (c) ¹ , §120.2(b)(2) & (3), §141.0b(2)(E)	Shut-Off Controls §120.2(b)	Isolation Zone Controls §120.2(a)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(k)	Window Interlocks per §140.4(n)
HP-1 / B-1	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
HP-1 / B-2	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
HP-1 / B-3	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
HP-1 / B-4	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
HP-1 / B-5	Single zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided

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K. VENTILATION AND INDOOR AIR QUALITY

System Name	HP-1 / B-1	System Design OA CFM Airflow ²	365	System Design Transfer Air CFM	0	Air Filtration per §120.1(c) and §141.0b(2) ⁷ Provided per §120.1(c) (NR and Hotel/Motel)		
							08	09
HP-1 / B-1								

STATE OF CALIFORNIA
Mechanical Systems
NRC-CMCH-E

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Registration Date/Time: Report Version: 2019.1.003
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L. SYSTEM CONTROLS

System Name	HP-1 / B-3	System Design OA CFM Airflow ²	365	System Design Transfer Air CFM	0	Air Filtration per §120.1(c) and §141.0b(2) ⁷ Provided per §120.1(c) (NR and Hotel/Motel)		
							08	09
HP-1 / B-3								

STATE OF CALIFORNIA
Mechanical Systems
NRC-CMCH-E

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
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M. VENTILATION AND INDOOR AIR QUALITY

System Name	HP-1 / B-5	System Design OA CFM Airflow ²	365	System Design Transfer Air CFM	0	Air Filtration per §120.1(c) and §141.0b(2) ⁷ Provided per §120.1(c) (NR and Hotel/Motel)		
							08	09
HP-1 / B-5								

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
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Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
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Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
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ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
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BUILDING 'B'
TITLE-24

MARK	DATE	REVISIONS
▲		
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JOB NO. 1317
DRAWN: B.S.
CHECKED: M.B.
DATE: 8/5/21

M 7.0



BASKIN MECHANICAL ENGINEERS

175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21146
Pit: 12-13-22

NRCC-MCH-E
CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

A. GENERAL INFORMATION
01 Project Location (City): Bakersfield
02 Climate Zone: 13
03 Occupancy Types Within Project: Office (O), Retail (M), Hotel/Motel Guest Rooms (R-1), High-Rise Residential (R-2/R-3)

B. PROJECT SCOPE
01 Air System(s): Heating Air System, Cooling Air System, Mechanical Controls
02 Wet System Components: Water Economizer, Pumps, System Piping, Cooling Towers, Chillers, Boilers
03 Dry System Components: Air Economizer, Electric Resistance Heat, Fan Systems, Dustwork (existing to remain, altered or new), Ventilation, Zonal Systems/Terminal Boxes

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NRCC-MCH-E
CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
Table with columns: Equipment Category, Equipment Type, Smallest Size Available, Per Design, Rated, Supp. Heating Output, Sensible Per Design, Rated, Total Heating Load, Total Sensible Cooling Load.
HP-1 / E-1: Unitary Heat Pumps, Air-cooled, pkg (3 phase), NA: Load Controls, 75.87, 63.55, 36.18, 66.92, 55.3, 76.17, 80.52
HP-2 / E-2: Unitary Heat Pumps, Air-cooled, pkg (3 phase), NA: Load Controls, 75.87, 63.55, 36.18, 67.31, 55.3, 86.81, 89.88

G. PUMPS
This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS
Table with columns: System Name, Fan Function, Qty, Maximum Design Supply Airflow, HP Unit, Design HP, Fan Power Pressure Drop Adjustment, Variable Air Volume.
SF Supply 1 2100 BHP 0.83

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NRCC-MCH-E
CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

L. VENTILATION AND INDOOR AIR QUALITY
Table with columns: Space Name, Occupancy Type, Conditioned Floor Area, # of Shower heads/toilets, # of people, Required Min OA CFM, Required Min CFM, Provided per Design CFM, DCV or Sensor Controls, DCV, Occ Sensor, NA: Not required space type, NA: Not required space type.
Classroom E2: Lecture/postsecondary classroom, 1230, 0, 467.4, 0, 0, DCV, NA: Not required space type, NA: Not required space type
Work Room: Office space, 236, 0, 35.4, 0, 0, DCV, NA: Not required space type, NA: Not required space type

FOOTNOTES:
1 Air filtration requirements apply to the following three system types per 9120.11(c)(1): space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.
2 Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.
3 See Standards Tables 120.1-A and 120.1-B.
4 For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.
5 9120.11(c)(2) requires systems serving rooms that are required by 9120.11(c)(1) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices, 2000 or smaller, multipurpose rooms less than 1,000 sq ft, classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 9120.11(c).

M. TERMINAL BOX CONTROLS
This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK AND PIPING)
This table is used to show compliance with mandatory pipe insulation requirements found in 9120.3 and prescriptive requirements found in 9120.4(f) for duct leakage testing.
Duct Leakage Sealing
Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: EnergoSoft
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CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

C. COMPLIANCE RESULTS
Table with columns: System Name, Pumps, Fans/Air Economizers, System Controls, Ventilation, Terminal Box Controls, Distribution, Cooling Towers, Compliance Results.
System Summary: 9120.3, 9120.2, 9120.4, 9140.4(a), 9140.4(b), 9140.4(c), 9140.4(d), 9120.1, 9120.3, 9140.4(f), 9110.2(a)(2), Compliance Results: COMPLES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

H. FAN SYSTEMS & AIR ECONOMIZERS
Table with columns: System Name, Fan Function, Qty, Maximum Design Supply Airflow, HP Unit, Design HP, Fan Power Pressure Drop Adjustment, Variable Air Volume.
SF Supply 1 2100 BHP 0.83

I. SYSTEM CONTROLS
Table with columns: System Name, System Zoning, Conditioned Floor Area, Thermostats, Shut Off Controls, Isolation Zone Controls, Demand Response, Supply Air Temp. Reset, Window Interlocks per.
HP-1 / E-1: Single zone, <= 25,000 ft², Setback, Auto Timer Switch, 4 Hour Timer, EMCS, Included, Provided
HP-2 / E-2: Single zone, <= 25,000 ft², Setback, Auto Timer Switch, 4 Hour Timer, EMCS, Included, Provided

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CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
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L. DISTRIBUTION (DUCTWORK AND PIPING)
The answers to the questions below apply to the following duct systems: HP-1 / E-1 Duct leakage testing triggered for these systems? No
11 No The scope of the project includes only duct systems serving healthcare facilities
12 Yes Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13 Yes The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14 No The combined surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system:
Outdoors
In a space directly under a roof that has a U-factor greater than the u-factor of the ceiling, or if the roof does not meet the requirements of 9140.3(a)(1) or if the roof has fixed vents or openings to the outside/unconditioned spaces
In an unconditioned crawl space
In other unconditioned spaces
15 The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16 The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17 Yes Duct system shall be sealed in accordance with the California Mechanical Code

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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NRCC-MCH-E
CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
Table with columns: Equipment Category, Equipment Type, Smallest Size Available, Per Design, Rated, Supp. Heating Output, Sensible Per Design, Rated, Total Heating Load, Total Sensible Cooling Load.
HP-1 / E-1: Unitary Heat Pumps, Air-cooled, pkg (3 phase), NA: Load Controls, 75.87, 63.55, 36.18, 66.92, 55.3, 76.17, 80.52
HP-2 / E-2: Unitary Heat Pumps, Air-cooled, pkg (3 phase), NA: Load Controls, 75.87, 63.55, 36.18, 67.31, 55.3, 86.81, 89.88

FOOTNOTES:
1 Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 9140.4(f). Healthcare facilities are exempt.
2 It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
3 If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
4 Authority Having Jurisdiction may ask for load calculations used for compliance per 9140.4(b).

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CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
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Date Prepared: 12/9/2022

J. VENTILATION AND INDOOR AIR QUALITY
Table with columns: System Name, System Design OA CFM, System Design Transfer Air CFM, Air Filtration per 9120.11(c) and 9141.0012, Exh. Vent per 9120.11(c)(4), DCV or Sensor Controls per 9120.11(d), 9120.11(d)(5), and 9120.11(d)(8), DCV, Occ Sensor, NA: Not required space type.
HP-1 / E-1: System Design OA CFM 468, System Design Transfer Air CFM 0, Air Filtration per 9120.11(c) and 9141.0012 2, Provided per 9120.11(c) (RR and Hotel/Motel) 16
Classroom E1: Lecture/postsecondary classroom, 1230, 467.4, 0, 0, DCV, Occ Sensor, NA: Not required space type

M. COOLING TOWERS
This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

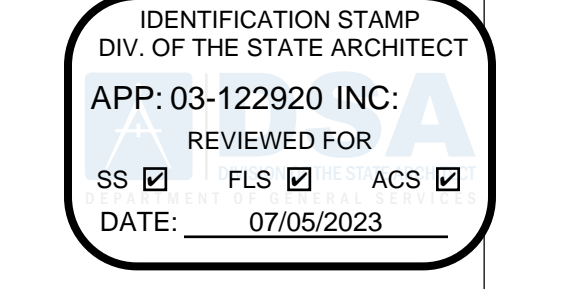
Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: EnergoSoft
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NRCC-MCH-E
CERTIFICATE OF COMPLIANCE
Project Name: Roosevelt Elementary HVAC Upgrades Bid I
Project Address: 2324 Verde Street
Date Prepared: 12/9/2022

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

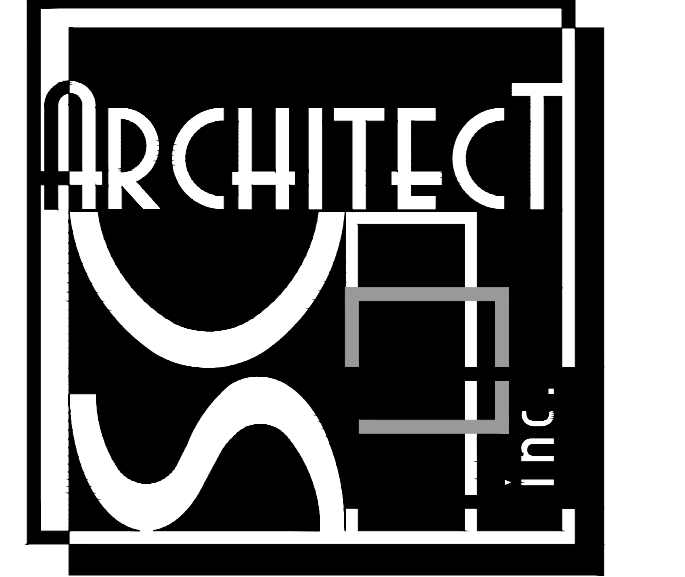
Form/Title: NRCA-MCH-03-A- Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.
NRCA-MCH-05-A - Air Economizer Controls
NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 9120.11(c)(1)) can vary outside ventilation flow rates based on maintaining indoor carbon dioxide (CO2) concentration setpoints.
NRCA-MCH-11-A Automatic Demand Shed Controls
NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
NRCA-MCH-16-A Supply Air Temperature Reset Controls
NRCA-MCH-18-A Energy Management Control Systems

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: EnergoSoft
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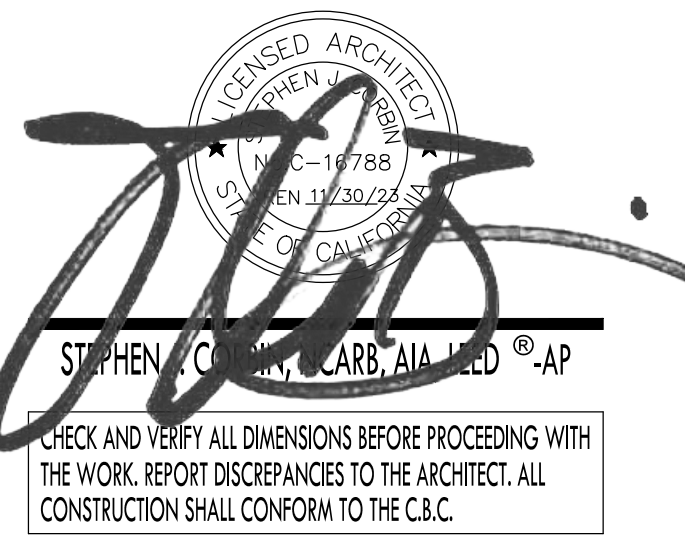


PTN: 63321- FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



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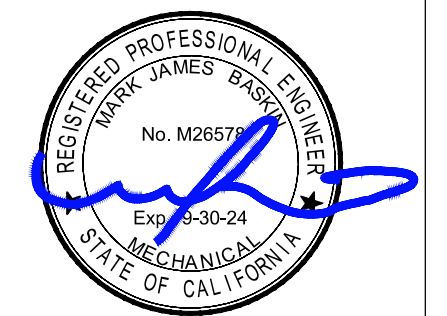
BUILDING 'E'
TITLE-24

MARK DATE REVISIONS

▲		
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JOB NO. 1317
DRAWN: B.S.
CHECKED: M.B.
DATE: 8/5/21

M
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175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21146
Pit: 12-13-22

IDENTIFICATION STAMP
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 APP: 03-122920 INC:
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 SS FLS ACS
 DATE: 07/05/2023

PTN: 63321- FILE: 15-6

STATE OF CALIFORNIA
Mechanical Systems
 NRCC-MCH-E CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-E
 Project Name: Roosevelt Elementary HVAC Upgrades Bid I Report Page: (Page 10 of 11)
 Project Address: 2324 Verde Street Date Prepared: 12/9/2022

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
 There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION
 This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

Measure ID	Documentation Location
02	M-Sheets

Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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STATE OF CALIFORNIA
Mechanical Systems
 NRCC-MCH-E CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-E
 Project Name: Roosevelt Elementary HVAC Upgrades Bid I Report Page: (Page 11 of 11)
 Project Address: 2324 Verde Street Date Prepared: 12/9/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Mark Baskin	Documentation Author Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 2022-12-09
Address: 175 Fulton St.	CAIA/HERS Certification Identification (if applicable):
City/State/Zip: Fresno CA 93721	Phone: (559) 237-0376

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Mark Baskin, P.E.	Responsible Designer Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Date Signed: 2022-12-09
Address: 175 Fulton	License: M26578
City/State/Zip: Fresno CA 93721	Phone: (559) 237-0376

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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 Registration Provider: Energysoft Report Generated: 2022-12-09 16:07:50

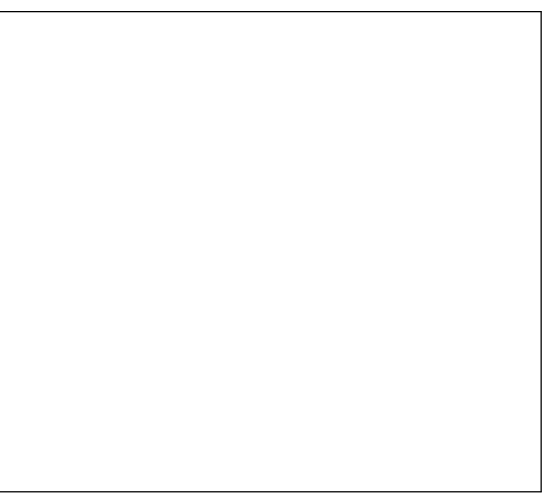
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 BAKERSFIELD, KERN COUNTY, CALIFORNIA



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 Exp. 8/30/24
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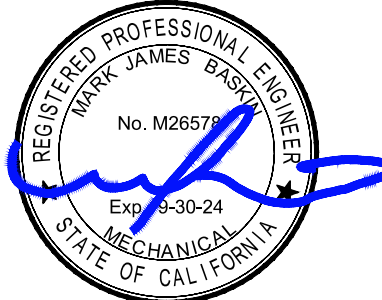
BUILDING 'E'
 TITLE-24

MARK	DATE	REVISIONS
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JOB NO. 1317
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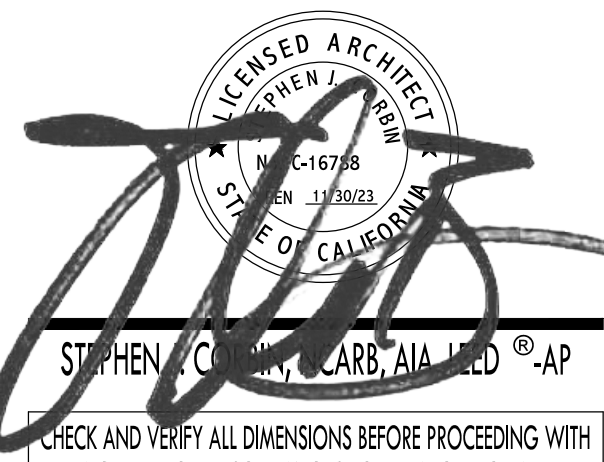
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 Job: 21146
 Plt: 12-13-22



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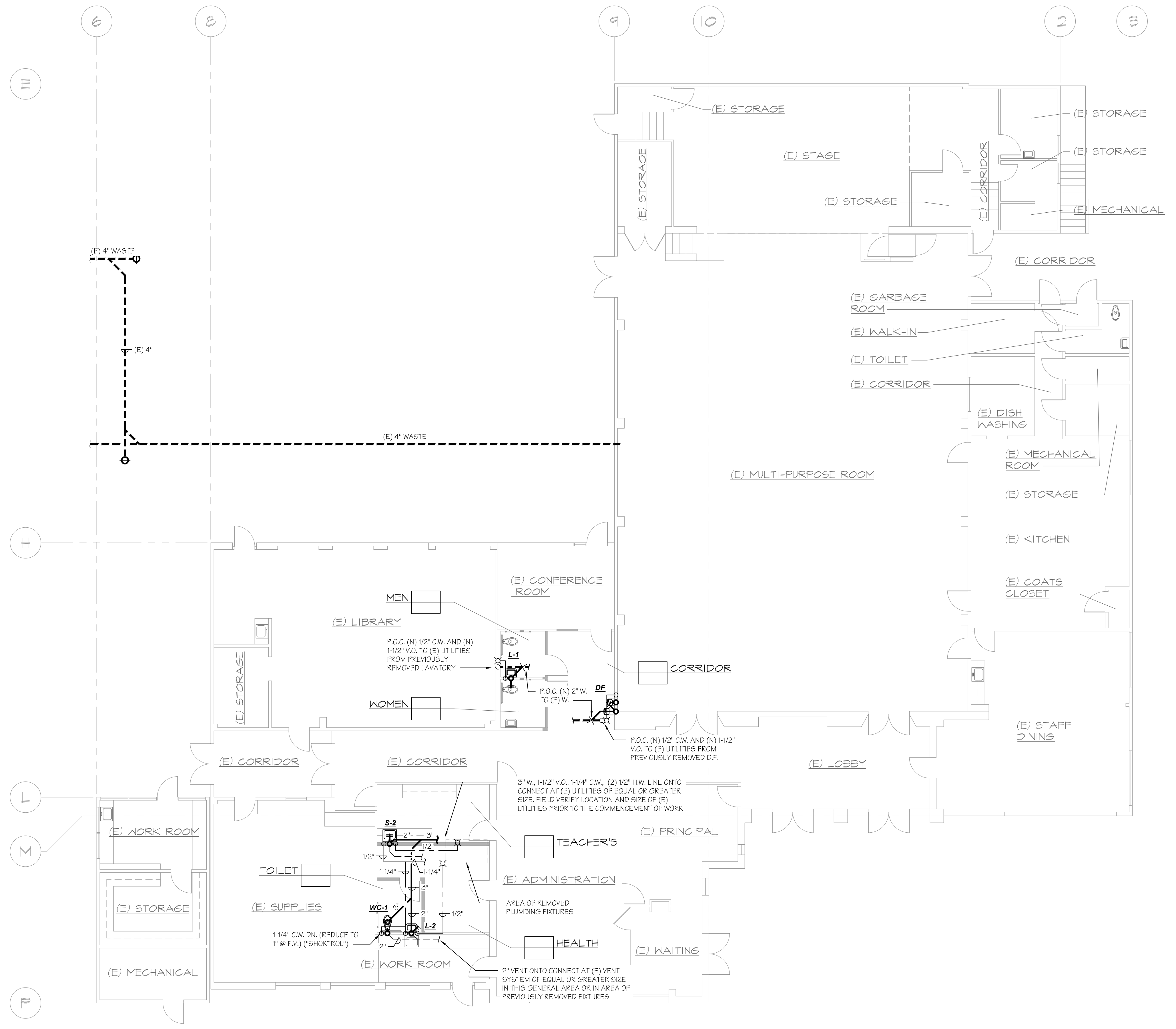
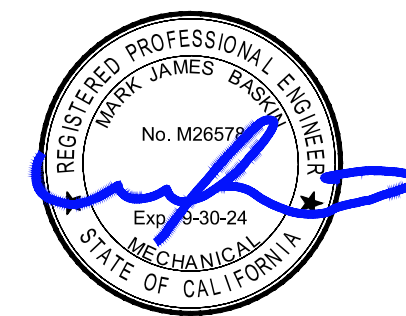
PLUMBING PLAN & DEMO PLAN - BUILDING 'A'

MARK	DATE	REVISIONS
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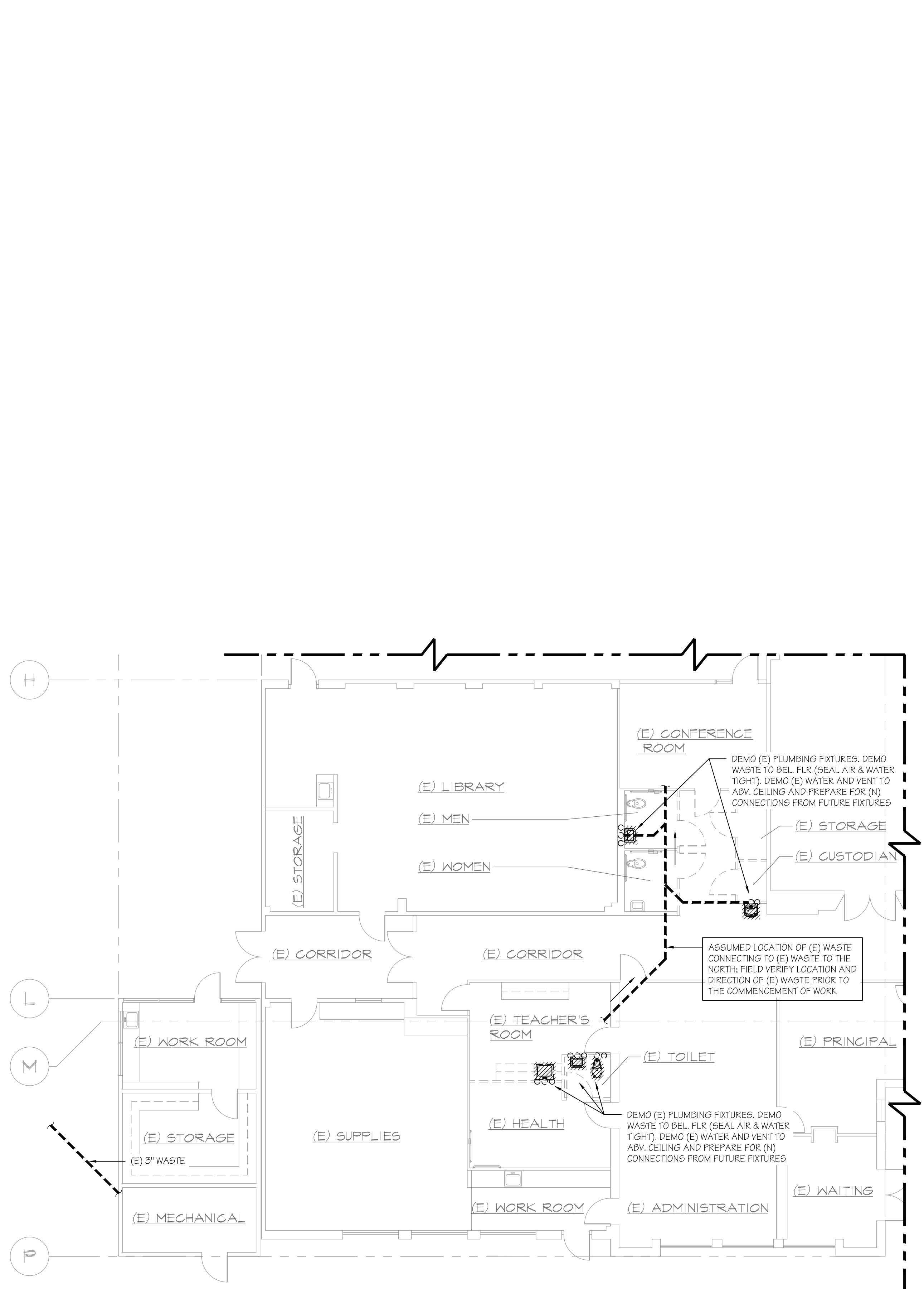
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 Job: 21146
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PLUMBING PLAN BUILDING 'A'
 SCALE: 1/8"=1'-0"

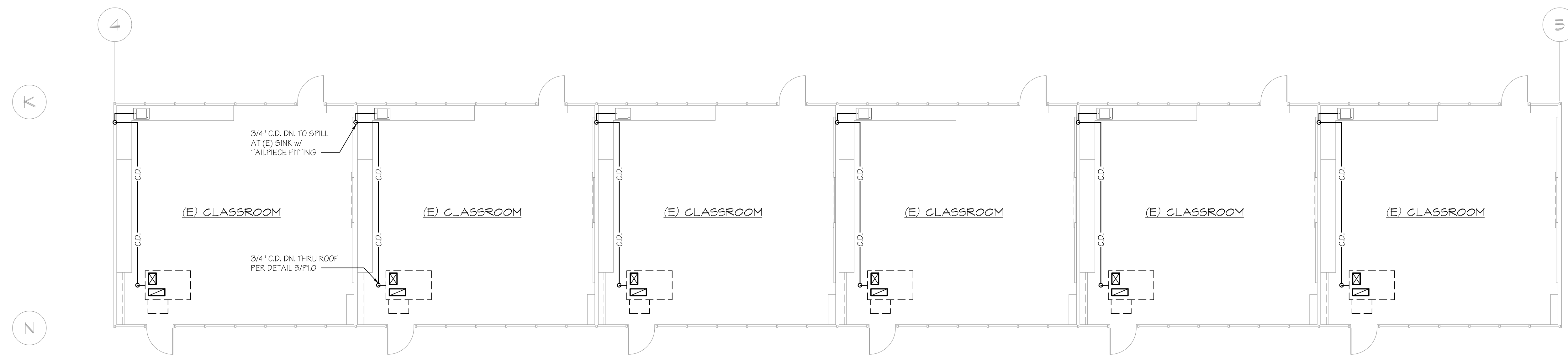


PARTIAL PLUMBING DEMO PLAN BUILDING 'A'
 SCALE: 1/8"=1'-0"

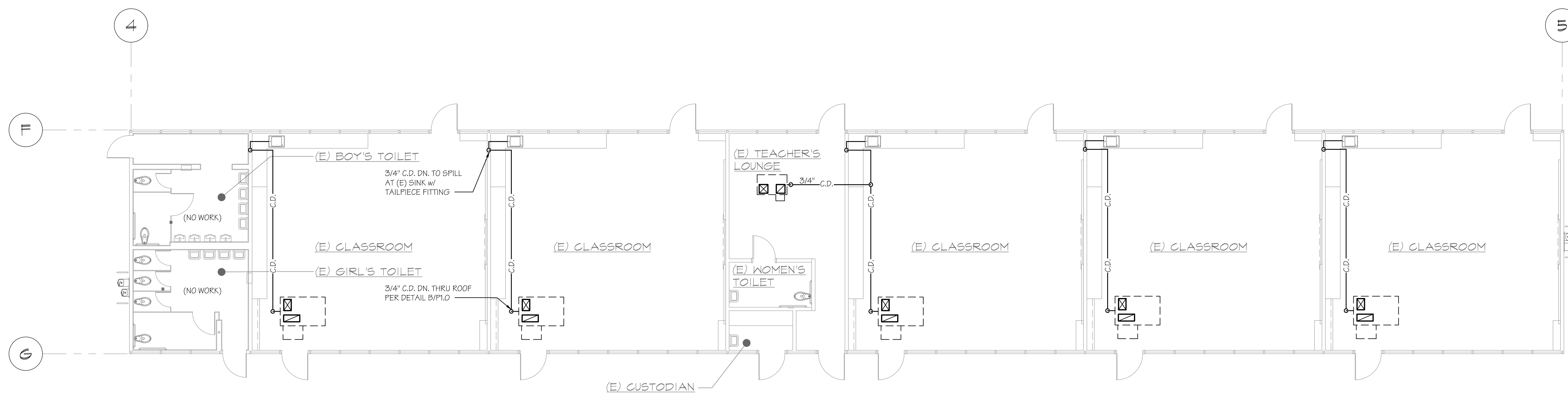


IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122920 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/05/2023

PTN: 63321- FILE: 15-6



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

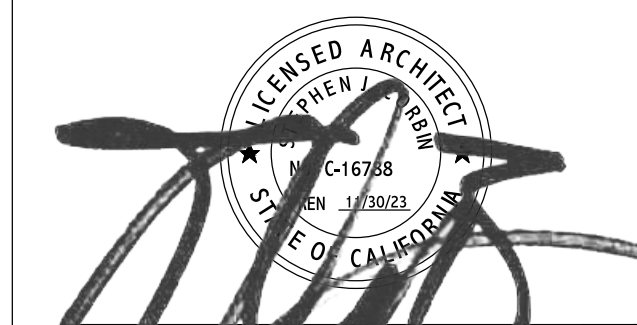


PLUMBING PLAN BUILDING 'C'
 SCALE: 1/8"=1'-0"

ROOSEVELT ELEMENTARY SCHOOL
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 FOR
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PLUMBING PLAN BUILDINGS 'B' & 'C'

MARK	DATE	REVISIONS
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REGISTERED PROFESSIONAL ARCHITECT
 STATE OF CALIFORNIA
 No. 11478
 Exp. 11/30/23
 STEPHEN COLEMAN, ARCH. ALL NEED -AP
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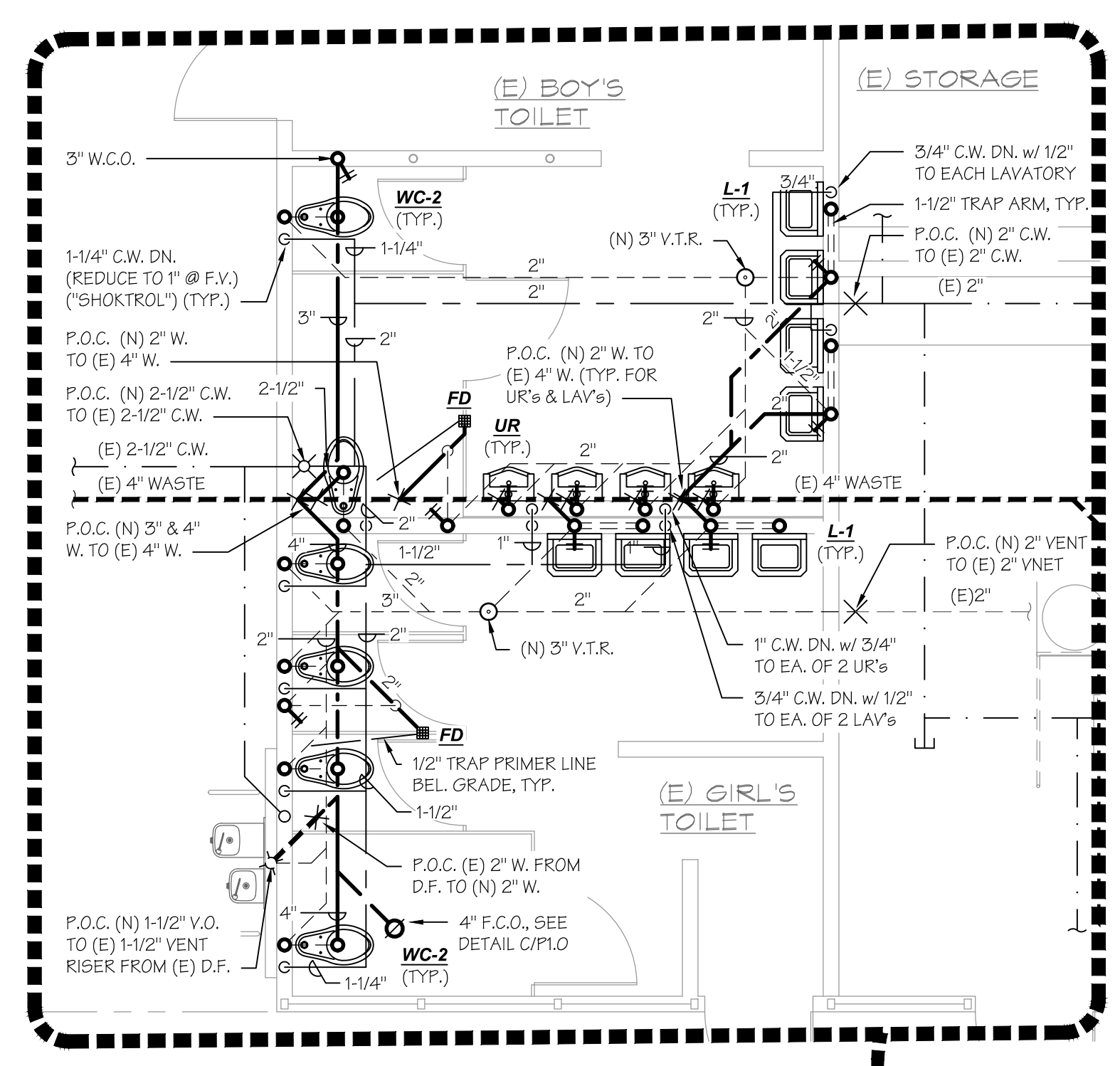
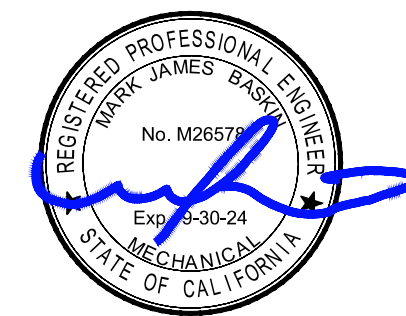
PLUMBING PLAN & DEMO PLAN - BUILDING 'D'

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JOB NO.
1317
 DRAWN:
 B.S.
 CHECKED:
 M.B.
 DATE:
 8/5/21

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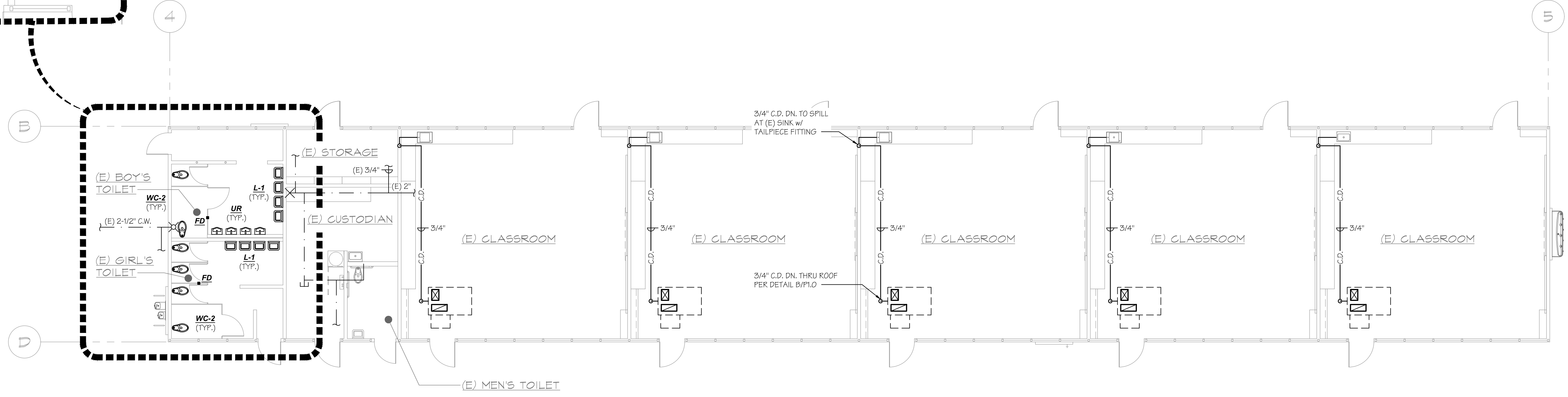
bme BASKIN MECHANICAL ENGINEERS
 175 Fulton Street
 Fresno, CA 93721
 Tel: (559) 237-0376
 Job: 21146
 Pjt: 12-13-22



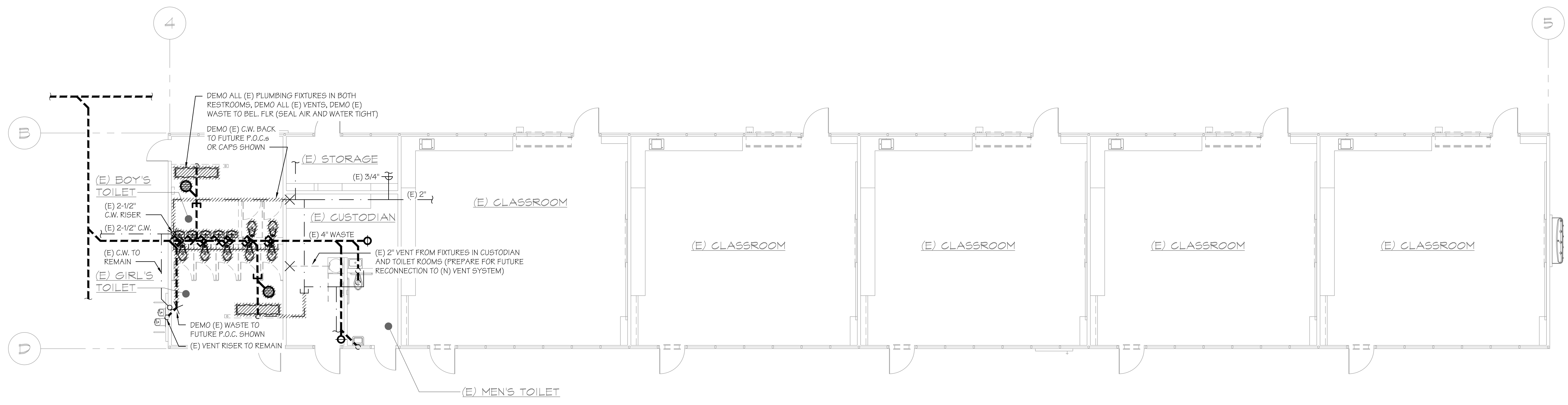
C.W. Calc's (Velocity):

6 W.C.	@ 5	Fixt. Units = 30
4 U.R.	@ 4	Fixt. Units = 16
9 LAV's	@ 1	Fixt. Units = 9
3 D.F.	@ 0.5	Fixt. Units = 1.5
5 Sink	@ 1.5	Fixt. Units = 7.5
1 F.T. W.C.	@ 2.5	Fixt. Units = 2.5
1 S.S.	@ 3	Fixt. Units = 3
TOTAL		Fixt. Units = 69.5

59 CPM =
 2" C.W. @
 6 F.P.S. Velocity & 3 P.S.I. friction loss/100'
 OR
 2-1/2" C.W. @
 4.1 F.P.S. Velocity & 1.4 P.S.I. friction loss/100'



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



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

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-122920 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/05/2023

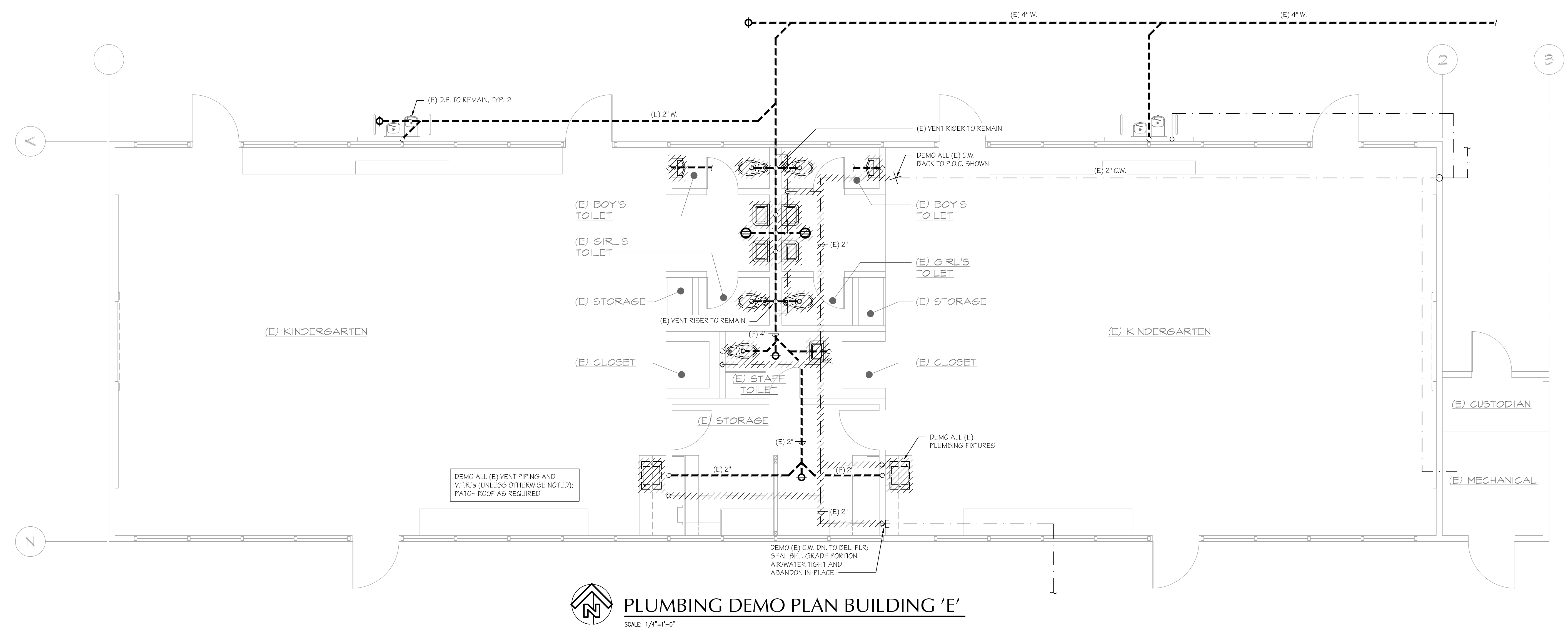
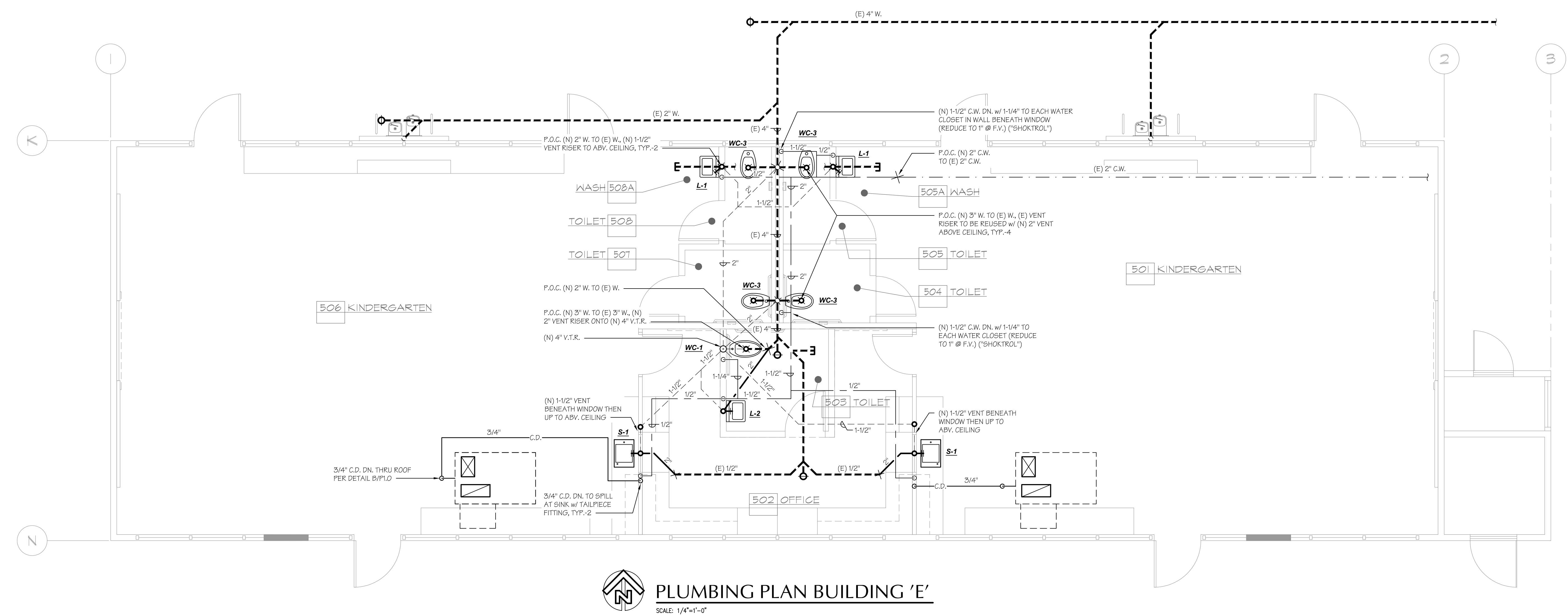
PTN: 63321- FILE: 15-6

ROOSEVELT ELEMENTARY SCHOOL
 MODERNIZATION
 2324 VERDE STREET
 FOR
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
 BAKERSFIELD, CA 93309
 PH: (661) 397-4377
 FAX: (661) 397-4378
 WWW.SCARCHITECT.COM

STEPHEN C. CARP, ARCHITECT
 LICENSED ARCHITECT
 No. 12823
 STATE OF CALIFORNIA
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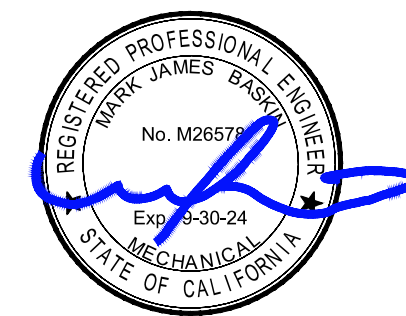


PLUMBING PLAN & DEMO PLAN - BUILDING 'E'

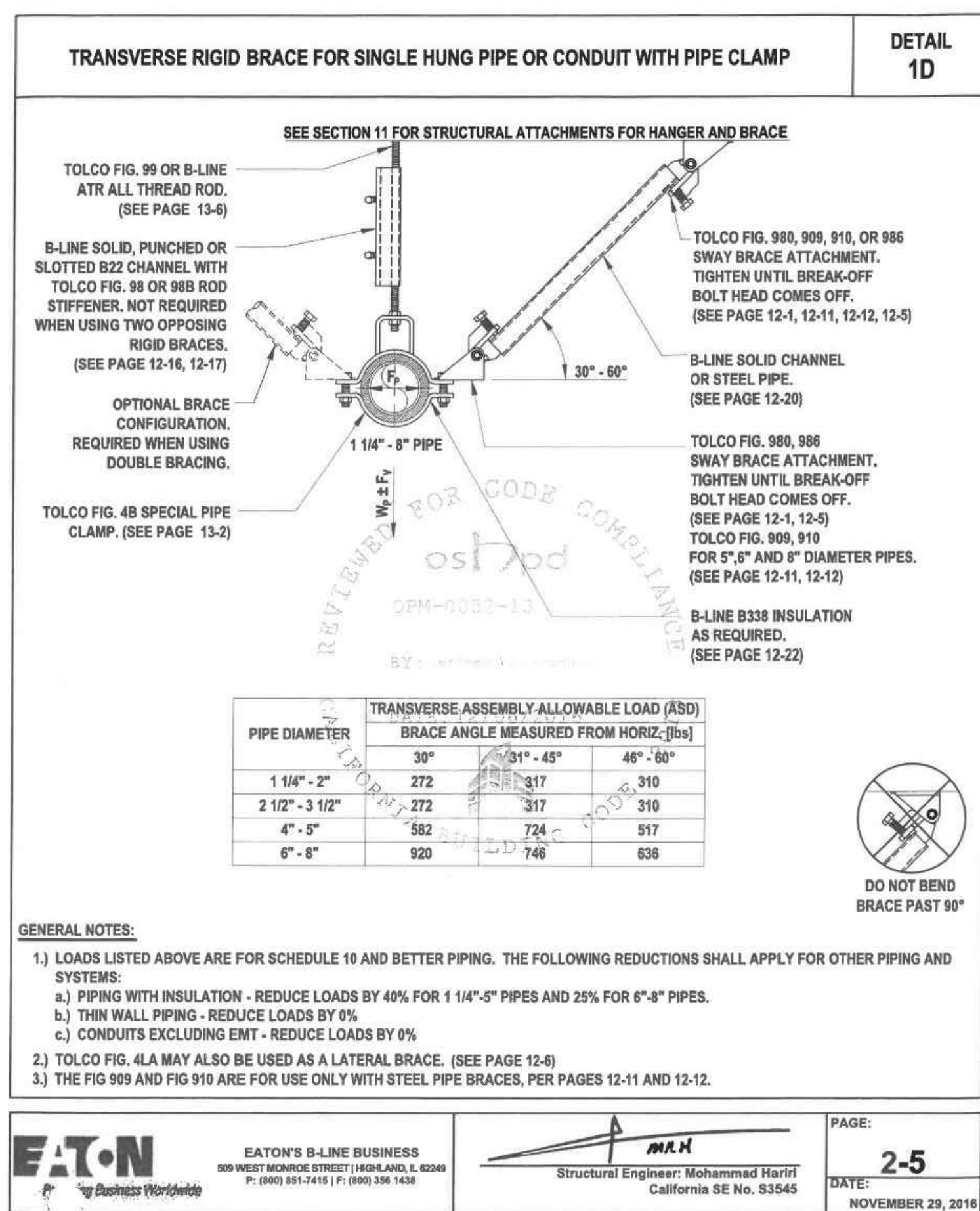
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 DRAWN: B.S.
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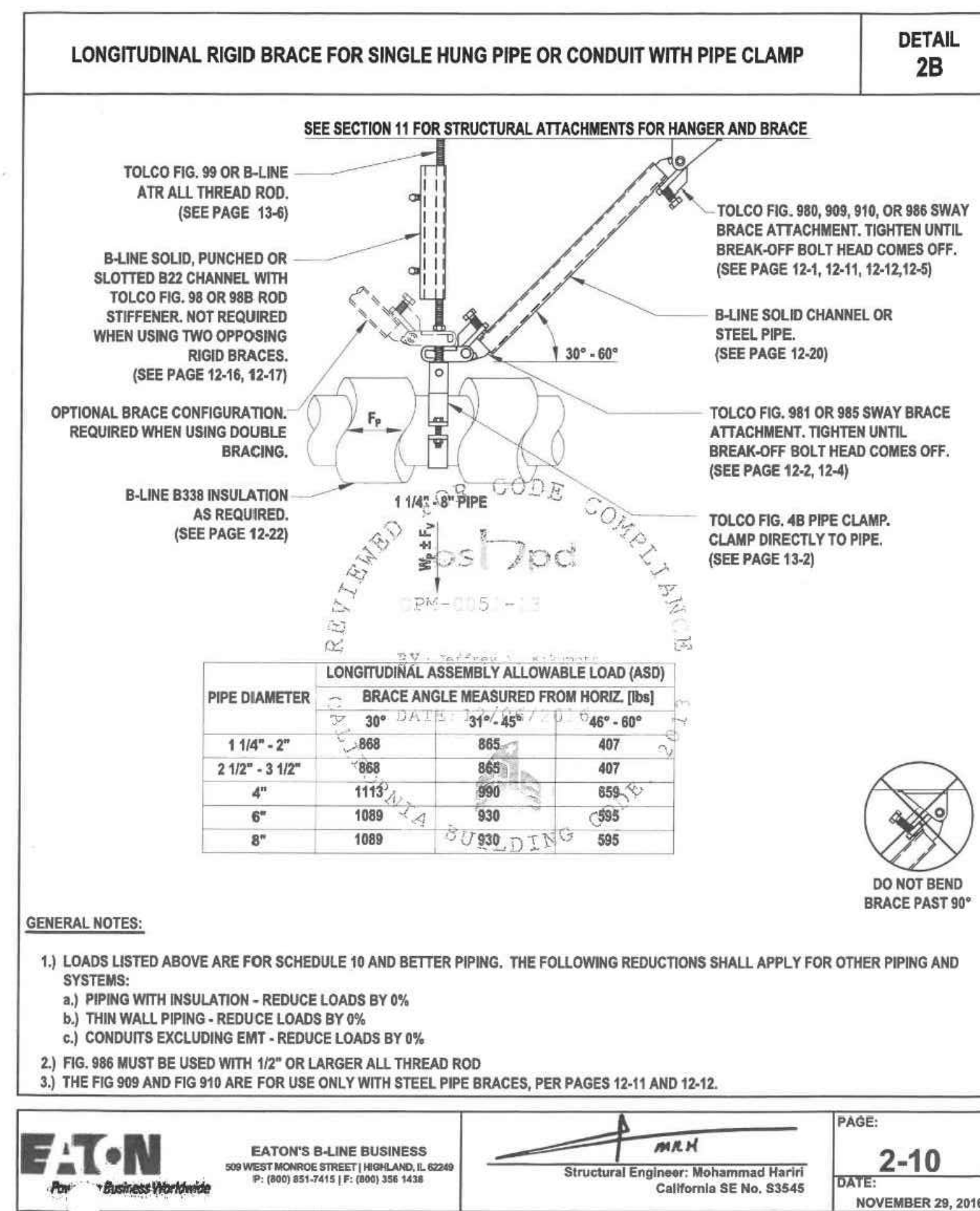
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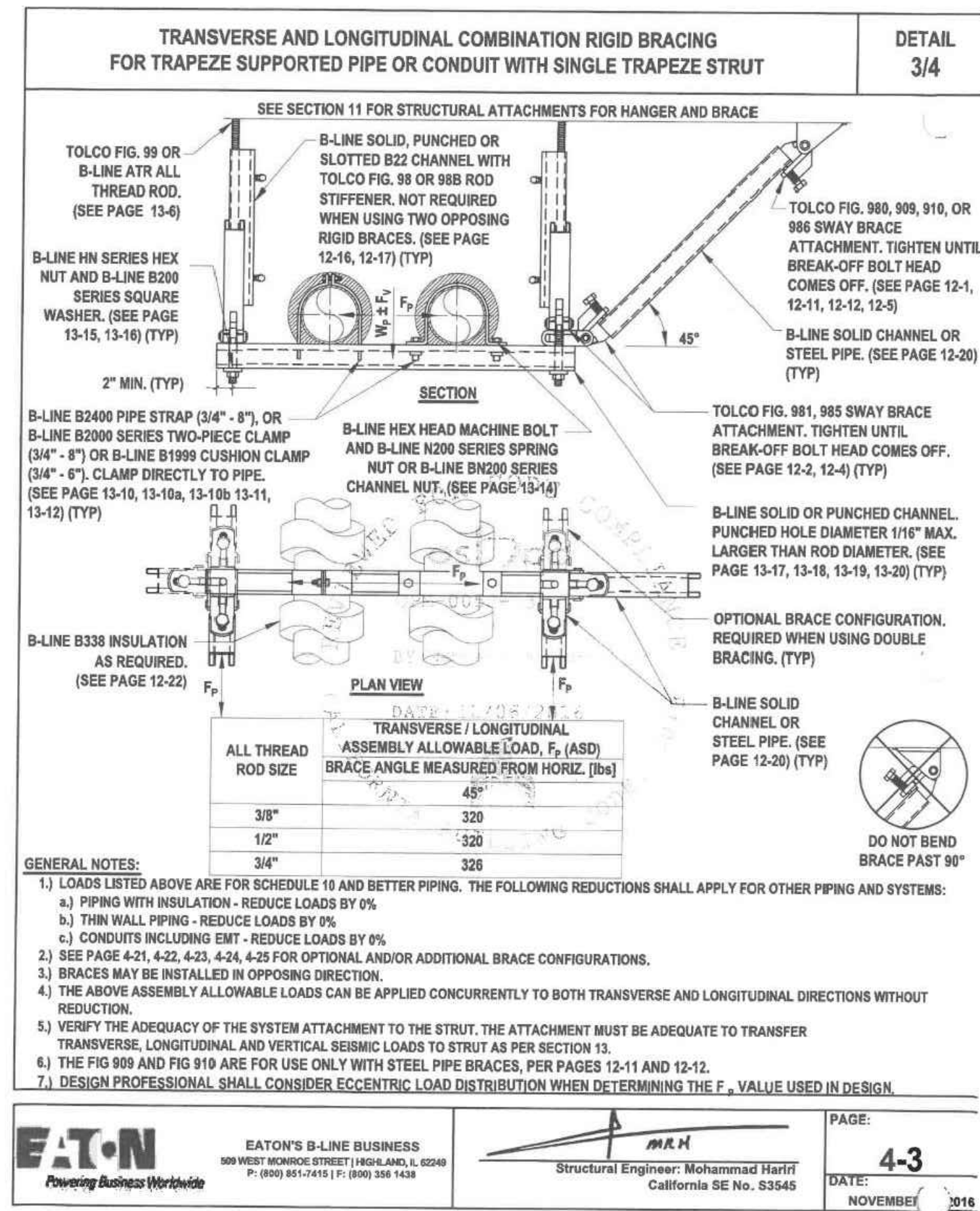
bme BASKIN MECHANICAL ENGINEERS
 175 Fulton Street
 Fresno, CA 93721
 Tel: (559) 237-0376
 Job: 21146
 Plt: 12-13-22



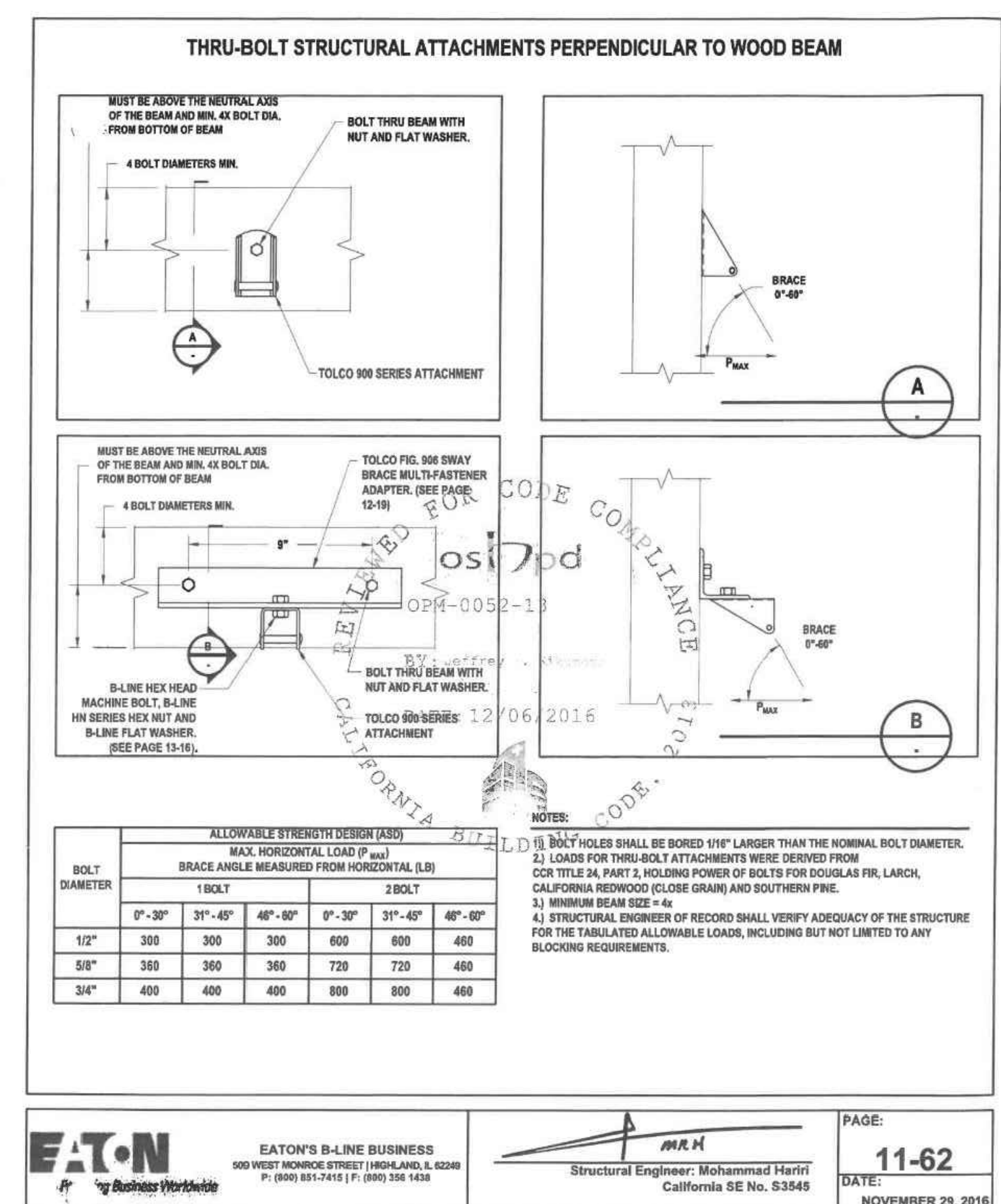
TRANSVERSE RIGID BRACE FOR SINGLE HUNG PIPE WITH PIPE CLAMP
 SCALE: NTS



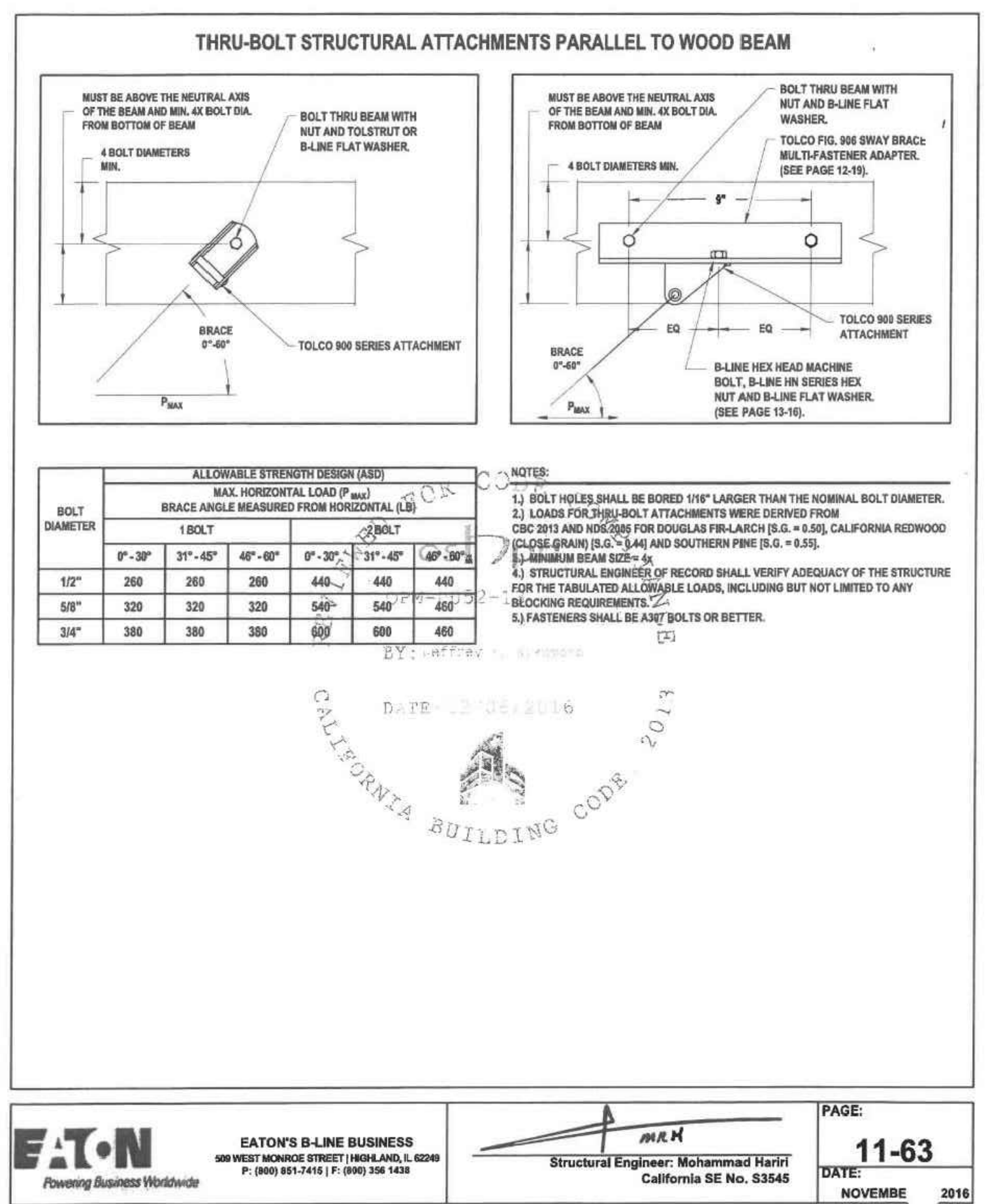
LONGITUDINAL RIGID BRACE FOR SINGLE HUNG PIPE WITH PIPE CLAMP
 SCALE: NTS



TRANSVERSE AND LONGITUDINAL COMBINATION RIGID BRACING FOR TRAPEZE SUPPORTED PIPE WITH SINGLE TRAPEZE STRUT
 SCALE: NTS



THRU-BOLT STRUCTURAL ATTACHMENTS PERPENDICULAR TO WOOD BEAM
 SCALE: NTS



THRU-BOLT STRUCTURAL ATTACHMENTS PARALLEL TO WOOD BEAM
 SCALE: NTS

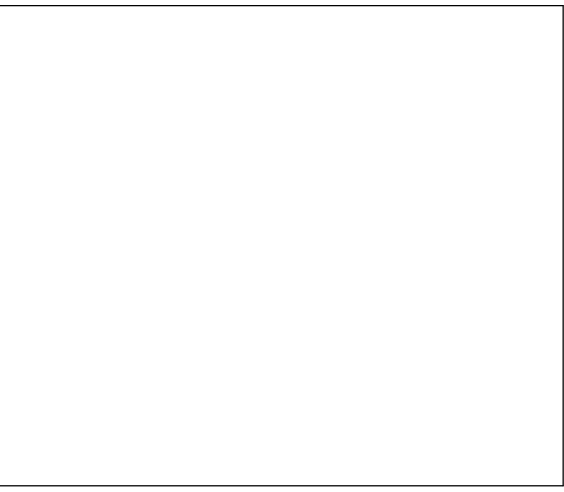
ROOSEVELT ELEMENTARY SCHOOL
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STEPHEN C. CARROLL
 LICENSED ARCHITECT
 No. 12822
 State of California

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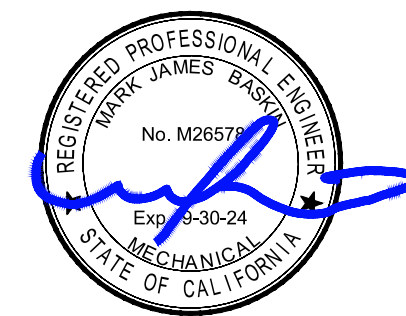


BRACING DETAILS

MARK	DATE	REVISIONS
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JOB NO. 1317
 DRAWN: B.S.
 CHECKED: M.B.
 DATE: 8/5/21

bme BASKIN MECHANICAL ENGINEERS
 175 Fulton Street
 Fresno, CA 93721
 Tel: (559) 237-0376
 Job: 21146
 Pit: 12-13-22



P
 3.0

GENERAL ELECTRICAL NOTES

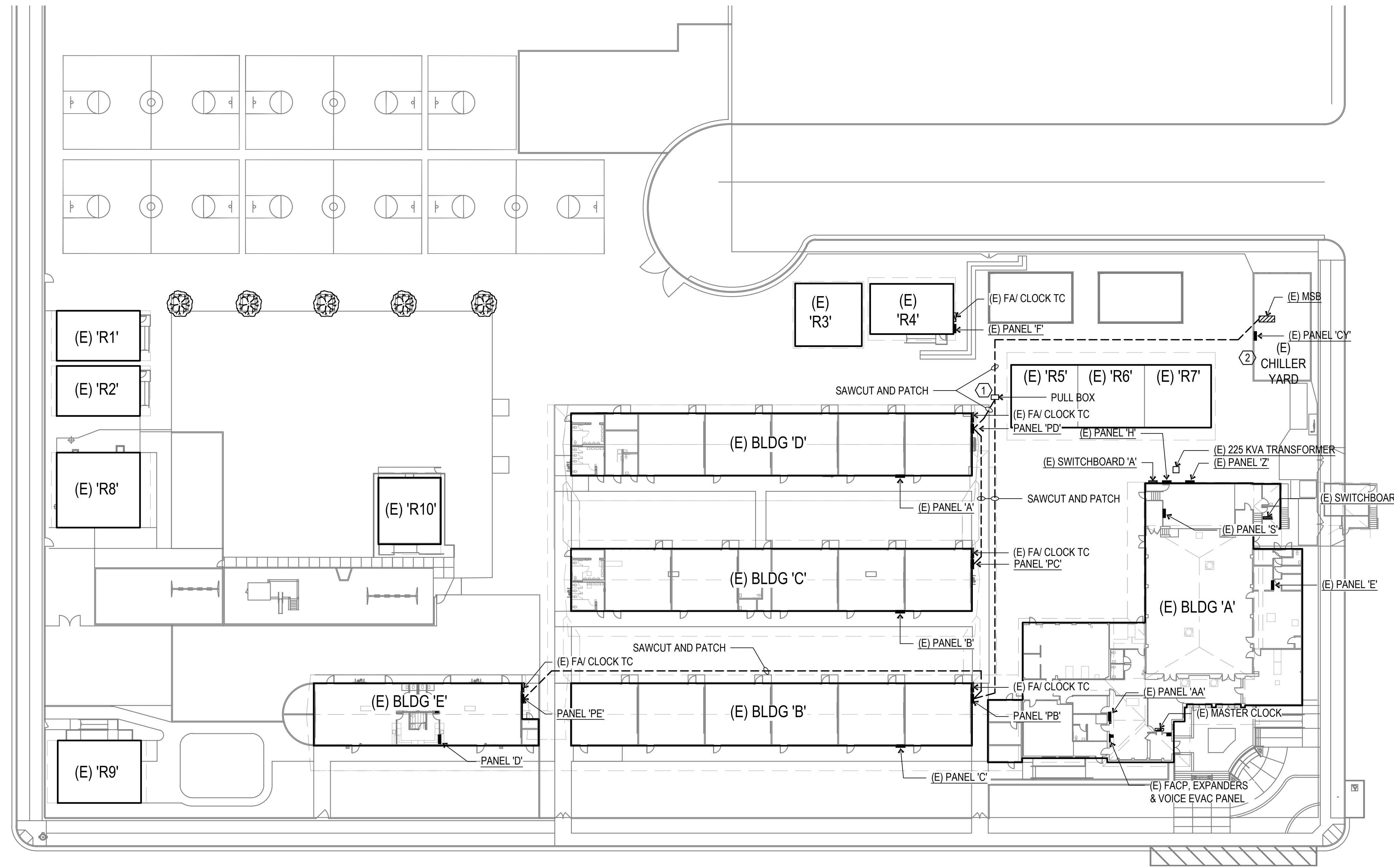
- PROVIDE MINIMUM 36" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W (PER CEC-110.26).
- PROVIDE MINIMUM 42" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 480/277V 3Ø 4W (PER CEC-110.26).
- PROVIDE MINIMUM 30" WIDE WORK SPACE FOR PANELS, SERVICE OR EQUIPMENT 15' FROM BUS BAR TO OBSTRUCTION (PER CEC-110.26).
- SPECIFY THAT ONLY LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING AND LABELING (PER CEC-110.3(B)).
- SWITCHES SHALL BE MOUNTED A MAXIMUM OF 48" TO THE TOP OF BOX. RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 15" TO THE BOTTOM OF BOX PER CEC 2019 SECTION 11B-308.
- HVAC CIRCUIT BREAKERS SHALL BE RATED HACR.
- ALL SERVICE EQUIPMENT TO BE SUITABLE FOR AVAILABLE SHORT CIRCUIT CURRENT PER CEC ART 110.9.
- PERMANENTLY DELINEATE ON THE FLOOR WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT WITH THE WORDING "NO STORAGE IN THIS AREA"
- PRIOR TO ORDERING THE SWITCHGEAR, THE ELECTRICAL CONTRACTOR SHALL COORDINATE A.I.C. RATINGS OF SWITCHBOARDS AND PANEL BOARDS WITH UTILITY COMPANY REQUIREMENTS. EVIDENCE OF SUCH COORDINATION SHALL BE AVAILABLE ON SITE FOR REVIEW BY CITY BUILDING INSPECTOR.
- SWITCHBOARDS AND PANEL BOARDS THAT ARE LIKELY TO BE ENERGIZED WHILE BEING MAINTAINED OR SERVICED BY QUALIFIED PERSONNEL SHALL BE LABELED WARNING OF POSSIBLE ARC FLASH HAZARDS AND IDENTIFIED WITH THE APPROPRIATE ARC FLASH PROTECTION RATING PERSONAL PROTECTIVE EQUIPMENT (PPE) SIGNAGE (PER CEC ART. 110.16).
- CONTRACTOR IS TO PROVIDE ENGRAVED NAMEPLATES ON EACH SERVICE PANEL, TRANSFORMER, DISCONNECT SWITCH MOTOR STARTER, ETC. (PER CEC-110.3).
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A LABEL PER CEC ARTICLE 408.4(A). PROVIDE TYPED PANEL BOARD DIRECTORIES. PANEL BOARDS SHALL ALSO BE MARKED COMPLIANT WITH CEC 408.4(B) FOR ORIGINATED SOURCE OF POWER.
- NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 6 FEET OF THE FLOOR OR TO THE STRUCTURAL CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT (PER CEC ART. 110.26).
- EACH MULTIWIRED BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES, SUCH AS HANDLE-TIES AND MULTI-POLE BREAKERS (PER CEC- 210.4(B)).
- THE DISCONNECTING MEANS FOR EACH SERVICE, FEEDER OR BRANCH CIRCUIT ORIGINATING ON A SWITCHBOARD OR PANELBOARD SHALL BE LEGIBLY AND DURABLY MARKED TO INDICATE ITS PURPOSE UNLESS SUCH PURPOSE IS CLEARLY EVIDENT (CFC-605.3.1).
- ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:
CALIFORNIA BUILDING CODE
2019 CALIFORNIA ELECTRICAL CODE
2019 NON RESIDENTIAL CEC ENERGY STANDARDS
- PROVIDE THE MAIN SERVICE EQUIPMENT ROOM EGRESS DOOR, WITH THE REQUIRED DIRECTION OF THE DOOR SWING AND THE REQUIRED DOOR HARDWARE. ART.110.26(C)(3).

REFERENCE NOTES

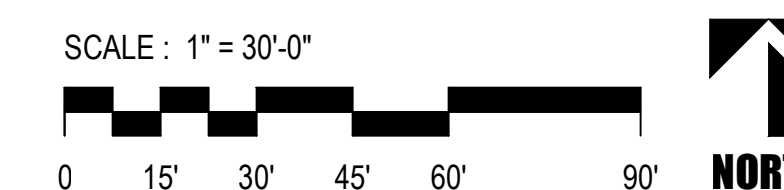
- PULL BOX OLD CASTLE #B1730, B1730-51JH COVER AND B1730X12 EXTENSION.
- REFER TO MECHANICAL PLAN FOR ALL DEMOLITION WORK IN CHILLER YARD

GENERAL COORDINATION NOTES

- Prior to commencing construction the Contractor shall carefully examine the site and existing conditions, compare the Drawings with the existing electrical installations and thoroughly familiarize themselves with all existing conditions within the scope of this work. The Contractor shall inform the Electrical Engineer in writing when this process is complete and if any discrepancies are noticed.
- Mechanical Coordination: Prior to commencing construction, the Contractor shall arrange a conference with the Mechanical/Plumbing Contractors and equipment suppliers to verify type, sizes, locations, requirements, controls and diagrams of all equipment furnished by them. In writing, he shall inform the Electrical Engineer that all phases of coordination of this equipment have been covered. If any unusual conditions or problems are noticed, they are to be enumerated at this time.



ELECTRICAL SITE PLAN



ELECTRICAL SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION
(Symbol)	FIXTURE TYPE "D" AND WATTAGE "90"	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(Symbol)	LED LIGHT FIXTURE	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(Symbol)	RECESSED LIGHT FIXTURE	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(Symbol)	LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(Symbol)	ILLUMINATED EXIT SIGN	REFER TO FIXTURE SCHEDULE AND SPECIFICATIONS
(Symbol)	OCCUPANCY MOTION SENSOR	ABL-H/LIGHT
(Symbol)	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ 44" TO TOP OF BOX, U.O.N.	ABL-SENSOR SWITCH
(Symbol)	OCCUPANCY SENSOR, CEILING MOUNTED - NETWORK	ABL-H/LIGHT
(Symbol)	OCCUPANCY SENSOR SWITCHPACK	
(Symbol)	WALL SWITCH @45" AFF MAX. TO TOP OF BOX.	AC QUIET TYPE, 20A, 277V
(Symbol)	WALL SWITCH 3-WAY @45" AFF MAX. TO TOP OF BOX.	AC QUIET TYPE, 20A, 277V
(Symbol)	"SOLATUBE" CONTROL SWITCH @45" AFF MAX. TO TOP OF BOX	PROVIDED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR
(Symbol)	WALL MOTION DIMMER SWITCH	ABL-H/LIGHT
(Symbol)	WALL MOTION DIMMER SWITCH ON / OFF + RAISE / LOWER	ABL-H/LIGHT
(Symbol)	WALL MOTION DIMMER SWITCH ON / OFF + RAISE / LOWER WITH INTEGRAL OCCUPANCY SENSOR	ABL-H/LIGHT
(Symbol)	WALL MOTION DIMMER SWITCH 2 ZONE ON / OFF + RAISE / LOWER	ABL-H/LIGHT
(Symbol)	WALL MOTION DIMMER SWITCH 4 ZONE ON / OFF + RAISE / LOWER	ABL-H/LIGHT
(Symbol)	DUPLEX CONVENIENCE OUTLET MOUNTED @ -15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(Symbol)	WEATHERPROOF CONVENIENCE OUTLET MOUNTED @ -15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(Symbol)	QUADRUPLUX CONVENIENCE OUTLET MOUNTED @ -15" MIN. TO BOTTOM OF BOX, U.O.N.	20A, NEMA GROUNDED
(Symbol)	ELECTRICAL SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
(Symbol)	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
(Symbol)	TERMINAL CABINET	
(Symbol)	EXHAUST FAN	REFER TO MECHANICAL PLANS & SPECIFICATIONS.
(Symbol)	120V RELAY WITH 277V COIL	SIZED TO HANDLE EXHAUST FAN LOAD
(Symbol)	MOTOR WITH FUSIBLE DISCONNECT SWITCH, W.P. AS REQ'D	REFER TO MECHANICAL PLANS & SPECIFICATIONS.
(Symbol)	JUNCTION BOX	4" SQUARE BOX & FLUSH PLATE MINIMUM
(Symbol)	COMMUNICATIONS / DATA OUTLET @ -15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	4 11/16" x 2 1/8" BOX W/ 1 1/2" 2 GANG EXTENSION RING, (2) 1" C STUBS TO ACCESSIBLE ATTIC SPACE: (1) DATA CABLE, (1) VOICE CABLE WITH JACKS MINIMUM
(Symbol)	INTERCOM OUTLET @ -15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	
(Symbol)	TELEPHONE OUTLET @ -15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	
(Symbol)	PA SPEAKER, FLUSH CEILING MOUNTED U.O.N.	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
(Symbol)	EXTERIOR PA SPEAKER WALL MTD @-9'-6" UON (WEATHERPROOF)	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
(Symbol)	CLOCK / PA SPEAKER COMBINATION @-7'-6" UON	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
(Symbol)	TELEVISION / VIDEO OUTLET	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
(Symbol)	PROGRAM BELL	
(Symbol)	SECURITY MICROPHONE MTD ABOVE DOOR U.O.N.	PROVIDED BY SCHOOL DISTRICT, INSTALLED BY E.C.
(Symbol)	SECURITY DOOR CONTACT	SEE SPECS
(Symbol)	SURFACE RACEWAY W/ OUTLETS & DATA JACKS	WIREMOLD 5400 SERIES SYSTEM. INSTALL DUPLEX / QUADPLEX RECEPTACLES AND DATA JACK AS INDICATED ON PLANS.
(Symbol)	POWER PACK 0-10V DIMMING	ABL-H/LIGHT
(Symbol)	POWER PACK INCANDESCENT DIMMING	ABL-H/LIGHT
(Symbol)	PLUG LOAD CONTROLLER	ABL-H/LIGHT
(Symbol)	PHOTO SENSOR - 3 ZONE (LOWER CASE LETTER INDICATES CONTROL GROUP)	ABL-H/LIGHT
(Symbol)	LOW VOLTAGE SENSOR WIRING, PLENUM RATED	REFER TO DEVICE LITERATURE FOR NUMBER OF CONDUCTORS.
(Symbol)	WIRING BELOW GRADE	3/4" CONDUIT MINIMUM.
(Symbol)	WIRING IN WALL OR CEILING	3/4" CONDUIT MINIMUM.
(Symbol)	FLEXIBLE CONDUIT	3/4" CONDUIT MINIMUM.
(Symbol)	CONDUIT STUB AND CAP	3/4" CONDUIT MINIMUM.
(Symbol)	HASH MARKS DENOTES QUANTITY OF CONDUCTORS	
(Symbol)	HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MINIMUM.
(Symbol)	EXISTING CONDUIT TO REMAIN	
(Symbol)	EXISTING ITEM TO REMAIN	
(Symbol)	U.O.N.	UNLESS OTHERWISE NOTED
(Symbol)	GFCI	GROUND FAULT CIRCUIT INTERRUPTER

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 2019 CBC Sections: 1617A.1.18 through 1617A.1.26 and ASCE 7 -16 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. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having flexible cable.
 - Temporary, movable equipment or mobile equipment which is heavier than 400 lbs or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.
- The following mechanical and electrical components shall be positively attached to the structure, but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both traverse and longitudinal directions.
- 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.
- The anchorage for all mechanical, electrical and plumbing components shall be subject to approval of the design professional in general responsible charge or Structural Engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note:

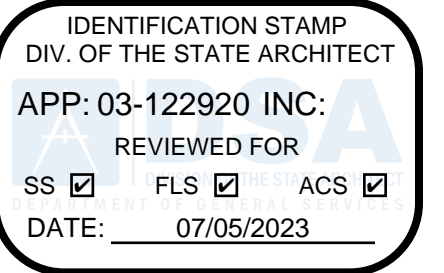
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3, as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8 and 2019 CBC Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

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. OSHPD OPM for 2013 CBC or later). 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) #OPM-0052-13



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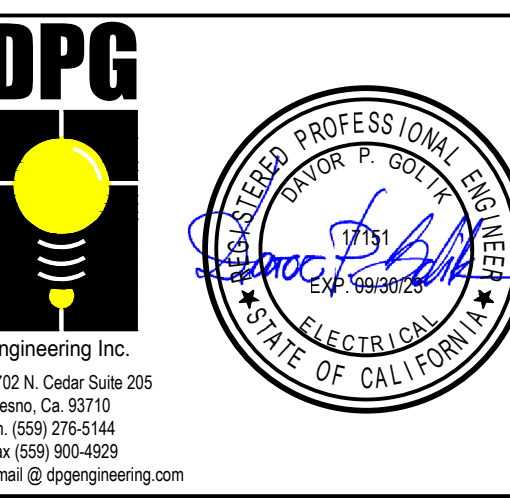
**ROOSEVELT ELEMENTARY SCHOOL
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2324 VERDE STREET
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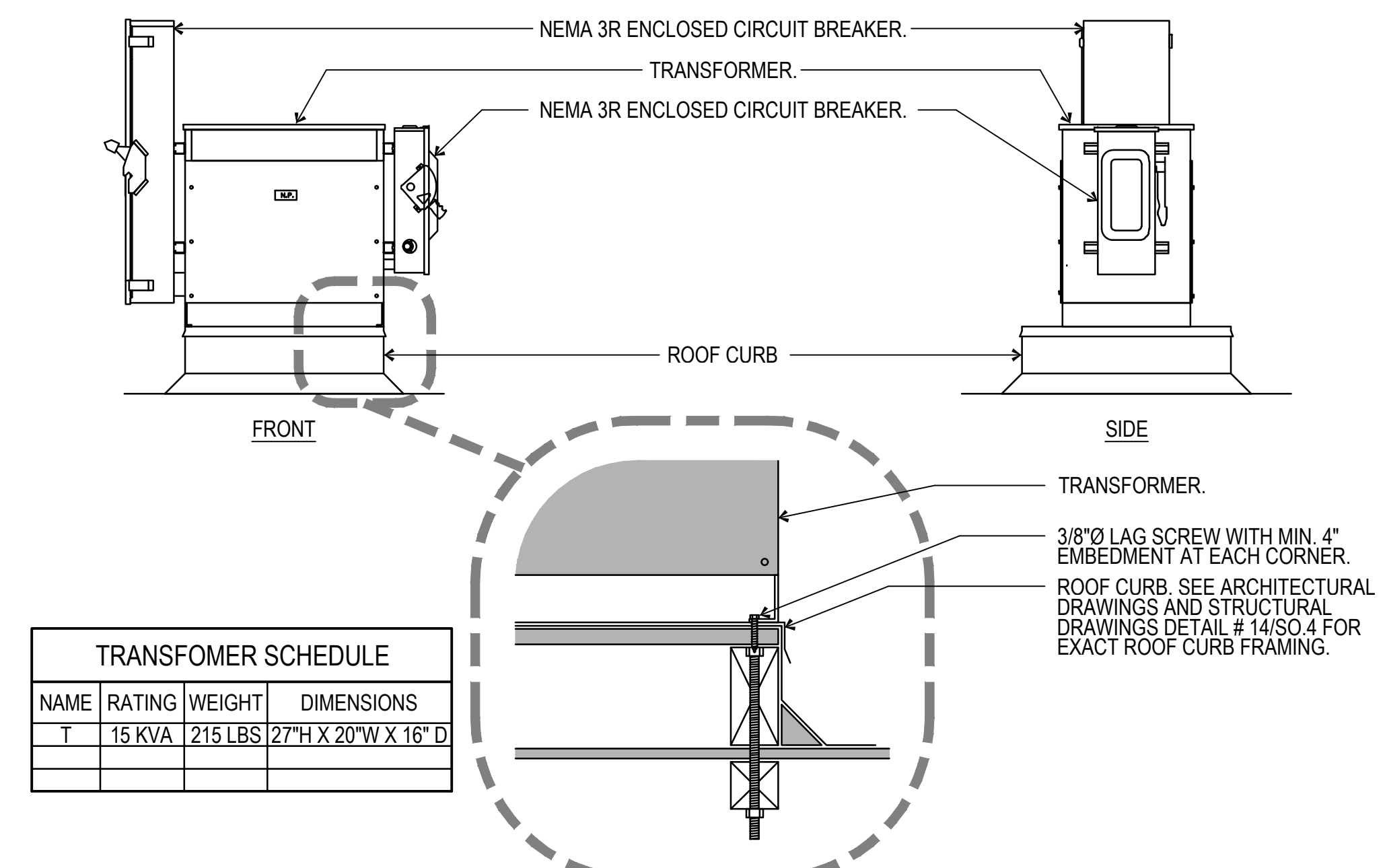


**ELECT. SITE PLAN,
SYMBOL LEGEND,
DETAILS AND
NOTES**

MARK	DATE	REVISIONS
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JOB NO.
1317
DRAWN:
R.L.M.
CHECKED:
D.P.G.
DATE:
12/8/22

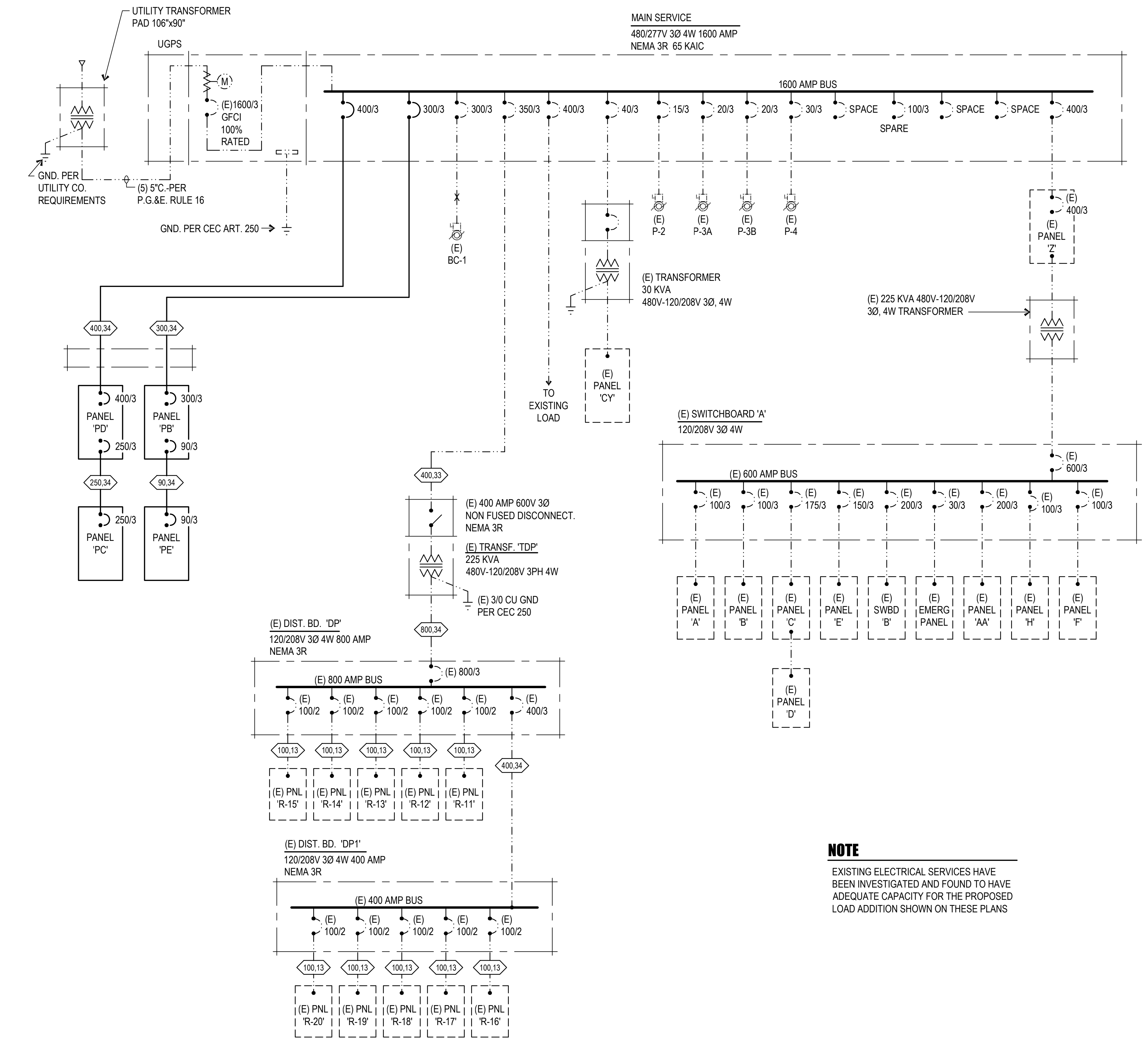
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OF SHEETS



NAME	RATING	WEIGHT	DIMENSIONS
T	15 KVA	215 LBS	27\"/>

AMPS	PVC, EMT OR GRS	CONDUIT AND CONDUCTORS (THRU/THWN CU)				NYLON PULL LINE (NPL)	GROUNDING COPPER PER CONDUIT
		10 3W (13)	30 3W (33)	30 4W (34)	30 5W (35)		
30	3/4"	3 #10	3 #10	4 #10	NA	1	#10
40	3/4"	3 #8	3 #8	4 #8			#10
50	1"	3 #6	3 #6	4 #6			#10
60	1"	3 #6	3 #6	4 #6			#8
70	1 1/4"	3 #4	3 #4	4 #4			#8
80	1 1/4"	3 #3	3 #3	4 #3			#8
90	1 1/4"	3 #2	3 #2	4 #2			#8
100	1 1/2"	3 #1	3 #1	4 #1	5 #1		#8
125	1 1/2"	3 #1	3 #1	4 #1	5 #1		#8
150	2"	3 #10	3 #10	4 #10	5 #10		#8
175	2"	3 #20	3 #20	4 #20	5 #20		#4
200	2"	3 #30	3 #30	4 #30			#4
225	2 1/2"	3 #40	3 #40	4 #40	5 #40		#2
250	3"	3 #250 Kcmil	3 #250 Kcmil	4 #250 Kcmil	5 #250 Kcmil		#2
300	3 1/2"	3 #350 Kcmil	3 #350 Kcmil	4 #350 Kcmil	5 #350 Kcmil		#2
400	4"	3 #500 Kcmil	3 #500 Kcmil	4 #500 Kcmil	5 #500 Kcmil		#10
500	2 1/2"	3 #250 Kcmil (EA)	3 #250 Kcmil (EA)	4 #250 Kcmil (EA)	5 #250 Kcmil (EA)		#20
600	(2) 2 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#20
700	2 1/2"	3 #500 Kcmil (EA)	3 #500 Kcmil (EA)	4 #500 Kcmil (EA)	5 #500 Kcmil (EA)		#20
800	2 1/2"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#20
1000	(3) 1 1/2"	3 #400 Kcmil (EA)	3 #400 Kcmil (EA)	4 #400 Kcmil (EA)	5 #400 Kcmil (EA)		#30
1200	(4) 1 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#30
1600	(4) 1"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#40
2000	(5) 1"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#40

TRANSFORMER ROOF MOUNTING DETAIL 1 NOT TO SCALE E1.10



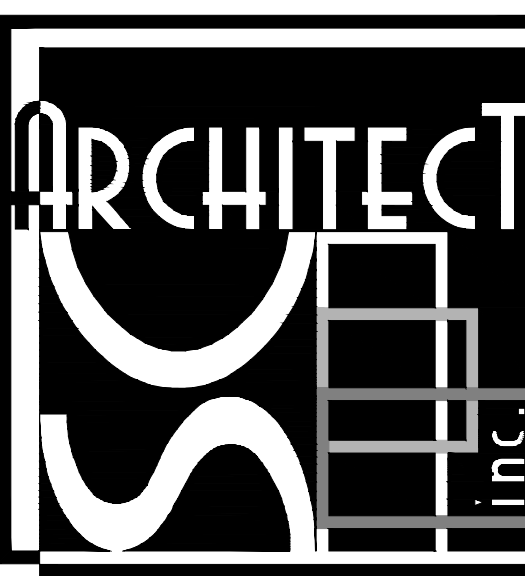
NOTE
EXISTING ELECTRICAL SERVICES HAVE BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS

ELECTRICAL SINGLE LINE DIAGRAM 2 NOT TO SCALE E1.10

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DATE: 07/05/2023

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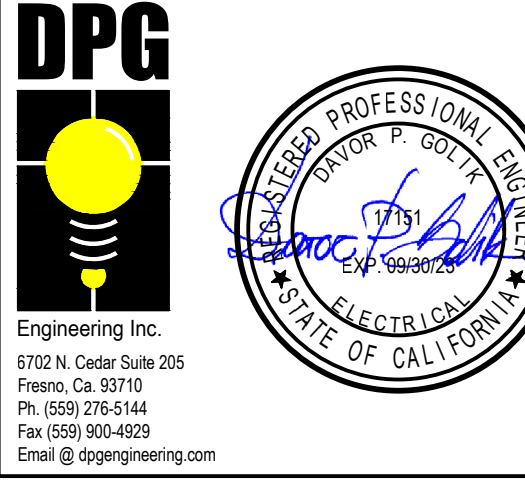
**ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION**
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
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**ELECT. SINGLE LINE
DIAGRAM, DETAILS
AND SCHEDULES**

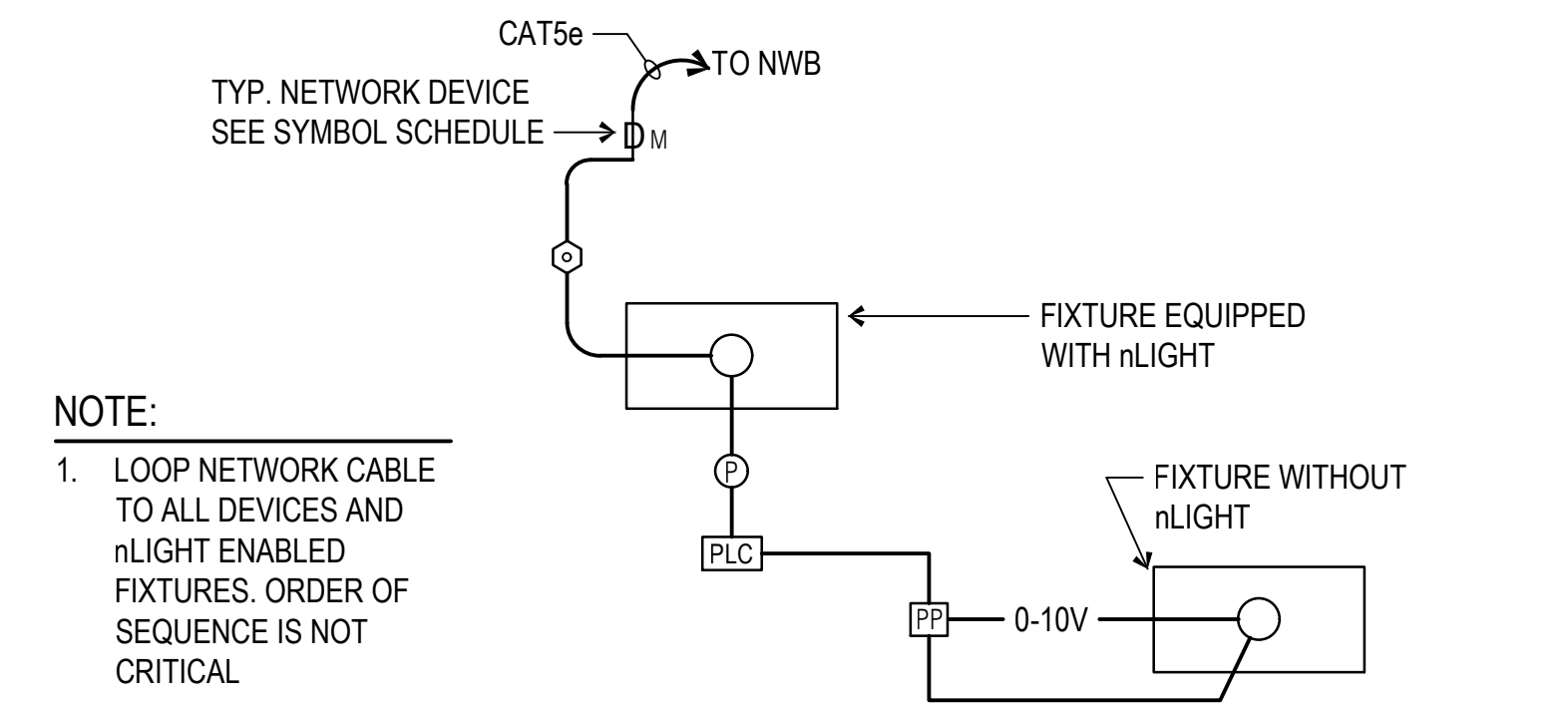
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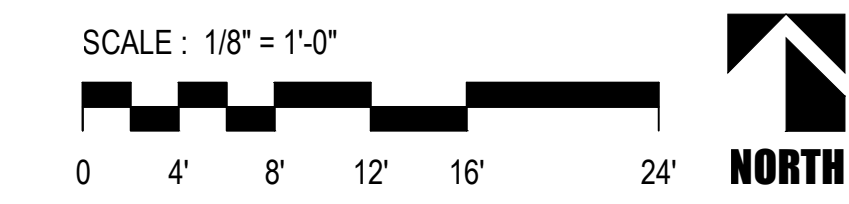
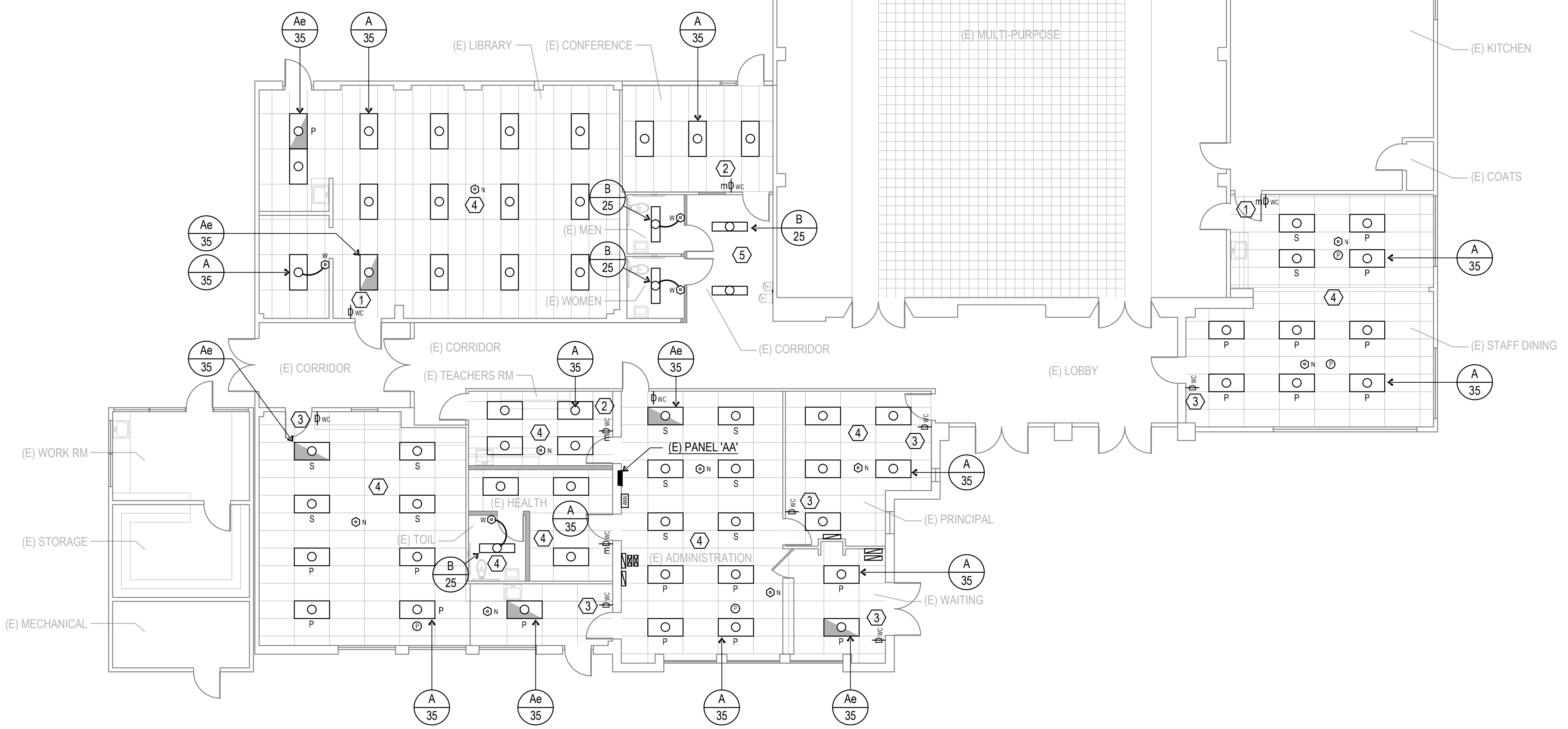
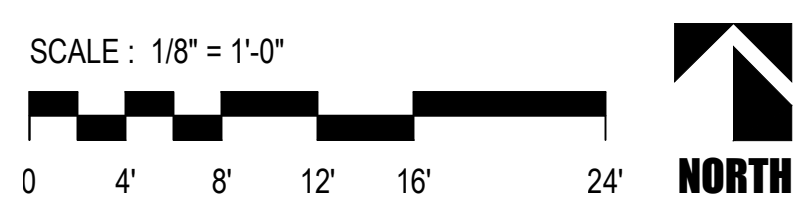
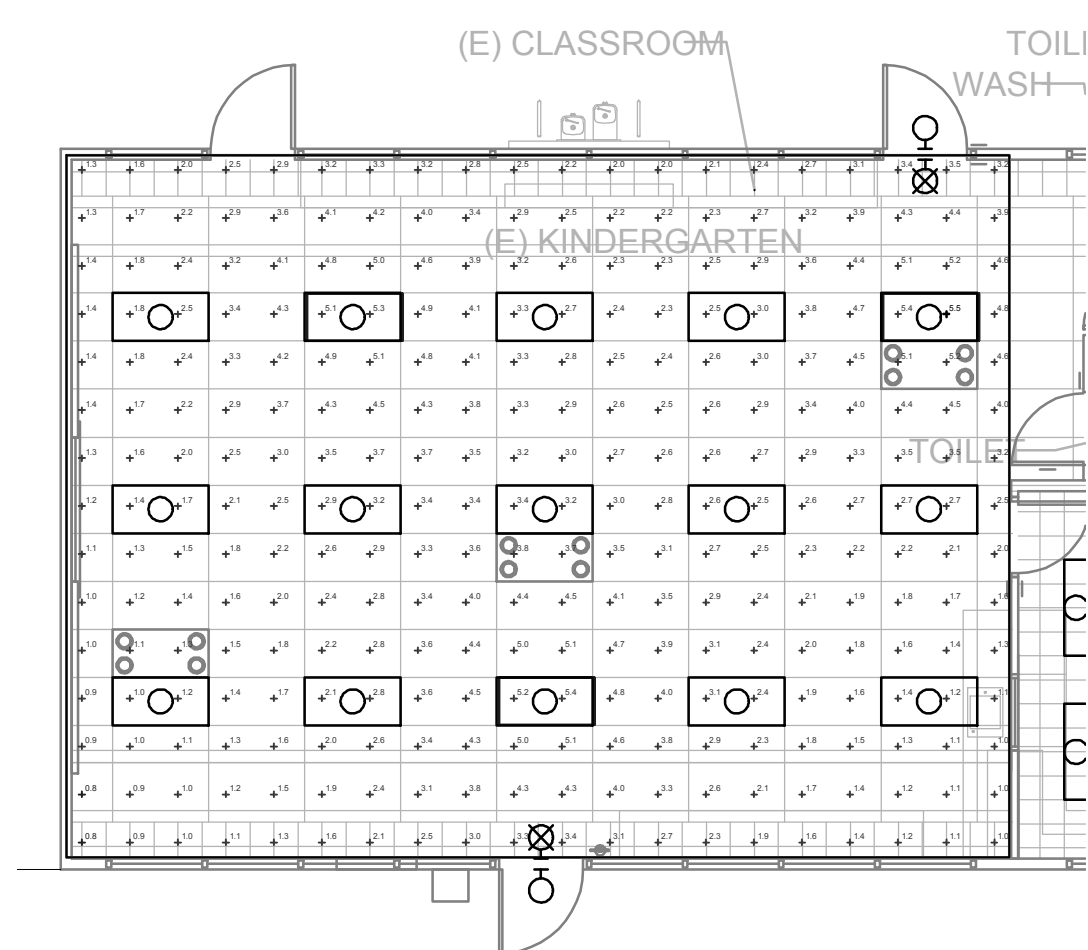
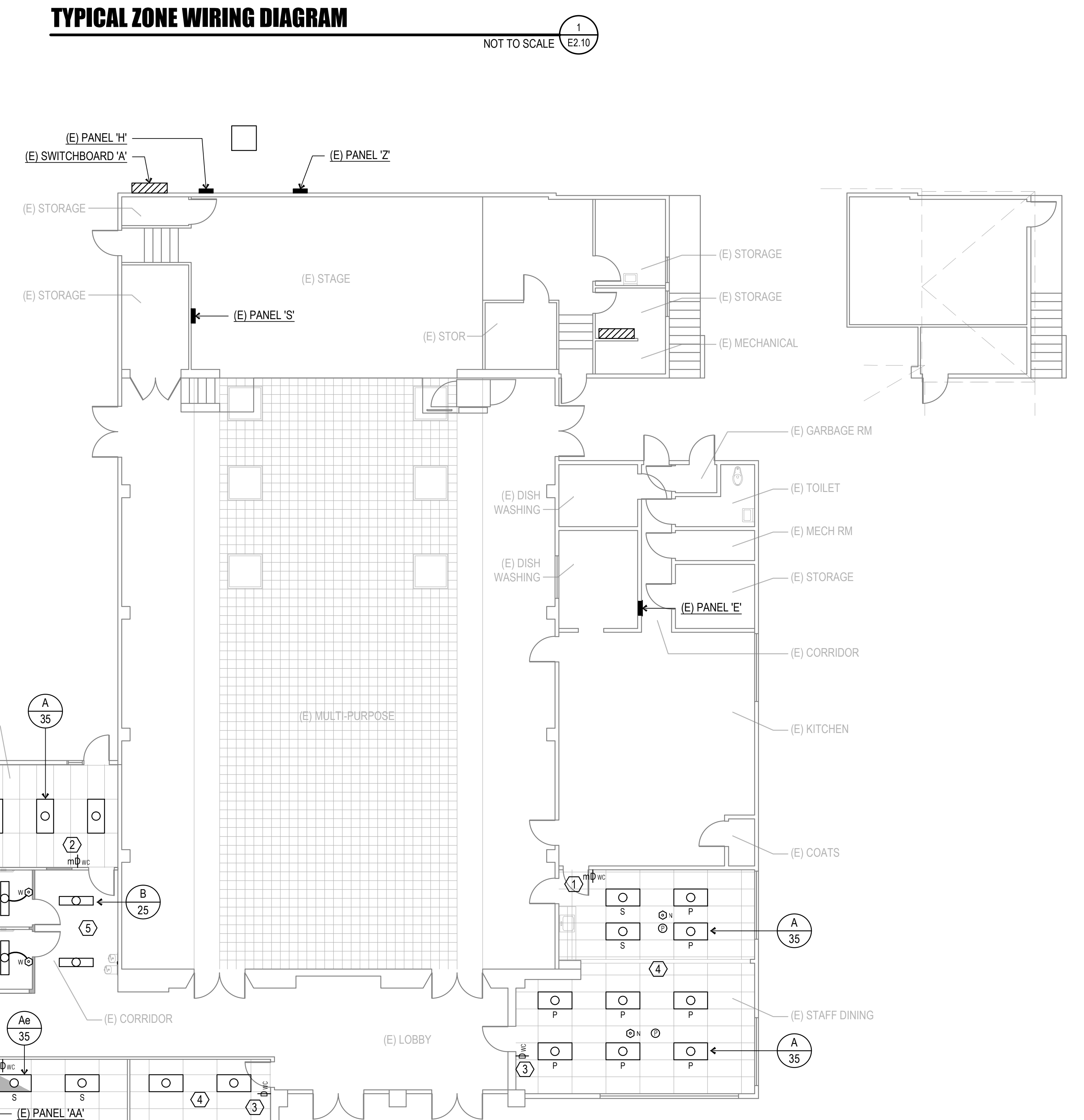
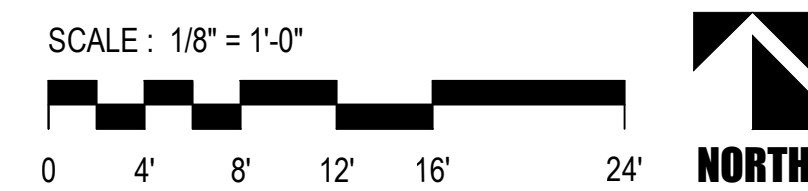
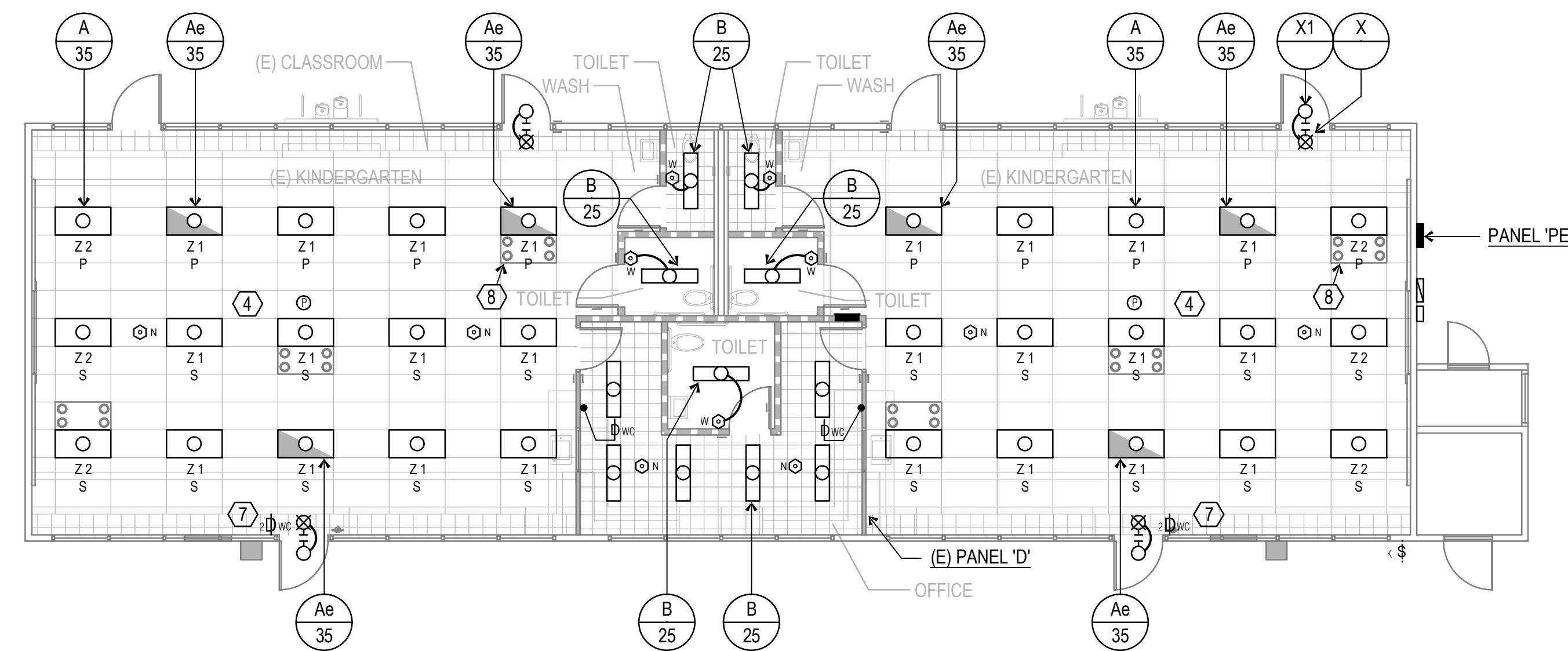
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OF SHEETS

LIGHTING DEMO NOTE
 REMOVE ALL EXISTING LIGHT FIXTURES, OCCUPANCY SENSORS, SWITCH PACKS AND DIMMING CONTROL MODULES (IF APPLICABLE) REMOVE ANY CONDUIT AND CONDUCTORS NOT TO BE RE-USED.

- CEILING NOTES**
1. REMOVE AND RE-INSTALL CEILING MOUNT WIRELESS ACCESS POINTS INTO NEW CEILING.
 2. REMOVE AND RE-INSTALL CEILING MOUNT PA AND AV SPEAKERS INTO NEW CEILING.



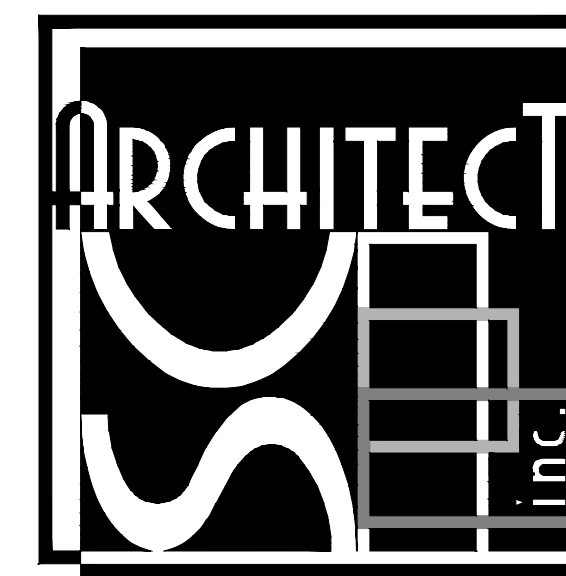
- REFERENCE NOTES**
1. REMOVE TWO/THREE SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE DIMMING WALL CONTROLLER.
 2. REMOVE SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE MOTION DIMMING WALL CONTROLLER.
 3. REMOVE SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE DIMMING WALL CONTROLLER.
 4. CONNECT TO EXISTING LIGHTING CIRCUIT.
 5. CONNECT TO EXISTING CORRIDOR LIGHTING.
 6. REMOVE TWO EXISTING SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE 2 ZONE DIMMING WALL CONTROLLER.
 7. REMOVE THREE EXISTING SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE 2 ZONE DIMMING WALL CONTROLLER.
 8. TYPICAL, EXISTING ELECTRONIC FILTER IN NEW LOCATION. RECONNECT TO EXISTING CIRCUIT.



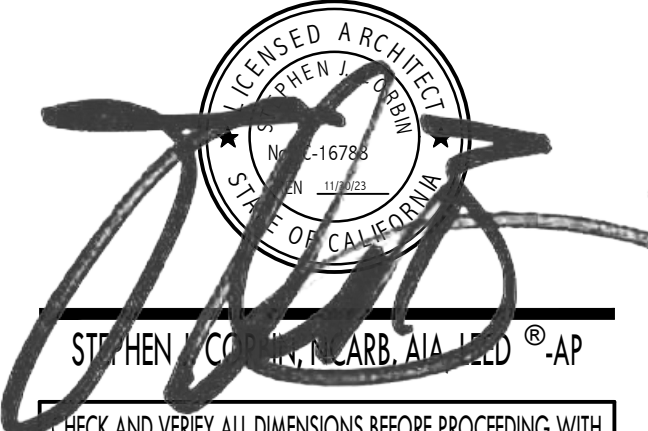
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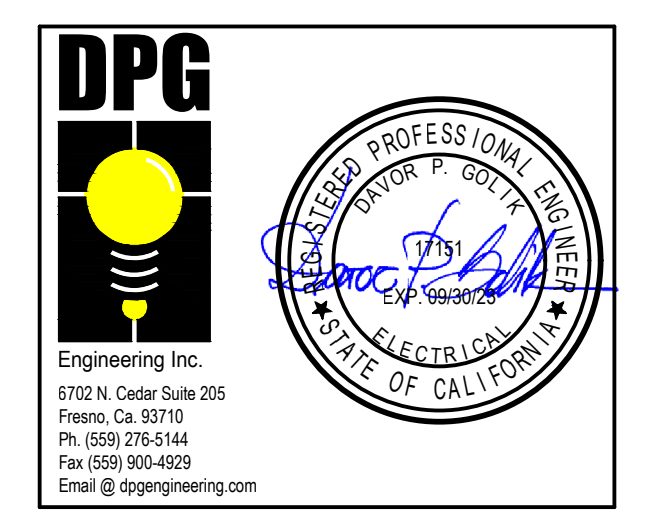
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 2324 VERDE STREET
 FOR BAKERSFIELD CITY SCHOOL DISTRICT
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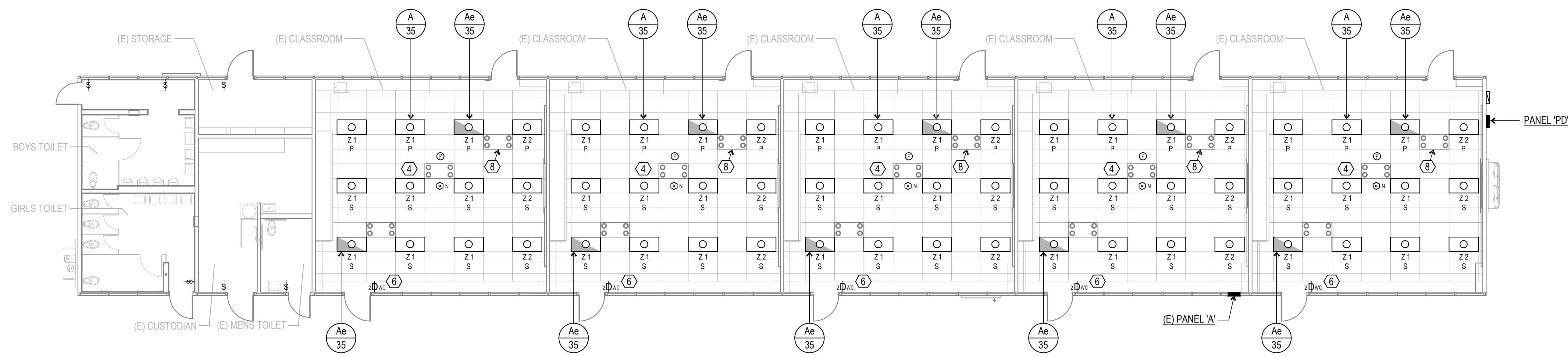


BLDG'S A & E LIGHTING FLOOR PLANS, DETAILS AND NOTES

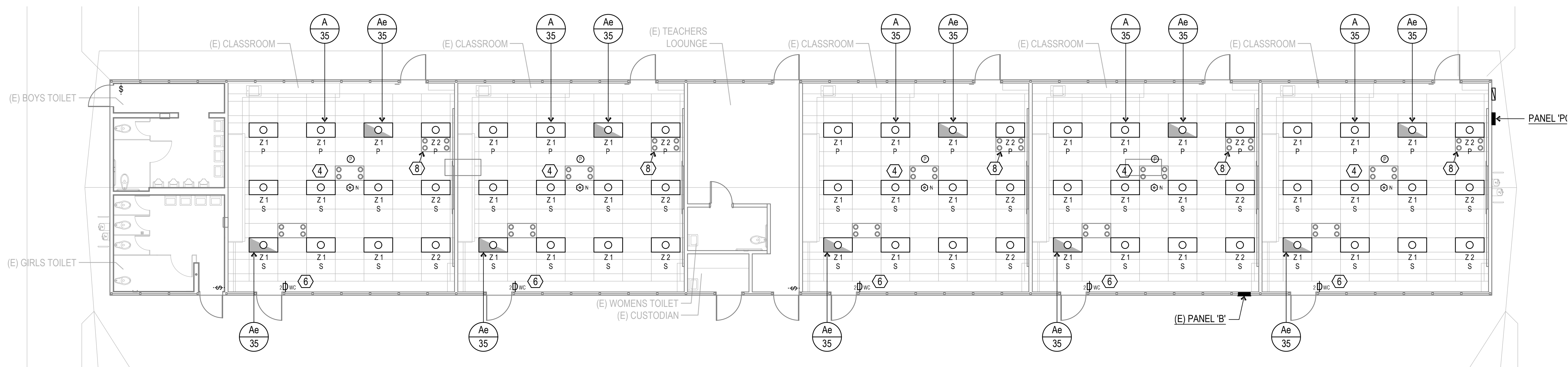
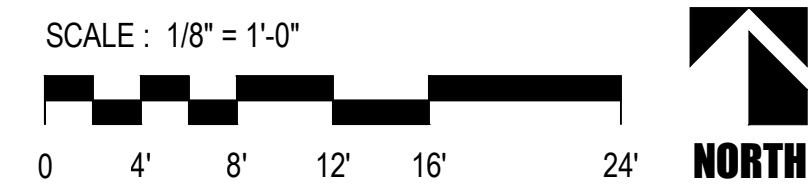
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 DATE: 12/8/22

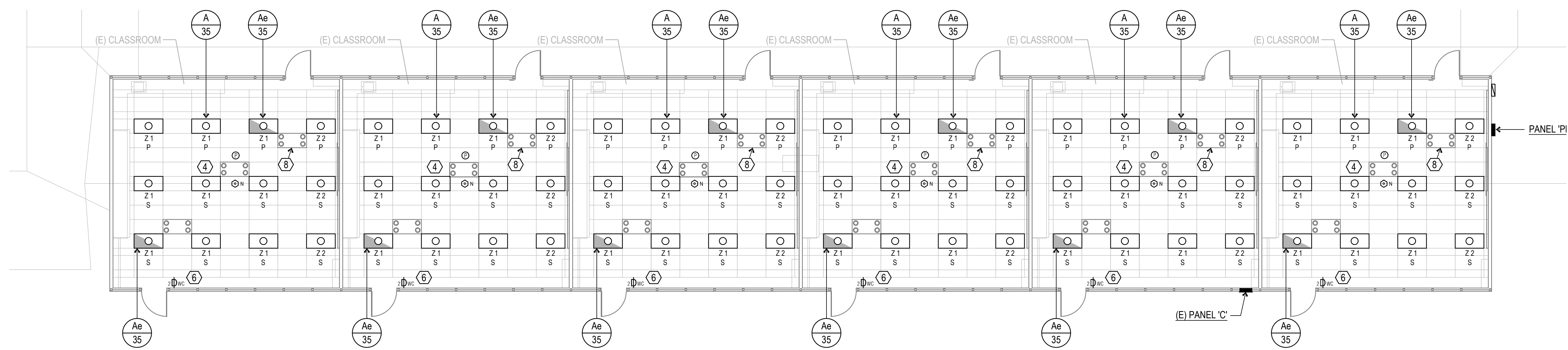
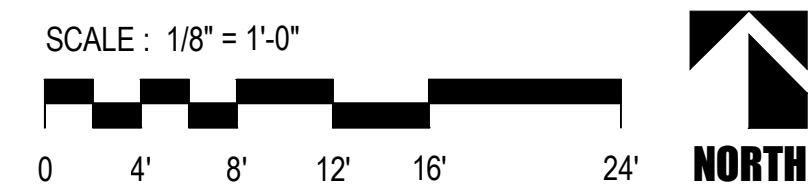
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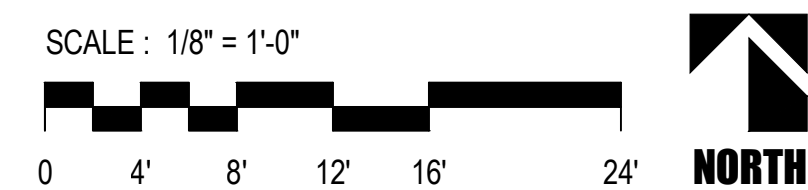
LIGHTING FLOOR PLAN
BUILDING 'D'



LIGHTING FLOOR PLAN
BUILDING 'C'



LIGHTING FLOOR PLAN
BUILDING 'B'



REFERENCE NOTES

- 1 REMOVE TWO-THREE SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE DIMMING WALL CONTROLLER.
- 2 REMOVE SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE MOTION DIMMING WALL CONTROLLER.
- 3 REMOVE SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE DIMMING WALL CONTROLLER.
- 4 CONNECT TO EXISTING LIGHTING CIRCUIT.
- 5 CONNECT TO EXISTING CORRIDOR LIGHTING.
- 6 REMOVE TWO EXISTING SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE 2 ZONE DIMMING WALL CONTROLLER.
- 7 REMOVE THREE EXISTING SWITCHES AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE 2 ZONE DIMMING WALL CONTROLLER.
- 8 TYPICAL, EXISTING ELECTRONIC FILTER IN NEW LOCATION. RECONNECT TO EXISTING CIRCUIT.

LIGHTING DEMO NOTE

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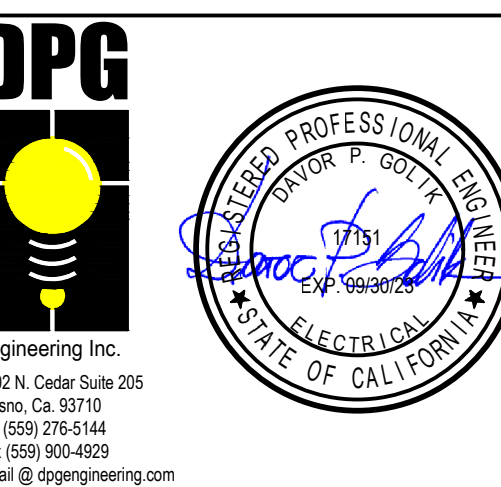
ROOSEVELT ELEMENTARY SCHOOL
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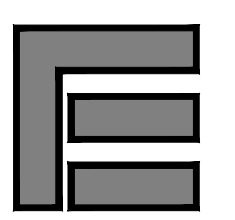
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BLDG'S B,C & D
LIGHTING
FLOOR PLANS
AND NOTES

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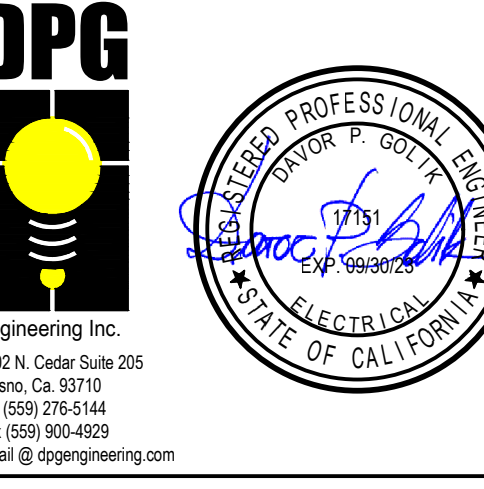
**ROOSEVELT ELEMENTARY SCHOOL
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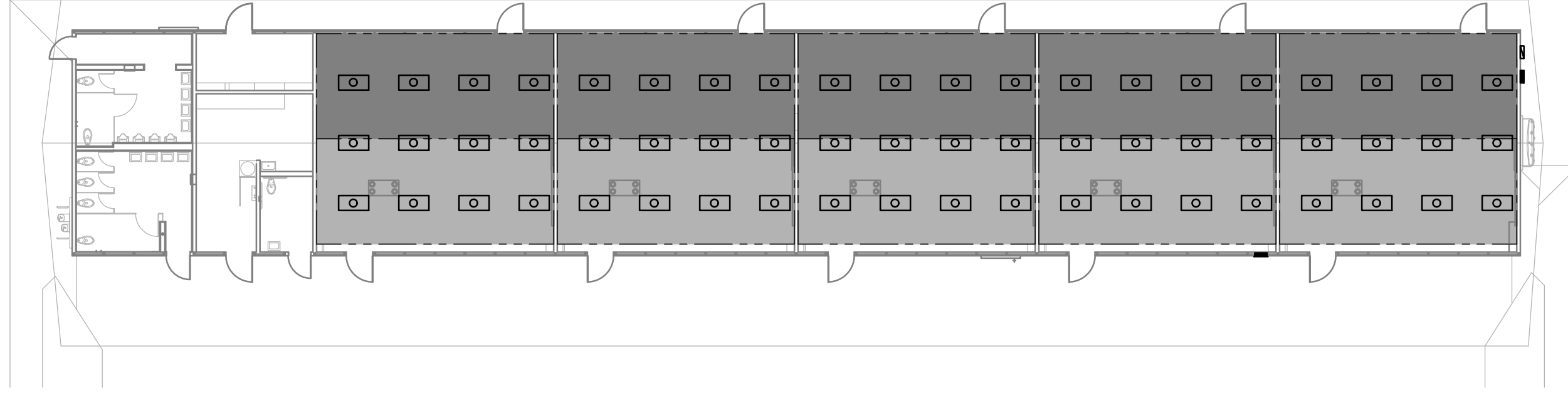


**BLDGS AB,C,D,E
 DAYLIT LIGHTING
 FLOOR PLANS**

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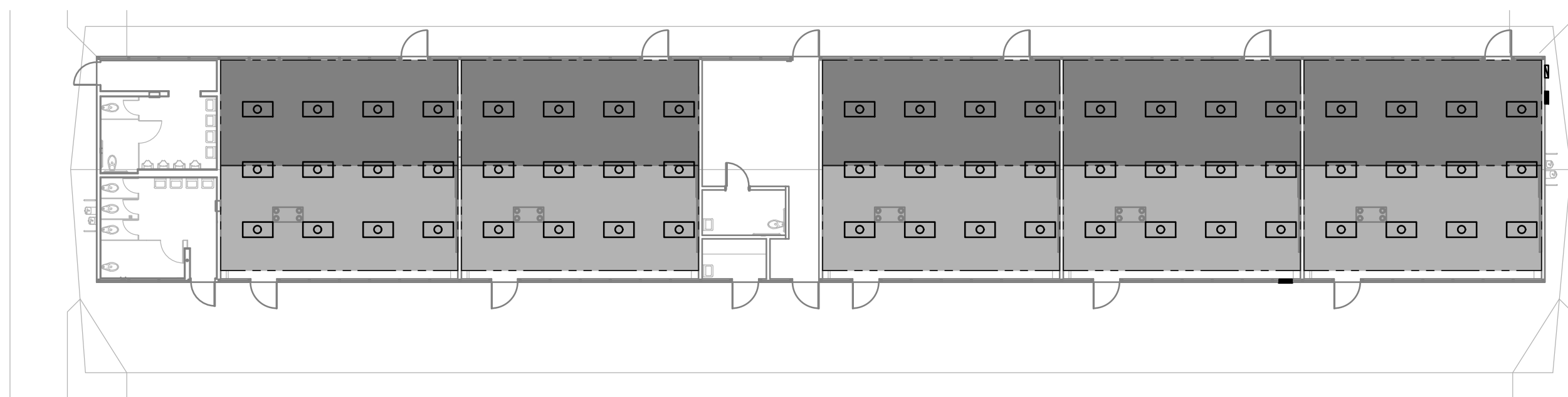
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OF SHEETS



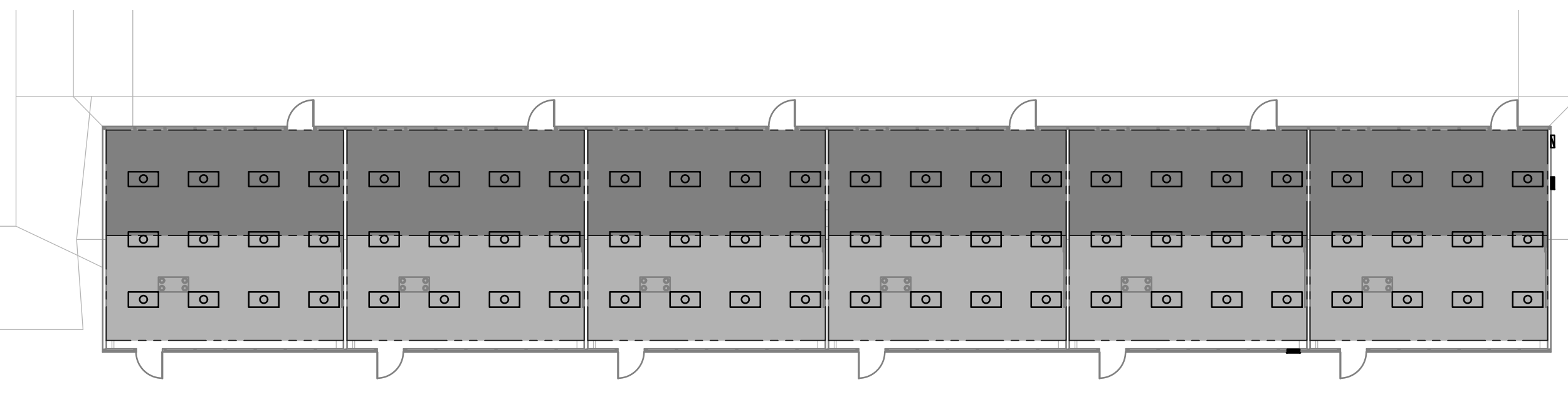
**LIGHTING FLOOR PLAN
 BUILDING 'D'**

SCALE: 1/16" = 1'-0"



**LIGHTING FLOOR PLAN
 BUILDING 'C'**

SCALE: 1/16" = 1'-0"



**LIGHTING FLOOR PLAN
 BUILDING 'B'**

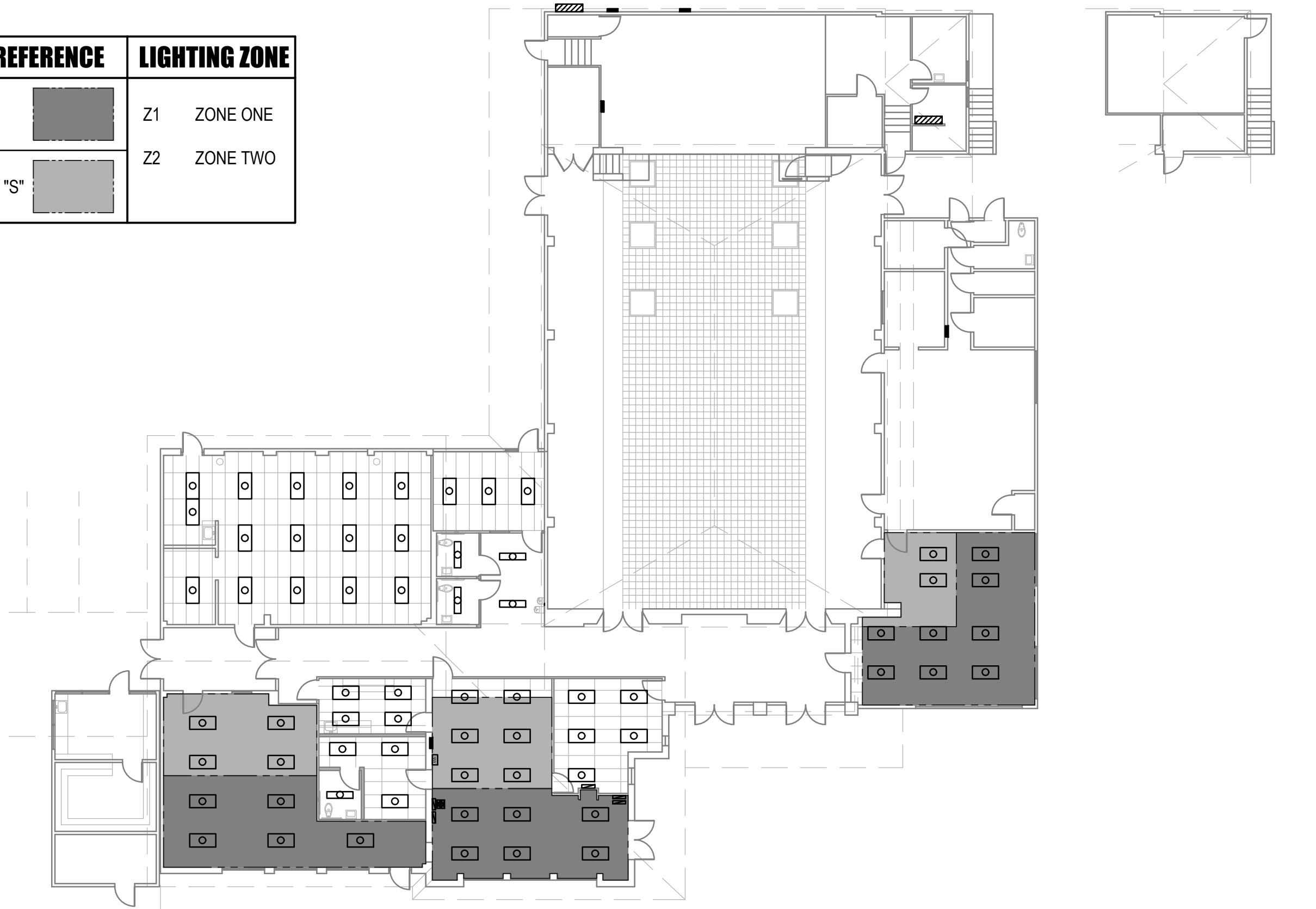
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GENERAL TITLE 24 LIGHTING NOTES:

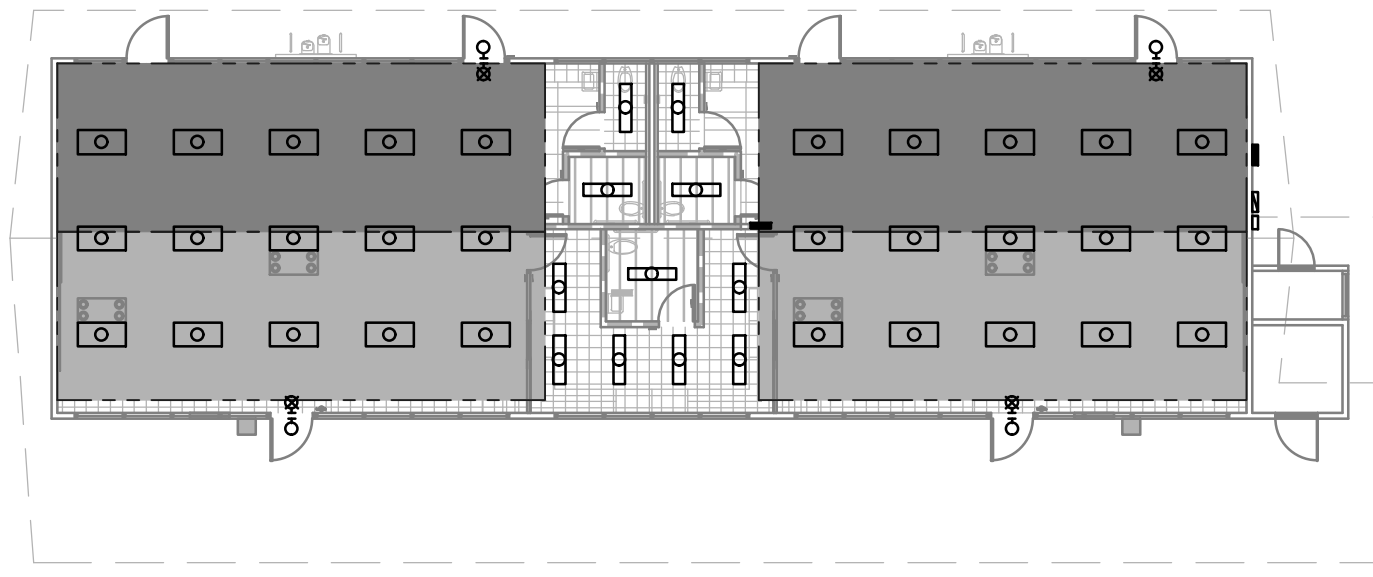
- REFER TO CALIFORNIA ENERGY CODE FOR ALL REQUIREMENTS.
- REFER TO LIGHTING CONTROL WIRING DIAGRAM AND DAYLIT FLOOR PLAN AND COMPLY WITH THE FOLLOWING:
- LUMINARIES IN THE SKYLIT ZONE SHALL BE CONTROLLED SEPARATELY FROM THOSE IN THE PRIMARY SIDELIT DAYLIT ZONES.
 - LUMINARIES THAT FALL IN BOTH, A SKYLIT AND PRIMARY SIDELIT DAYLIT ZONE, SHALL BE CONTROLLED AS PART OF THE SKYLIT DAYLIT ZONE.
 - LUMINARIES IN THE SECONDARY DAYLIT ZONE SHALL BE CONTROLLED INDEPENDENTLY FROM ALL OTHER LUMINARIES, INCLUDING THOSE IN THE SKYLIT AND PRIMARY SIDELIT ZONES. LUMINARIES THAT FALL IN BOTH PRIMARY AND SECONDARY SIDELIT DAYLIT ZONES SHALL BE CONTROLLED AS PART OF THE PRIMARY SIDELIT DAYLIT ZONE.
 - LUMINARIES THAT FALL IN ALL THREE ZONES SHALL BE CONTROLLED AS PART OF THE SKYLIT DAYLIT ZONE.
 - PROVIDE SHOP DRAWING OF LIGHTING CONTROL SYSTEM.
 - NETWORK CABLING NOT SHOWN FOR CLARITY. REFER TO CONTROL DIAGRAM.
 - CONTROL EQUIPMENT IS INDICATED DIAGMATICALLY. LOCATE IN ACCESSIBLE ATTIC SPACES.

DAYLIT ZONE AREA REFERENCE	LIGHTING ZONE
PRIMARY SIDELIT ZONE "P"	Z1 ZONE ONE
SECONDARY SIDELIT ZONE "S"	Z2 ZONE TWO



**LIGHTING FLOOR PLAN
 BUILDING 'A'**

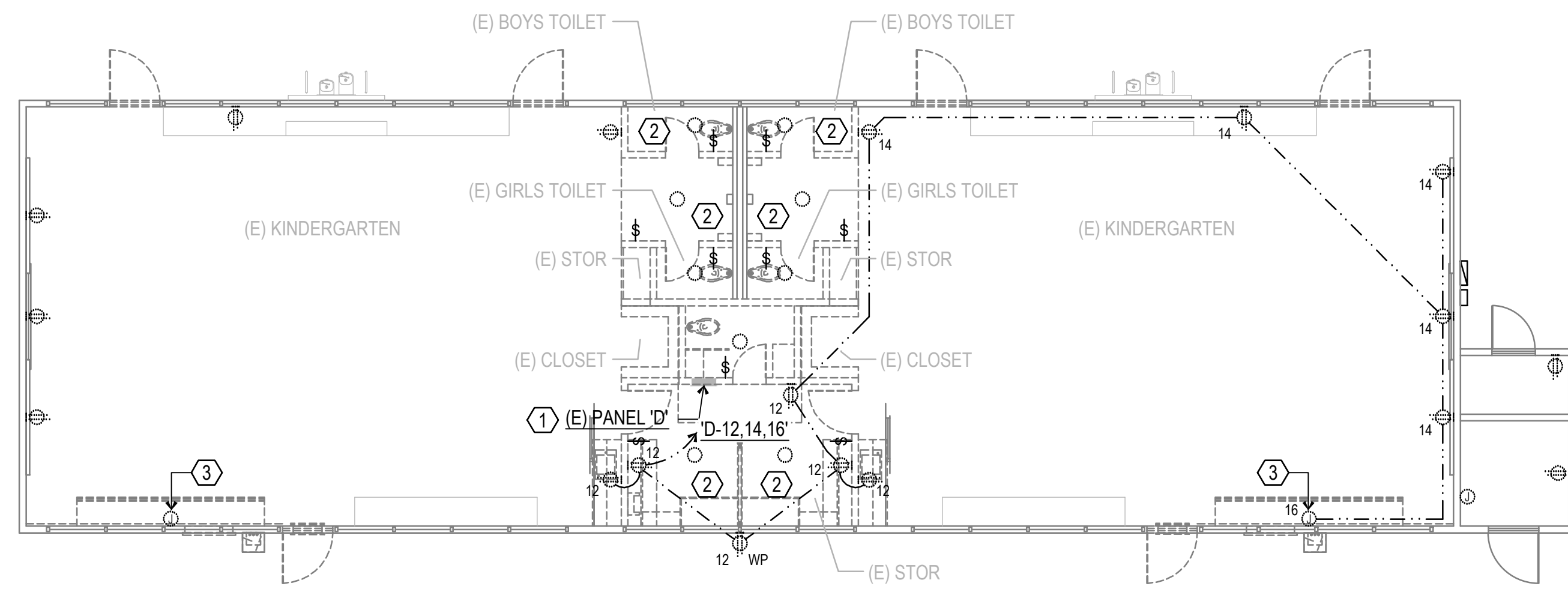
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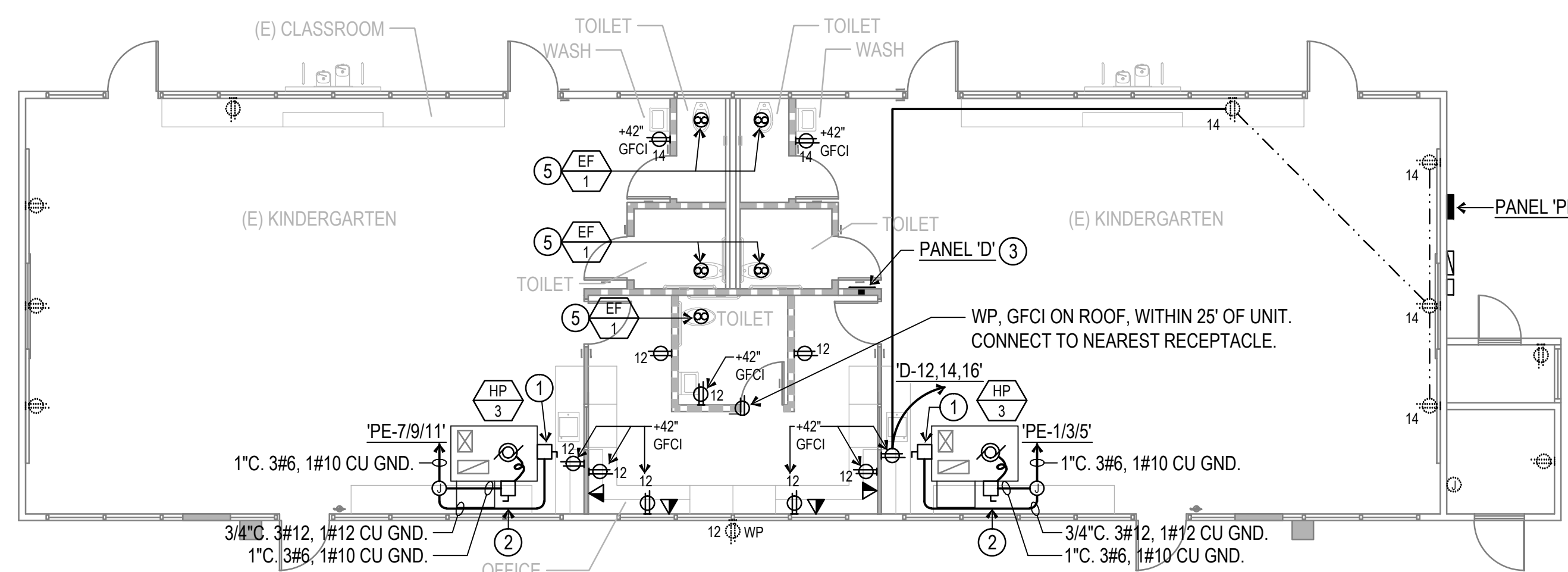
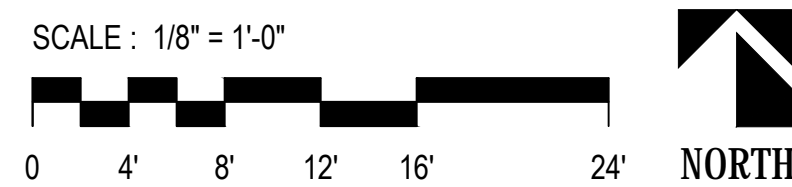
**LIGHTING FLOOR PLAN
 BUILDING 'E'**

SCALE: 1/16" = 1'-0"

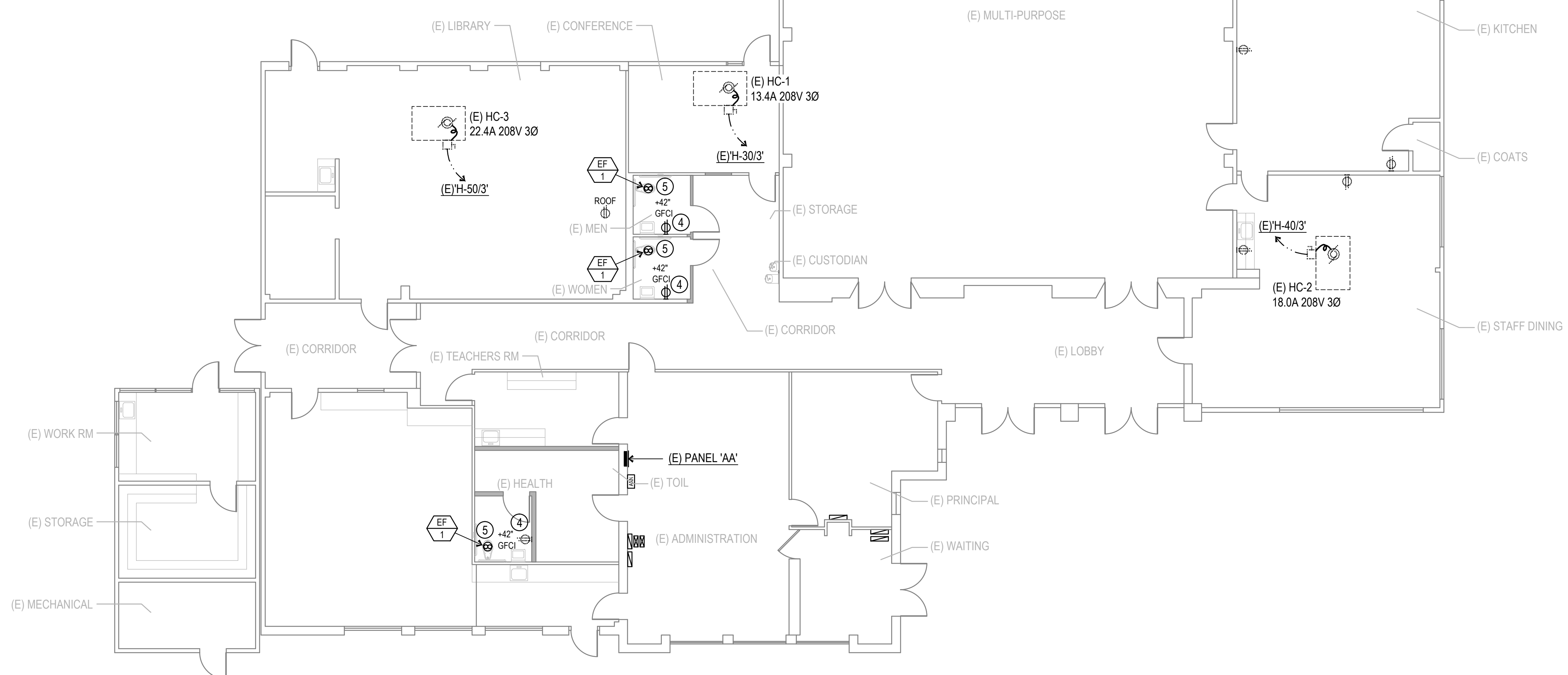
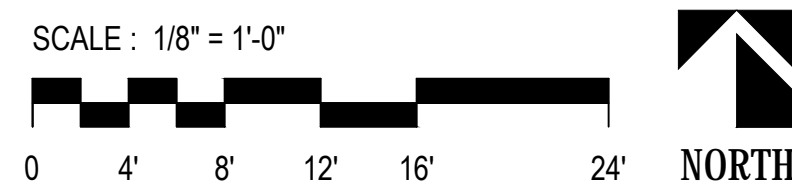




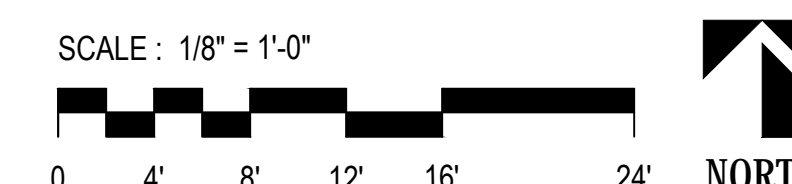
DEMO POWER PLAN
BUILDING 'E'



POWER FLOOR PLAN
BUILDING 'E'



POWER FLOOR PLAN
BUILDING 'A'



DEMOLITION REFERENCE NOTES

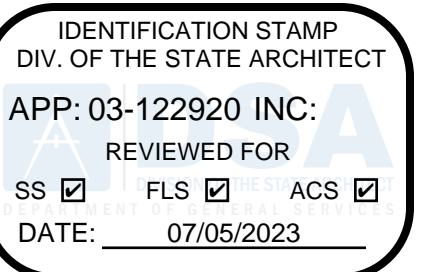
- ① EXISTING PANEL TO BE RELOCATED AND REPLACED. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS TO NEW LOCATION. SAWCUT AND PATCH FLOOR. EXTEND BRANCH CIRCUIT TO NEAREST WALL AND REROUTE TO PANEL AND/OR PROVIDE J-BOX IN CEILING TO INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS TO NEW LOCATION.
- ② DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES. REFER TO DEMO NOTES.
- ③ DISCONNECT POWER TO UNIT VENTILATOR. PROVIDE BLANK COVER AND LABEL CIRCUIT BREAKER AS SPARE.

POWER REFERENCE NOTES

- ① POWERED EXHAUST FUSED DISCONNECT.
- ② HP FUSED DISCONNECT.
- ③ PROVIDE TRIM KIT FOR 6" PANEL IN 4" WALL
- ④ CONNECT TO NEAREST RECEPTACLE CIRCUIT.
- ⑤ CONNECT FAN TO EXISTING LIGHTING IN RESTROOM.

DEMOLITION NOTES:

- 1. REMOVE AND/OR REROUTE AND RECONNECT ANY EXISTING CIRCUITS INTERRUPTED BY DEMOLITION WORK. ALL EXISTING EQUIPMENT THAT IS REMOVED SHALL BE RETURNED TO OWNER.
- 2. REMOVE AND/OR REROUTE AND RECONNECT ANY EXISTING ELECTRICAL WORK WHICH INTERFERES WITH NEW CONSTRUCTION AS REQUIRED.
- 3. ALL CONDUITS SHALL BE CONCEALED. WHERE SPECIFICALLY PERMITTED ON JOB, CONDUIT MAY BE RUN EXPOSED AND SHALL BE INSTALLED IN A MANNER TO THE SATISFACTION OF THE ARCHITECT.
- 4. EXISTING ELECTRICAL OUTLET BOXES AND RACEWAYS, WHERE LOCATED TO BE OF VALUE FOR NEW CONSTRUCTION AND WHERE JUDGED TO BE IN GOOD CONDITION BY THE ARCHITECT, MAY BE REFURBISHED AND REUSED.
- 5. INSTALL NEW CONDUCTORS WHENEVER EXISTING OUTLET BOXES ON RACEWAYS ARE USED. DO NOT USE EXISTING CONDUCTORS. MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER UNLESS OTHERWISE NOTED.
- 6. REMOVE CONDUCTORS FROM ANY ABANDONED RACEWAY, BACK TO NEAREST TERMINATION POINT.
- 7. COORDINATE REMOVAL OF EXISTING LIGHT FIXTURES, OUTLETS, PHONES, ETC., WITH ARCHITECTURAL PLAN.
- 8. REMOVE EXISTING OUTLET DEVICES AND PLATES REMAINING AND PROVIDE ALL NEW IN EXISTING BOXES AS REQUIRED.
- 9. COORDINATE WITH OWNER ALL DISRUPTION OF SCHOOL CLOCK, PROGRAM, FIRE ALARM, INTERCOM SYSTEMS AND POWER SERVICE.
- 10. ALL DEVICES, ETC. IN WALLS TO BE DEMOLISHED SHALL BE DISCONNECTED AND REMOVED, WHETHER INDICATED OR NOT. FIELD VERIFY ALL CONDITIONS PRIOR TO BID.
- 11. CONTRACTOR SHALL PATCH TO MATCH ALL EXISTING SURFACES TO REMAIN WHICH MAY BE DAMAGED DURING ELECTRICAL DEMOLITION.
- 12. FLUSH OUT ALL EXISTING DEVICES TO NEW WALL FINISH. REMOVE AND REINSTALL ALL (E) SURFACE RACEWAYS. REFER TO ARCHITECTURAL DRAWINGS, FIELD VERIFY ALL CONDITIONS.
- 13. REFER TO MECHANICAL PLANS AND DISCONNECT ALL MECHANICAL AND PLUMBING EQUIPMENT TO BE REMOVED. LABEL CIRCUIT BREAKER AS SPARE.



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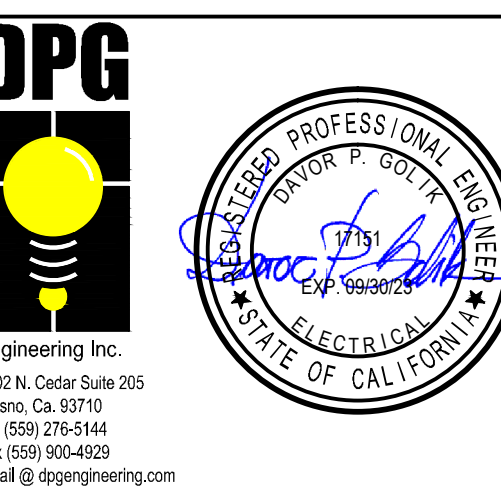
**ROOSEVELT ELEMENTARY SCHOOL
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**BLDG'S A & E
POWER & DEMO
FLOOR PLANS**

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REGISTERED ARCHITECT
 STATE OF CALIFORNIA
 C14785
 STEPHEN C. CARB, AIA, LEED® - AP

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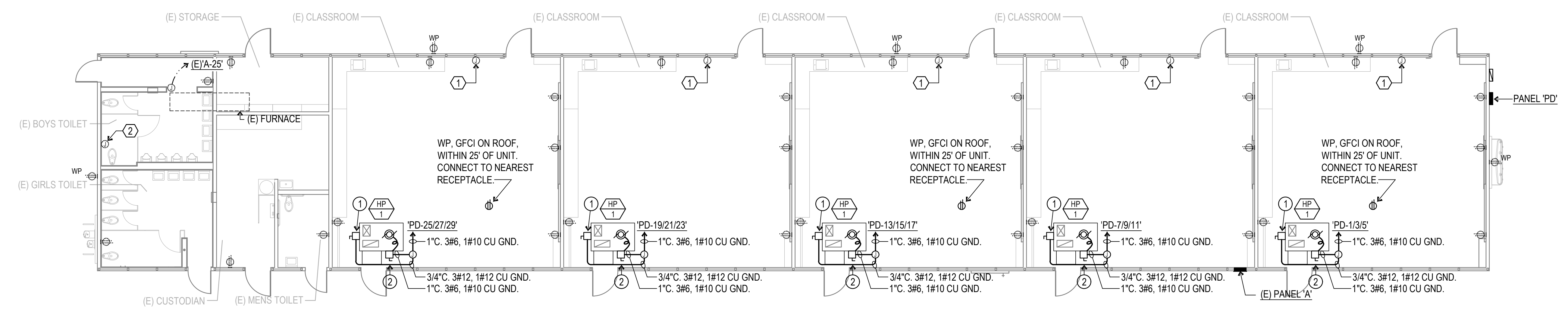
DPG
 ENGINEERING INC.
 6702 N. Cedar Suite 205
 Fresno, Ca. 93710
 Ph: (559) 218-5144
 Fax: (559) 900-4029
 Email: dpg@dpgeengineering.com

**BLDGS B,C & D
 POWER
 FLOOR PLANS**

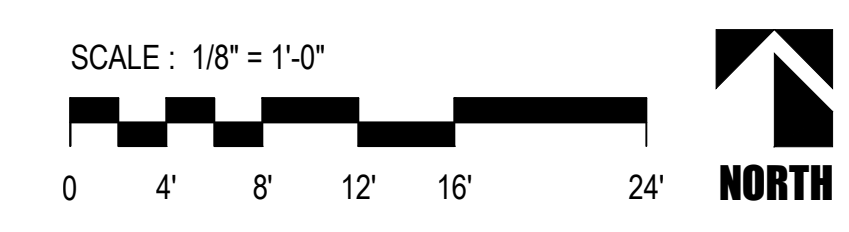
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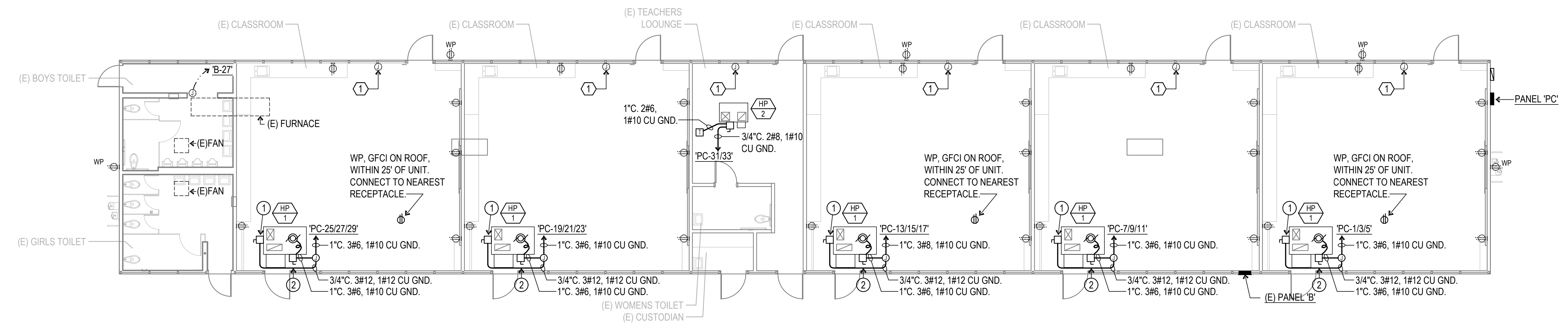
3.20
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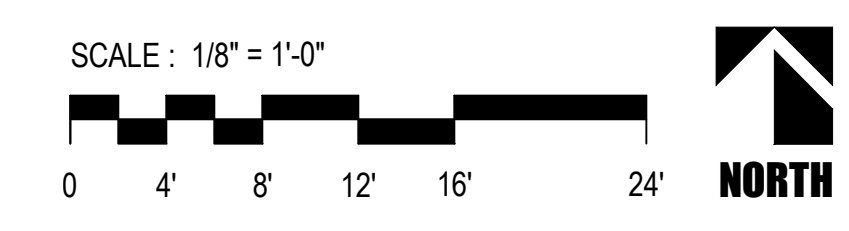
**POWER FLOOR PLAN
 BUILDING 'D'**



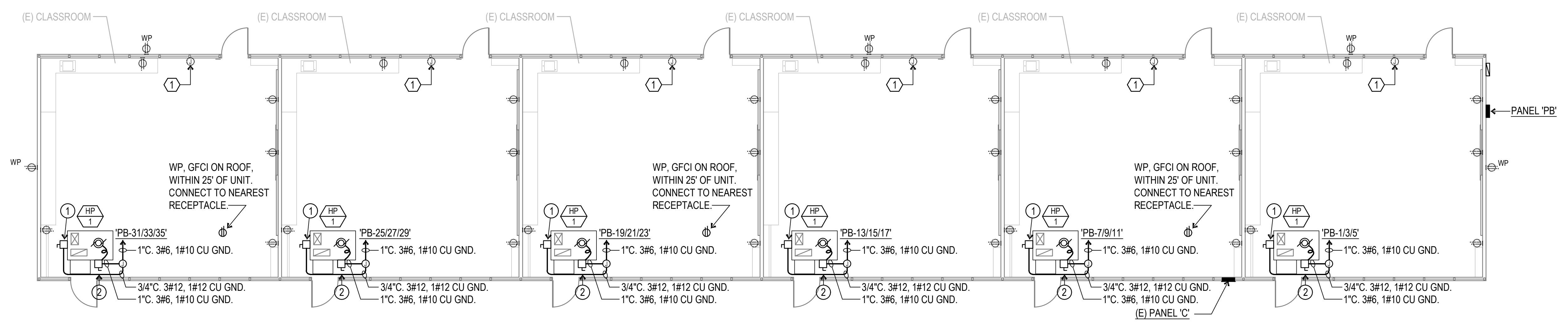
- DEMOLITION REFERENCE NOTES**
- ① DISCONNECT POWER TO UNIT VENTILATOR. PROVIDE BLANK COVER AND LABEL CIRCUIT BREAKER AS SPARE.
 - ② DISCONNECT EXISTING HAND DRYER. REMOVE CONDUCTORS BACK TO PANEL LABEL CIRCUIT BREAKER AS SPARE.



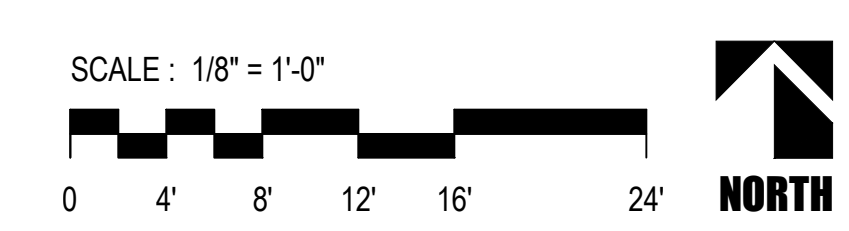
**POWER FLOOR PLAN
 BUILDING 'C'**



- POWER REFERENCE NOTES**
- ① POWERED EXHAUST FUSED DISCONNECT.
 - ② HP FUSED DISCONNECT.

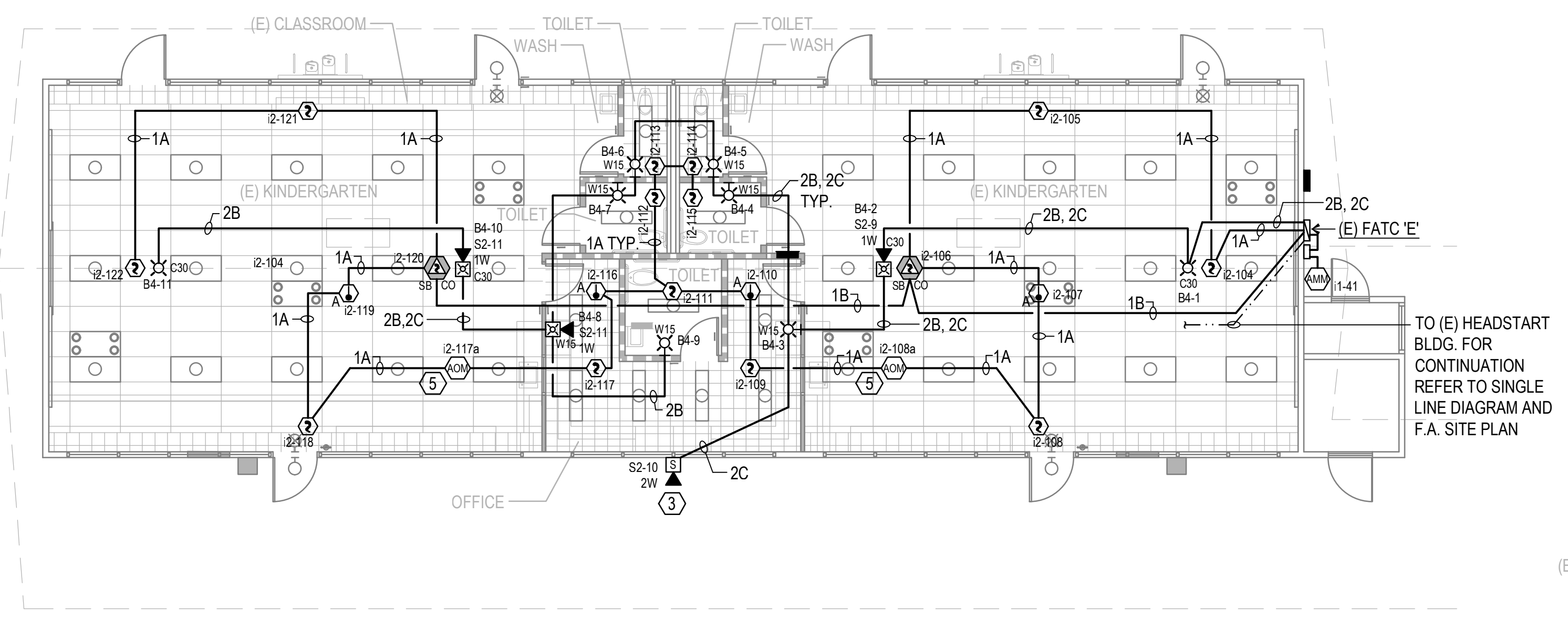


**POWER FLOOR PLAN
 BUILDING 'B'**

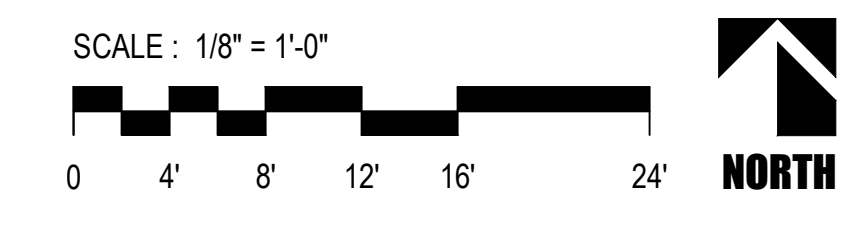


REFERENCE NOTES

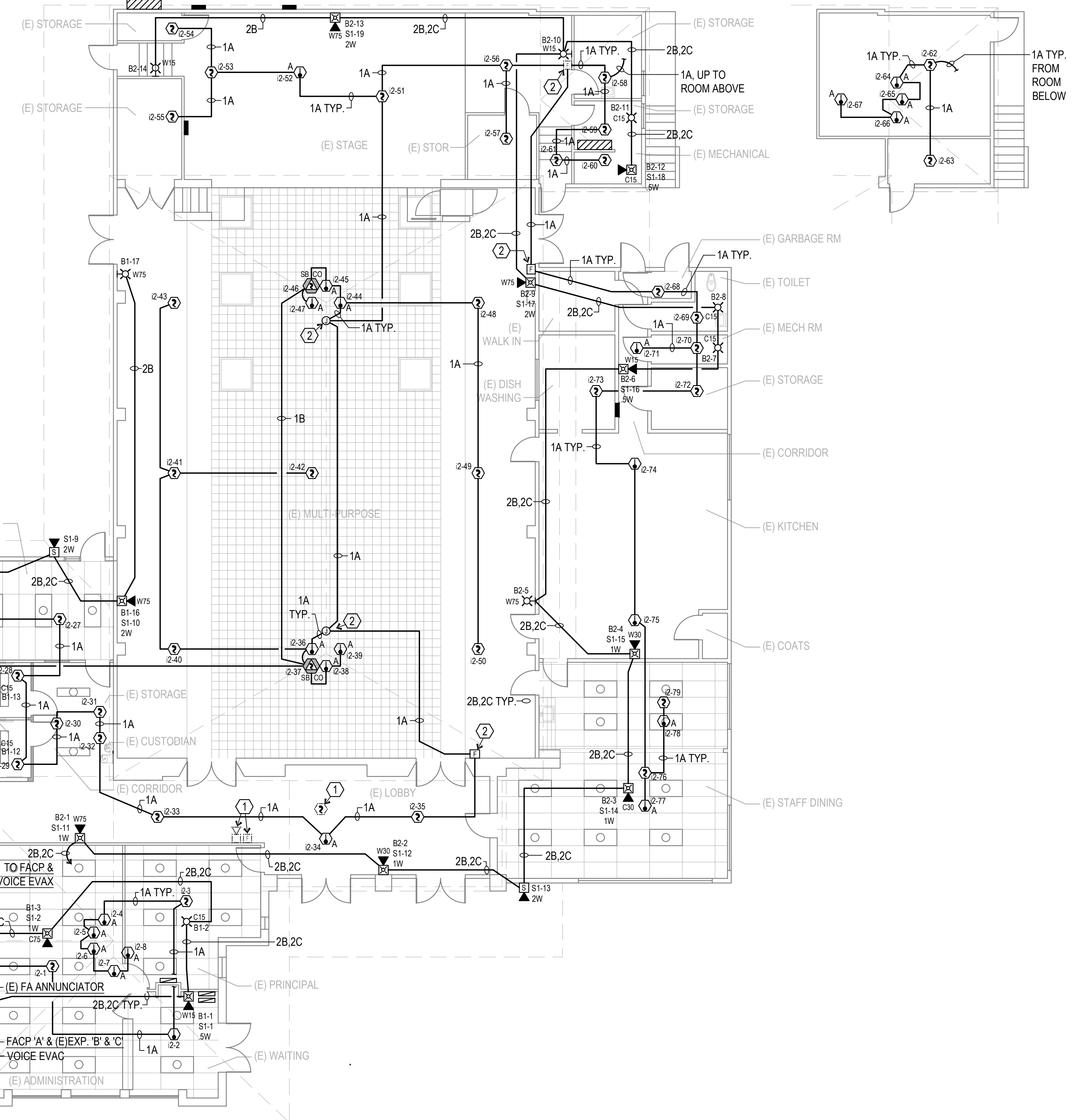
- ① REMOVE EXISTING FIRE ALARM DEVICE. REMOVE UNUSED CONDUIT AND WIRING. PATCH AS REQUIRED.
- ② REMOVE EXISTING FIRE ALARM DEVICE. ADD JUNCTION BOX AND REUSE EXISTING CONDUIT AS REQUIRED.
- ③ EXISTING DEVICE LOCATION. REPLACE WITH NEW DEVICE AS SHOWN.
- ④ RE-CONNECT TO EXISTING FIRE ALARM FACP, PER SINGLE LINE DIAGRAM.
- ⑤ RELAY AT AC UNIT HP-3, FOR AUTOMATIC SHUT OFF PER CMC 608.



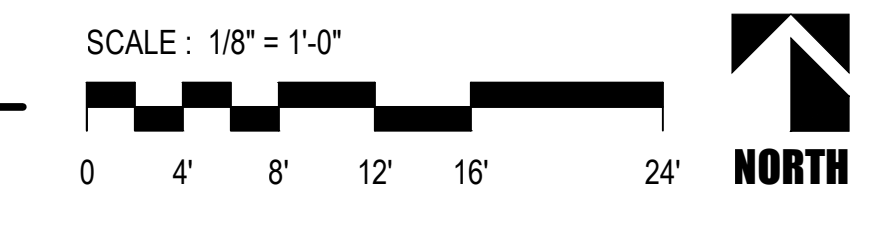
FIRE ALARM FLOOR PLAN
BUILDING 'E'



TO (E) HEADSTART BLDG. FOR CONTINUATION REFER TO SINGLE LINE DIAGRAM AND F.A. SITE PLAN



FIRE ALARM FLOOR PLAN
BUILDING 'A'



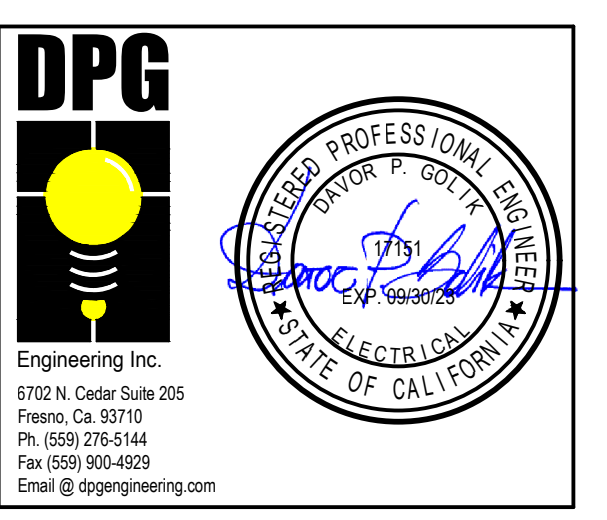
**ROOSEVELT ELEMENTARY SCHOOL
 MODERNIZATION**
 2324 VERDE STREET
 FOR
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
 BAKERSFIELD, CA 93309
 PH: (661) 397-4377
 FAX: (661) 397-4378
 WWW.SCARCHITECT.COM

STEPHEN G. CARR, ALLIED[®]-AP

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



**BLDG'S A & E
 FIRE ALARM
 FLOOR PLANS
 AND NOTES**

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.
1317
 DRAWN:
 R.L.M.
 CHECKED:
 D.P.G.
 DATE:
 12/8/22

4.10
 OF SHEETS



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 LICENSED ARCHITECT
 STATE OF CALIFORNIA
 C-16888

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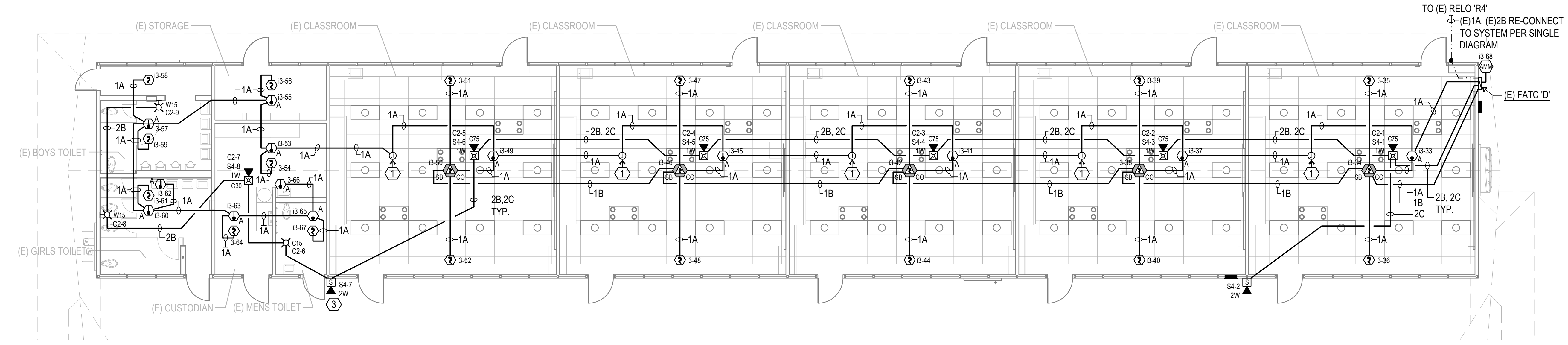
DPG
 ENGINEERING INC.
 6702 N. Cedar Suite 205
 Fresno, Ca. 93710
 Ph: (509) 278-5144
 Fax: (509) 900-4029
 Email: info@dpgeengineering.com

**BLDGS B, C & D
 FIRE ALARM
 FLOOR PLANS**

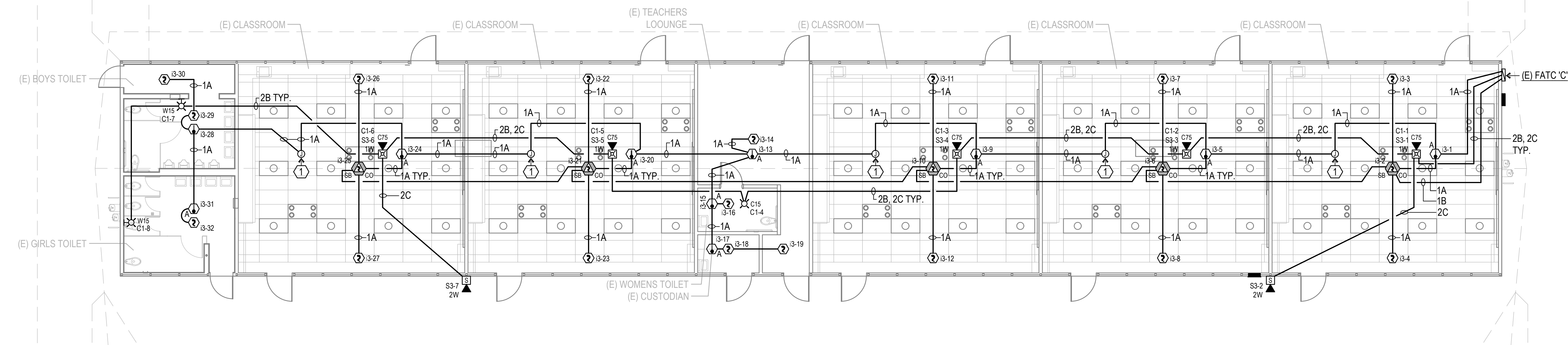
MARK	DATE	REVISIONS
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JOB NO.
1317
 DRAWN:
 R.L.M.
 CHECKED:
 D.P.G.
 DATE:
 12/8/22

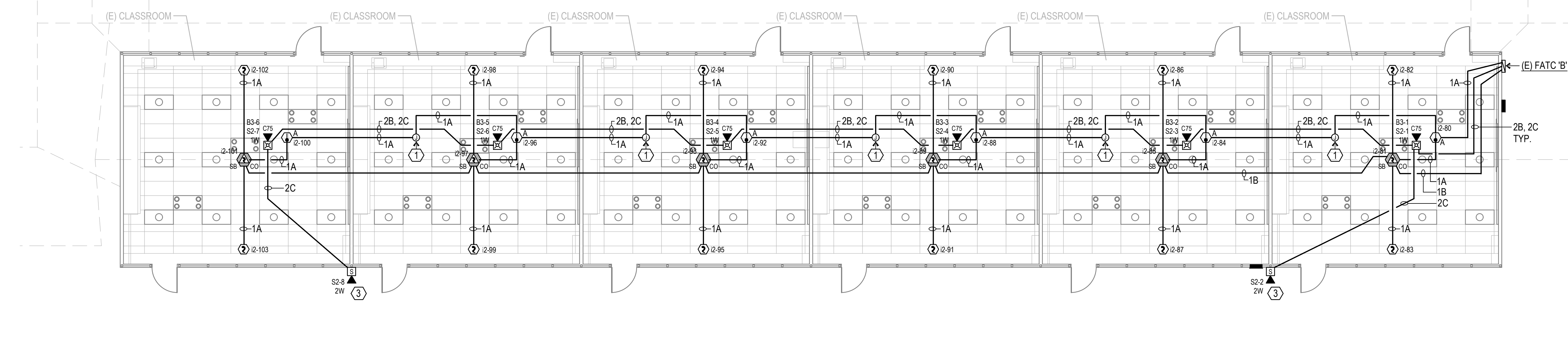
4.20
 OF SHEETS



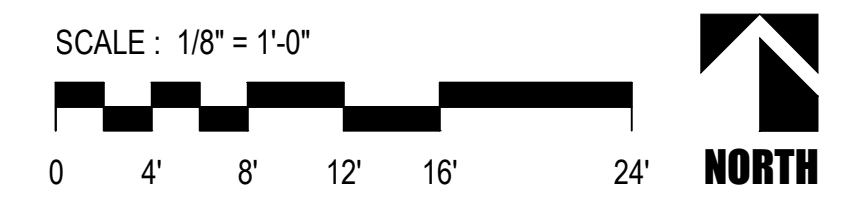
**FIRE ALARM FLOOR PLAN
 BUILDING 'D'**



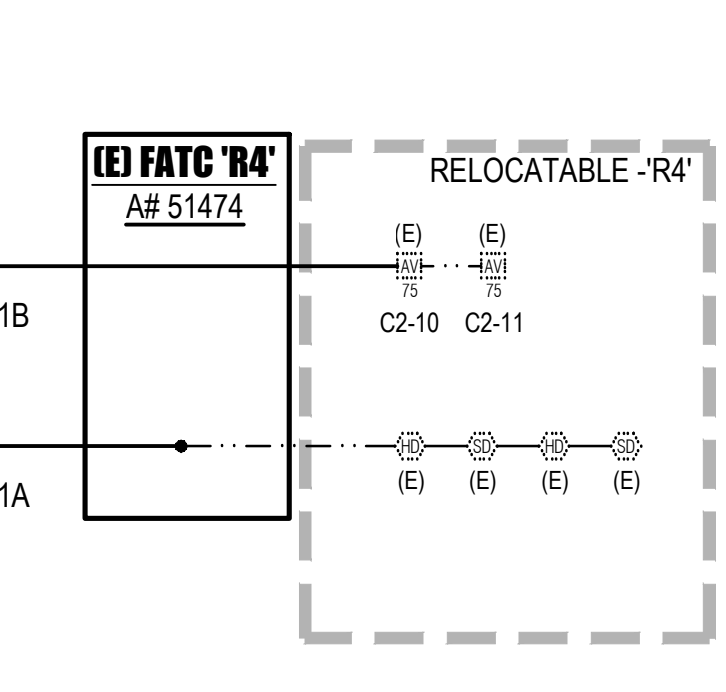
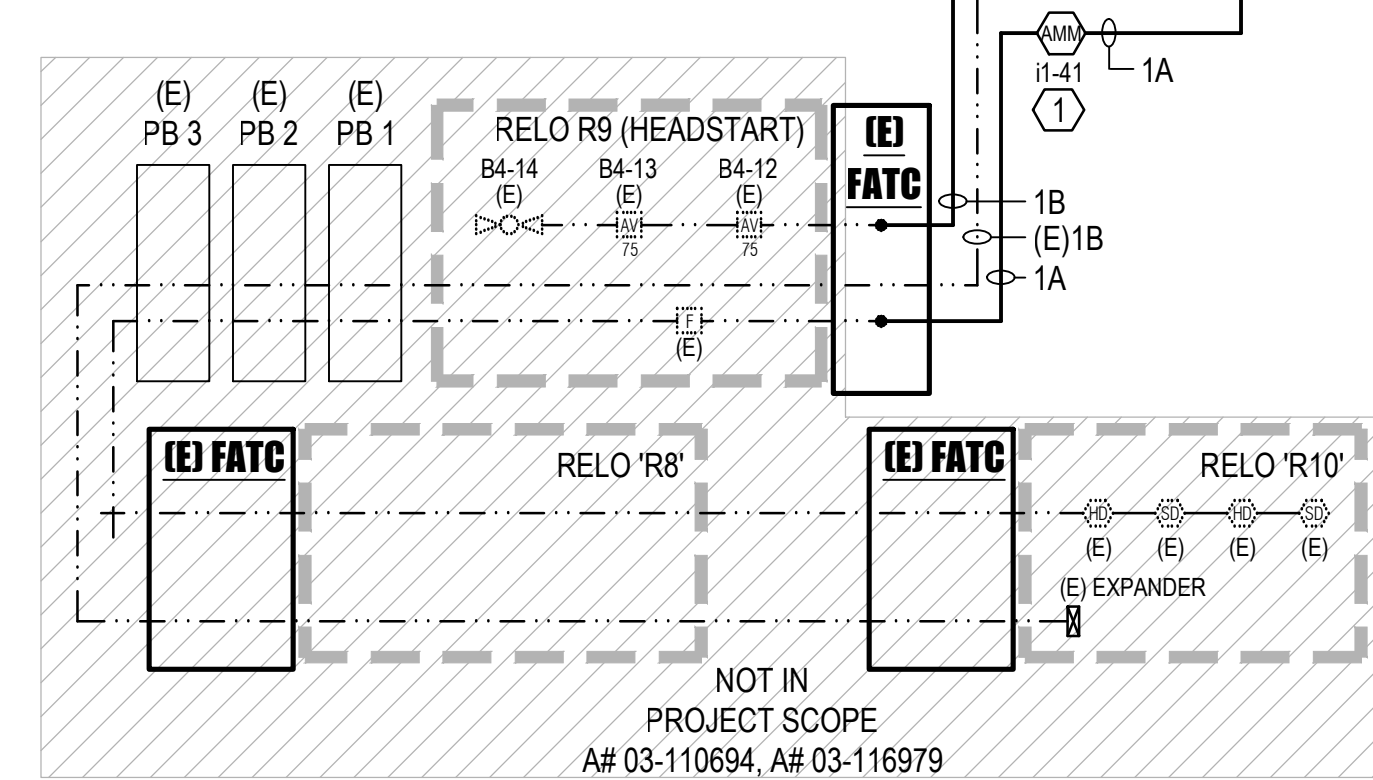
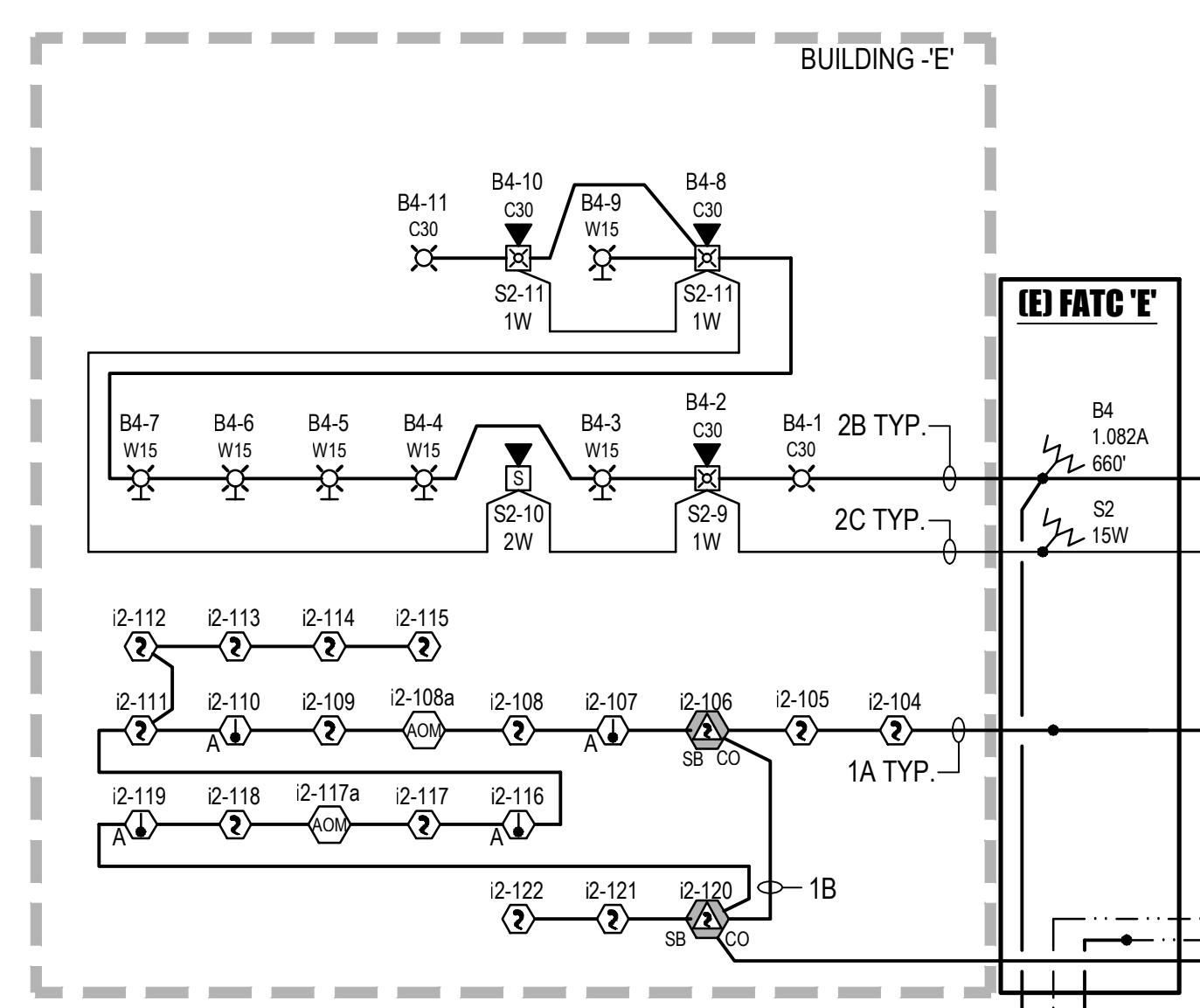
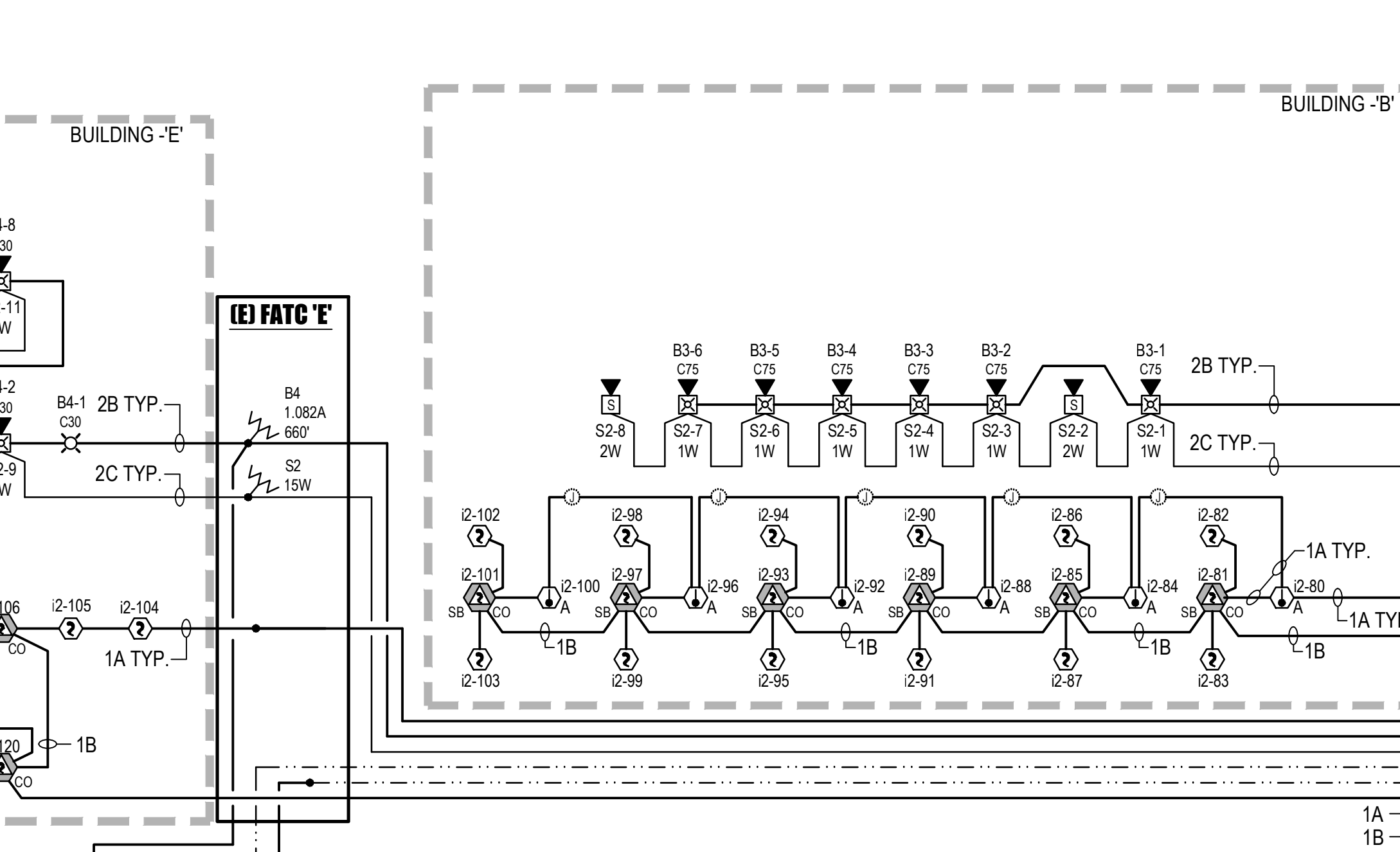
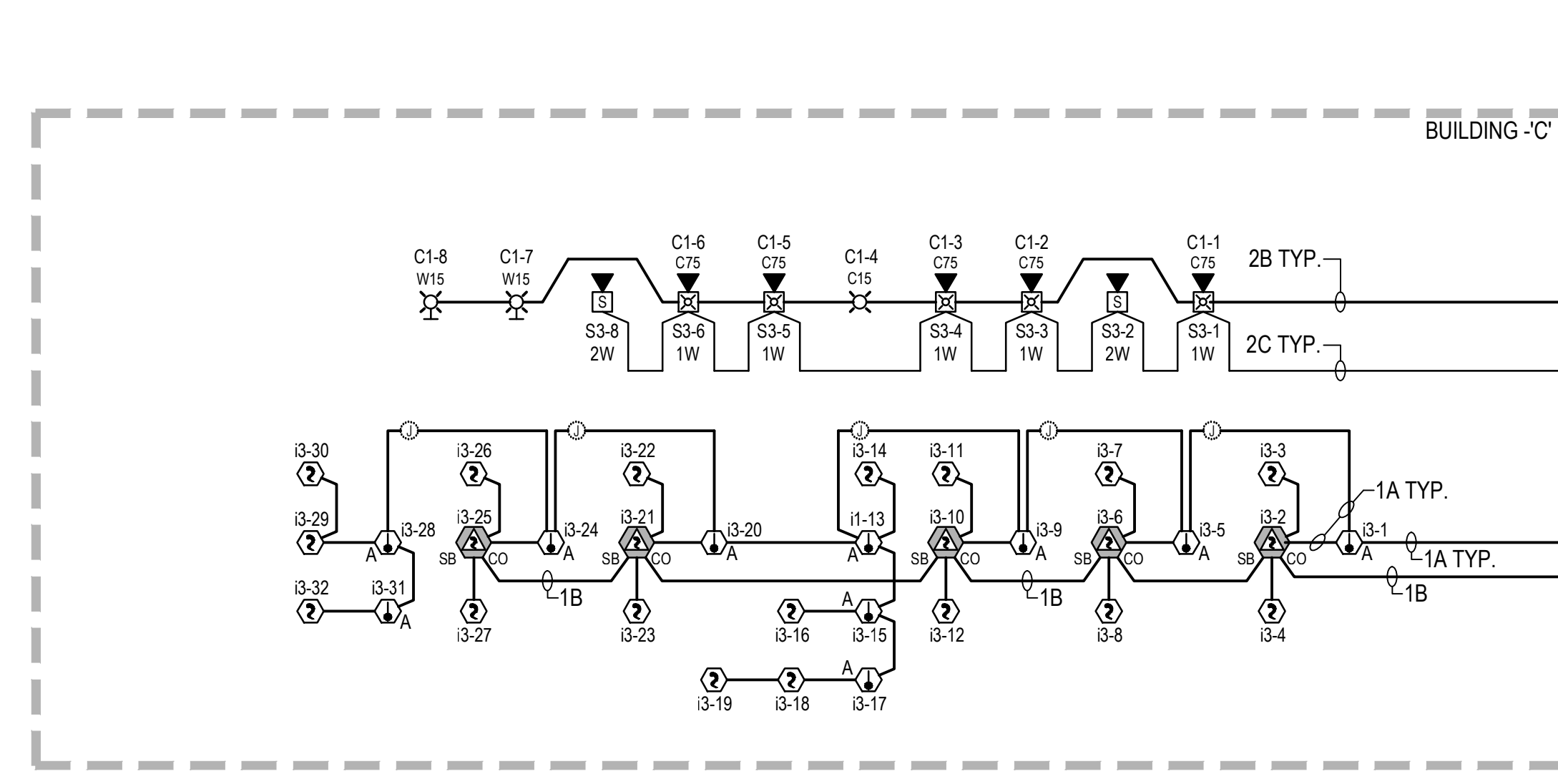
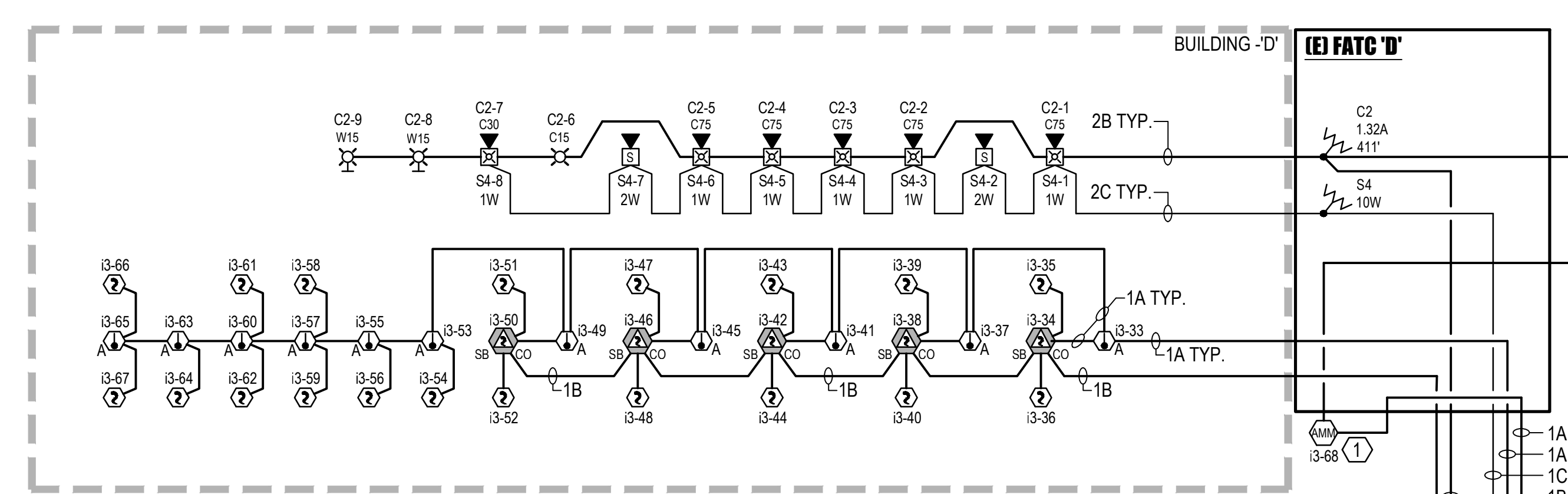
**FIRE ALARM FLOOR PLAN
 BUILDING 'C'**



**FIRE ALARM FLOOR PLAN
 BUILDING 'B'**



REFERENCE NOTES
 (1) REMOVE EXISTING FIRE ALARM DEVICE. IF NECESSARY, ADD JUNCTION BOX AND REUSE EXISTING CONDUIT AS REQUIRED.



REFERENCE NOTES

- PULL SLC FROM "FACP-A" THROUGH EXISTING CONDUIT. ADD AMM-4F MONITOR MODULE AND AOM-2RF RELAY MODULE. INSTALL IN (2) 4 SQUARE BOXES WITH 2 GANG RINGS ADJACENT TO EXISTING "FATC" TO MONITOR EXISTING INITIATION DEVICES.
- CONNECT EXISTING WIRING NAC CIRCUIT AS SHOWN, TO RE-ESTABLISH CONNECTION TO EXPANDER IN RELOCATABLE 'R9'

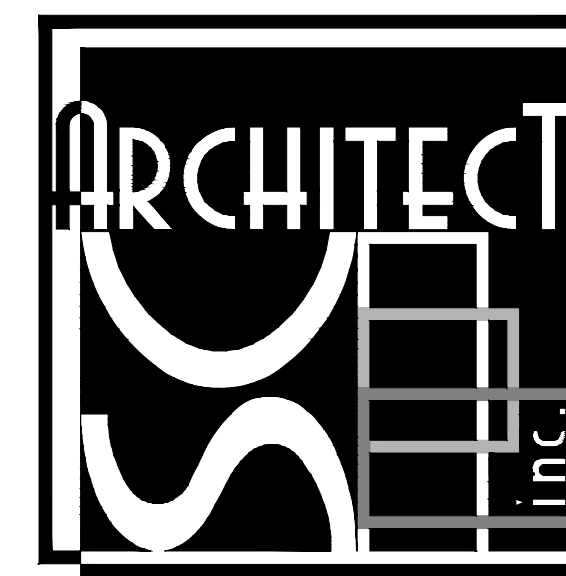
FA CABLE SCHEDULE			
'A'	ADDRESSABLE FA COMMUNICATION CABLE	WEST PENN #990 (INDOOR)	WEST PENN #AQ225 (OUTDOOR)
'B'	2#12 CU.	WEST PENN #998 (INDOOR)	WEST PENN #AQ227 (OUTDOOR)
'C'	SPEAKER CABLE 14/2	WEST PENN #972 (INDOOR)	WEST PENN #AQ295 (OUTDOOR)

NOTE: ALL FIRE ALARM CABLE INSTALLED IN 3/4" EMT RED MIN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

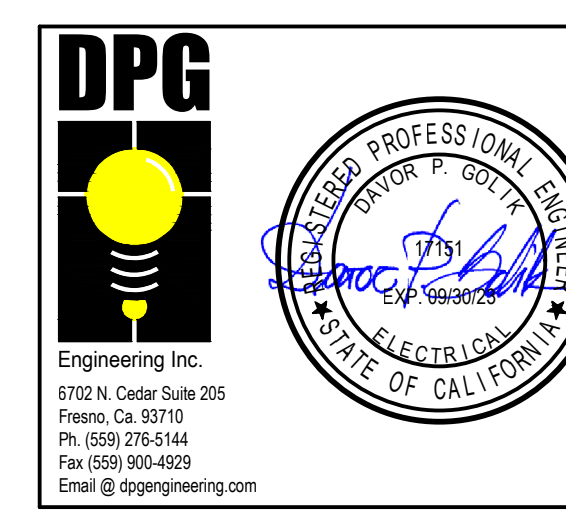
**ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION**
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
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REGISTERED ARCHITECT
STEPHEN C. SCARBOROUGH, AIA, LEED AP

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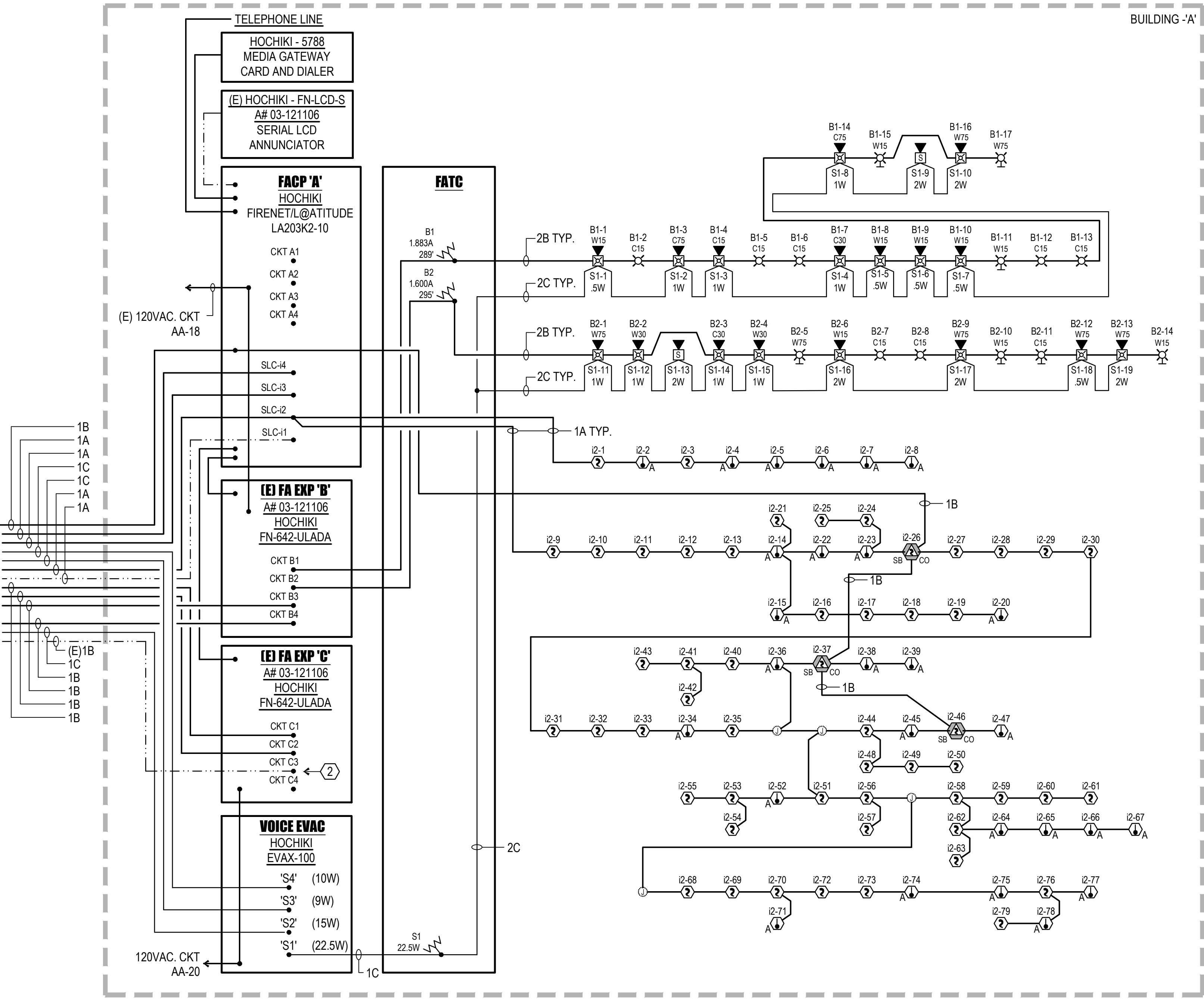


**FIRE ALARM
SINGLE LINE
DIAGRAM**

MARK	DATE	REVISIONS

JOB NO.
1317
DRAWN:
R.L.M.
CHECKED:
D.P.G.
DATE:
12/8/22

4.30
OF SHEETS



FIRE ALARM SINGLE LINE DIAGRAM

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

VOLTAGE DROP CALCULATION
NAC Circuit 'B1'
VD = Voltage Drop [V]
I = Current [A] (1.883A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (289)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.883 \cdot 2 \cdot 289 = 1.833$ V
CM 6530
VD% = $\frac{VD}{V} = 9.0\%$
20.4

VOLTAGE DROP CALCULATION
NAC Circuit 'B2'
VD = Voltage Drop [V]
I = Current [A] (1.6A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (295)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.6 \cdot 2 \cdot 295 = 1.590$ V
CM 6530
VD% = $\frac{VD}{V} = 7.8\%$
20.4

VOLTAGE DROP CALCULATION
NAC Circuit 'B3'
VD = Voltage Drop [V]
I = Current [A] (1.056A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (246)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.056 \cdot 2 \cdot 246 = 0.875$ V
CM 6530
VD% = $\frac{VD}{V} = 4.3\%$
20.4

VOLTAGE DROP CALCULATION
NAC Circuit 'B4'
VD = Voltage Drop [V]
I = Current [A] (1.082A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (660)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.082 \cdot 2 \cdot 660 = 2.406$ V
CM 6530
VD% = $\frac{VD}{V} = 11.8\%$
20.4

NAC EXTENDER BATTERY CALCULATION
Extender Panel 'C'
POWER REQUIREMENTS
CURRENT [A]
SUPERVISORY 0.065
ALARM 2.561
NAC CIRCUITS - 2.416
TOTALS 0.065 2.561
BATTERY CAPACITY
SUPERVISORY POWER = 24 Hr * 0.065A = 1.560 Ahr
ALARM POWER = 2.561A * 5.844V = 15.00 Ahr
WITH 20% SAFETY FACTOR = 2.400 Ahr
MINIMUM BATTERY CAPACITY = 5 Ahr
USE NOTIFIER BATTERIES (2) BAT-1250-BP
NOTE: PROVIDE BATTERY BOX AS REQUIRED

VOLTAGE DROP CALCULATION
NAC Circuit 'C1'
VD = Voltage Drop [V]
I = Current [A] (1.096A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (346)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.096 \cdot 2 \cdot 346 = 1.278$ V
CM 6530
VD% = $\frac{VD}{V} = 6.3\%$
20.4

VOLTAGE DROP CALCULATION
NAC Circuit 'C2'
VD = Voltage Drop [V]
I = Current [A] (1.32A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (411)
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)
VD = $K \cdot I \cdot 2L = 11 \cdot 1.32 \cdot 2 \cdot 411 = 1.828$ V
CM 6530
VD% = $\frac{VD}{V} = 9.0\%$
20.4

BATTERY CALCULATION
Voice Evac. Amplifier Cabinet 'EVAX-100'
POWER REQUIREMENTS
CURRENT [A]
STANDBY 0.180
ALARM 2.500
PANEL OVERHEAD 0.180 2.500
SPEAKER LOAD - 3.344
TOTALS 0.180 5.844
BATTERY CAPACITY
SUPERVISORY POWER = 24 Hr * 0.18A = 4.320 Ahr
SPEAKER LOAD = 0.25 Hr * 5.844A = 1.461 Ahr
TOTAL POWER REQUIREMENT = 5.781 Ahr
WITH 20% SAFETY FACTOR = 6.937 Ahr
MINIMUM BATTERY CAPACITY = 7 Ahr
USE NOTIFIER BATTERIES (2) BAT-1270-BP
NOTE: PROVIDE BATTERY BOX AS REQUIRED

FACP BATTERY CALCULATION
Fire Alarm Control Panel 'FACP A'
POWER REQUIREMENTS
CURRENT [A]
SUPERVISORY 1.095
ALARM 1.345
PANEL OVERHEAD 0.130
2 EXPANDER PNL 0.114
TWO FULL SLC LOOPS 0.140
NAC CIRCUITS SUMMARY 0.000
TOTALS 1.339 1.485
BATTERY CAPACITY
SUPERVISORY POWER = 24 Hr * 1.339A = 32.136 Ahr
ALARM POWER = 1.485A * 5.844V = 8.66 Ahr
WITH 20% SAFETY FACTOR = 32.507 Ahr
MINIMUM BATTERY CAPACITY = 39.009 Ahr
USE NOTIFIER BATTERIES (2) BAT-1250-BP
Note:
1. PRIOR TO START OF CONSTRUCTION, PERFORM BATTERY TEST AND PROVIDE REPORT TO EOR. INCLUDE IN REPORT, EXISTING SUPERVISORY AND ALARM CURRENT.
2. PROVIDE BATTERY BOX AS REQUIRED

NAC EXTENDER BATTERY CALCULATION
Extender Panel 'B'
POWER REQUIREMENTS
CURRENT [A]
SUPERVISORY 0.065
ALARM 5.621
PANEL OVERHEAD 0.065 0.145
NAC CIRCUITS - 5.621
TOTALS 0.065 5.766
BATTERY CAPACITY
SUPERVISORY POWER = 24 Hr * 0.065A = 1.560 Ahr
ALARM POWER = 5.621A * 5.766V = 32.20 Ahr
WITH 20% SAFETY FACTOR = 3.002 Ahr
MINIMUM BATTERY CAPACITY = 5 Ahr
USE NOTIFIER BATTERIES (2) BAT-1250-BP
NOTE: PROVIDE BATTERY BOX AS REQUIRED

PANEL 'PD' VOLTAGE: 277/480 VOLT 3 PHASE 4 W MAIN: 4003 BREAKER STYLE: BOLT ON MTG STYLE: SURFACE NEMA 3R
BUS RATING: 400A CU FEEDER: REFER TO SINGLE LINE DIAGRAM
Table with columns: CT #, VA LOAD PER PHASE (A, B, C), LOAD DESCRIPTION, LOAD TYPE (LT, RC, HT, MO, MS), CB, VALOAD PER PHASE (A, B, C), CT #. Includes a summary table at the bottom for lighting, receptacles, heating, HVAC, and miscellaneous loads.

PANEL 'PB' VOLTAGE: 277/480 VOLT 3 PHASE 4 W MAIN: 3003 BREAKER STYLE: BOLT ON MTG STYLE: SURFACE NEMA 3R
BUS RATING: 400A CU FEEDER: REFER TO SINGLE LINE DIAGRAM
Table with columns: CT #, VA LOAD PER PHASE (A, B, C), LOAD DESCRIPTION, LOAD TYPE (LT, RC, HT, MO, MS), CB, VALOAD PER PHASE (A, B, C), CT #. Includes a summary table at the bottom for lighting, receptacles, heating, HVAC, and miscellaneous loads.

PANEL 'PE' VOLTAGE: 277/480 VOLT 3 PHASE 4 W MAIN: 903 BREAKER STYLE: BOLT ON MTG STYLE: SURFACE NEMA 3R
BUS RATING: 100A CU FEEDER: REFER TO SINGLE LINE DIAGRAM
Table with columns: CT #, VA LOAD PER PHASE (A, B, C), LOAD DESCRIPTION, LOAD TYPE (LT, RC, HT, MO, MS), CB, VALOAD PER PHASE (A, B, C), CT #. Includes a summary table at the bottom for lighting, receptacles, heating, HVAC, and miscellaneous loads.

PANEL 'PC' VOLTAGE: 277/480 VOLT 3 PHASE 4 W MAIN: 2503 BREAKER STYLE: BOLT ON MTG STYLE: SURFACE NEMA 3R
BUS RATING: 300A CU FEEDER: REFER TO SINGLE LINE DIAGRAM
Table with columns: CT #, VA LOAD PER PHASE (A, B, C), LOAD DESCRIPTION, LOAD TYPE (LT, RC, HT, MO, MS), CB, VALOAD PER PHASE (A, B, C), CT #. Includes a summary table at the bottom for lighting, receptacles, heating, HVAC, and miscellaneous loads.

Fixture Schedule
Table with columns: Name, Type Description, Lamp Type, Watts per fixture, Manufacturer, Model Number, Mounting, Notes. Lists fixtures A, Ae, B, X, and X1 with their specifications.

PANEL 'AA' VOLTAGE: 120/208 VOLT 3 PHASE 4 W MAIN: MLO BREAKER STYLE: BOLT ON MTG STYLE: FLUSH
BUS RATING: 100A CU FEEDER: REFER TO SINGLE LINE DIAGRAM
Table with columns: CT #, VA LOAD PER PHASE (A, B, C), LOAD DESCRIPTION, LOAD TYPE (LT, RC, HT, MO, MS), CB, VALOAD PER PHASE (A, B, C), CT #. Includes a summary table at the bottom for lighting, receptacles, heating, HVAC, and miscellaneous loads.

VOLTAGE DROP CALCULATIONS
Table with columns: VD (3 PHASE), Wire Size, CM, VD, %@480, %@208. Includes formulas for VD (3 PHASE) and VD (1 PHASE) and a summary table for receptacle circuit 1A-1B.

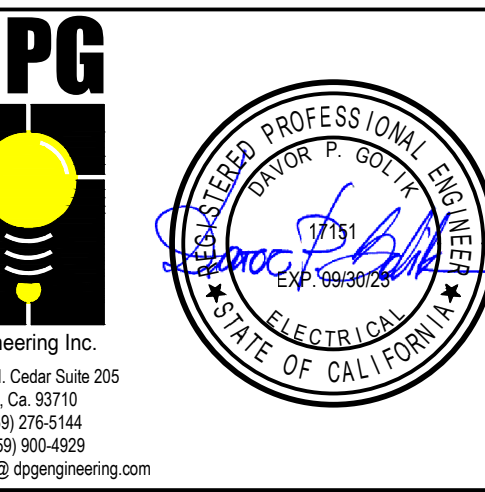
ROOSEVELT ELEMENTARY SCHOOL
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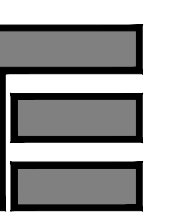
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PANEL SCHEDULES,
FIXTURE SCHEDULE
AND VOLTAGE
DROP CALC'S

MARK DATE REVISIONS
Table for tracking changes to the drawing.

JOB NO.
1317
DRAWN BY:
R.L.M.
CHECKED BY:
D.P.G.
DATE:
12/8/22



5.00
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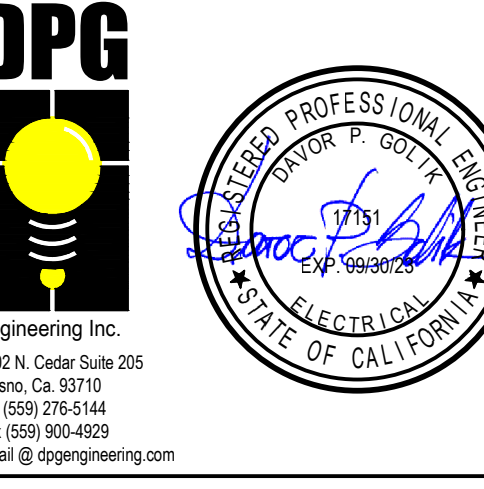
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NRCC REPORT

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.
1317
 DRAWN:
R.L.M.
 CHECKED:
D.P.G.
 DATE:
12/8/22

6.00

OF SHEETS

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)(2) for alterations.

Project Name: ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION Report Page: Page 1 of 4
 Project Address: BAKERSFIELD Date Prepared: 11-1-22

A. GENERAL INFORMATION

01 Project Location (city) BAKERSFIELD 02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/ Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Facilities Other (Write In):

B. PROJECT SCOPE

Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/Description	Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §130.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.
EXISTING	Add/Alt to feeders and branch circuits only		<input type="checkbox"/>	<input type="checkbox"/>	

¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.
² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS

Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

01	02	03	04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)
(See Table F)		(See Table G)		(See Table H)
	AND	Yes	AND	Controlled Receptacles §130.5(d)
				(See Table I)
COMPLIES				

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION Report Page: Page 3 of 4
 Project Address: BAKERSFIELD Date Prepared: 11-1-22

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/nonresidential_documents/NRCC/

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-ELC-01-E - Must be submitted for all buildings.	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION Report Page: Page 2 of 4
 Project Address: BAKERSFIELD Date Prepared: 11-1-22

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This Section Does Not Apply

H. VOLTAGE DROP

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2)Pill.

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
EXISTING	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) ²	In construction documents	E5.00	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

¹ NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
² FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION Report Page: Page 4 of 4
 Project Address: BAKERSFIELD Date Prepared: 11-1-22

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: DAVOR P. GOLIK P.E. Documentation Author Signature: *Davor P. Golik*
 Company: DPG ENGINEERING Signature Date: 11-1-22
 Address: 6702 N CEDAR CEA/HERS Certification Identification (if applicable):
 City/State/Zip: FRESNO CA 93710 Phone: 559 276 5144

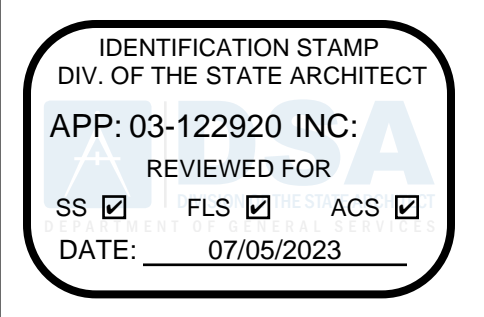
RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DAVOR P. GOLIK P.E. Responsible Designer Signature: *Davor P. Golik*
 Company: Date Signed: 11-1-22
 Address: License: E17151
 City/State/Zip: Phone:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

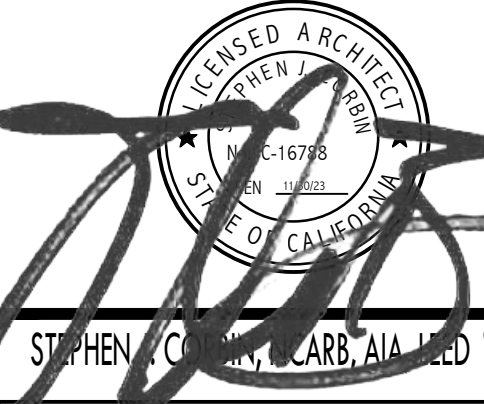


PN: 63321-389 FILE: 15-6

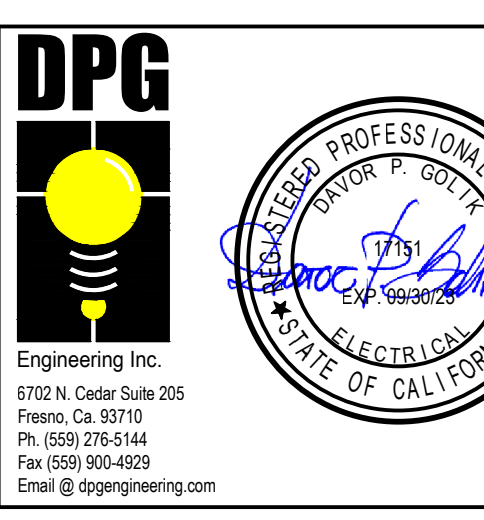
ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION 2324 VERDE STREET FOR BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280 BAKERSFIELD, CA 93309 PH: (661) 397-4377 FAX: (661) 397-4378 WWW.SCARCHITECT.COM



CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.



TITLE 24 REPORT BUILDING 'A'

Table with 3 columns: MARK, DATE, REVISIONS. Includes revision symbols like a triangle with a number.

JOB NO. 1317 DRAWN: R.L.M. CHECKED: D.P.G. DATE: 12/8/22 7.00 OF SHEETS

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for fixture schedule and lighting controls.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for lighting power allowance and additional lighting allowance.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for compliance results and exceptional conditions.

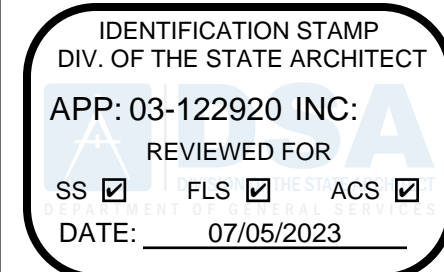
STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for lighting power allowance and additional lighting allowance.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes general information and project scope tables.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes indoor lighting controls table and notes.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes declaration of required certificates of installation and acceptance.

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. BUILDING A ROOSEVELT. Project Name: BUILDING A ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes documentation author's declaration statement and responsible person's declaration statement.

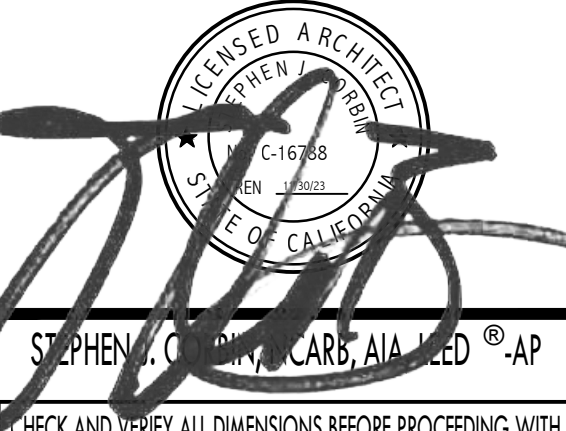


PTN: 63321-389 FILE: 15-6

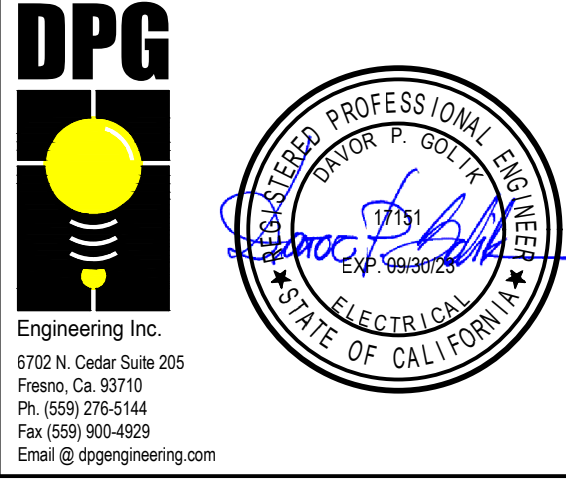
ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION FOR BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD, KERN COUNTY, CALIFORNIA



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TITLE 24 REPORT BUILDING 'B'

Table with 3 columns: MARK, DATE, REVISIONS. Includes revision symbols and dates.

JOB NO. 1317 DRAWN: R.L.M. CHECKED: D.P.G. DATE: 12/8/22 OF SHEETS 7.01

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

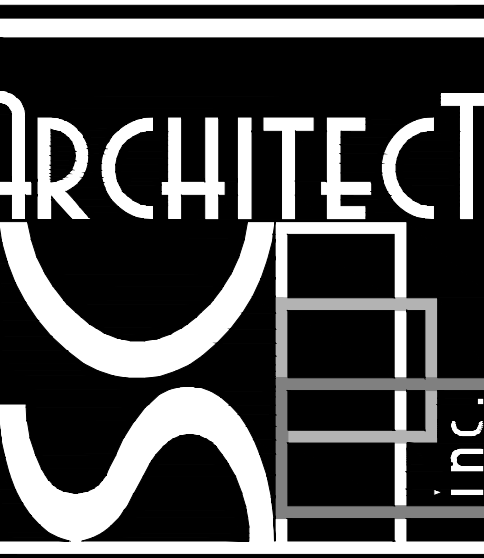
STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE. Project Name: BUILDING B ROOSEVELT. Project Address: 2324 VERDE STREET. Includes tables for compliance results and lighting fixture schedule.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122920 INC:
REVIEWED FOR
SS FLS ACS
DATE: 07/05/2023

PTN: 63321-389 FILE: 15-6

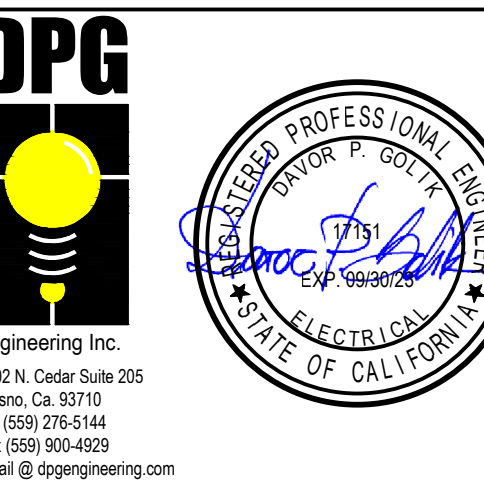
ROOSEVELT ELEMENTARY SCHOOL
MODERNIZATION
2324 VERDE STREET
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA



1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
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FAX: (661) 397-4378
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TITLE 24 REPORT
BUILDING 'C'

MARK	DATE	REVISIONS
△		
△		
△		

JOB NO.
1317
DRAWN:
R.L.M.
CHECKED:
D.P.G.
DATE:
12/8/22
7.02
OF SHEETS

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 3 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 3 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE
*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls		
01	02	03
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector
Not Required <= 10,000 SF		Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Whole Building Other		

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)(1)	Field Inspector
CLASSROOM	Classroom, Lecture, or Training Vocational Area	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
13								Field Inspector
PLAN SHEET SHOWING DAYLIT ZONES:								Pass <input type="checkbox"/> Fail <input type="checkbox"/>
E2.30								

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 4 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 4 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)			Compliance Results	
01	02	03	04	05	06	07	08	09	
Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed (Watts)	Total Designed (Watts)	PAF Lighting Control Credits §140.6(a)2 (-)	Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 §140.6	
(See Table I)	(See Table I)	(See Table J)	(See Table K)	=	(See Table F)	(See Table P)	=	COMPLIES	
Conditioned	3,229.8	0		=	3,230	0	=	2100	
Unconditioned				=			=		

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire?	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector
A	35 WATT LED	No	No	35	CEC Default	60	No	2,100	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Total Designed Watts: CONDITIONED SPACES									2,100

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
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STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 6 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 6 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

I. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Yes	No	Form/Title	Field Inspector	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF)	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 5 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 5 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRC/

Yes	No	Form/Title	Field Inspector	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-LTI-01-E - Must be submitted for all buildings	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 1 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 1 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

A. GENERAL INFORMATION

01	02	03	04	05	06	07	08	09			
Project Location (city)	BAKERSFIELD	Total Conditioned Floor Area (ft ²)	4,614	Total Unconditioned Floor Area (ft ²)	0	Occupancy Types Within Project (select all that apply):	06 # of Stories (Habitable Above Grade)	1			
<input type="checkbox"/> Office	<input type="checkbox"/> Retail	<input type="checkbox"/> Warehouse	<input type="checkbox"/> Hotel/Motel	<input type="checkbox"/> School	<input type="checkbox"/> Support Areas	<input type="checkbox"/> Parking Garage	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Other (Write in)	See Table I

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05	06
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)	
<input checked="" type="checkbox"/> New Lighting System	Area Category Method	4614	Area Category Method	0	
<input type="checkbox"/> New Lighting System - Parking Garage					
Total Area of Work (ft ²)		4614		0	

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 4 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 4 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(d) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(e) or adjustments per §140.6(e) are being used.

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category PAF
CLASSROOM	Classroom, Lecture, or Training Vocational Area	0.7	4,614	3,229.8	No No
TOTALS:			4,614	3,229.8	See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

STATE OF CALIFORNIA
Indoor Lighting
NRCCLTLE CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTLE-E (Page 7 of 7)
Project Name: BUILDING C ROOSEVELT Report Page: (Page 7 of 7)
Project Address: 2324 VERDE STREET Date Prepared: 11/3/2022

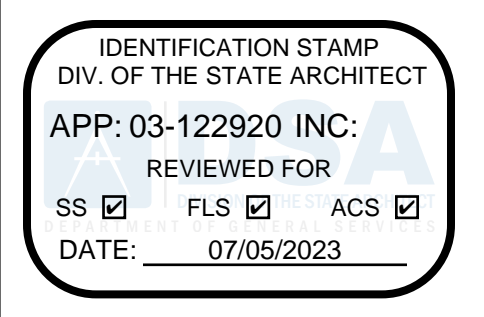
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Davor P. Golik P.E. Company: DPG Engineering, Inc. Address: 6702 N Cedar #205 City/State/Zip: Fresno CA 93710	Documentation Author Signature: <i>Davor P. Golik</i> Signature Date: 2022-11-03 CEA/HERS Certification Identification (if applicable): E17151 Phone: 559 275 5144
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RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DAVOR P. GOLIK P.E. Company: DPG ENGINEERING Address: 6702 N CEDAR #205 City/State/Zip: FRESNO CA 93710	Responsible Designer Signature: <i>Davor P. Golik</i> Date Signed: 2022-11-03 License: E17151 Phone: 559 275 5144
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Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601
Registration Provider: Energysoft
Report Generated: 2022-11-03 08:52:15

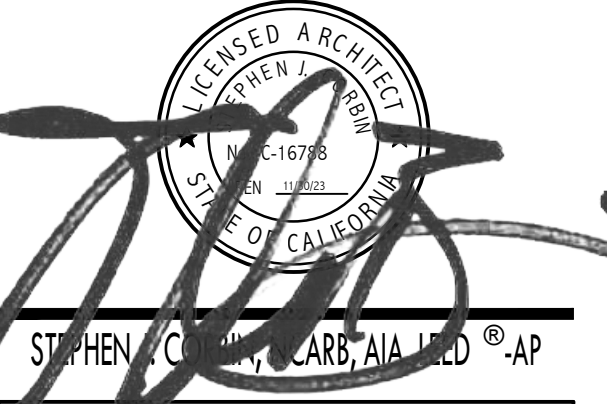


PTN: 63321-389 FILE: 15-6

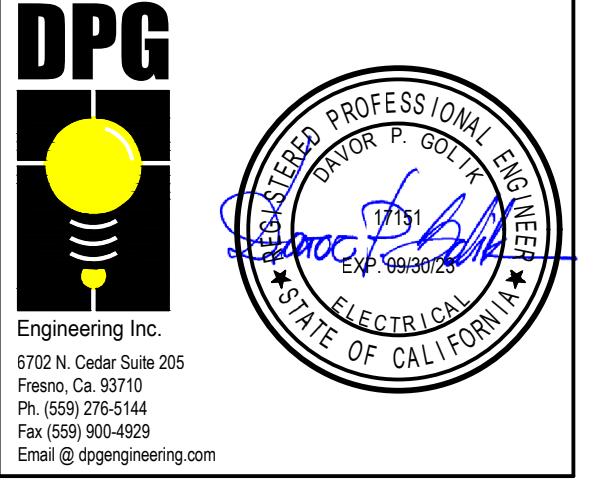
ROOSEVELT ELEMENTARY SCHOOL MODERNIZATION 2324 VERDE STREET FOR BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD, KERN COUNTY, CALIFORNIA



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TITLE 24 REPORT BUILDING 'D'

Table with 3 columns: MARK, DATE, REVISIONS. Contains three revision entries.

JOB NO. 1317 DRAWN: R.L.M. CHECKED: D.P.G. DATE: 12/8/22 7.03 OF SHEETS

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section F: INDOOR LIGHTING FIXTURE SCHEDULE. Section G: MODULAR LIGHTING SYSTEMS. Section H: INDOOR LIGHTING CONTROLS (Not including PAFs). Section I: AREA LEVEL CONTROLS. Section J: AREA LEVEL CONTROLS. Section K: AREA LEVEL CONTROLS. Section L: AREA LEVEL CONTROLS. Section M: AREA LEVEL CONTROLS. Section N: AREA LEVEL CONTROLS. Section O: AREA LEVEL CONTROLS. Section P: AREA LEVEL CONTROLS. Section Q: AREA LEVEL CONTROLS. Section R: AREA LEVEL CONTROLS. Section S: AREA LEVEL CONTROLS. Section T: AREA LEVEL CONTROLS. Section U: DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section C: COMPLIANCE RESULTS. Section D: EXCEPTIONAL CONDITIONS. Section E: ADDITIONAL REMARKS. Section F: INDOOR LIGHTING FIXTURE SCHEDULE. Section G: RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS. Section H: 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS. Section I: DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF). Section J: DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION.

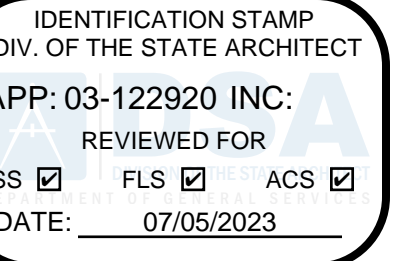
STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section A: GENERAL INFORMATION. Section B: PROJECT SCOPE. Section C: COMPLIANCE RESULTS. Section D: EXCEPTIONAL CONDITIONS. Section E: ADDITIONAL REMARKS. Section F: INDOOR LIGHTING FIXTURE SCHEDULE.

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section F: INDOOR LIGHTING FIXTURE SCHEDULE. Section G: RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS. Section H: 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS. Section I: DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF). Section J: DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION.

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section C: COMPLIANCE RESULTS. Section D: EXCEPTIONAL CONDITIONS. Section E: ADDITIONAL REMARKS. Section F: INDOOR LIGHTING FIXTURE SCHEDULE. Section G: RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS. Section H: 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS. Section I: DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF). Section J: DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION.

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section A: GENERAL INFORMATION. Section B: PROJECT SCOPE. Section C: COMPLIANCE RESULTS. Section D: EXCEPTIONAL CONDITIONS. Section E: ADDITIONAL REMARKS. Section F: INDOOR LIGHTING FIXTURE SCHEDULE. Section G: RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS. Section H: 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS. Section I: DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF). Section J: DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION.

STATE OF CALIFORNIA Indoor Lighting NRCCLTI-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING D ROOSEVELT. Project Address: 2324 VERDE STREET. Section K: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT. Section L: RESPONSIBLE PERSON'S DECLARATION STATEMENT.



PTN: 63321-389 FILE: 15-6

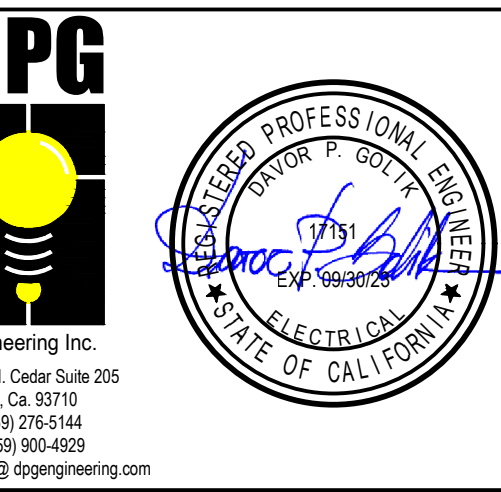
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TITLE 24 REPORT BUILDING 'E'

Table with 3 columns: MARK, DATE, REVISIONS. Contains revision symbols and dates.

JOB NO. 1317 DRAWN: R.L.M. CHECKED: D.P.G. DATE: 12/8/22 7.04 OF SHEETS

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for F. INDOOR LIGHTING FIXTURE SCHEDULE and G. MODULAR LIGHTING SYSTEMS.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for H. INDOOR LIGHTING CONTROLS and J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE and L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for C. COMPLIANCE RESULTS and D. EXCEPTIONAL CONDITIONS.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for E. ADDITIONAL REMARKS and F. INDOOR LIGHTING FIXTURE SCHEDULE.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for G. MODULAR LIGHTING SYSTEMS and H. INDOOR LIGHTING CONTROLS.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for A. GENERAL INFORMATION and B. PROJECT SCOPE.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes tables for I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS and J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM.

STATE OF CALIFORNIA Indoor Lighting NRC-C-171-E CALIFORNIA ENERGY COMMISSION. CERTIFICATE OF COMPLIANCE. Project Name: BUILDING E ROOSEVELT. Project Address: 2324 VERDE STREET. Date Prepared: 11/3/2022. Includes sections for DOCUMENTATION AUTHOR'S DECLARATION STATEMENT and RESPONSIBLE PERSON'S DECLARATION STATEMENT.